

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000019.D
 Acq On : 12 Sep 2019 11:32
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.00ml
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:53:50 PM

Quant Time: Sep 12 15:45:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 15:35:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	141700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	266096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	229798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	99619	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	16721	10.95	ug/l	0.00
Spiked Amount						
			Recovery	=	21.90%	
35) Dibromofluoromethane	7.72	113	16835	11.03	ug/l	0.00
Spiked Amount						
			Recovery	=	22.06%	
50) Toluene-d8	10.18	98	63095	10.27	ug/l	0.00
Spiked Amount						
			Recovery	=	20.54%	
62) 4-Bromofluorobenzene	12.48	95	24514	10.97	ug/l	0.00
Spiked Amount						
			Recovery	=	21.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	11389	10.899	ug/l	91
3) Chloromethane	2.11	50	20170	11.866	ug/l	100
4) Vinyl Chloride	2.25	62	16153	10.194	ug/l	94
5) Bromomethane	2.63	94	11407	11.326	ug/l	86
6) Chloroethane	2.78	64	10160	9.631	ug/l	91
7) Trichlorofluoromethane	3.12	101	21945	10.658	ug/l	99
8) Diethyl Ether	3.53	74	8813	10.415	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.89	101	15106	10.781	ug/l	98
10) Methyl Iodide	4.09	142	13983	9.126	ug/l	98
11) Tert butyl alcohol	4.98	59	10453	53.865	ug/l #	83
12) 1,1-Dichloroethene	3.87	96	13893	10.639	ug/l	94
13) Acrolein	3.73	56	9082	62.383	ug/l	98
14) Allyl chloride	4.48	41	22364	11.030	ug/l	96
15) Acrylonitrile	5.17	53	27699	51.593	ug/l	99
16) Acetone	3.95	43	23278	55.003	ug/l #	85
17) Carbon Disulfide	4.19	76	25724	9.782	ug/l	96
18) Methyl Acetate	4.48	43	11685	9.812	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	41153	10.405	ug/l	92
20) Methylene Chloride	4.71	84	17836	10.571	ug/l #	90
21) trans-1,2-Dichloroethene	5.22	96	15186	10.503	ug/l #	82
22) Diisopropyl ether	6.13	45	45395	10.142	ug/l	94
23) Vinyl Acetate	6.06	43	155264	50.144	ug/l	99
24) 1,1-Dichloroethane	6.02	63	27248	10.273	ug/l	95
25) 2-Butanone	6.99	43	34862	50.677	ug/l	90
26) 2,2-Dichloropropane	6.98	77	26305	10.676	ug/l	98
27) cis-1,2-Dichloroethene	6.98	96	18438	10.107	ug/l	90
28) Bromochloromethane	7.34	49	11541	9.475	ug/l #	100
29) Tetrahydrofuran	7.36	42	20783	50.786	ug/l	98
30) Chloroform	7.51	83	29384	10.743	ug/l	98
31) Cyclohexane	7.78	56	23806	10.769	ug/l #	81
32) 1,1,1-Trichloroethane	7.71	97	23680	10.554	ug/l	98
36) 1,1-Dichloropropene	7.92	75	21370	10.938	ug/l	98
37) Ethyl Acetate	7.08	43	11764	8.929	ug/l #	91
38) Carbon Tetrachloride	7.90	117	19008	10.307	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	24439	10.125	ug/l	94
40) Benzene	8.16	78	64615	10.158	ug/l	98
41) Methacrylonitrile	7.32	41	8184	4.783	ug/l	97
42) 1,2-Dichloroethane	8.24	62	15922	9.795	ug/l	95
43) Isopropyl Acetate	8.27	43	25645	10.045	ug/l #	91
44) Trichloroethene	8.94	130	16081	10.125	ug/l	90
45) 1,2-Dichloropropane	9.21	63	16651	10.152	ug/l	94
46) Dibromomethane	9.31	93	9357	10.280	ug/l	92
47) Bromodichloromethane	9.50	83	22357	10.289	ug/l #	88
48) Methyl methacrylate	9.29	41	10388	9.221	ug/l	89
49) 1,4-Dioxane	9.29	88	4155	217.964	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	69964	48.907	ug/l	98
52) Toluene	10.24	92	40712	10.186	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	22721	9.945	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	26397	9.930	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	14596	10.119	ug/l	90
56) Ethyl methacrylate	10.51	69	19686	9.724	ug/l	97
57) 1,3-Dichloropropane	10.79	76	23498	10.186	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	53229	48.001	ug/l	97
59) 2-Hexanone	10.83	43	51210	49.675	ug/l	97
60) Dibromochloromethane	10.98	129	14919	9.816	ug/l	98
61) 1,2-Dibromoethane	11.09	107	13031	10.228	ug/l	98
64) Tetrachloroethene	10.72	164	14525	10.307	ug/l	91
65) Chlorobenzene	11.51	112	44199	10.094	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	15111	9.960	ug/l	98
67) Ethyl Benzene	11.59	91	80920	10.172	ug/l	96
68) m/p-Xylenes	11.70	106	59849	19.938	ug/l	99
69) o-Xylene	12.02	106	29637	10.074	ug/l	96
70) Styrene	12.04	104	50698	9.906	ug/l	99
71) Bromoform	12.20	173	9467	10.334	ug/l #	98
73) Isopropylbenzene	12.32	105	78315	10.289	ug/l	100
74) N-amyl acetate	12.14	43	20309	9.039	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	18617	10.230	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	12928m	5.851	ug/l	
77) Bromobenzene	12.60	156	15885	9.866	ug/l	91
78) n-propylbenzene	12.66	91	93814	10.085	ug/l	97
79) 2-Chlorotoluene	12.75	91	50190	9.649	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	64805	10.197	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.37	75	6589	9.446	ug/l	95
82) 4-Chlorotoluene	12.85	91	55337	10.137	ug/l	99
83) tert-Butylbenzene	13.07	119	55852	10.228	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	63501	10.115	ug/l	98
85) sec-Butylbenzene	13.25	105	82225	10.203	ug/l	99
86) p-Isopropyltoluene	13.36	119	71018	10.388	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	32345	9.981	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	32808	10.061	ug/l	98
89) n-Butylbenzene	13.69	91	70342	10.153	ug/l	98
90) Hexachloroethane	13.95	117	14231	10.416	ug/l	91
91) 1,2-Dichlorobenzene	13.73	146	29939	9.928	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	3867	10.928	ug/l	85

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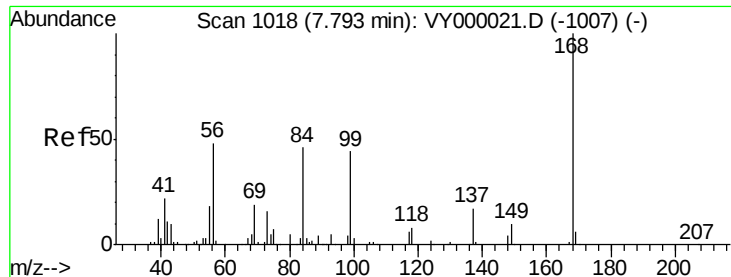
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	18812	9.776	ug/l	96
94) Hexachlorobutadiene	15.11	225	8483	9.611	ug/l	94
95) Naphthalene	15.22	128	53152	10.096	ug/l	98
96) 1,2,3-Trichlorobenzene	15.41	180	17768	10.286	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 141700

Ion Ratio Lower Upper

168 100

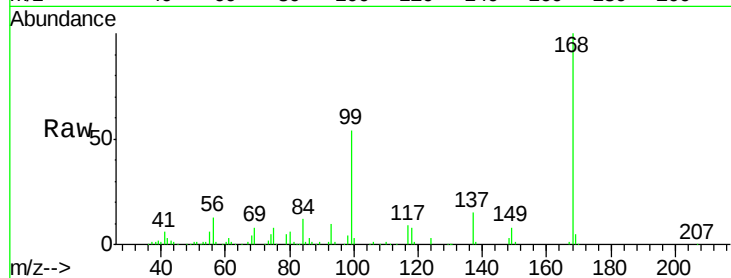
99 53.8 46.3 69.5

Manual Integrations

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9/13/2019 11:53:50 PM



Abundance Ion 167.90 (167.60 to 168.60): VY000021.D (-1007) (-)

Ion 98.90 (98.60 to 99.60): VY000021.D (-1007) (-)

7.79

60000

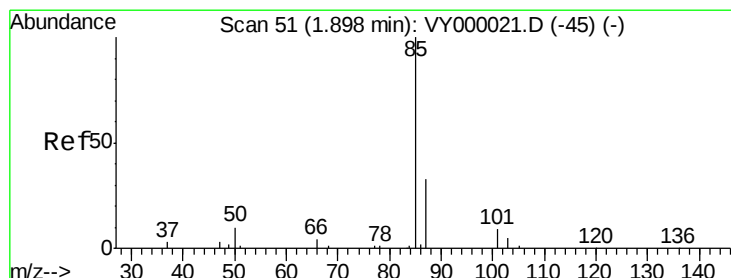
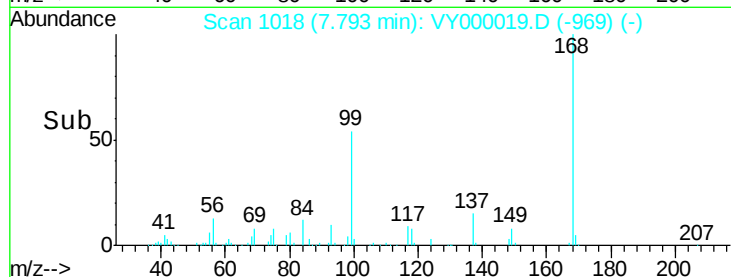
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 10.899 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000019.D

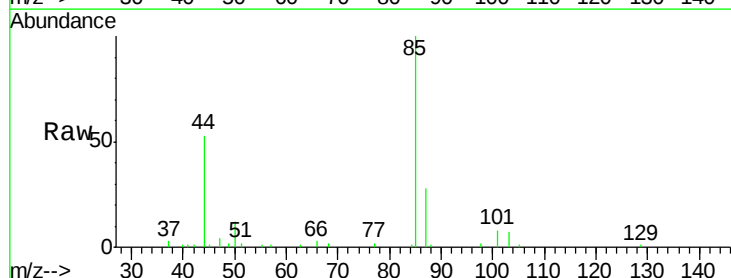
Acq: 12 Sep 2019 11:32

Tgt Ion: 85 Resp: 11389

Ion Ratio Lower Upper

85 100

87 27.8 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY000021.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000021.D (-45) (-)

1.90

8000

6000

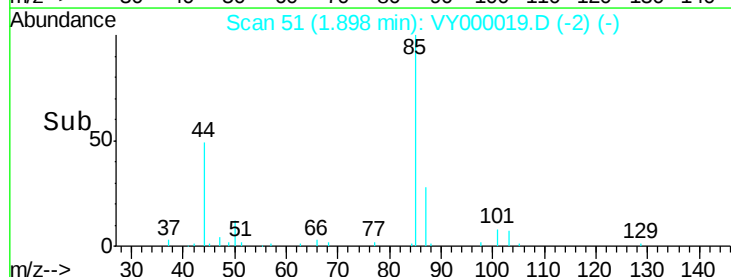
4000

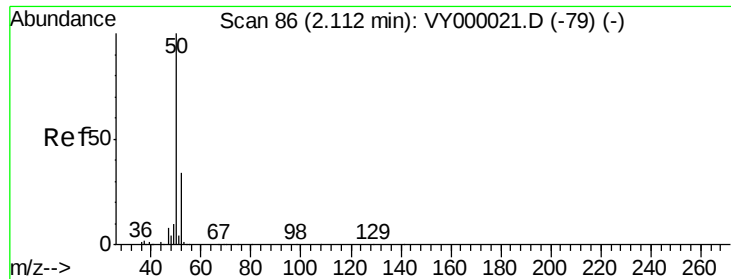
2000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 11.866 ug/l

RT: 2.11 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 20170

Ion Ratio Lower Upper

50 100

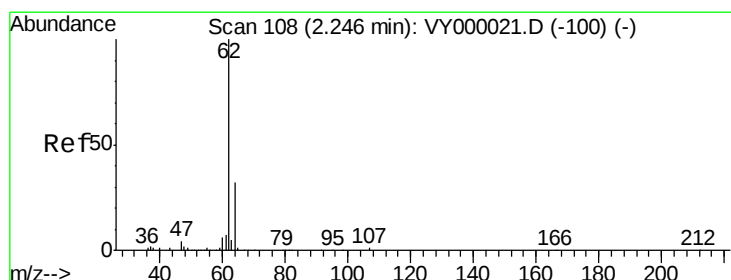
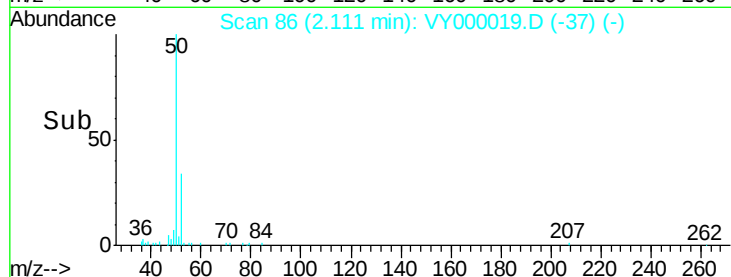
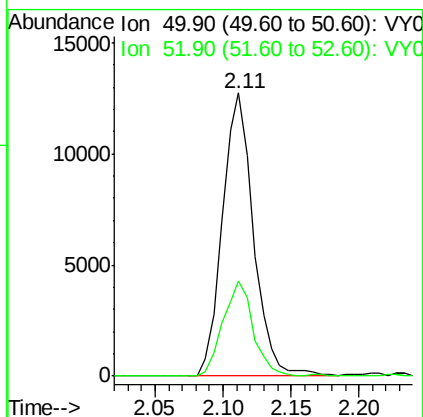
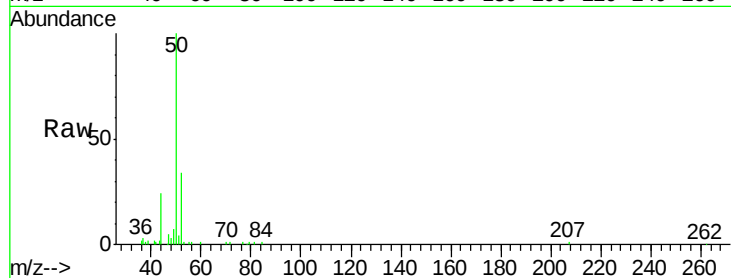
52 33.7 27.0 40.6

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#4

Vinyl Chloride

Concen: 10.194 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000019.D

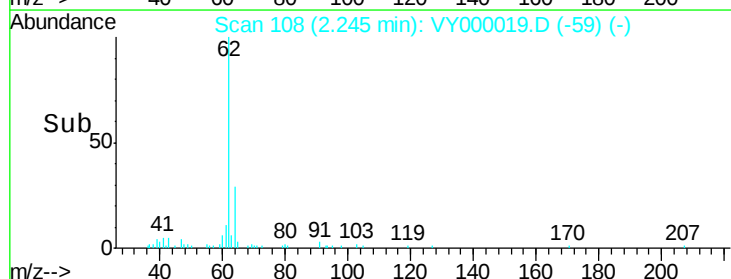
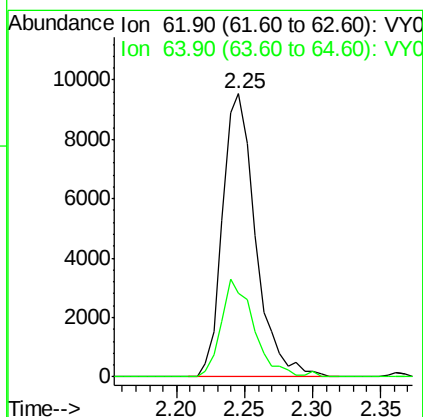
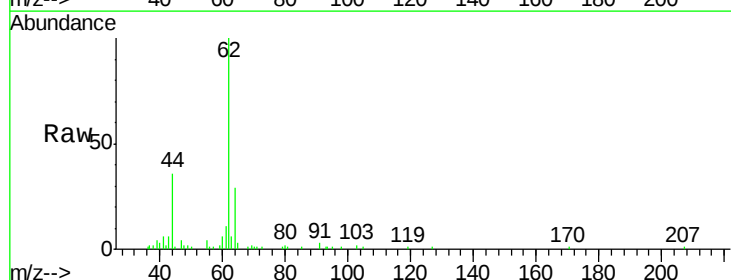
Acq: 12 Sep 2019 11:32

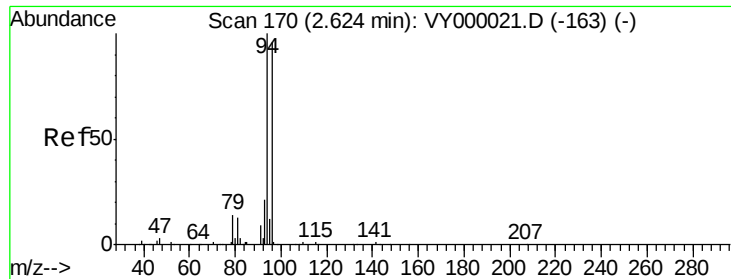
Tgt Ion: 62 Resp: 16153

Ion Ratio Lower Upper

62 100

64 29.4 26.1 39.1





#5

Bromomethane

Concen: 11.326 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 11407

Ion Ratio Lower Upper

94 100

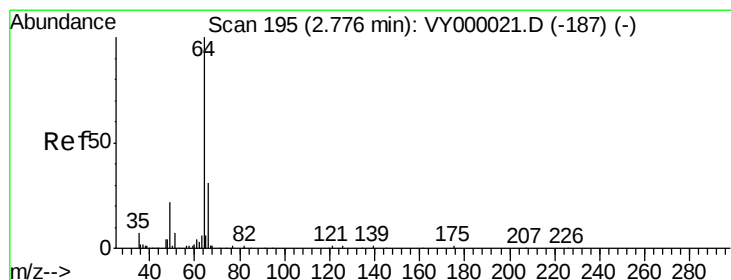
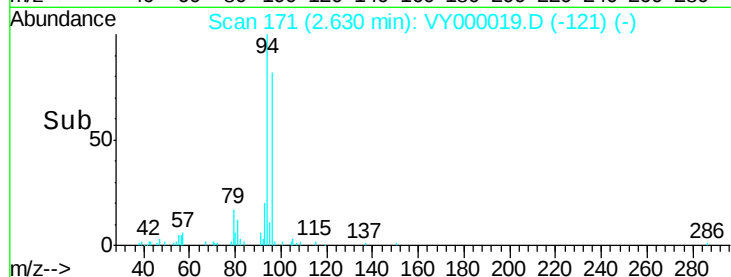
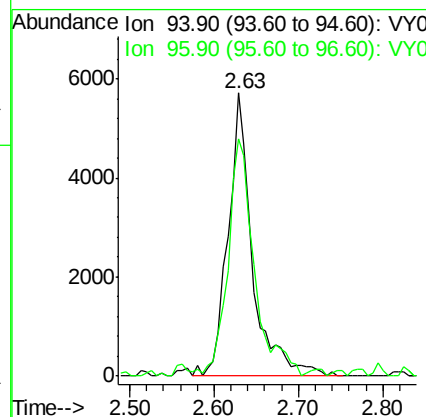
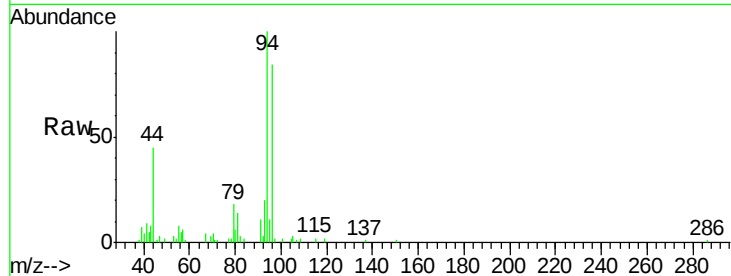
96 82.6 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 9.631 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VY000019.D

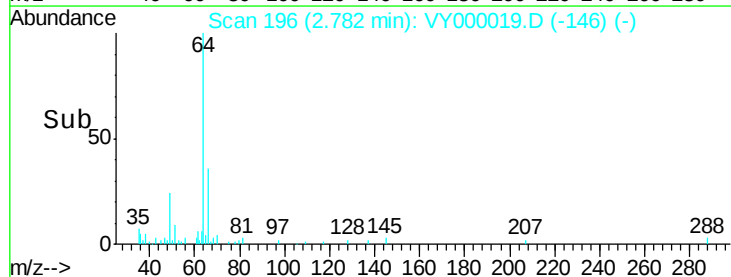
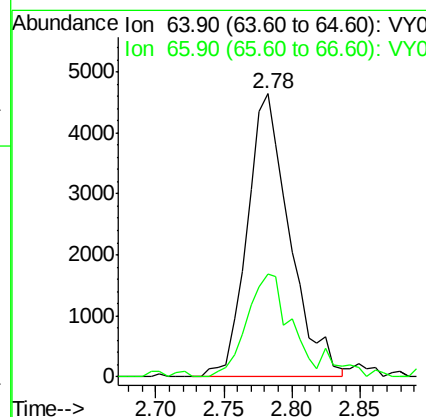
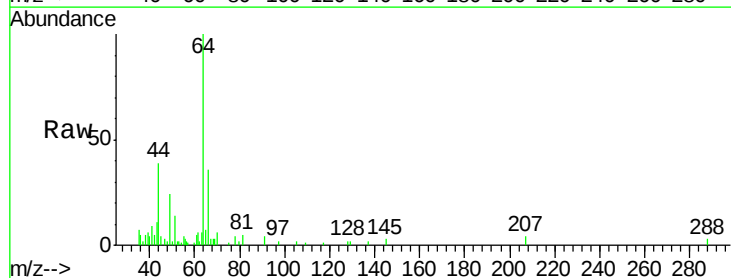
Acq: 12 Sep 2019 11:32

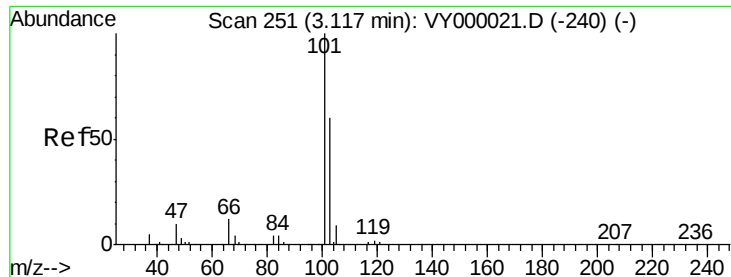
Tgt Ion: 64 Resp: 10160

Ion Ratio Lower Upper

64 100

66 36.5 25.0 37.6





#7

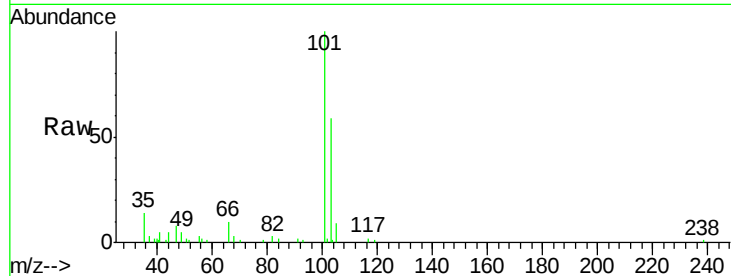
Trichlorofluoromethane
Concen: 10.658 ug/l
RT: 3.12 min Scan# 252
Delta R.T. 0.01 min
Lab File: VY000019.D
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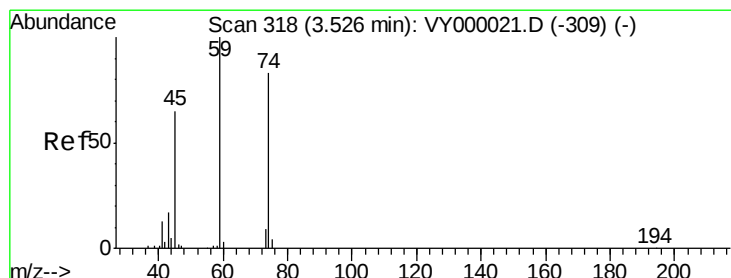
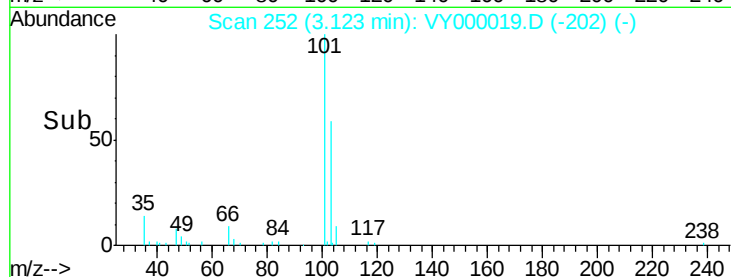
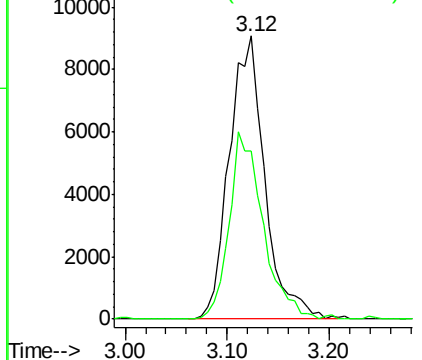
Tot Ion	Ratio	Lower	Upper
101	100		
103	59.4	48.1	72.1

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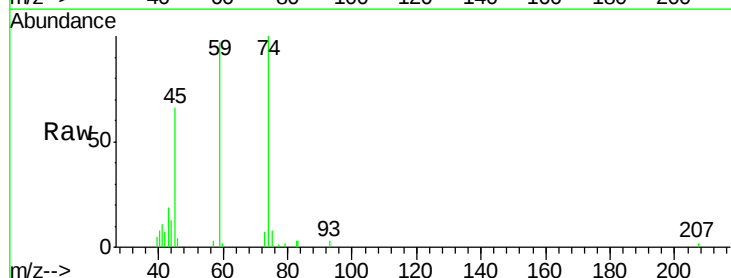
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



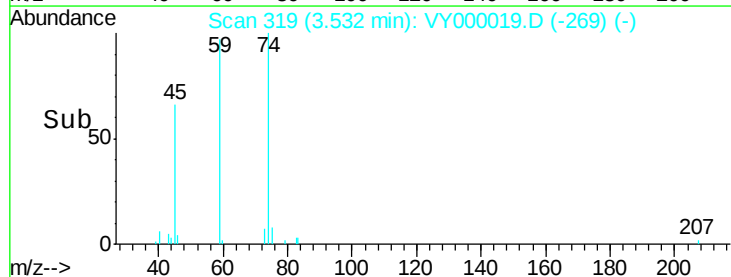
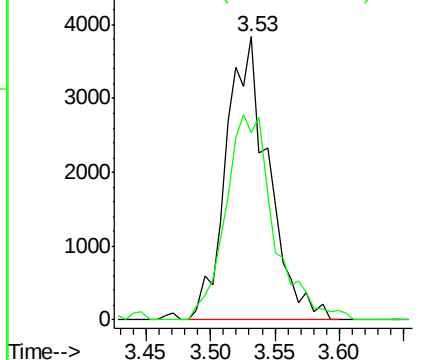
#8

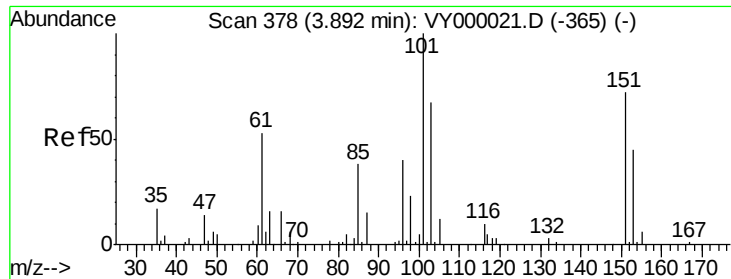
Diethyl Ether
Concen: 10.415 ug/l
RT: 3.53 min Scan# 319
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.4	41.9	125.6



Abundance Ion 74.00 (73.70 to 74.70): VY0
Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.781 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

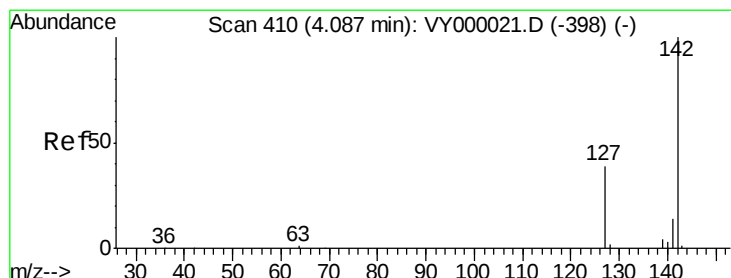
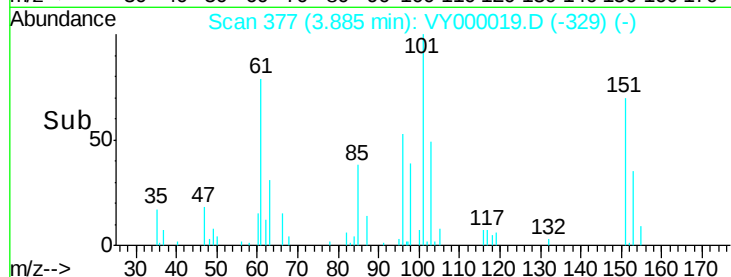
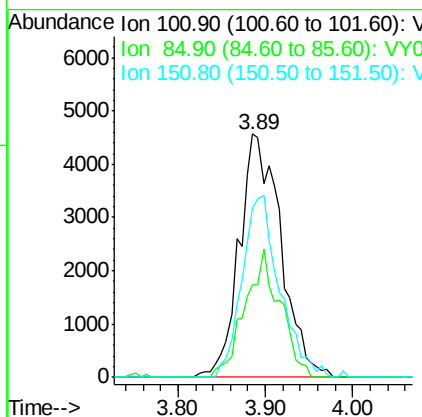
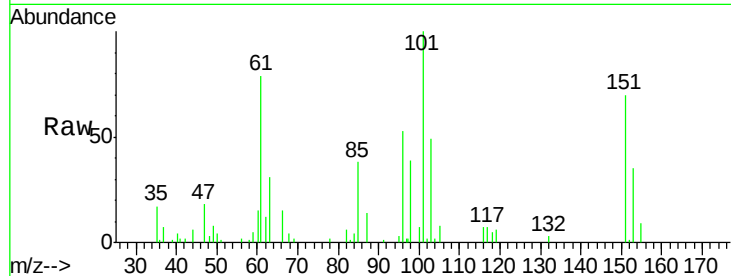
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	15106
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.3	52.9
151	67.5	55.9	83.9

Manual Integrations
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9/13/2019 11:53:50 PM



#10

Methyl Iodide

Concen: 9.126 ug/l

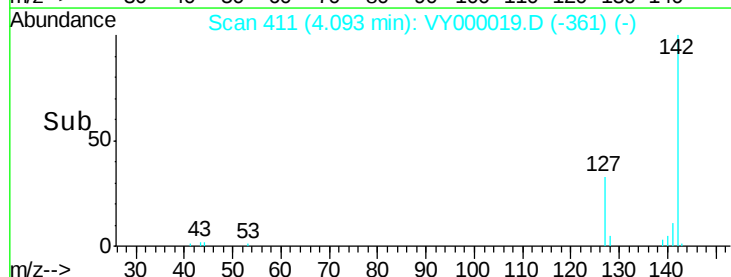
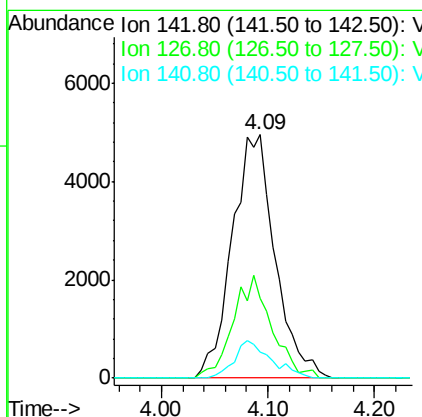
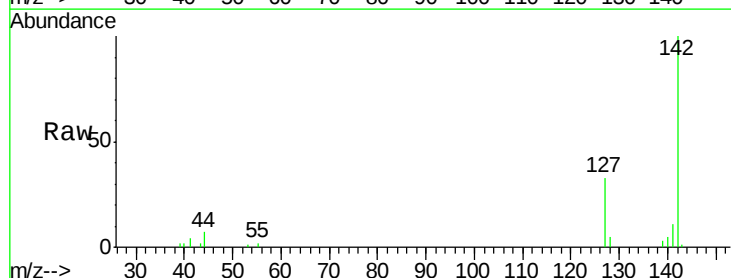
RT: 4.09 min Scan# 411

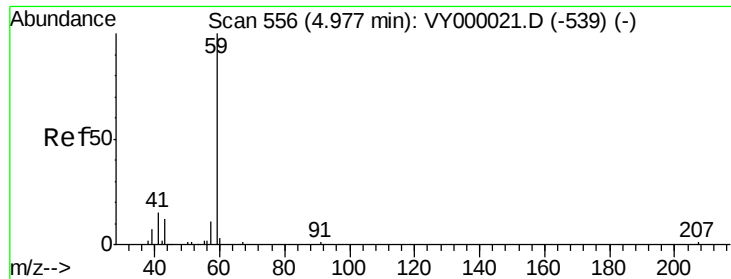
Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tgt Ion:	142	Resp:	13983
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.4	47.2
141	13.4	10.6	16.0





#11

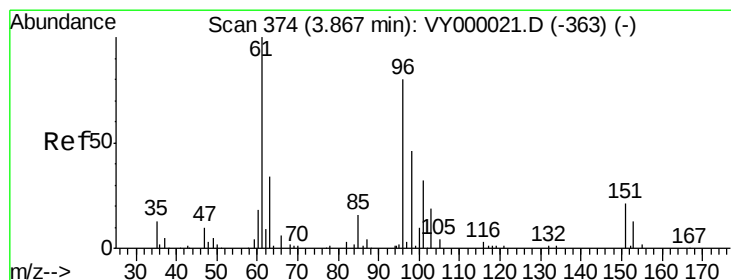
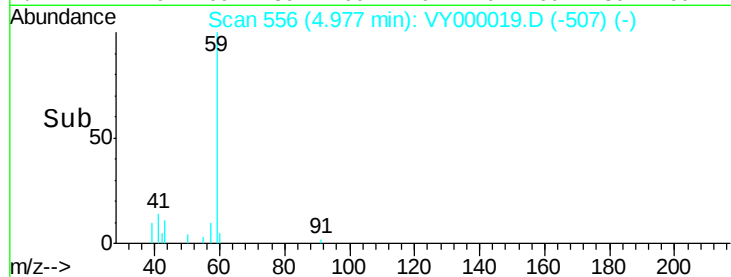
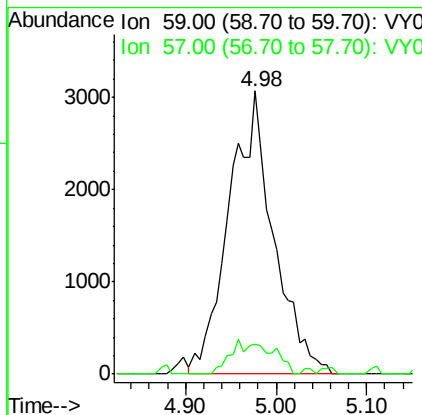
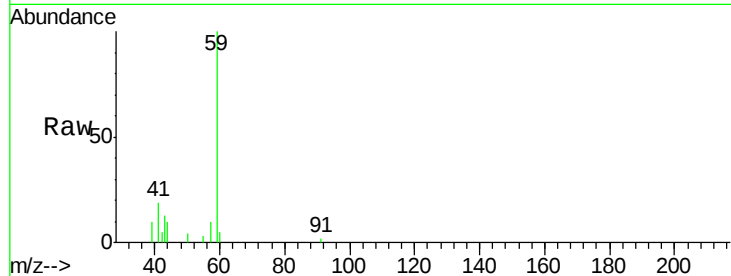
Tert butyl alcohol
Concen: 53.865 ug/l
RT: 4.98 min Scan# 556
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	4.2		8.3	12.5#

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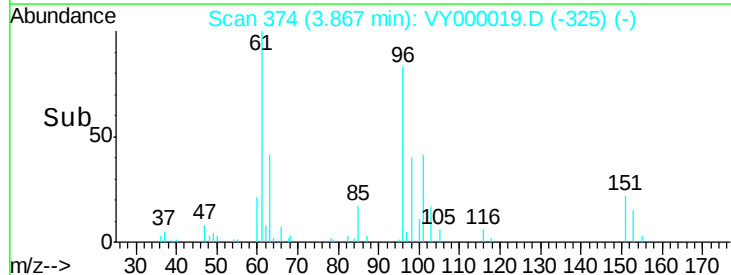
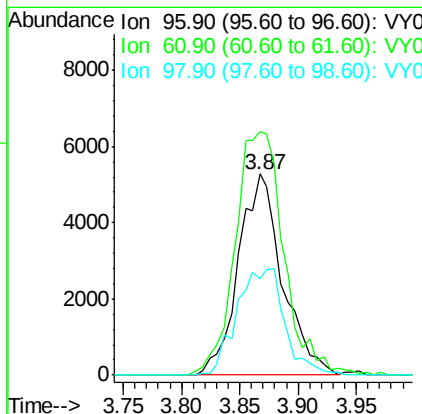
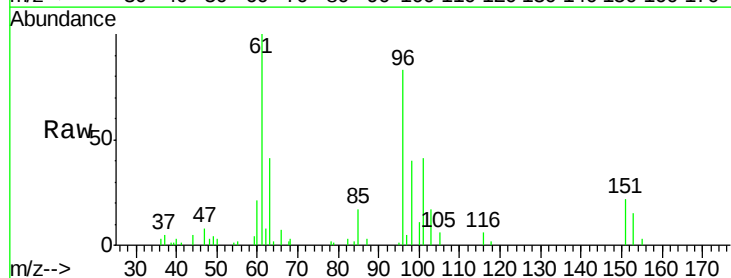
MMDadoda
9/13/2019 11:53:50 PM

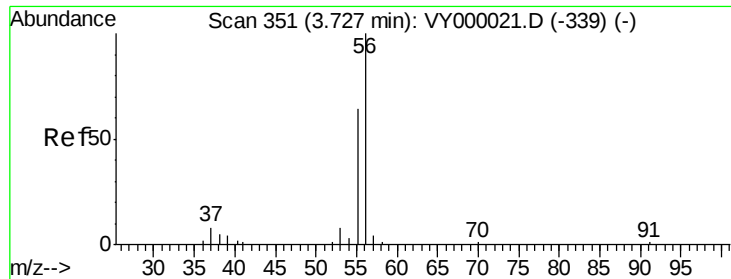


#12

1,1-Dichloroethene
Concen: 10.639 ug/l
RT: 3.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	121.1		99.8	149.6
98	47.9		46.3	69.5





#13

Acrolein

Concen: 62.383 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tot Ion: 56 Resp: 9082

Ion Ratio Lower Upper

56 100

55 72.4 56.7 85.1

Instrument :

MSVOA_Y

ClientSampleId :

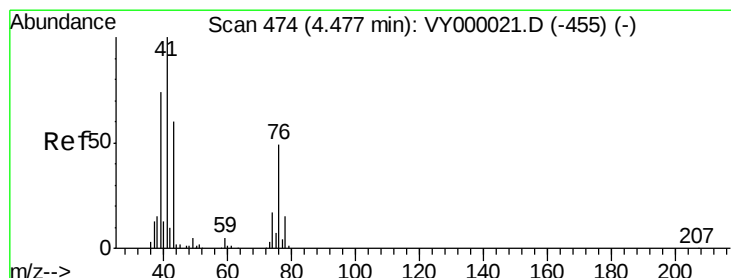
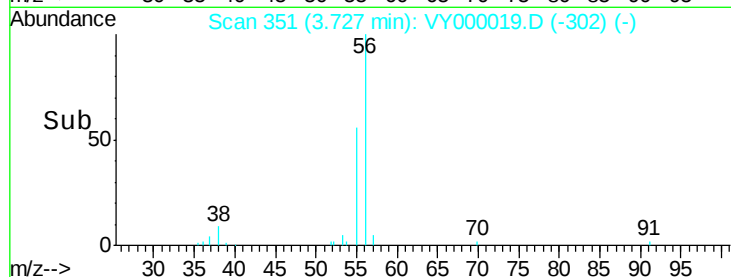
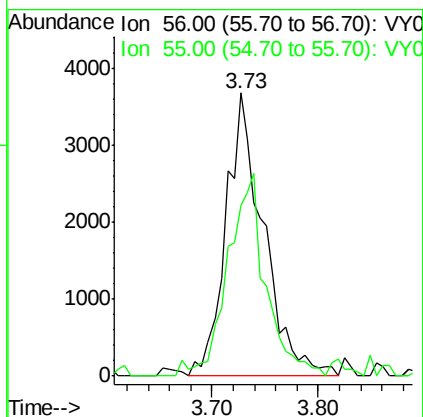
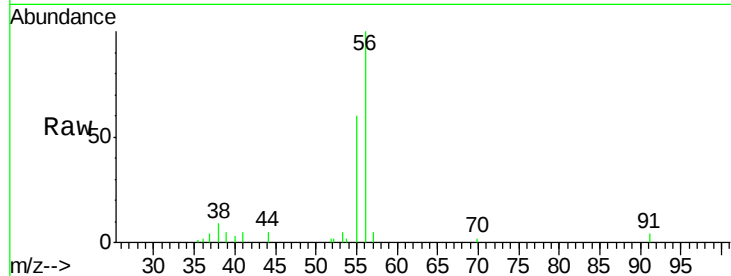
VSTDIC010

Manual Integrations

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#14

Allyl chloride

Concen: 11.030 ug/l

RT: 4.48 min Scan# 475

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

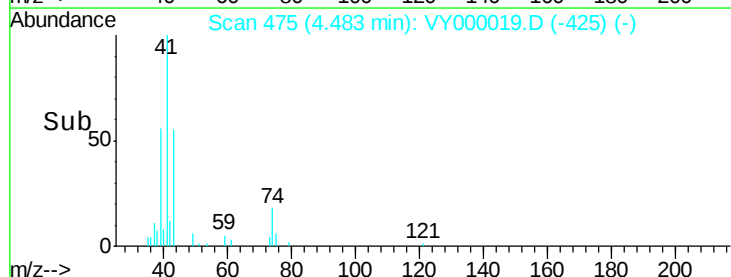
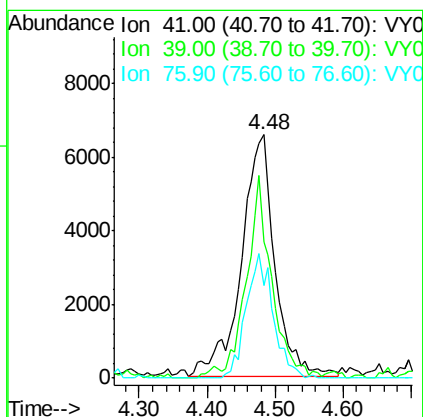
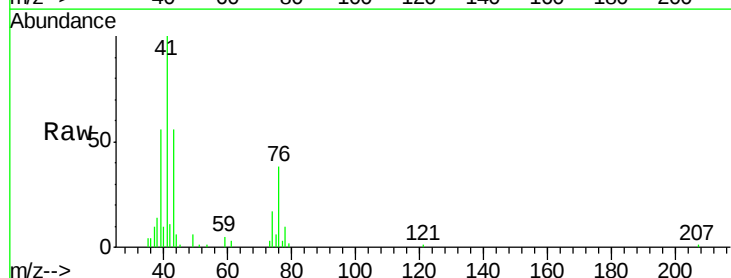
Tgt Ion: 41 Resp: 22364

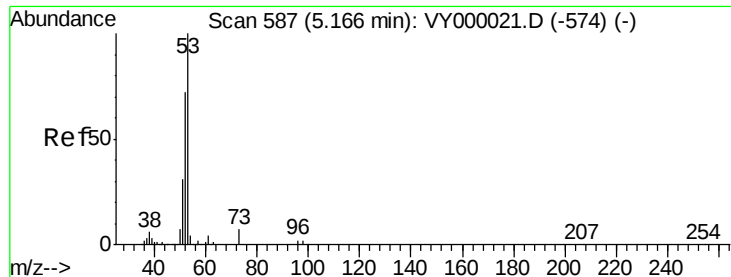
Ion Ratio Lower Upper

41 100

39 62.3 53.1 79.7

76 41.4 34.9 52.3





#15

Acrylonitrile

Concen: 51.593 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

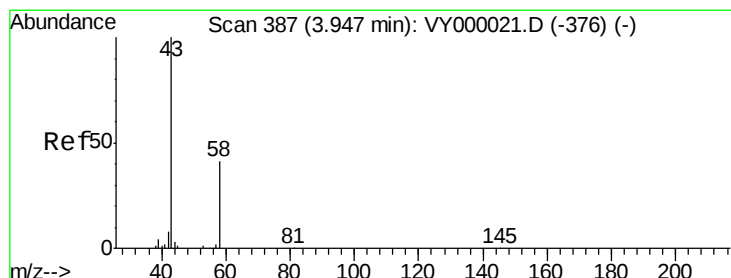
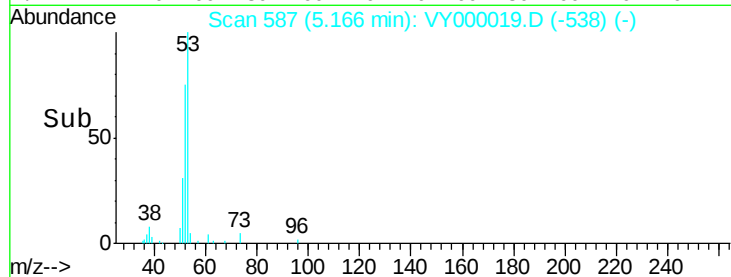
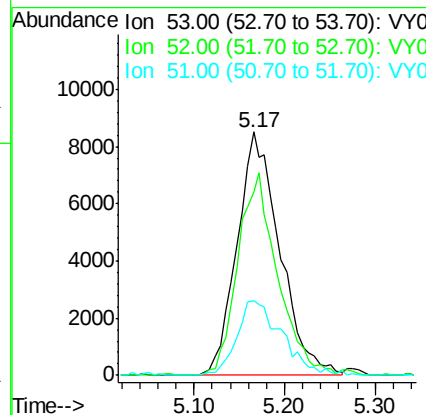
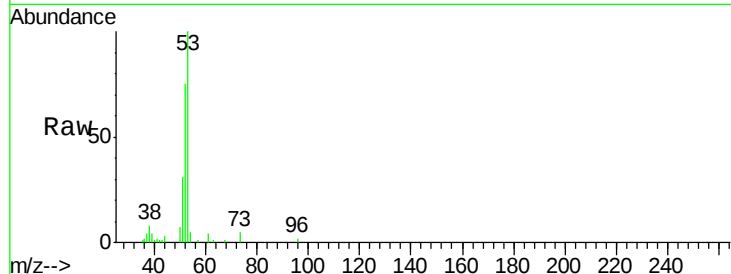
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	27699
Ion	Ratio	Lower	Upper
53	100		
52	77.7	62.8	94.2
51	32.5	26.6	40.0

Manual Integrations
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#16

Acetone

Concen: 55.003 ug/l

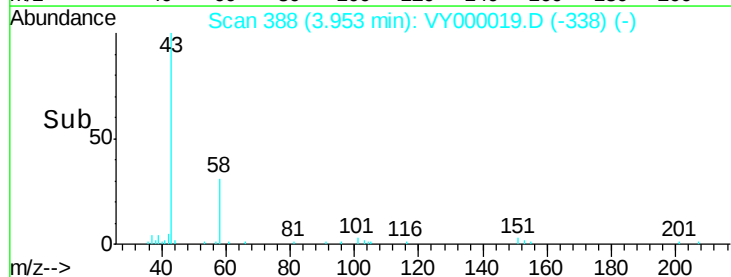
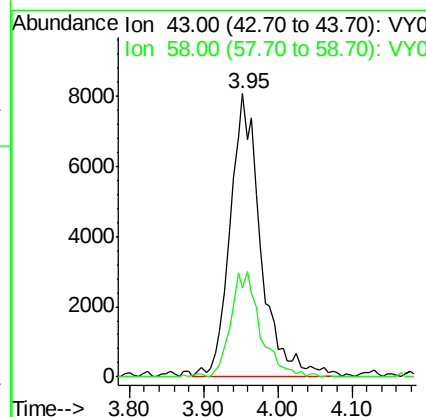
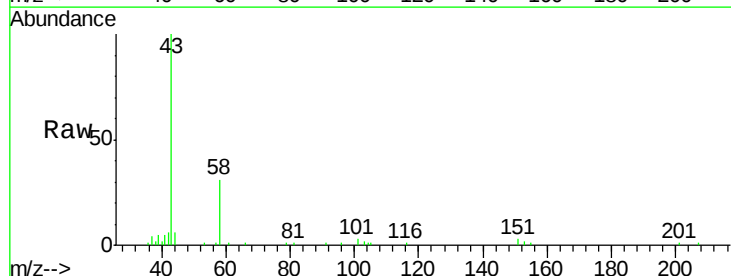
RT: 3.95 min Scan# 388

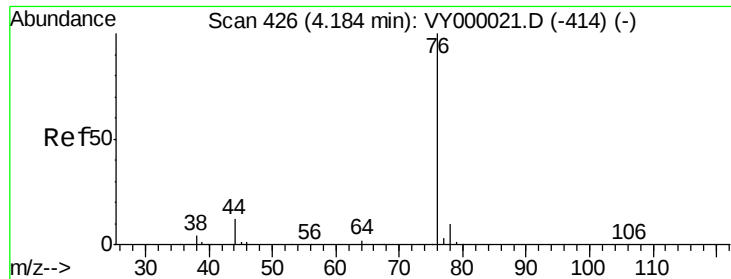
Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tgt Ion:	43	Resp:	23278
Ion	Ratio	Lower	Upper
43	100		
58	31.5	32.5	48.7#





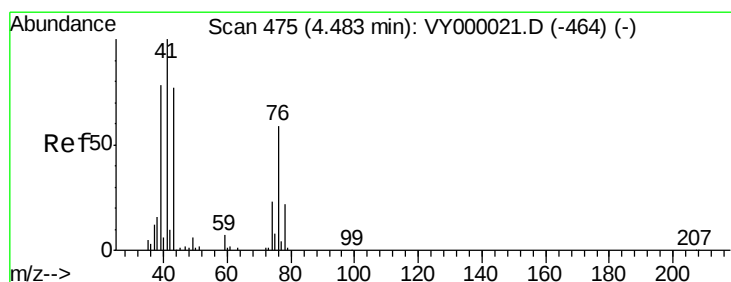
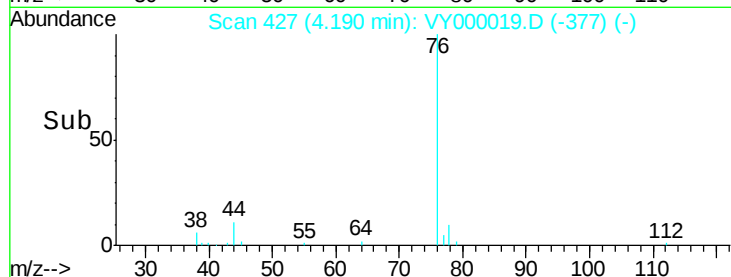
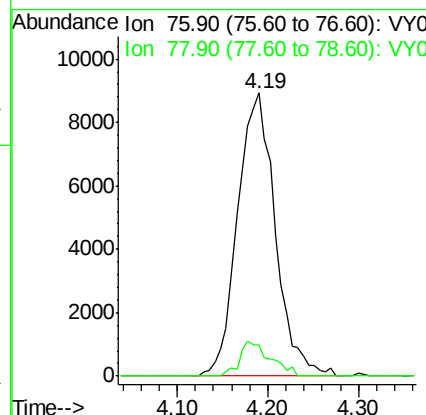
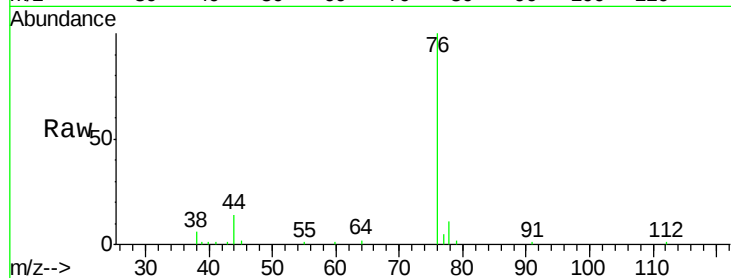
#17
Carbon Disulfide
Concen: 9.782 ug/l
RT: 4.19 min Scan# 427
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 76 Resp: 25724
Ion Ratio Lower Upper
76 100
78 11.1 7.6 11.4

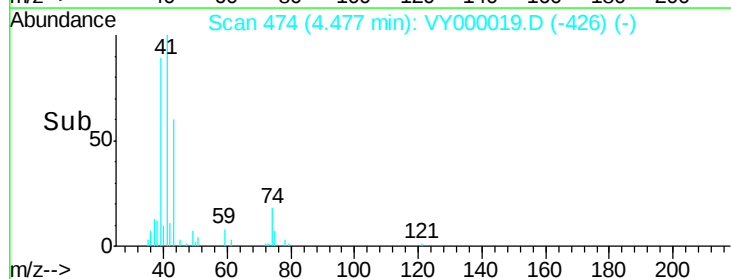
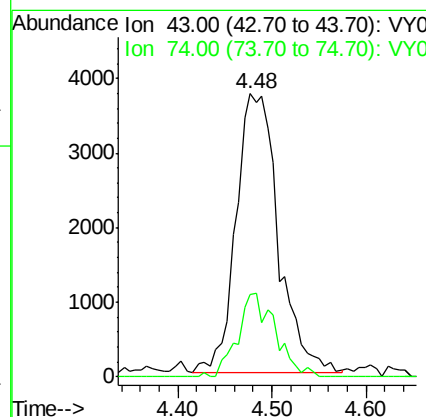
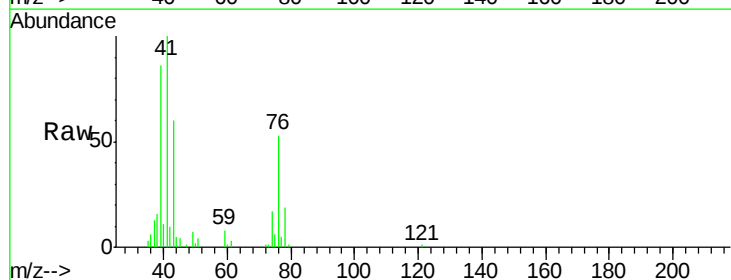
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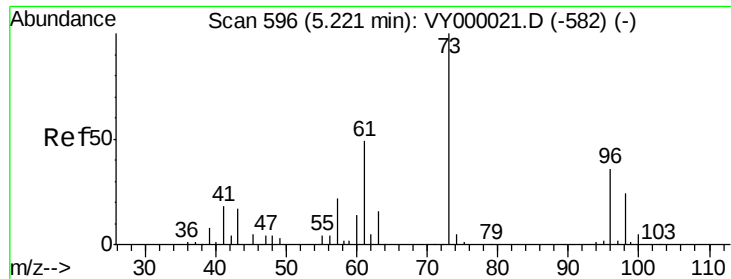
MMDadoda
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#18
Methyl Acetate
Concen: 9.812 ug/l
RT: 4.48 min Scan# 474
Delta R.T. -0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion: 43 Resp: 11685
Ion Ratio Lower Upper
43 100
74 26.8 21.4 32.0





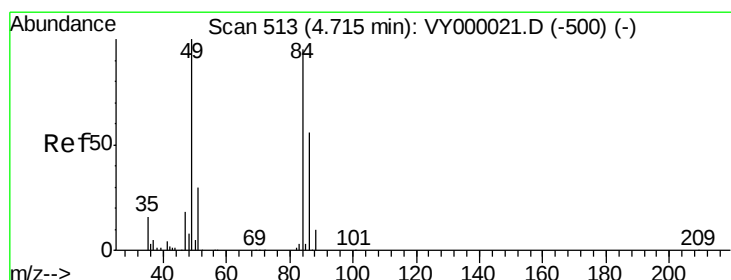
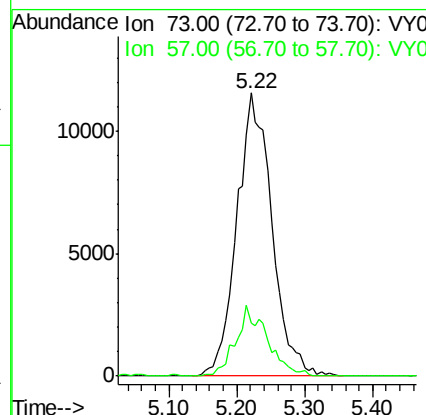
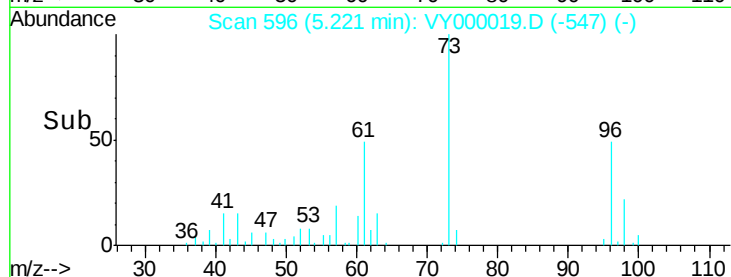
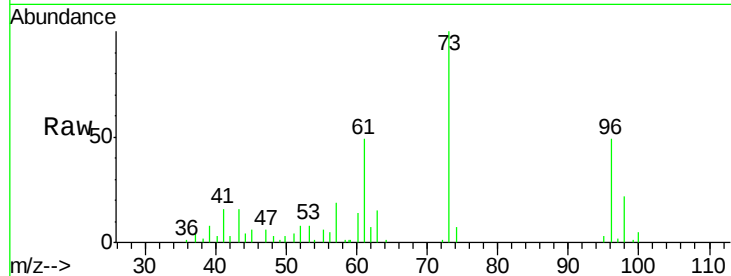
#19
Methvl tert-butvl Ether
Concen: 10.405 ug/l
RT: 5.22 min Scan# 596
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 41153
Ion Ratio Lower Upper
73 100
57 18.6 17.8 26.8

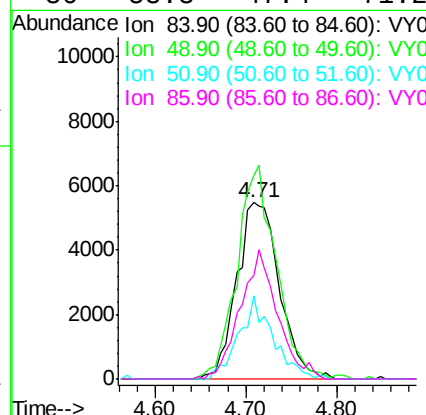
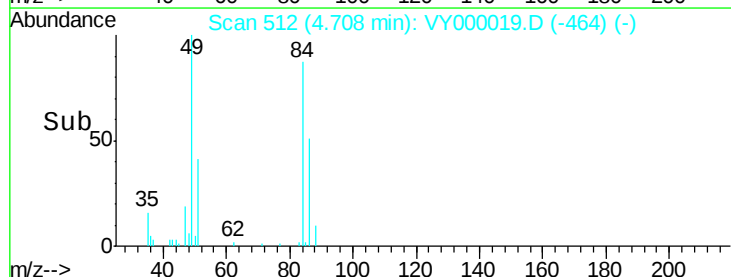
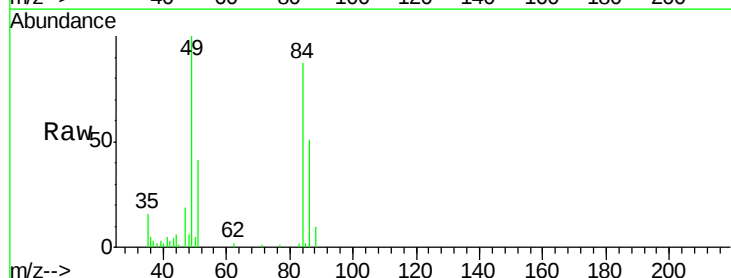
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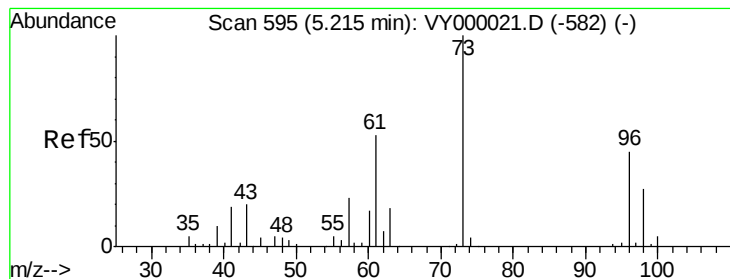
MMDadoda
9/13/2019 11:53:50 PM



#20
Methylene Chloride
Concen: 10.571 ug/l
RT: 4.71 min Scan# 512
Delta R.T. -0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion: 84 Resp: 17836
Ion Ratio Lower Upper
84 100
49 115.4 84.4 126.6
51 47.1 25.4 38.0#
86 58.8 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 10.503 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 15186

Ion Ratio Lower Upper

96 100

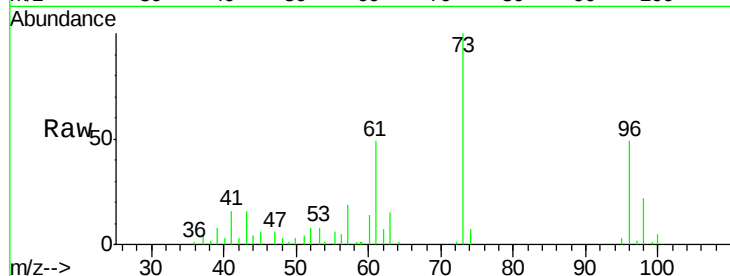
61 101.2 95.3 142.9

98 45.0 48.7 73.1#

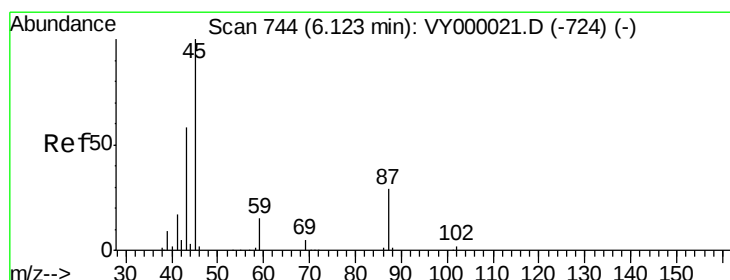
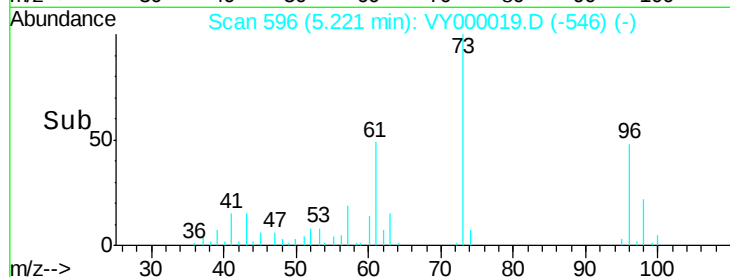
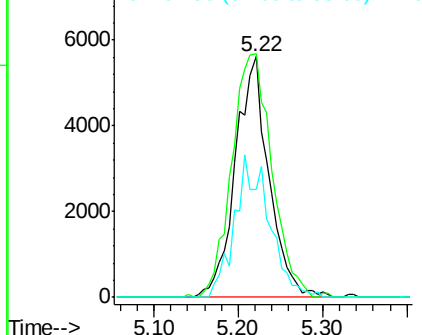
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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 10.142 ug/l

RT: 6.13 min Scan# 745

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tgt Ion: 45 Resp: 45395

Ion Ratio Lower Upper

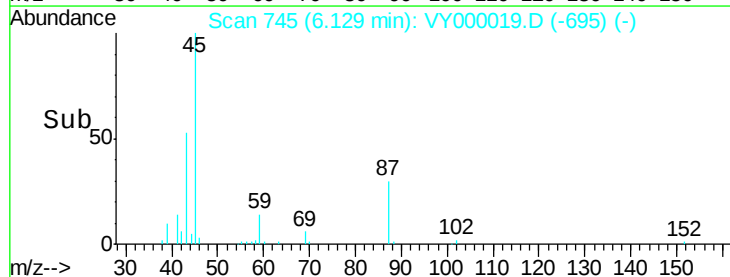
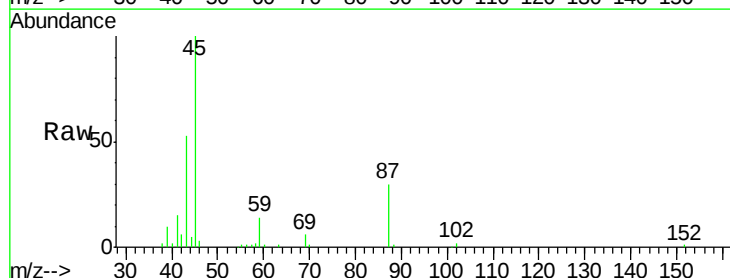
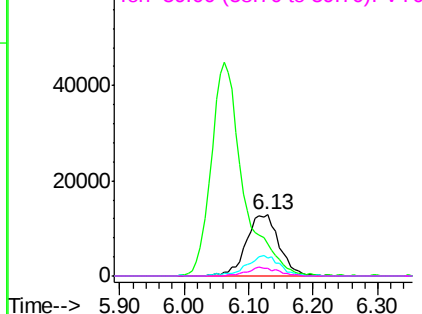
45 100

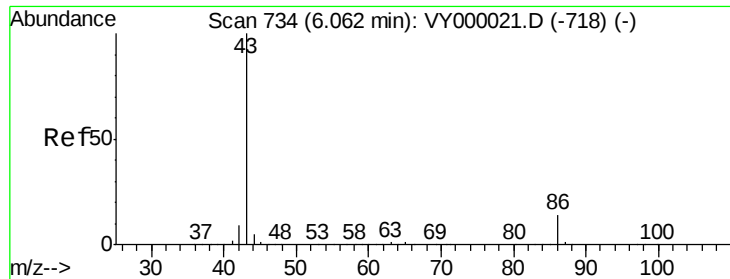
43 51.5 47.0 70.4

87 30.0 23.1 34.7

59 13.6 11.8 17.6

Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 50.144 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 155264

Ion Ratio Lower Upper

43 100

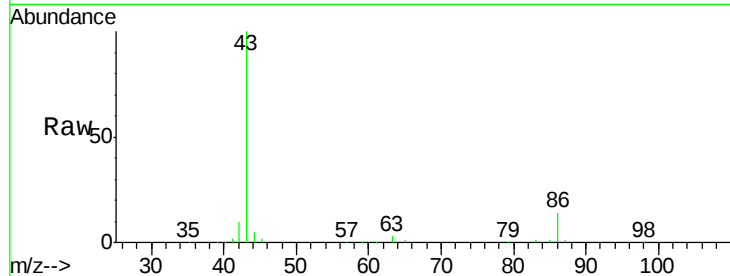
86 14.3 11.0 16.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.06

50000

40000

30000

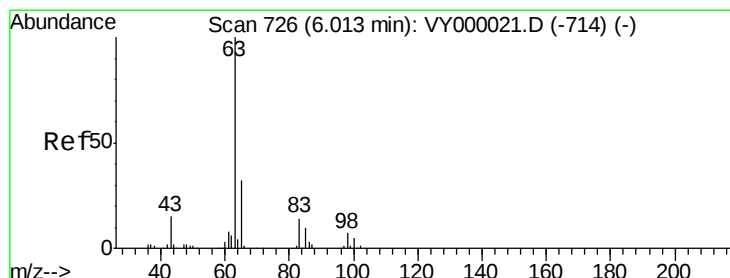
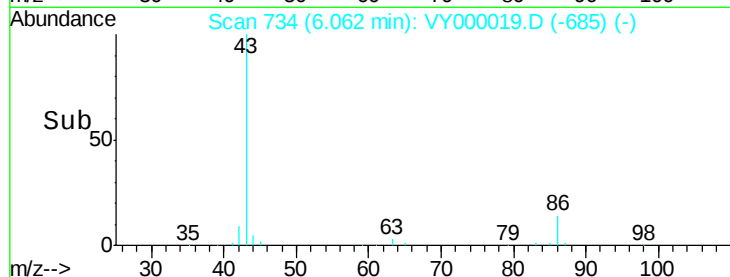
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#24

1,1-Dichloroethane

Concen: 10.273 ug/l

RT: 6.02 min Scan# 727

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

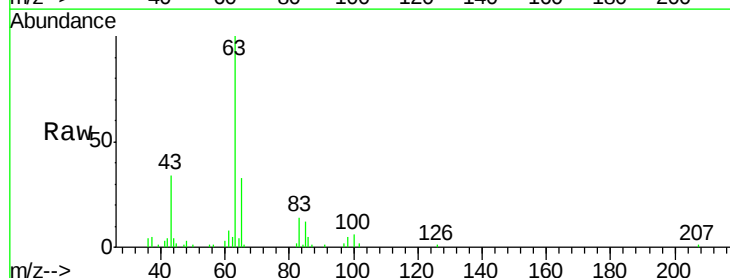
Tgt Ion: 63 Resp: 27248

Ion Ratio Lower Upper

63 100

98 5.1 3.8 11.2

100 6.2 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.02

10000

8000

6000

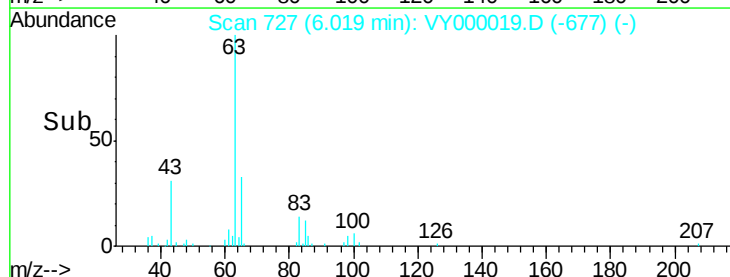
4000

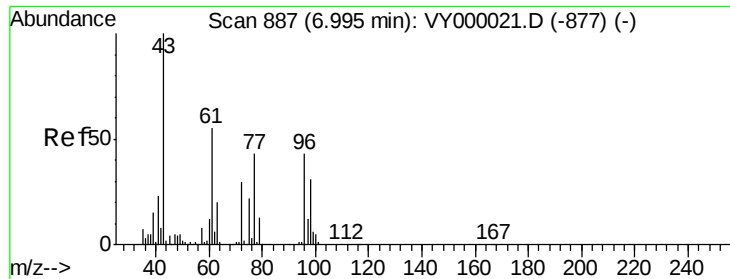
2000

0

Time-->

5.90 6.00 6.10





#25

2-Butanone

Concen: 50.677 ug/l

RT: 6.99 min Scan# 887

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 34862

Ion Ratio Lower Upper

43 100

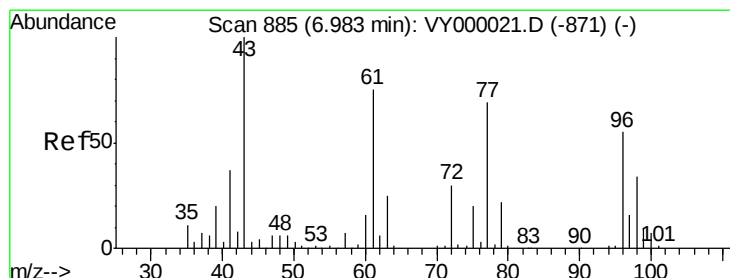
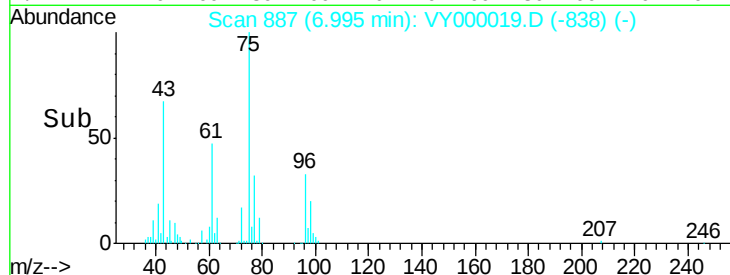
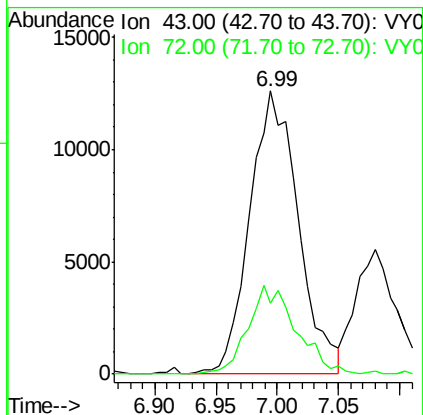
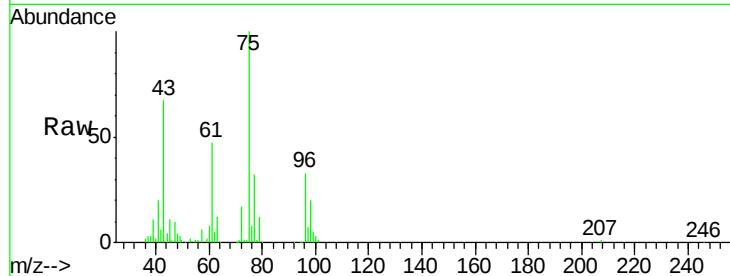
72 24.9 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:53:50 PM



#26

2,2-Dichloropropane

Concen: 10.676 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000019.D

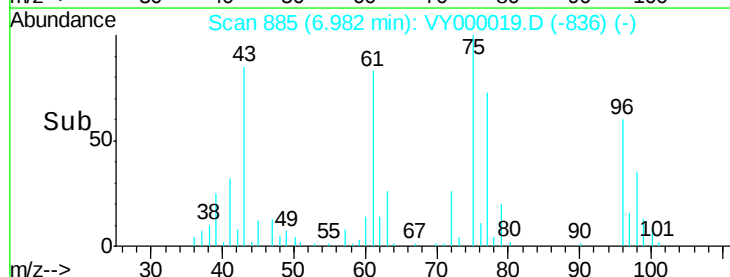
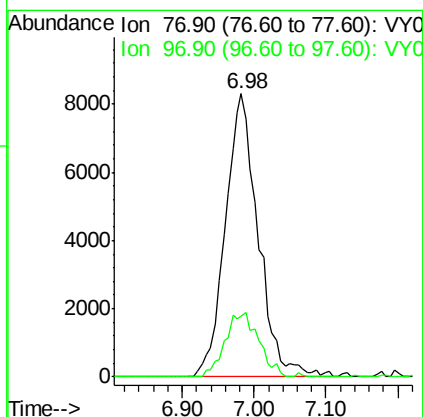
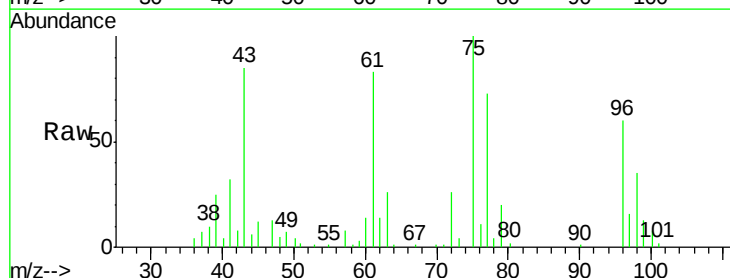
Acq: 12 Sep 2019 11:32

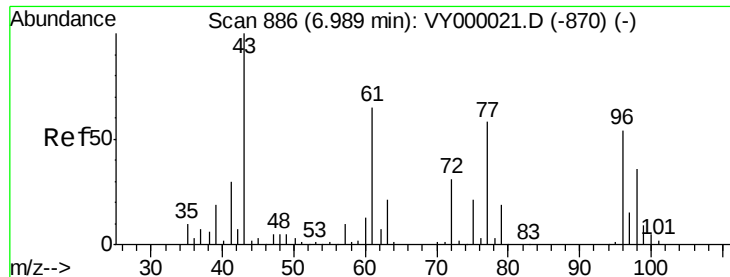
Tgt Ion: 77 Resp: 26305

Ion Ratio Lower Upper

77 100

97 23.2 12.0 36.1





#27

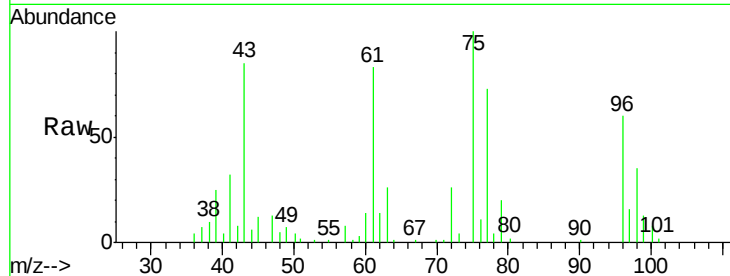
cis-1,2-Dichloroethene
Concen: 10.107 ug/l
RT: 6.98 min Scan# 885
Delta R.T. -0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	259.2
98	63.5	0.0	127.4

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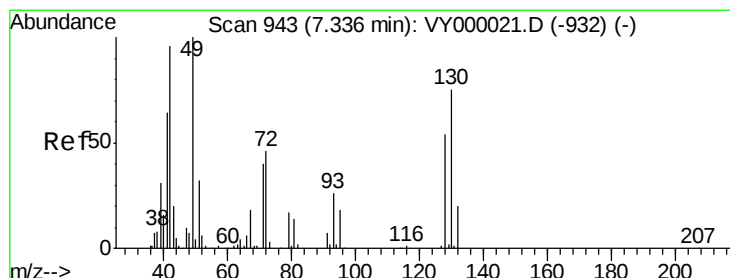
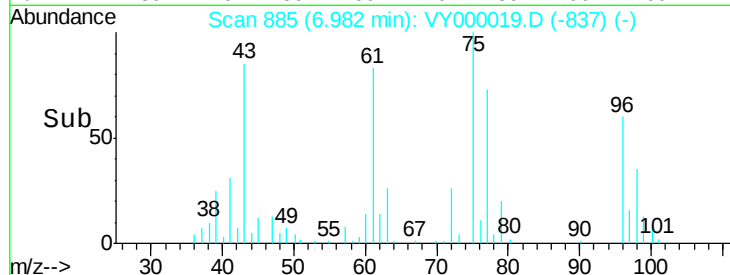
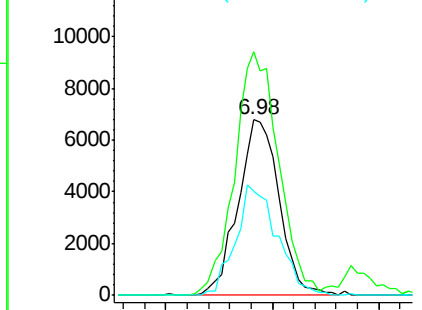


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

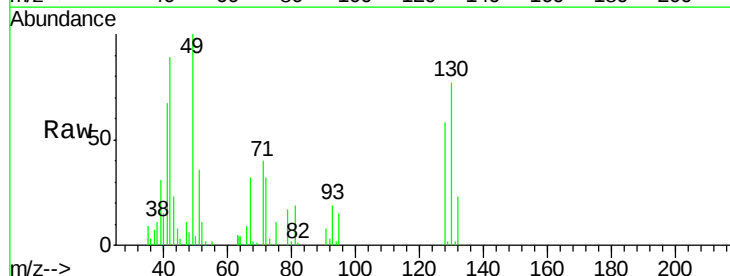
Ion 97.90 (97.60 to 98.60): VY0



#28

Bromochloromethane
Concen: 9.475 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	1.8#
130	77.9	62.5	93.7

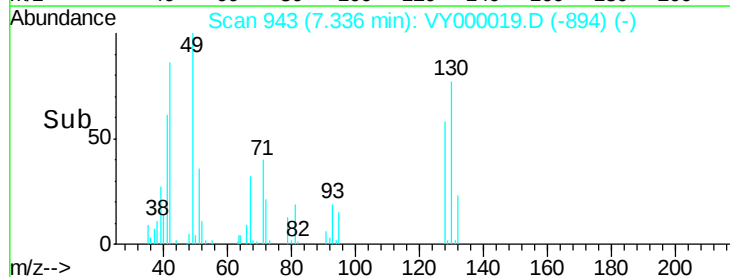
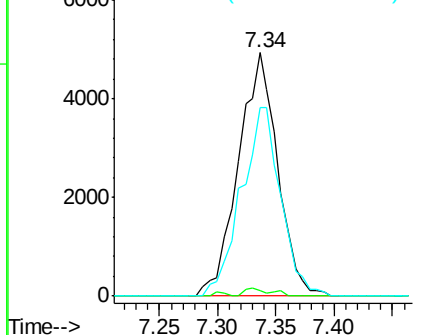


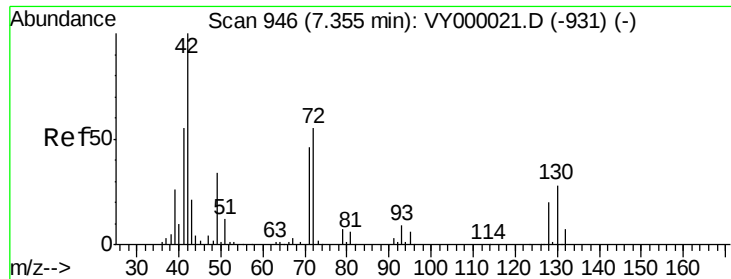
Abundance

Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





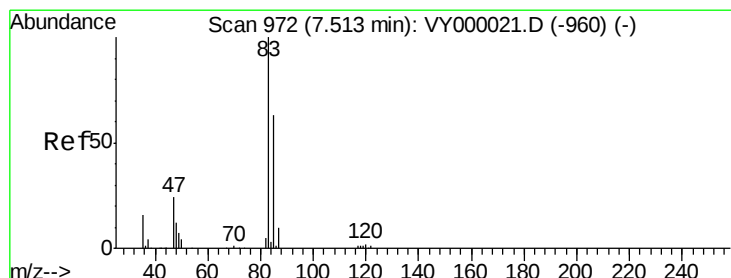
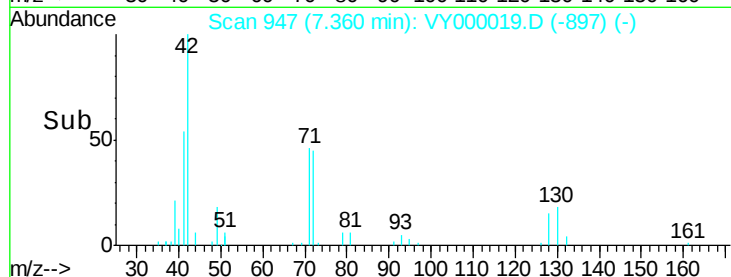
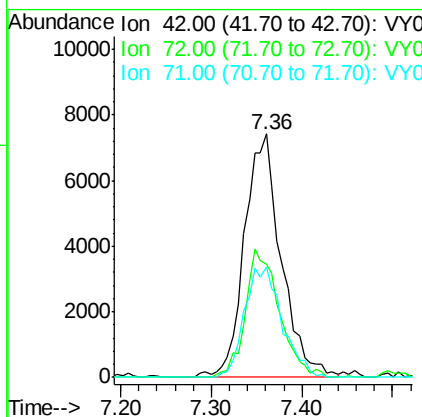
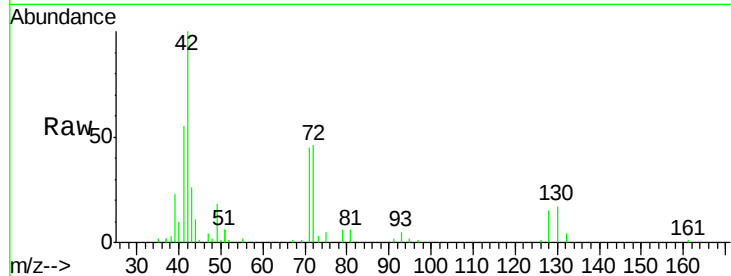
#29
Tetrahydrofuran
Concen: 50.786 ug/l
RT: 7.36 min Scan# 947
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	41.1	61.7
71	46.1	36.5	54.7

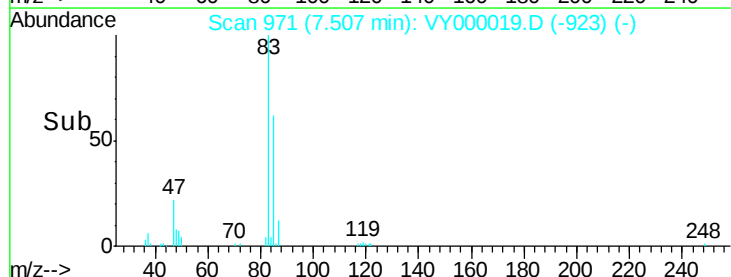
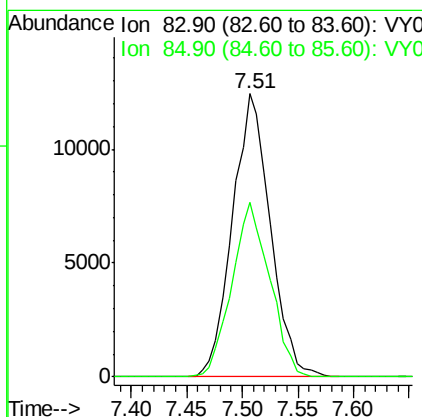
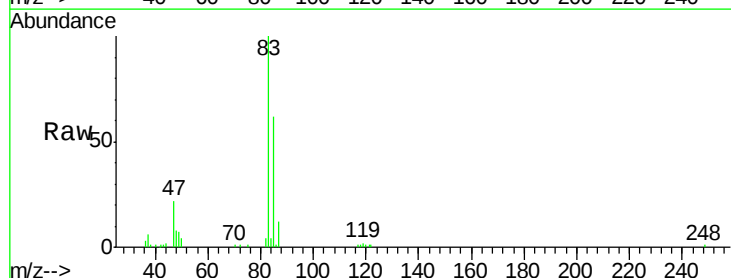
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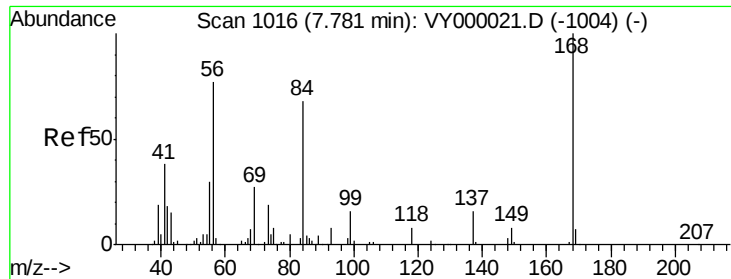
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#30
Chloroform
Concen: 10.743 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.6	76.0





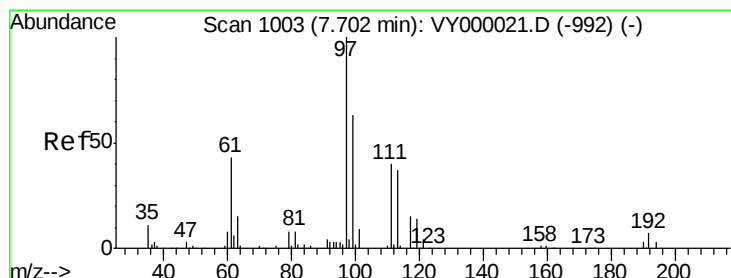
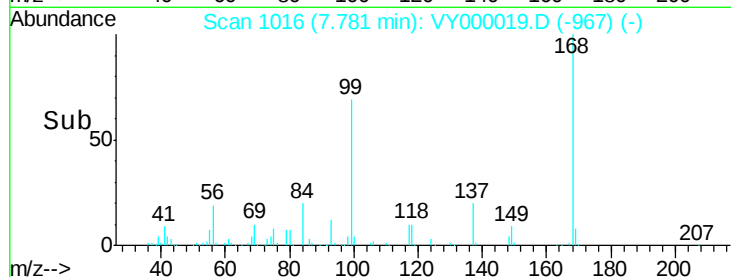
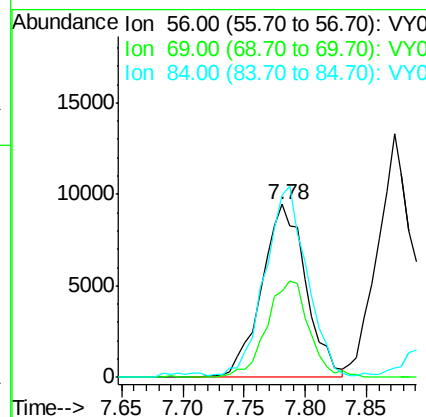
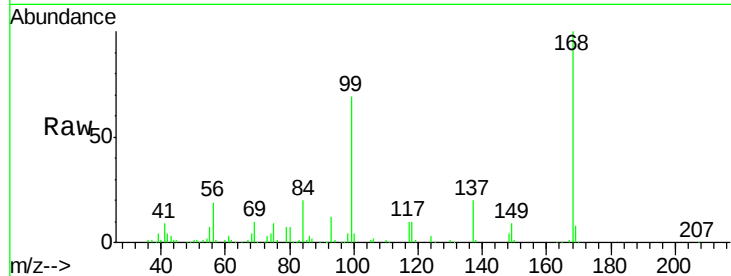
#31
Cyclohexane
Concen: 10.769 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	49.6	28.0	42.0#
84	103.1	70.4	105.6

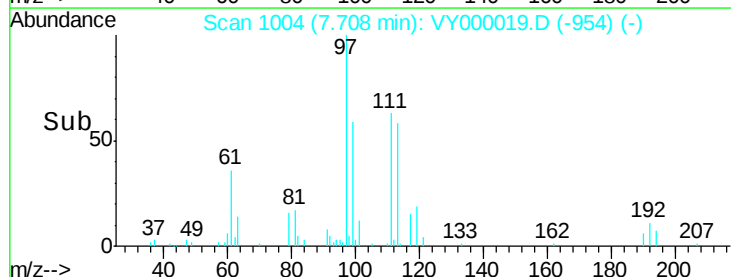
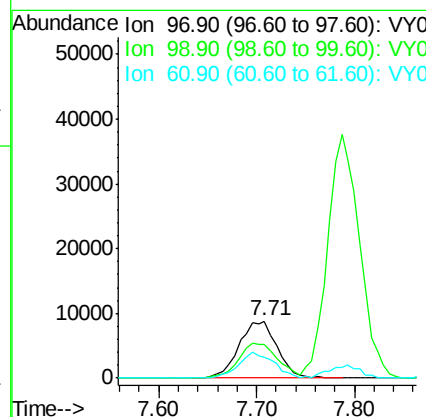
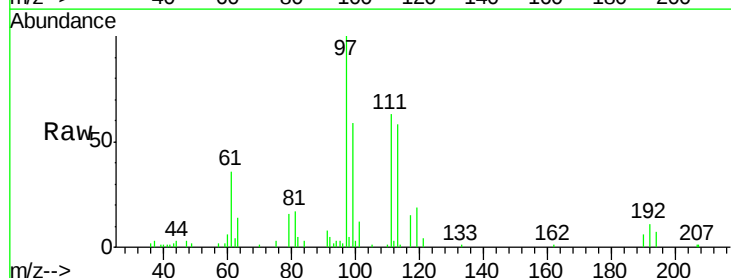
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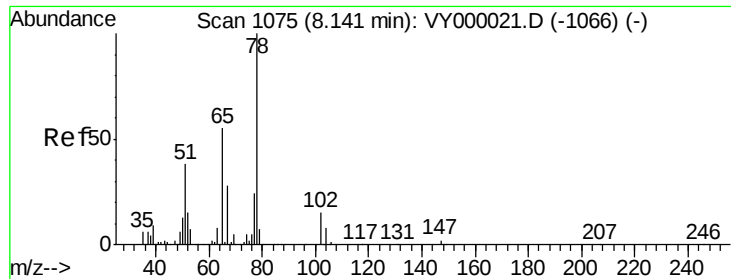
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#32
1,1,1-Trichloroethane
Concen: 10.554 ug/l
RT: 7.71 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.0	76.6
61	42.3	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 10.955 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 16721

Ion Ratio Lower Upper

65 100

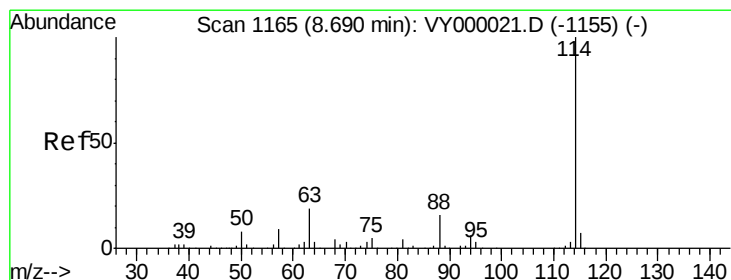
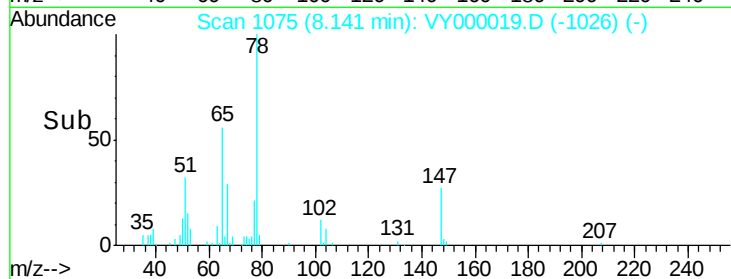
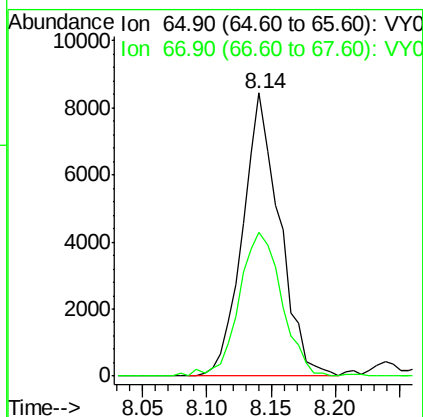
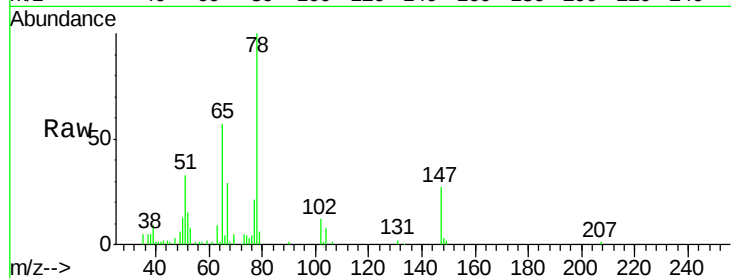
67 58.6 0.0 104.4

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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: VY000019.D

Acq: 12 Sep 2019 11:32

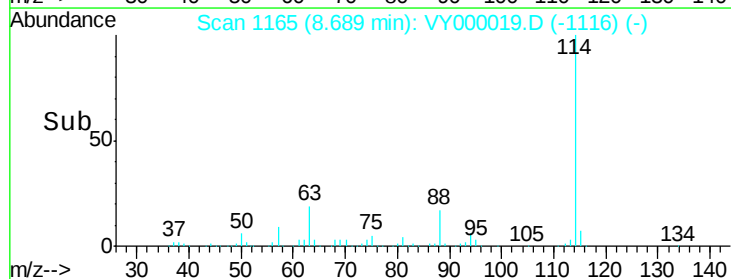
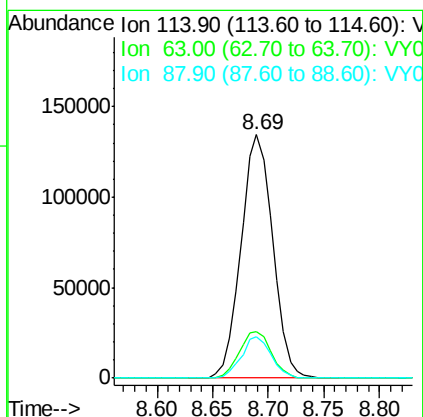
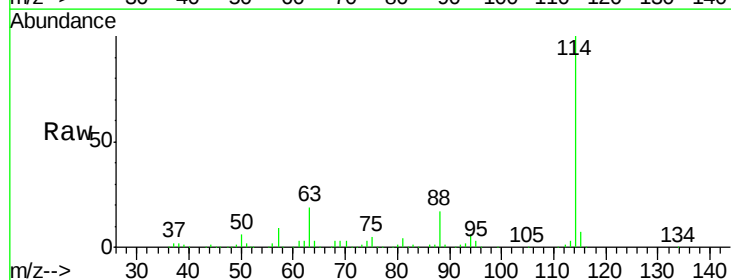
Tgt Ion: 114 Resp: 266096

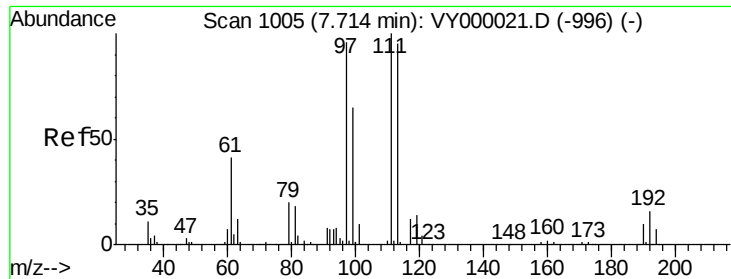
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

88 16.8 0.0 31.8





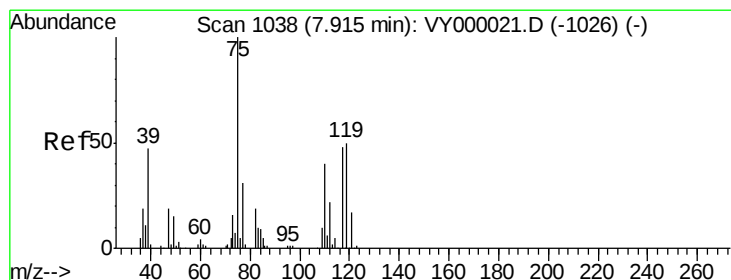
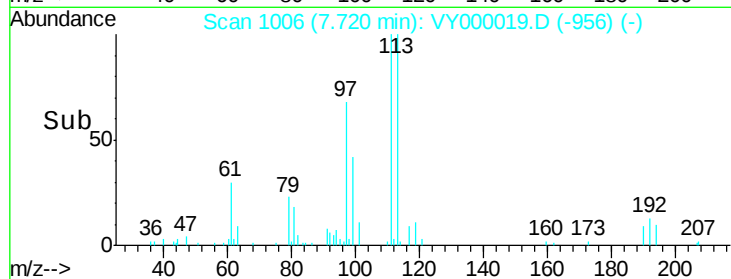
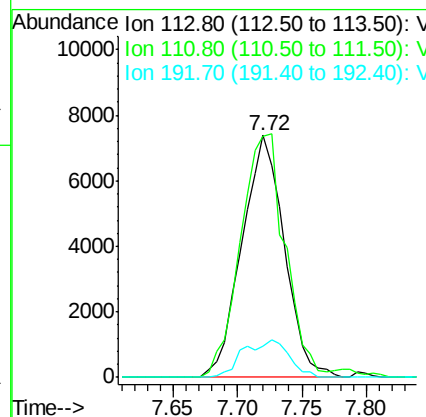
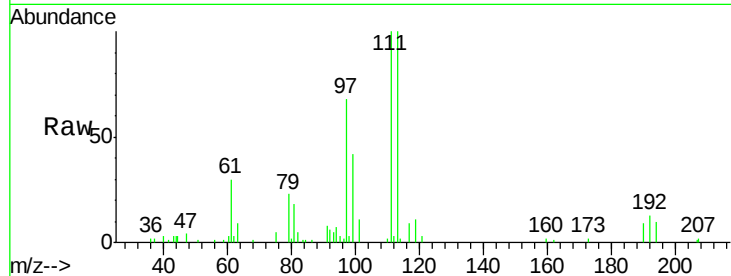
#35
 Dibromofluoromethane
 Concen: 11.028 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	16835		
111	105.7	83.9	125.9	
192	16.7	14.5	21.7	

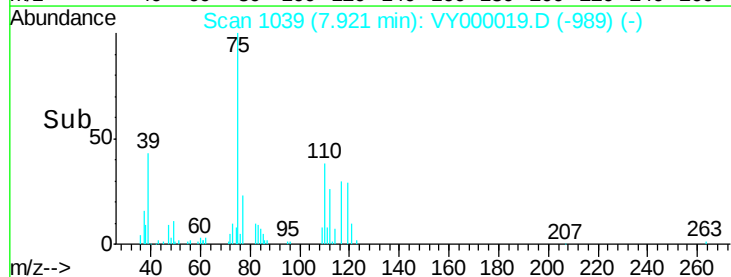
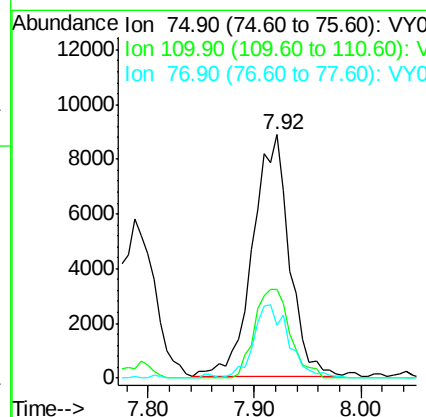
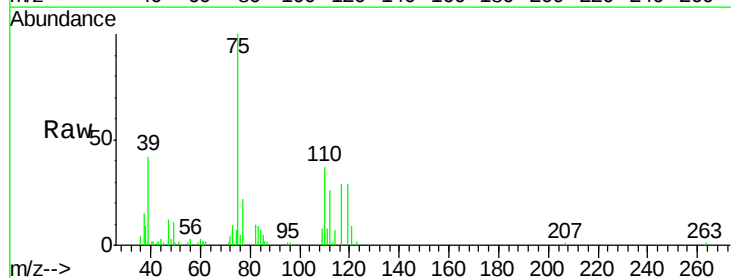
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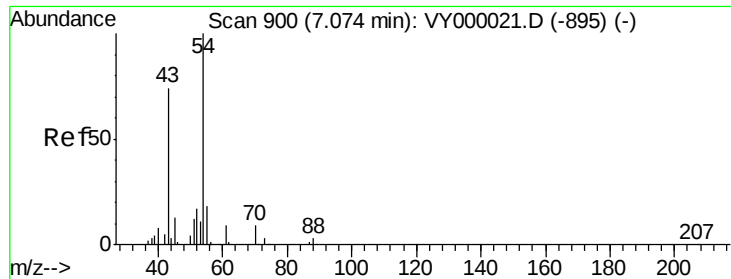
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#36
 1,1-Dichloropropene
 Concen: 10.938 ug/l
 RT: 7.92 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21370		
110	35.8	18.6	55.8	
77	29.4	24.4	36.6	





#37

Ethyl Acetate

Concen: 8.929 ug/l

RT: 7.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

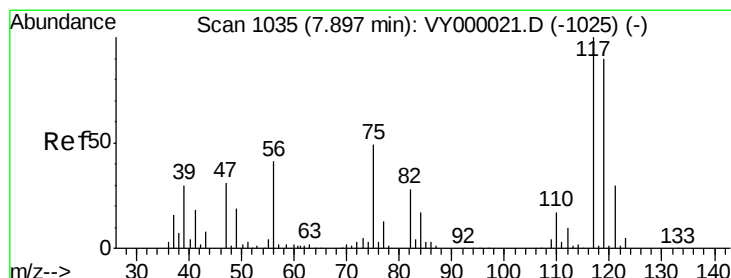
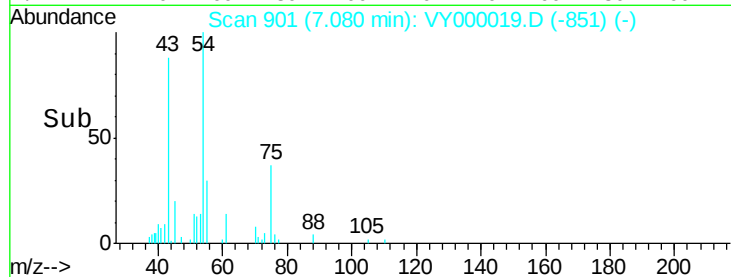
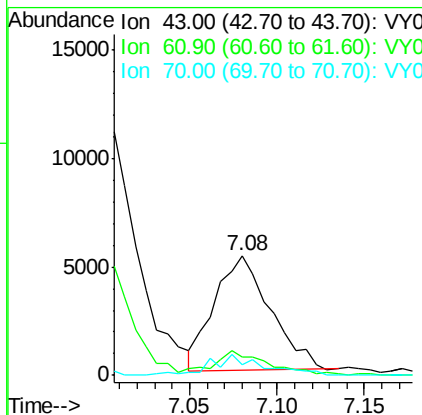
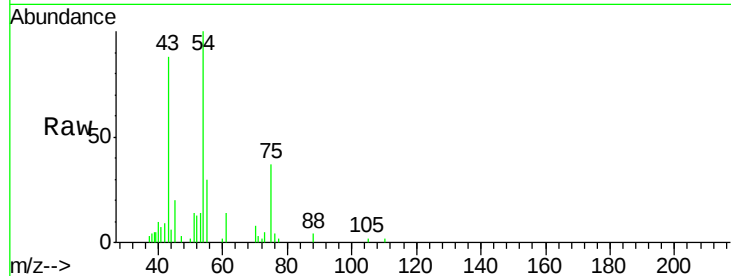
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	11764
Ion Ratio	Lower	Upper	
43	100		
61	20.2	13.1	19.7#
70	16.9	10.9	16.3#

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#38

Carbon Tetrachloride

Concen: 10.307 ug/l

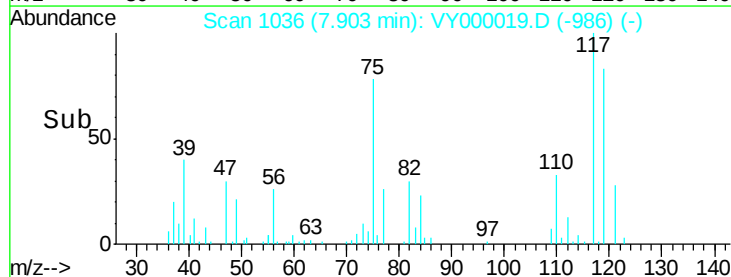
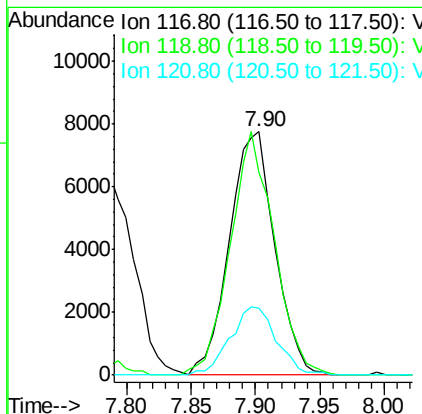
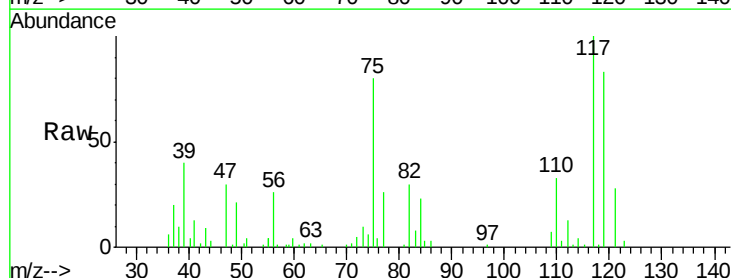
RT: 7.90 min Scan# 1036

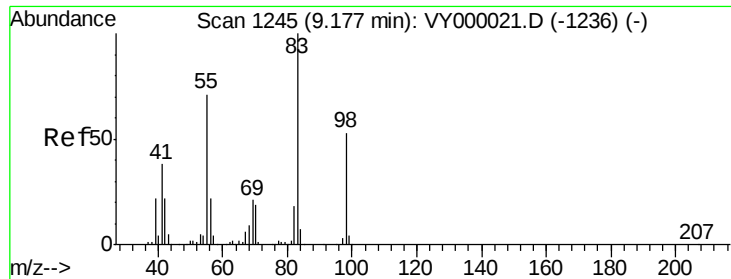
Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tgt Ion:	117	Resp:	19008
Ion Ratio	Lower	Upper	
117	100		
119	83.2	72.1	108.1
121	27.6	23.9	35.9





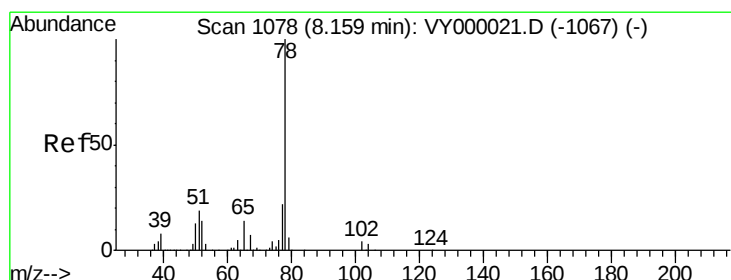
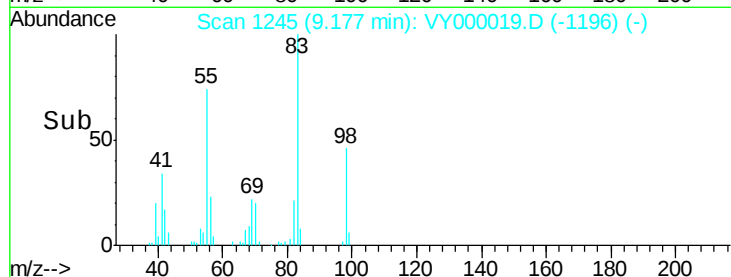
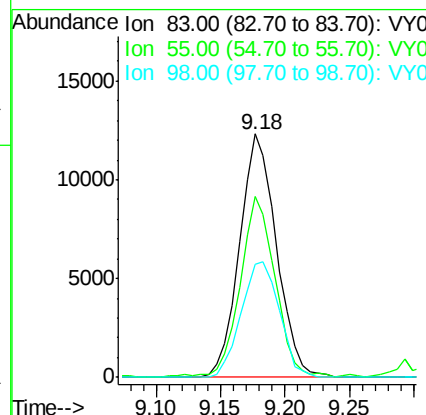
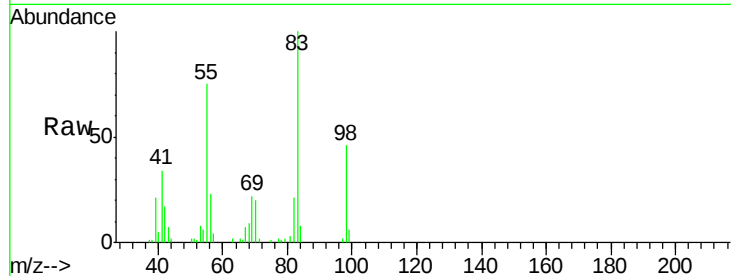
#39
Methvlcvclohexane
Concen: 10.125 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	57.0	85.4
98	46.2	42.0	63.0

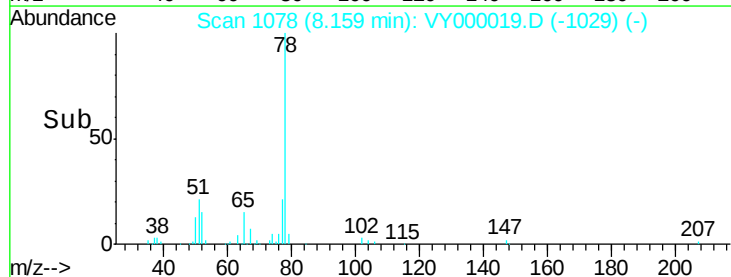
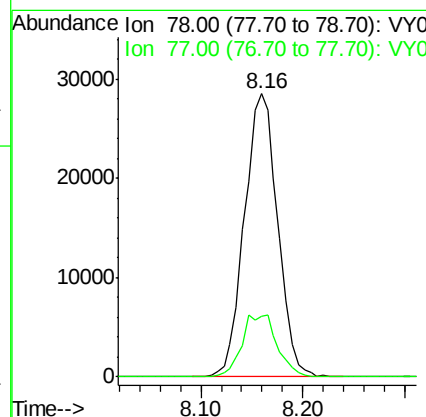
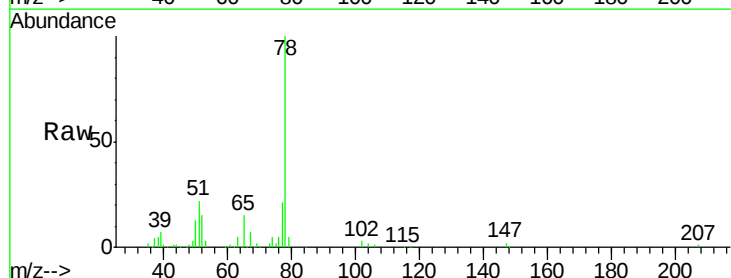
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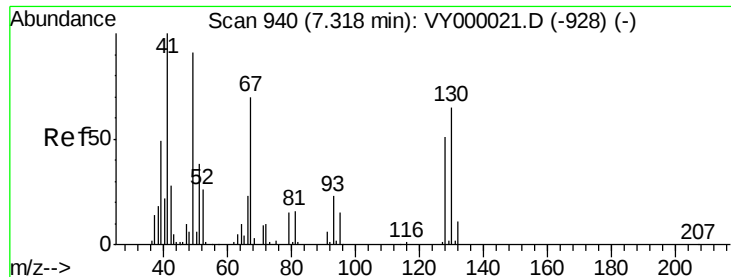
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#40
Benzene
Concen: 10.158 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.3	17.8	26.6





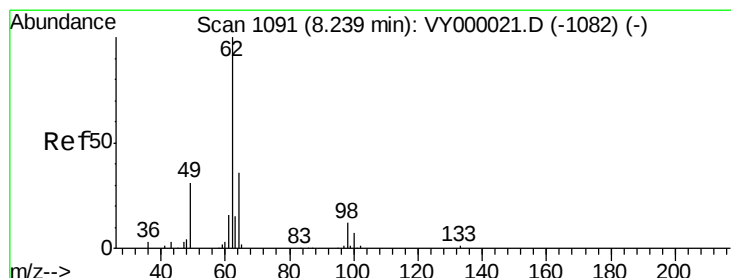
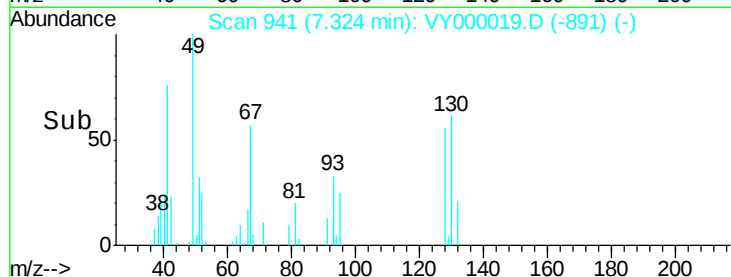
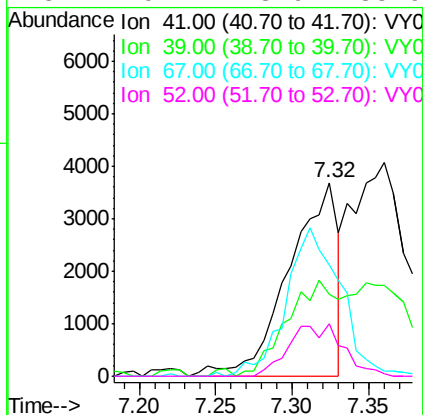
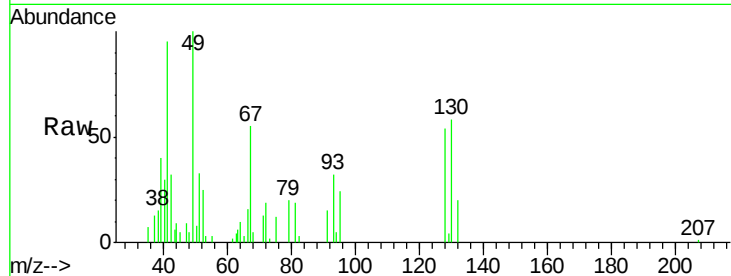
#41
Methacrylonitrile
Concen: 4.783 ug/l
RT: 7.32 min Scan# 941
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	8184
Ion	Ratio	Lower	Upper
41	100		
39	50.3	41.8	62.6
67	86.7	65.8	98.6
52	29.7	23.9	35.9

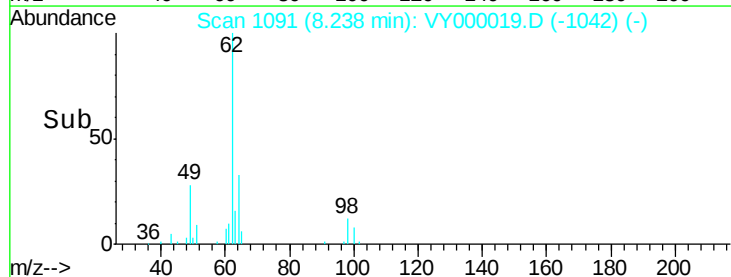
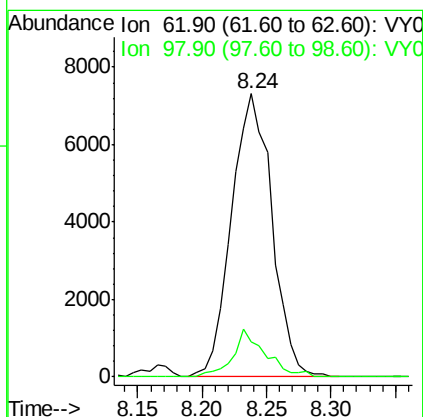
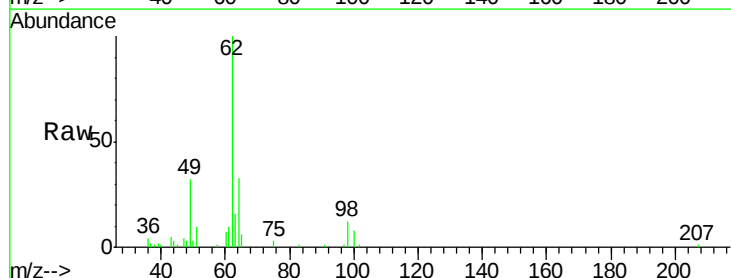
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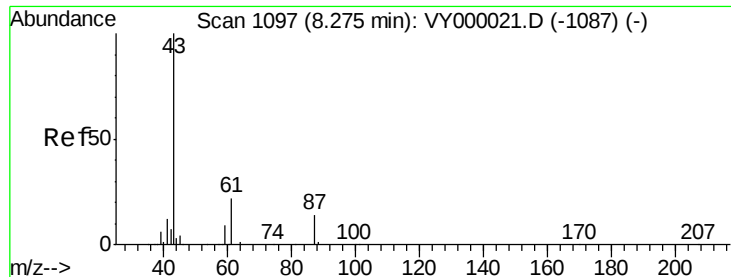
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#42
1,2-Dichloroethane
Concen: 9.795 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion:	62	Resp:	15922
Ion	Ratio	Lower	Upper
62	100		
98	13.5	0.0	23.2





#43

Isopropyl Acetate

Concen: 10.045 ug/l

RT: 8.27 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

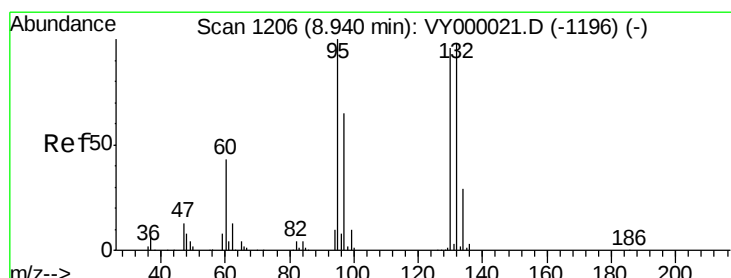
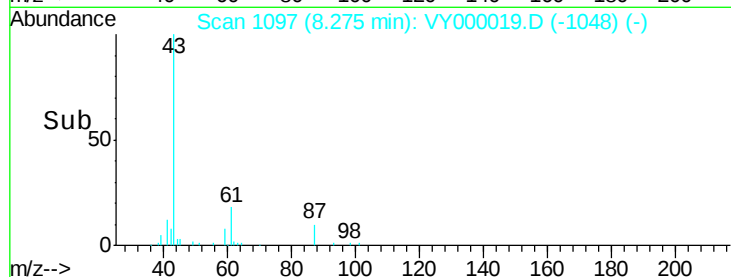
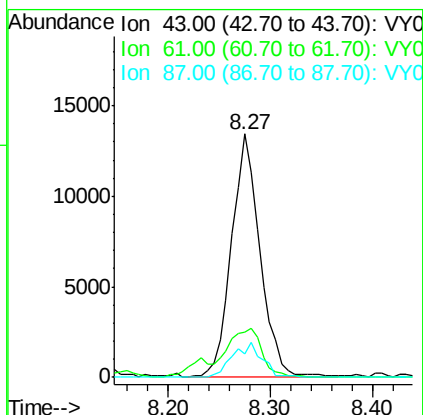
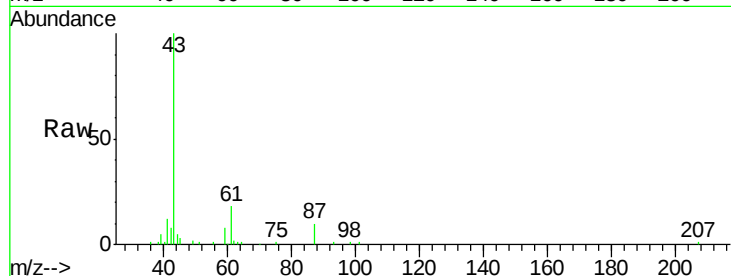
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	25645
Ion	Ratio	Lower	Upper
43	100		
61	24.1	24.9	37.3#
87	14.9	12.3	18.5

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#44

Trichloroethene

Concen: 10.125 ug/l

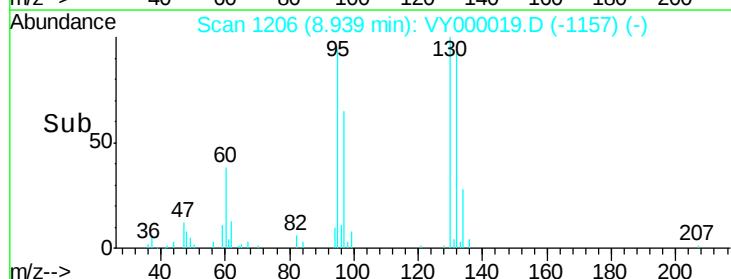
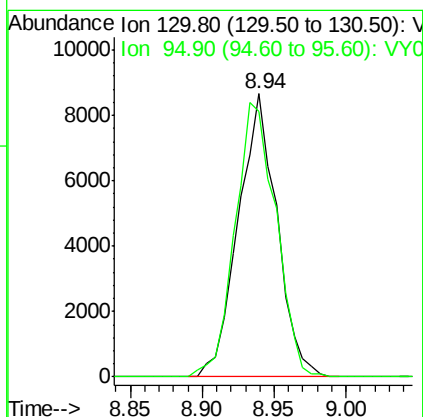
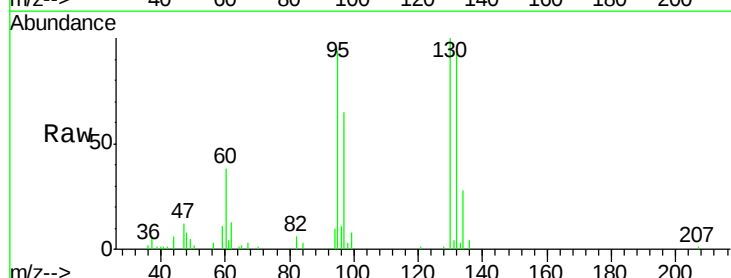
RT: 8.94 min Scan# 1206

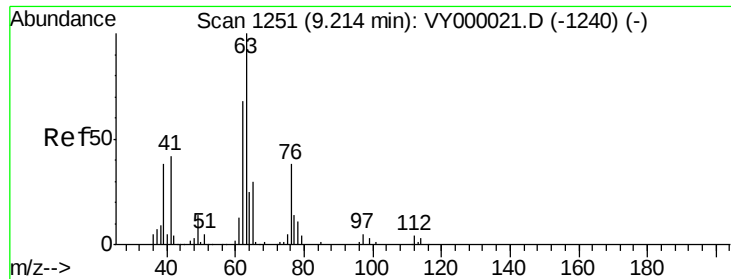
Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tgt Ion:	130	Resp:	16081
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	207.4





#45

1,2-Dichloropropane

Concen: 10.152 ug/l

RT: 9.21 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 16651

Ion Ratio Lower Upper

63 100

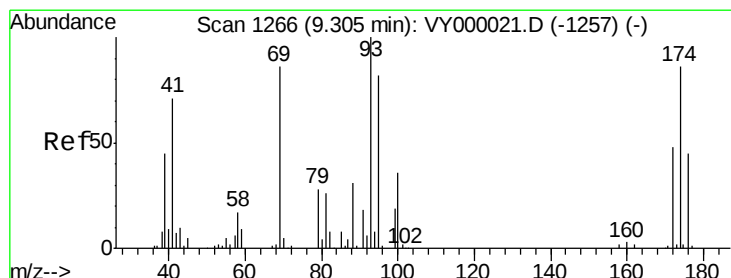
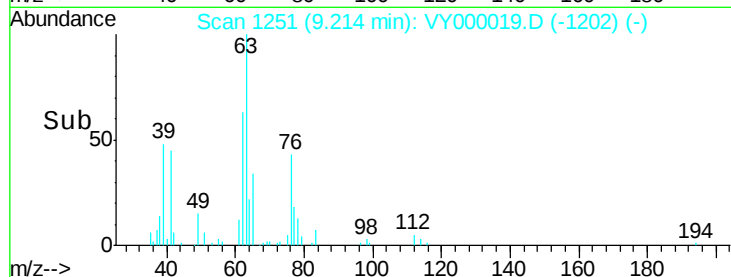
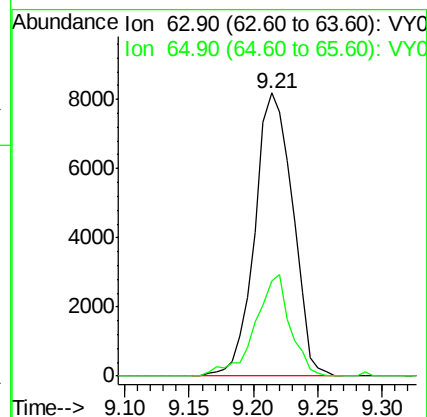
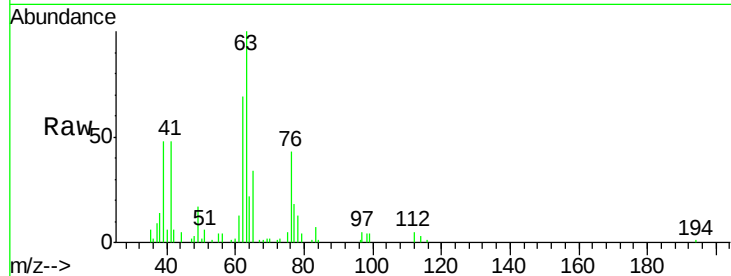
65 33.6 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 10.280 ug/l

RT: 9.31 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

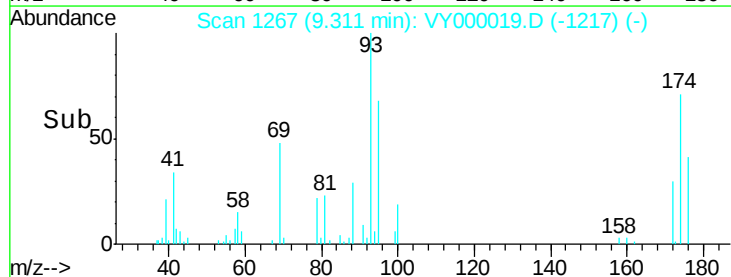
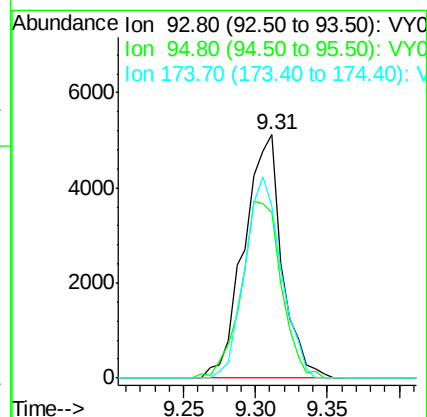
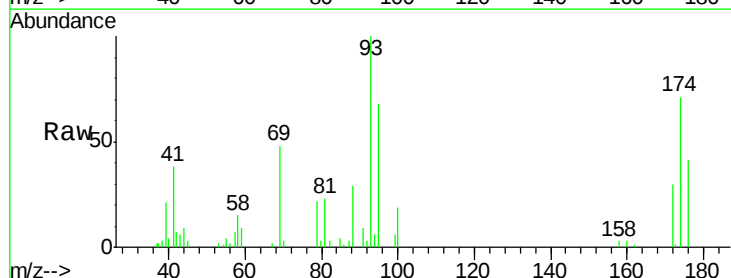
Tgt Ion: 93 Resp: 9357

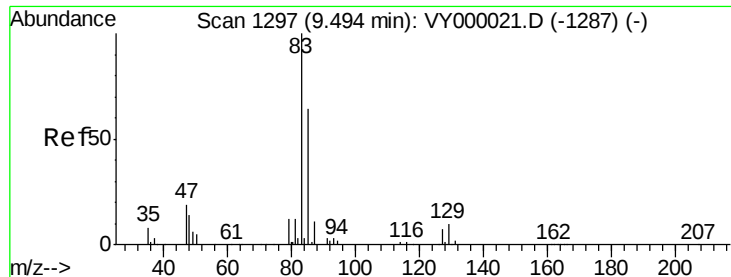
Ion Ratio Lower Upper

93 100

95 75.9 67.0 100.6

174 79.3 68.8 103.2





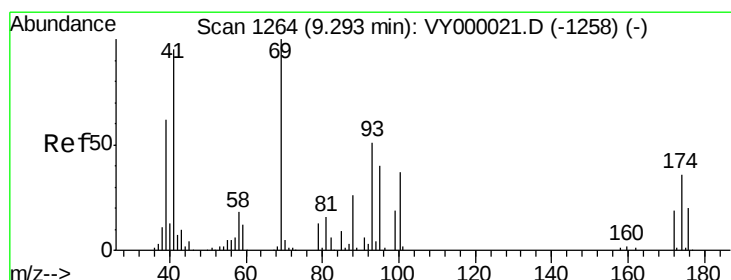
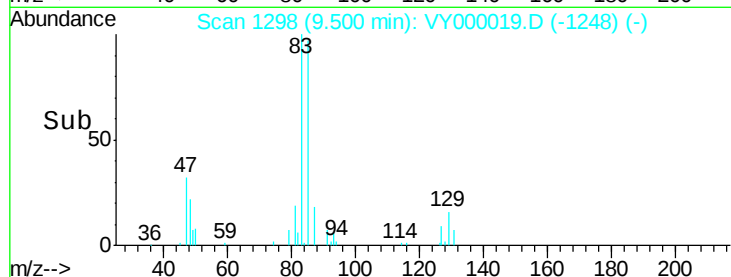
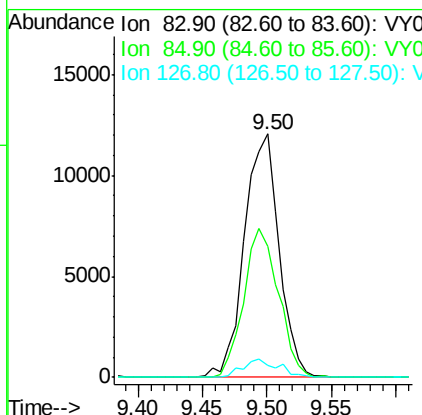
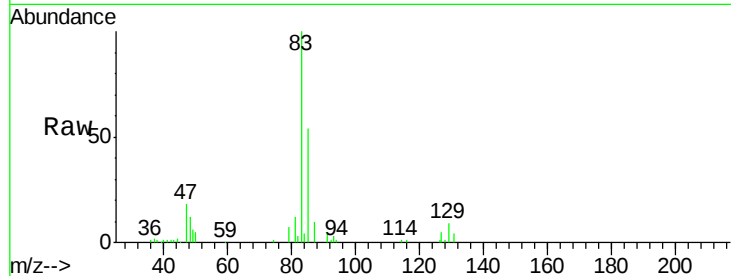
#47
Bromodichloromethane
Concen: 10.289 ug/l
RT: 9.50 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
85	53.9	51.4	77.2
127	5.0	5.4	8.2#

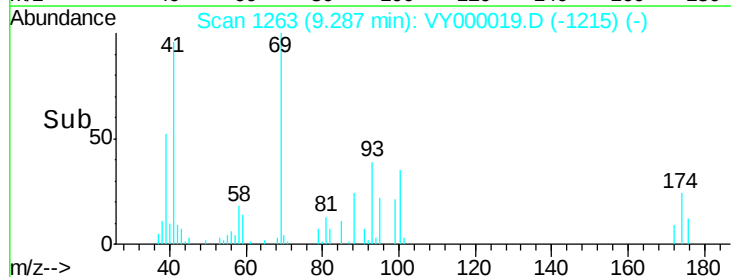
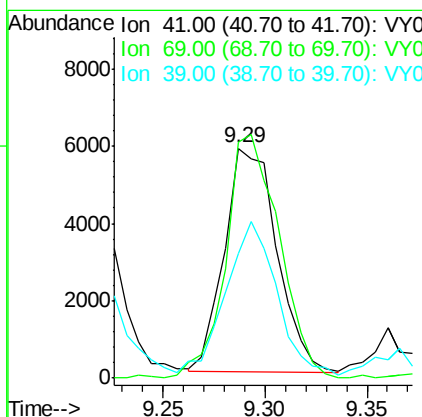
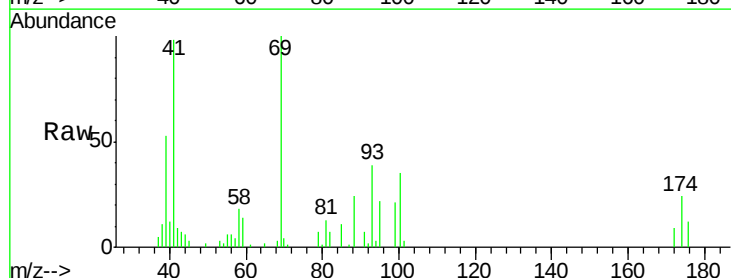
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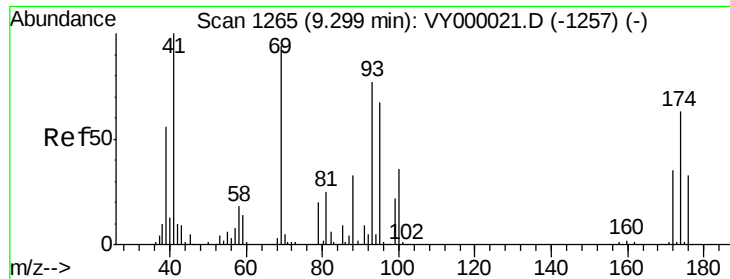
MMDadoda
9/13/2019 11:53:50 PM



#48
Methyl methacrylate
Concen: 9.221 ug/l
RT: 9.29 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
41	100		
69	110.1	79.7	119.5
39	70.1	48.6	72.8





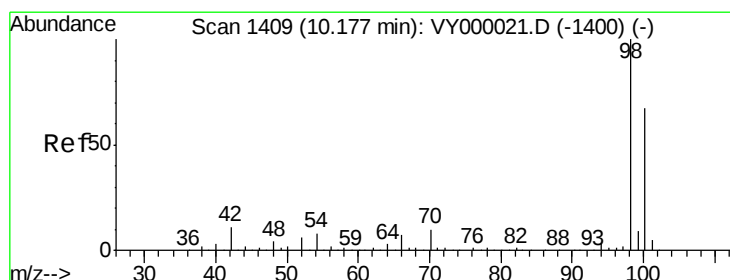
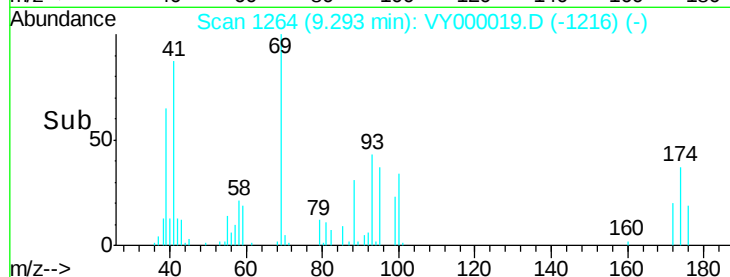
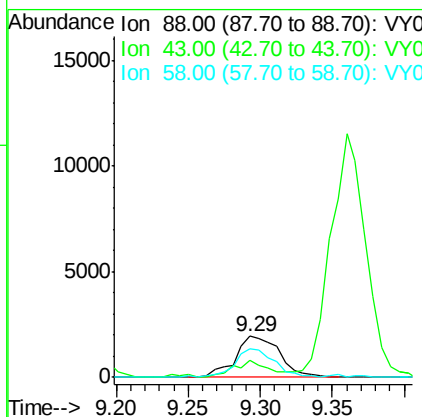
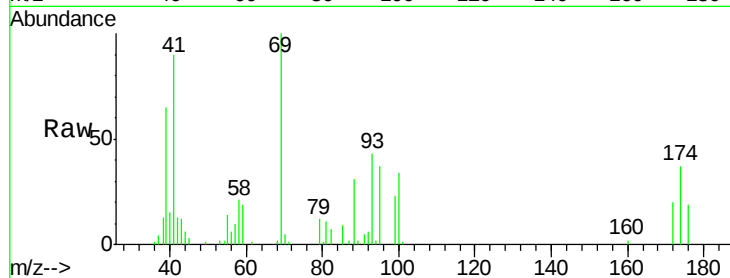
#49
 1,4-Dioxane
 Concen: 217.964 ug/l
 RT: 9.29 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	24.6	37.0
58	62.1	52.7	79.1

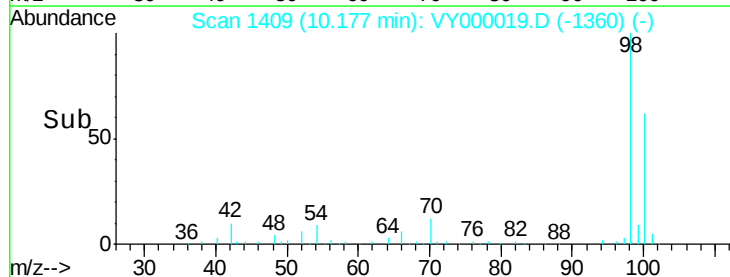
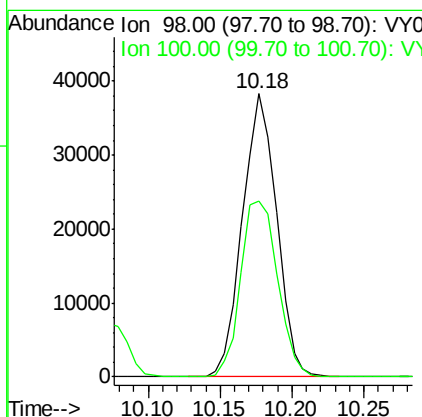
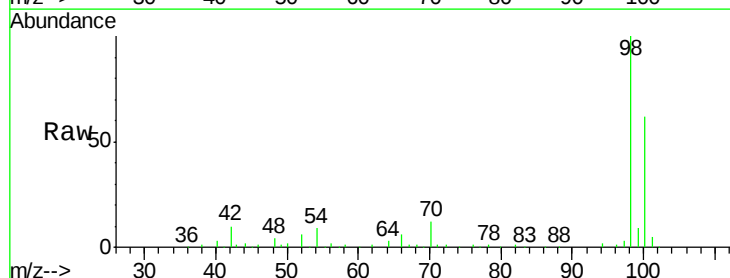
Manual Integrations
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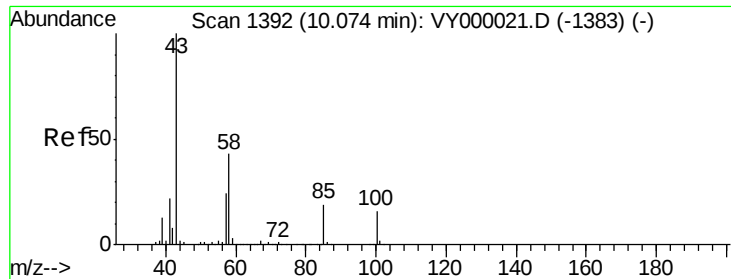
MMDadoda
 9/13/2019 11:53:50 PM



#50
 Toluene-d8
 Concen: 10.265 ug/l
 RT: 10.18 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 48.907 ug/l

RT: 10.07 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 69964

Ion Ratio Lower Upper

43 100

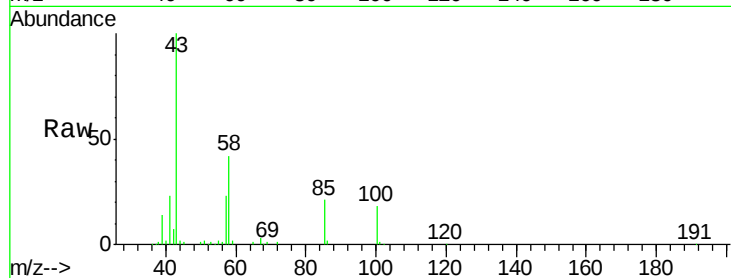
58 44.0 34.1 51.1

Manual Integrations

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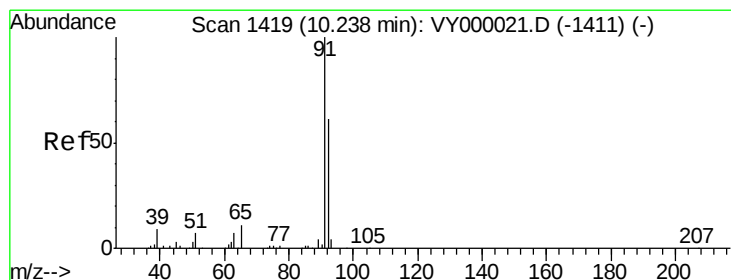
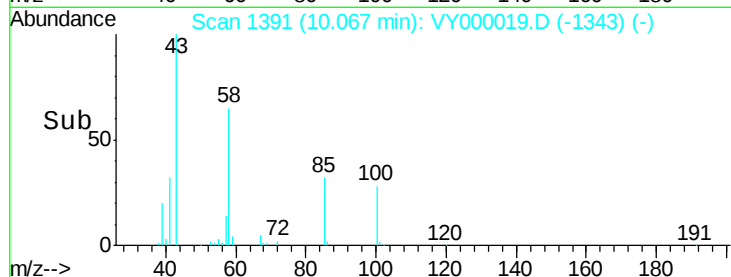
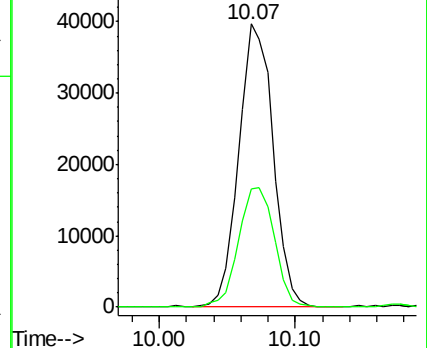
MMDadoda

9/13/2019 11:53:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 10.186 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VY000019.D

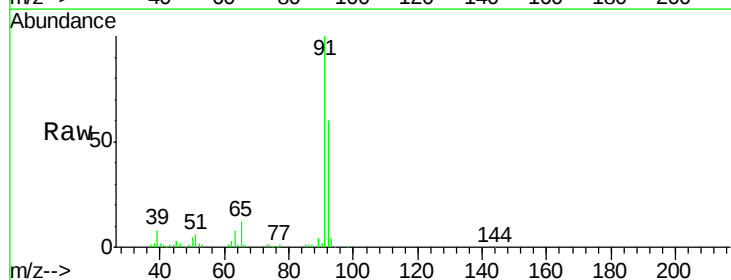
Acq: 12 Sep 2019 11:32

Tgt Ion: 92 Resp: 40712

Ion Ratio Lower Upper

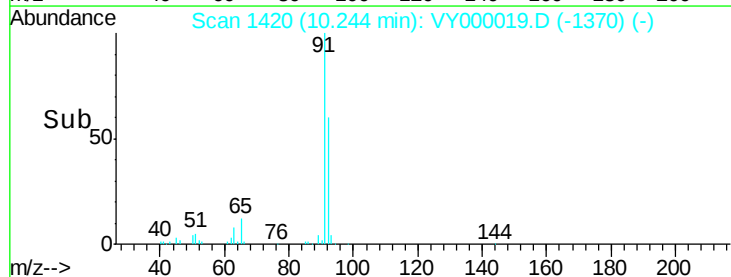
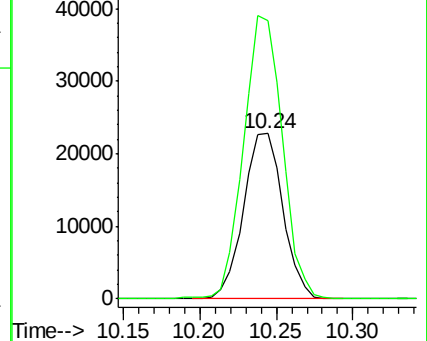
92 100

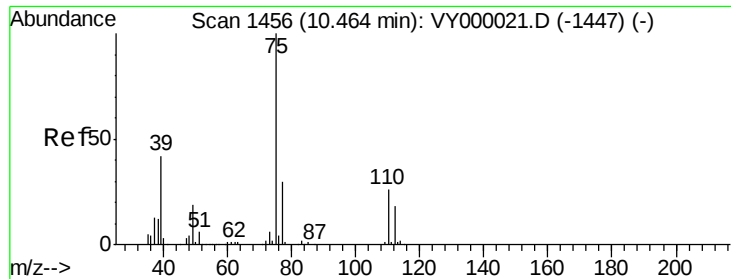
91 169.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





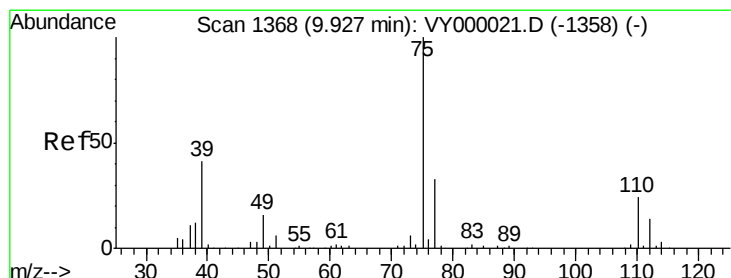
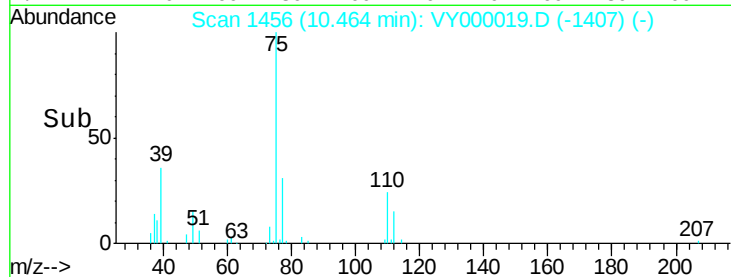
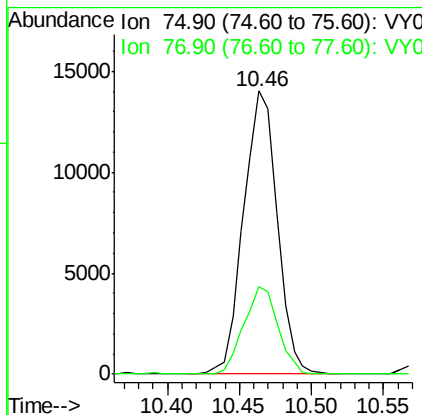
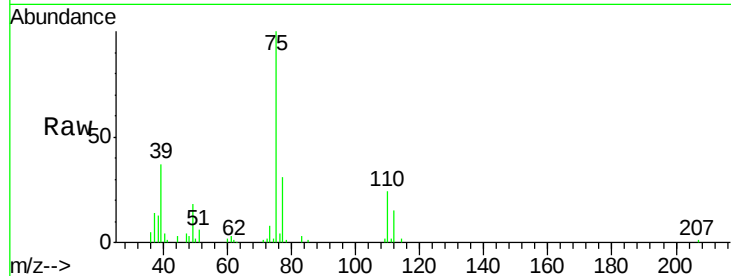
#53
t-1,3-Dichloropropene
Concen: 9.945 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 22721
Ion Ratio Lower Upper
75 100
77 31.1 23.8 35.8

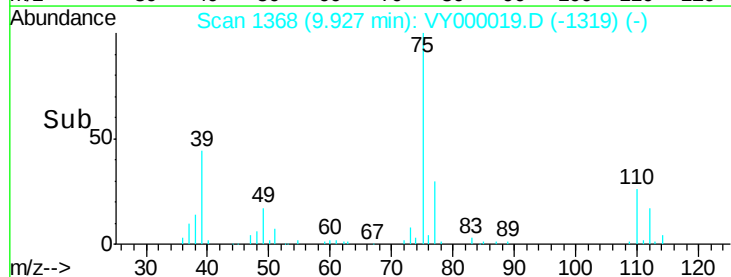
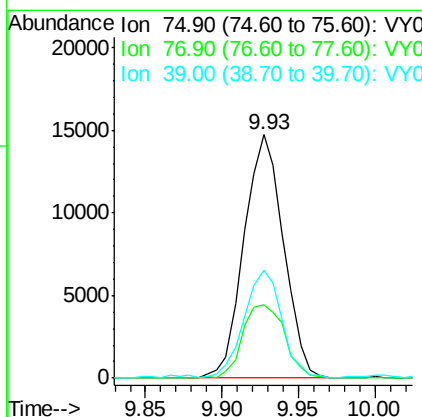
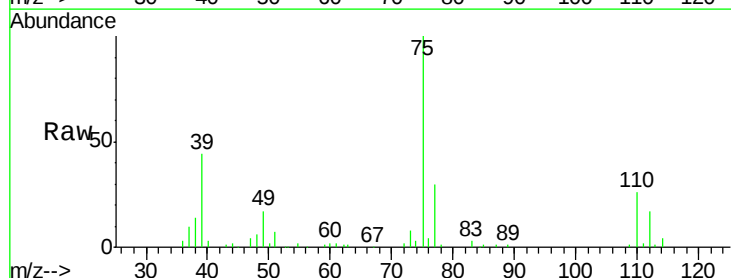
Manual Integrations
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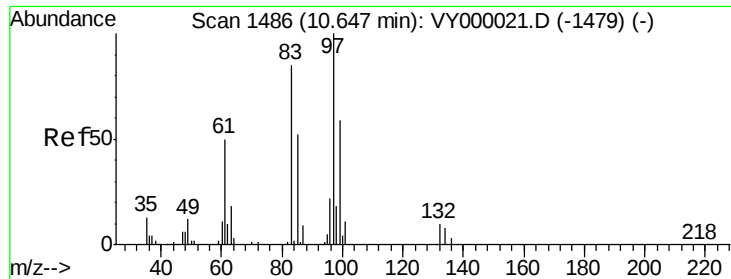
MMDadoda
9/13/2019 11:53:50 PM



#54
cis-1,3-Dichloropropene
Concen: 9.930 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion: 75 Resp: 26397
Ion Ratio Lower Upper
75 100
77 30.3 26.3 39.5
39 44.2 32.9 49.3





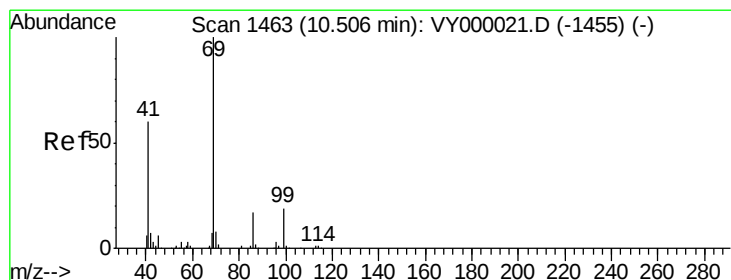
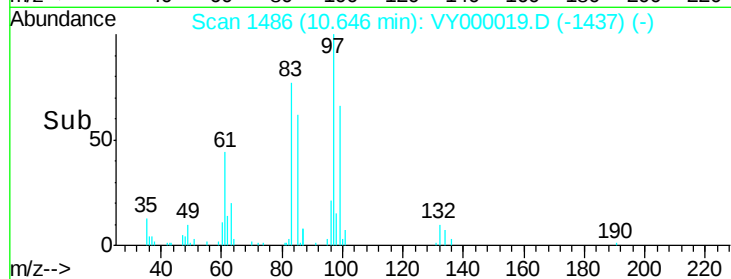
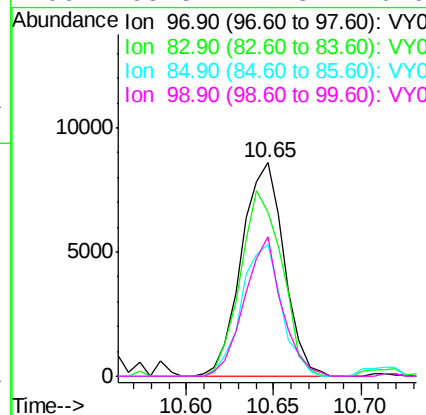
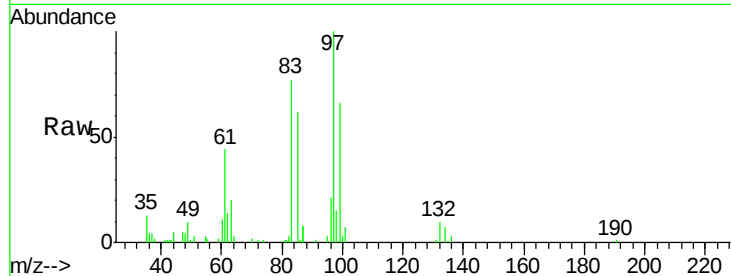
#55
 1,1,2-Trichloroethane
 Concen: 10.119 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	14596
Ion	Ratio	Lower	Upper
97	100		
83	76.9	68.2	102.2
85	61.6	41.7	62.5
99	65.5	47.3	70.9

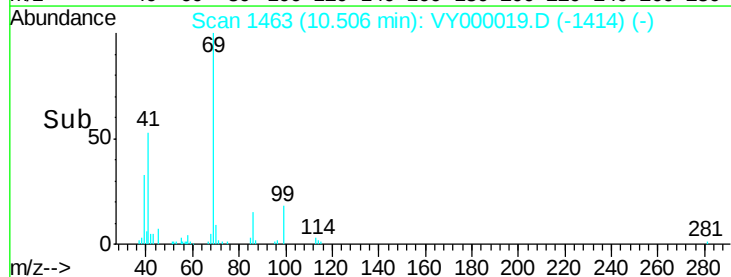
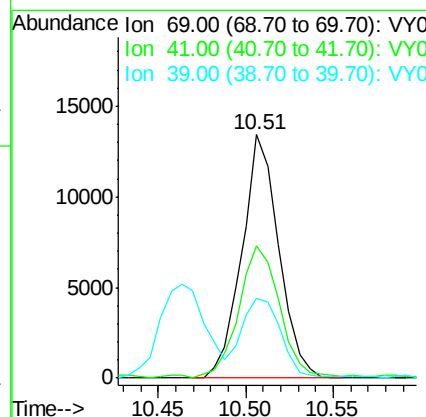
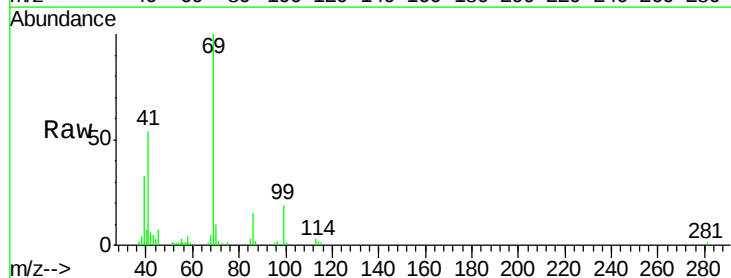
Manual Integrations
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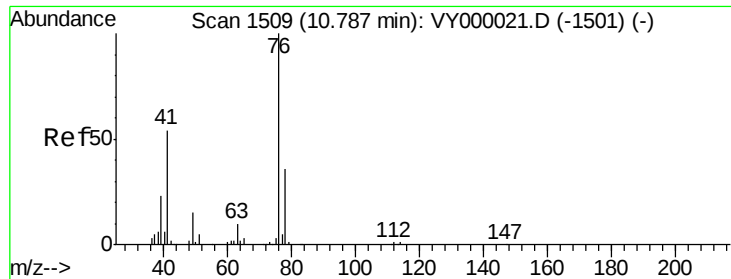
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 9.724 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion:	69	Resp:	19686
Ion	Ratio	Lower	Upper
69	100		
41	61.0	47.0	70.4
39	34.2	26.4	39.6





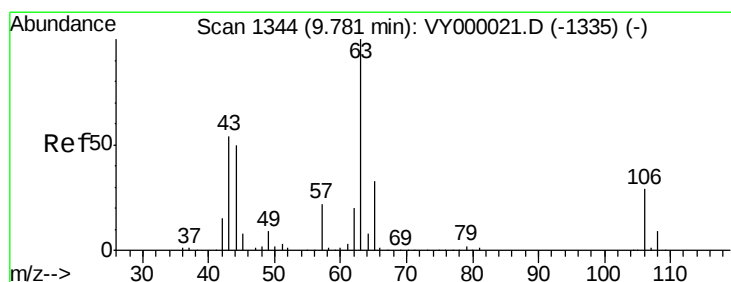
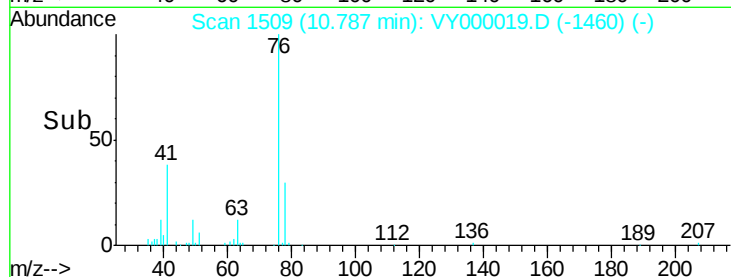
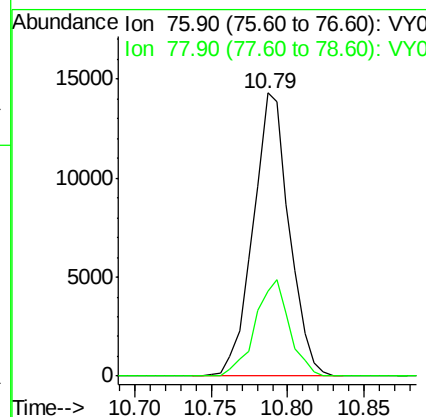
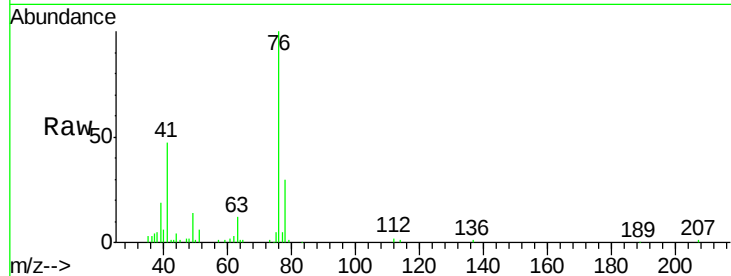
#57
 1,3-Dichloropropane
 Concen: 10.186 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 23498
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0

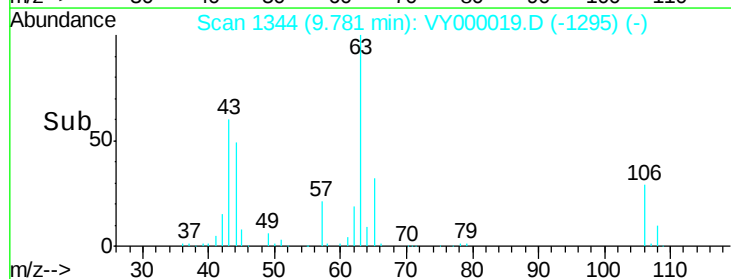
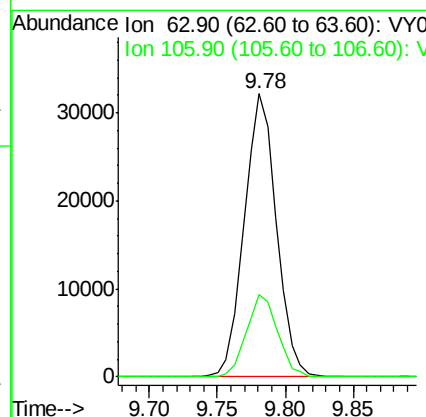
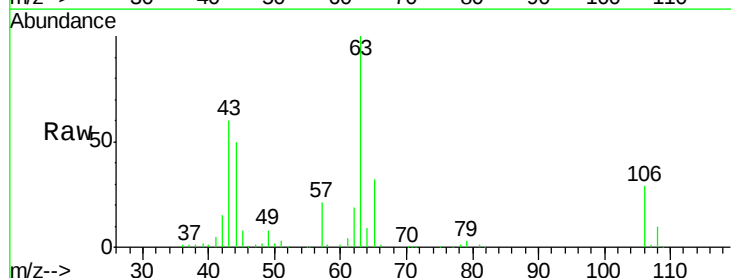
Manual Integrations
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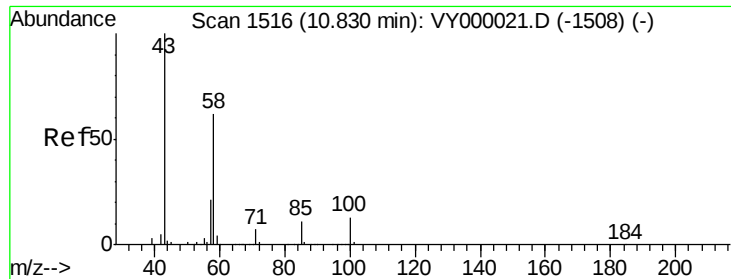
MMDadoda
 9/13/2019 11:53:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 48.001 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion: 63 Resp: 53229
 Ion Ratio Lower Upper
 63 100
 106 28.2 23.7 35.5





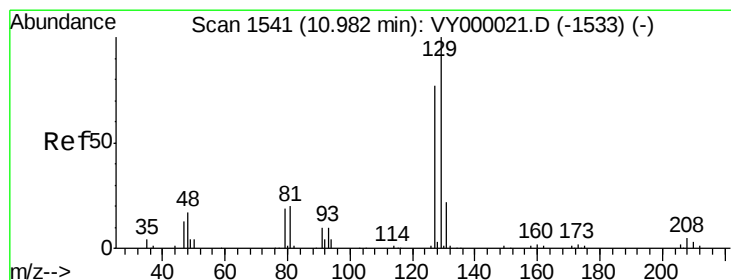
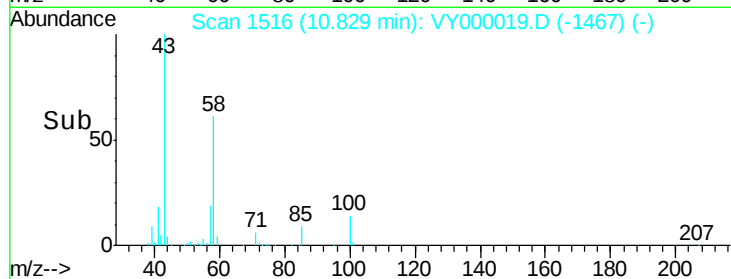
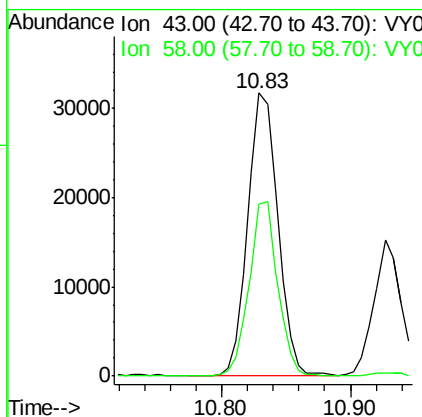
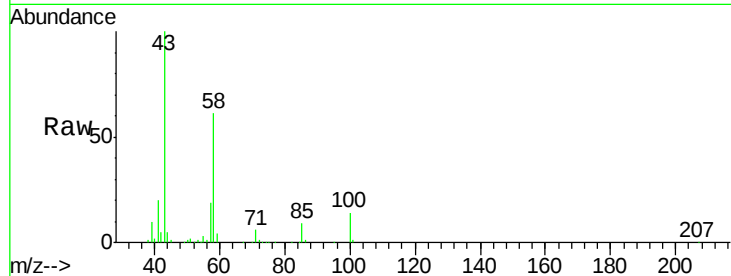
#59
2-Hexanone
Concen: 49.675 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.2	30.3	90.8

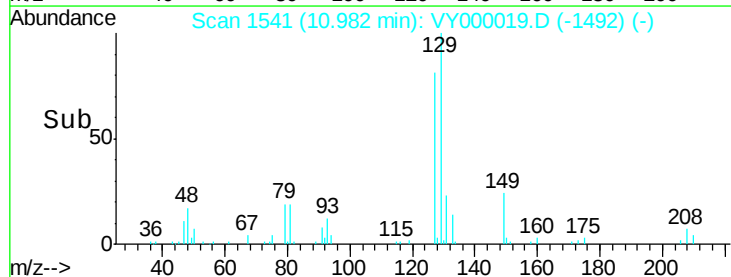
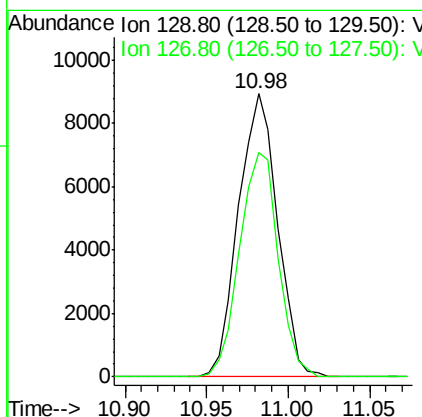
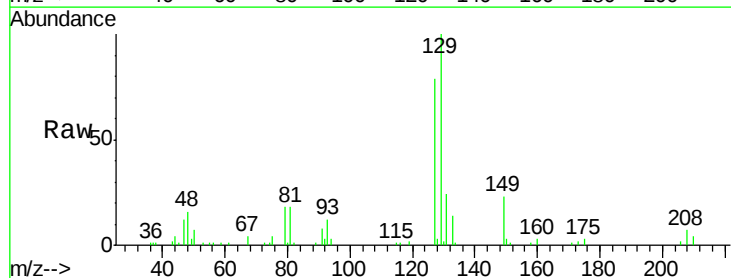
Manual Integrations
APPROVED

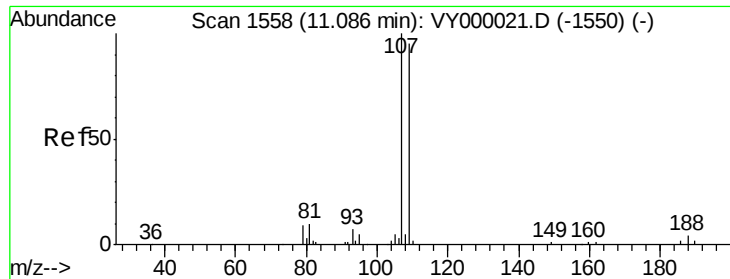
MMDadoda
9/13/2019 11:53:50 PM



#60
Dibromochloromethane
Concen: 9.816 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.4	115.2





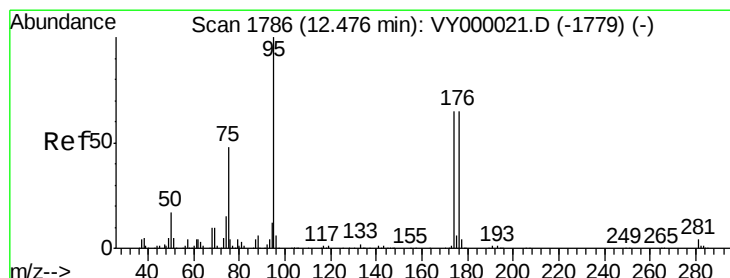
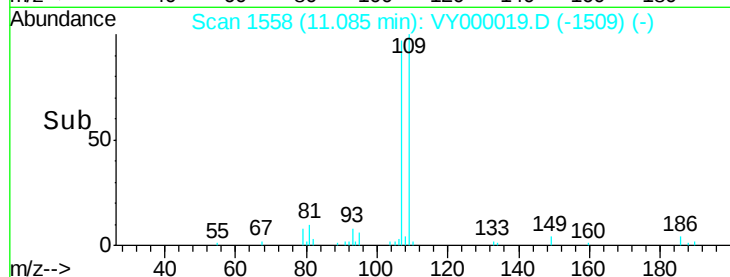
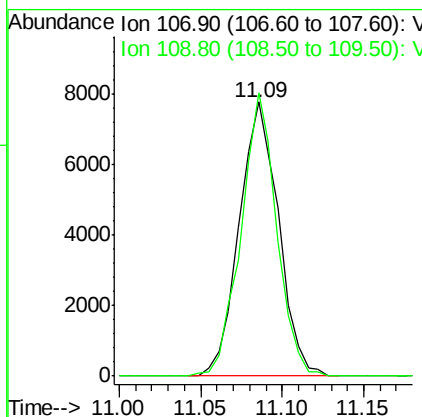
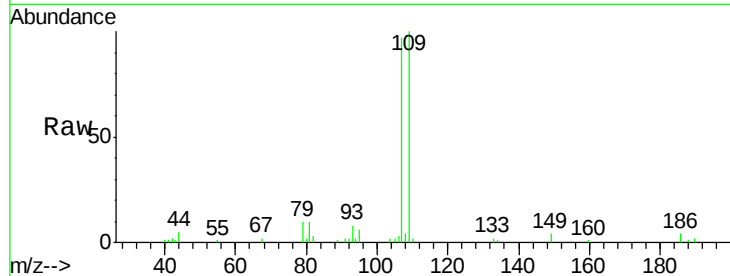
#61
 1,2-Dibromoethane
 Concen: 10.228 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.7	115.1

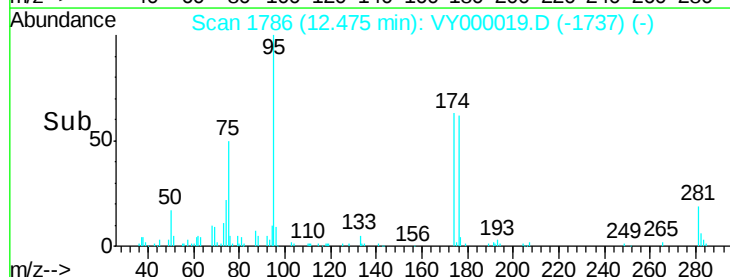
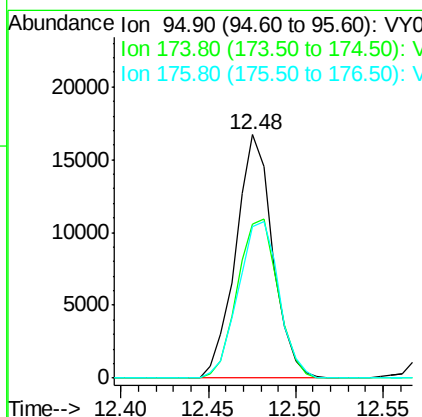
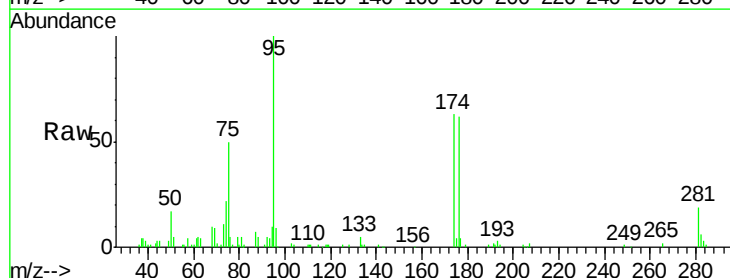
Manual Integrations
 APPROVED

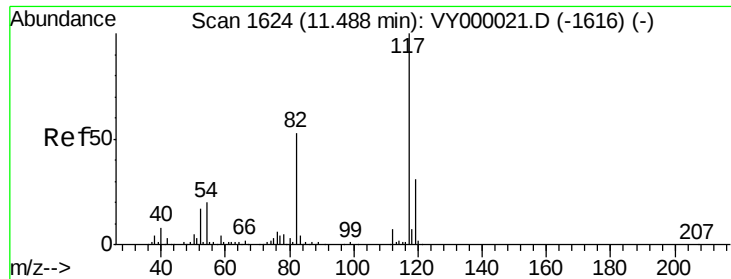
MMDadoda
 9/13/2019 11:53:50 PM



#62
 4-Bromofluorobenzene
 Concen: 10.973 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	137.6
176	71.0	0.0	134.8





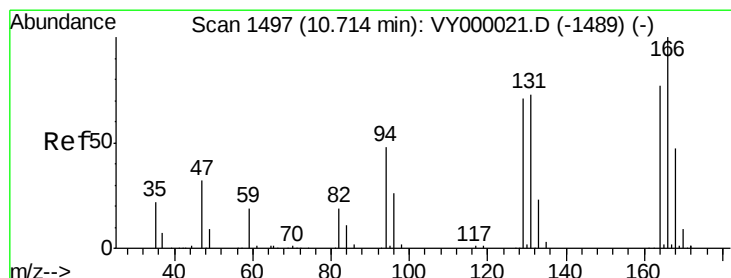
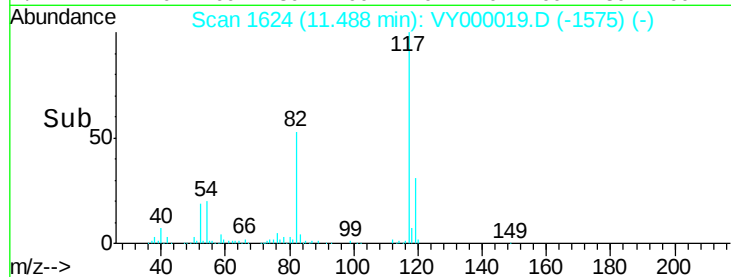
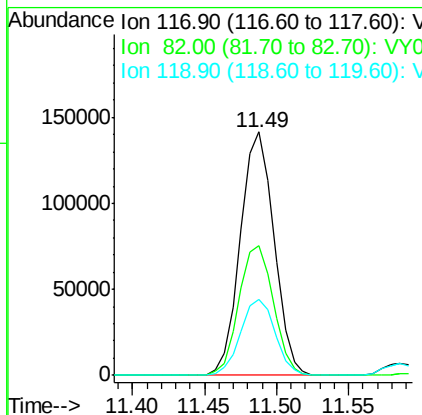
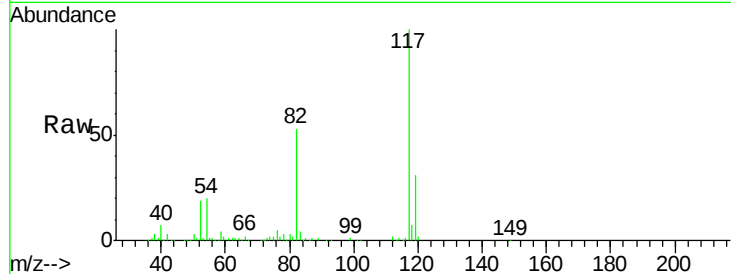
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.5	63.7
119	31.4	25.1	37.7

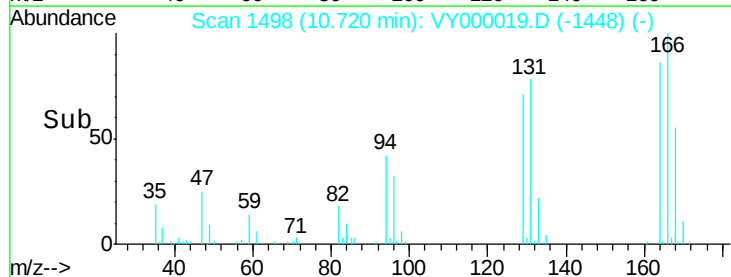
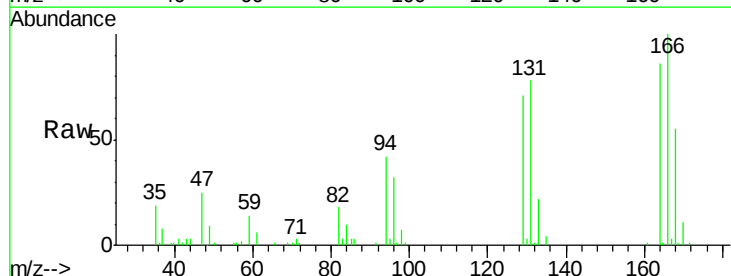
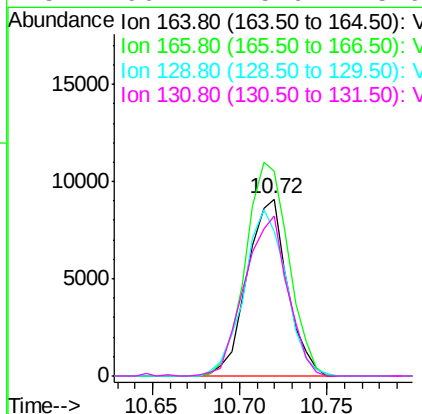
Manual Integrations
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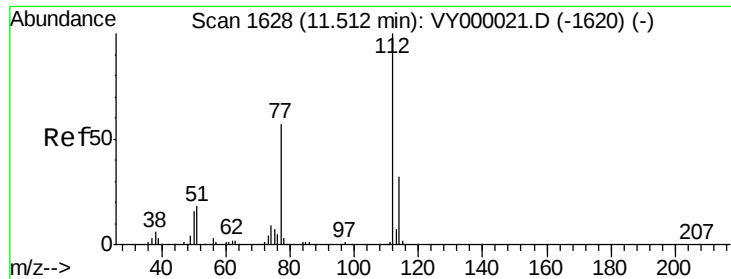
MMDadoda
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#64
Tetrachloroethene
Concen: 10.307 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	115.7	103.4	155.0
129	81.9	73.4	110.0
131	90.4	75.9	113.9





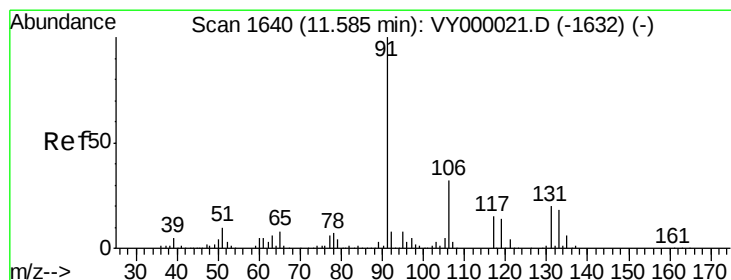
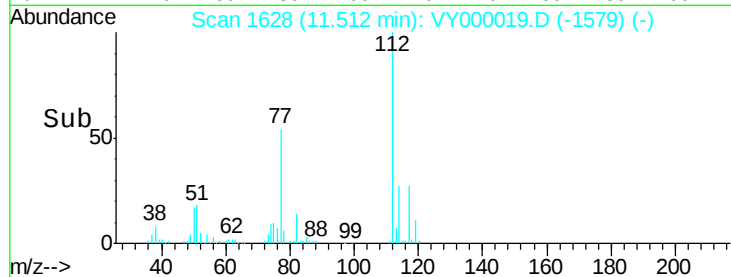
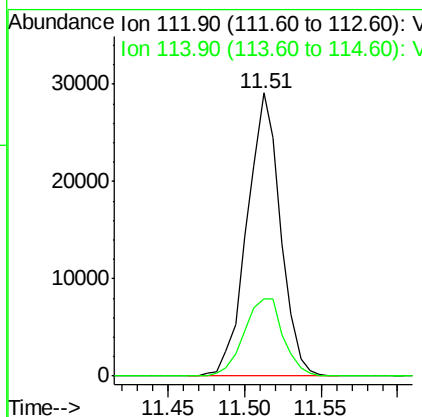
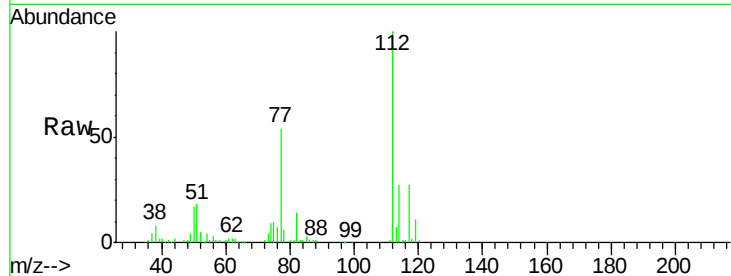
#65
Chlorobenzene
Concen: 10.094 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	27.2	25.4	38.2

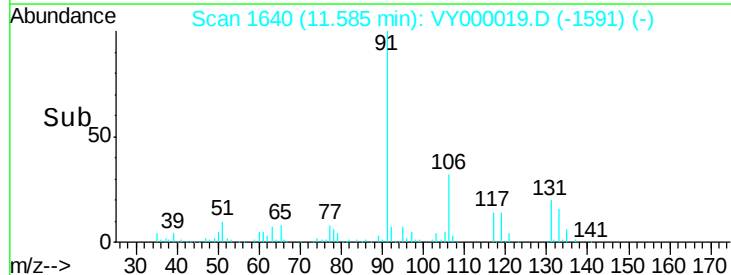
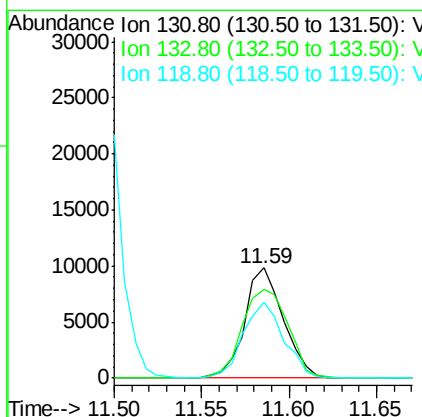
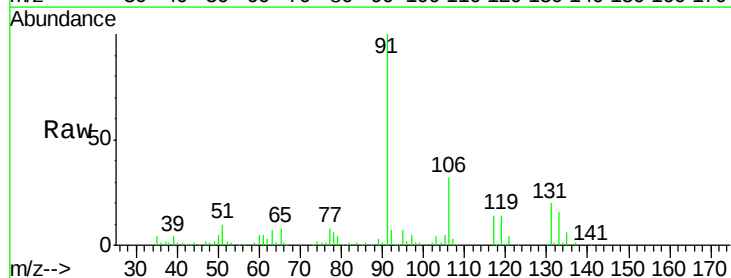
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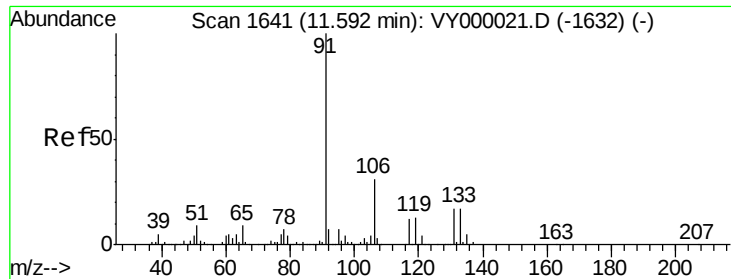
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.960 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.2	141.6
119	71.9	35.4	106.3





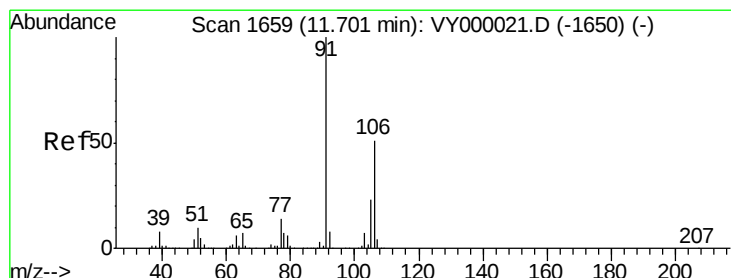
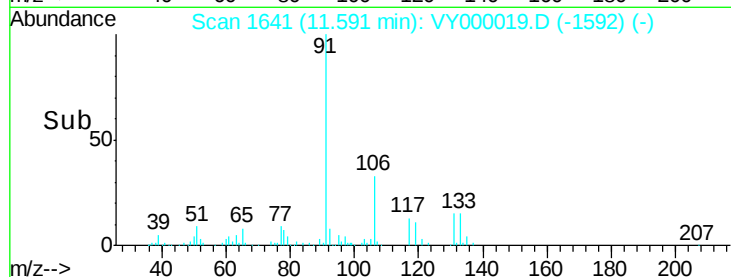
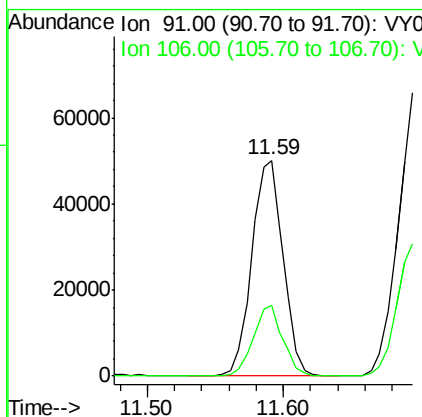
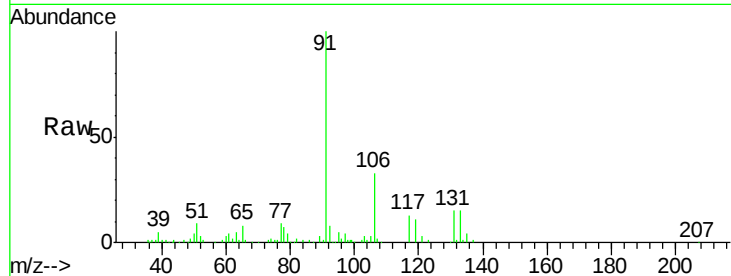
#67
Ethyl Benzene
Concen: 10.172 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 80920
Ion Ratio Lower Upper
91 100
106 32.9 24.6 37.0

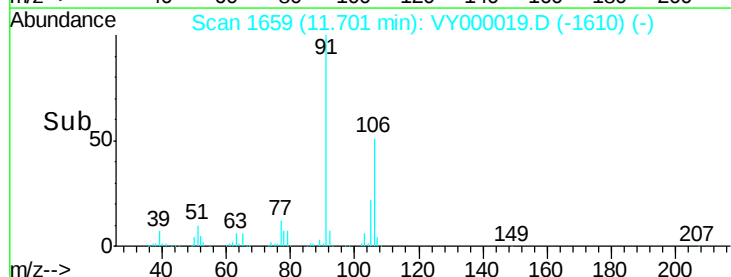
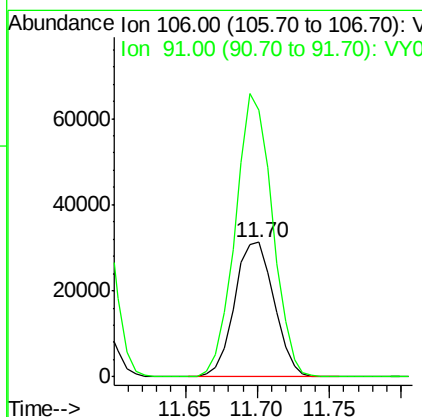
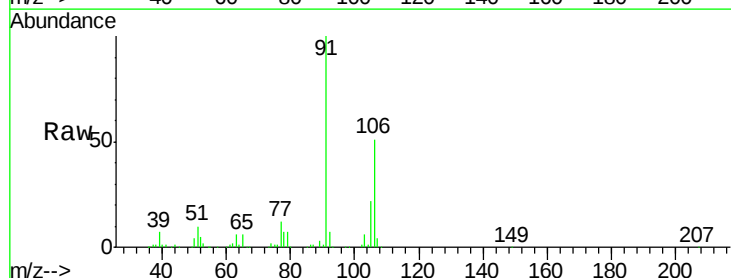
Manual Integrations
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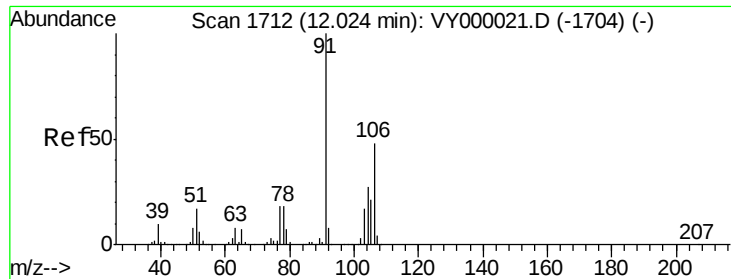
MMDadoda
9/13/2019 11:53:50 PM



#68
m/p-Xylenes
Concen: 19.938 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion: 106 Resp: 59849
Ion Ratio Lower Upper
106 100
91 196.5 158.5 237.7





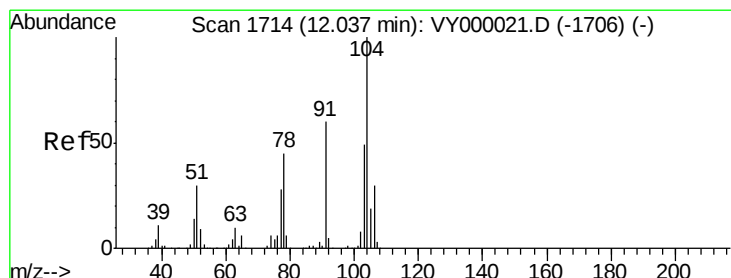
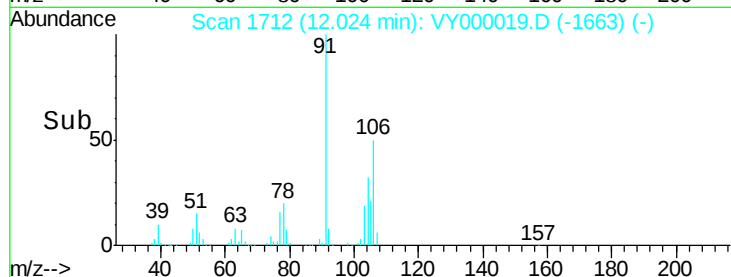
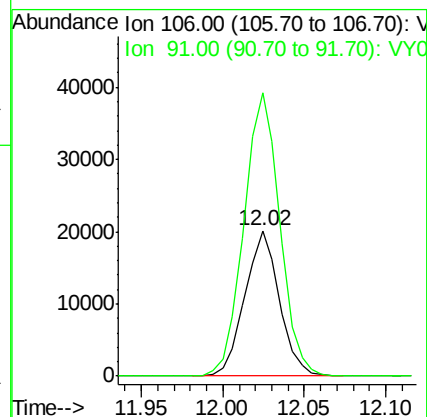
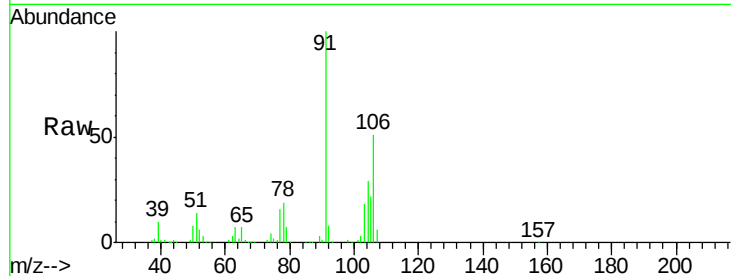
#69
o-Xylene
Concen: 10.074 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.5	104.0	312.0

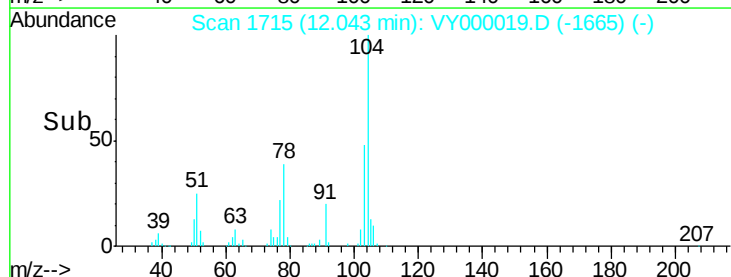
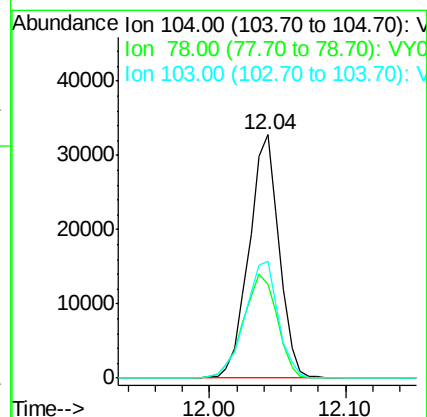
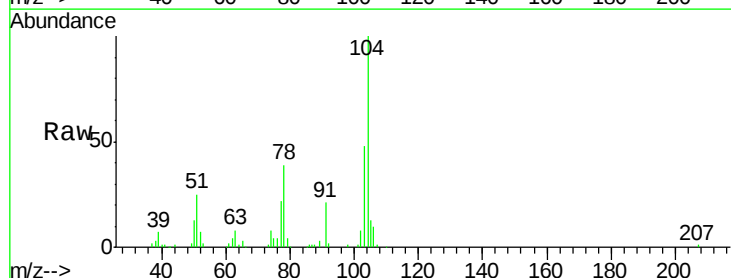
Manual Integrations
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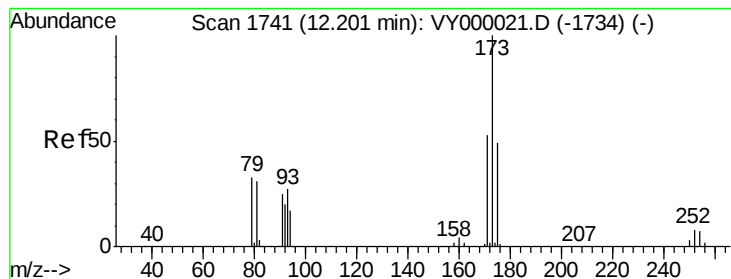
MMDadoda
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#70
Styrene
Concen: 9.906 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.0	57.0
103	53.0	42.4	63.6





#71

Bromoform

Concen: 10.334 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

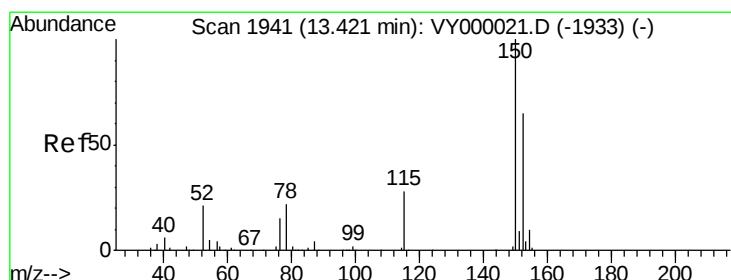
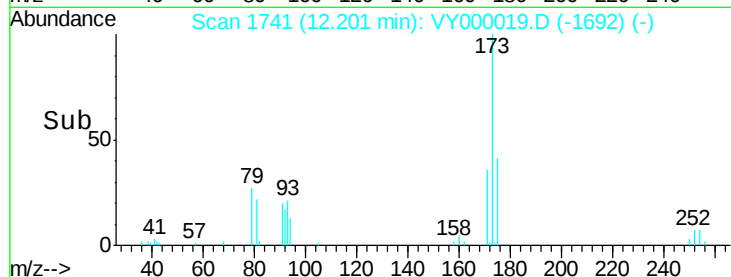
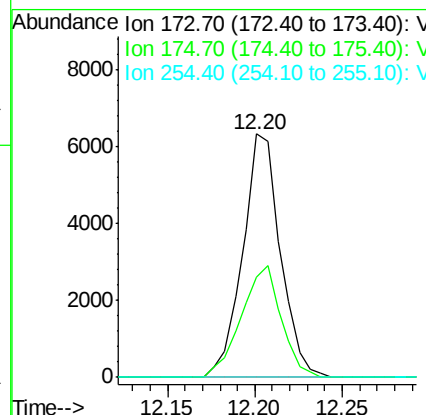
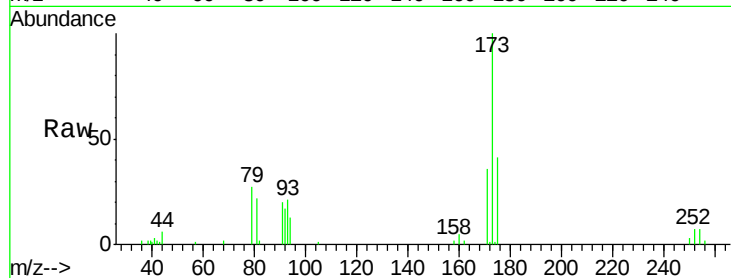
ClientSampleId :

VSTDIC010

Tot Ion:	173	Resp:	9467
Ion	Ratio	Lower	Upper
173	100		
175	48.6	25.1	75.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

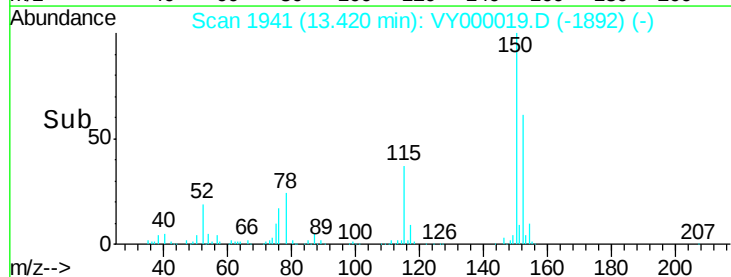
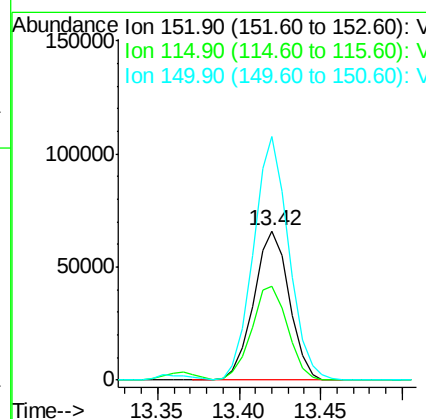
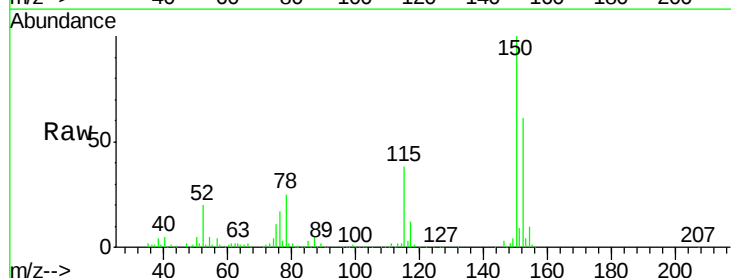
RT: 13.42 min Scan# 1941

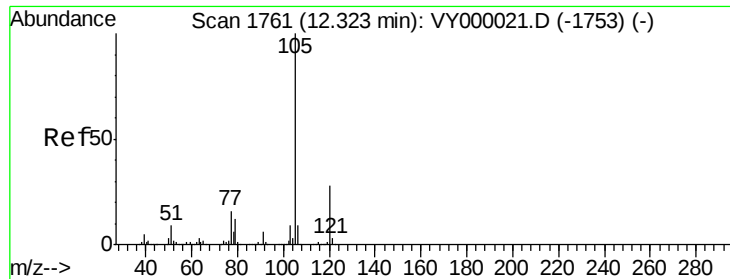
Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tgt Ion:	152	Resp:	99619
Ion	Ratio	Lower	Upper
152	100		
115	64.6	29.4	88.2
150	162.7	0.0	349.0





#73

Isopropylbenzene

Concen: 10.289 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 78315

Ion Ratio Lower Upper

105 100

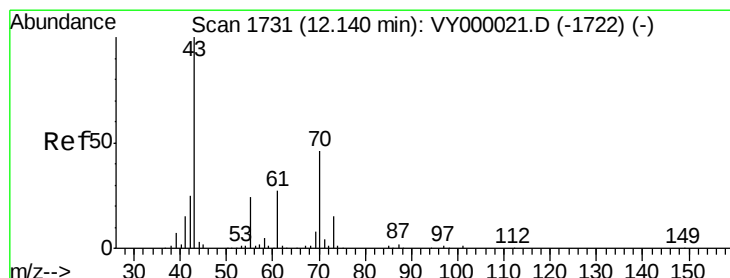
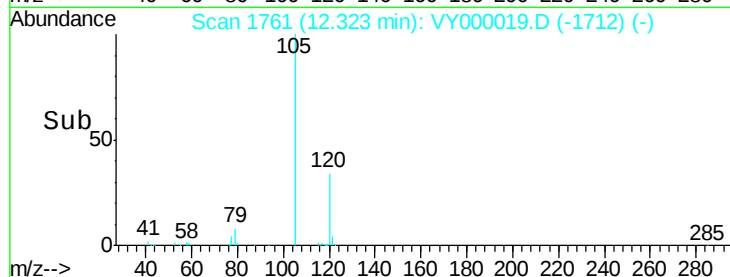
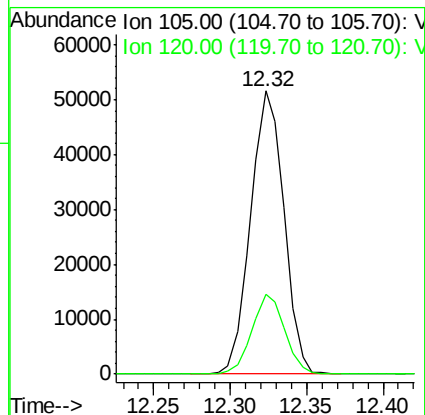
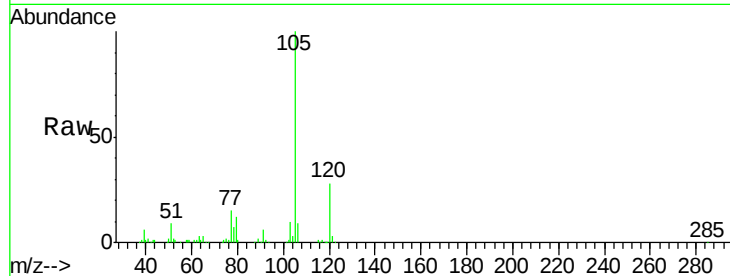
120 27.8 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 9.039 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tgt Ion: 43 Resp: 20309

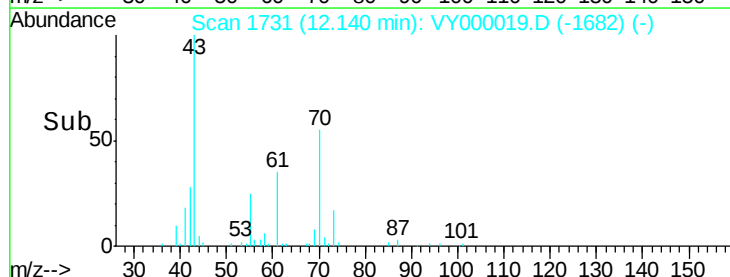
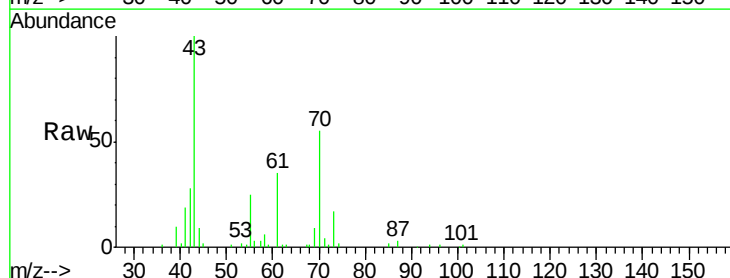
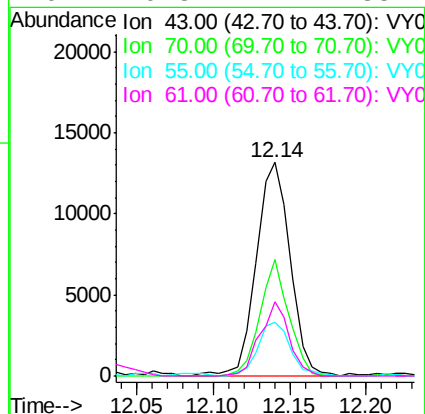
Ion Ratio Lower Upper

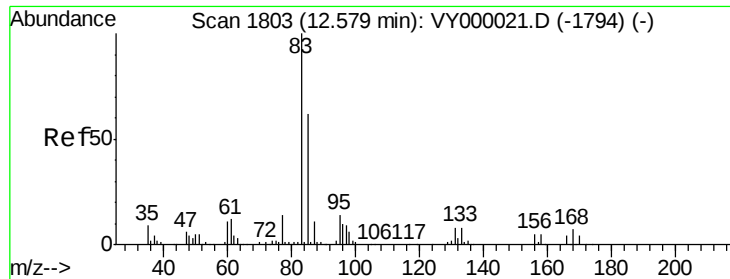
43 100

70 46.6 38.1 57.1

55 24.7 18.7 28.1

61 29.8 22.1 33.1





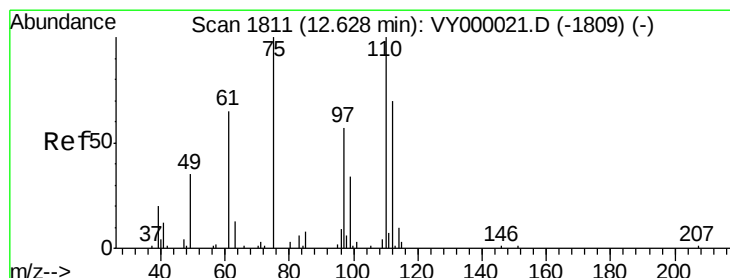
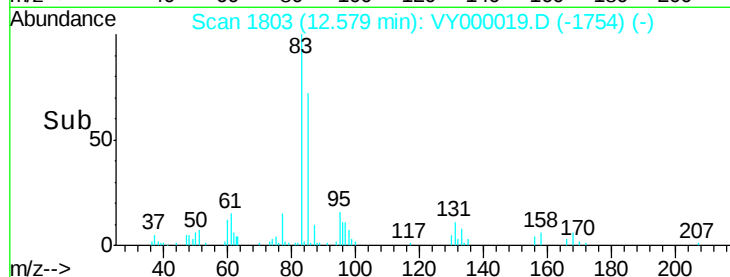
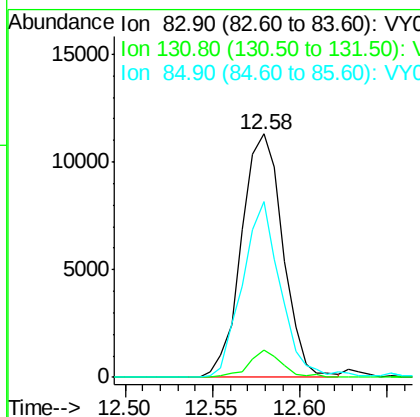
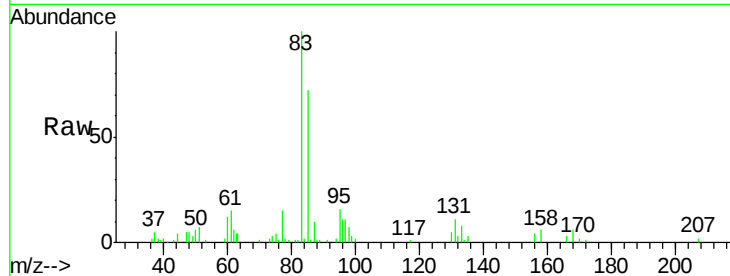
#75
 1,1,2,2-Tetrachloroethane
 Concen: 10.230 ug/l
 RT: 12.58 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	18617		
131	8.9	4.6	13.8	
85	67.1	31.8	95.3	

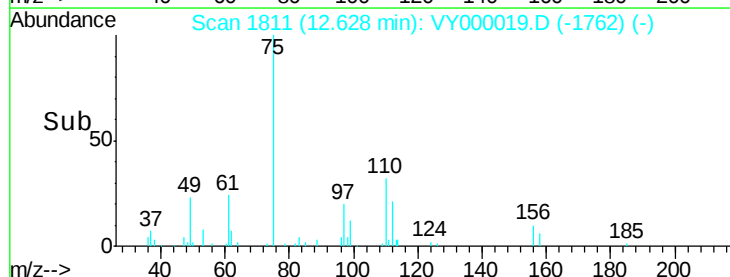
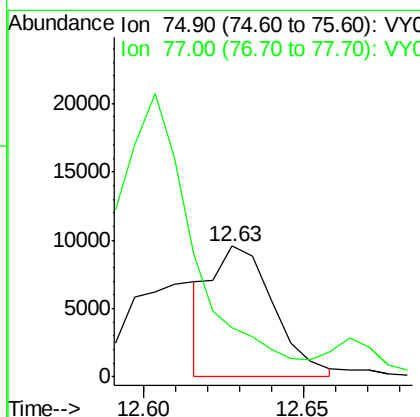
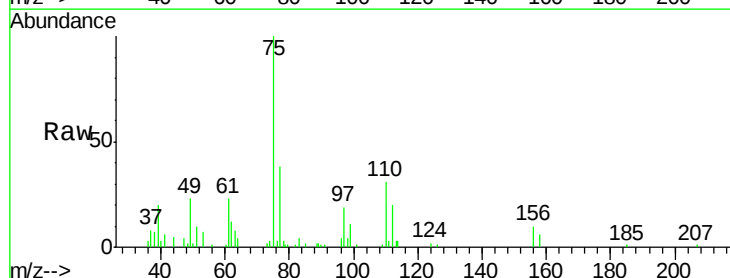
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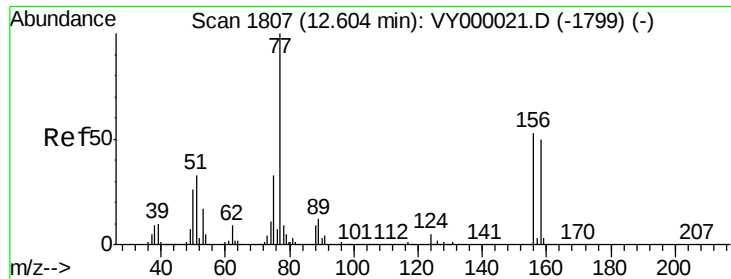
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 5.851 ug/l m
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12928		
77	0.0	0.0	0.0	





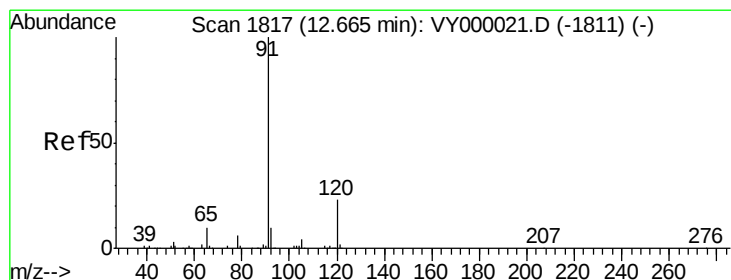
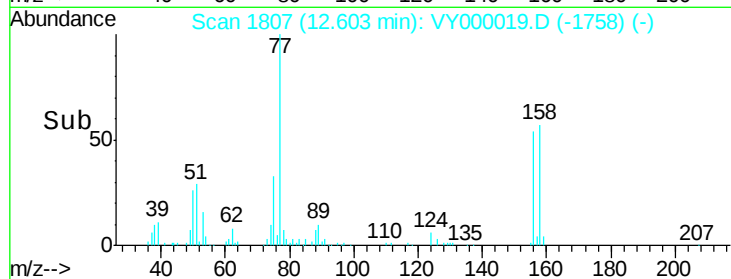
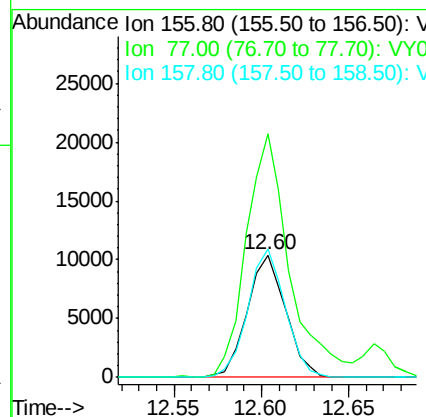
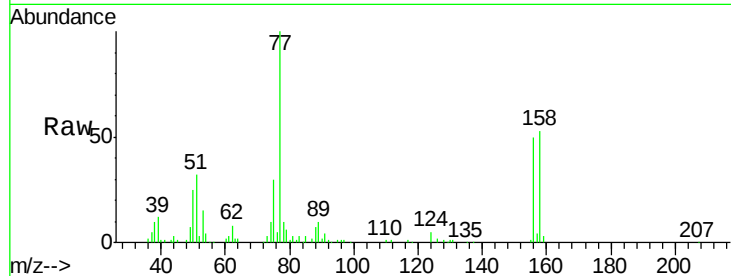
#77
Bromobenzene
Concen: 9.866 ug/l
RT: 12.60 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	225.7	106.0	317.9		
158	102.3	47.3	141.9		

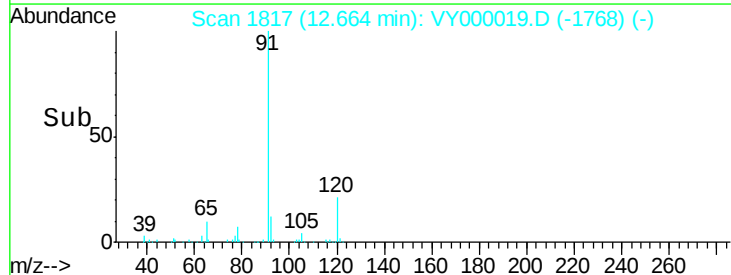
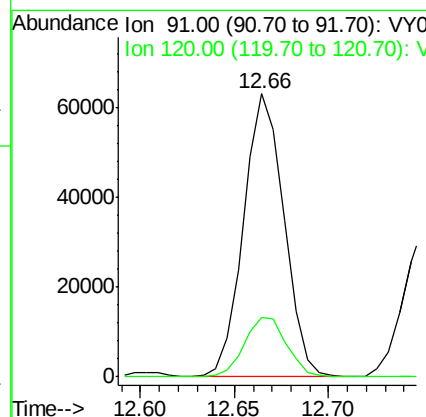
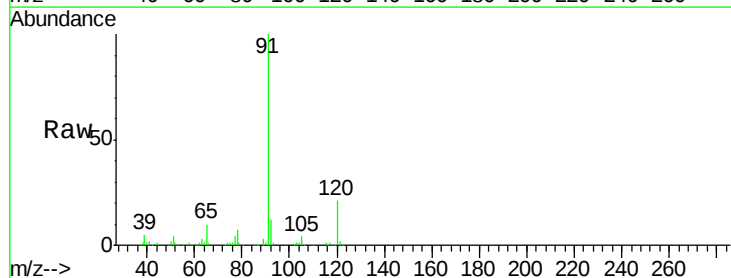
Manual Integrations
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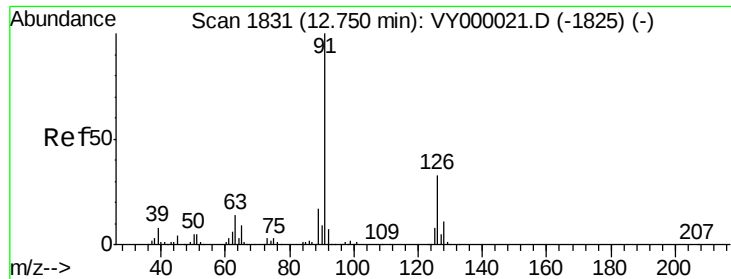
MMDadoda
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#78
n-propylbenzene
Concen: 10.085 ug/l
RT: 12.66 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.8	11.6	34.7		





#79

2-Chlorotoluene

Concen: 9.649 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 50190

Ion Ratio Lower Upper

91 100

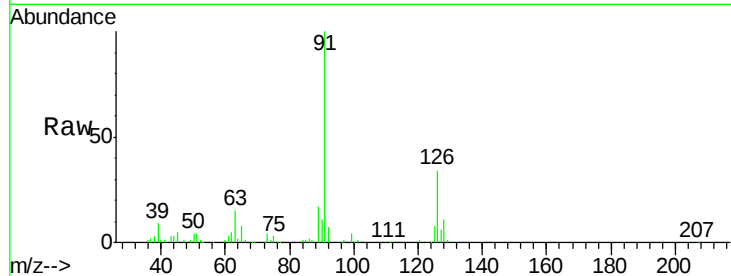
126 35.2 16.9 50.7

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Abundance Ion 91.00 (90.70 to 91.70): VY000021.D (-1825) (-)

Ion 125.90 (125.60 to 126.60): VY000021.D (-1825) (-)

60000

50000

40000

30000

20000

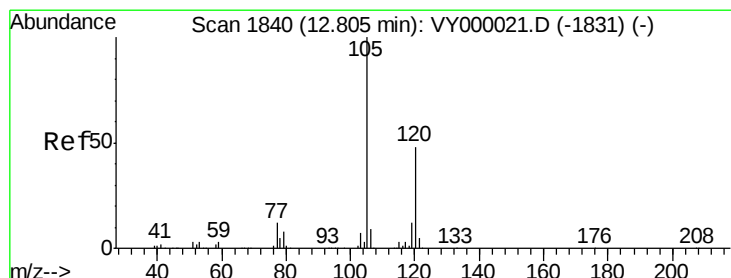
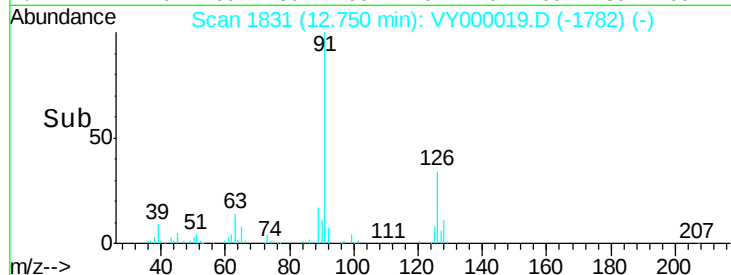
10000

0

12.70 12.75 12.80

12.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 10.197 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VY000019.D

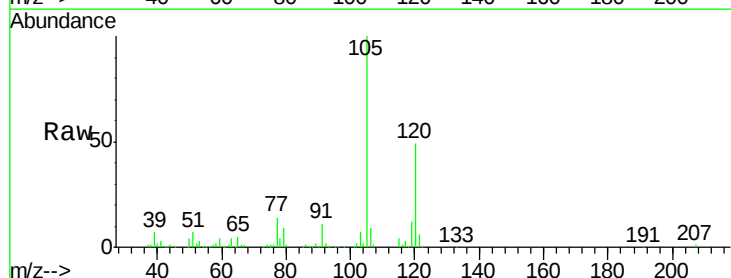
Acq: 12 Sep 2019 11:32

Tgt Ion:105 Resp: 64805

Ion Ratio Lower Upper

105 100

120 47.7 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VY000021.D (-1831) (-)

Ion 120.00 (119.70 to 120.70): VY000021.D (-1831) (-)

50000

40000

30000

20000

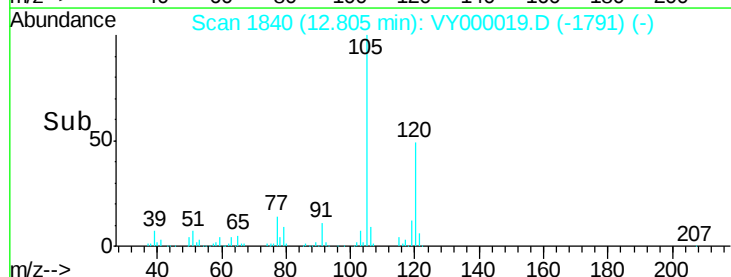
10000

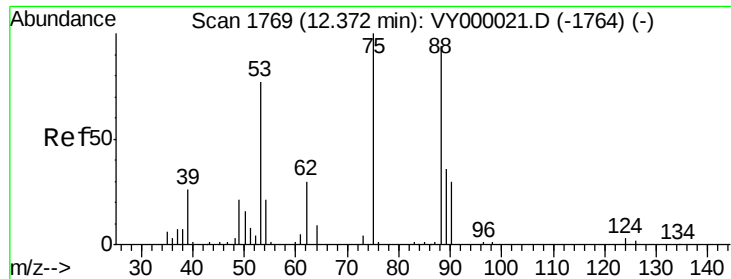
0

12.75 12.80 12.85

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 9.446 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

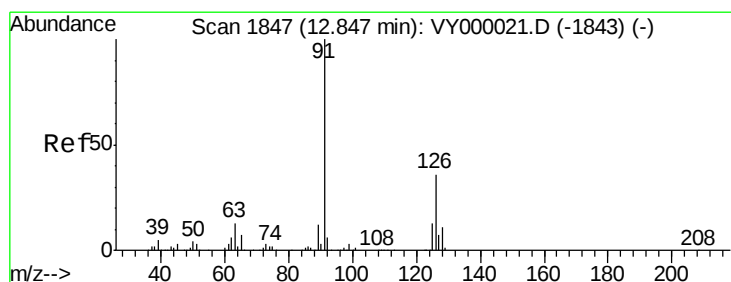
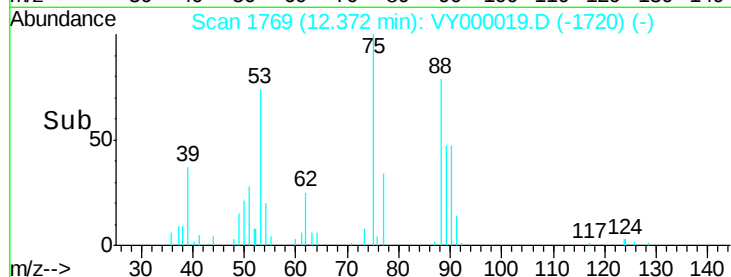
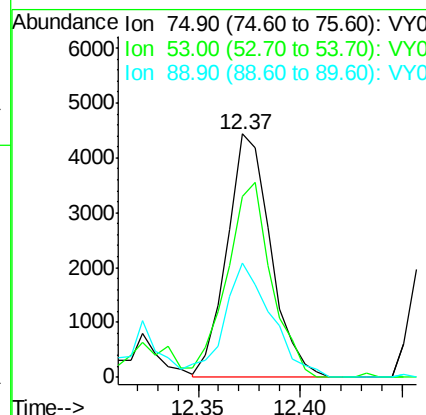
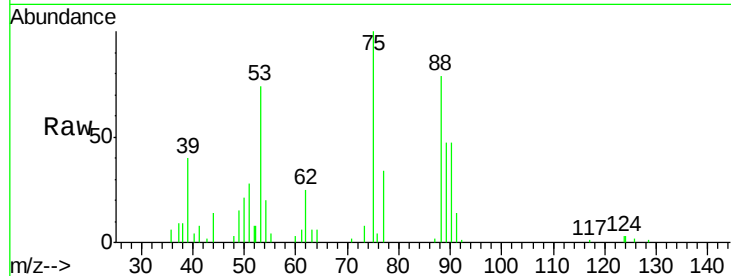
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	6589
Ion	Ratio	Lower	Upper
75	100		
53	81.8	64.2	96.2
89	51.2	35.5	53.3

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#82

4-Chlorotoluene

Concen: 10.137 ug/l

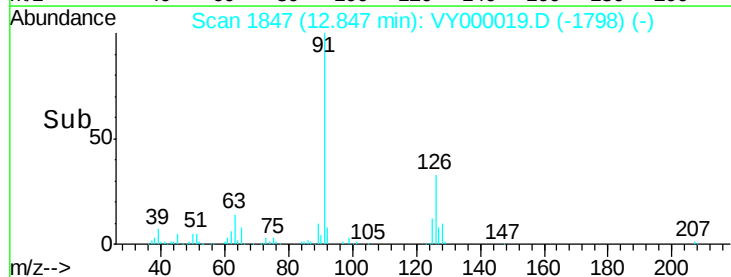
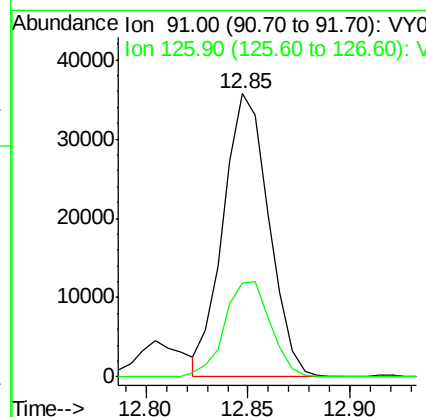
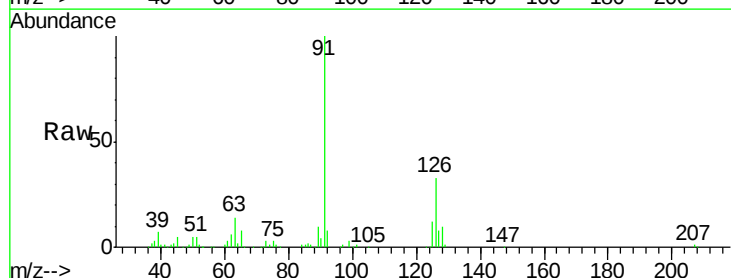
RT: 12.85 min Scan# 1847

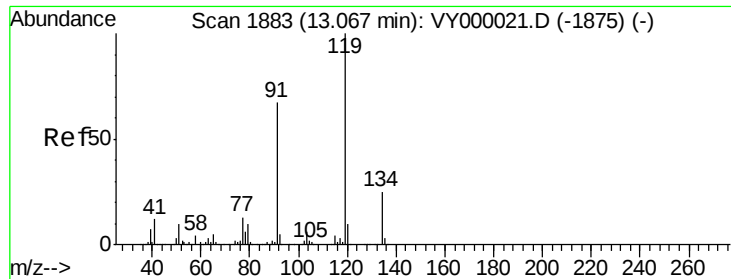
Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tgt Ion:	91	Resp:	55337
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.2	51.5





#83

tert-Butylbenzene

Concen: 10.228 ug/l

RT: 13.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

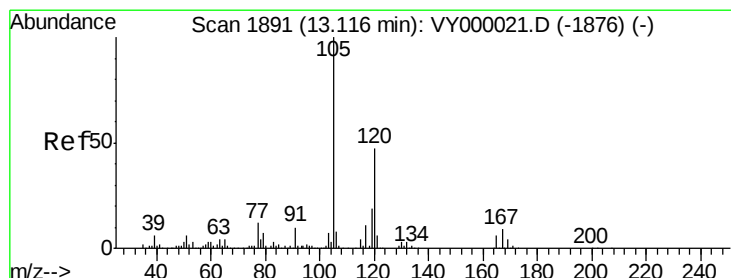
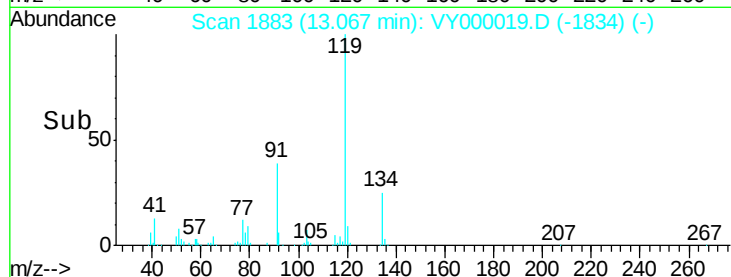
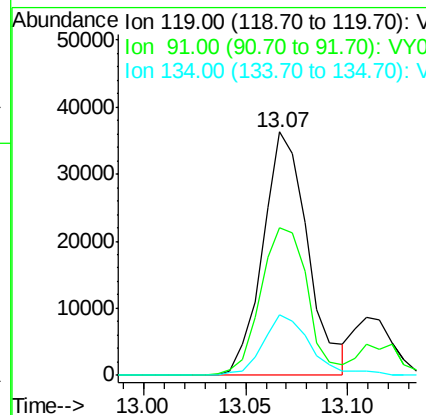
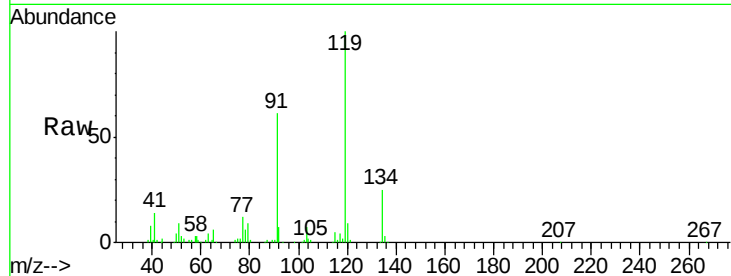
ClientSampleId :

VSTDIC010

Tot Ion:	119	Resp:	55852
Ion Ratio	Lower	Upper	
119	100		
91	63.7	33.1	99.5
134	26.1	13.5	40.5

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#84

1,2,4-Trimethylbenzene

Concen: 10.115 ug/l

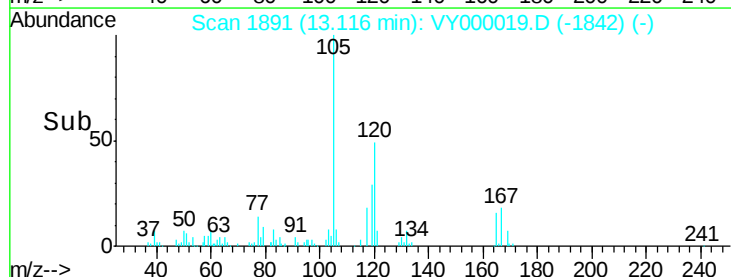
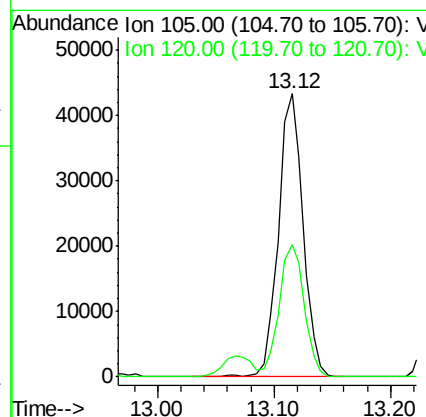
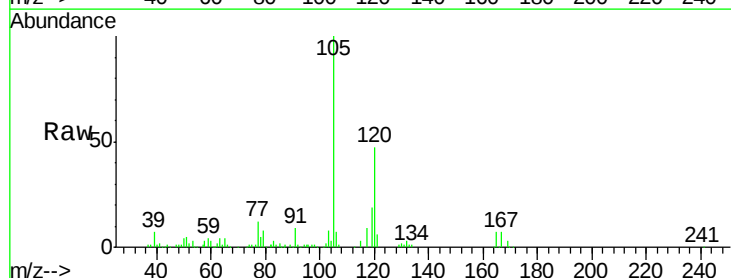
RT: 13.12 min Scan# 1891

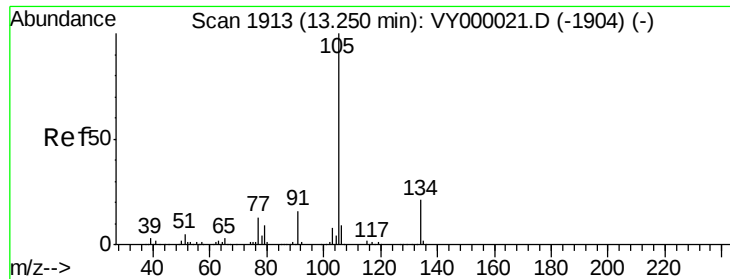
Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tgt Ion:	105	Resp:	63501
Ion Ratio	Lower	Upper	
105	100		
120	47.7	23.1	69.3





#85

sec-Butylbenzene

Concen: 10.203 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 82225

Ion Ratio Lower Upper

105 100

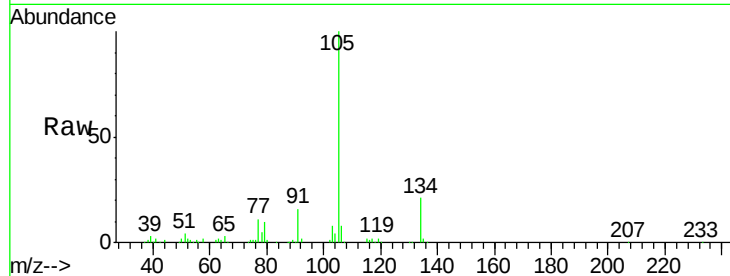
134 20.4 10.1 30.1

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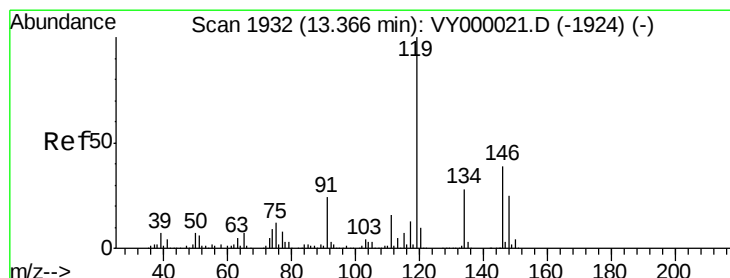
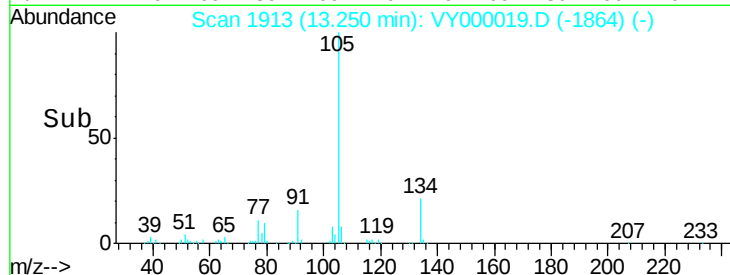
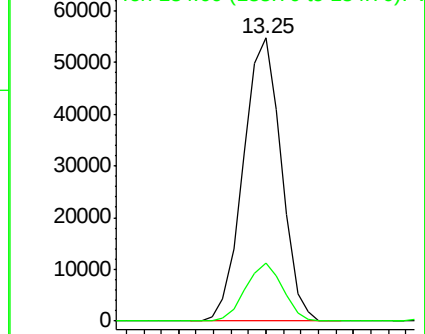
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.388 ug/l

RT: 13.36 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

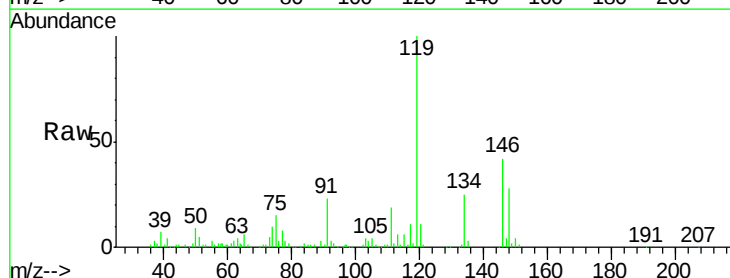
Tgt Ion:119 Resp: 71018

Ion Ratio Lower Upper

119 100

134 27.8 13.8 41.3

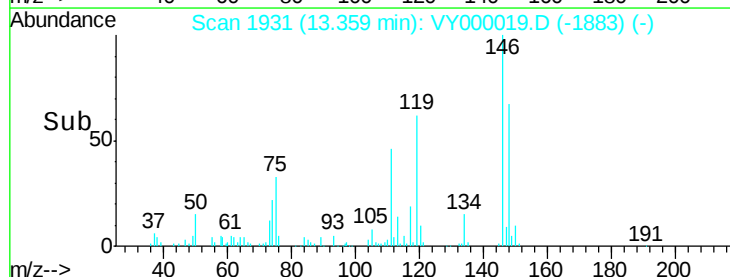
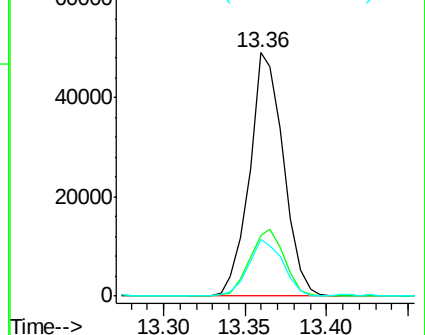
91 23.7 12.4 37.2

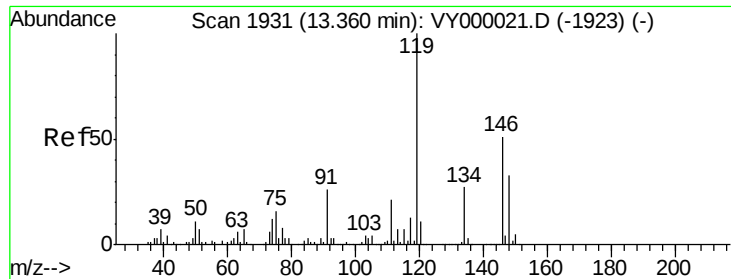


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





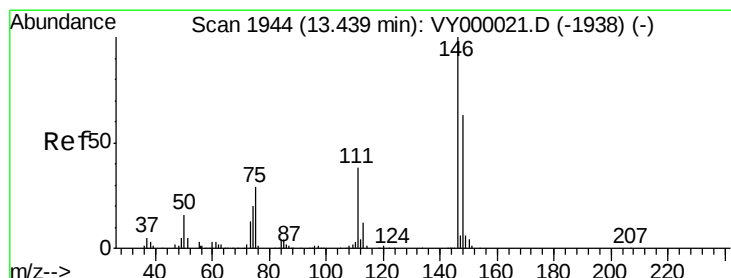
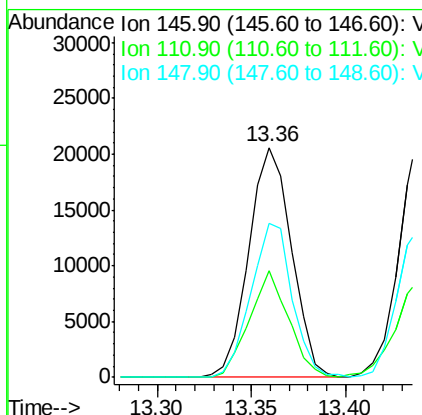
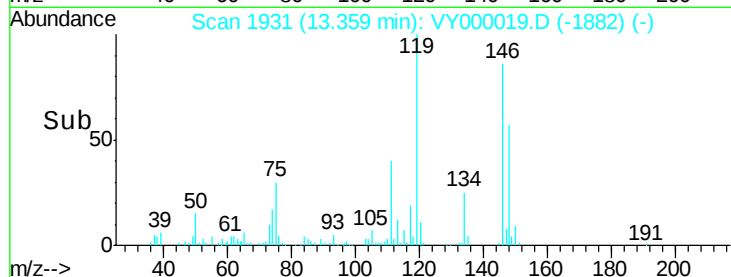
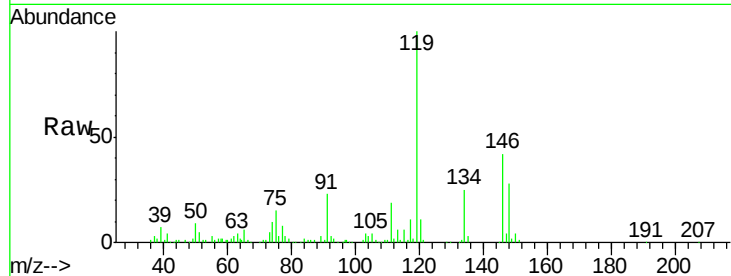
#87
 1,3-Dichlorobenzene
 Concen: 9.981 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.2	63.6
148	64.9	32.1	96.5

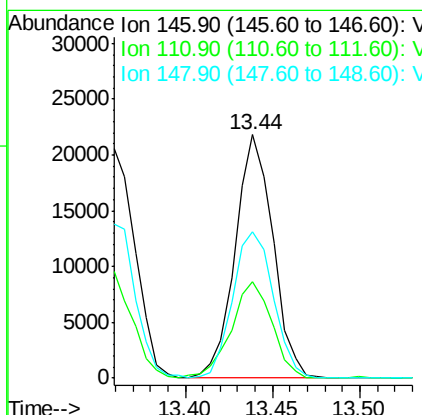
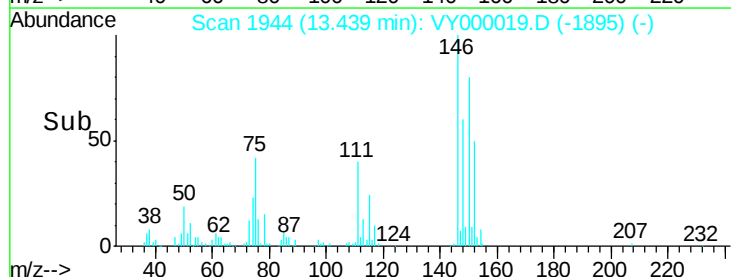
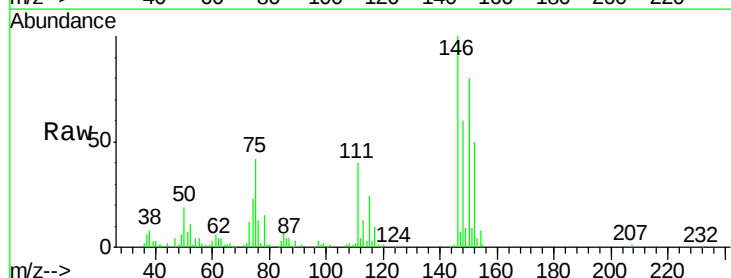
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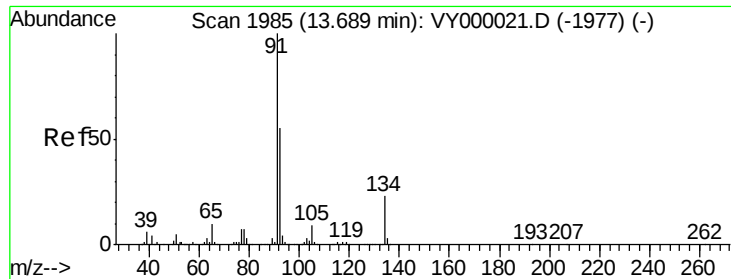
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 10.061 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.3	60.9
148	64.8	31.7	95.1





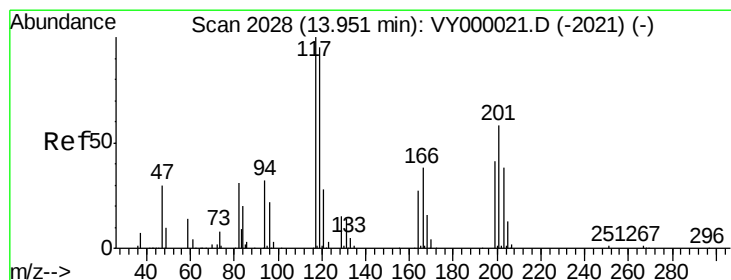
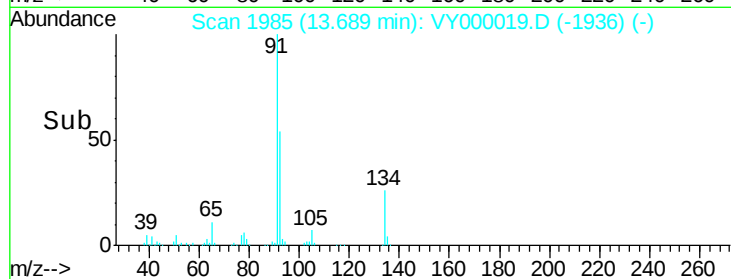
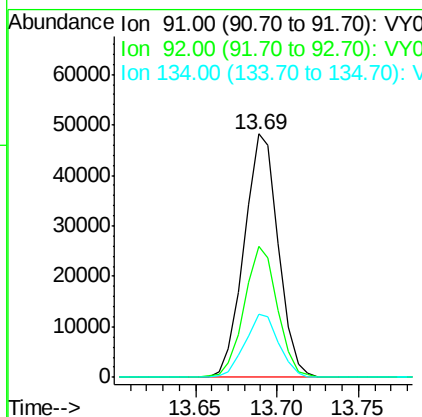
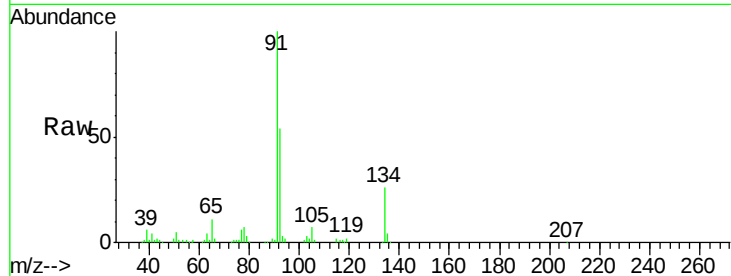
#89
n-Butylbenzene
Concen: 10.153 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	27.2	81.6
134	25.7	12.6	37.6

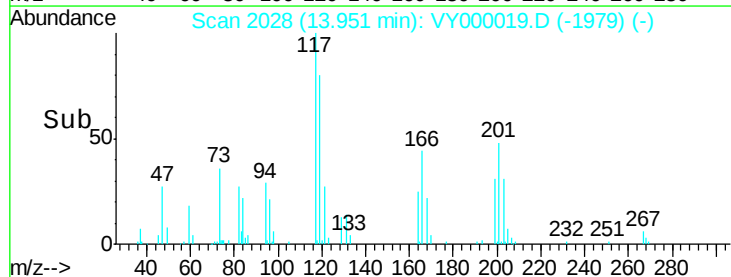
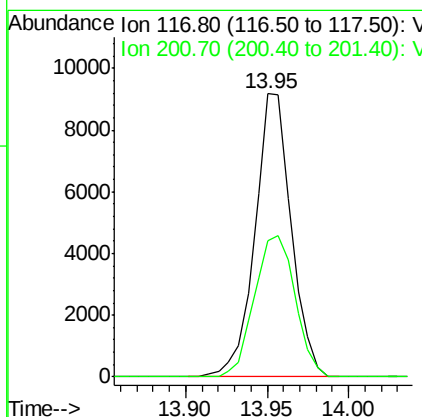
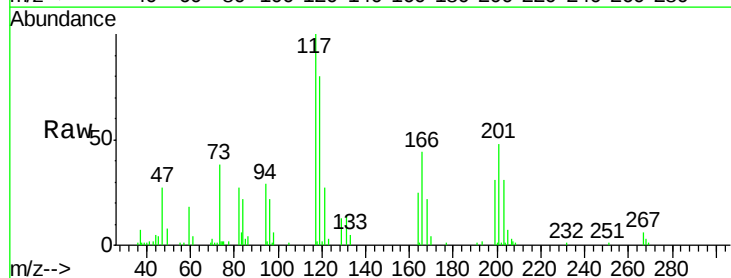
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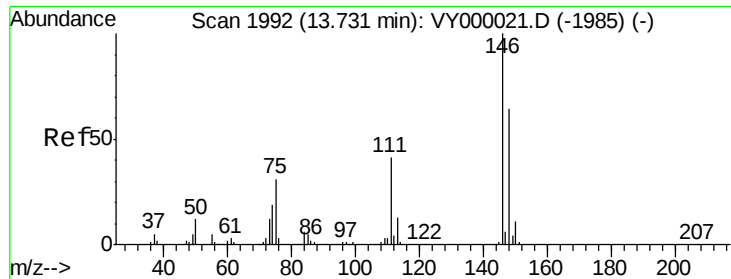
MMDadoda
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#90
Hexachloroethane
Concen: 10.416 ug/l
RT: 13.95 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	55.8	31.4	94.0





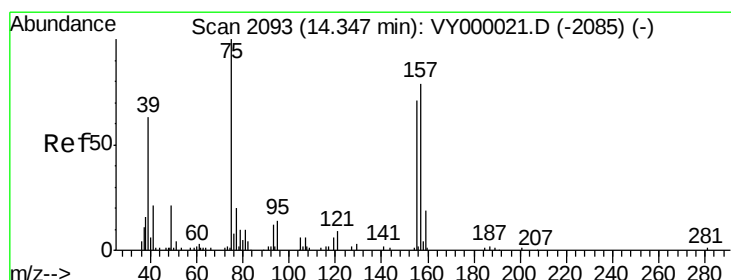
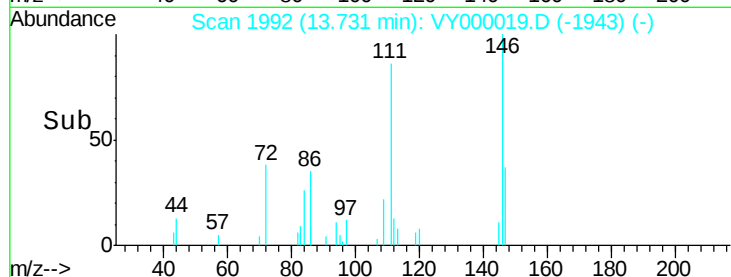
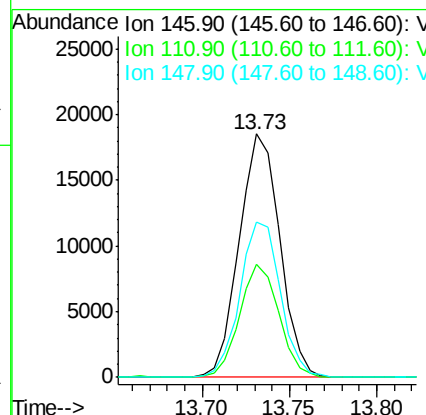
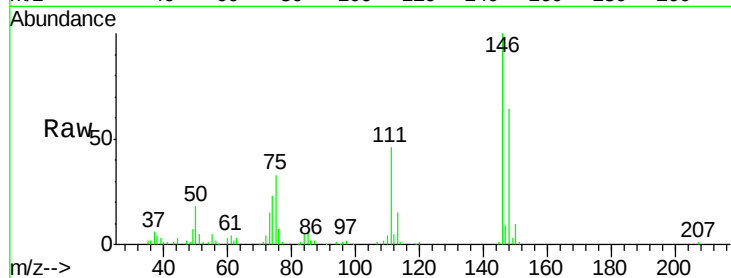
#91
 1,2-Dichlorobenzene
 Concen: 9.928 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.0	63.0
148	63.9	31.6	95.0

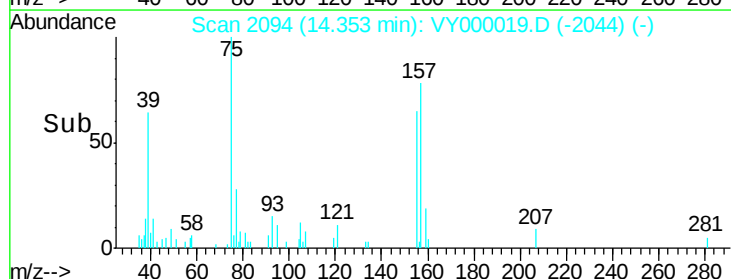
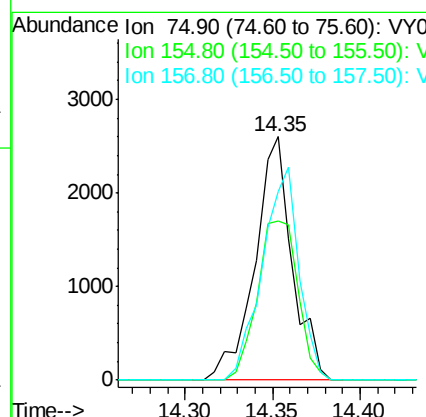
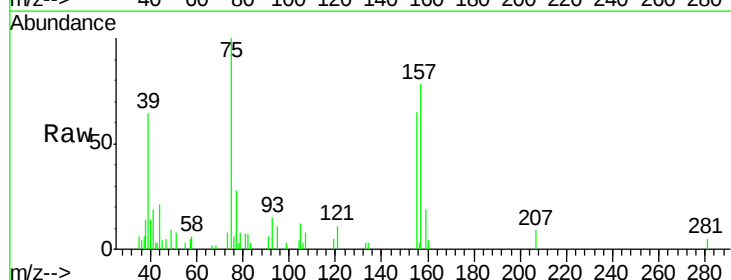
Manual Integrations
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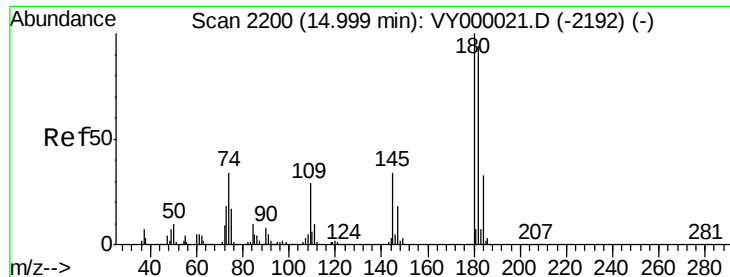
MMDadoda
 9/13/2019 11:53:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.928 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.2	41.8	125.3
157	85.7	51.3	153.9





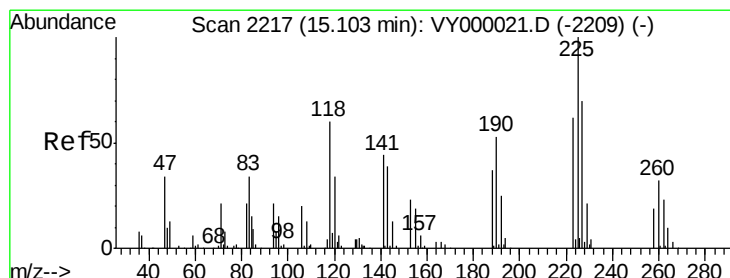
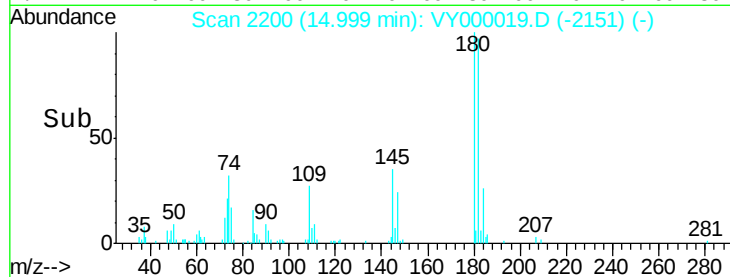
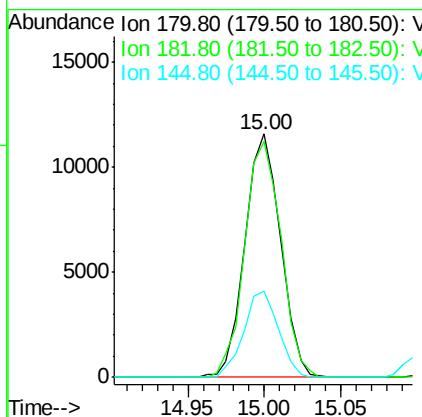
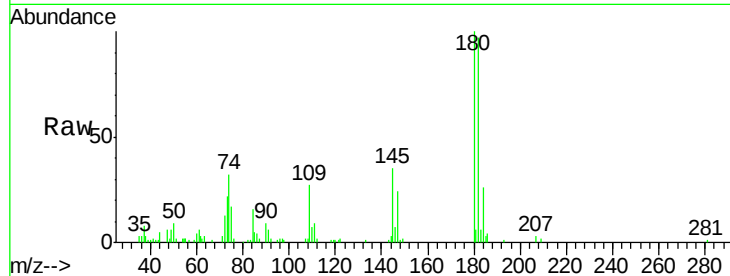
#93
 1,2,4-Trichlorobenzene
 Concen: 9.776 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	18812		
182	99.1	47.0	141.0	
145	34.4	16.7	50.1	

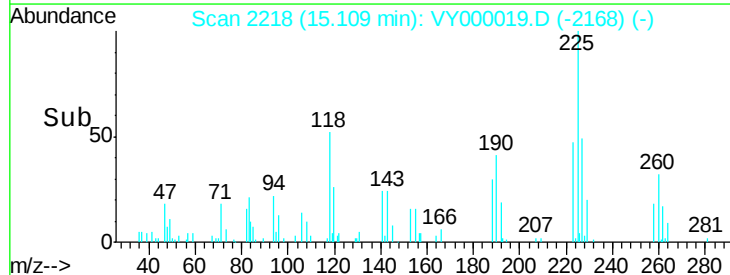
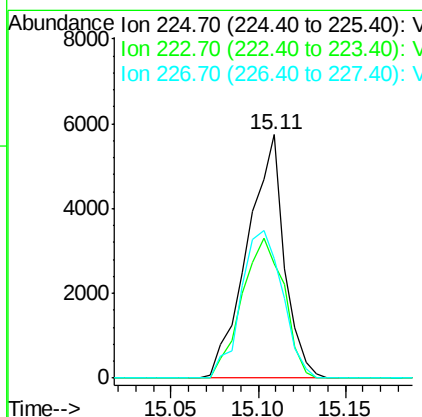
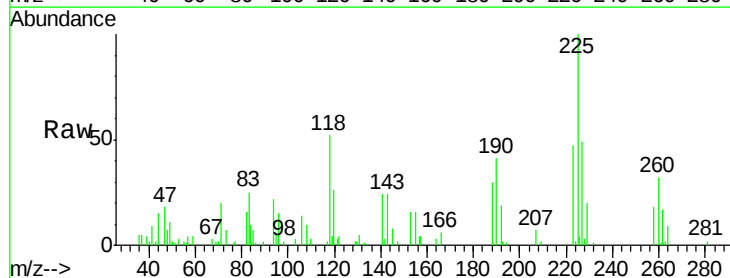
Manual Integrations
 APPROVED

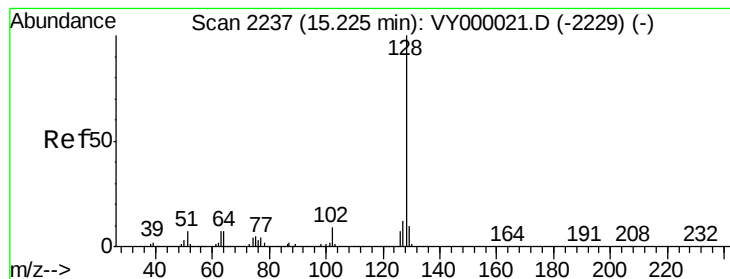
MMDadoda
 9/13/2019 11:53:50 PM



#94
 Hexachlorobutadiene
 Concen: 9.611 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	8483		
223	65.4	30.9	92.7	
227	67.7	31.0	93.0	





#95

Naphthalene

Concen: 10.096 ug/l

RT: 15.22 min Scan# 2237

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

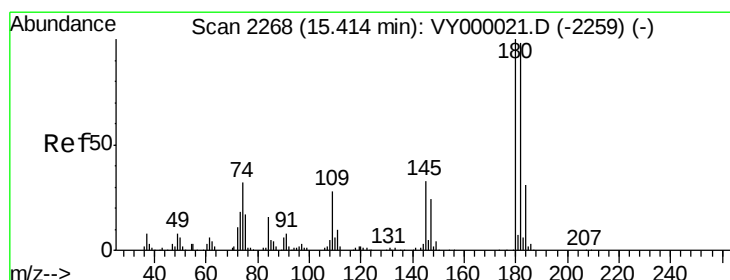
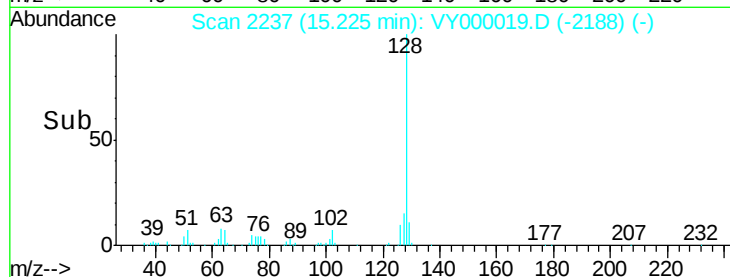
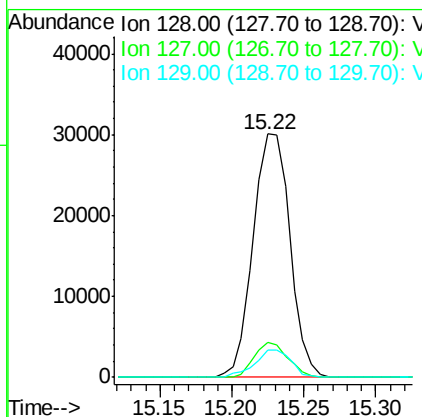
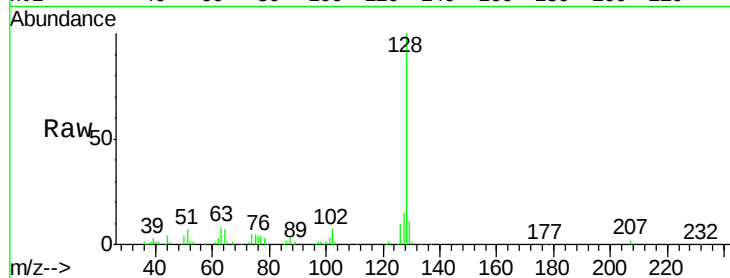
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		53152		
127	13.2		9.8	14.8	
129	11.2		8.7	13.1	

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 10.286 ug/l

RT: 15.41 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		17768		
182	90.3		46.8	140.4	
145	33.5		17.3	51.7	

