

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000002.D
 Acq On : 11 Sep 2019 16:31
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:26 PM

Quant Time: Sep 12 09:02:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 08:42:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	149211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	281769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	235133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	100524	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	7271	4.41	ug/l	0.00
Spiked Amount			Recovery	=	8.82%	
35) Dibromofluoromethane	7.71	113	7652	4.61	ug/l	0.00
Spiked Amount			Recovery	=	9.22%	
50) Toluene-d8	10.18	98	31580	4.79	ug/l	0.00
Spiked Amount			Recovery	=	9.58%	
62) 4-Bromofluorobenzene	12.48	95	10816	4.56	ug/l	0.00
Spiked Amount			Recovery	=	9.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	7296	8.684	ug/l	97
3) Chloromethane	2.11	50	18371	17.330	ug/l	95
4) Vinyl Chloride	2.25	62	10665	8.380	ug/l	99
5) Bromomethane	2.63	94	6200	8.900	ug/l	95
6) Chloroethane	2.78	64	6819	8.827	ug/l	94
7) Trichlorofluoromethane	3.12	101	12840	12.585	ug/l	99
8) Diethyl Ether	3.53	74	4618	6.471	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.89	101	7726	5.911	ug/l #	93
10) Methyl Iodide	4.09	142	7899	4.833	ug/l #	93
11) Tert butyl alcohol	4.96	59	4814	35.739	ug/l	99
12) 1,1-Dichloroethene	3.87	96	8428	6.793	ug/l #	75
13) Acrolein	3.73	56	4896	36.617	ug/l	90
14) Allyl chloride	4.46	41	11198	4.576	ug/l	93
15) Acrylonitrile	5.18	53	15032	35.589	ug/l #	92
16) Acetone	3.96	43	12489	28.428	ug/l	99
17) Carbon Disulfide	4.18	76	20566	7.895	ug/l	98
18) Methyl Acetate	4.49	43	9053	8.409	ug/l #	89
19) Methyl tert-butyl Ether	5.22	73	20431	7.751	ug/l #	89
20) Methylene Chloride	4.71	84	11074	7.662	ug/l #	91
21) trans-1,2-Dichloroethene	5.21	96	8311	6.536	ug/l	86
22) Diisopropyl ether	6.12	45	24525	5.027	ug/l #	95
23) Vinyl Acetate	6.06	43	82024	26.302	ug/l #	92
24) 1,1-Dichloroethane	6.02	63	14913	5.590	ug/l	96
25) 2-Butanone	7.00	43	18129	30.178	ug/l	89
26) 2,2-Dichloropropane	6.98	77	13182	7.399	ug/l	99
27) cis-1,2-Dichloroethene	6.98	96	9737	6.487	ug/l	89
28) Bromochloromethane	7.33	49	6890	5.543	ug/l #	94
29) Tetrahydrofuran	7.36	42	11614	31.467	ug/l	94
30) Chloroform	7.50	83	14997	5.604	ug/l	97
31) Cyclohexane	7.78	56	16906	7.054	ug/l #	87
32) 1,1,1-Trichloroethane	7.70	97	12003	5.535	ug/l	95
36) 1,1-Dichloropropene	7.92	75	11755	4.926	ug/l	97
37) Ethyl Acetate	7.07	43	8492m	5.528	ug/l	
38) Carbon Tetrachloride	7.89	117	11082	4.729	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	14392	5.273	ug/l	90
40) Benzene	8.16	78	34125	5.024	ug/l	97
41) Methacrylonitrile	7.31	41	4496m	4.995	ug/l	
42) 1,2-Dichloroethane	8.23	62	9190	4.017	ug/l	99
43) Isopropyl Acetate	8.28	43	13504	4.649	ug/l #	91
44) Trichloroethene	8.94	130	9492	5.411	ug/l	98
45) 1,2-Dichloropropane	9.21	63	8591	4.595	ug/l	92
46) Dibromomethane	9.31	93	5295	5.885	ug/l	87
47) Bromodichloromethane	9.49	83	10992	4.531	ug/l #	89
48) Methyl methacrylate	9.30	41	5975	4.313	ug/l	92
49) 1,4-Dioxane	9.29	88	1711	93.831	ug/l #	64
51) 4-Methyl-2-Pentanone	10.07	43	36572	23.767	ug/l	96
52) Toluene	10.24	92	21653	5.098	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	11609	4.627	ug/l	90
54) cis-1,3-Dichloropropene	9.93	75	13780	4.843	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	7092	5.223	ug/l	93
56) Ethyl methacrylate	10.51	69	10531	5.317	ug/l	96
57) 1,3-Dichloropropane	10.79	76	12535	5.067	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	28378	26.773	ug/l	99
59) 2-Hexanone	10.83	43	27176	24.176	ug/l	95
60) Dibromochloromethane	10.98	129	7727	4.918	ug/l	99
61) 1,2-Dibromoethane	11.09	107	6699	5.364	ug/l	93
64) Tetrachloroethene	10.71	164	7880	5.622	ug/l	92
65) Chlorobenzene	11.51	112	22916	5.225	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	7114	4.445	ug/l	93
67) Ethyl Benzene	11.59	91	42514	5.215	ug/l	100
68) m/p-Xylenes	11.70	106	32682	10.940	ug/l	99
69) o-Xylene	12.02	106	15173	5.391	ug/l	97
70) Styrene	12.04	104	26166	5.287	ug/l	96
71) Bromoform	12.20	173	4494	4.978	ug/l #	98
73) Isopropylbenzene	12.33	105	39744	5.551	ug/l	98
74) N-amyl acetate	12.14	43	10871	4.882	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	9647	6.494	ug/l	94
76) 1,2,3-Trichloropropane	12.63	75	5494m	5.175	ug/l	
77) Bromobenzene	12.60	156	8622	5.348	ug/l	96
78) n-propylbenzene	12.66	91	48097	5.583	ug/l	98
79) 2-Chlorotoluene	12.75	91	25479	5.182	ug/l	96
80) 1,3,5-Trimethylbenzene	12.80	105	32311	5.365	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	3841	7.507	ug/l	99
82) 4-Chlorotoluene	12.85	91	26842	5.161	ug/l	99
83) tert-Butylbenzene	13.07	119	26568	5.016	ug/l	94
84) 1,2,4-Trimethylbenzene	13.12	105	31589	5.187	ug/l	99
85) sec-Butylbenzene	13.25	105	42097	5.665	ug/l	98
86) p-Isopropyltoluene	13.36	119	34150	5.098	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	15910	4.993	ug/l	94
88) 1,4-Dichlorobenzene	13.44	146	16121	5.094	ug/l	92
89) n-Butylbenzene	13.69	91	34024	5.182	ug/l	98
90) Hexachloroethane	13.95	117	7418	6.198	ug/l	96
91) 1,2-Dichlorobenzene	13.73	146	15507	5.391	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2007	7.329	ug/l	93

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VSTDICC005

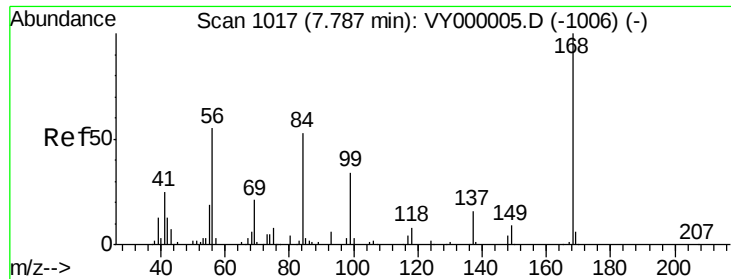
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	9600	4.946	ug/l	94
94) Hexachlorobutadiene	15.10	225	4484	3.481	ug/l	95
95) Naphthalene	15.23	128	25306	6.538	ug/l	96
96) 1,2,3-Trichlorobenzene	15.41	180	7779	4.504	ug/l	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 149211

Ion Ratio Lower Upper

168 100

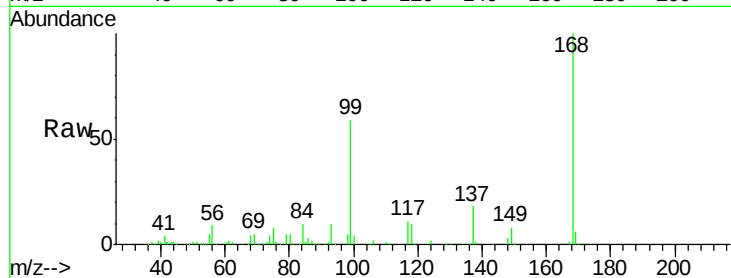
99 58.8 44.2 66.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

60000

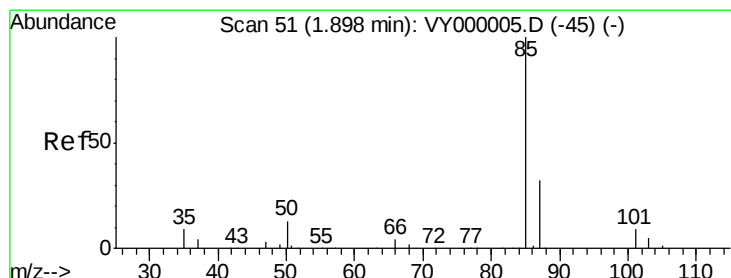
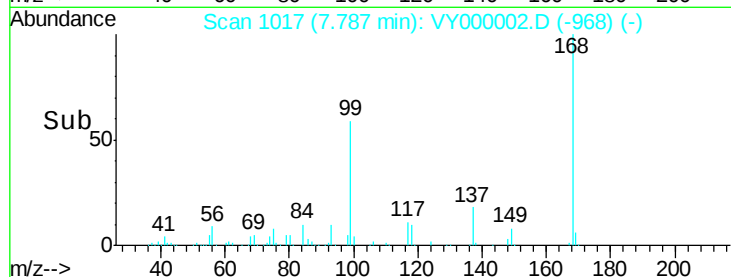
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 8.684 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000002.D

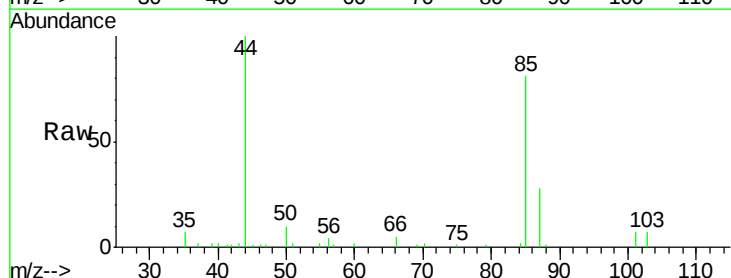
Acq: 11 Sep 2019 16:31

Tgt Ion: 85 Resp: 7296

Ion Ratio Lower Upper

85 100

87 34.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

5000

4000

3000

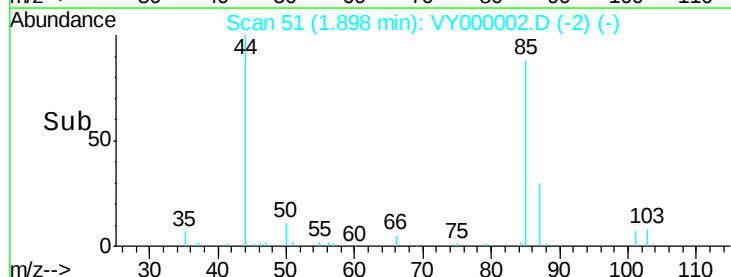
2000

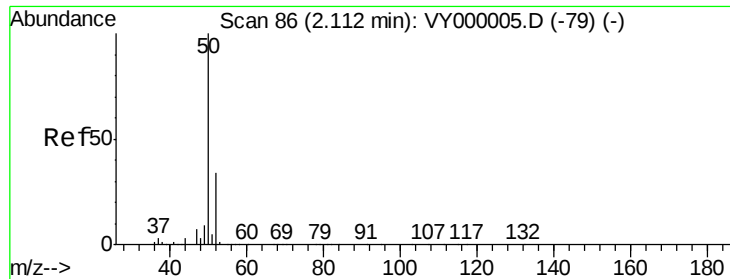
1000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 17.330 ug/l

RT: 2.11 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 18371

Ion Ratio Lower Upper

50 100

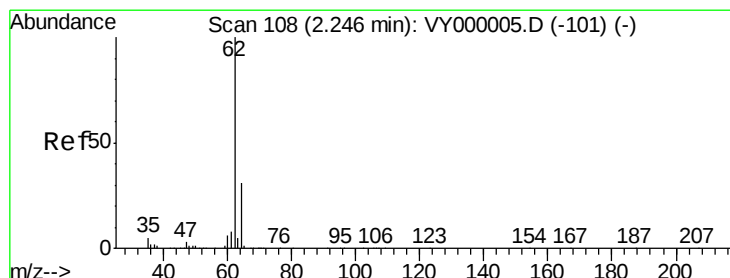
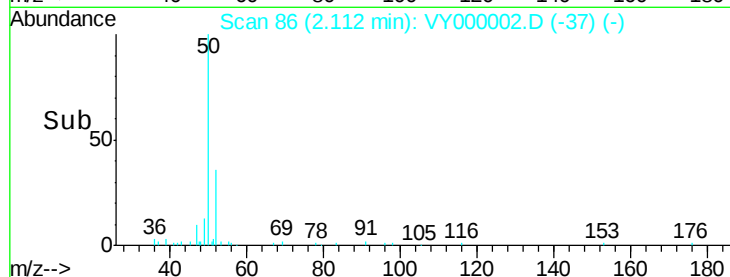
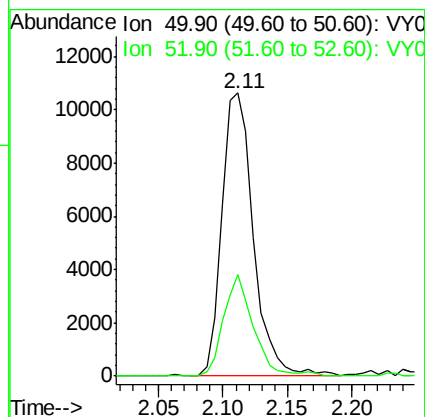
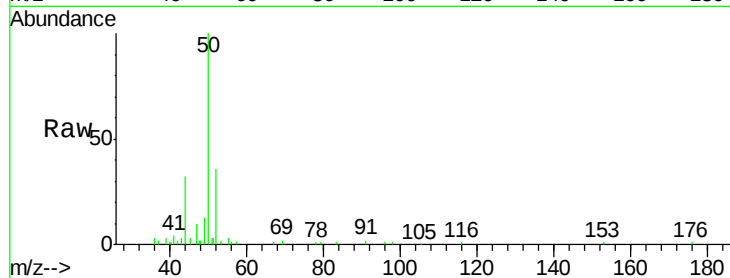
52 36.1 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 8.380 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000002.D

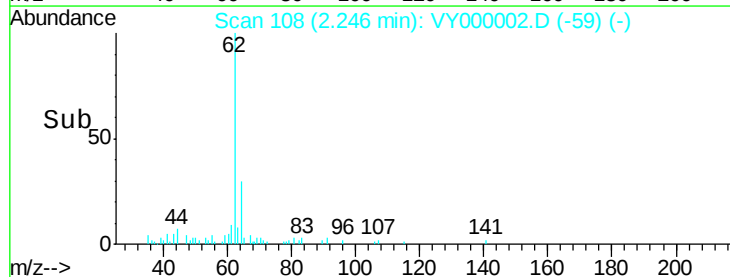
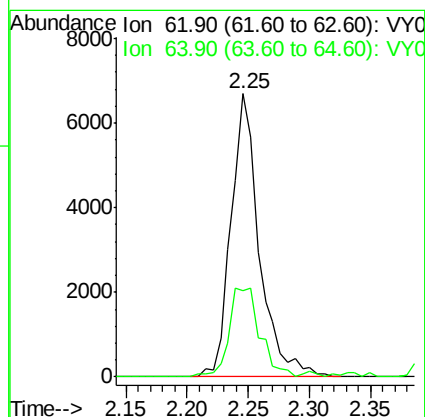
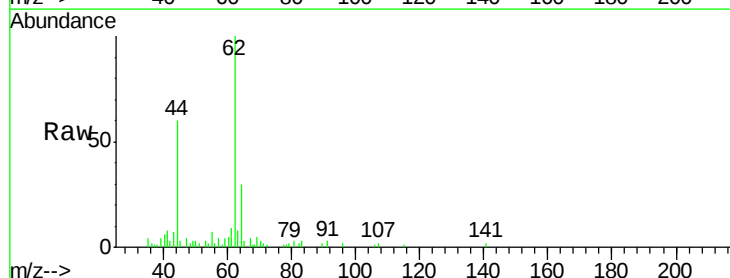
Acq: 11 Sep 2019 16:31

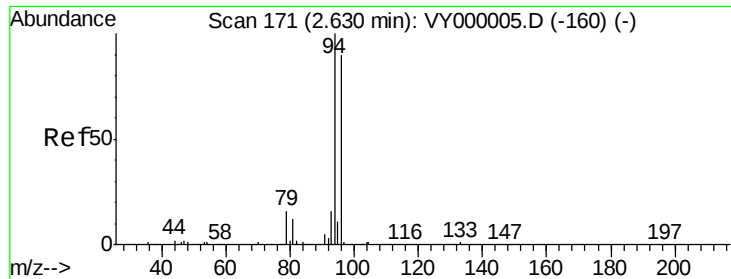
Tgt Ion: 62 Resp: 10665

Ion Ratio Lower Upper

62 100

64 30.3 24.6 37.0





#5

Bromomethane

Concen: 8.900 ug/l

RT: 2.63 min Scan# 171

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6200

Ion Ratio Lower Upper

94 100

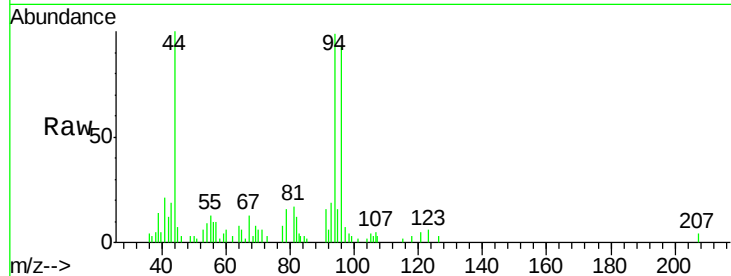
96 94.4 71.6 107.4

Manual Integrations

APPROVED

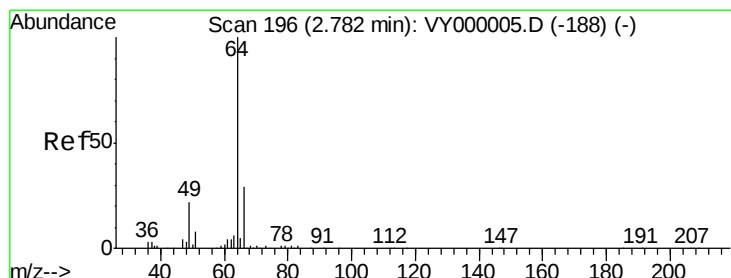
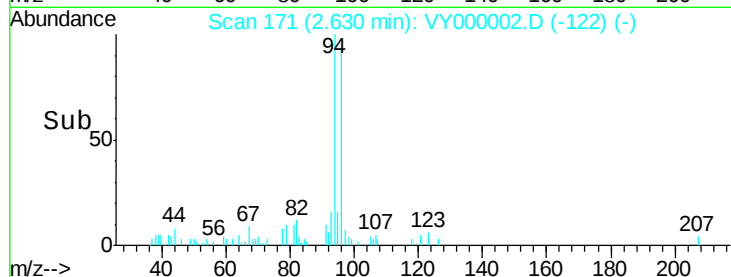
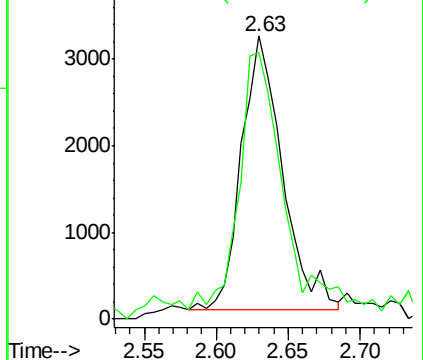
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 8.827 ug/l

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VY000002.D

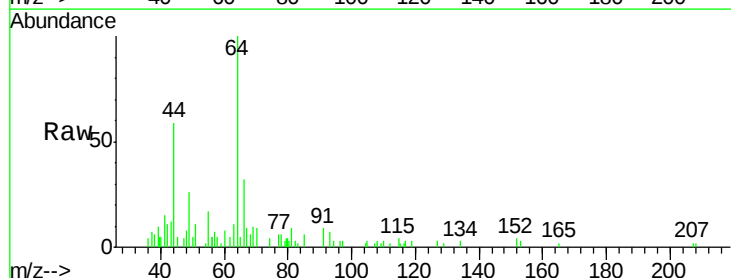
Acq: 11 Sep 2019 16:31

Tgt Ion: 64 Resp: 6819

Ion Ratio Lower Upper

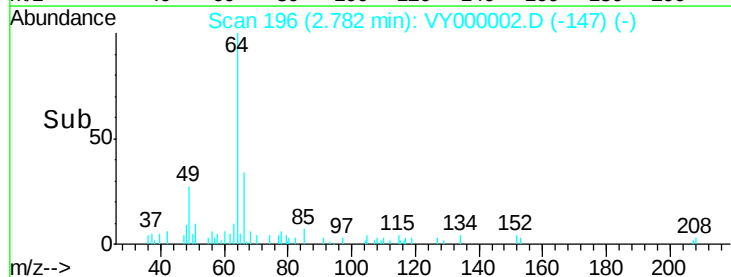
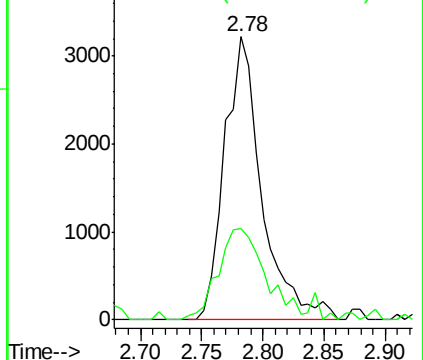
64 100

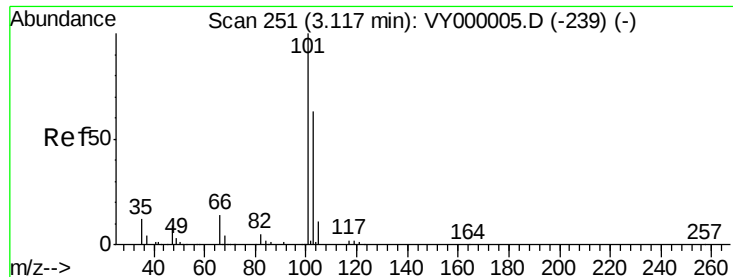
66 32.4 23.5 35.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

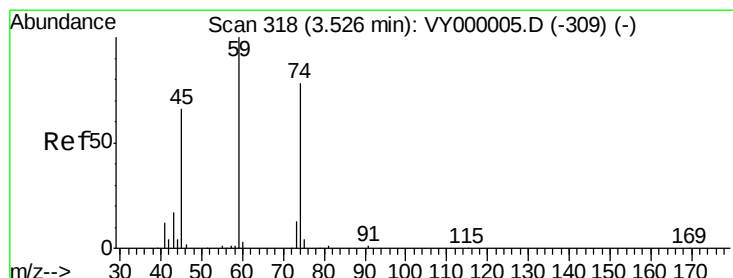
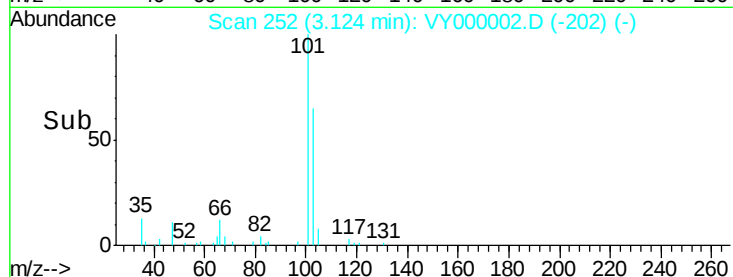
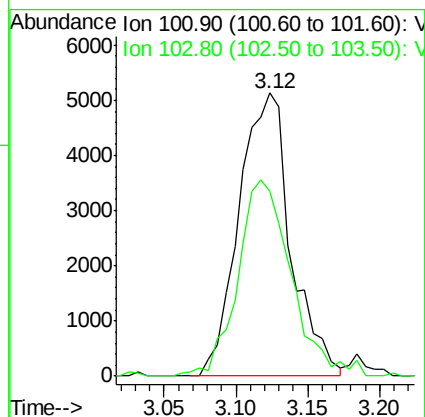
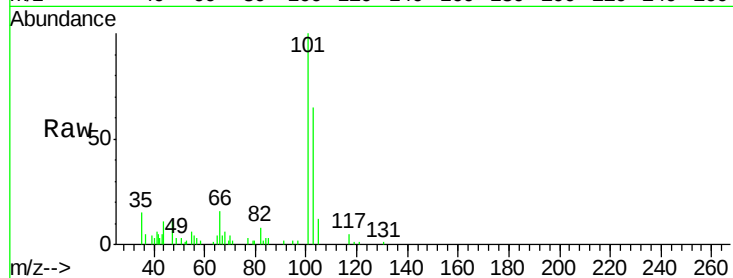
Trichlorofluoromethane
 Concen: 12.585 ug/l
 RT: 3.12 min Scan# 252
 Delta R.T. 0.01 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.0	75.0

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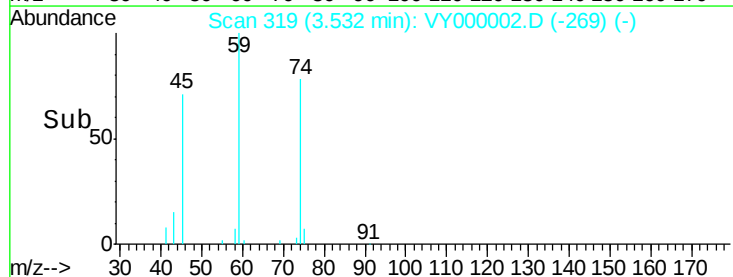
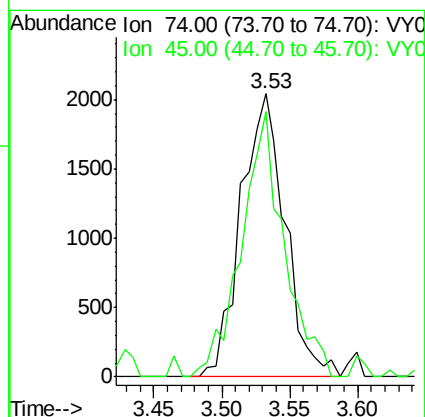
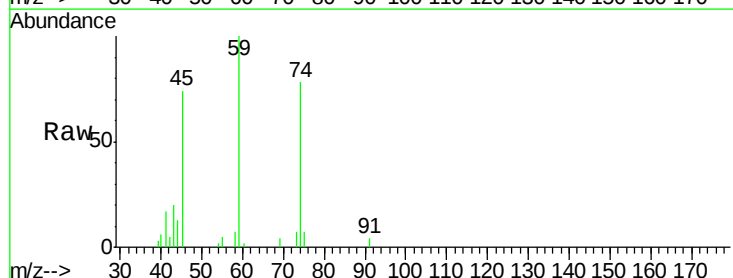
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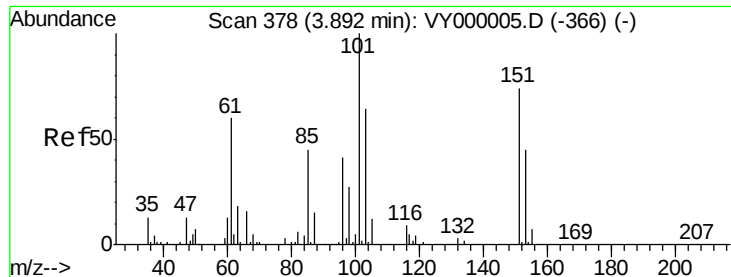


#8

Diethyl Ether
 Concen: 6.471 ug/l
 RT: 3.53 min Scan# 319
 Delta R.T. 0.01 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.9	40.5	121.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.911 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

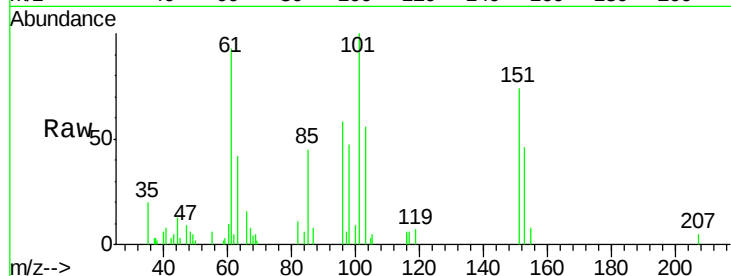
ClientSampleId :

VSTDIC005

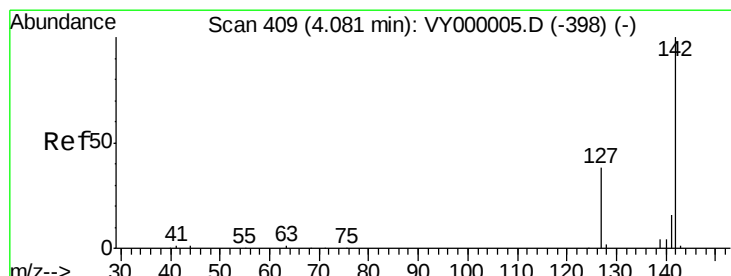
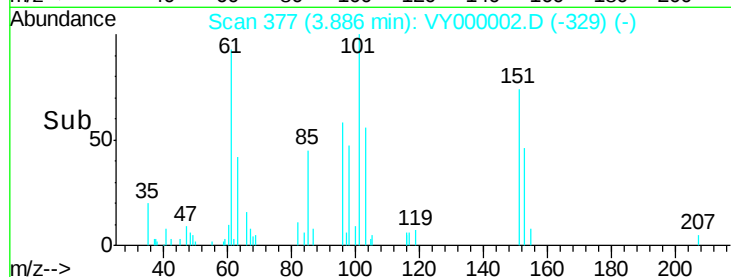
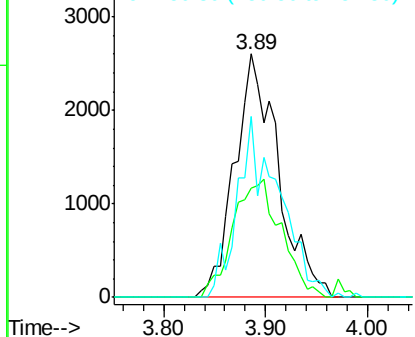
Tot Ion:	101	Resp:	7726
Ion Ratio	Lower	Upper	
101	100		
85	53.4	34.0	51.0#
151	71.1	57.3	85.9

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.833 ug/l

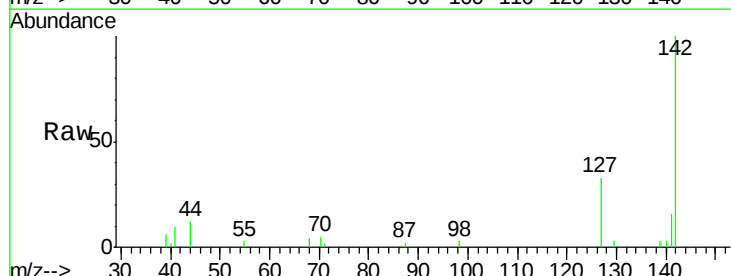
RT: 4.09 min Scan# 410

Delta R.T. 0.01 min

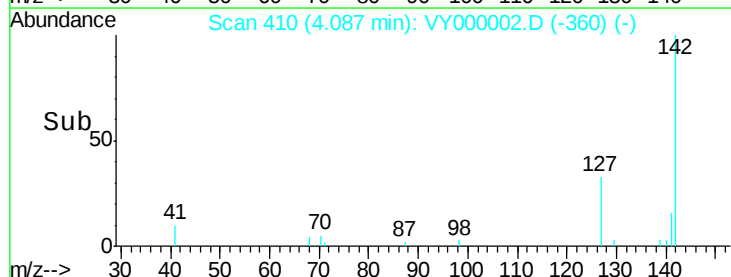
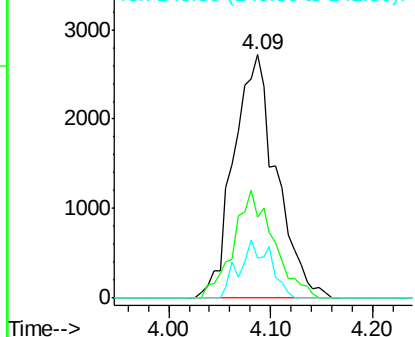
Lab File: VY000002.D

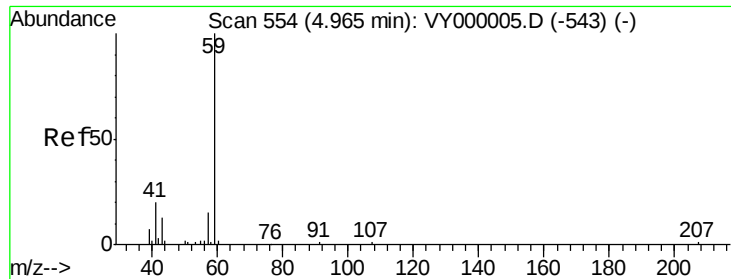
Acq: 11 Sep 2019 16:31

Tgt Ion:	142	Resp:	7899
Ion Ratio	Lower	Upper	
142	100		
127	41.6	30.0	45.0
141	17.4	11.0	16.4#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

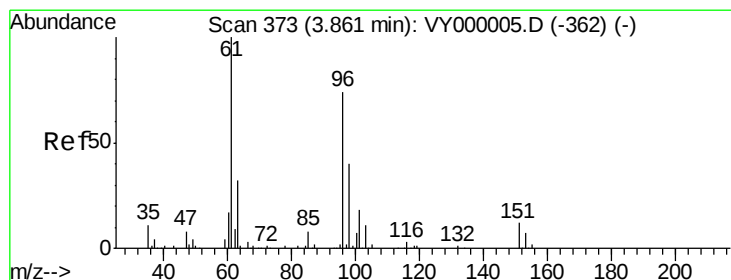
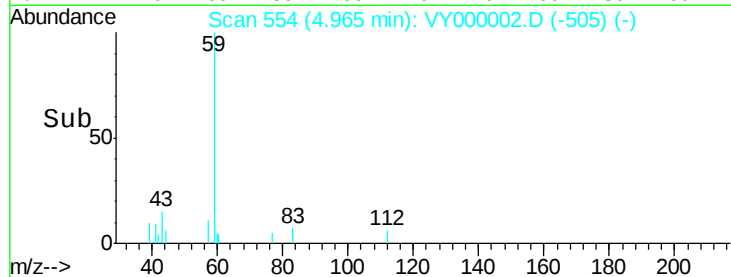
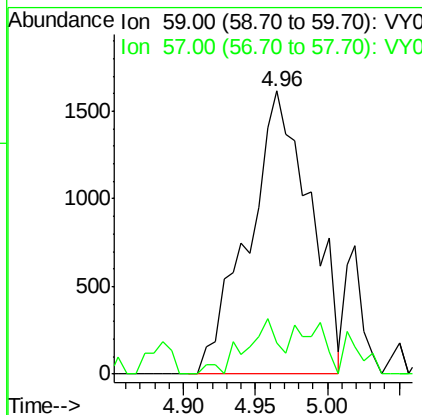
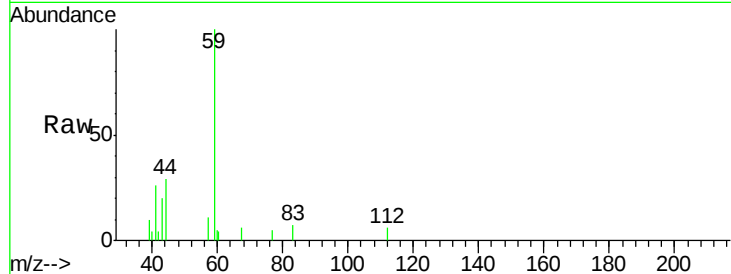
Tert butyl alcohol
Concen: 35.739 ug/l
RT: 4.96 min Scan# 554
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	59	Resp	4814
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.9	13.3

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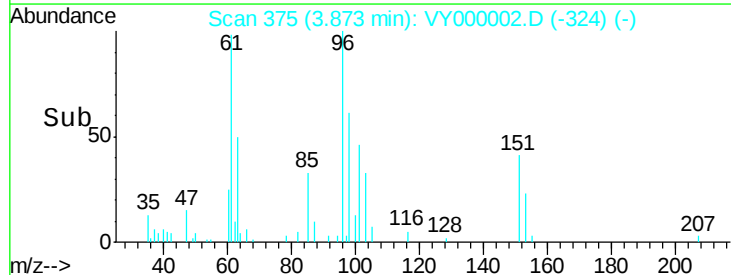
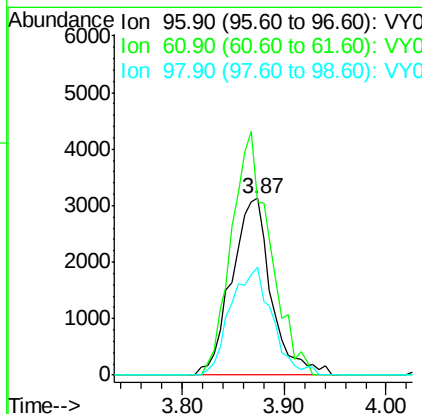
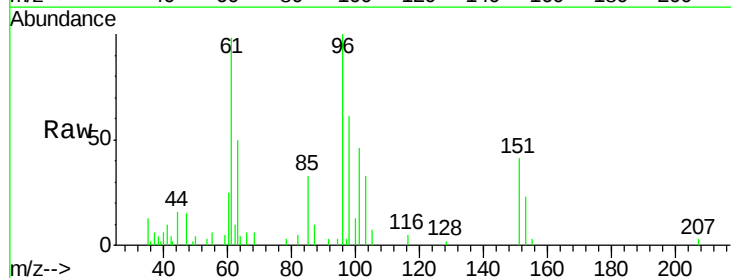
MMDadoda
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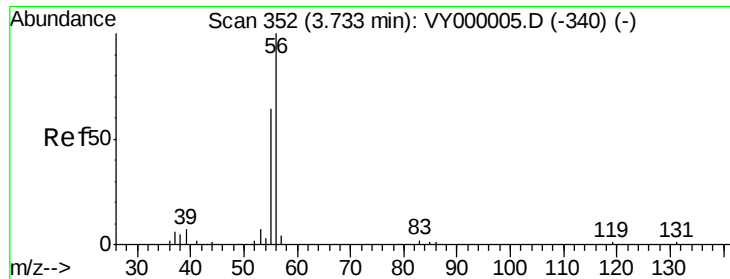


#12

1,1-Dichloroethene
Concen: 6.793 ug/l
RT: 3.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	96	Resp	8428
Ion	Ratio	Lower	Upper
96	100		
61	98.4	108.1	162.1#
98	61.4	42.8	64.2





#13

Acrolein

Concen: 36.617 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4896

Ion Ratio Lower Upper

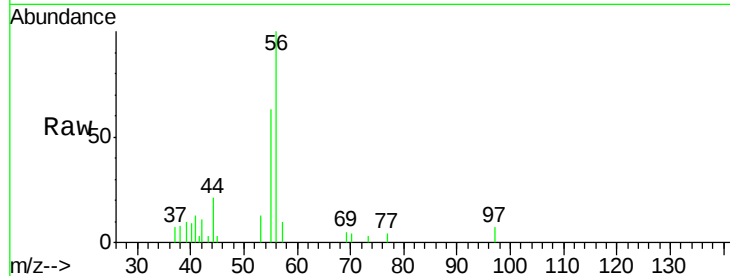
56 100

55 74.8 53.3 79.9

Manual Integrations
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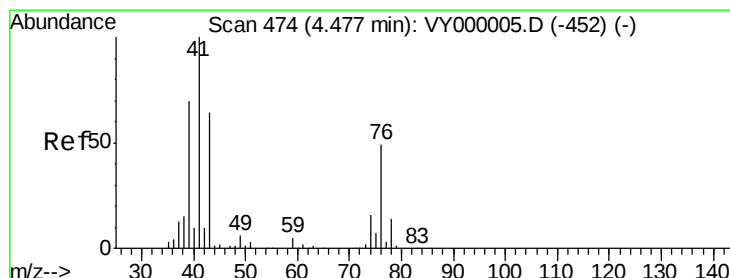
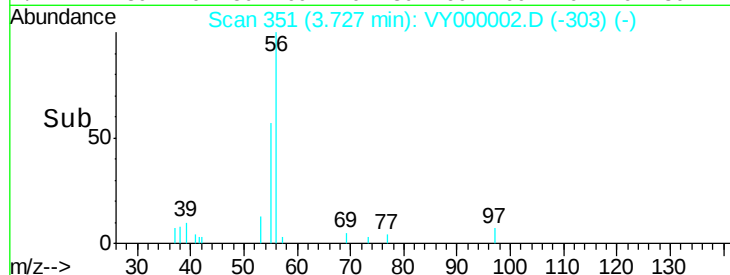
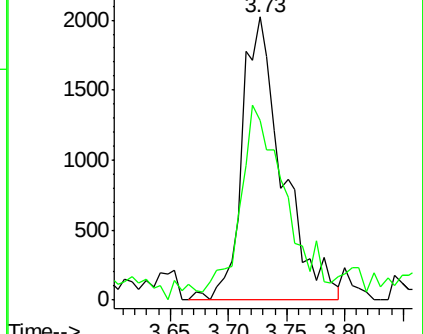
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 4.576 ug/l

RT: 4.46 min Scan# 472

Delta R.T. -0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

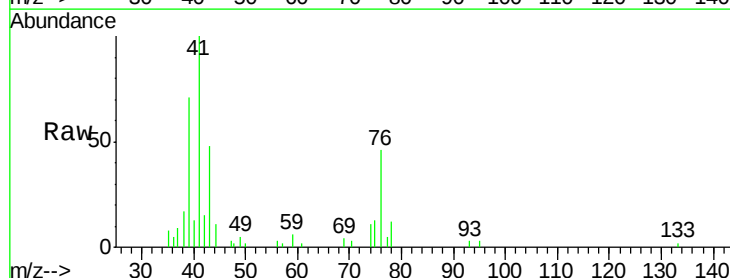
Tgt Ion: 41 Resp: 11198

Ion Ratio Lower Upper

41 100

39 71.6 52.4 78.6

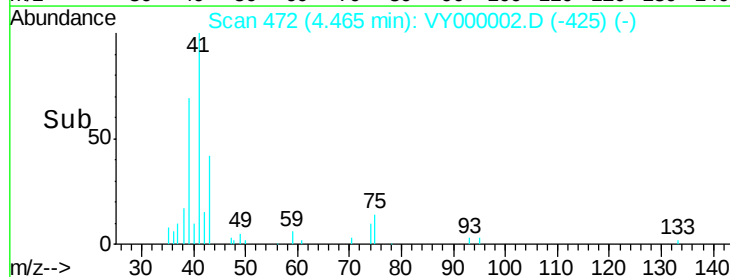
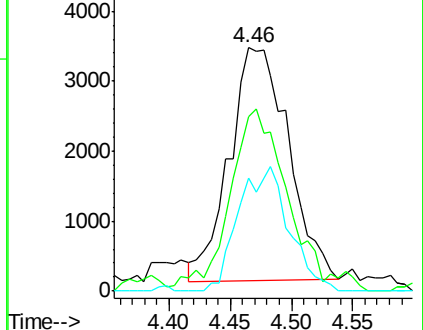
76 45.9 33.3 49.9

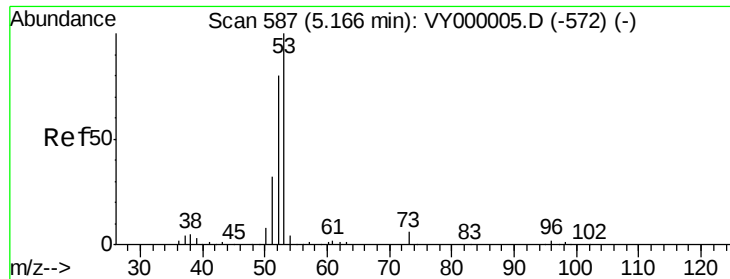


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 35.589 ug/l

RT: 5.18 min Scan# 589

Delta R.T. 0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

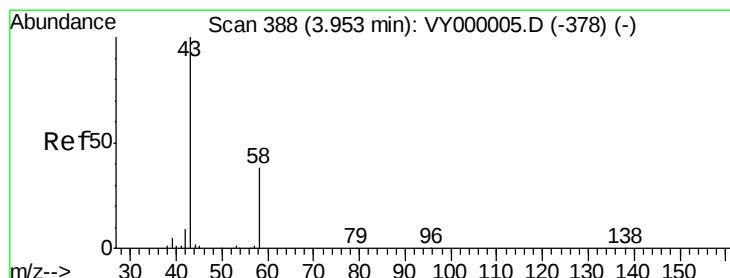
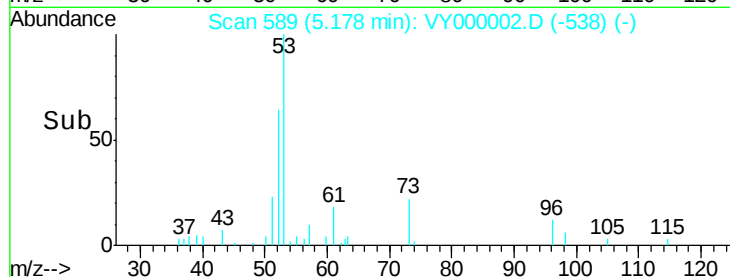
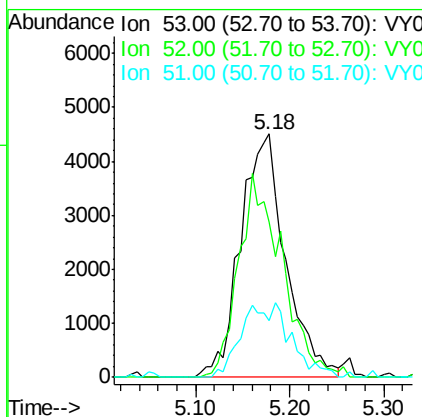
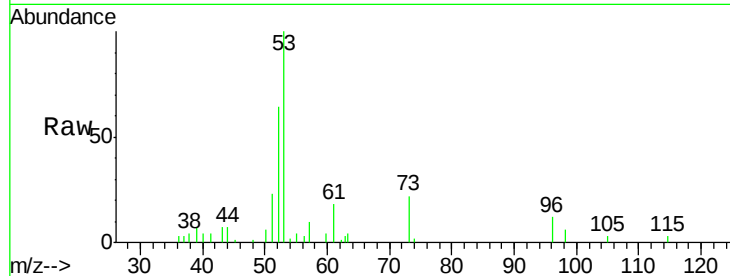
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	15032
Ion Ratio	Lower	Upper	
53	100		
52	81.2	64.4	96.6
51	19.2	27.1	40.7#

Manual Integrations
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#16

Acetone

Concen: 28.428 ug/l

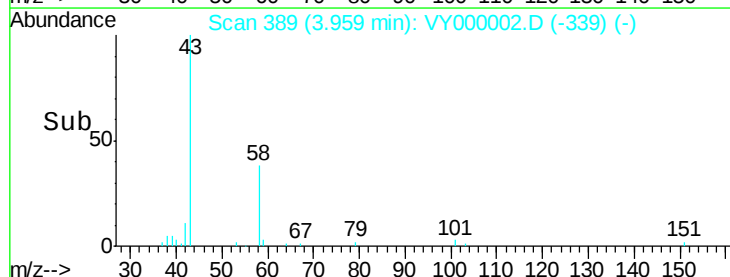
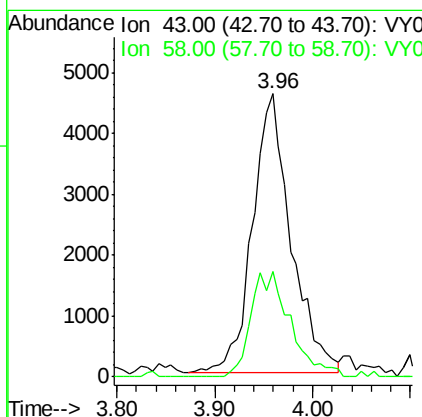
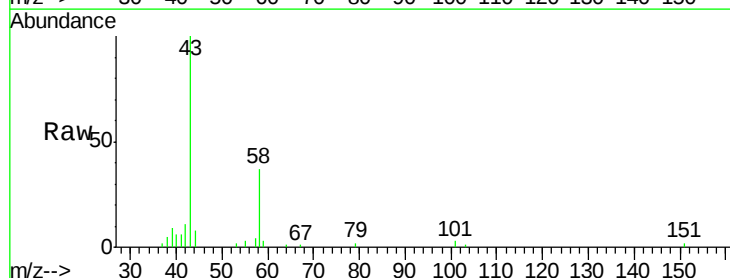
RT: 3.96 min Scan# 389

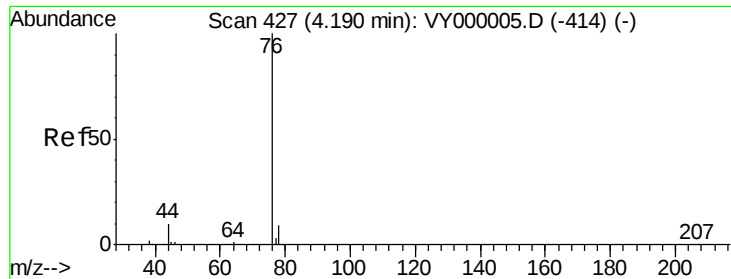
Delta R.T. 0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Tgt Ion:	43	Resp:	12489
Ion Ratio	Lower	Upper	
43	100		
58	37.7	30.5	45.7





#17

Carbon Disulfide

Concen: 7.895 ug/l

RT: 4.18 min Scan# 426

Delta R.T. -0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 20566

Ion Ratio Lower Upper

76 100

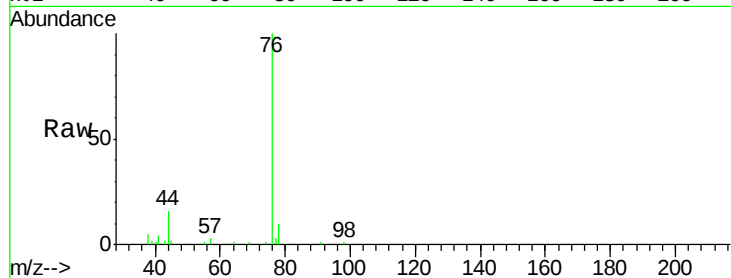
78 9.6 7.2 10.8

Manual Integrations

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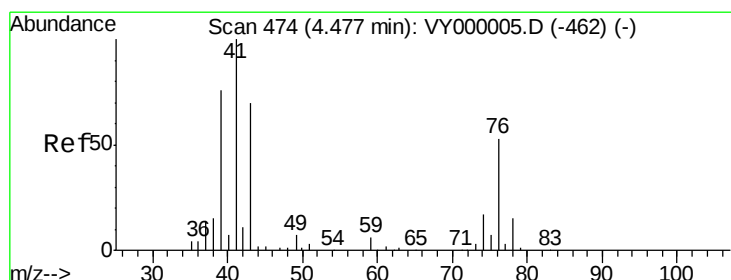
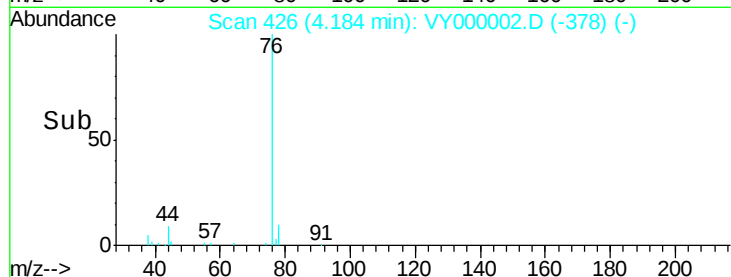
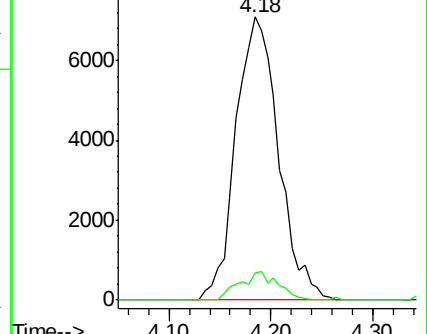
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 8.409 ug/l

RT: 4.49 min Scan# 476

Delta R.T. 0.01 min

Lab File: VY000002.D

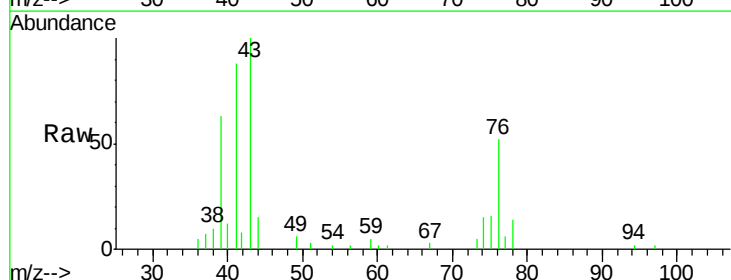
Acq: 11 Sep 2019 16:31

Tgt Ion: 43 Resp: 9053

Ion Ratio Lower Upper

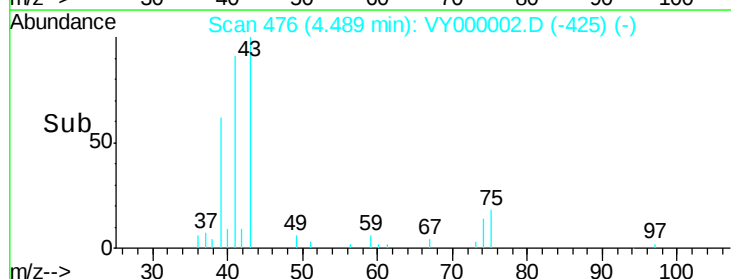
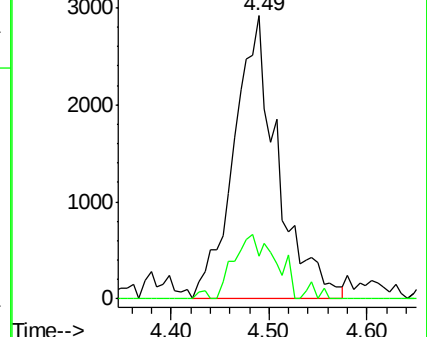
43 100

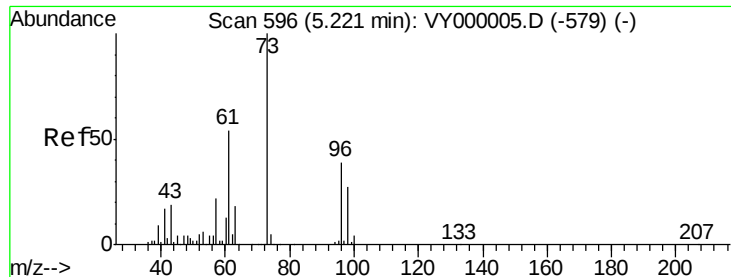
74 21.3 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





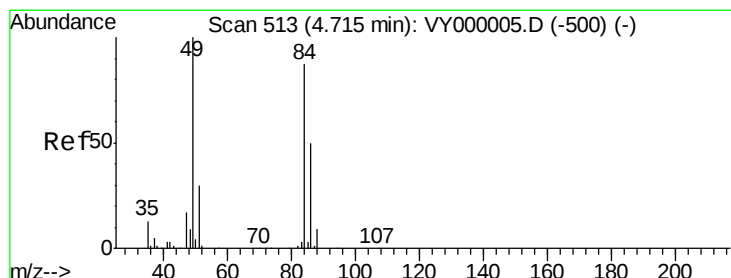
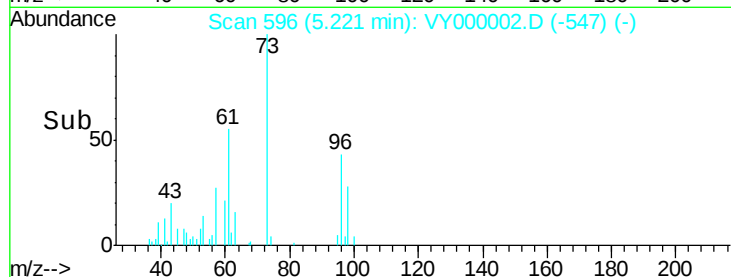
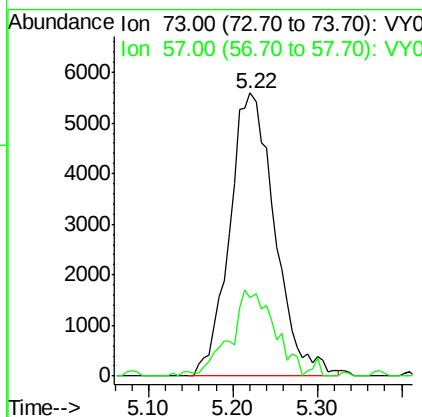
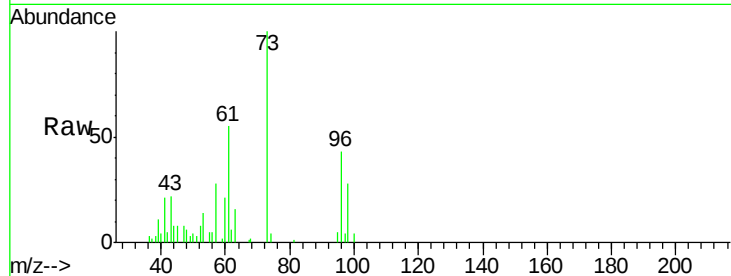
#19
Methvl tert-butvl Ether
Concen: 7.751 ug/l
RT: 5.22 min Scan# 596
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 20431
Ion Ratio Lower Upper
73 100
57 27.9 18.2 27.4#

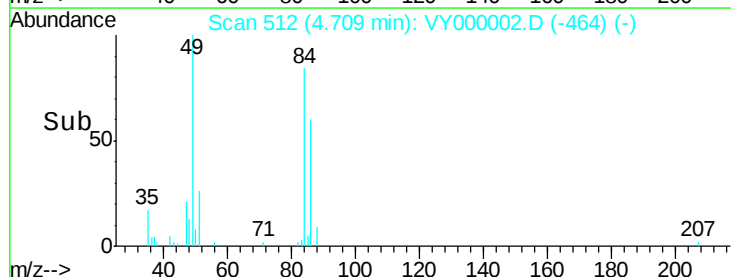
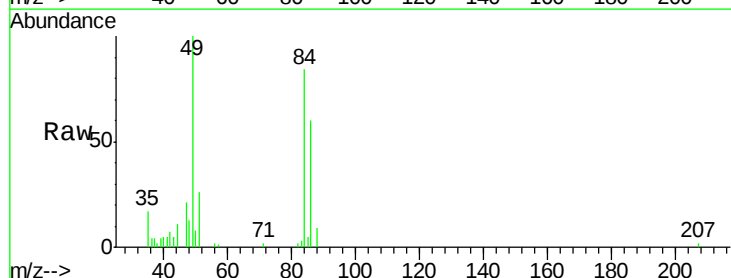
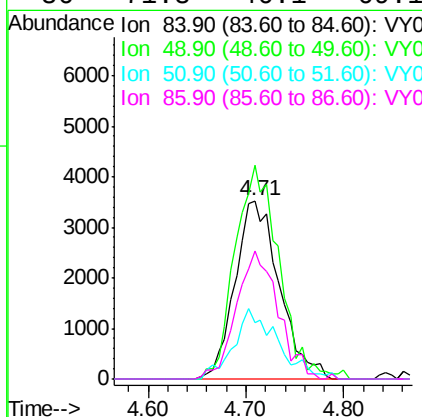
Manual Integrations
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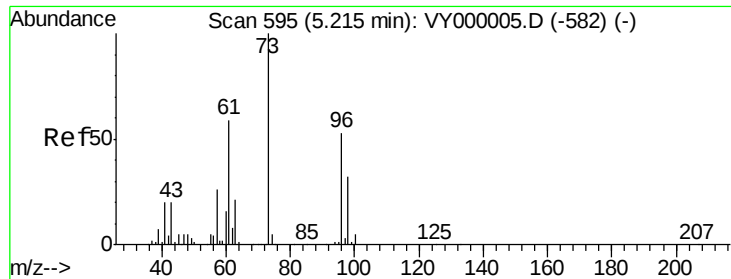
MMDadoda
9/13/2019 11:51:26 PM



#20
Methylene Chloride
Concen: 7.662 ug/l
RT: 4.71 min Scan# 512
Delta R.T. -0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion: 84 Resp: 11074
Ion Ratio Lower Upper
84 100
49 119.6 91.7 137.5
51 31.4 28.0 42.0
86 71.8 46.1 69.1#





#21

trans-1,2-Dichloroethene

Concen: 6.536 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

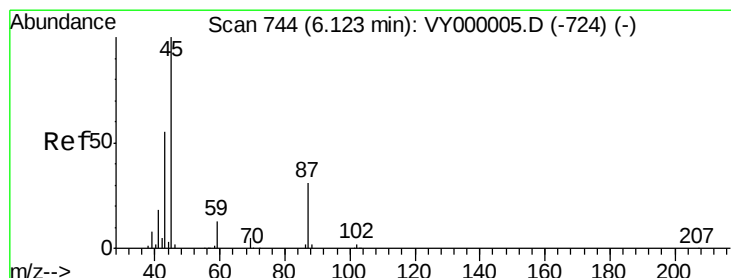
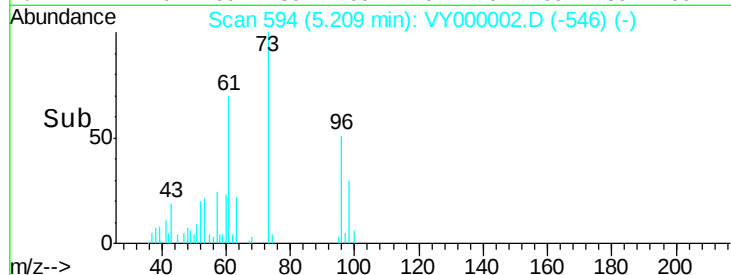
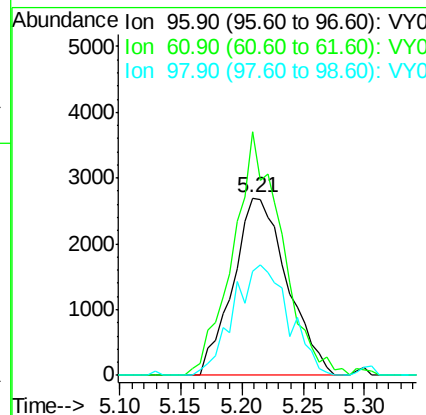
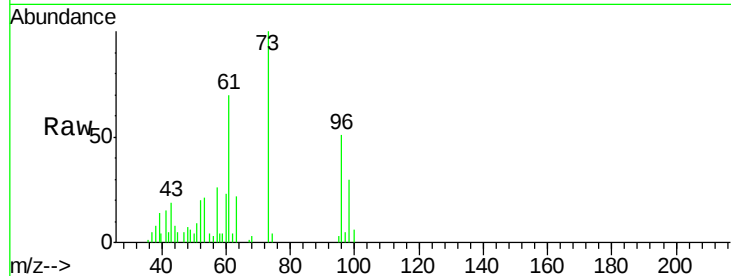
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	8311
Ion	Ratio	Lower	Upper
96	100		
61	133.3	89.4	134.2
98	58.7	48.6	73.0

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#22

Diisopropyl ether

Concen: 5.027 ug/l

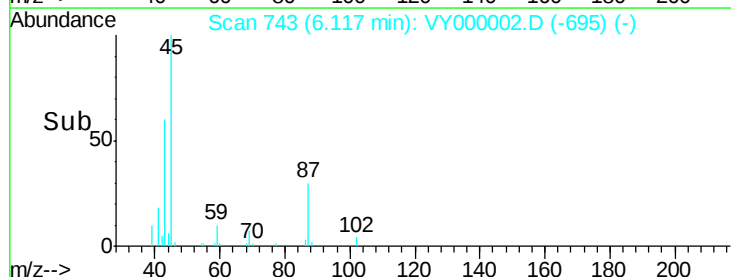
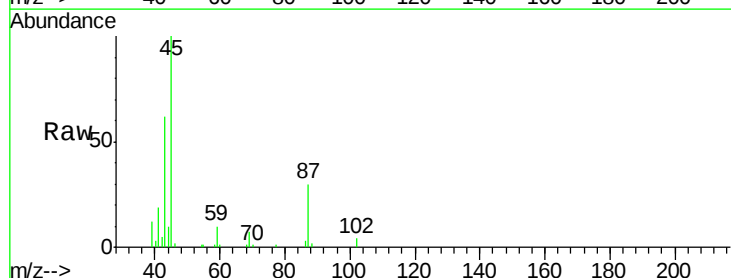
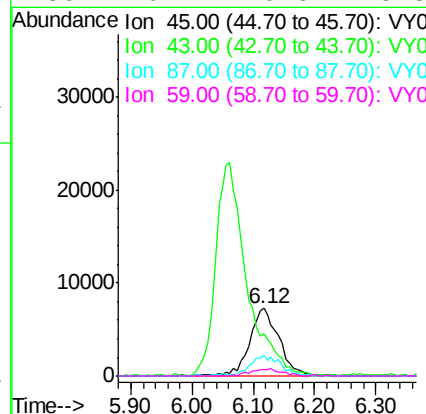
RT: 6.12 min Scan# 743

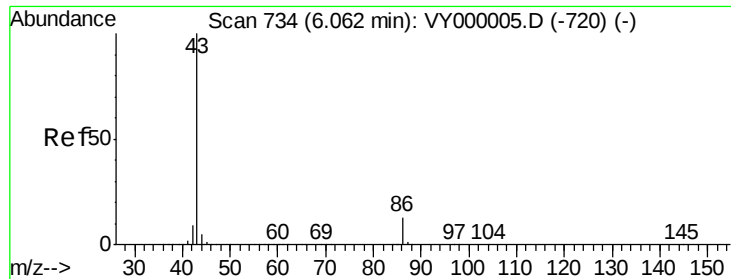
Delta R.T. -0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Tgt Ion:	45	Resp:	24525
Ion	Ratio	Lower	Upper
45	100		
43	60.7	45.2	67.8
87	30.4	25.3	37.9
59	10.1	10.6	15.8#





#23

Vinyl Acetate

Concen: 26.302 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleID :

VSTDIC005

Tot Ion: 43 Resp: 82024

Ion Ratio Lower Upper

43 100

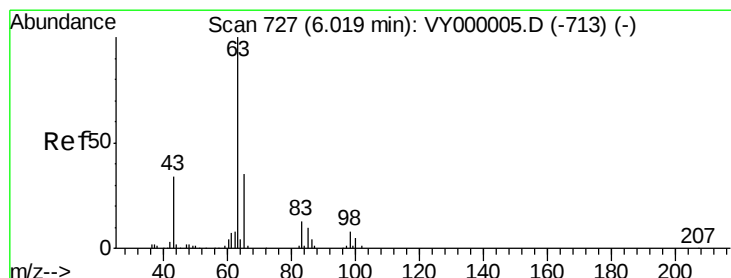
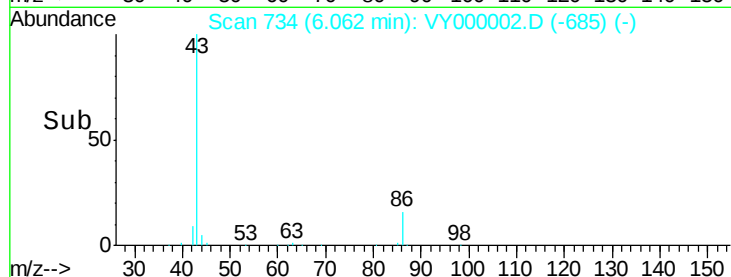
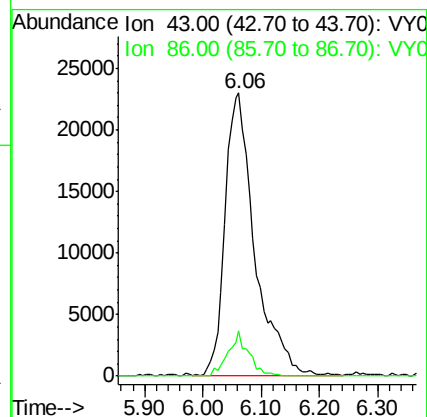
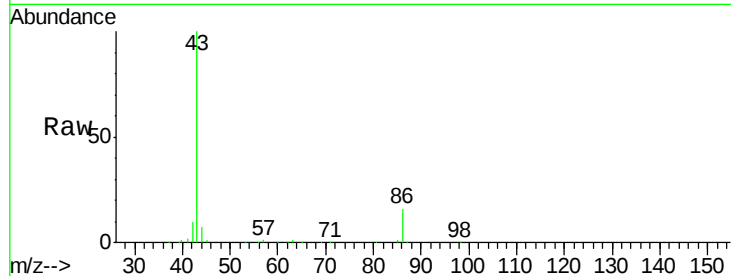
86 16.1 10.3 15.5#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.590 ug/l

RT: 6.02 min Scan# 727

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

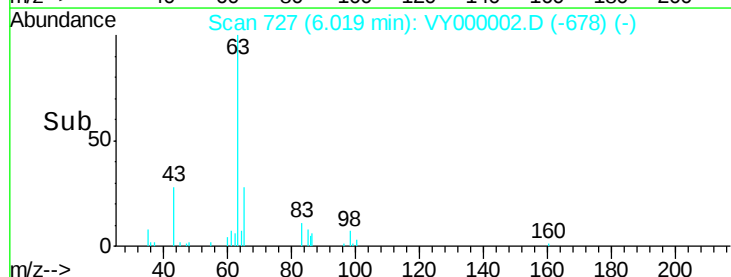
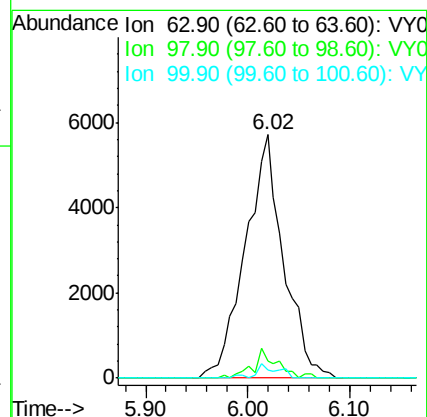
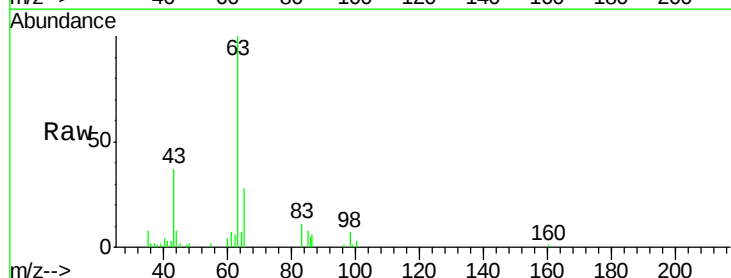
Tgt Ion: 63 Resp: 14913

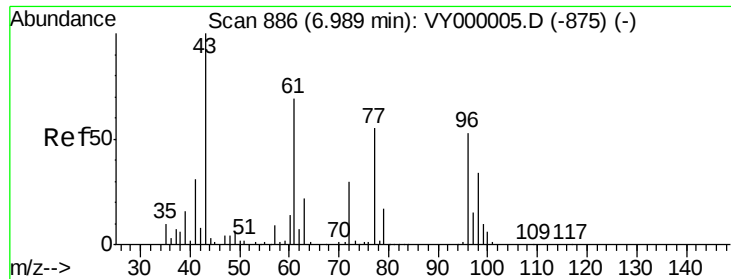
Ion Ratio Lower Upper

63 100

98 7.0 4.0 12.0

100 3.1 2.5 7.5





#25

2-Butanone

Concen: 30.178 ug/l

RT: 7.00 min Scan# 888

Delta R.T. 0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 18129

Ion Ratio Lower Upper

43 100

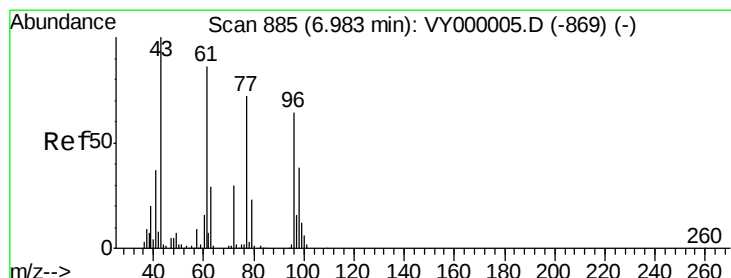
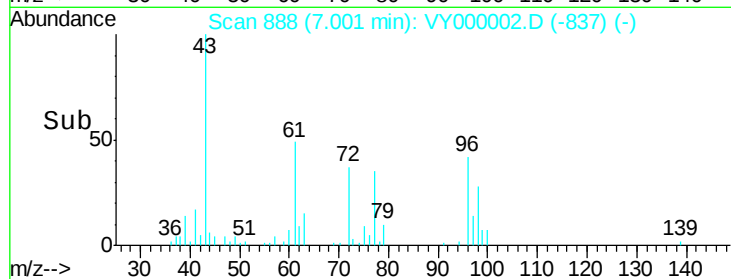
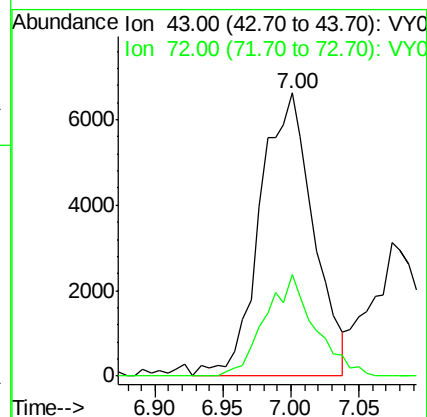
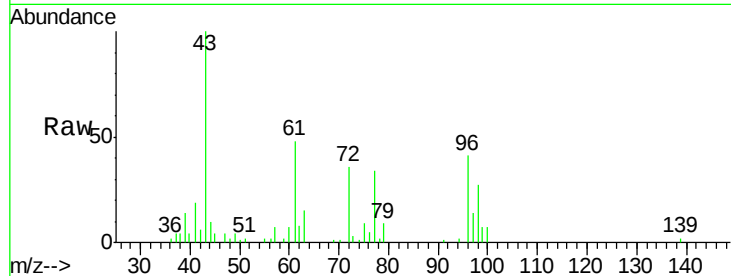
72 36.0 24.2 36.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 7.399 ug/l

RT: 6.98 min Scan# 884

Delta R.T. -0.01 min

Lab File: VY000002.D

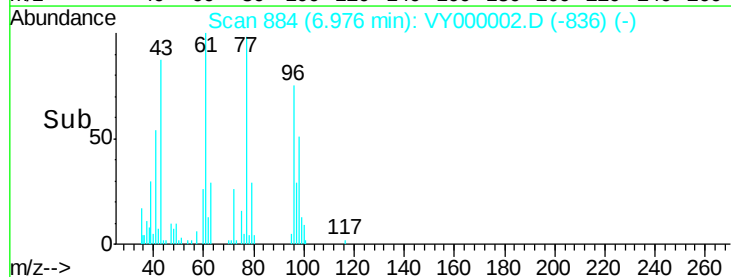
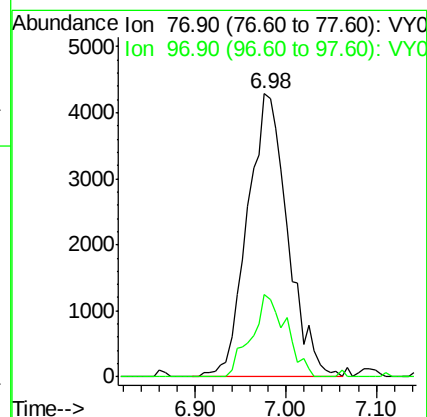
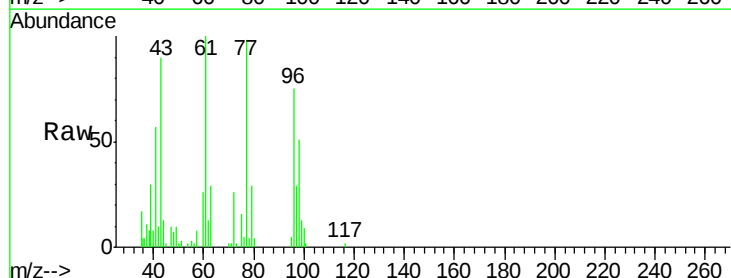
Acq: 11 Sep 2019 16:31

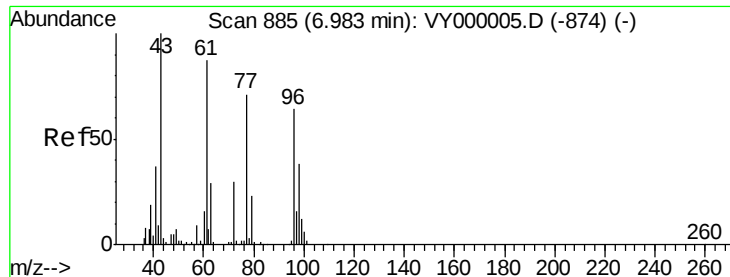
Tgt Ion: 77 Resp: 13182

Ion Ratio Lower Upper

77 100

97 25.4 12.6 37.6





#27

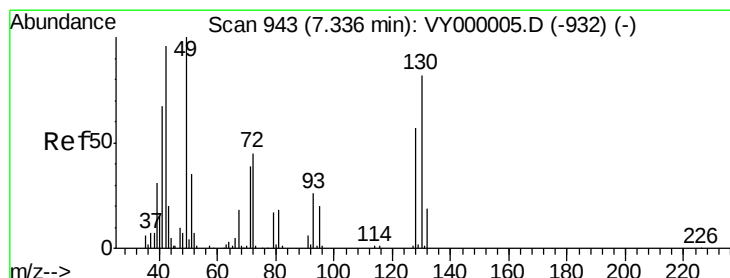
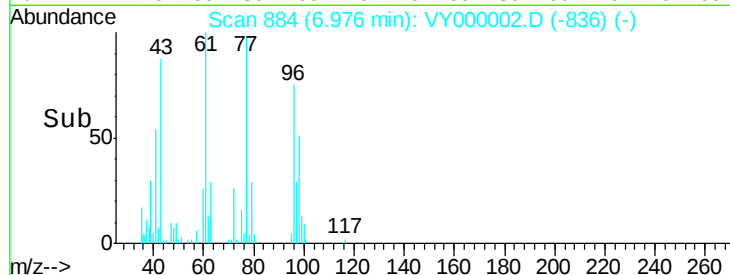
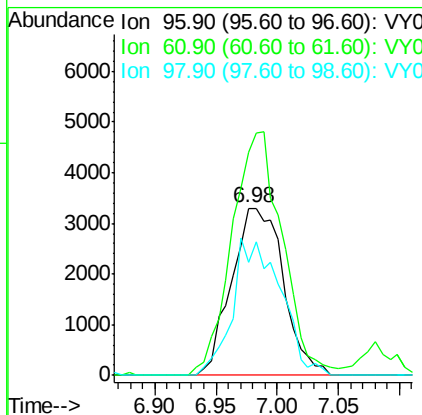
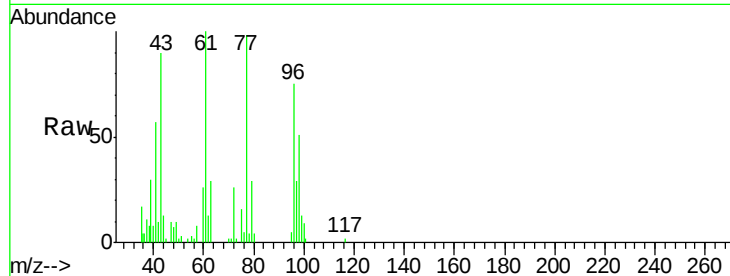
cis-1,2-Dichloroethene
Concen: 6.487 ug/l
RT: 6.98 min Scan# 884
Delta R.T. -0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	259.0
98	75.5	0.0	129.8

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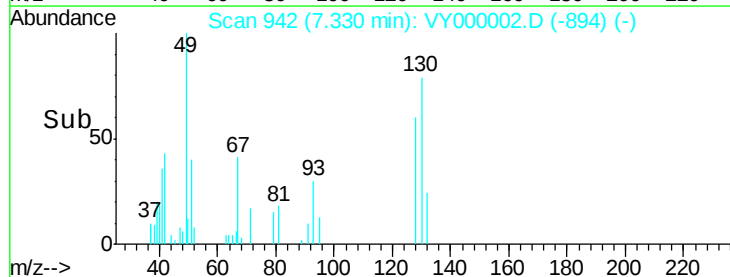
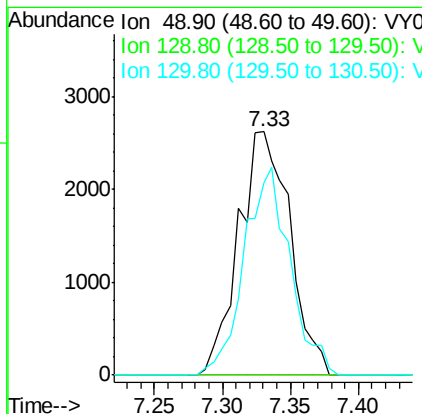
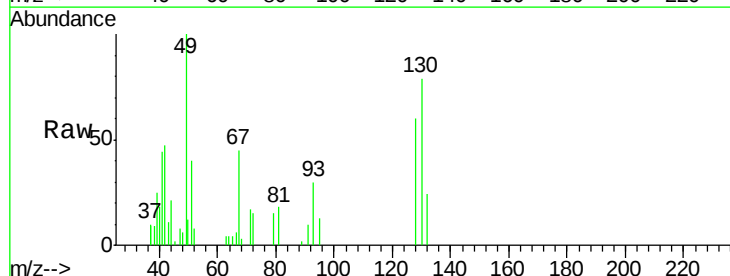
MMDadoda
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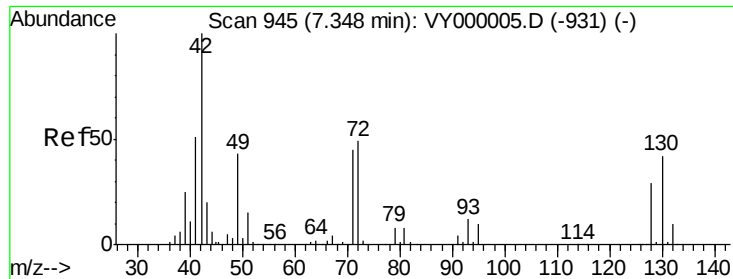


#28

Bromochloromethane
Concen: 5.543 ug/l
RT: 7.33 min Scan# 942
Delta R.T. -0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	76.3	65.3	97.9





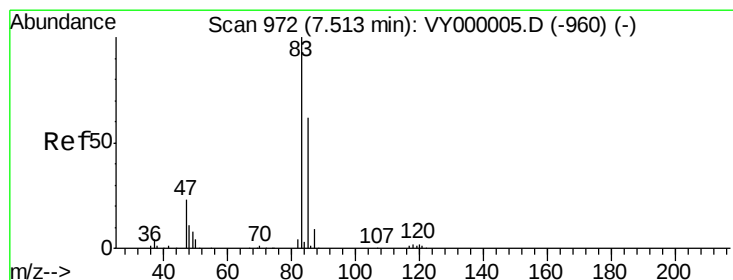
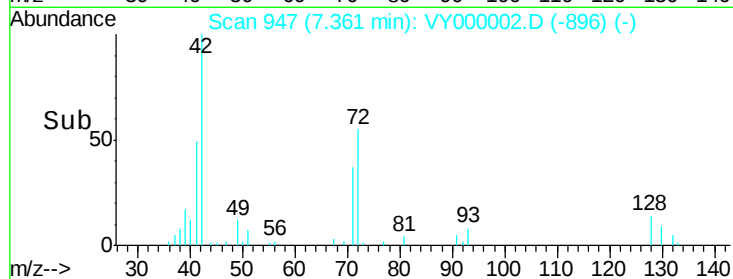
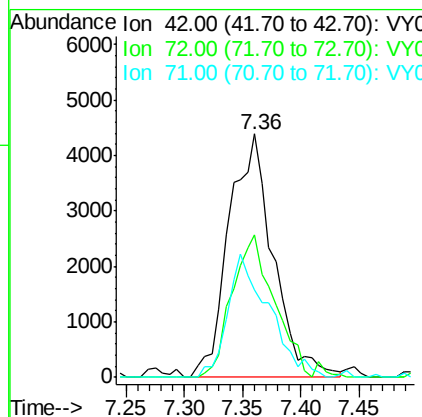
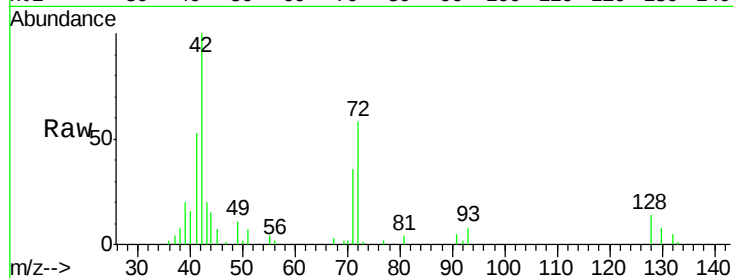
#29
Tetrahydrofuran
Concen: 31.467 ug/l
RT: 7.36 min Scan# 947
Delta R.T. 0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.5	39.2	58.8
71	46.9	36.4	54.6

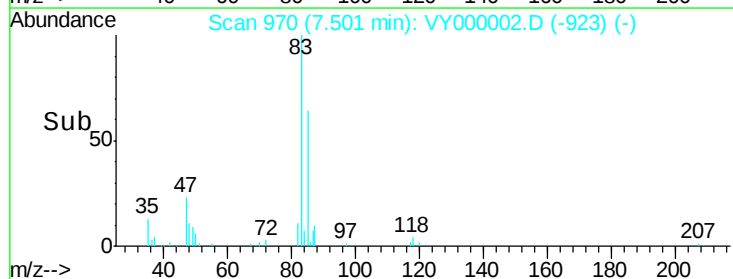
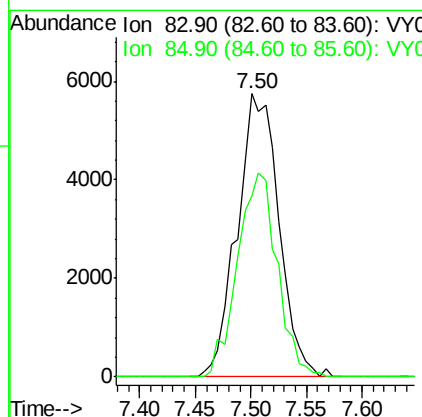
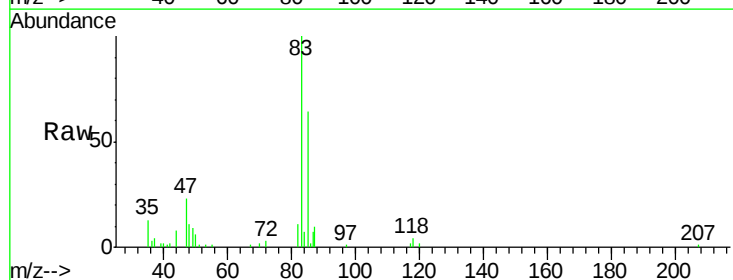
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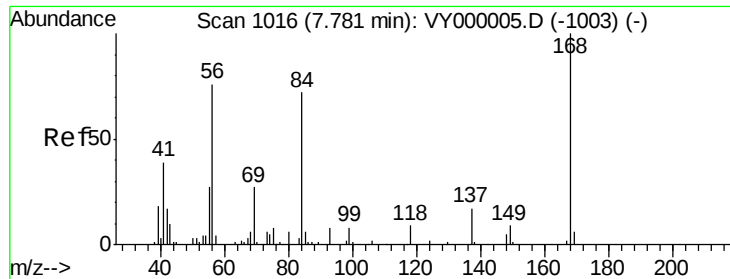
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#30
Chloroform
Concen: 5.604 ug/l
RT: 7.50 min Scan# 970
Delta R.T. -0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.4	74.0





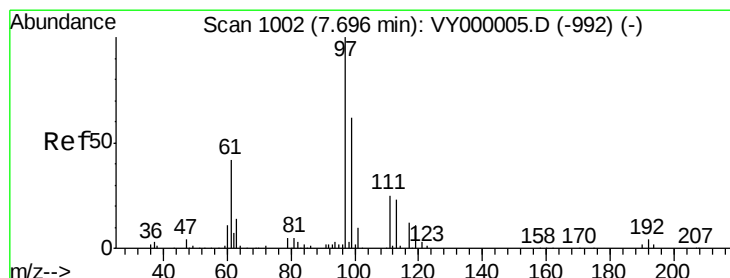
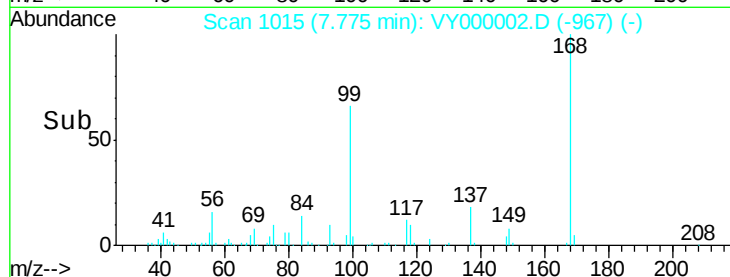
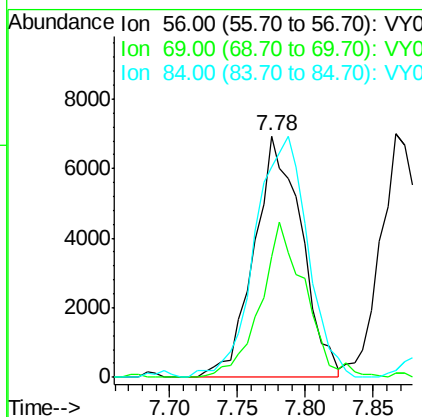
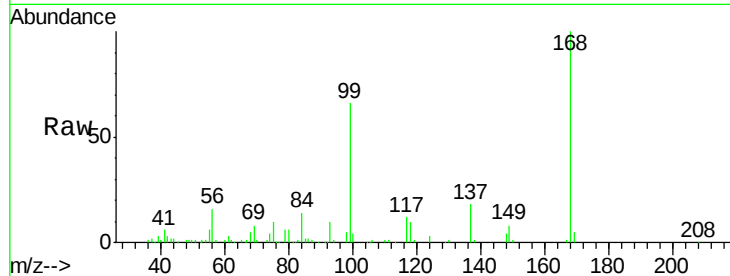
#31
Cyclohexane
Concen: 7.054 ug/l
RT: 7.78 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	49.8	28.5	42.7#
84	86.8	76.4	114.6

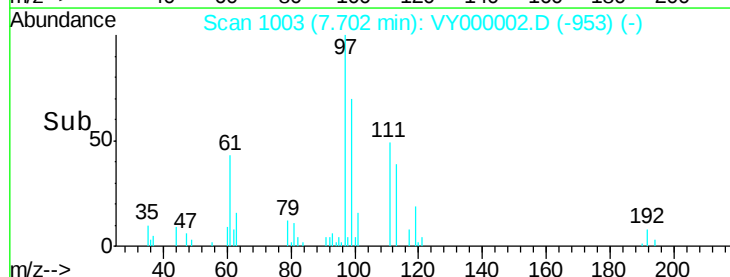
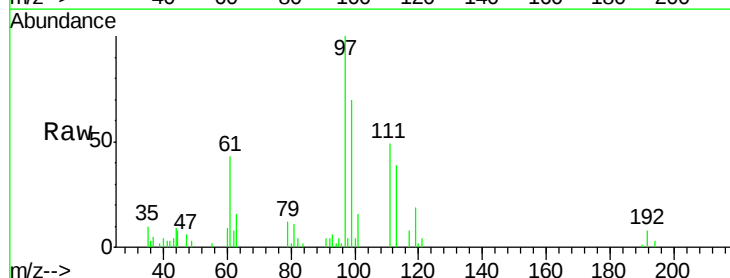
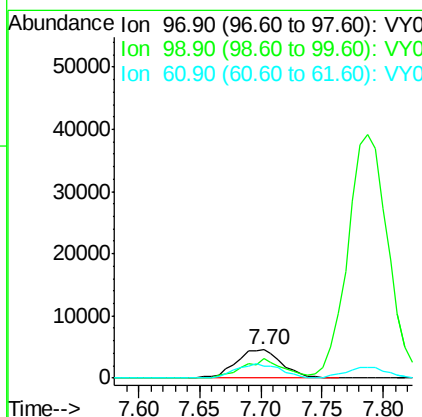
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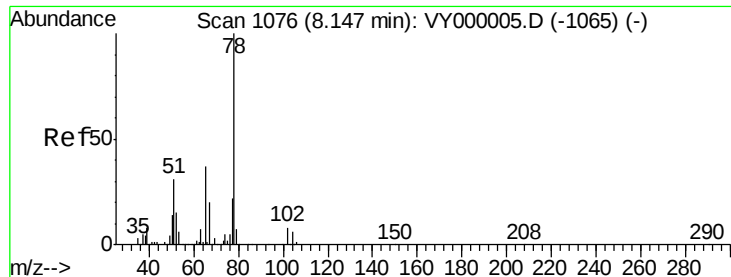
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#32
1,1,1-Trichloroethane
Concen: 5.535 ug/l
RT: 7.70 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.1	50.3	75.5
61	48.2	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 4.414 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 7271

Ion Ratio Lower Upper

65 100

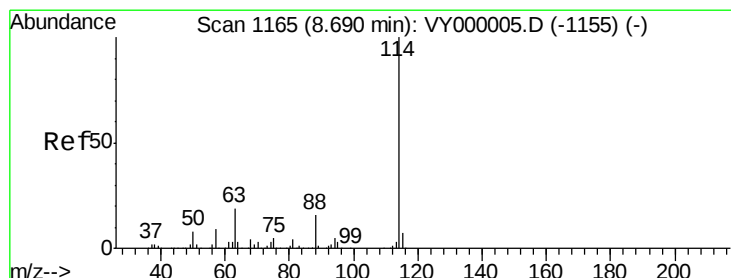
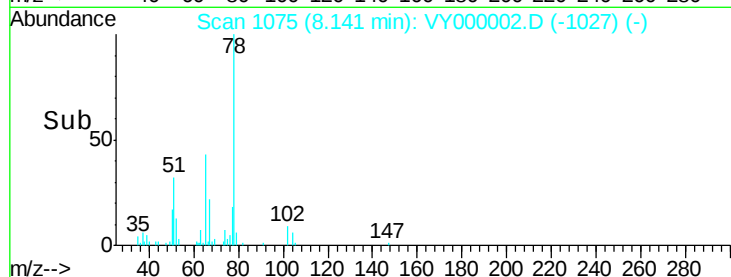
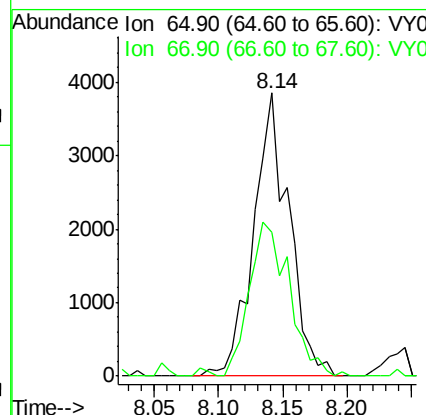
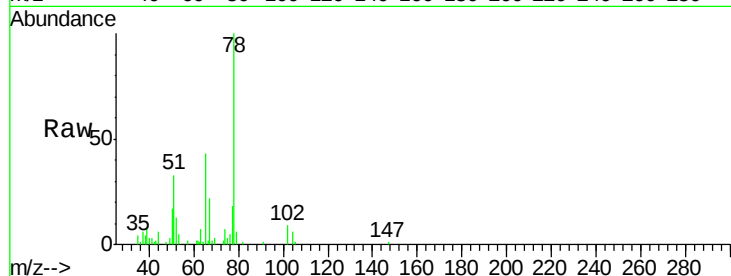
67 61.7 0.0 111.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

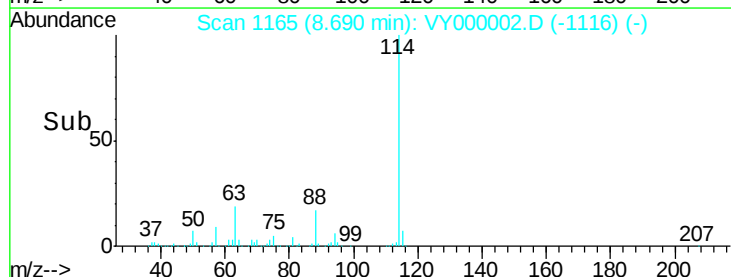
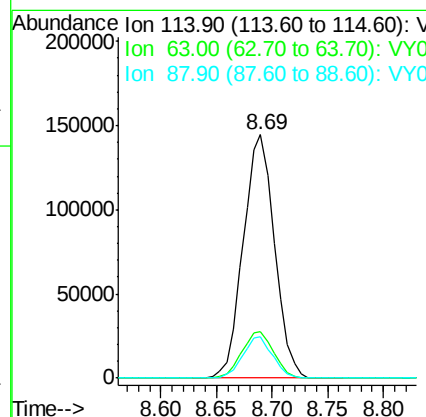
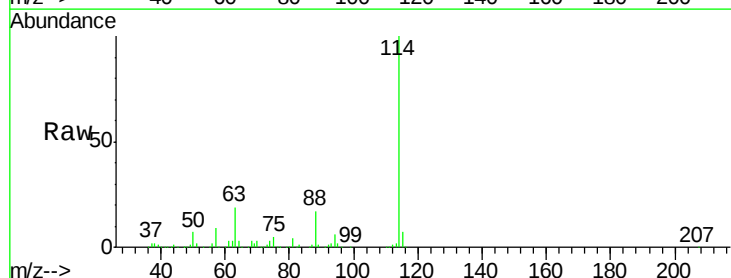
Tgt Ion: 114 Resp: 281769

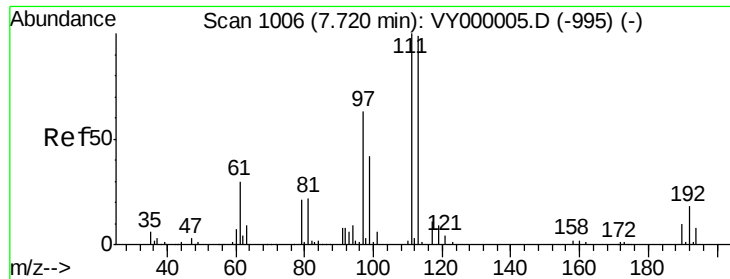
Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

88 17.0 0.0 32.6





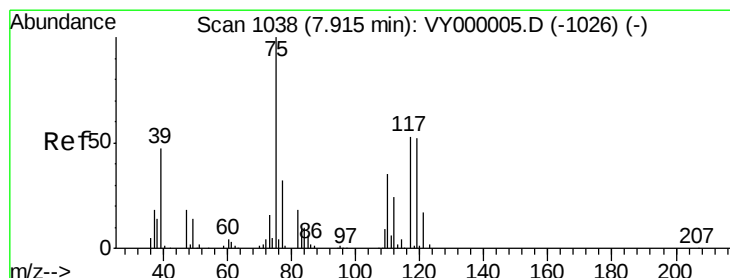
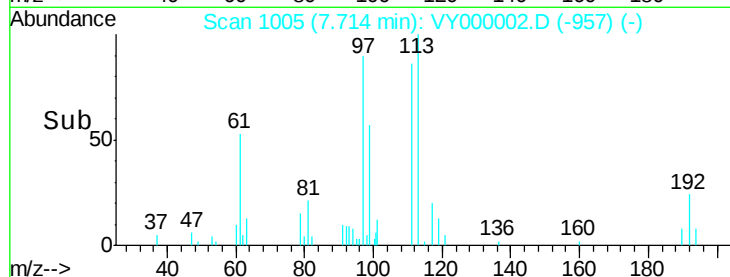
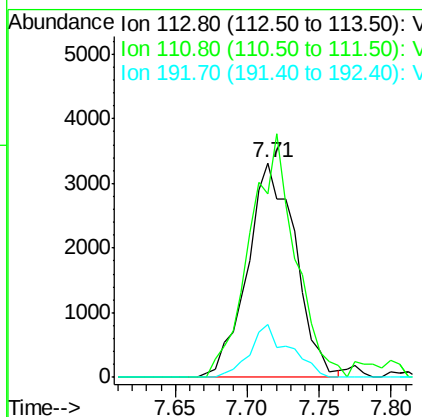
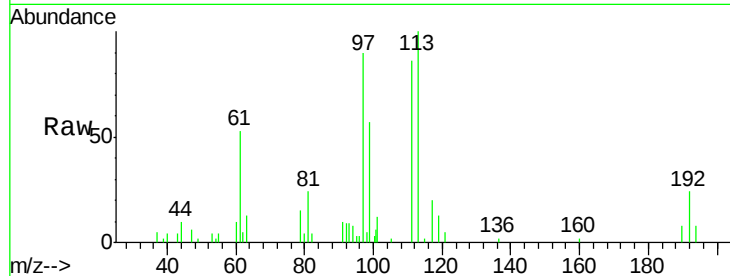
#35
 Dibromofluoromethane
 Concen: 4.605 ug/l
 RT: 7.71 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	7652		
111	107.1		81.6	122.4
192	20.3		15.2	22.8

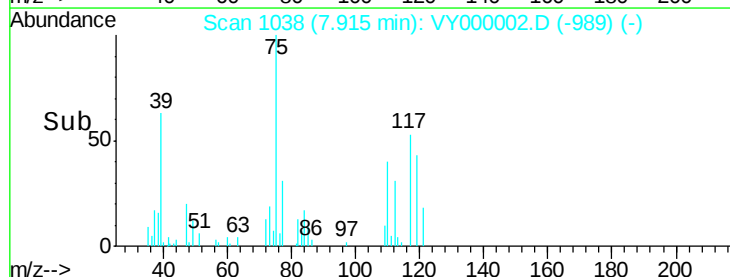
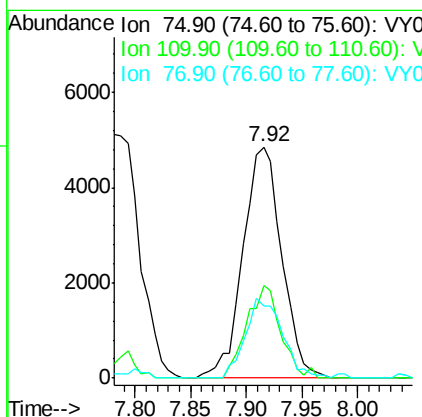
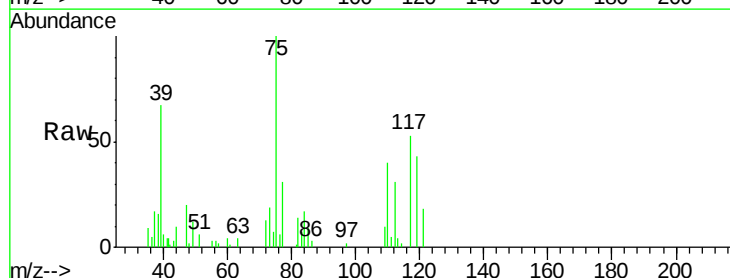
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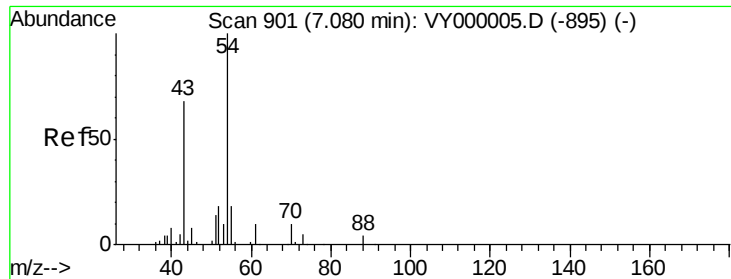
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#36
 1,1-Dichloropropene
 Concen: 4.926 ug/l
 RT: 7.92 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11755		
110	35.4		18.7	56.1
77	32.9		25.6	38.4





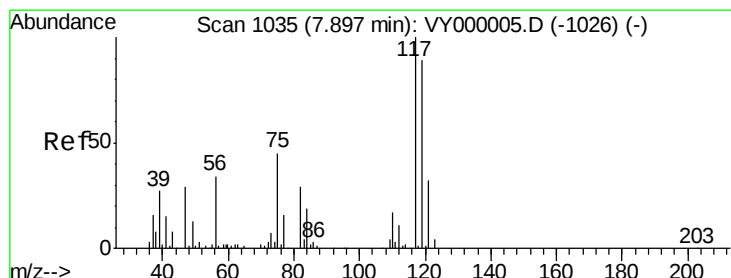
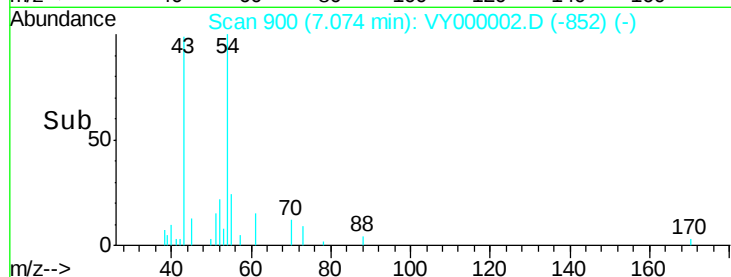
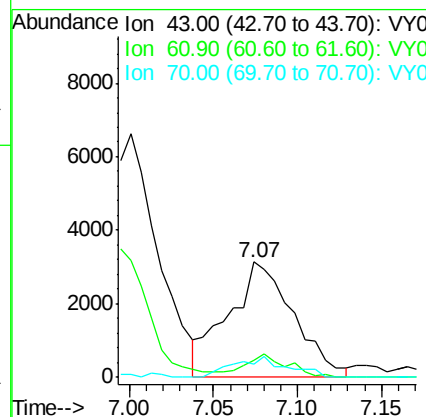
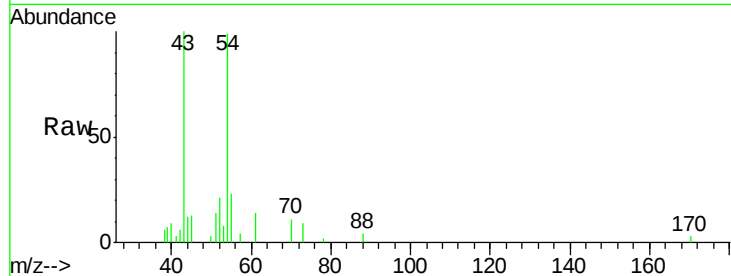
#37
Ethyl Acetate
Concen: 5.528 ug/l m
RT: 7.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	13.0	19.4
70	14.7	11.0	16.4

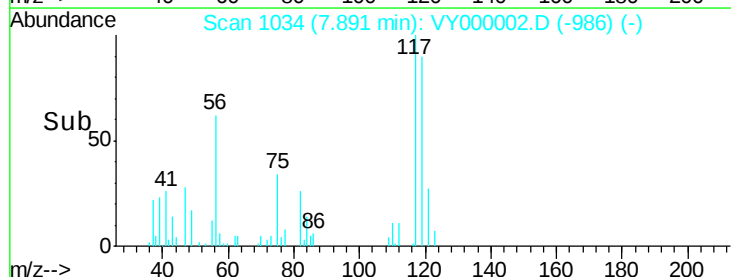
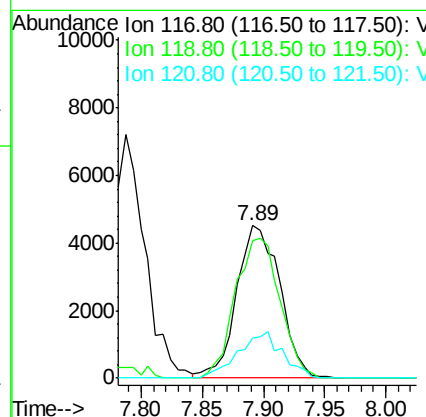
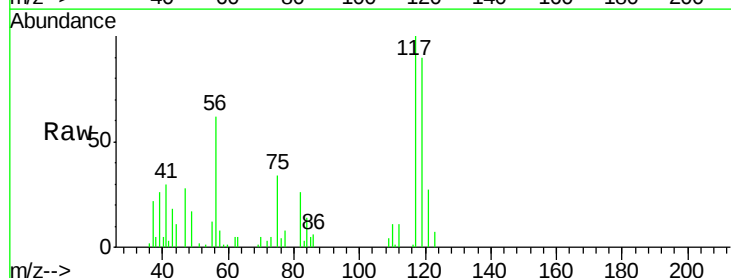
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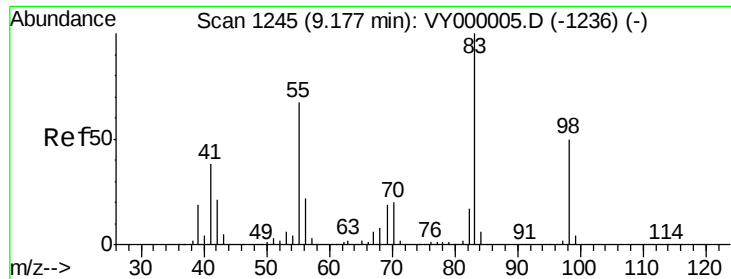
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#38
Carbon Tetrachloride
Concen: 4.729 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.2	71.5	107.3
121	26.6	25.3	37.9





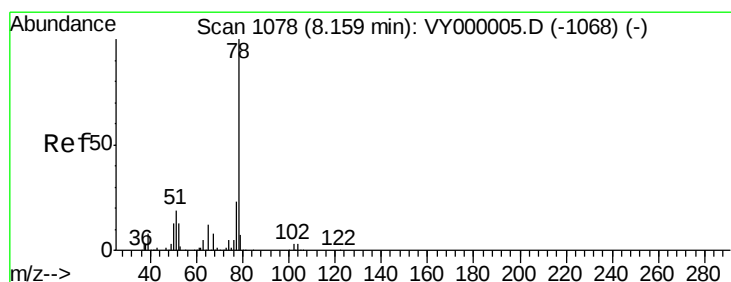
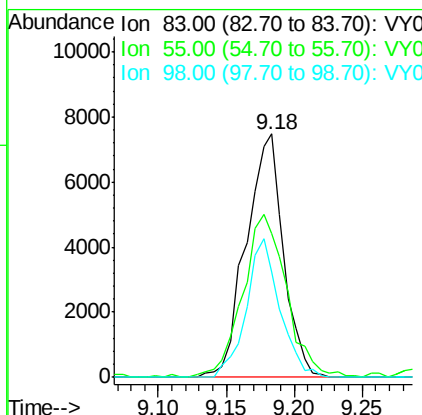
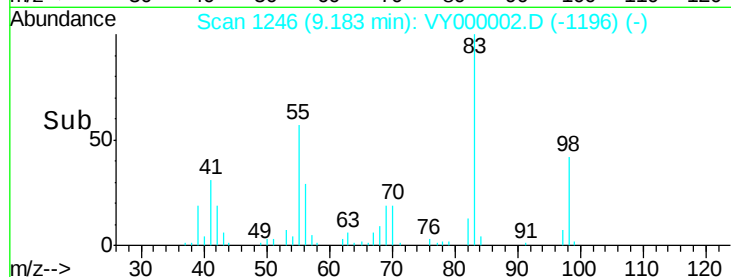
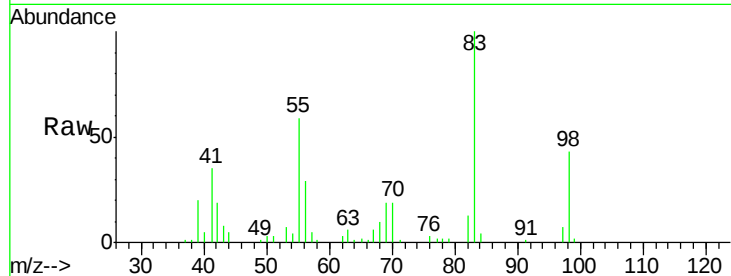
#39
Methvlcvclohexane
Concen: 5.273 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	14392
Ion Ratio	100	Lower	Upper
83	100		
55	59.1	53.8	80.6
98	43.5	40.0	60.0

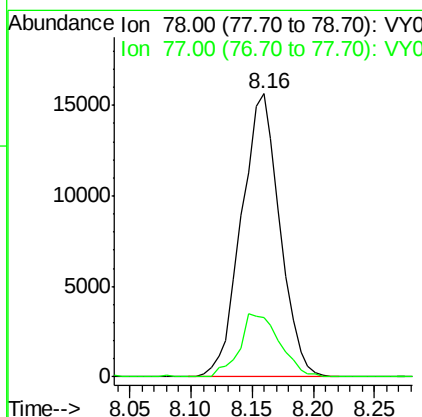
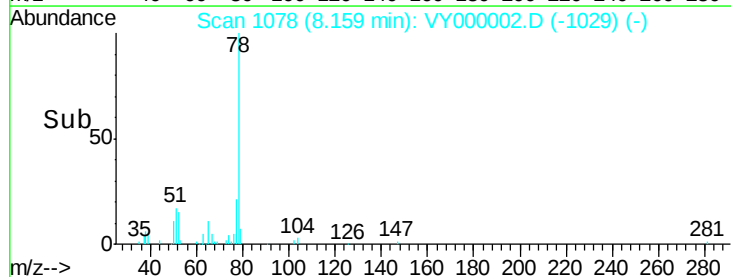
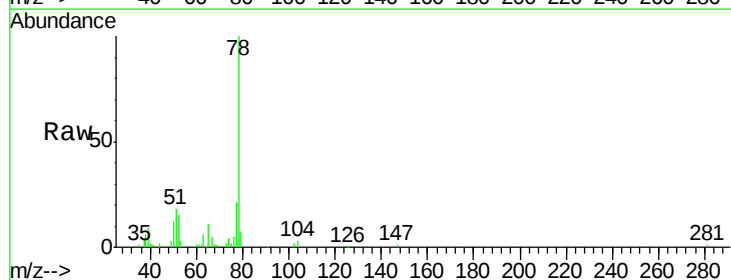
Manual Integrations
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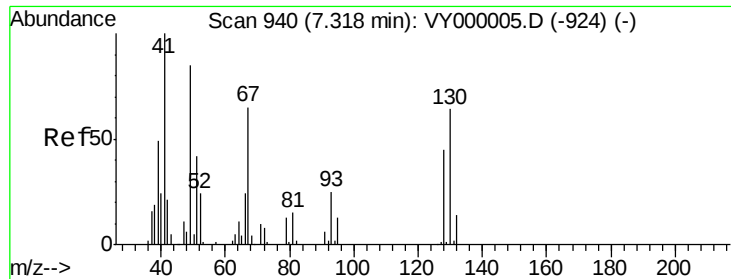
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#40
Benzene
Concen: 5.024 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	78	Resp	34125
Ion Ratio	100	Lower	Upper
78	100		
77	21.1	18.0	27.0





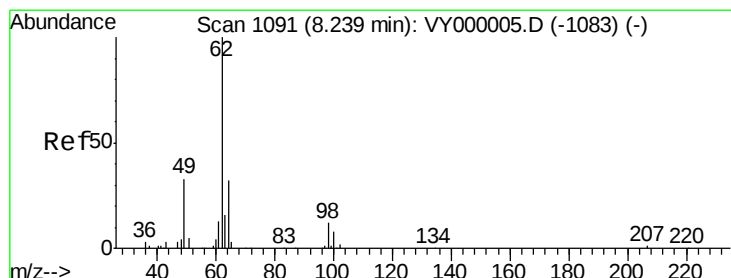
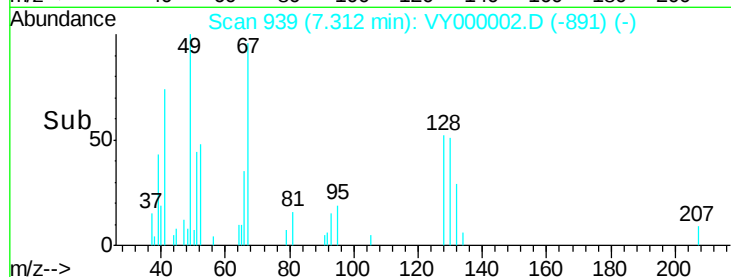
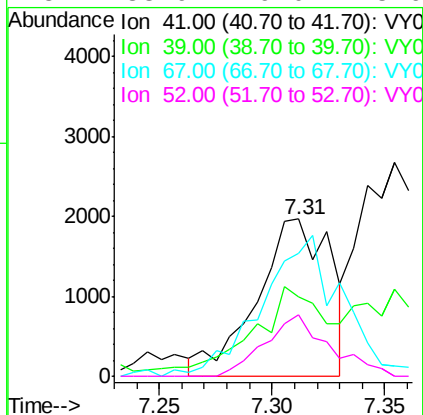
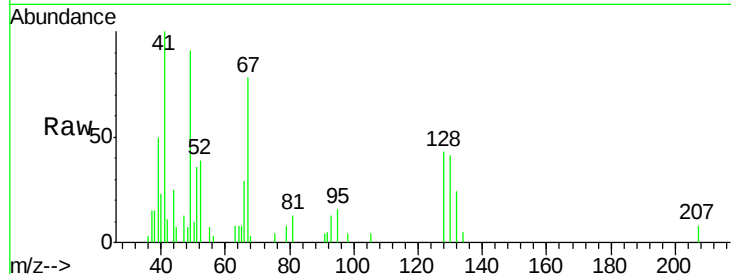
#41
Methacrylonitrile
Concen: 4.995 ug/l m
RT: 7.31 min Scan# 939
Delta R.T. -0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	4496
Ion	Ratio	Lower	Upper
41	100		
39	57.5	48.4	72.6
67	96.8	76.3	114.5
52	33.9	29.0	43.6

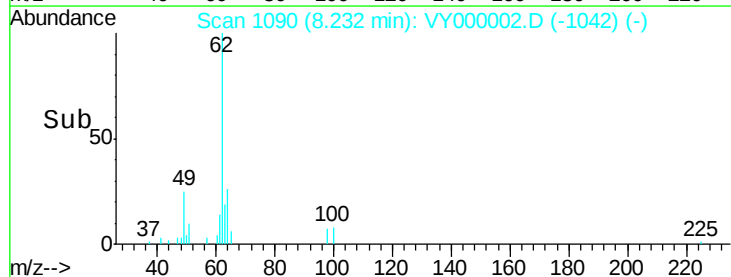
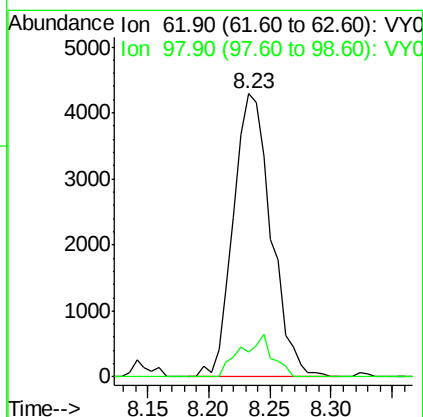
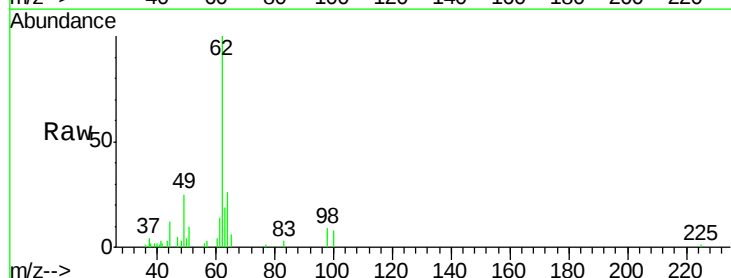
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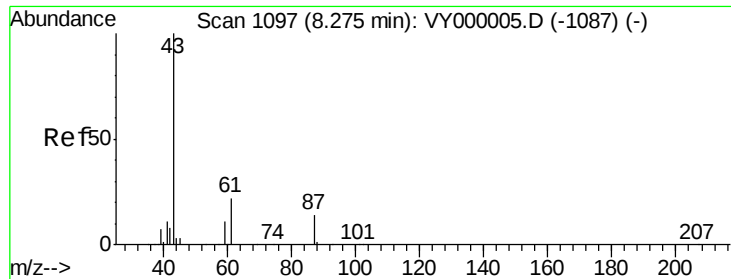
MMDadoda
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#42
1,2-Dichloroethane
Concen: 4.017 ug/l
RT: 8.23 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion:	62	Resp:	9190
Ion	Ratio	Lower	Upper
62	100		
98	12.6	0.0	24.2





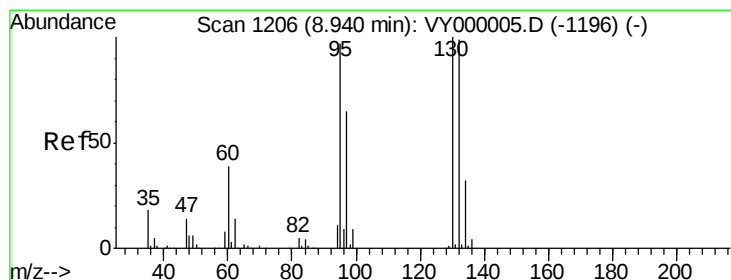
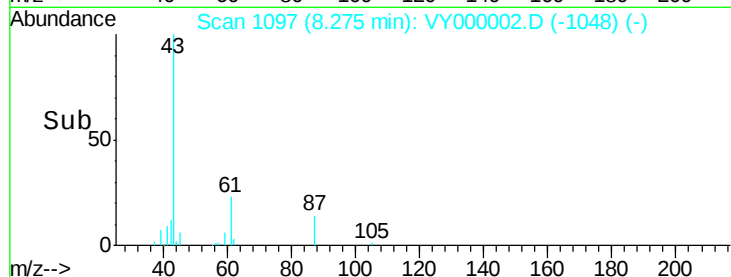
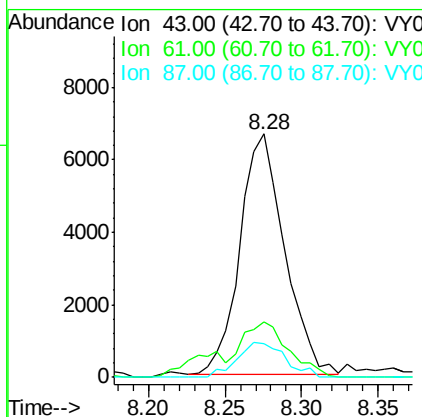
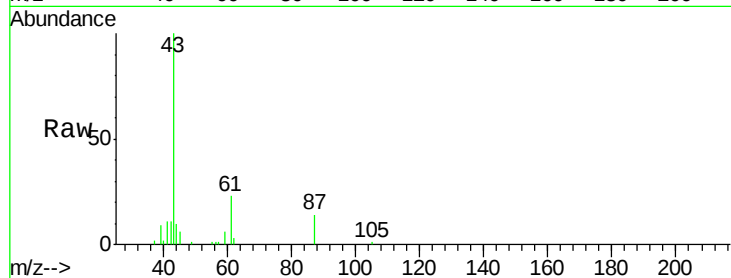
#43
Isopropyl Acetate
Concen: 4.649 ug/l
RT: 8.28 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.8	25.2	37.8#
87	15.5	12.6	18.8

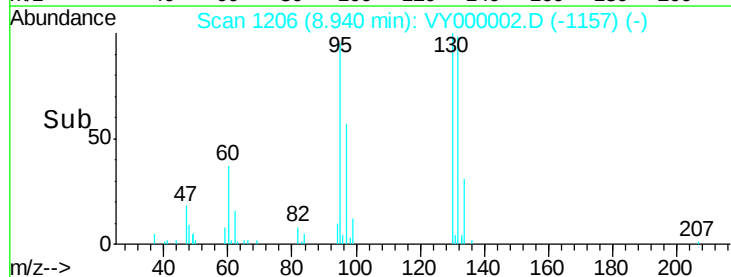
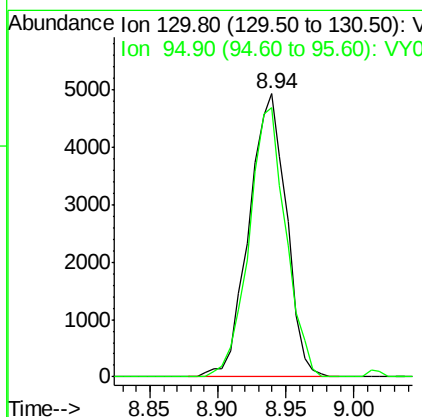
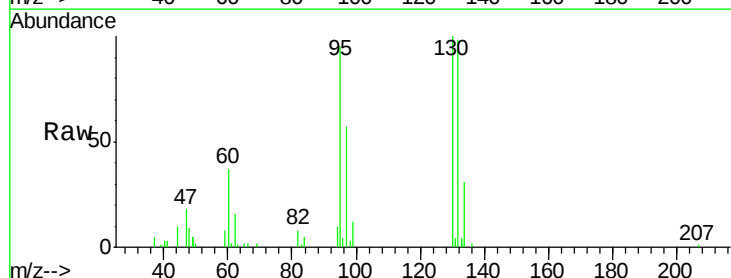
Manual Integrations
APPROVED

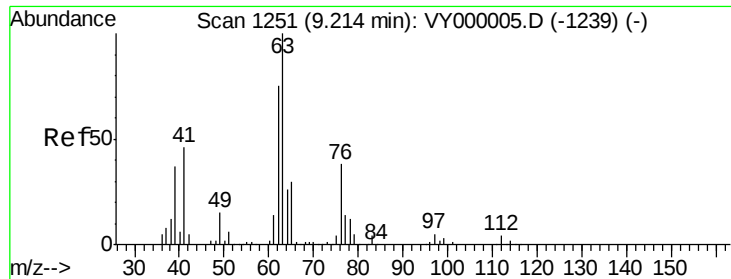
MMDadoda
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#44
Trichloroethene
Concen: 5.411 ug/l
RT: 8.94 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	194.2





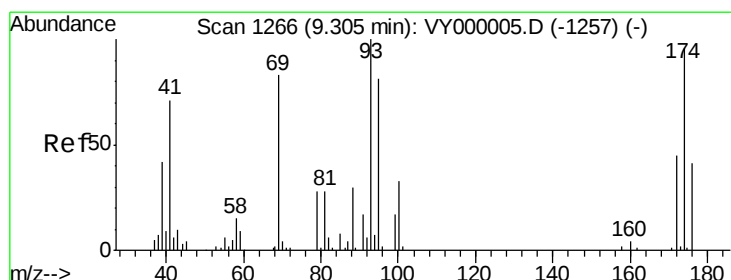
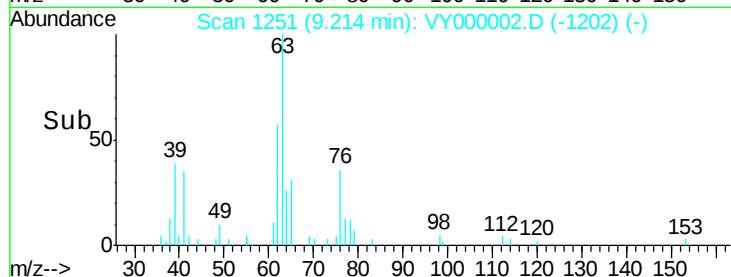
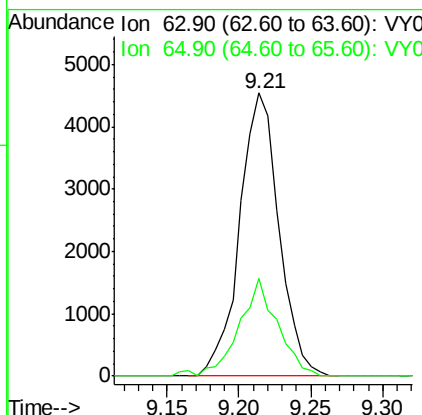
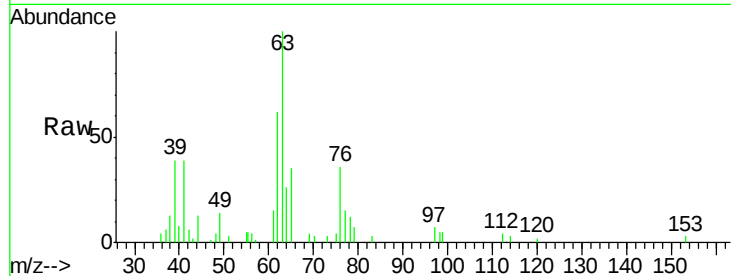
#45
 1,2-Dichloropropane
 Concen: 4.595 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 8591
 Ion Ratio Lower Upper
 63 100
 65 34.5 24.3 36.5

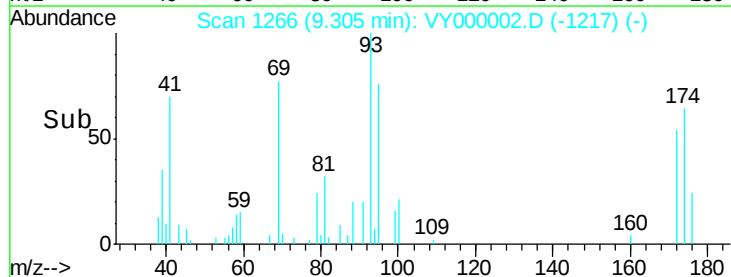
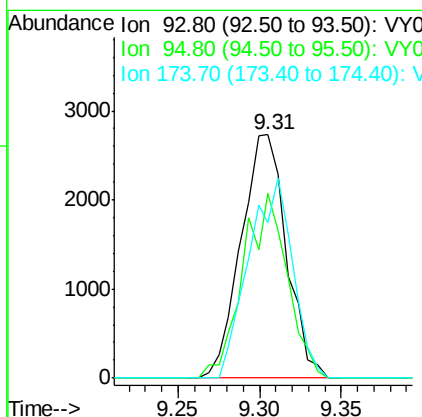
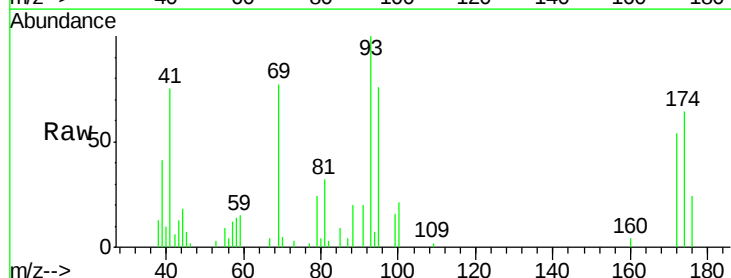
Manual Integrations
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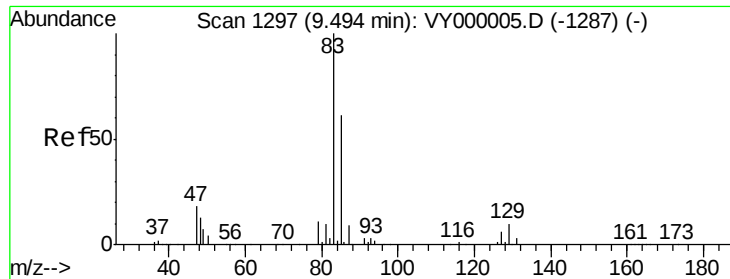
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#46
 Dibromomethane
 Concen: 5.885 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Tgt Ion: 93 Resp: 5295
 Ion Ratio Lower Upper
 93 100
 95 73.8 68.1 102.1
 174 78.8 72.8 109.2





#47

Bromodichloromethane

Concen: 4.531 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

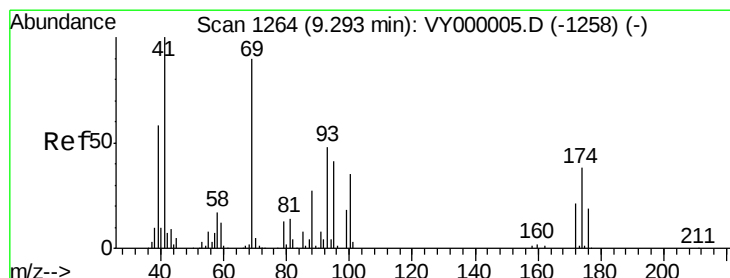
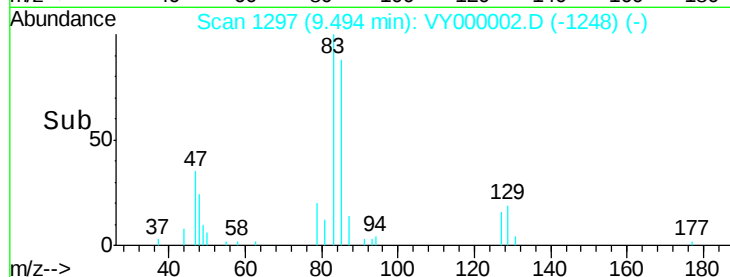
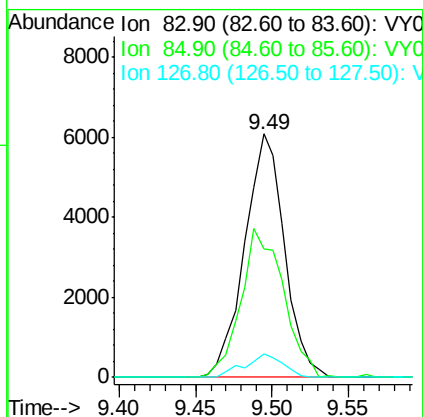
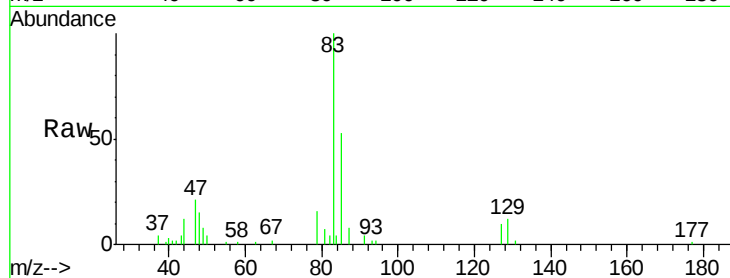
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	10992
Ion	Ratio	Lower	Upper
83	100		
85	52.9	49.2	73.8
127	9.5	5.0	7.6#

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.313 ug/l

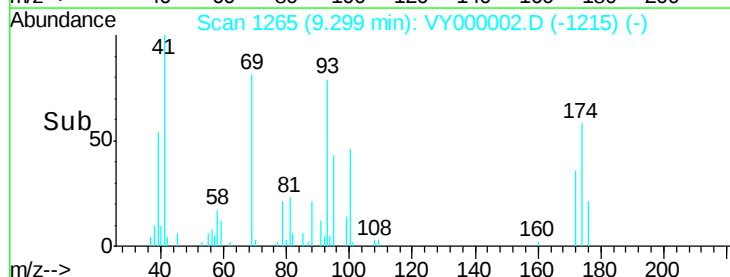
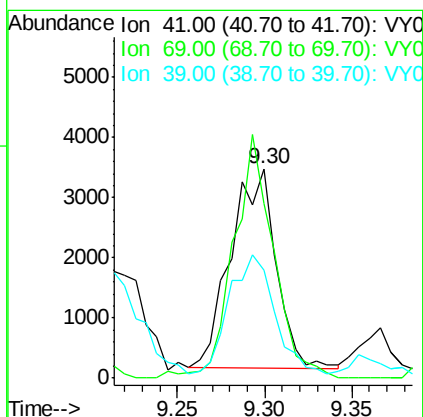
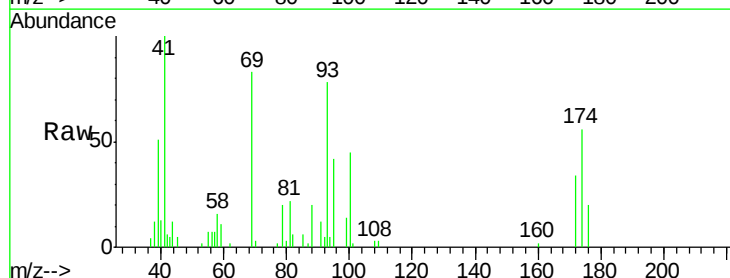
RT: 9.30 min Scan# 1265

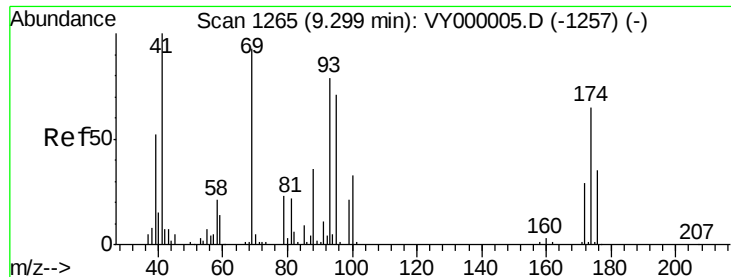
Delta R.T. 0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Tgt Ion:	41	Resp:	5975
Ion	Ratio	Lower	Upper
41	100		
69	107.5	77.4	116.2
39	60.8	47.4	71.2





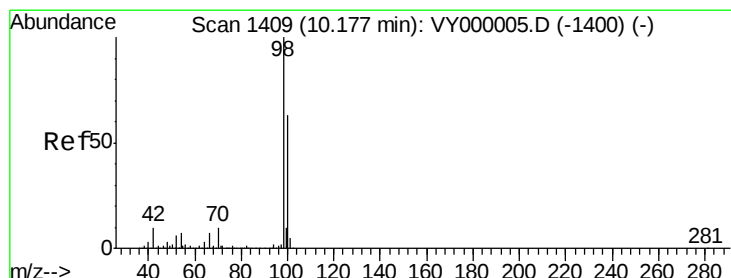
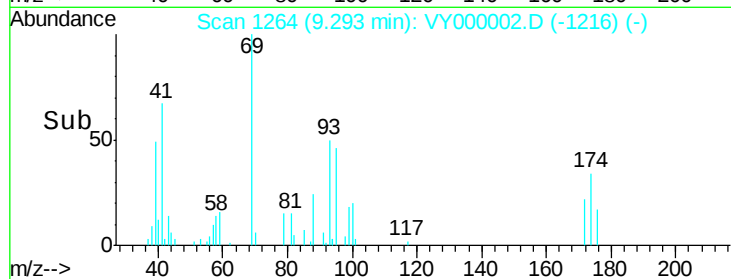
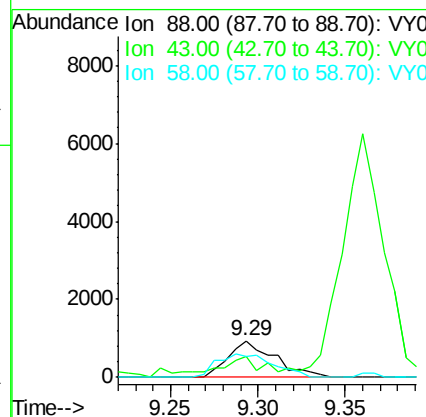
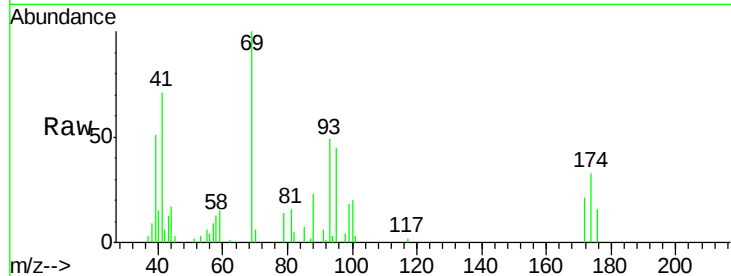
#49
1,4-Dioxane
Concen: 93.831 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	56.1	23.4	35.2#
58	78.4	46.1	69.1#

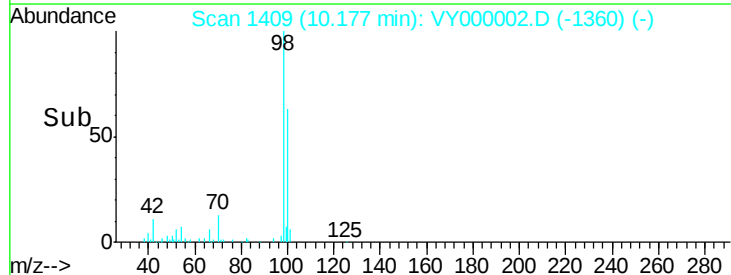
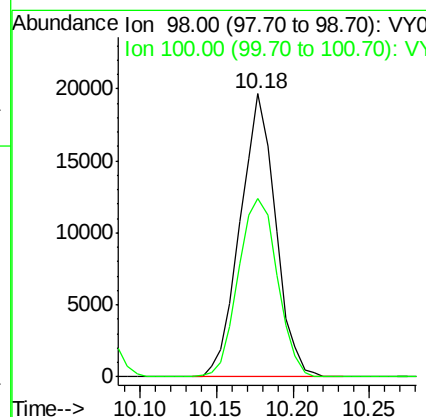
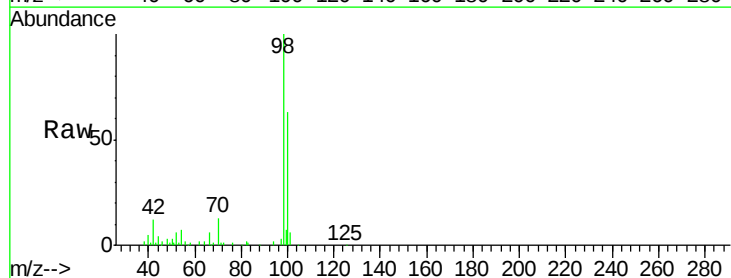
Manual Integrations
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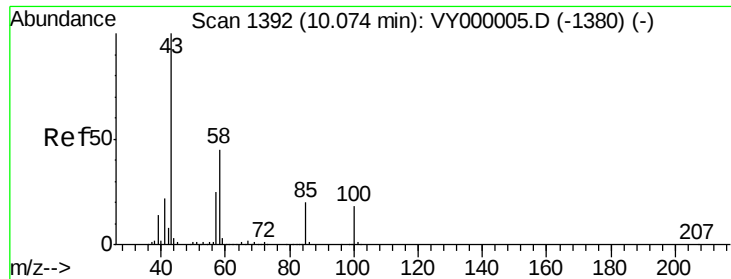
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#50
Toluene-d8
Concen: 4.789 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.7	52.2	78.4





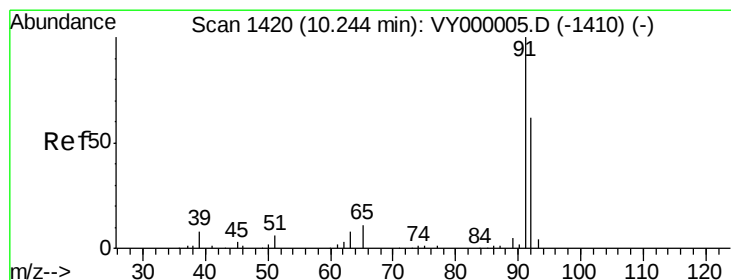
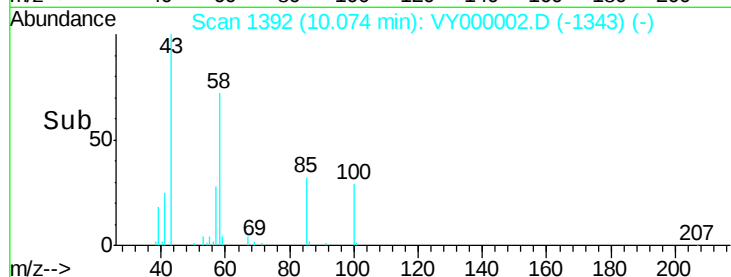
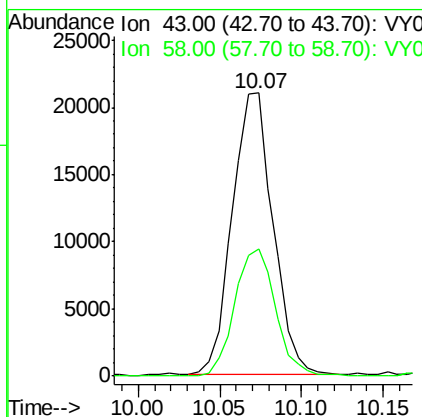
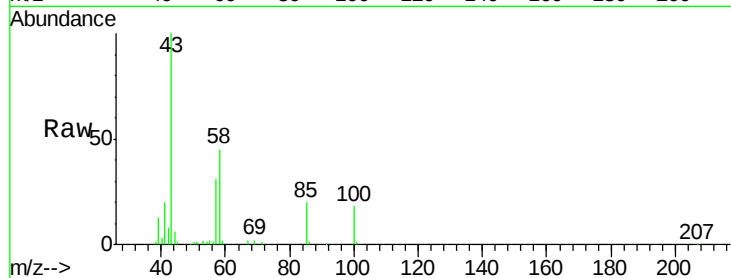
#51
4-Methyl-2-Pentanone
Concen: 23.767 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 36572
Ion Ratio Lower Upper
43 100
58 45.3 34.1 51.1

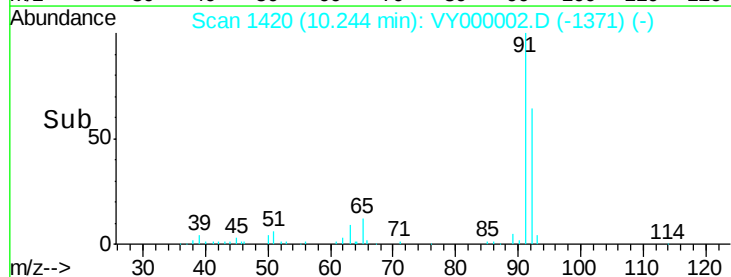
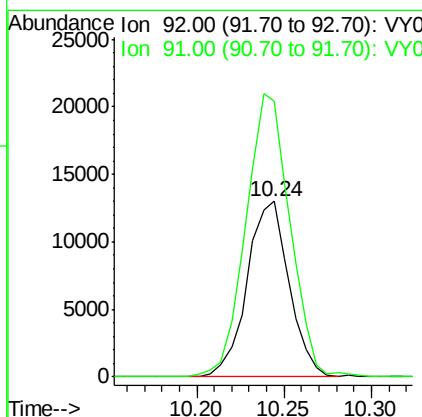
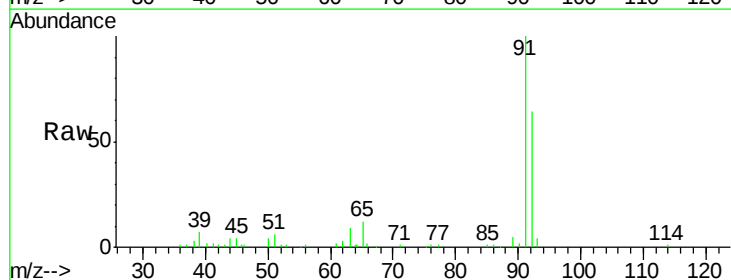
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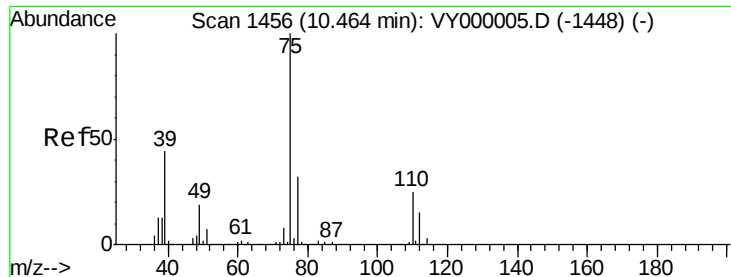
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#52
Toluene
Concen: 5.098 ug/l
RT: 10.24 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion: 92 Resp: 21653
Ion Ratio Lower Upper
92 100
91 169.7 136.5 204.7





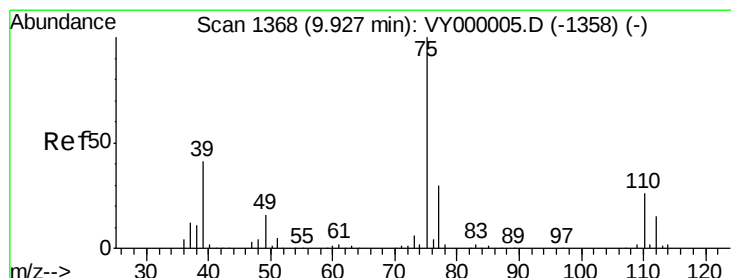
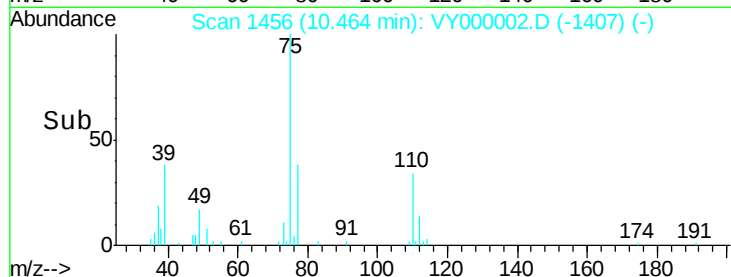
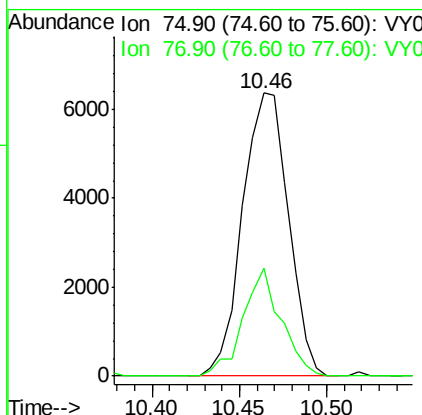
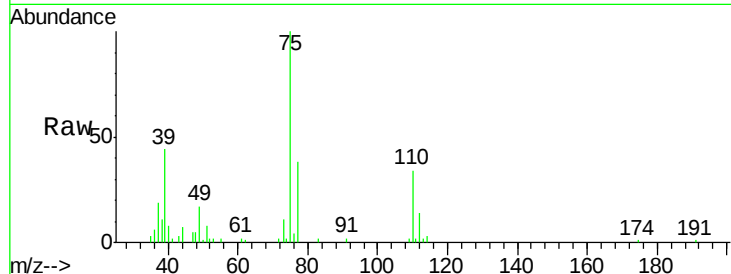
#53
t-1,3-Dichloropropene
Concen: 4.627 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	38.1	25.8	38.8

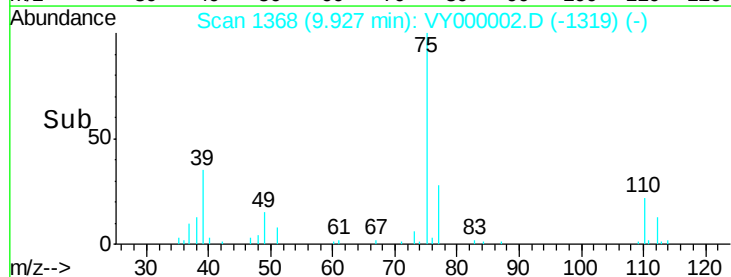
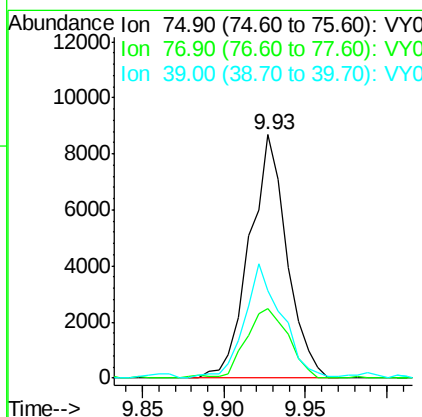
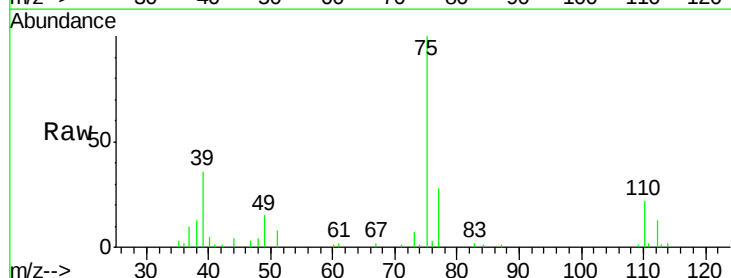
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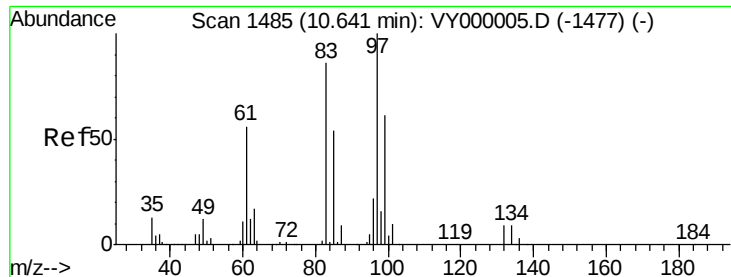
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#54
cis-1,3-Dichloropropene
Concen: 4.843 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.4	24.1	36.1
39	36.0	33.0	49.4





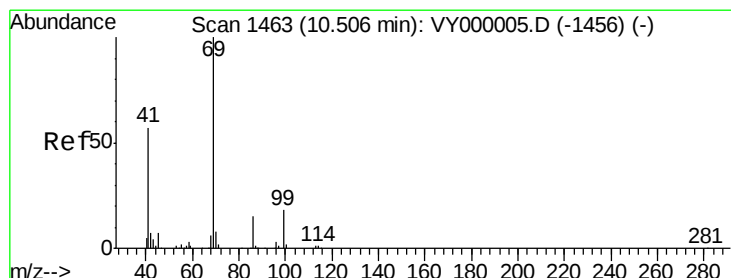
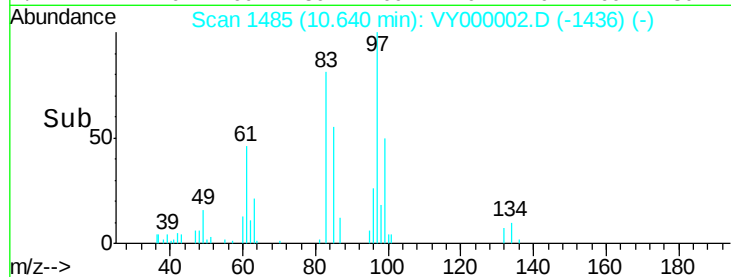
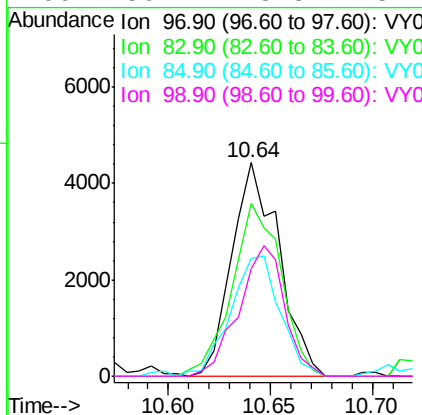
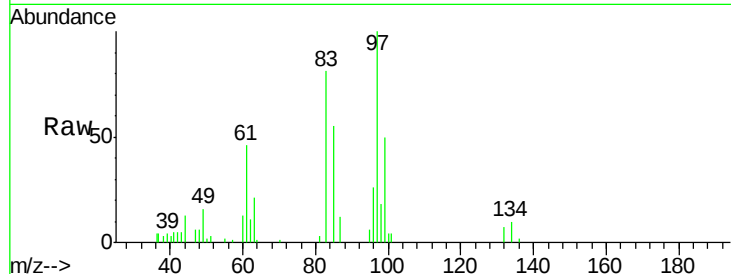
#55
 1,1,2-Trichloroethane
 Concen: 5.223 ug/l
 RT: 10.64 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	7092
Ion	Ratio	Lower	Upper
97	100		
83	80.7	68.4	102.6
85	55.2	43.0	64.6
99	50.4	48.8	73.2

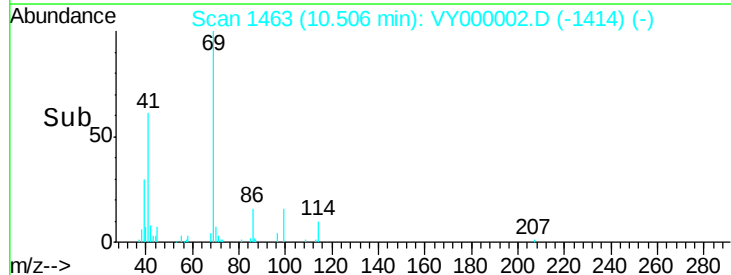
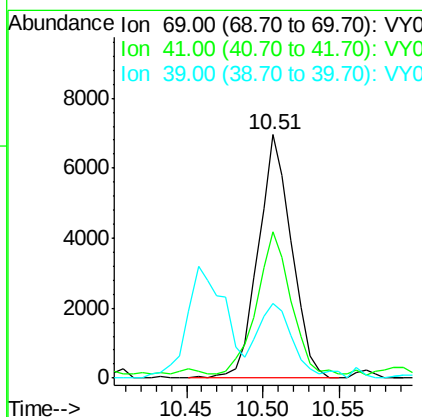
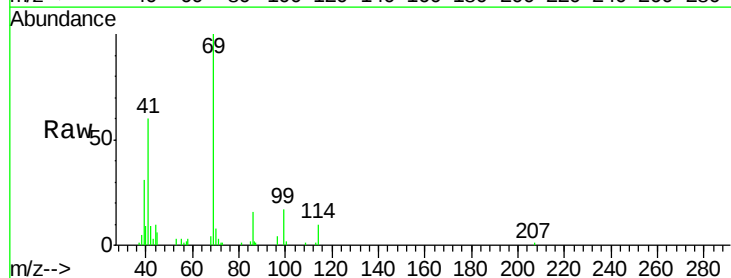
Manual Integrations
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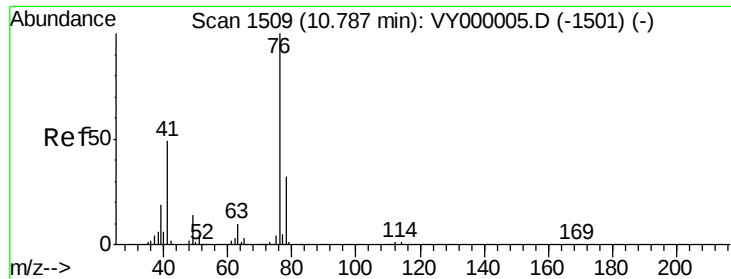
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#56
 Ethyl methacrylate
 Concen: 5.317 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Tgt Ion:	69	Resp:	10531
Ion	Ratio	Lower	Upper
69	100		
41	62.6	46.3	69.5
39	32.8	25.8	38.6





#57

1,3-Dichloropropane

Concen: 5.067 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 12535

Ion Ratio Lower Upper

76 100

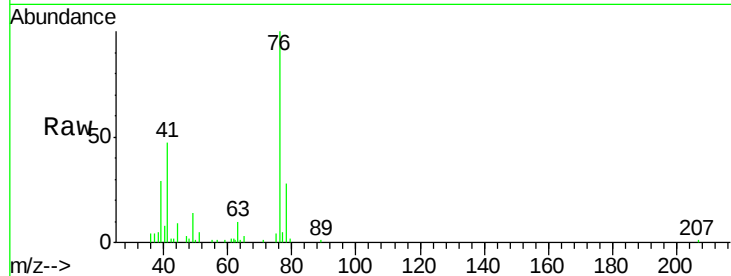
78 32.9 26.1 39.1

Manual Integrations

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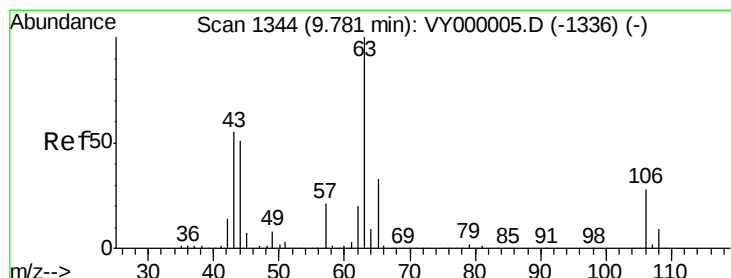
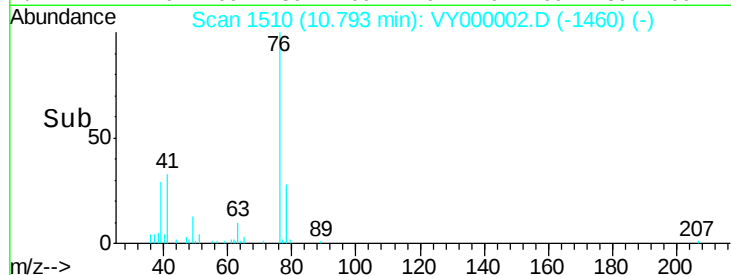
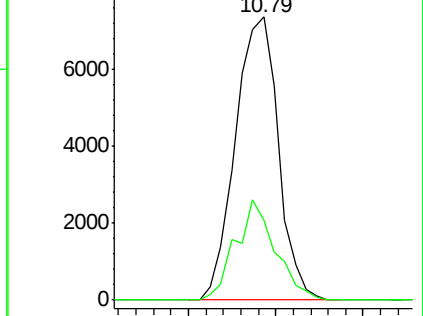
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 26.773 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000002.D

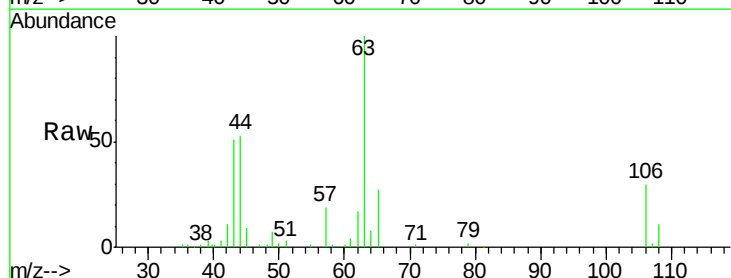
Acq: 11 Sep 2019 16:31

Tgt Ion: 63 Resp: 28378

Ion Ratio Lower Upper

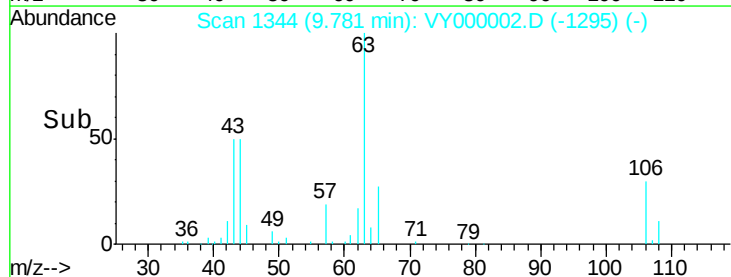
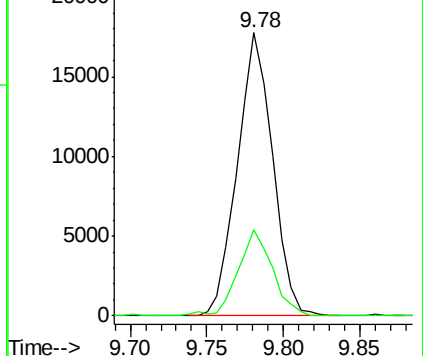
63 100

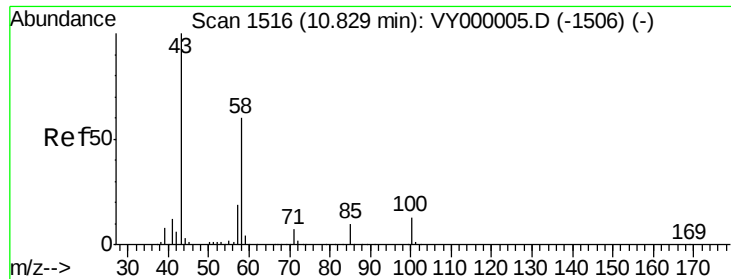
106 29.5 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





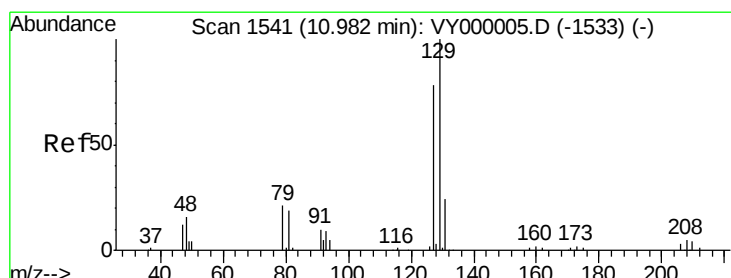
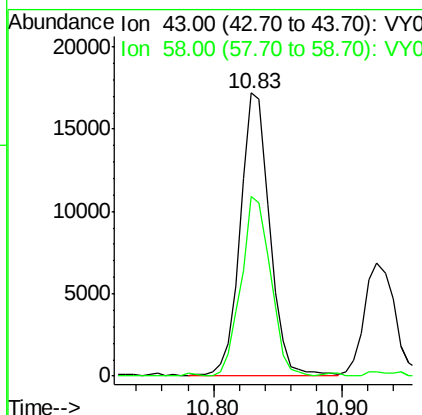
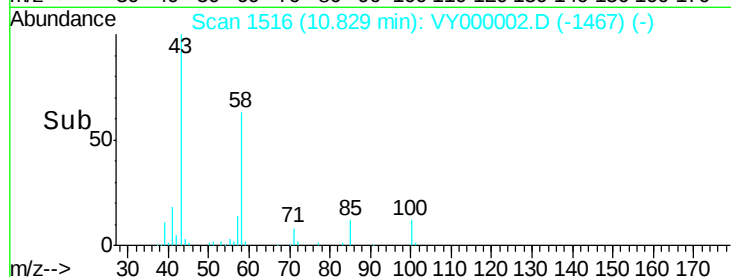
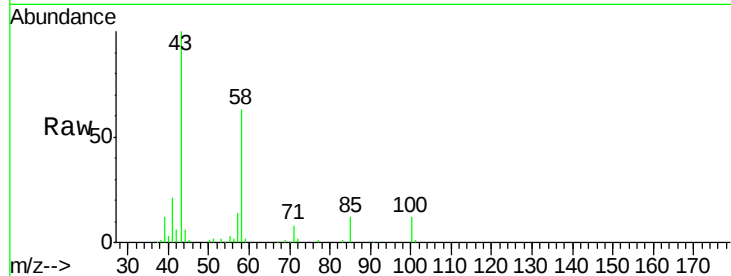
#59
2-Hexanone
Concen: 24.176 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	63.4	29.8	89.5

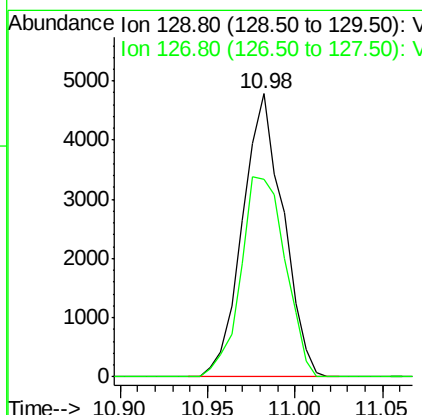
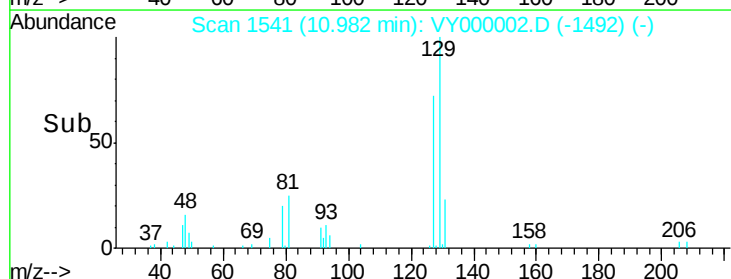
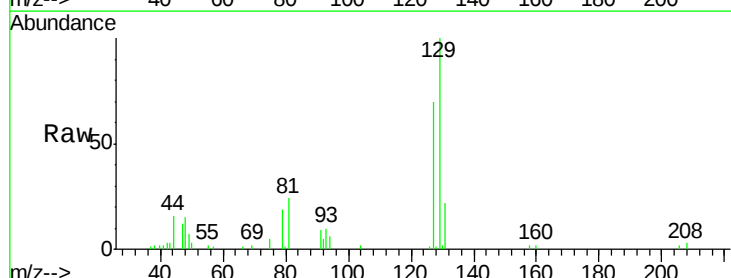
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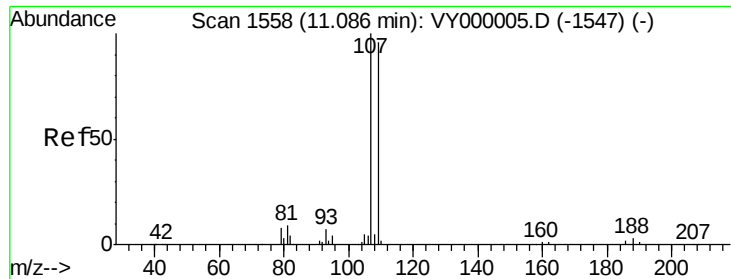
MMDadoda
9/13/2019 11:51:26 PM



#60
Dibromochloromethane
Concen: 4.918 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.2	117.6





#61

1,2-Dibromoethane

Concen: 5.364 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 6699

Ion Ratio Lower Upper

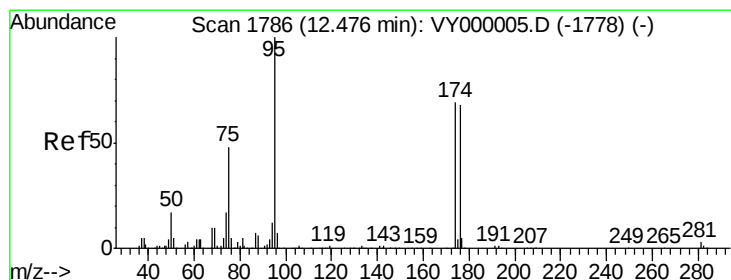
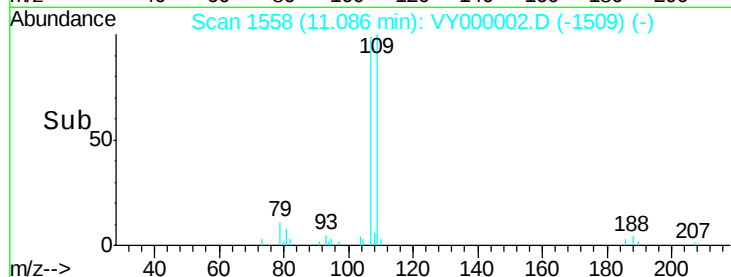
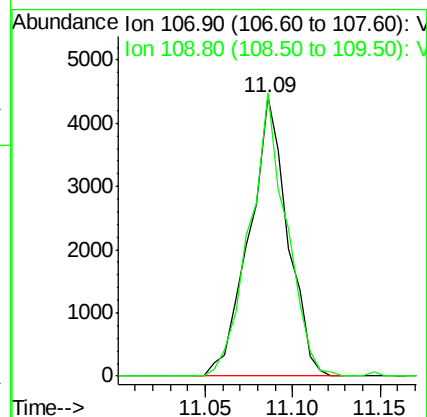
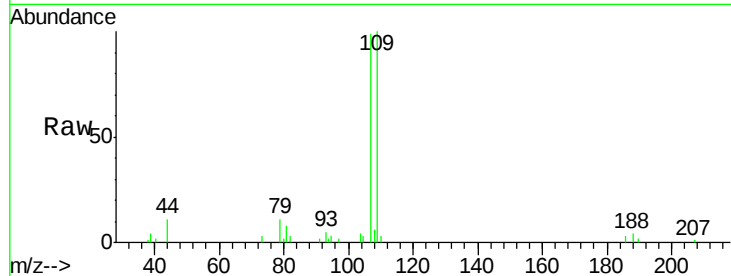
107 100

109 98.2 73.2 109.8

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#62

4-Bromofluorobenzene

Concen: 4.560 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

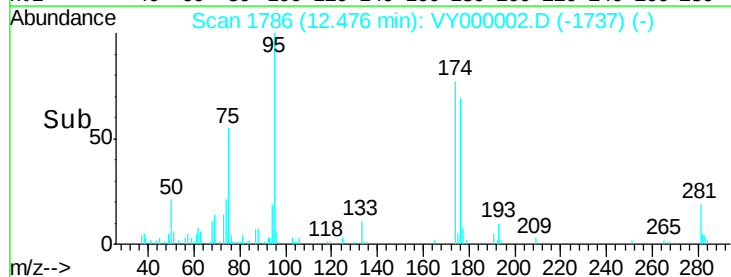
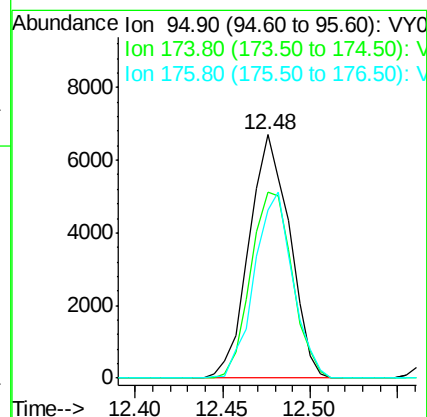
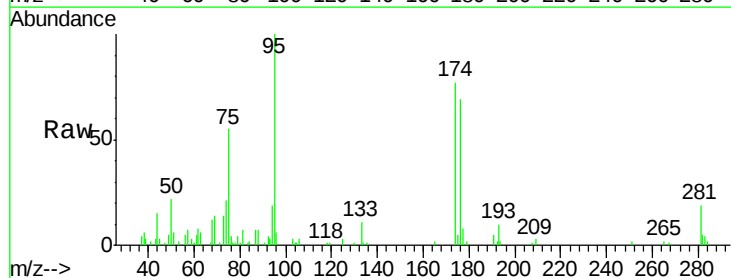
Tgt Ion: 95 Resp: 10816

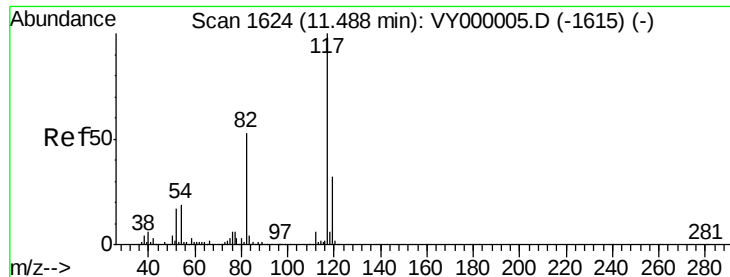
Ion Ratio Lower Upper

95 100

174 78.4 0.0 145.8

176 72.3 0.0 138.0





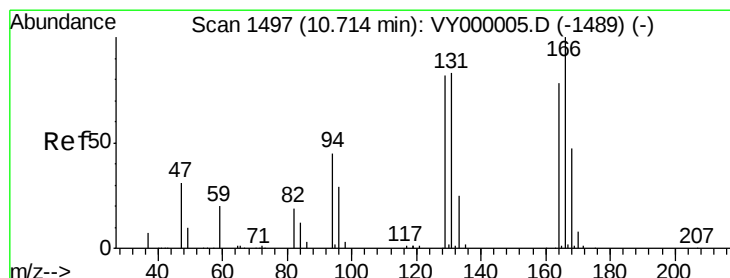
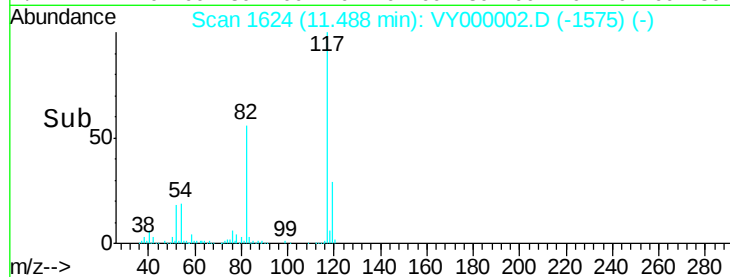
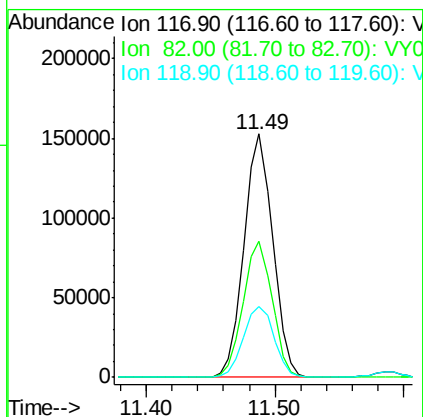
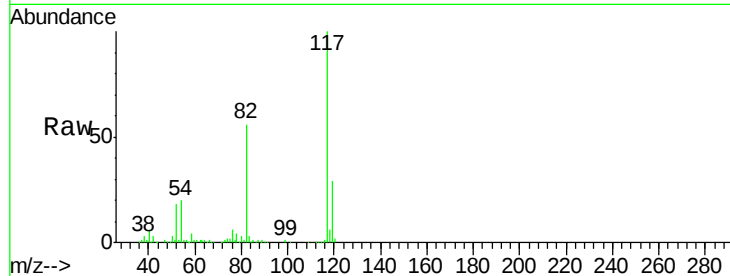
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	42.3	63.5
119	29.2	25.8	38.8

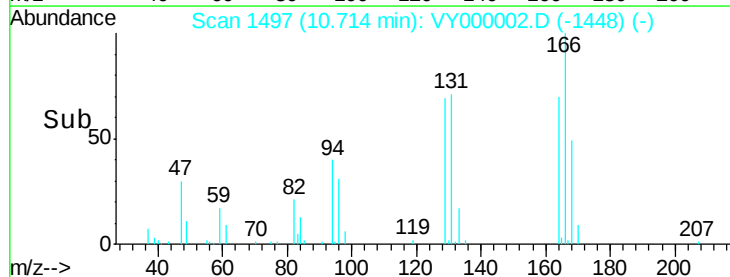
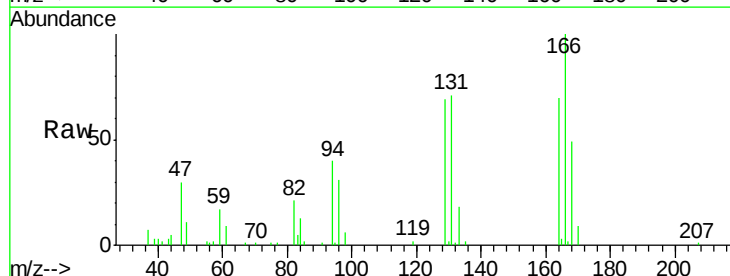
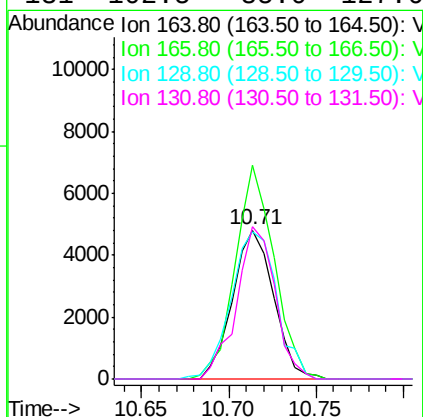
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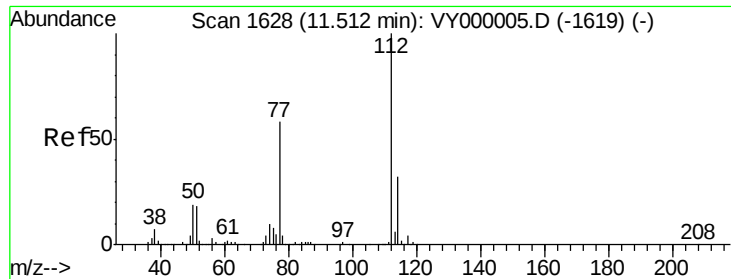
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#64
Tetrachloroethene
Concen: 5.622 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	143.6	102.5	153.7
129	98.9	83.8	125.8
131	102.5	85.0	127.6





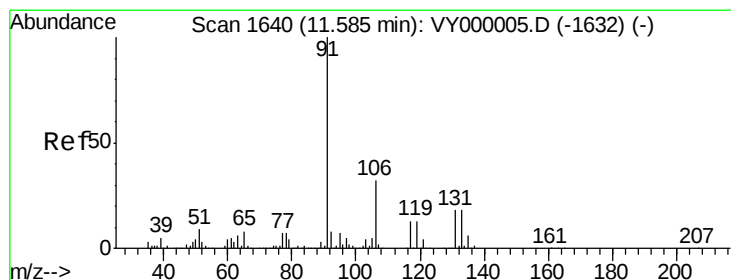
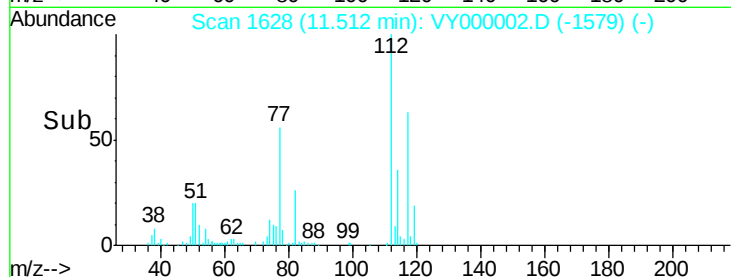
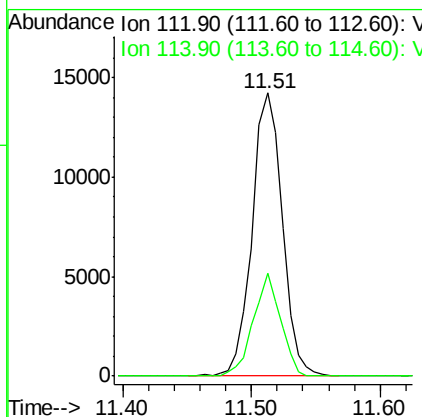
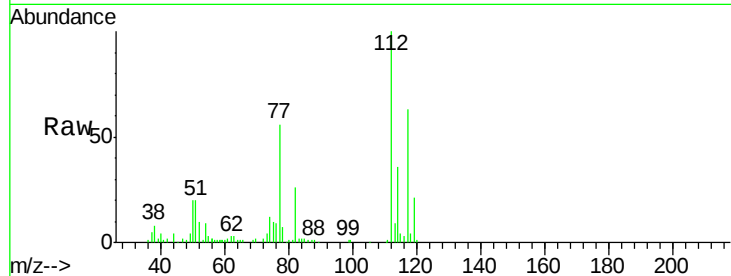
#65
Chlorobenzene
Concen: 5.225 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	36.2	25.4	38.2

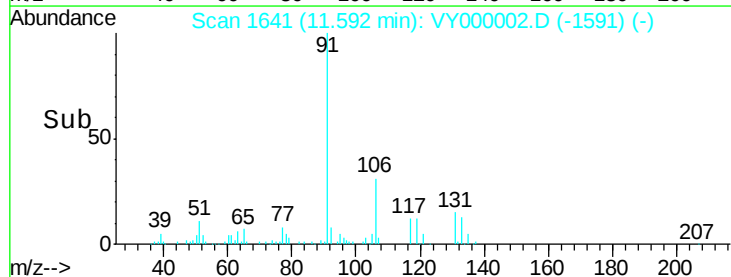
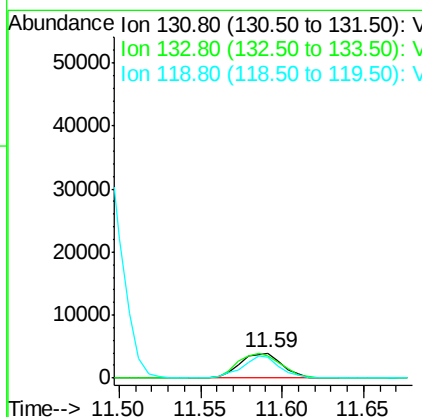
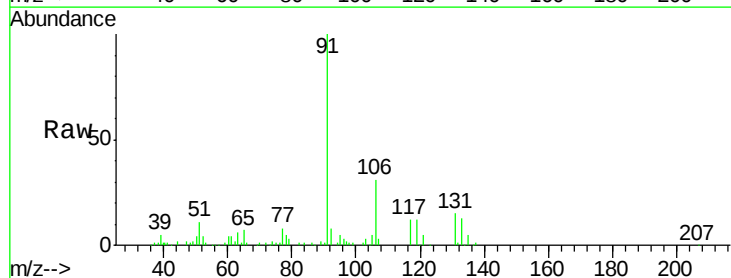
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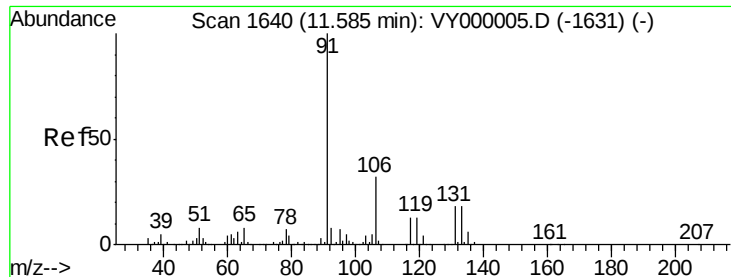
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.445 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. 0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	104.7	48.7	146.1
119	76.5	35.8	107.3





#67

Ethyl Benzene

Concen: 5.215 ug/l

RT: 11.59 min Scan# 1640

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 42514

Ion Ratio Lower Upper

91 100

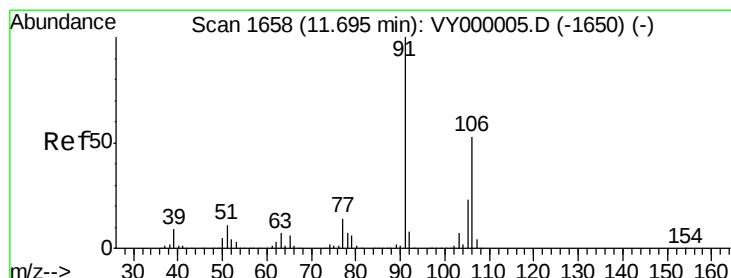
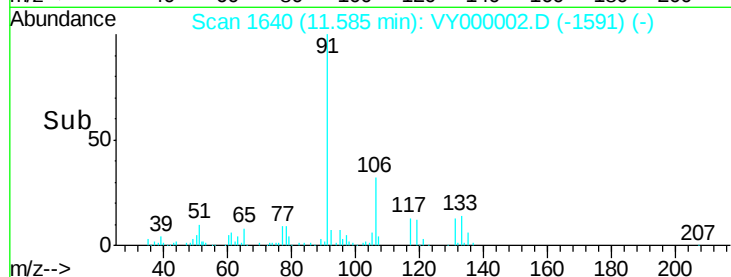
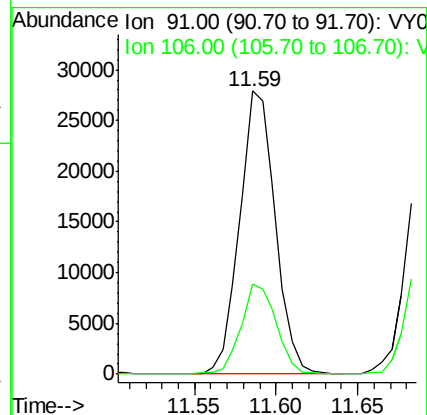
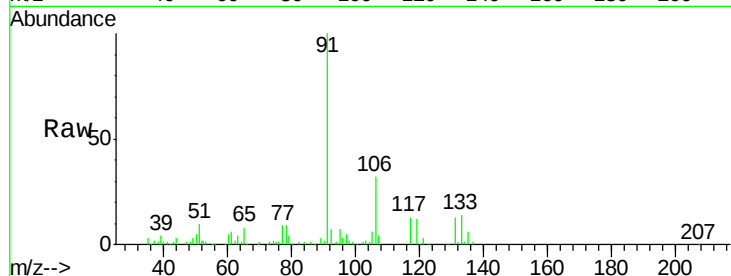
106 32.0 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 10.940 ug/l

RT: 11.70 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VY000002.D

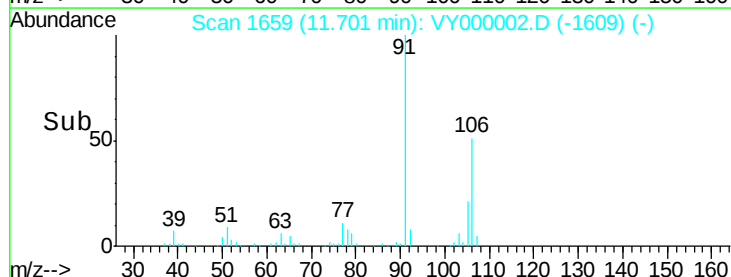
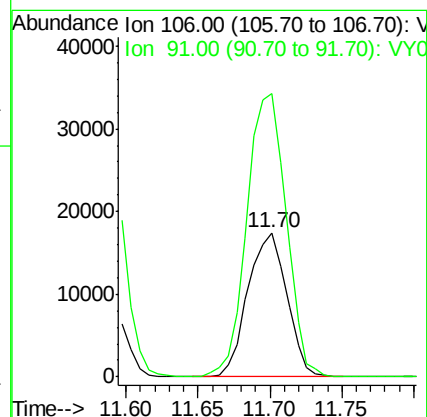
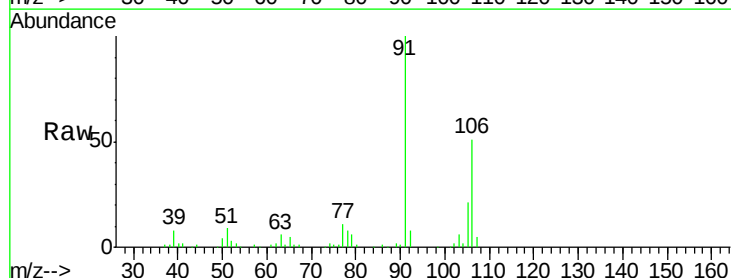
Acq: 11 Sep 2019 16:31

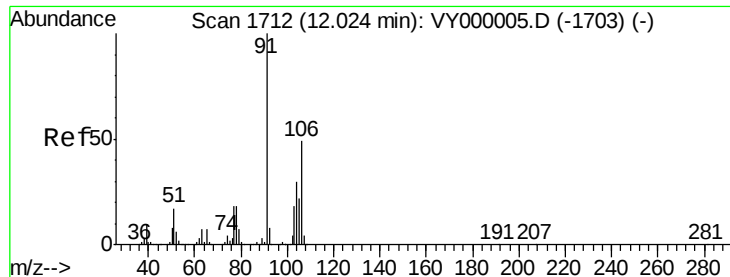
Tgt Ion: 106 Resp: 32682

Ion Ratio Lower Upper

106 100

91 198.0 157.1 235.7





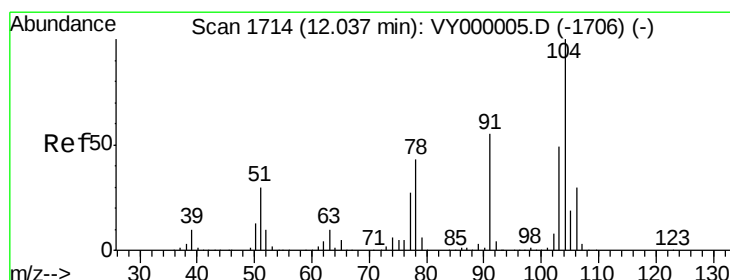
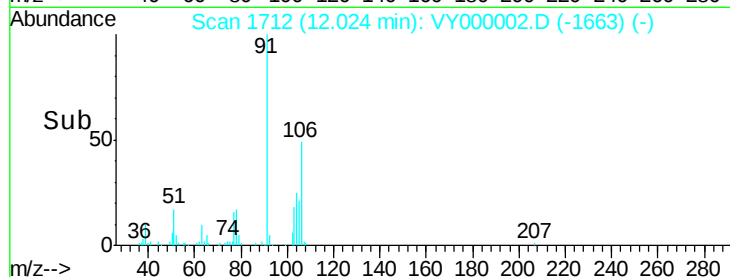
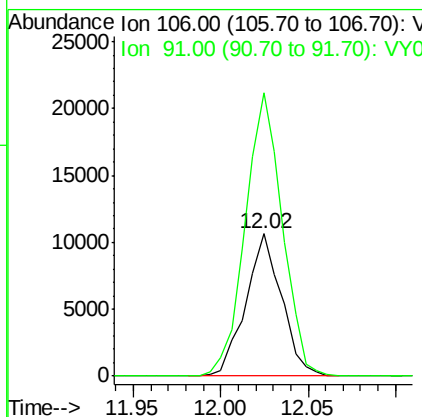
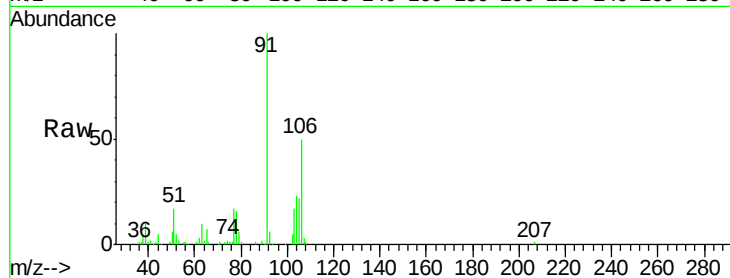
#69
o-Xylene
Concen: 5.391 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 15173
Ion Ratio Lower Upper
106 100
91 205.2 100.6 301.8

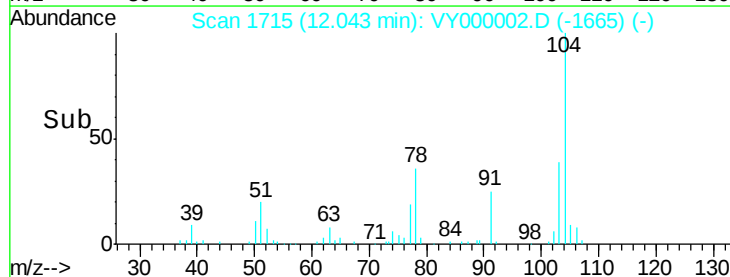
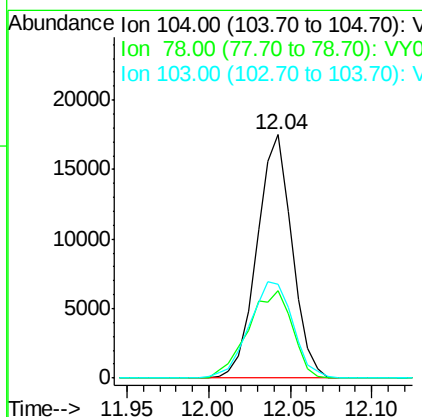
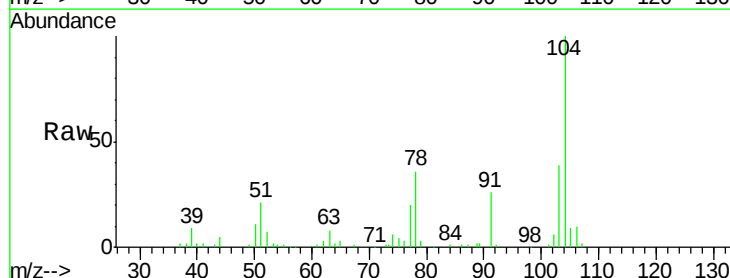
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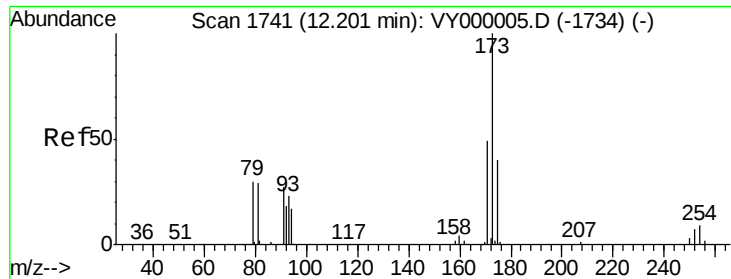
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#70
Styrene
Concen: 5.287 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion:104 Resp: 26166
Ion Ratio Lower Upper
104 100
78 45.4 37.6 56.4
103 49.7 42.6 63.8





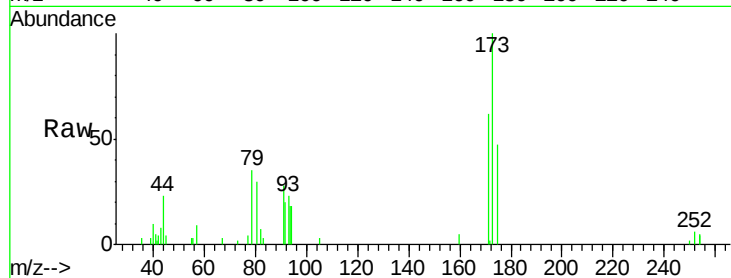
#71
Bromoform
Concen: 4.978 ug/l
RT: 12.20 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.8	71.5
254	0.0	0.0	0.0

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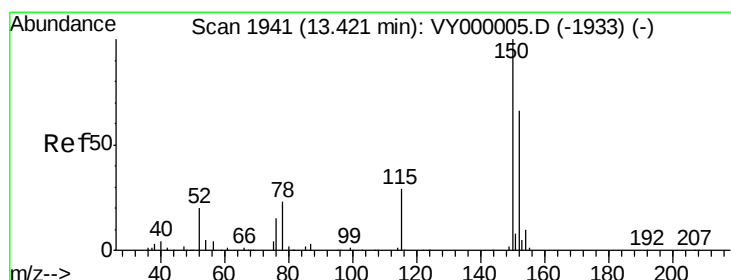
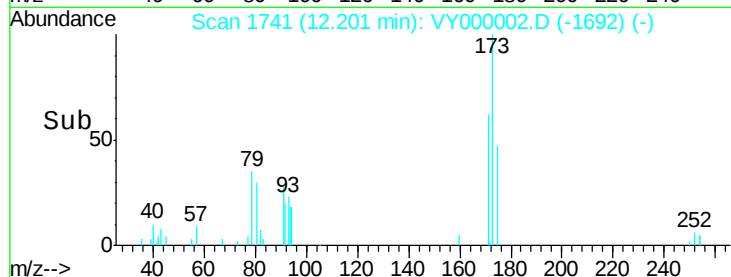
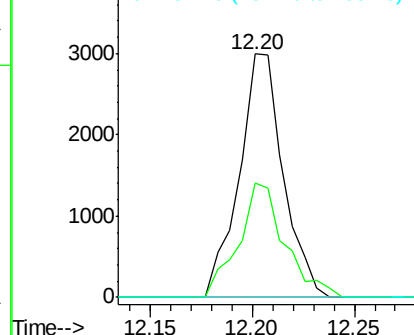


Abundance

Ion 172.70 (172.40 to 173.40): V

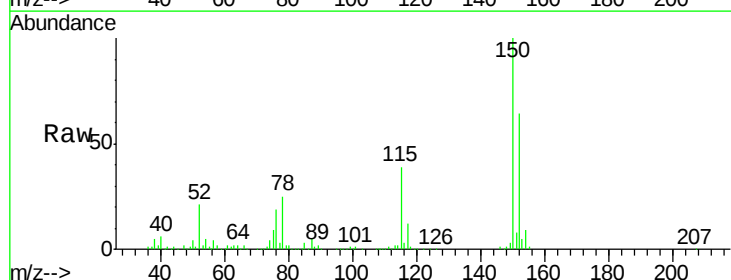
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	30.3	91.0
150	160.6	0.0	347.4

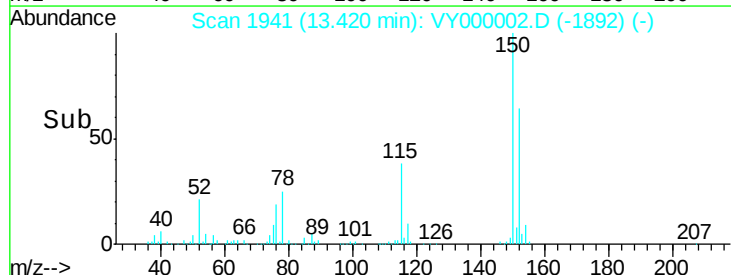
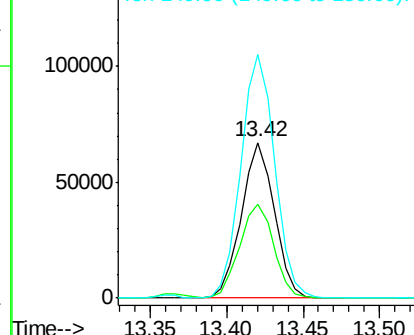


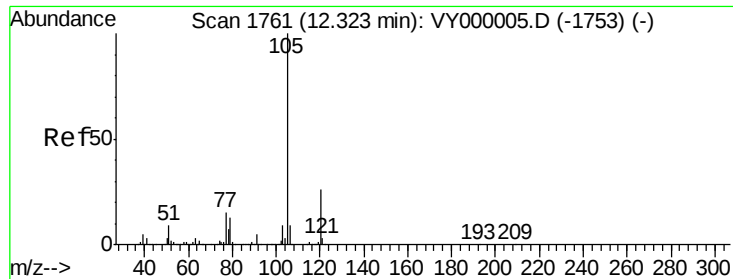
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.551 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. 0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 39744

Ion Ratio Lower Upper

105 100

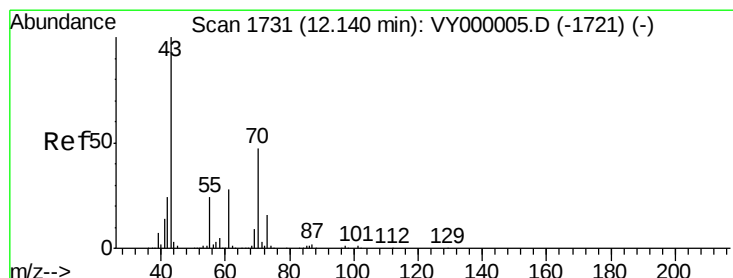
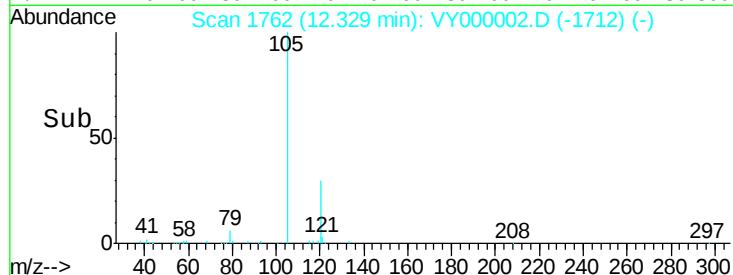
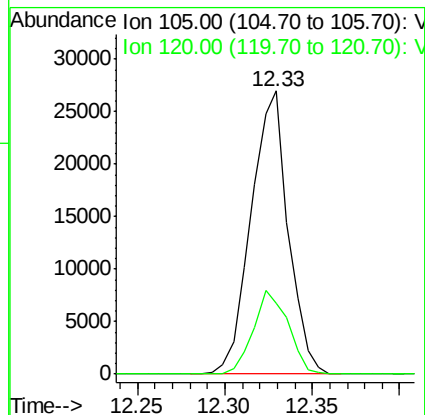
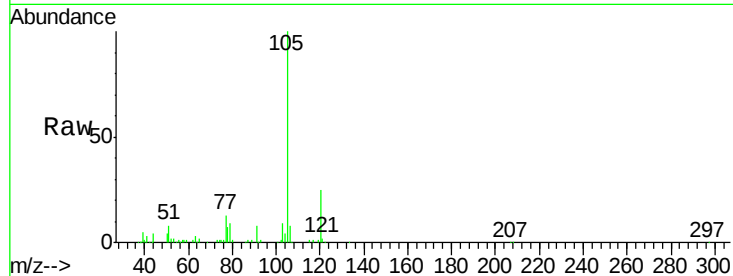
120 27.9 13.5 40.4

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#74

N-ethyl acetate

Concen: 4.882 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Tgt Ion: 43 Resp: 10871

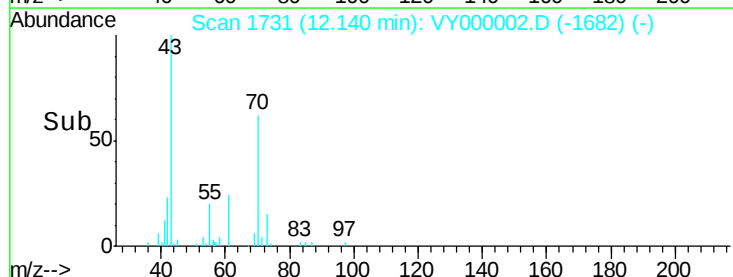
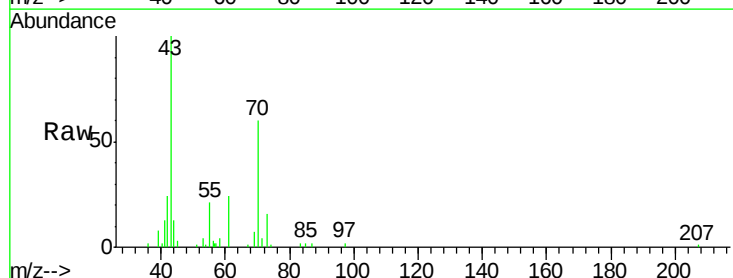
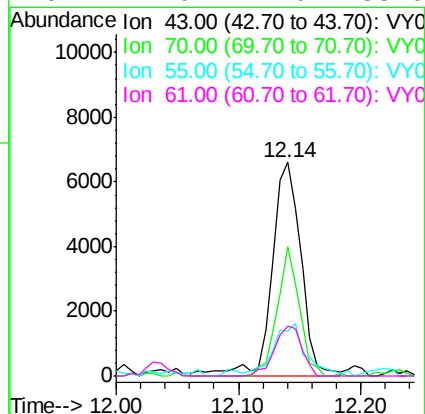
Ion Ratio Lower Upper

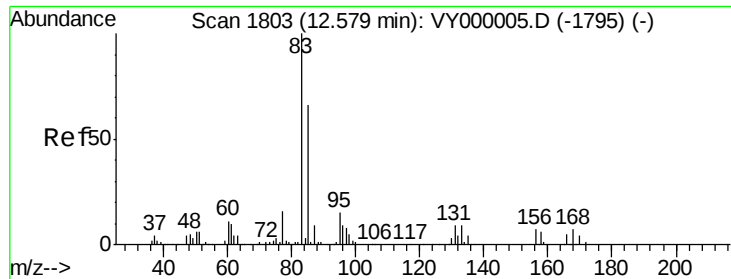
43 100

70 45.6 38.1 57.1

55 27.2 19.9 29.9

61 22.0 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 6.494 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

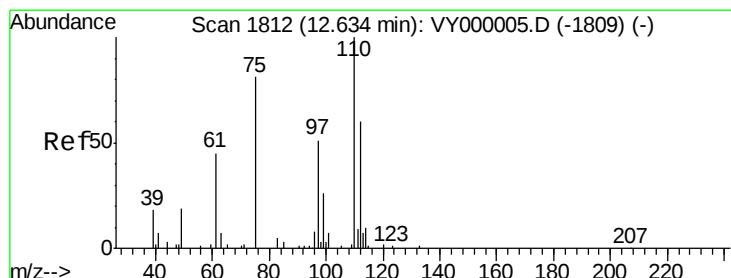
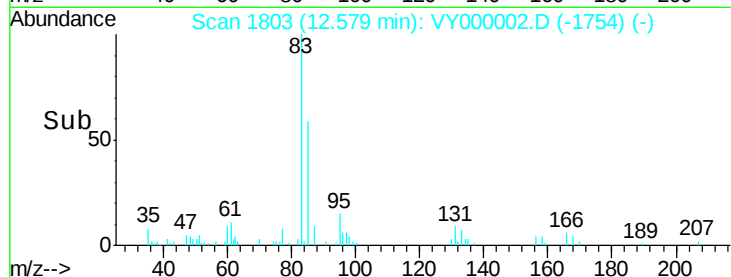
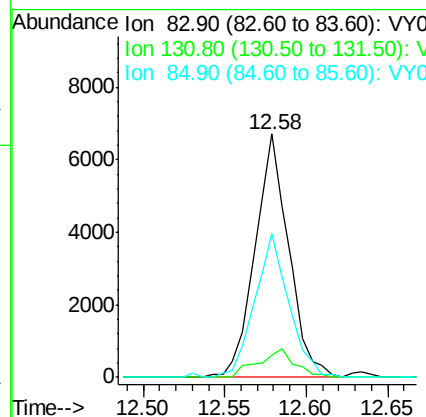
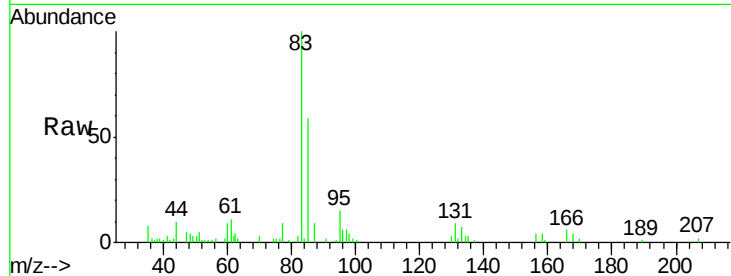
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	9647
Ion	Ratio	Lower	Upper
83	100		
131	12.7	5.0	14.9
85	59.9	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.175 ug/l m

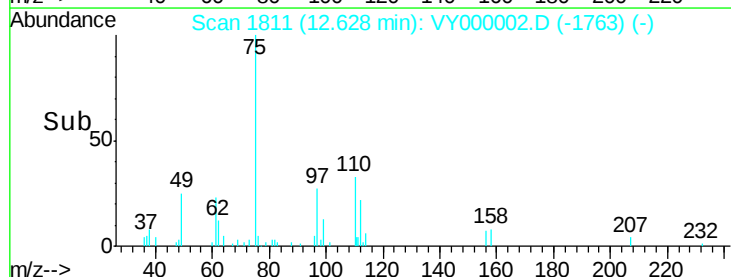
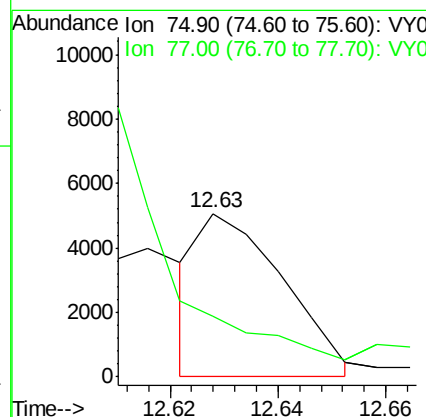
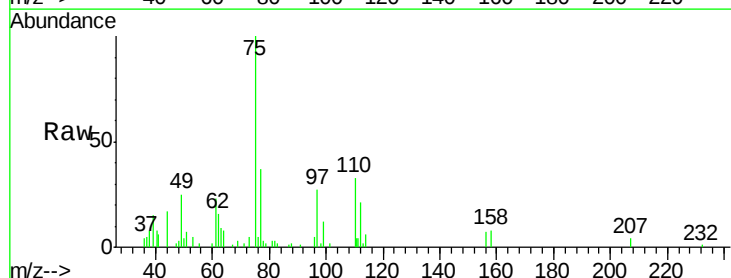
RT: 12.63 min Scan# 1811

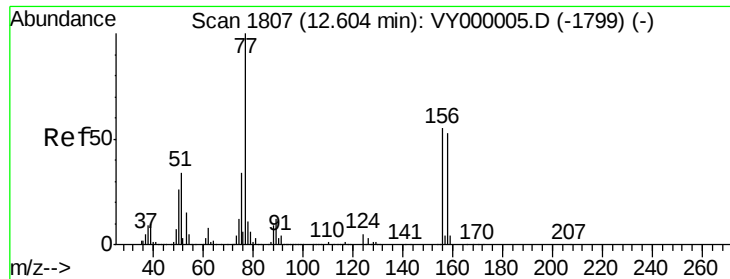
Delta R.T. -0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Tgt Ion:	75	Resp:	5494
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.348 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 8622

Ion Ratio Lower Upper

156 100

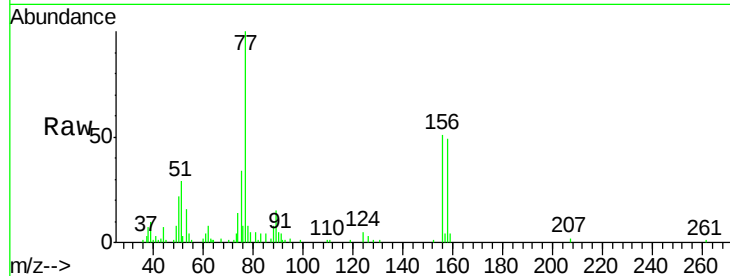
77 217.1 106.5 319.6

158 90.7 48.2 144.6

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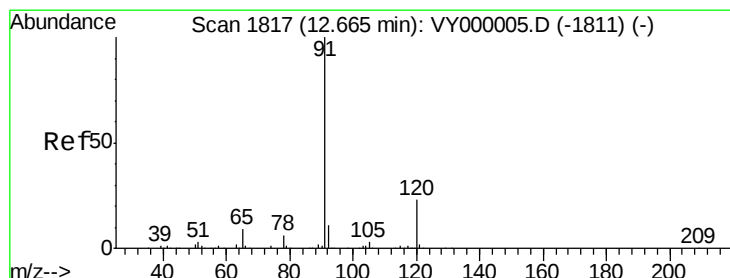
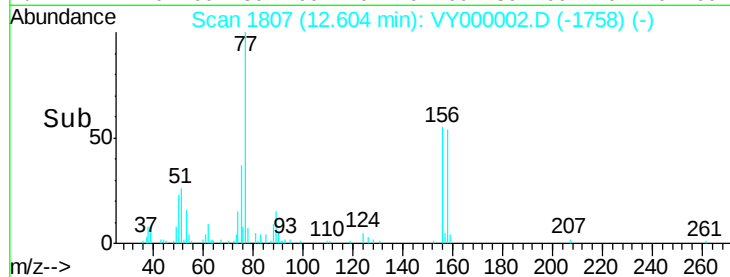
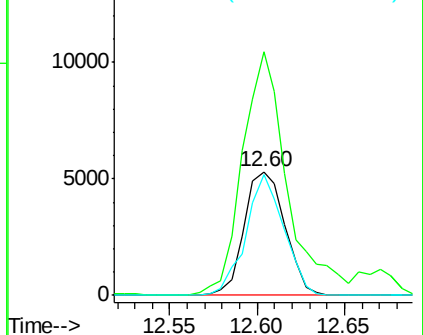
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.583 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000002.D

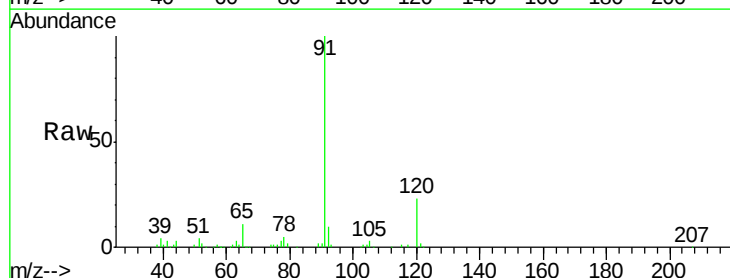
Acq: 11 Sep 2019 16:31

Tgt Ion: 91 Resp: 48097

Ion Ratio Lower Upper

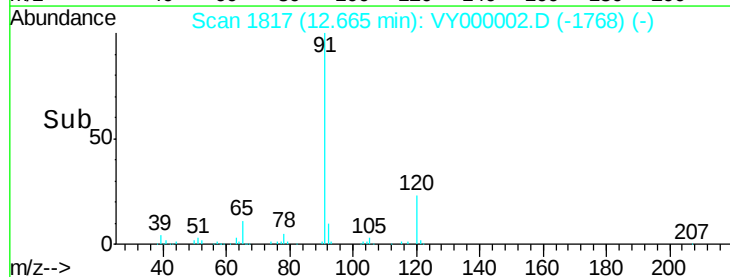
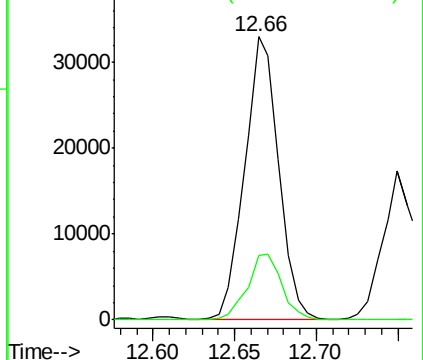
91 100

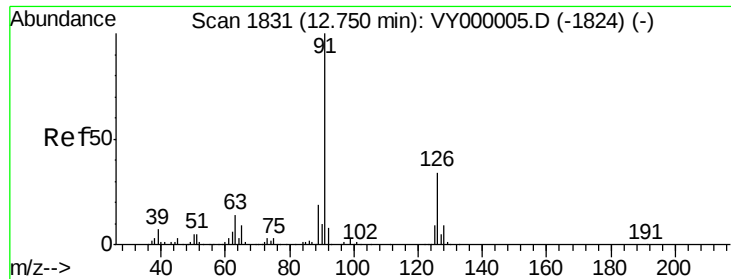
120 23.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





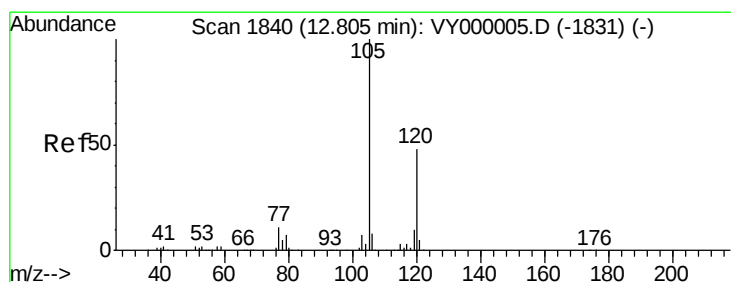
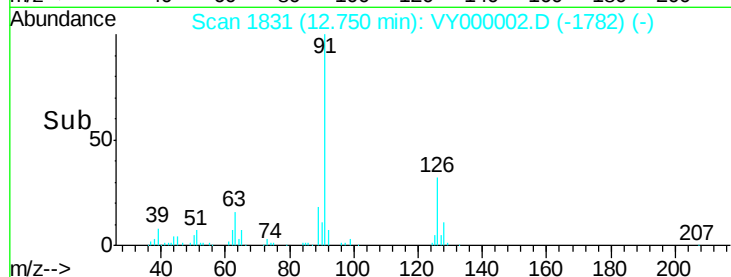
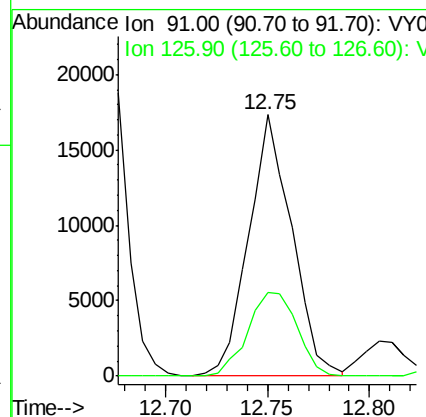
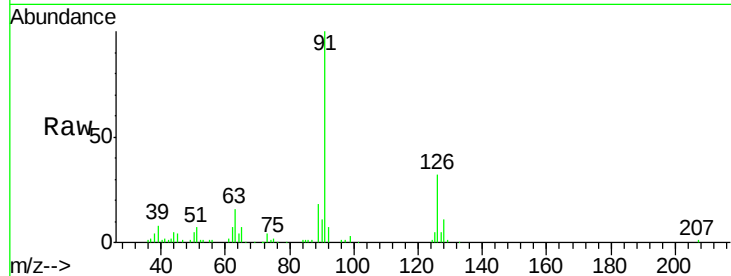
#79
 2-Chlorotoluene
 Concen: 5.182 ug/l
 RT: 12.75 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 25479
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.2 51.6

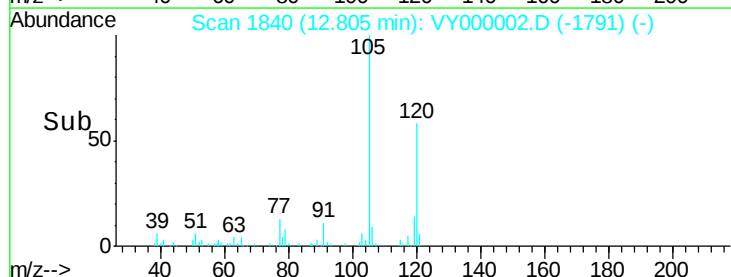
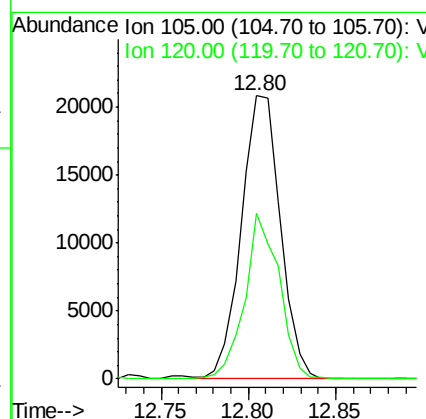
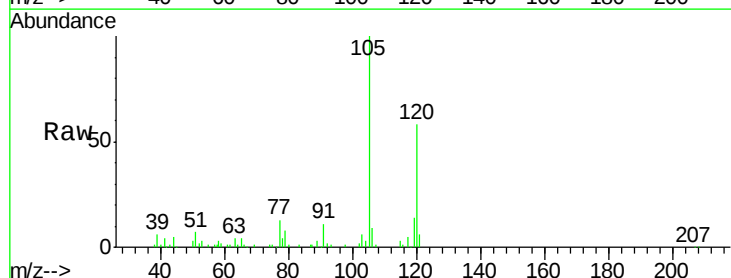
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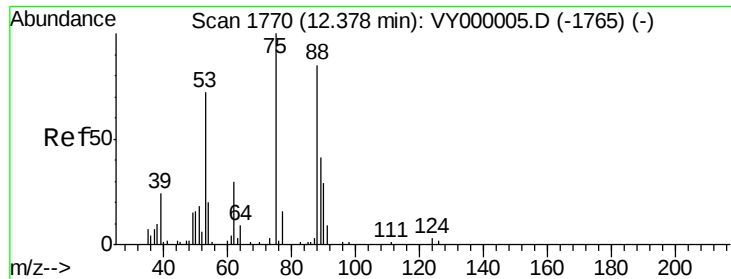
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.365 ug/l
 RT: 12.80 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Tgt Ion: 105 Resp: 32311
 Ion Ratio Lower Upper
 105 100
 120 51.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 7.507 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

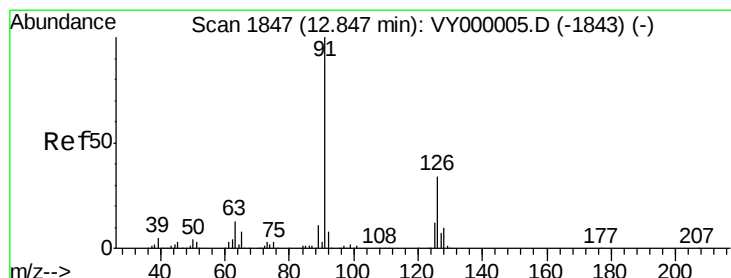
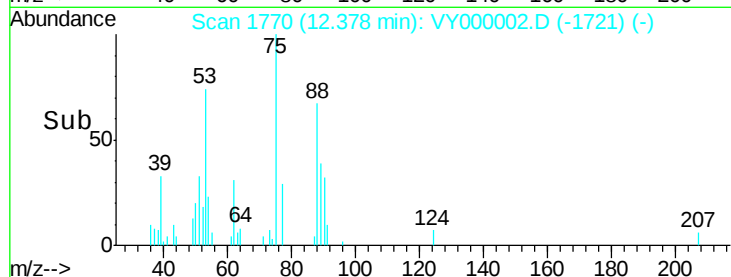
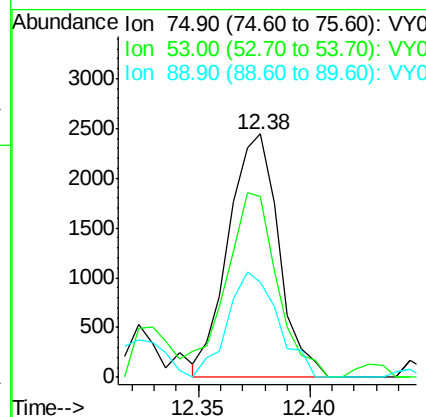
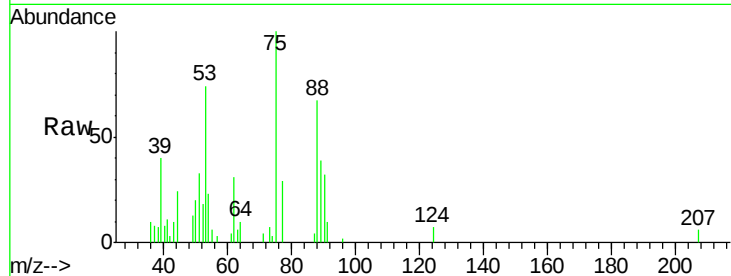
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3841
Ion	Ratio	Lower	Upper
75	100		
53	77.9	63.0	94.6
89	43.1	34.6	52.0

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#82

4-Chlorotoluene

Concen: 5.161 ug/l

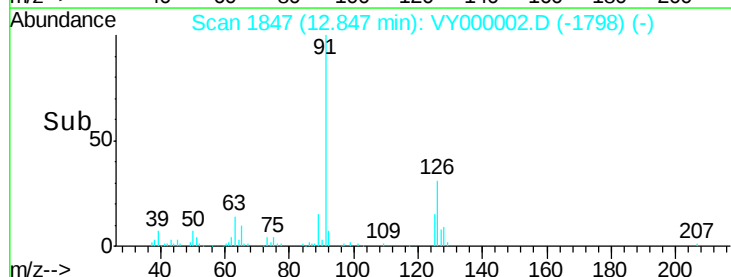
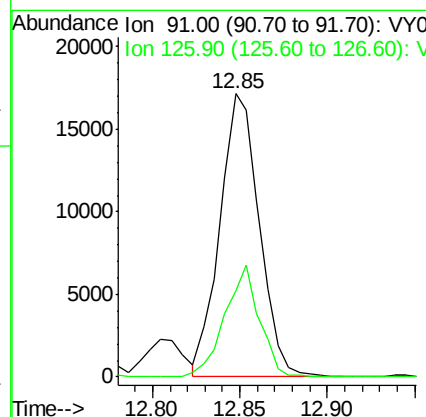
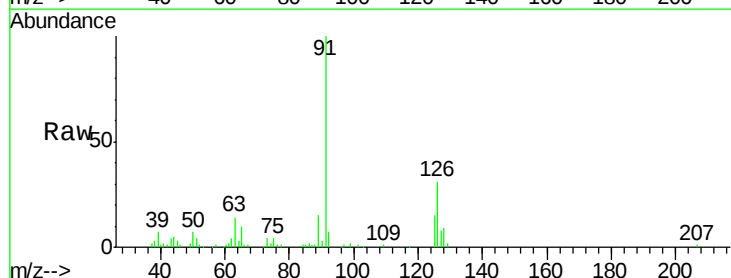
RT: 12.85 min Scan# 1847

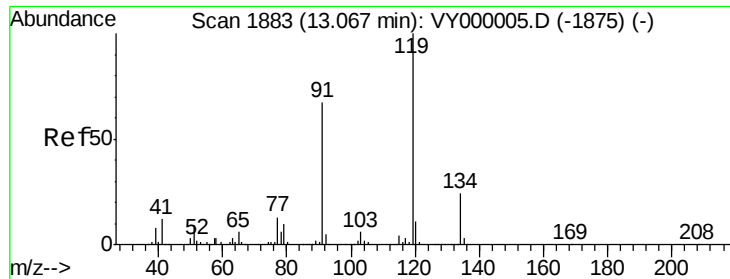
Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Tgt Ion:	91	Resp:	26842
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.0	50.9





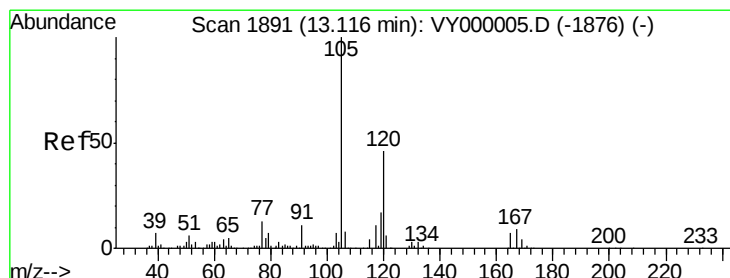
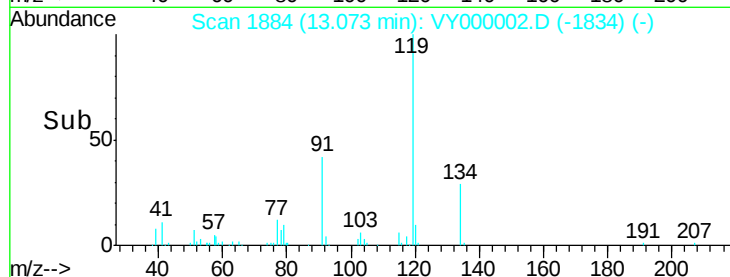
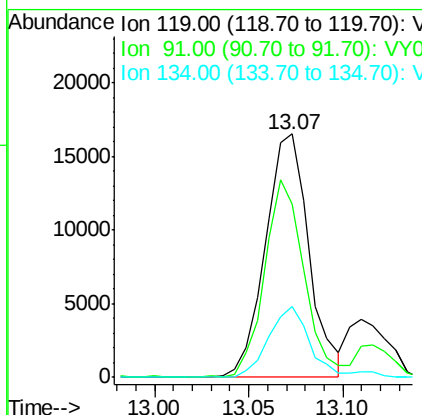
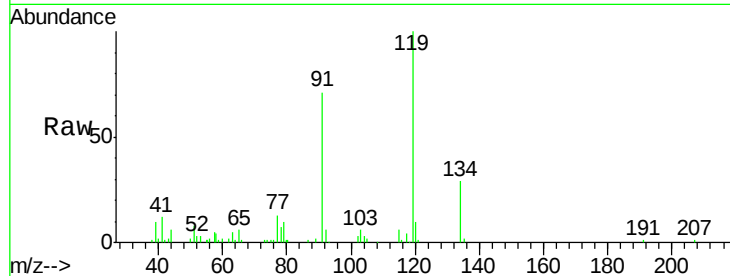
#83
 tert-Butylbenzene
 Concen: 5.016 ug/l
 RT: 13.07 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.1	33.6	100.8
134	28.0	13.7	41.0

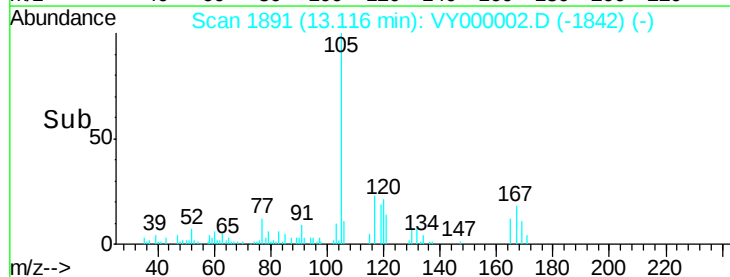
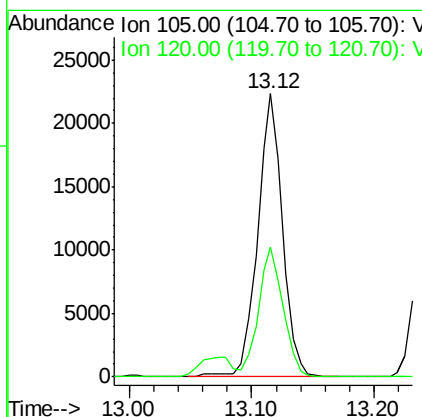
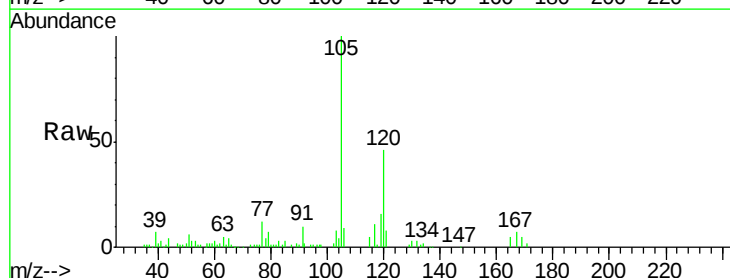
Manual Integrations
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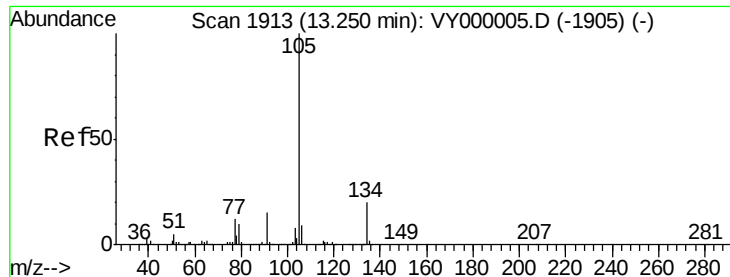
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.187 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.8	68.3





#85

sec-Butylbenzene

Concen: 5.665 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 42097

Ion Ratio Lower Upper

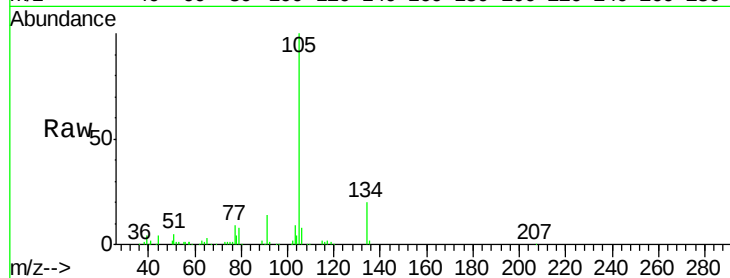
105 100

134 18.8 9.9 29.7

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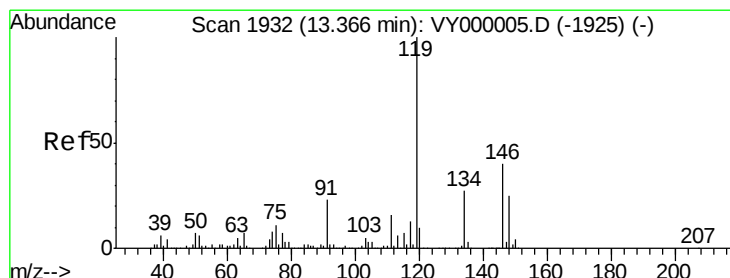
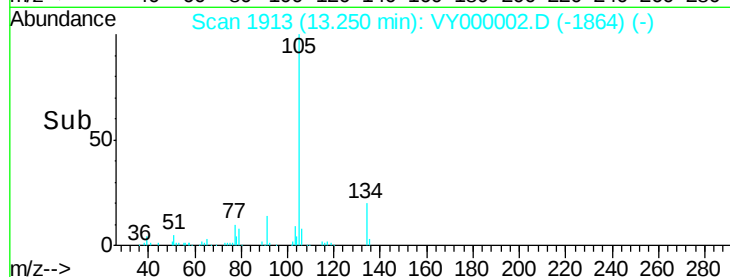
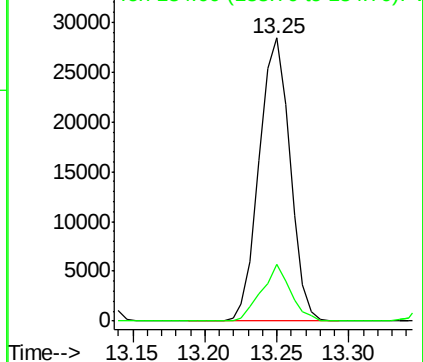
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.098 ug/l

RT: 13.36 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

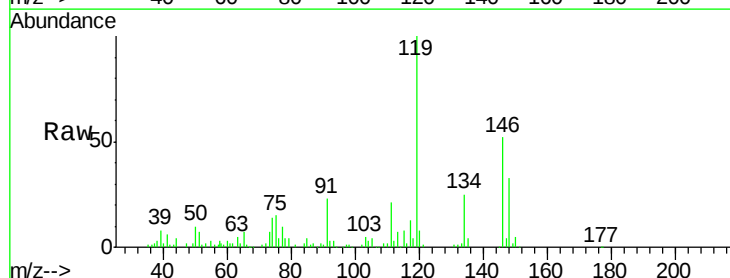
Tgt Ion:119 Resp: 34150

Ion Ratio Lower Upper

119 100

134 24.9 13.7 41.1

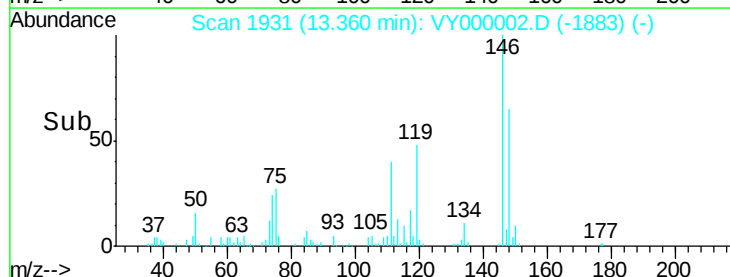
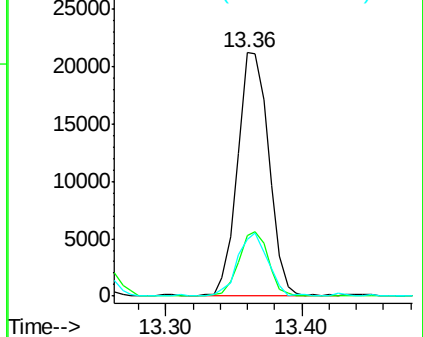
91 25.1 12.2 36.6

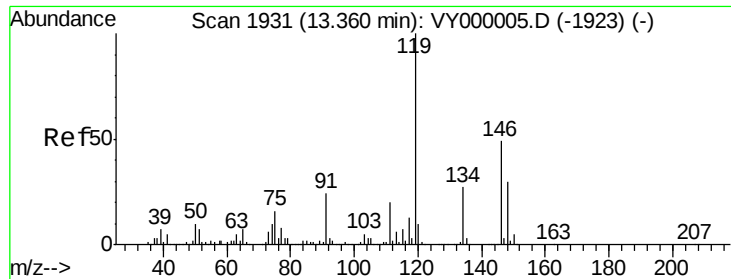


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 4.993 ug/l

RT: 13.36 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Instrument :

MSVOA_Y

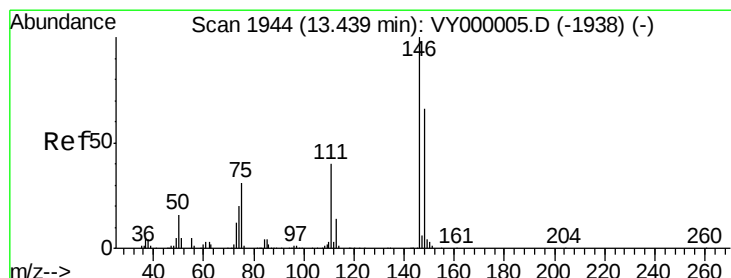
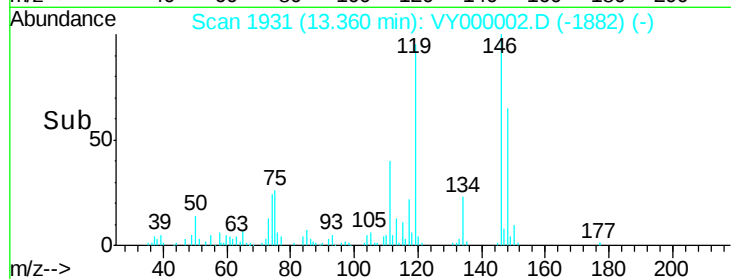
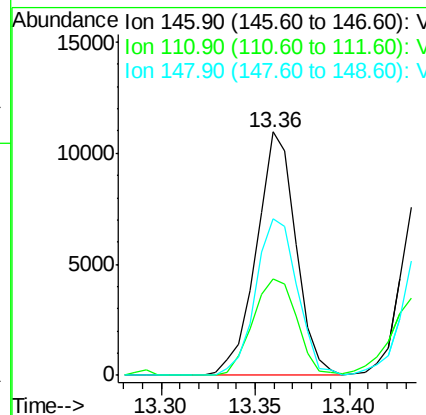
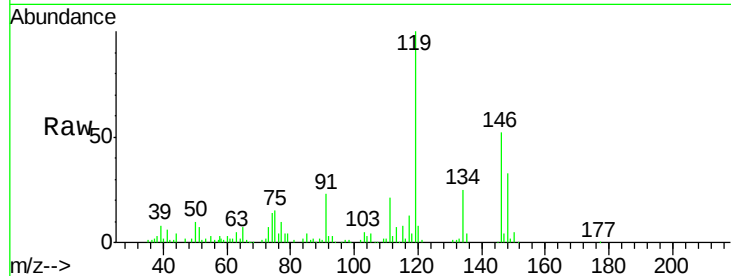
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	15910
Ion Ratio	Lower	Upper	
146	100		
111	44.4	20.6	61.9
148	67.6	31.3	93.9

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#88

1,4-Dichlorobenzene

Concen: 5.094 ug/l

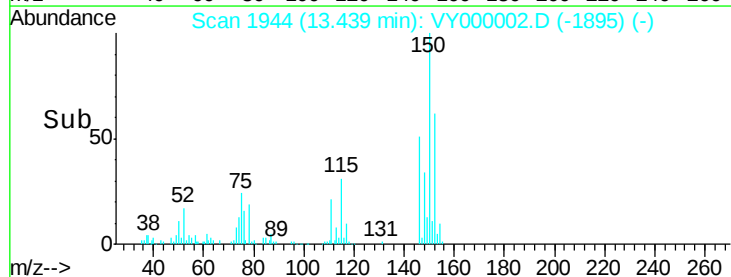
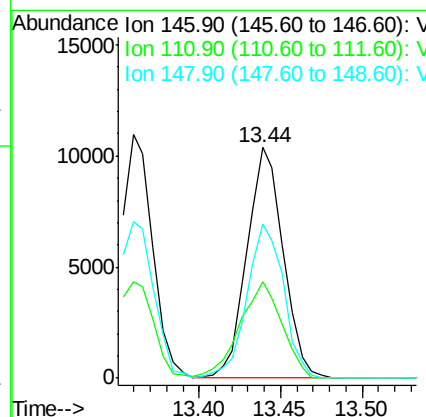
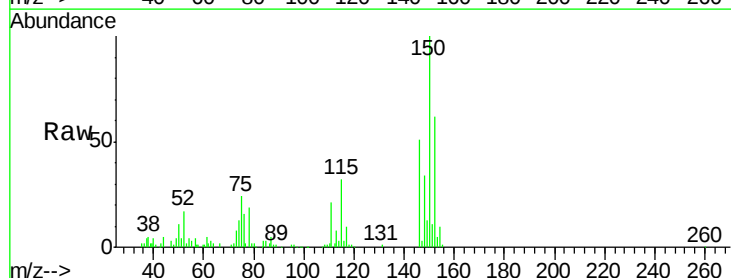
RT: 13.44 min Scan# 1944

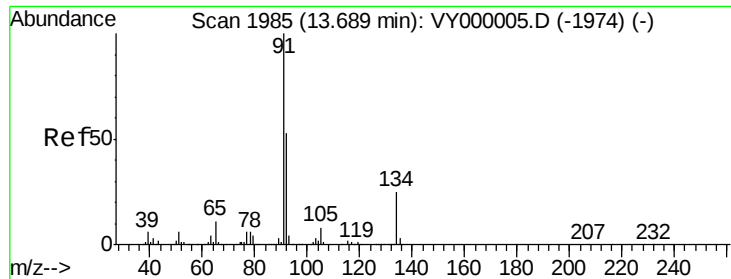
Delta R.T. -0.00 min

Lab File: VY000002.D

Acq: 11 Sep 2019 16:31

Tgt Ion:	146	Resp:	16121
Ion Ratio	Lower	Upper	
146	100		
111	48.2	20.3	60.9
148	67.3	31.9	95.7





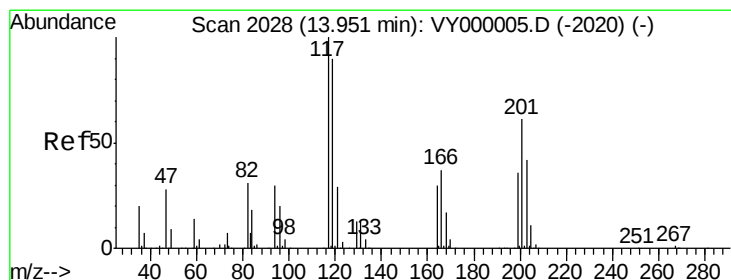
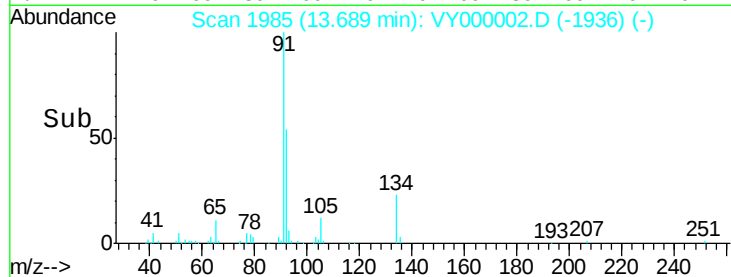
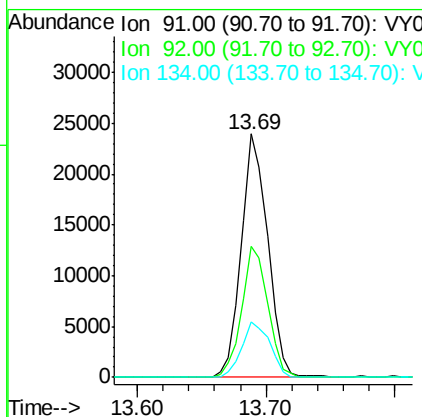
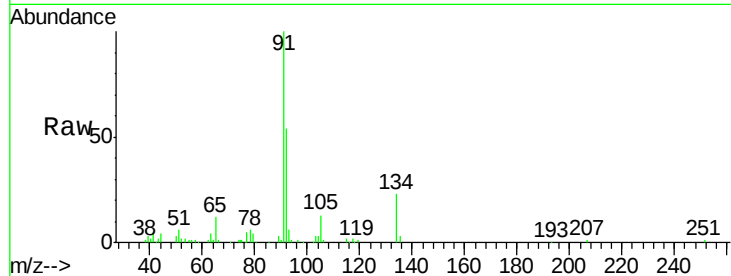
#89
n-Butylbenzene
Concen: 5.182 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.0	80.8
134	24.0	12.7	38.0

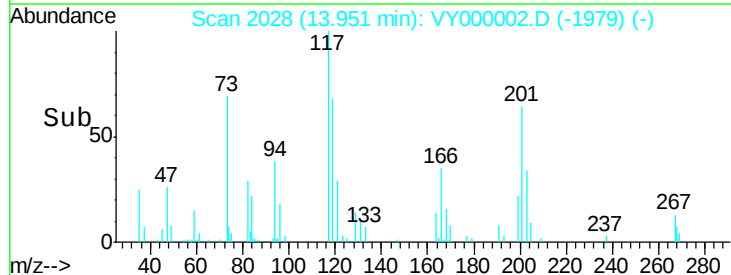
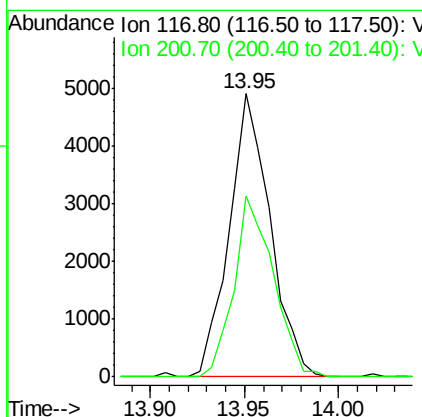
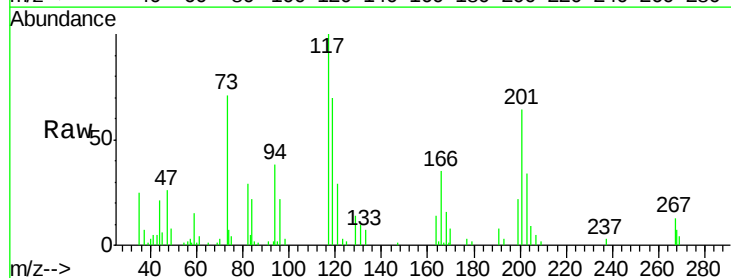
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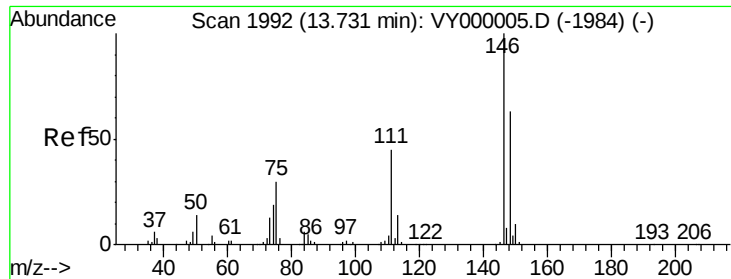
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#90
Hexachloroethane
Concen: 6.198 ug/l
RT: 13.95 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.6	32.3	96.8





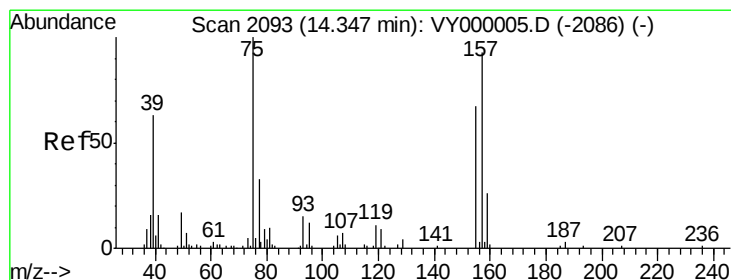
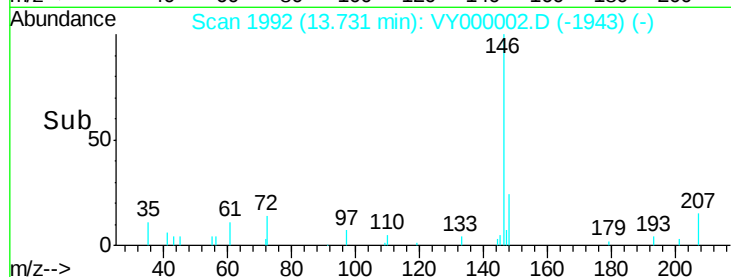
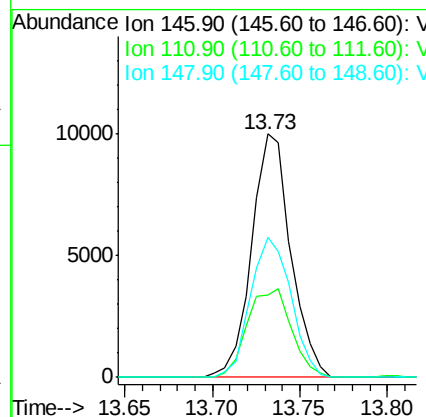
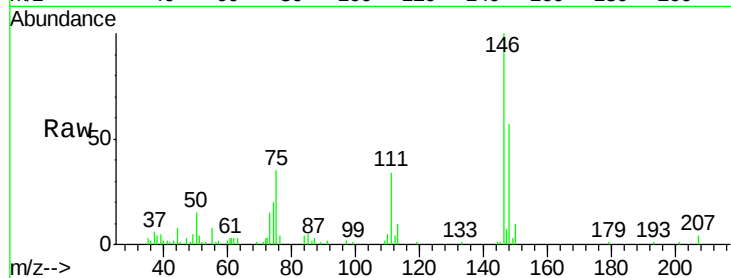
#91
 1,2-Dichlorobenzene
 Concen: 5.391 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.9	65.5
148	59.7	31.9	95.5

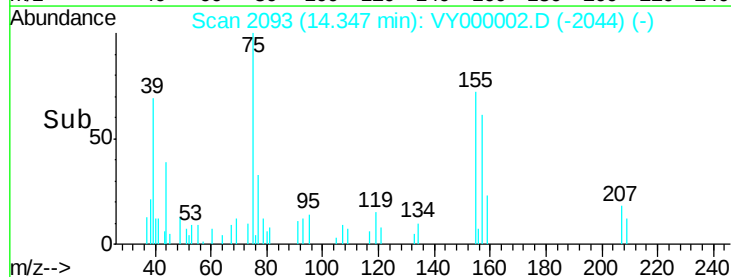
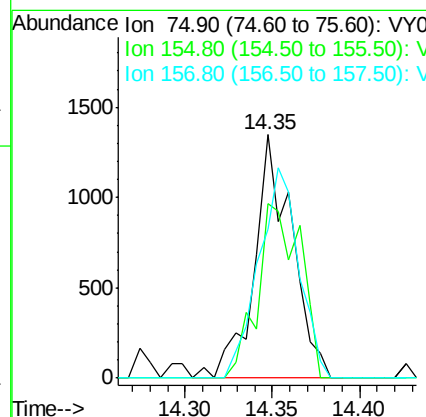
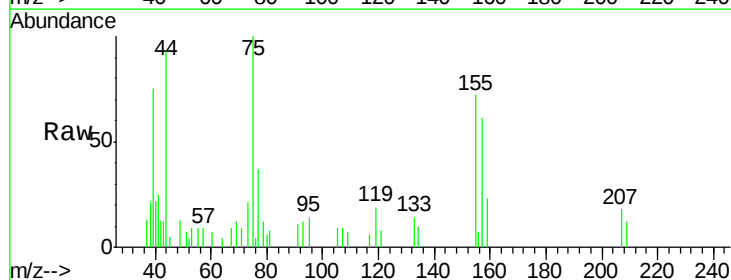
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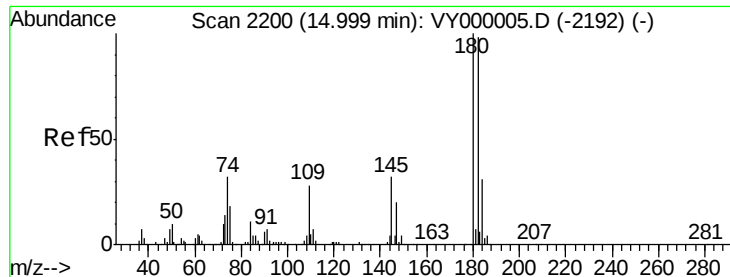
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.329 ug/l
 RT: 14.35 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	41.4	124.2
157	92.9	52.8	158.4





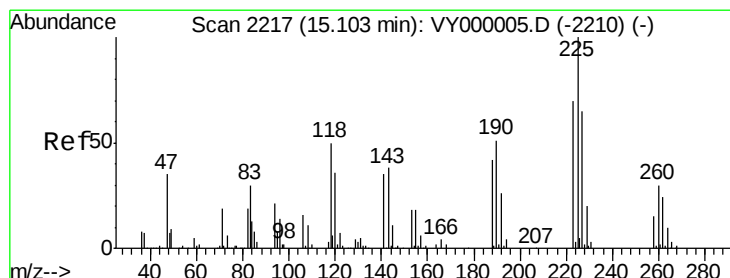
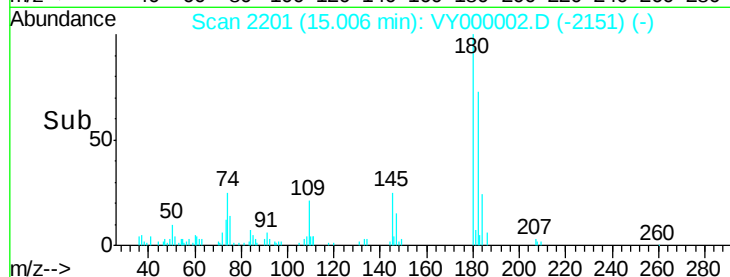
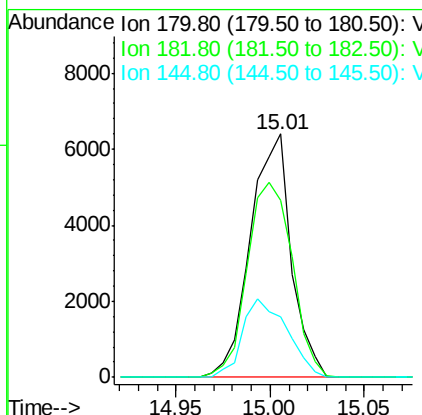
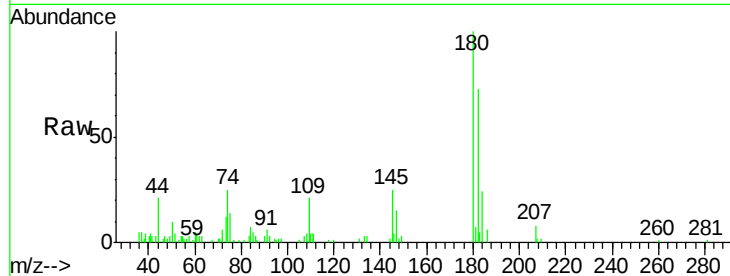
#93
 1,2,4-Trichlorobenzene
 Concen: 4.946 ug/l
 RT: 15.01 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	9600		
182	88.8		48.4	145.2
145	35.3		17.2	51.6

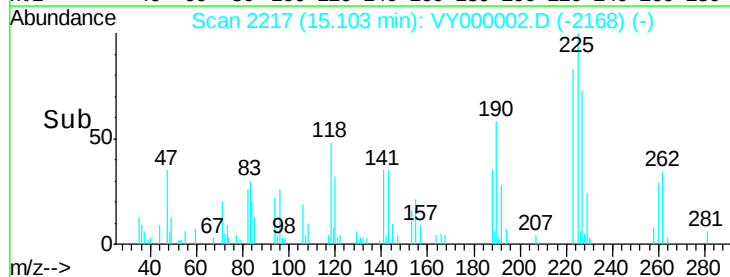
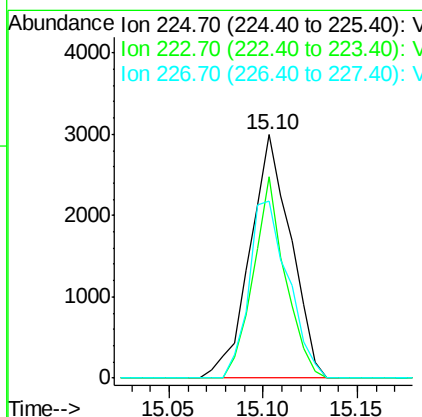
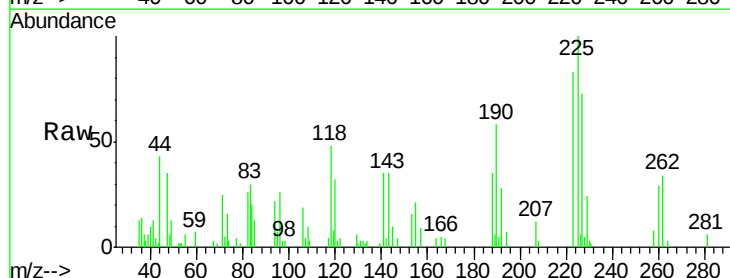
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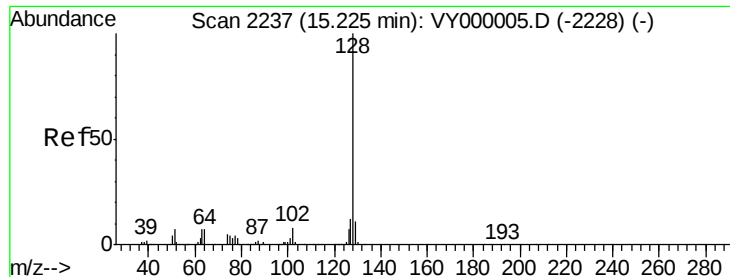
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#94
 Hexachlorobutadiene
 Concen: 3.481 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000002.D
 Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	4484		
223	64.9		32.3	96.8
227	70.5		31.8	95.4





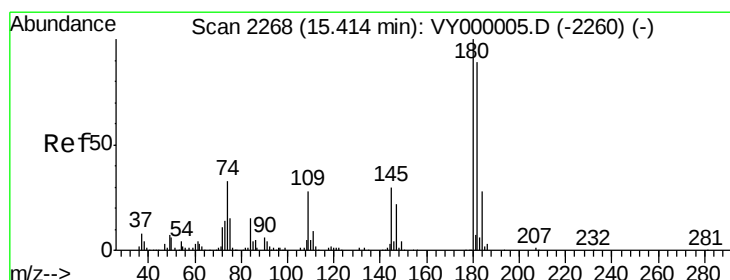
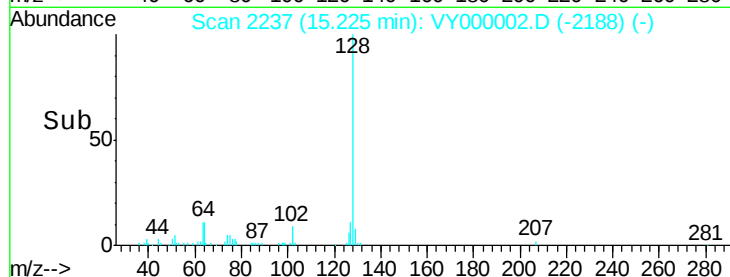
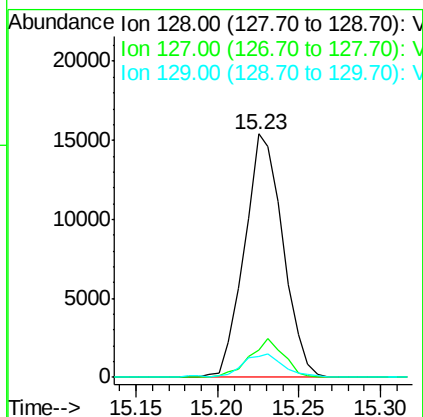
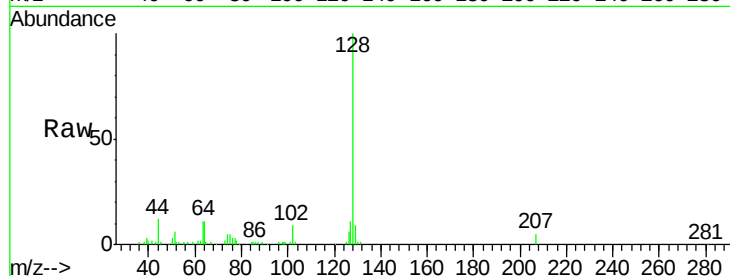
#95
Naphthalene
Concen: 6.538 ug/l
RT: 15.23 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	9.8	14.8
129	10.1	8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 4.504 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VY000002.D
Acq: 11 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	108.8	46.1	138.2
145	41.2	16.2	48.6

