

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000006.D
 Acq On : 11 Sep 2019 18:02
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:32 PM

Quant Time: Sep 12 09:10:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 08:42:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	159952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	296348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	251420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	111897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	158052	89.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	179.00%	
35) Dibromofluoromethane	7.72	113	155710	89.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.20%	
50) Toluene-d8	10.18	98	669948	96.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.18%	
62) 4-Bromofluorobenzene	12.48	95	223014	89.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	110546	122.736	ug/l	97
3) Chloromethane	2.11	50	148604	130.766	ug/l	99
4) Vinyl Chloride	2.25	62	176178	129.140	ug/l	100
5) Bromomethane	2.62	94	100274	134.273	ug/l	93
6) Chloroethane	2.78	64	118000	142.498	ug/l	98
7) Trichlorofluoromethane	3.12	101	220502	201.611	ug/l	97
8) Diethyl Ether	3.53	74	92102	120.395	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.89	101	154148	110.011	ug/l	99
10) Methyl Iodide	4.08	142	197187	112.554	ug/l	99
11) Tert butyl alcohol	4.98	59	96458	668.015	ug/l	98
12) 1,1-Dichloroethene	3.86	96	145871	109.677	ug/l	94
13) Acrolein	3.73	56	66407	463.309	ug/l	97
14) Allyl chloride	4.48	41	226013	86.160	ug/l	99
15) Acrylonitrile	5.17	53	297101	656.159	ug/l	99
16) Acetone	3.95	43	223953	475.541	ug/l	100
17) Carbon Disulfide	4.18	76	290803	104.138	ug/l	98
18) Methyl Acetate	4.48	43	127307	110.306	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	439652	155.589	ug/l	100
20) Methylene Chloride	4.71	84	170633	110.128	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	157605	115.622	ug/l	95
22) Diisopropyl ether	6.12	45	505579	96.670	ug/l	95
23) Vinyl Acetate	6.06	43	1727612	516.774	ug/l	99
24) 1,1-Dichloroethane	6.02	63	299651	104.785	ug/l	98
25) 2-Butanone	6.99	43	372508	578.449	ug/l	98
26) 2,2-Dichloropropane	6.98	77	248445	130.094	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	203537	126.493	ug/l	98
28) Bromochloromethane	7.33	49	134574	100.999	ug/l	98
29) Tetrahydrofuran	7.35	42	226734	573.064	ug/l	99
30) Chloroform	7.51	83	305847	106.604	ug/l	97
31) Cyclohexane	7.78	56	229403	89.285	ug/l	94
32) 1,1,1-Trichloroethane	7.70	97	254109	109.304	ug/l	99
36) 1,1-Dichloropropene	7.92	75	212306	84.597	ug/l	99
37) Ethyl Acetate	7.08	43	148011	91.610	ug/l	99
38) Carbon Tetrachloride	7.90	117	211926	85.981	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	265362	92.449	ug/l	97
40) Benzene	8.16	78	713240	99.848	ug/l	100
41) Methacrylonitrile	7.32	41	91022m	96.146	ug/l	
42) 1,2-Dichloroethane	8.24	62	184594	76.726	ug/l	98
43) Isopropyl Acetate	8.28	43	281587	92.165	ug/l	97
44) Trichloroethene	8.94	130	181729	98.506	ug/l	99
45) 1,2-Dichloropropane	9.21	63	181722	92.417	ug/l	98
46) Dibromomethane	9.31	93	97289	102.809	ug/l	98
47) Bromodichloromethane	9.49	83	239007	93.665	ug/l	95
48) Methyl methacrylate	9.29	41	123313	84.628	ug/l	98
49) 1,4-Dioxane	9.29	88	38941	2030.466	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	768518	474.856	ug/l	100
52) Toluene	10.24	92	443444	99.267	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	252916	95.837	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	292631	97.779	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	152541	106.807	ug/l	97
56) Ethyl methacrylate	10.51	69	223234	107.161	ug/l	99
57) 1,3-Dichloropropane	10.79	76	254717	97.904	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	483955	434.117	ug/l	100
59) 2-Hexanone	10.83	43	545411	461.341	ug/l	100
60) Dibromochloromethane	10.98	129	170977	103.470	ug/l	97
61) 1,2-Dibromoethane	11.09	107	141237	107.525	ug/l	97
64) Tetrachloroethene	10.71	164	154058	102.787	ug/l	93
65) Chlorobenzene	11.51	112	484871	103.388	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	169046	98.777	ug/l	98
67) Ethyl Benzene	11.59	91	878933	100.838	ug/l	100
68) m/p-Xylenes	11.70	106	672692	210.597	ug/l	99
69) o-Xylene	12.02	106	327282	108.753	ug/l	97
70) Styrene	12.04	104	579979	109.589	ug/l	99
71) Bromoform	12.21	173	104126	107.877	ug/l #	100
73) Isopropylbenzene	12.32	105	878918	110.285	ug/l	99
74) N-amyl acetate	12.14	43	254404	102.629	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	196820	119.023	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	134694m	113.988	ug/l	
77) Bromobenzene	12.60	156	186557	103.962	ug/l	99
78) n-propylbenzene	12.66	91	1063920	110.948	ug/l	99
79) 2-Chlorotoluene	12.75	91	587027	107.255	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	721749	107.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	77530	136.127	ug/l	99
82) 4-Chlorotoluene	12.85	91	623709	107.734	ug/l	100
83) tert-Butylbenzene	13.07	119	606243	102.831	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	715097	105.484	ug/l	98
85) sec-Butylbenzene	13.25	105	913444	110.419	ug/l	99
86) p-Isopropyltoluene	13.37	119	777910	104.320	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	362577	102.221	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	373294	105.977	ug/l	98
89) n-Butylbenzene	13.69	91	794814	108.760	ug/l	99
90) Hexachloroethane	13.95	117	153521	115.235	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	339533	106.036	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	35283	115.741	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	209228	96.834	ug/l	99
94) Hexachlorobutadiene	15.10	225	101687	70.926	ug/l	98
95) Naphthalene	15.23	128	571278	132.585	ug/l	100
96) 1,2,3-Trichlorobenzene	15.41	180	193499	100.657	ug/l	97

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

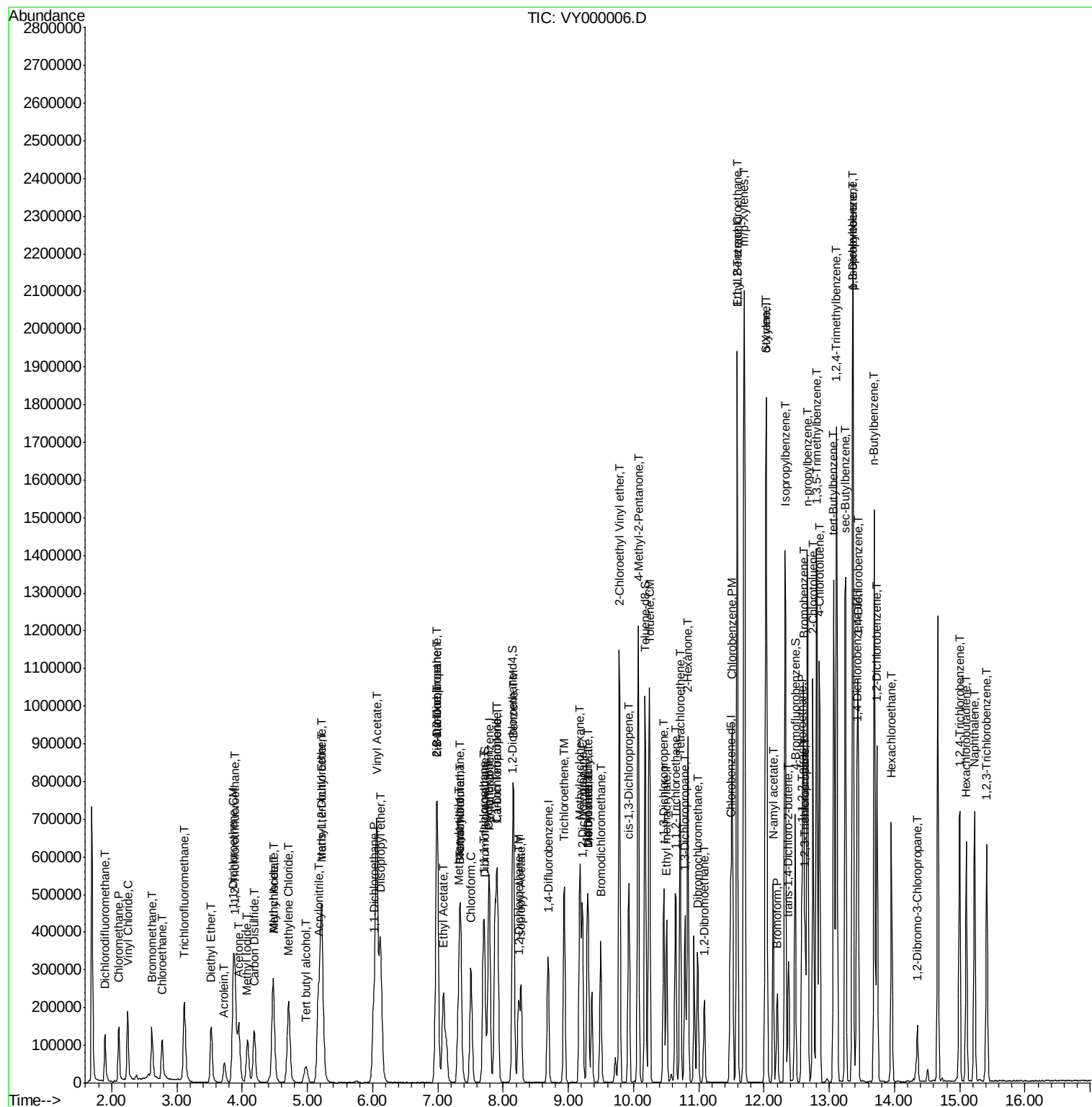
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000006.D
 Acd On : 11 Sep 2019 18:02
 Operator : SY/MD
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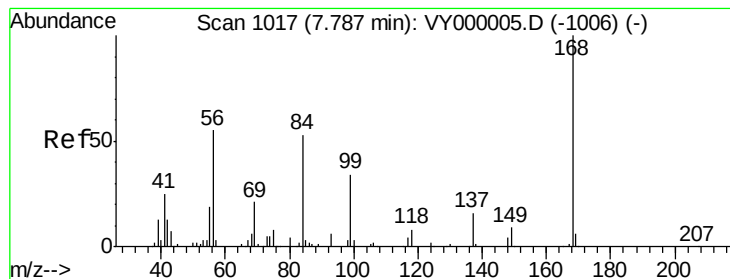
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 159952

Ion Ratio Lower Upper

168 100

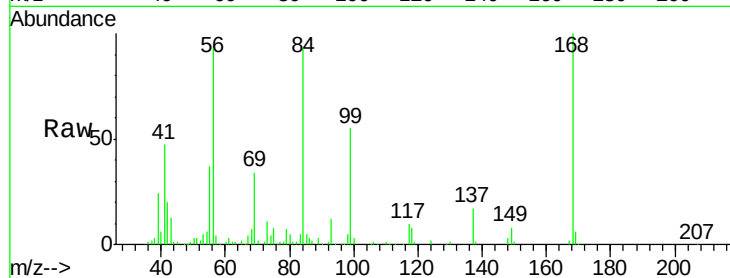
99 54.9 44.2 66.2

Manual Integrations

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9/13/2019 11:51:32 PM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

60000

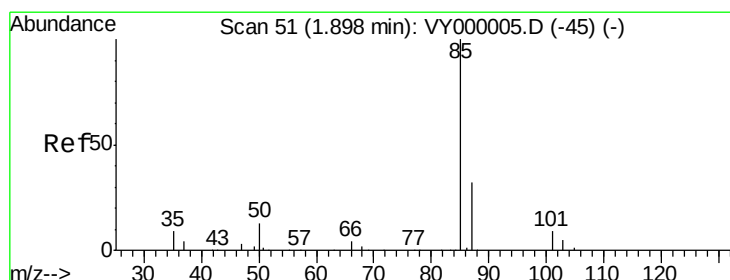
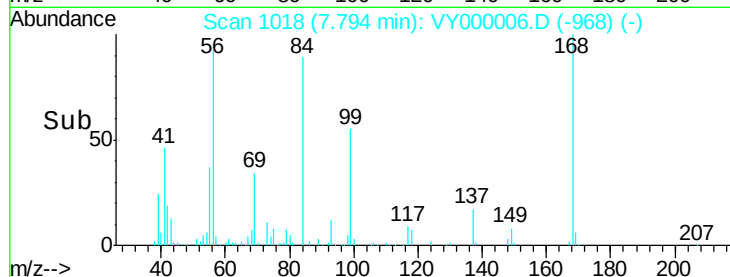
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 122.736 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000006.D

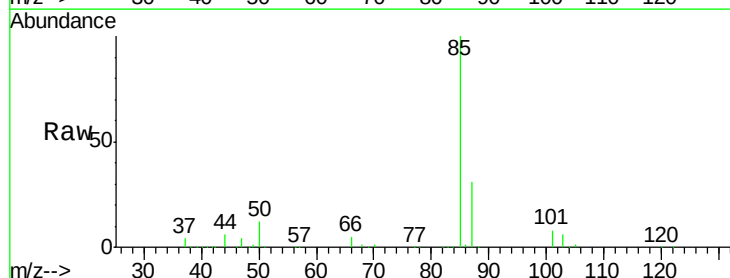
Acq: 11 Sep 2019 18:02

Tgt Ion: 85 Resp: 110546

Ion Ratio Lower Upper

85 100

87 30.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

80000

60000

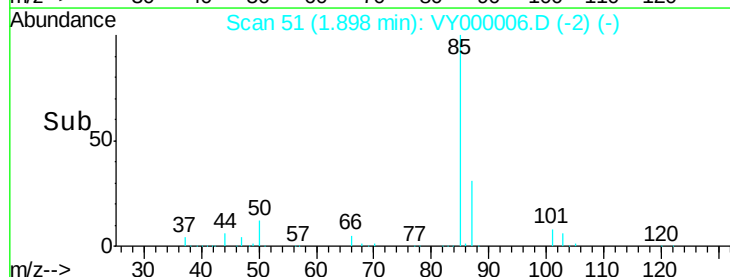
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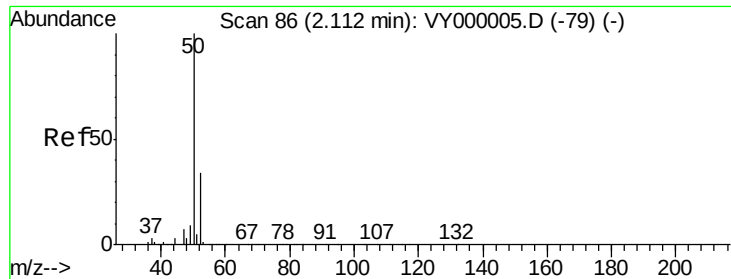
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 130.766 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 148604

Ion Ratio Lower Upper

50 100

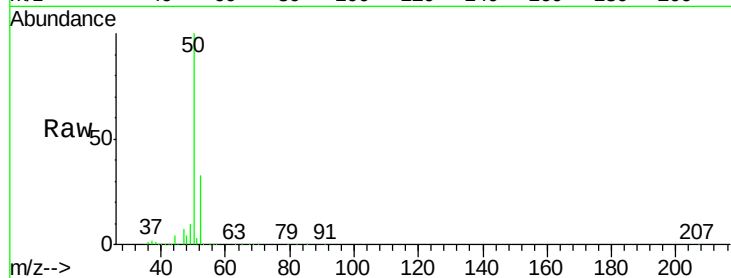
52 32.7 26.8 40.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.11

100000

80000

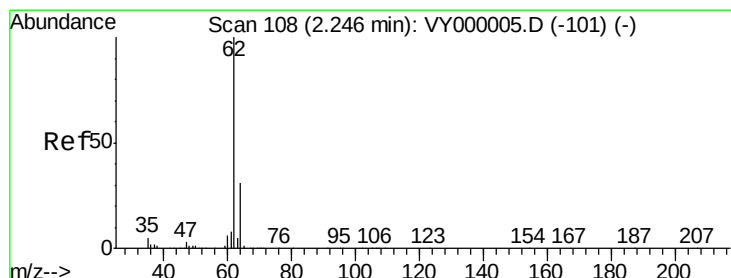
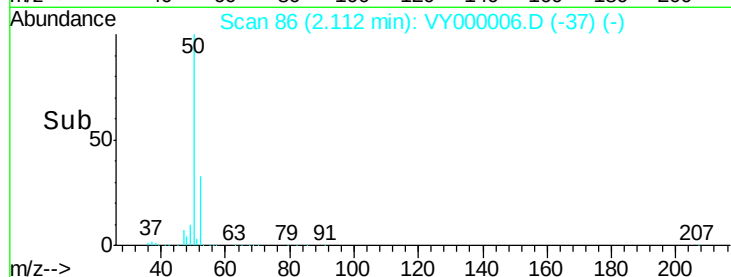
60000

40000

20000

0

Time--> 2.00 2.10 2.20



#4

Vinyl Chloride

Concen: 129.140 ug/l

RT: 2.25 min Scan# 108

Delta R.T. 0.00 min

Lab File: VY000006.D

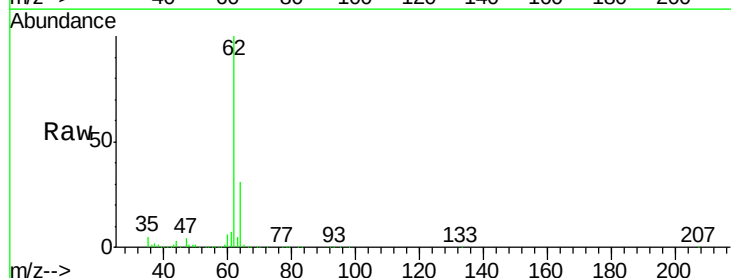
Acq: 11 Sep 2019 18:02

Tgt Ion: 62 Resp: 176178

Ion Ratio Lower Upper

62 100

64 31.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

120000

100000

80000

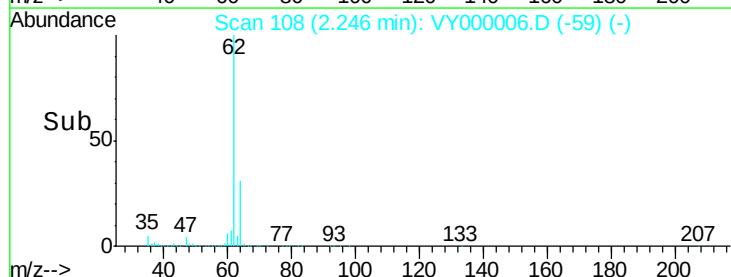
60000

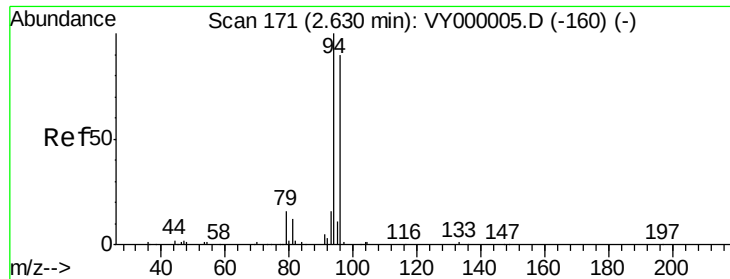
40000

20000

0

Time--> 2.20 2.30 2.40





#5

Bromomethane

Concen: 134.273 ug/l

RT: 2.62 min Scan# 169

Delta R.T. -0.01 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 100274

Ion Ratio Lower Upper

94 100

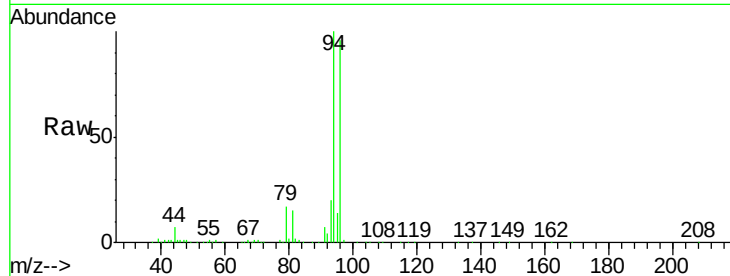
96 96.3 71.6 107.4

Manual Integrations

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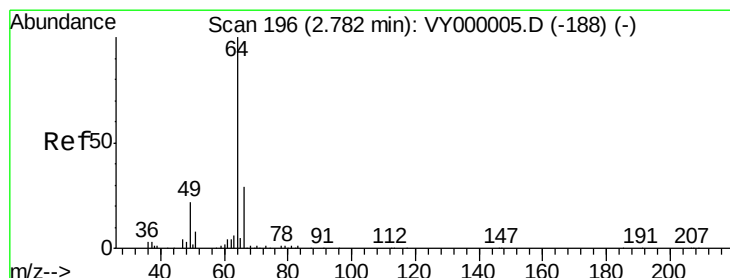
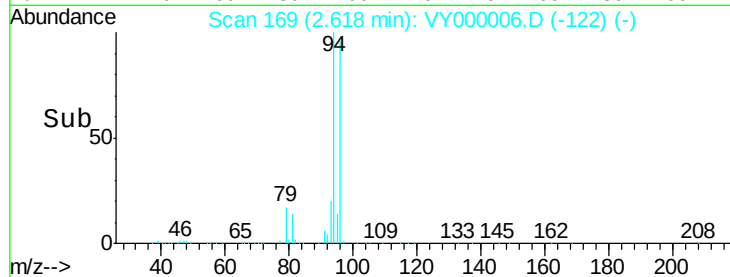
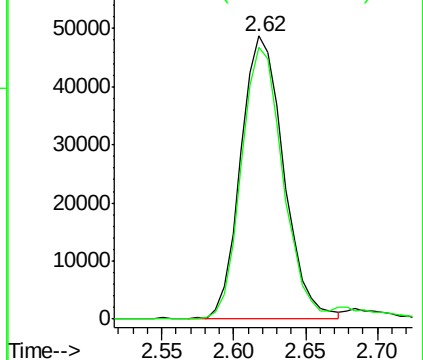
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 142.498 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VY000006.D

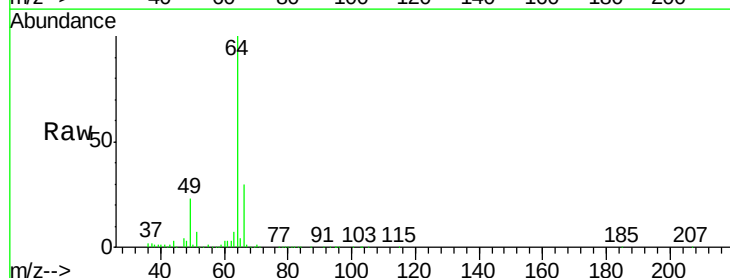
Acq: 11 Sep 2019 18:02

Tgt Ion: 64 Resp: 118000

Ion Ratio Lower Upper

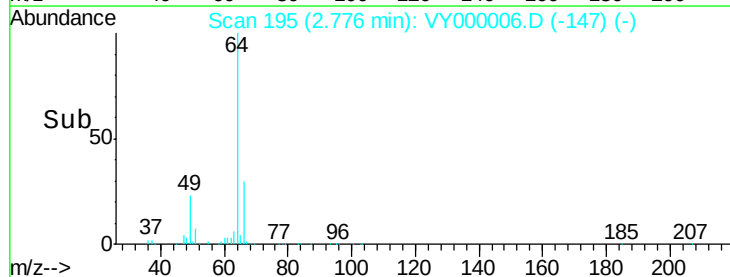
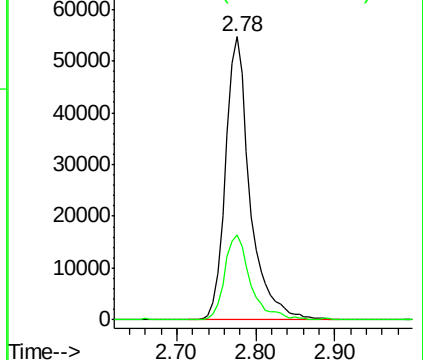
64 100

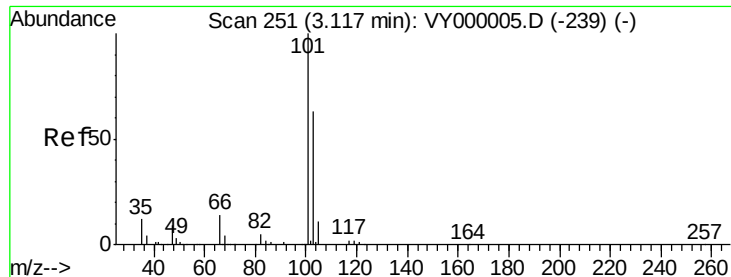
66 30.3 23.5 35.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

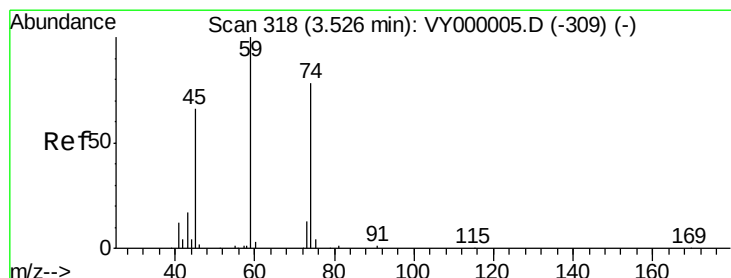
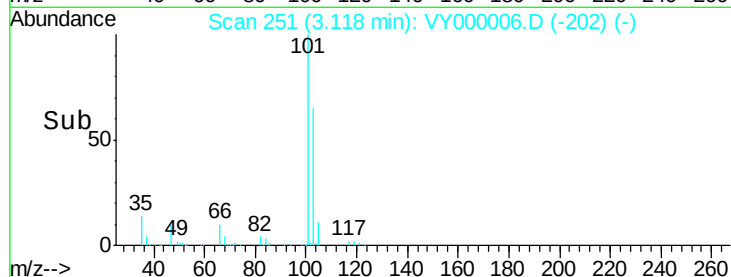
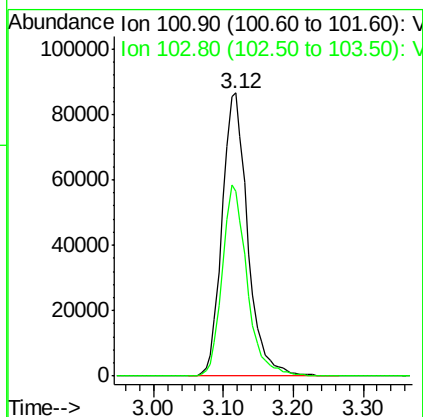
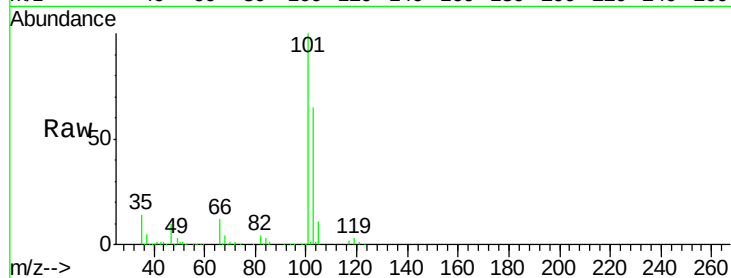
Trichlorofluoromethane
Concen: 201.611 ug/l
RT: 3.12 min Scan# 251
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	220502		
103	65.1	50.0	75.0	

Manual Integrations
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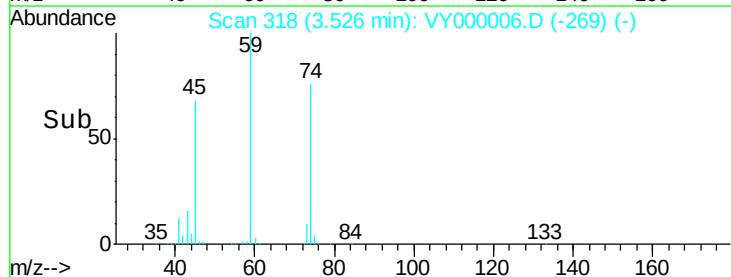
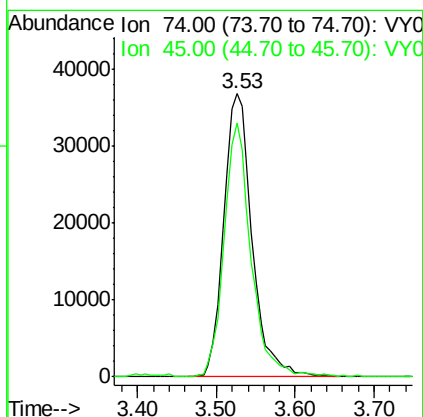
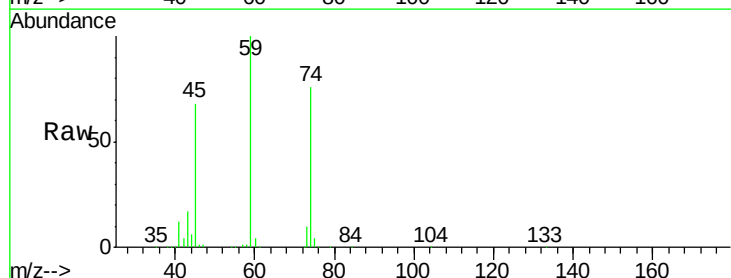
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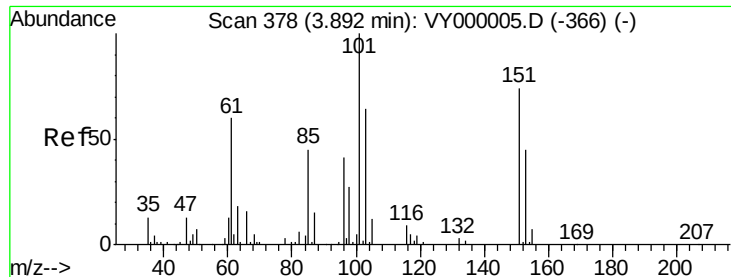


#8

Diethyl Ether
Concen: 120.395 ug/l
RT: 3.53 min Scan# 318
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	92102		
45	84.4	40.5	121.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 110.011 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

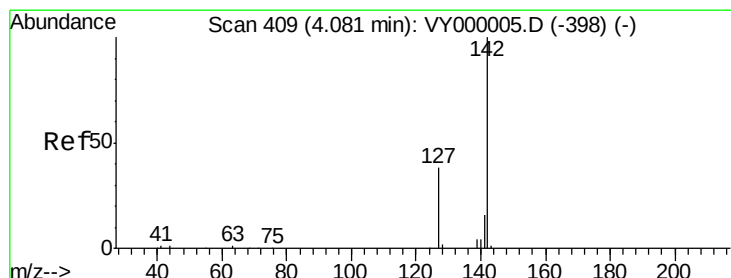
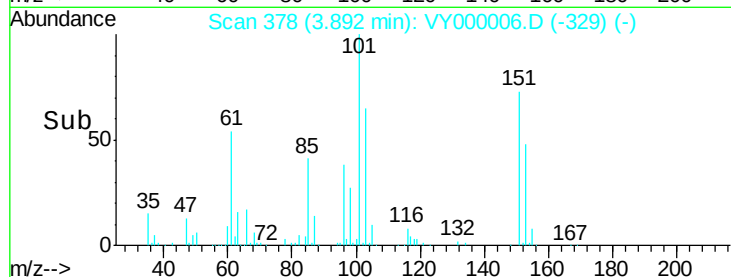
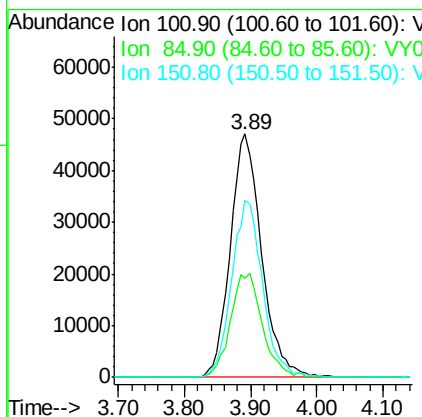
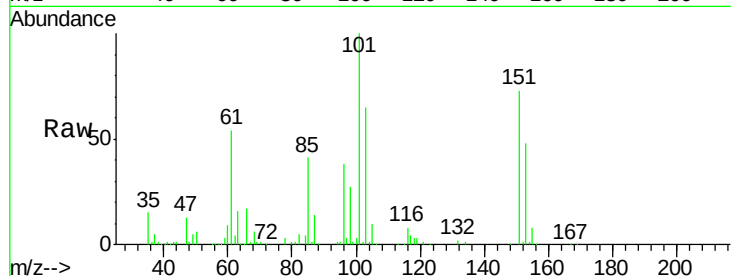
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	154148
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.0	51.0
151	72.2	57.3	85.9

Manual Integrations
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#10

Methyl Iodide

Concen: 112.554 ug/l

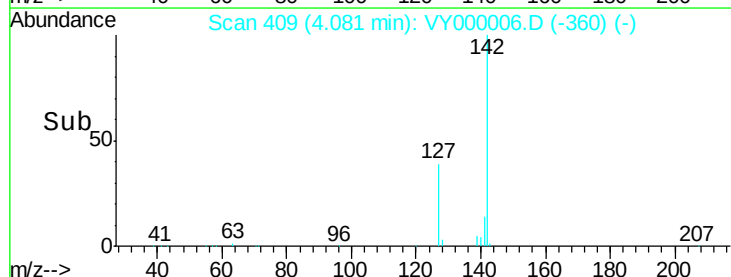
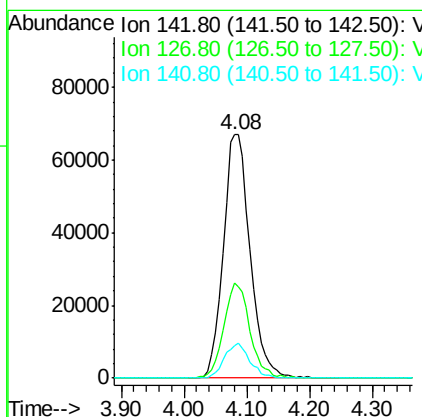
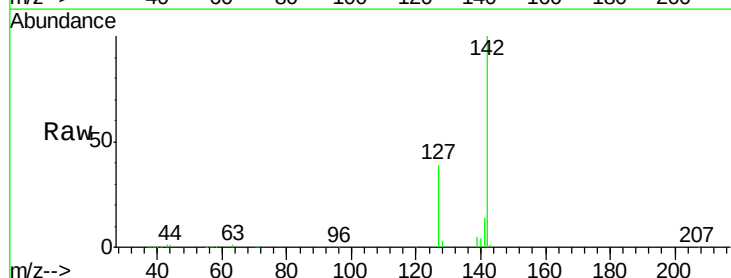
RT: 4.08 min Scan# 409

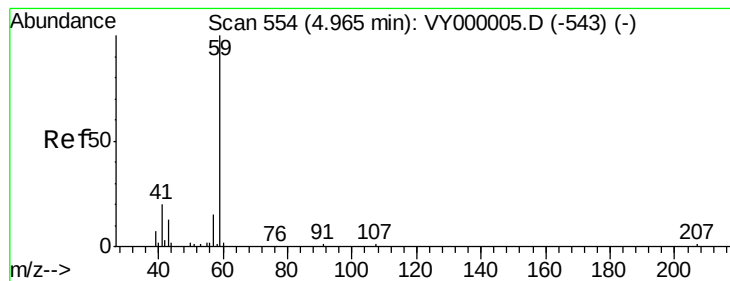
Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Tgt Ion:	142	Resp:	197187
Ion Ratio	Lower	Upper	
142	100		
127	38.0	30.0	45.0
141	13.7	11.0	16.4





#11

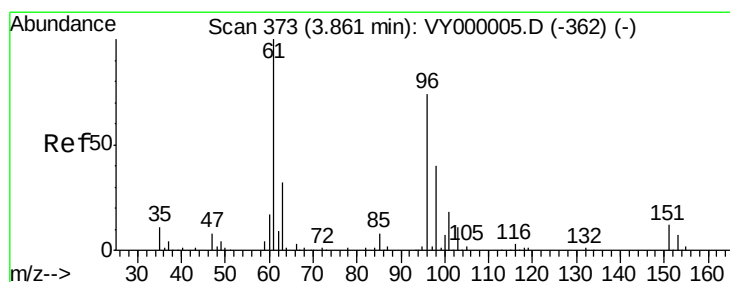
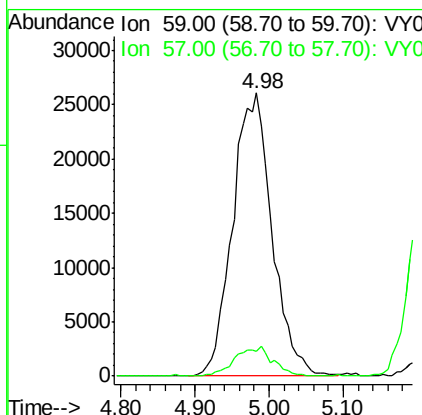
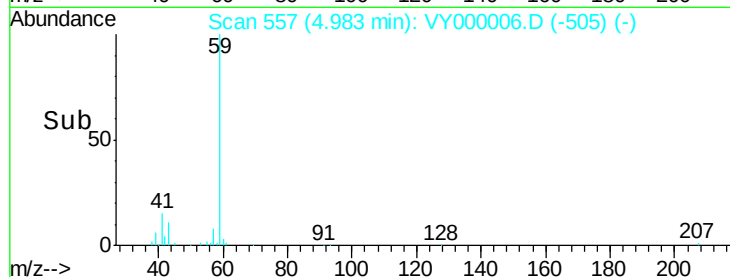
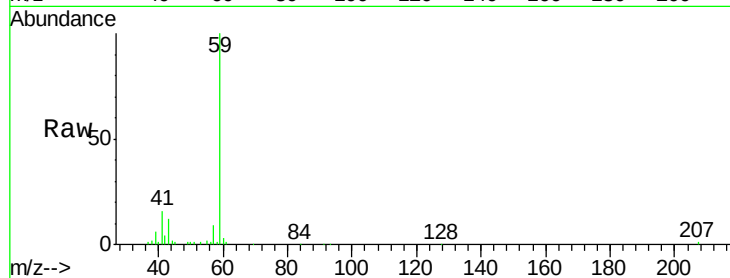
Tert butyl alcohol
Concen: 668.015 ug/l
RT: 4.98 min Scan# 557
Delta R.T. 0.02 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	10.2		8.9	13.3

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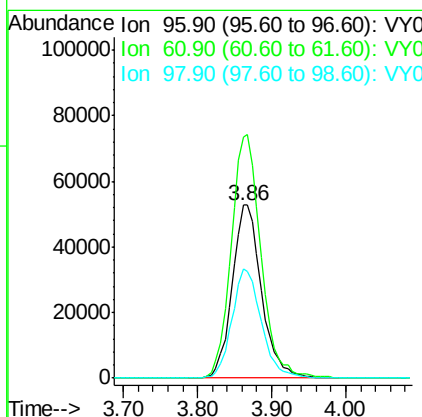
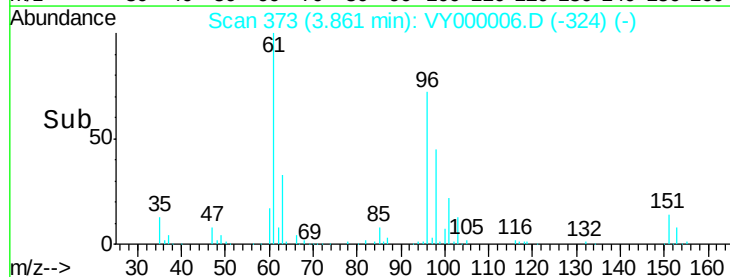
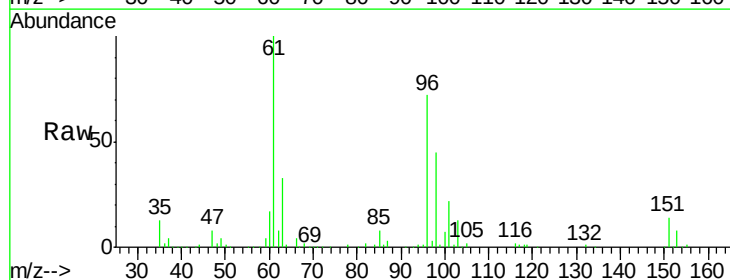
MMDadoda
9/13/2019 11:51:32 PM

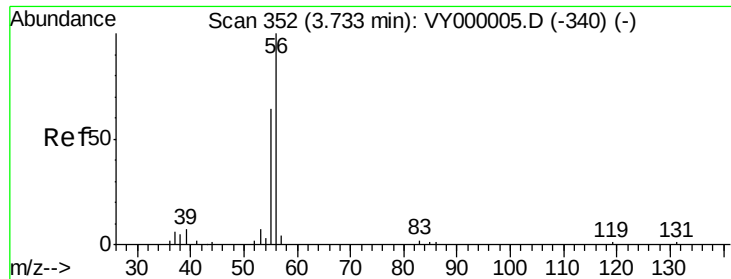


#12

1,1-Dichloroethene
Concen: 109.677 ug/l
RT: 3.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	139.1		108.1	162.1
98	98	62.9		42.8	64.2





#13

Acrolein

Concen: 463.309 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 66407

Ion Ratio Lower Upper

56 100

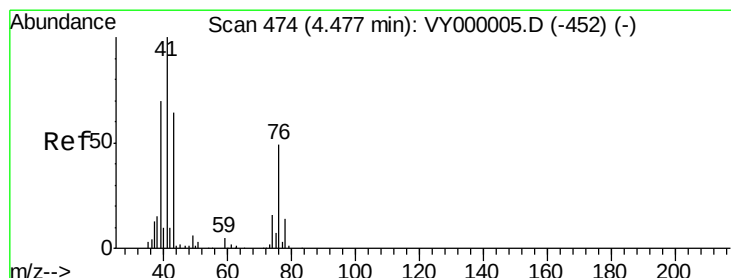
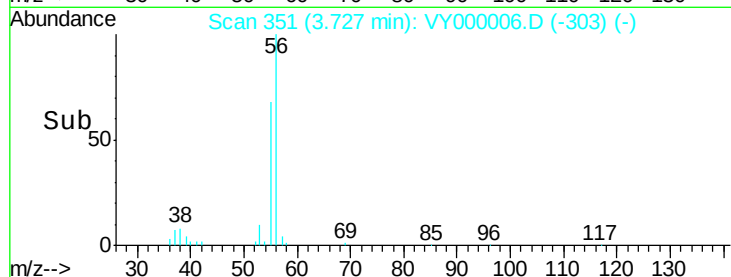
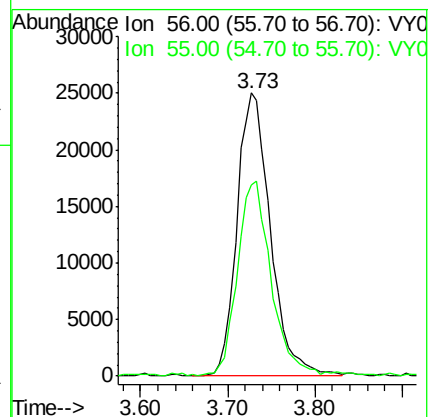
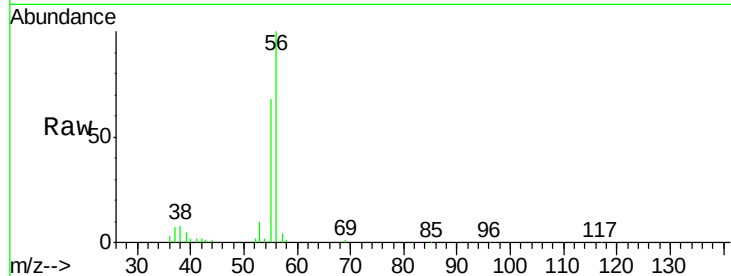
55 68.7 53.3 79.9

Manual Integrations

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#14

Allyl chloride

Concen: 86.160 ug/l

RT: 4.48 min Scan# 474

Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

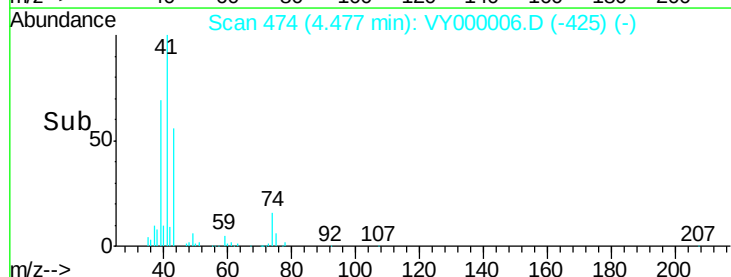
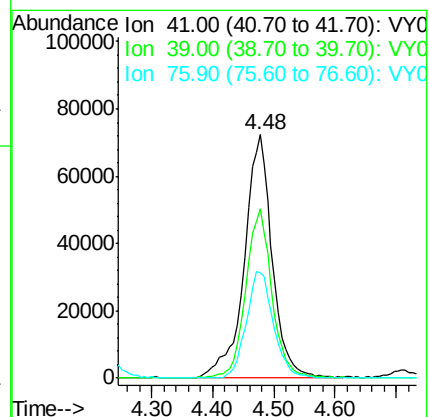
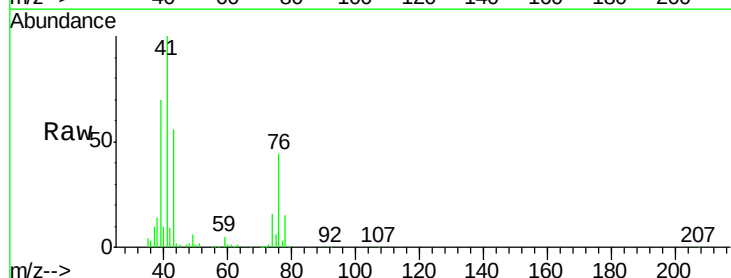
Tgt Ion: 41 Resp: 226013

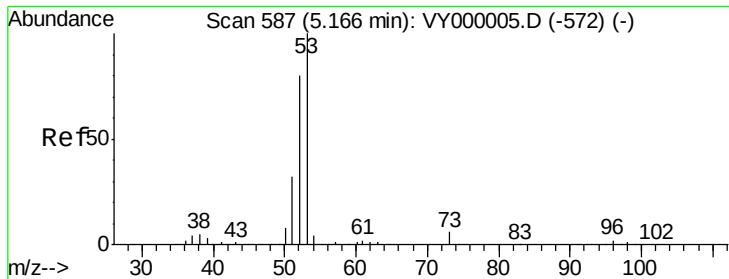
Ion Ratio Lower Upper

41 100

39 66.1 52.4 78.6

76 43.1 33.3 49.9





#15

Acrylonitrile

Concen: 656.159 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.01 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

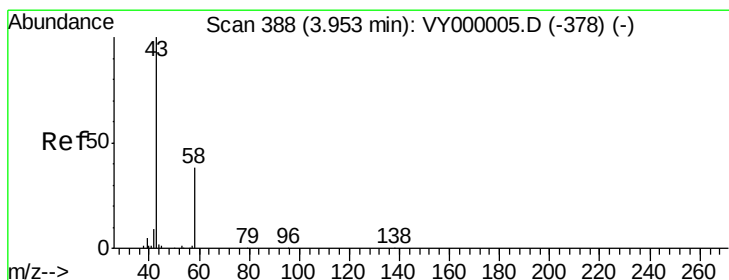
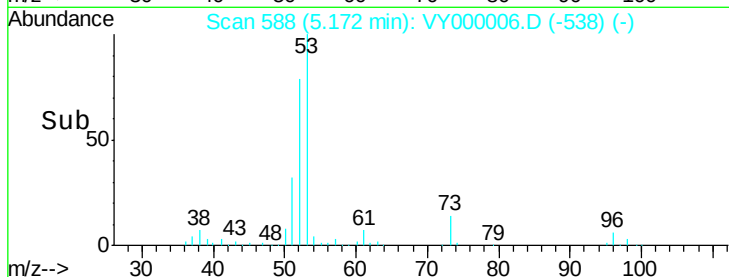
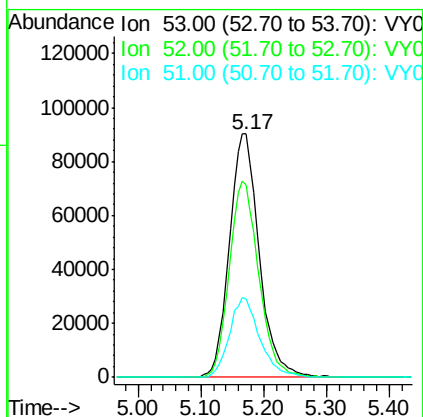
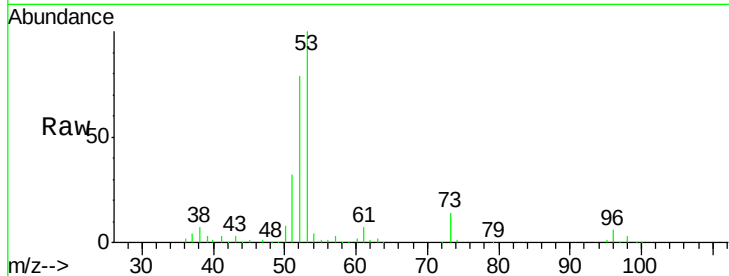
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	297101
Ion Ratio		Lower	Upper
53	100		
52	79.6	64.4	96.6
51	33.3	27.1	40.7

Manual Integrations
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#16

Acetone

Concen: 475.541 ug/l

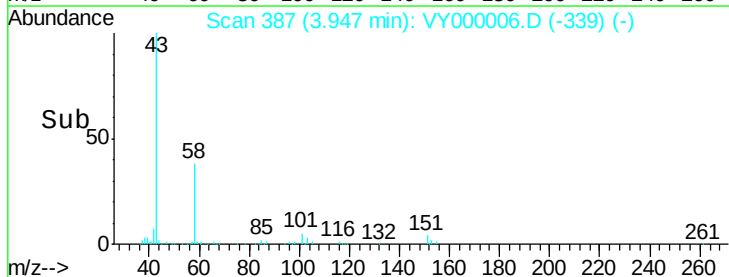
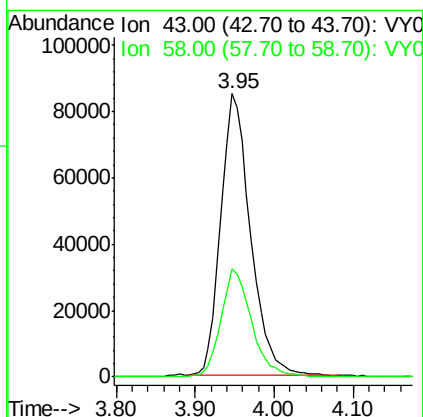
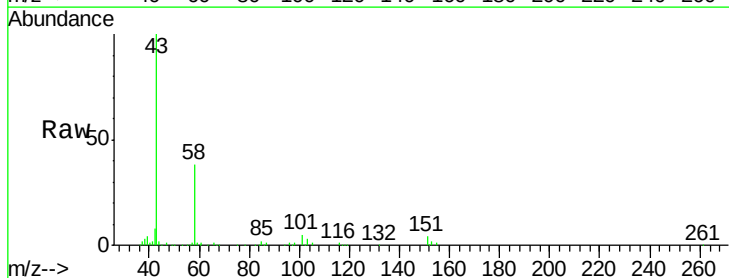
RT: 3.95 min Scan# 387

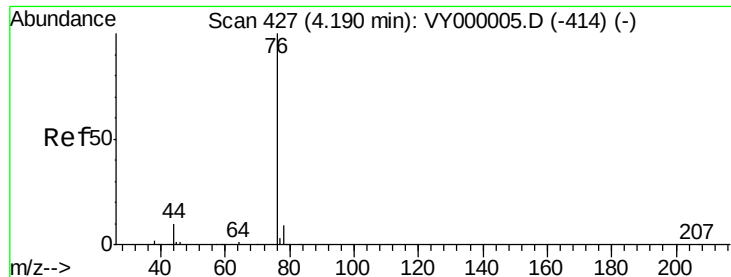
Delta R.T. -0.01 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Tgt Ion:	43	Resp:	223953
Ion Ratio		Lower	Upper
43	100		
58	38.4	30.5	45.7





#17

Carbon Disulfide

Concen: 104.138 ug/l

RT: 4.18 min Scan# 426

Delta R.T. -0.01 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 290803

Ion Ratio Lower Upper

76 100

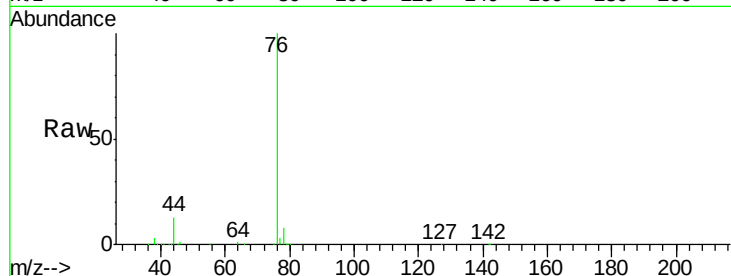
78 8.2 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.18

120000

100000

80000

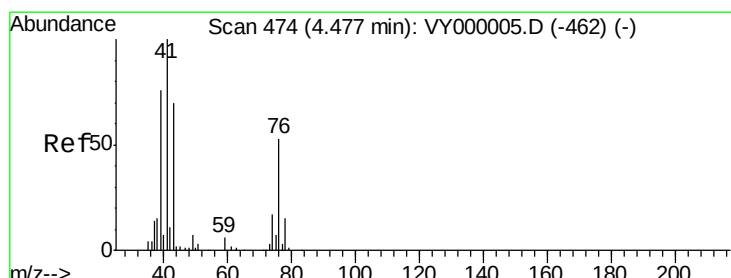
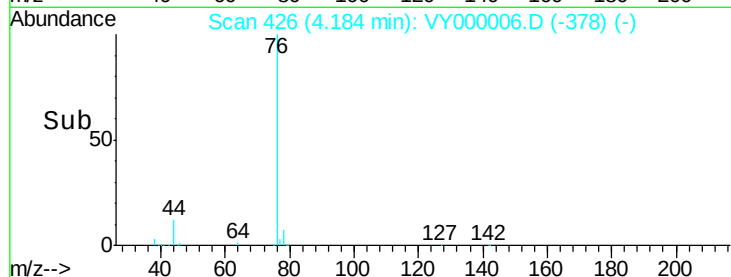
60000

40000

20000

0

Time--> 4.00 4.10 4.20 4.30 4.40



#18

Methyl Acetate

Concen: 110.306 ug/l

RT: 4.48 min Scan# 474

Delta R.T. 0.00 min

Lab File: VY000006.D

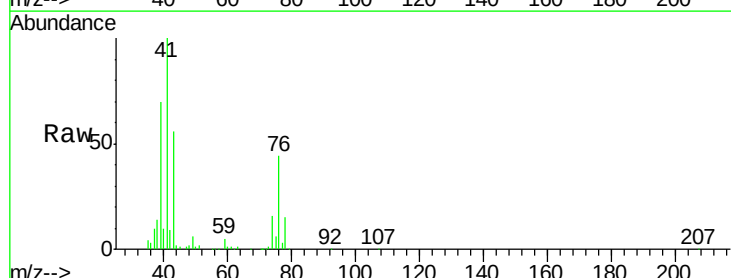
Acq: 11 Sep 2019 18:02

Tgt Ion: 43 Resp: 127307

Ion Ratio Lower Upper

43 100

74 27.8 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

40000

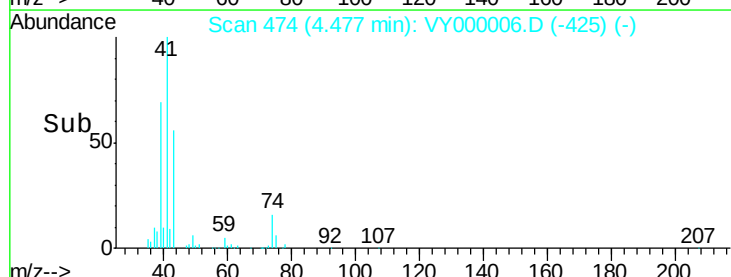
30000

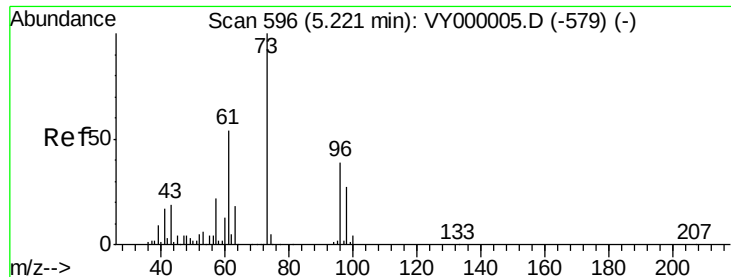
20000

10000

0

Time--> 4.30 4.40 4.50 4.60





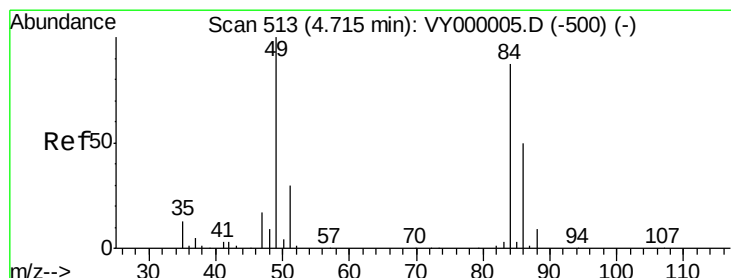
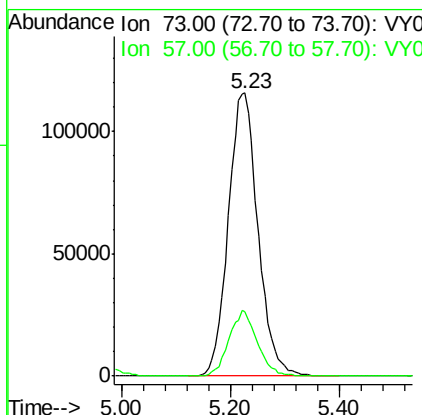
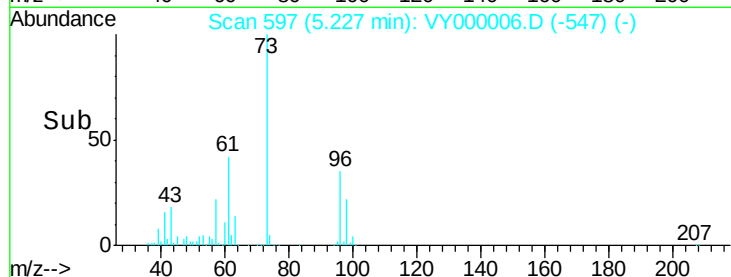
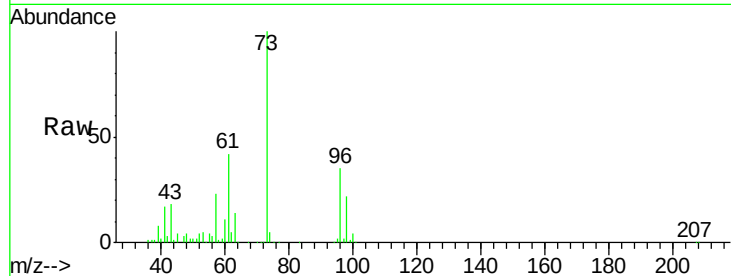
#19
Methyl tert-butyl Ether
Concen: 155.589 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 439652
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4

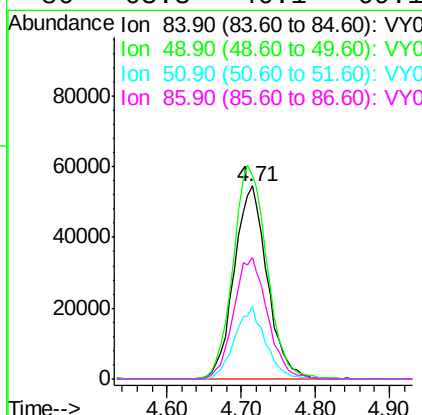
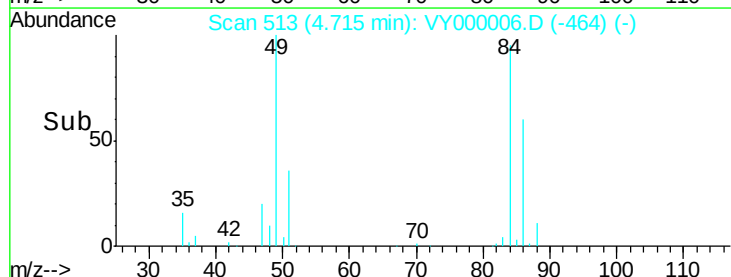
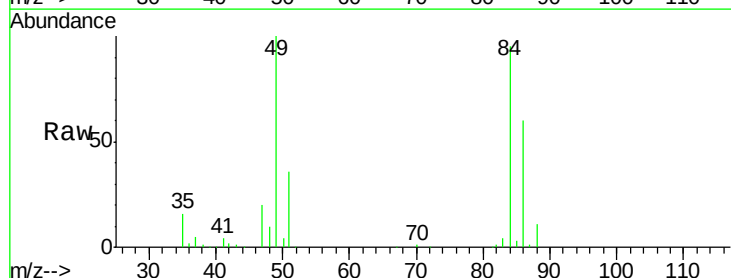
Manual Integrations
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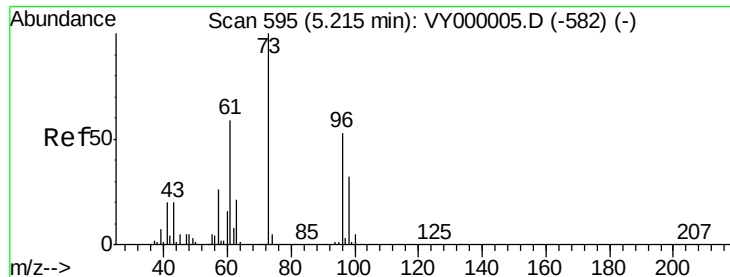
MMDadoda
9/13/2019 11:51:32 PM



#20
Methylene Chloride
Concen: 110.128 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion: 84 Resp: 170633
Ion Ratio Lower Upper
84 100
49 105.5 91.7 137.5
51 37.8 28.0 42.0
86 63.3 46.1 69.1





#21

trans-1,2-Dichloroethene

Concen: 115.622 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.01 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

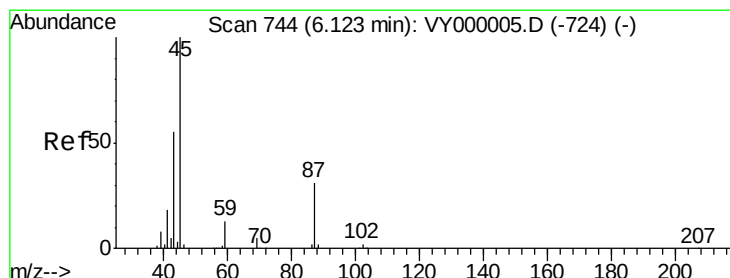
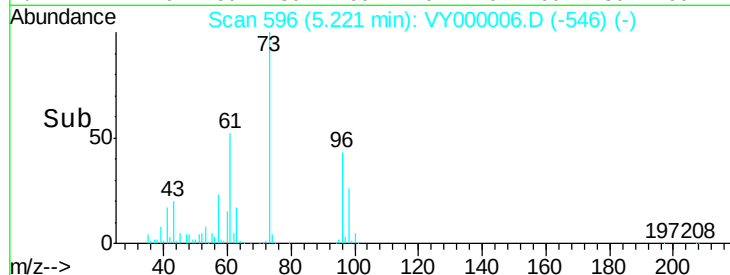
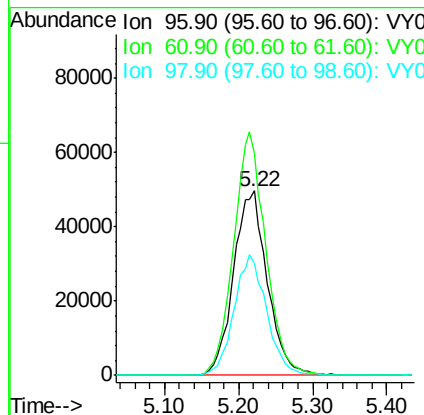
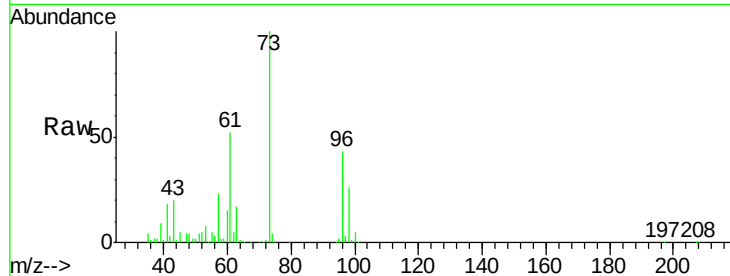
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	157605
Ion	Ratio	Lower	Upper
96	100		
61	120.1	89.4	134.2
98	60.5	48.6	73.0

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#22

Diisopropyl ether

Concen: 96.670 ug/l

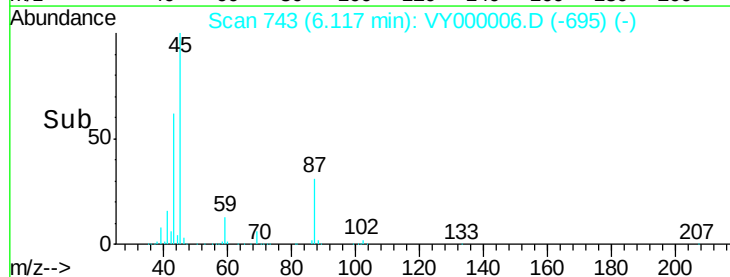
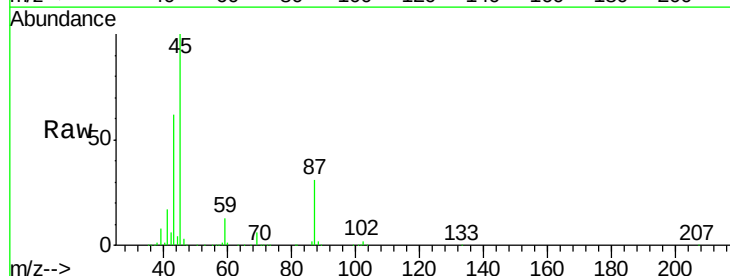
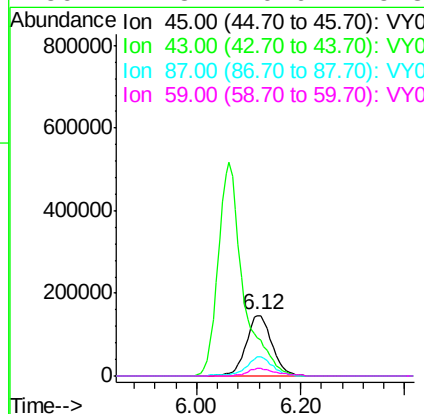
RT: 6.12 min Scan# 743

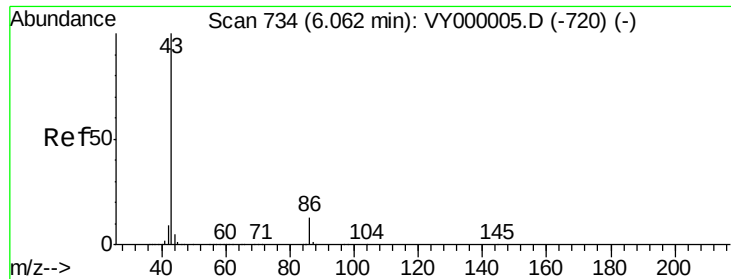
Delta R.T. -0.01 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Tgt Ion:	45	Resp:	505579
Ion	Ratio	Lower	Upper
45	100		
43	62.2	45.2	67.8
87	31.4	25.3	37.9
59	12.8	10.6	15.8





#23

Vinyl Acetate

Concen: 516.774 ug/l

RT: 6.06 min Scan# 734

Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1727612

Ion Ratio Lower Upper

43 100

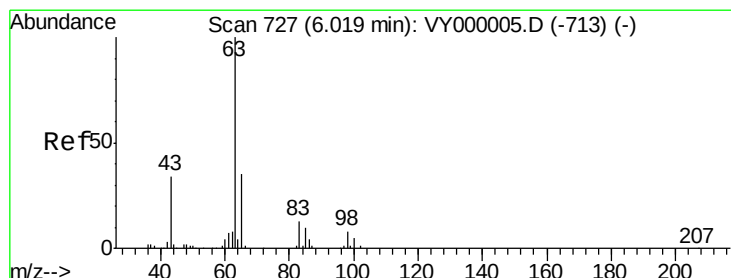
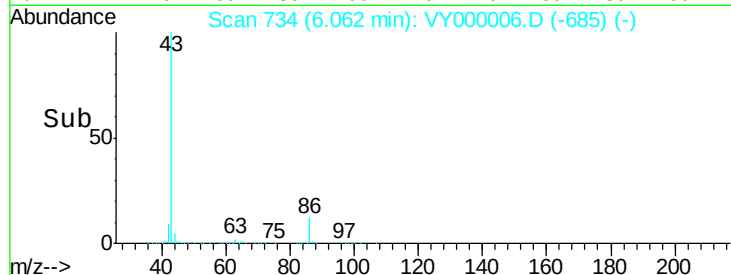
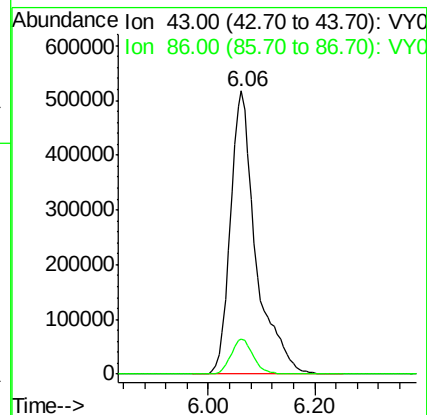
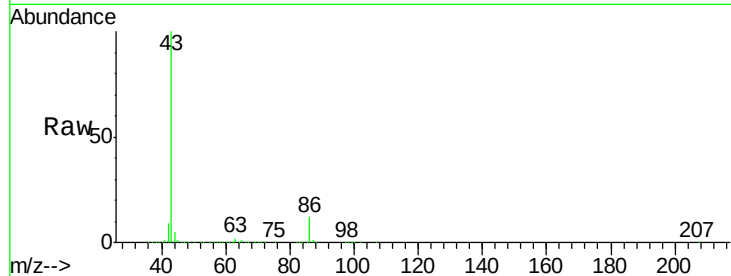
86 12.4 10.3 15.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 104.785 ug/l

RT: 6.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

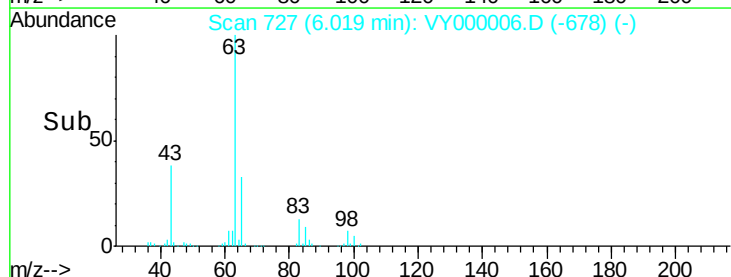
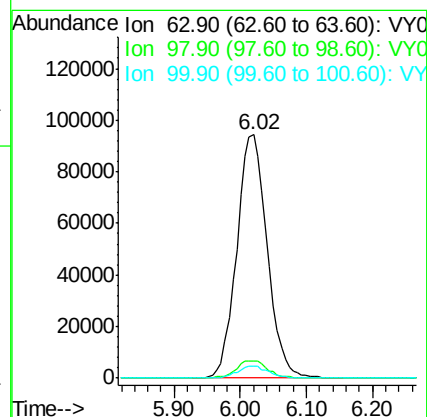
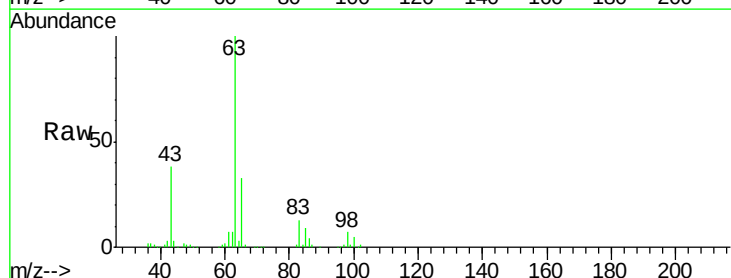
Tgt Ion: 63 Resp: 299651

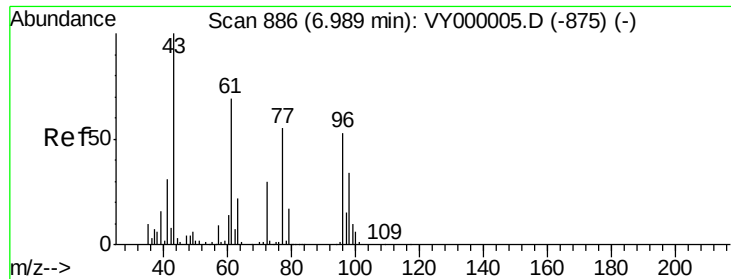
Ion Ratio Lower Upper

63 100

98 7.0 4.0 12.0

100 5.1 2.5 7.5





#25

2-Butanone

Concen: 578.449 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 372508

Ion Ratio Lower Upper

43 100

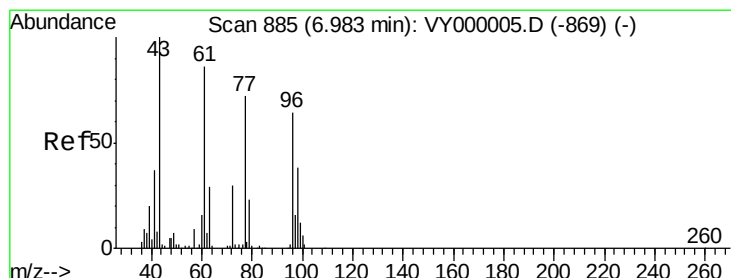
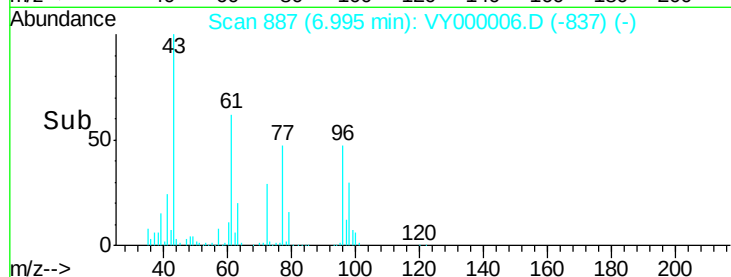
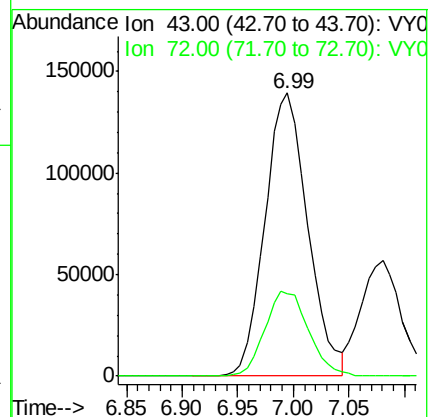
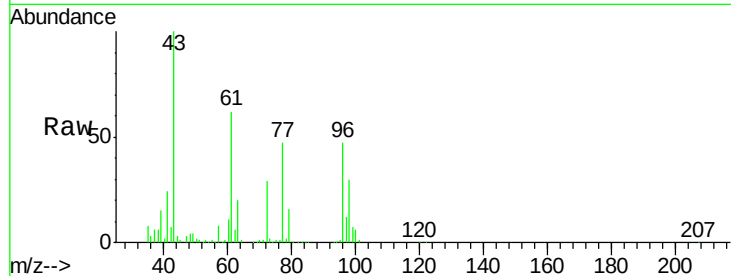
72 29.0 24.2 36.2

Manual Integrations

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9/13/2019 11:51:32 PM



#26

2,2-Dichloropropane

Concen: 130.094 ug/l

RT: 6.98 min Scan# 885

Delta R.T. 0.00 min

Lab File: VY000006.D

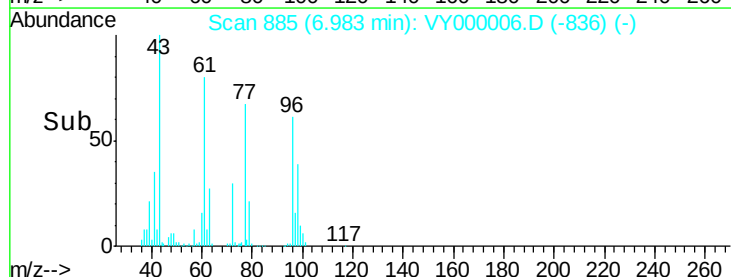
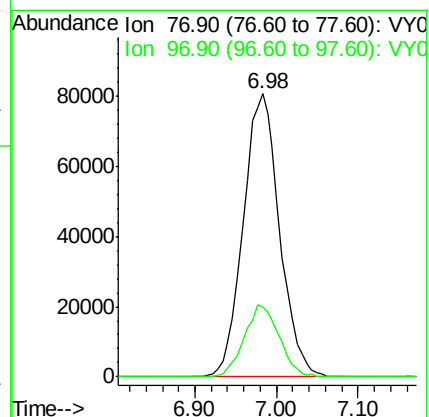
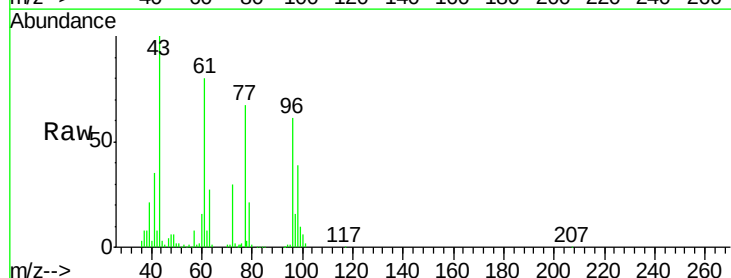
Acq: 11 Sep 2019 18:02

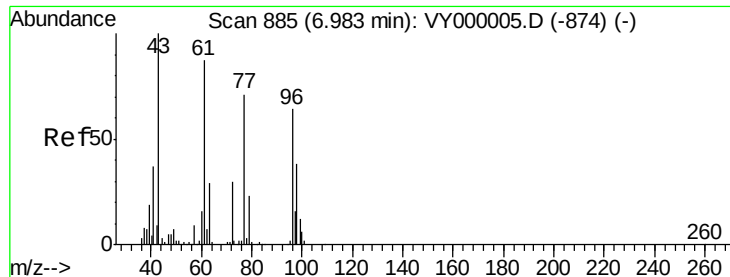
Tgt Ion: 77 Resp: 248445

Ion Ratio Lower Upper

77 100

97 24.6 12.6 37.6





#27

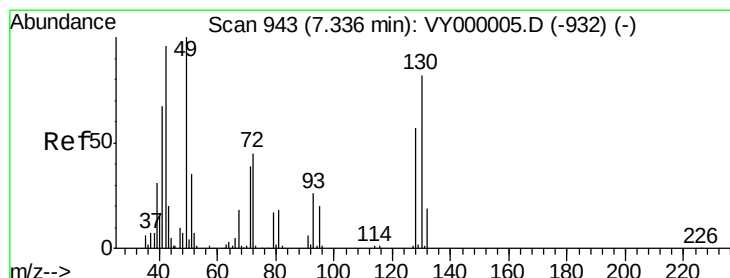
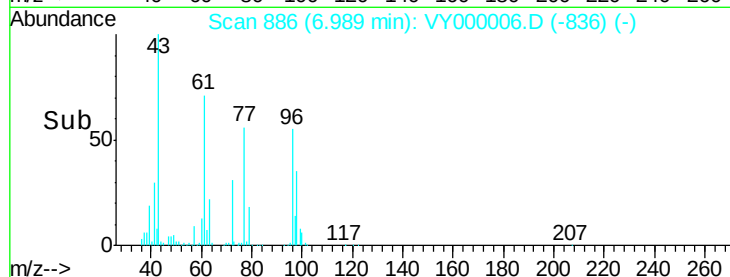
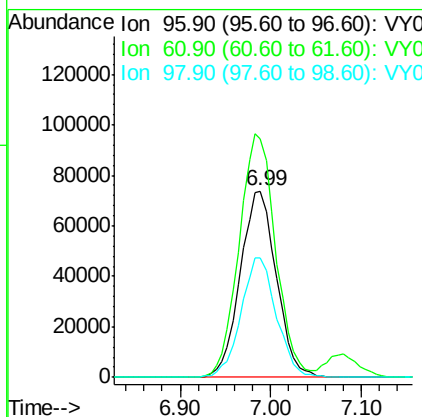
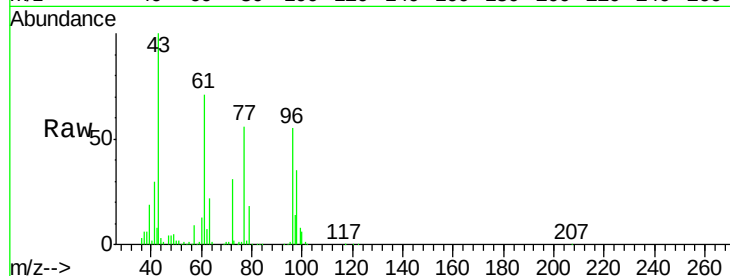
cis-1,2-Dichloroethene
Concen: 126.493 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.01 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	203537		
61	132.0	0.0	259.0	
98	62.9	0.0	129.8	

Manual Integrations
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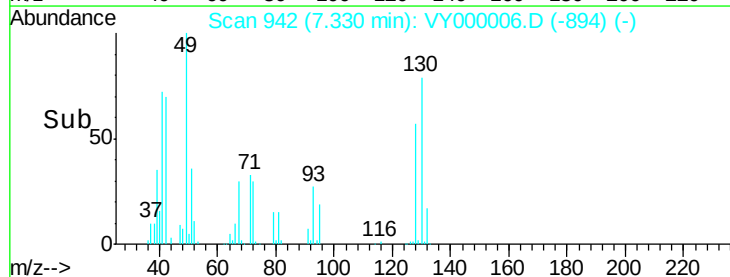
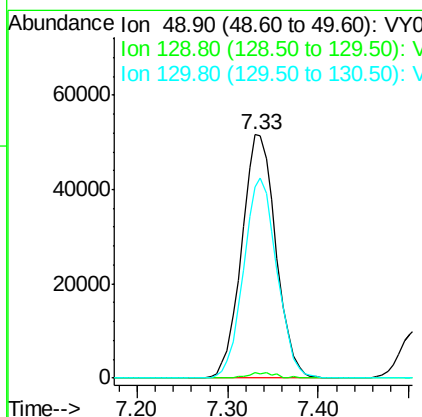
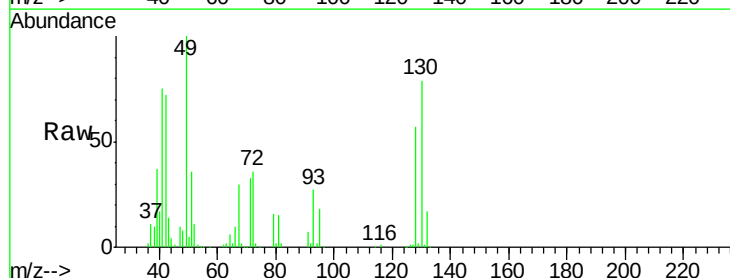
MMDadoda
9/13/2019 11:51:32 PM

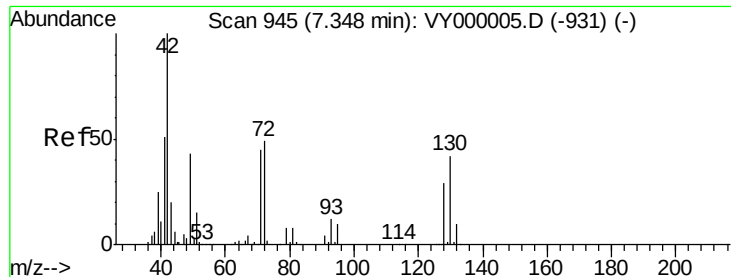


#28

Bromochloromethane
Concen: 100.999 ug/l
RT: 7.33 min Scan# 942
Delta R.T. -0.01 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	134574		
129	2.1	0.0	4.6	
130	80.2	65.3	97.9	





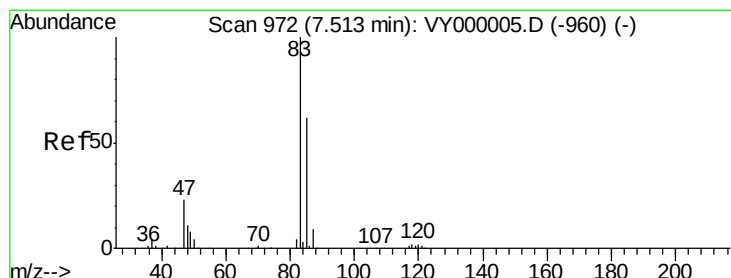
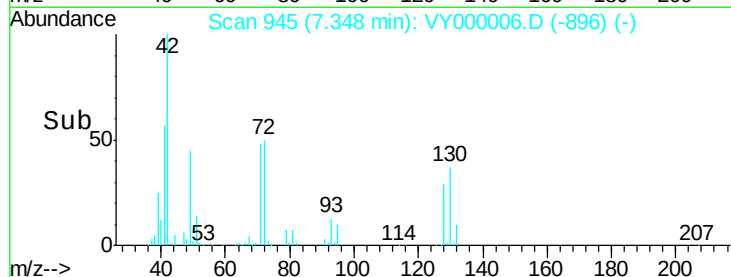
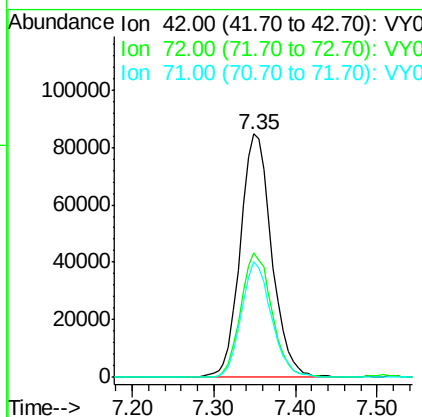
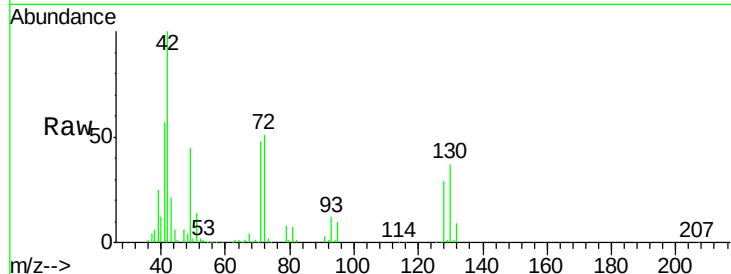
#29
Tetrahydrofuran
Concen: 573.064 ug/l
RT: 7.35 min Scan# 945
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	39.2	58.8
71	45.3	36.4	54.6

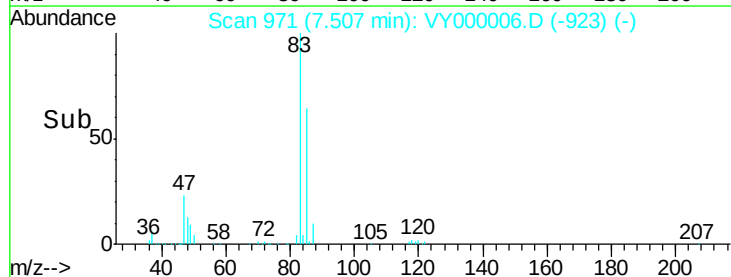
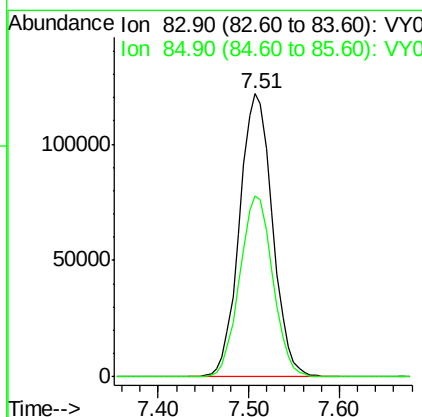
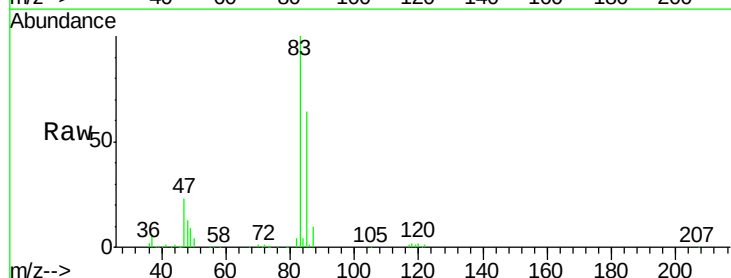
Manual Integrations
APPROVED

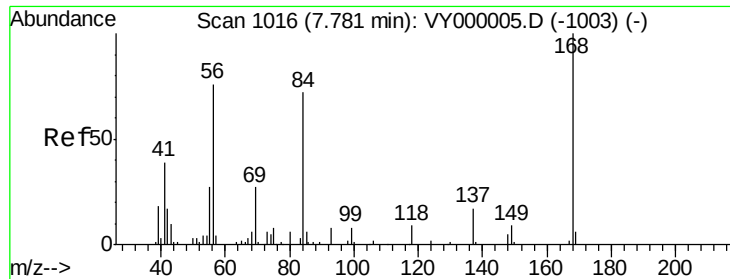
MMDadoda
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#30
Chloroform
Concen: 106.604 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	49.4	74.0





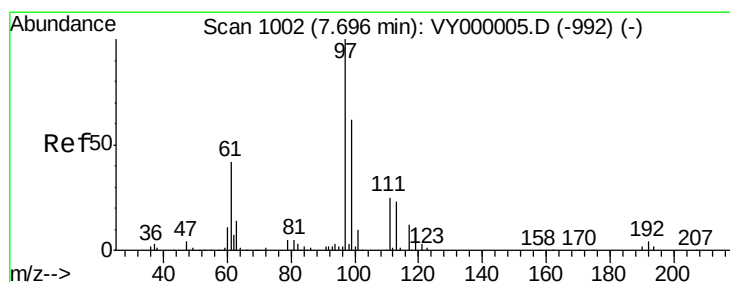
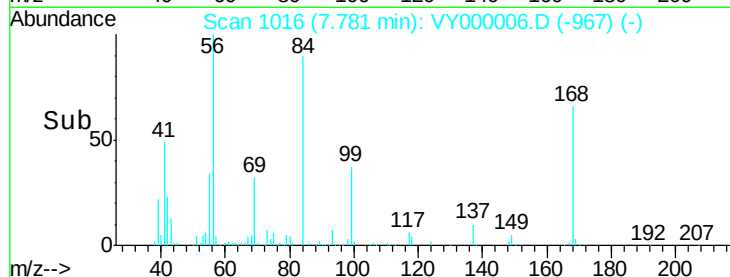
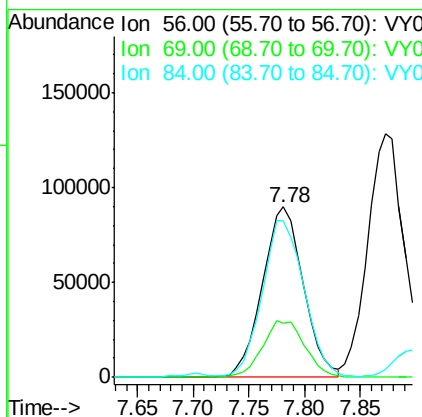
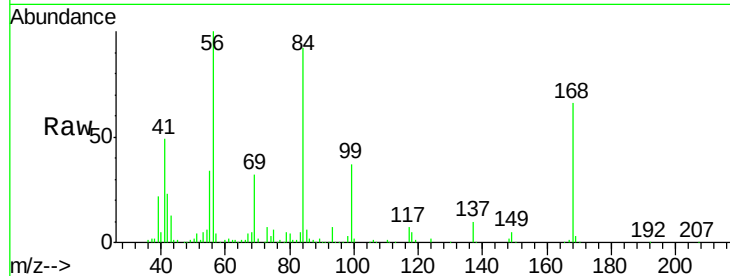
#31
Cyclohexane
Concen: 89.285 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	28.5	42.7
84	90.1	76.4	114.6

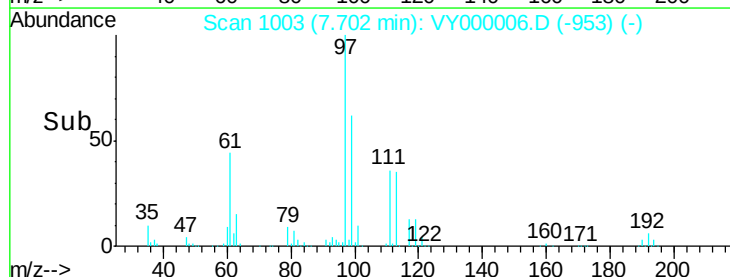
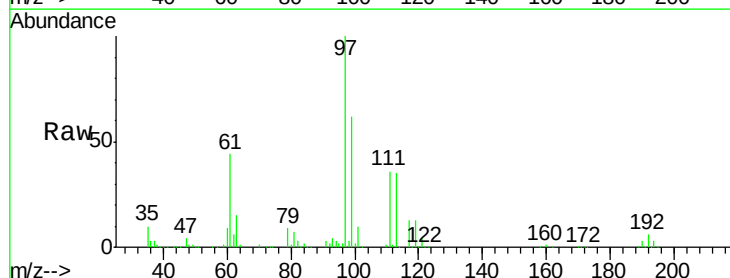
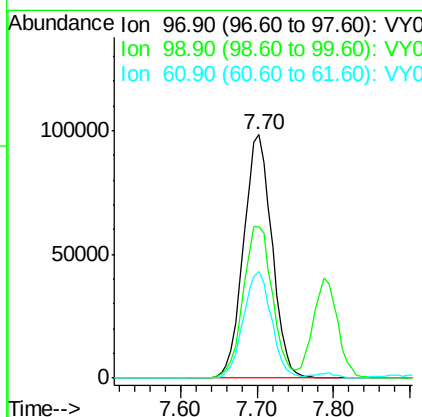
Manual Integrations
APPROVED

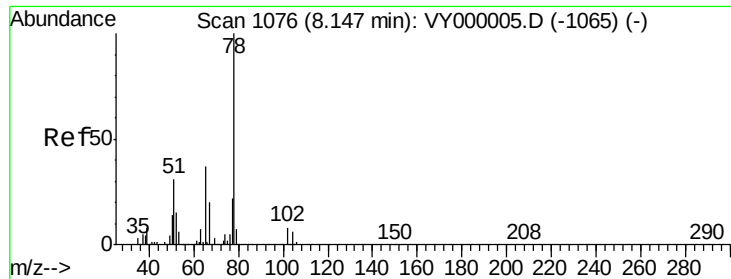
MMDadoda
9/13/2019 11:51:32 PM



#32
1,1,1-Trichloroethane
Concen: 109.304 ug/l
RT: 7.70 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.3	75.5
61	43.5	35.0	52.4





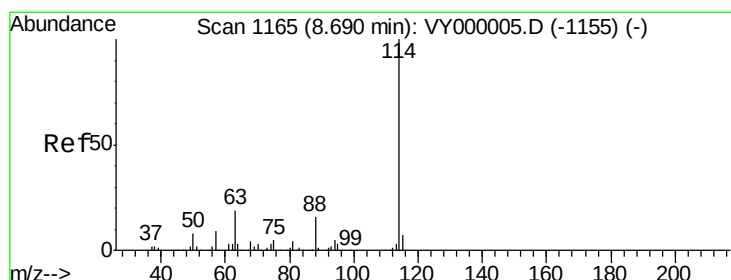
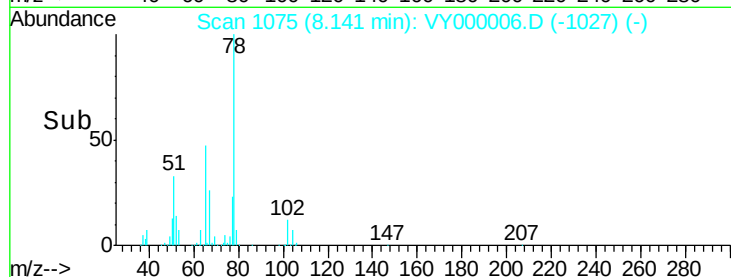
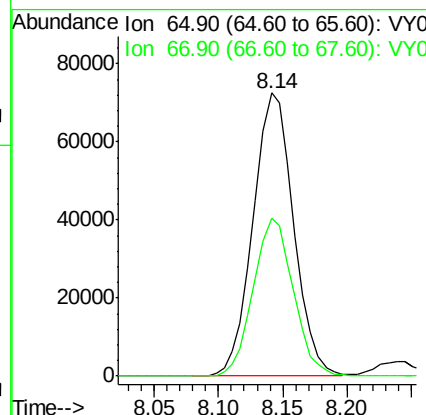
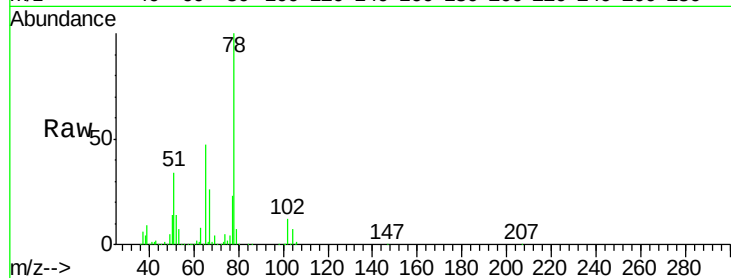
#33
 1,2-Dichloroethane-d4
 Concen: 89.500 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	111.4	

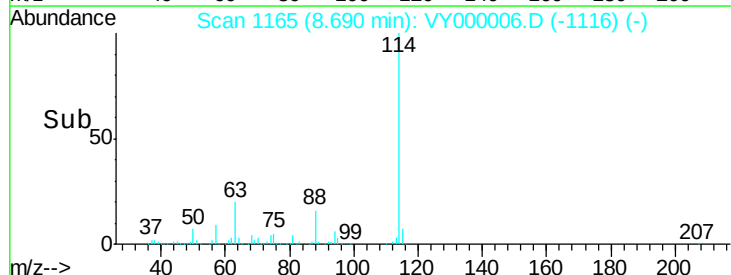
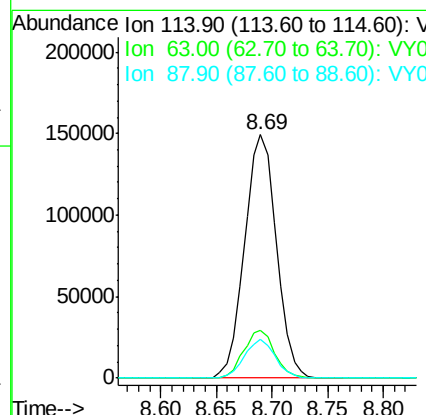
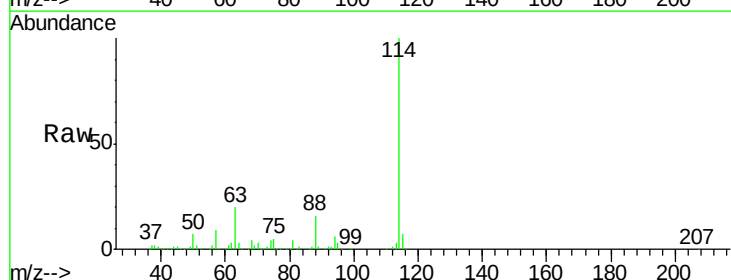
Manual Integrations
 APPROVED

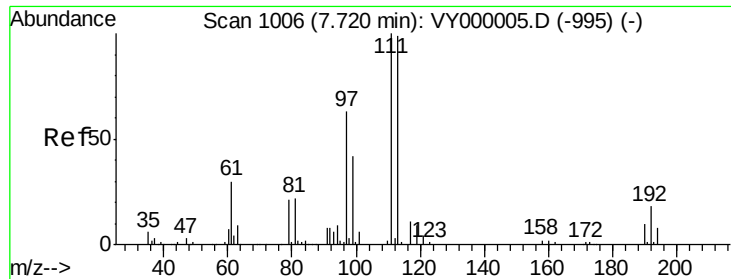
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	37.4	
88	16.0	0.0	32.6	





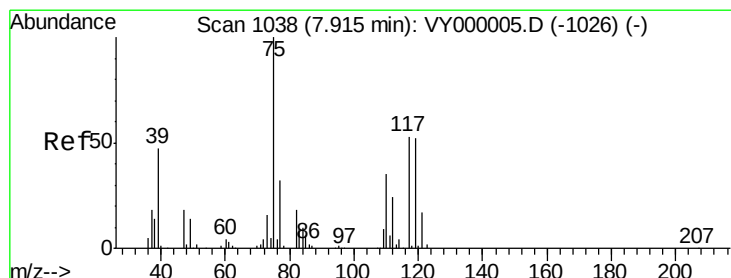
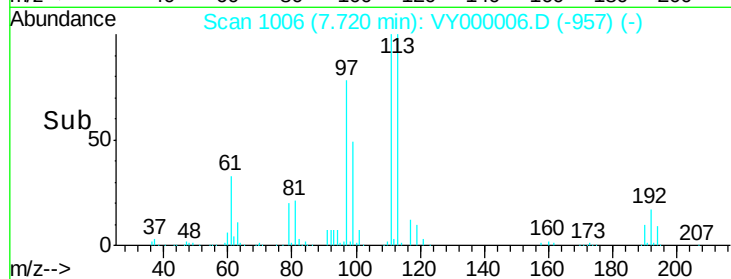
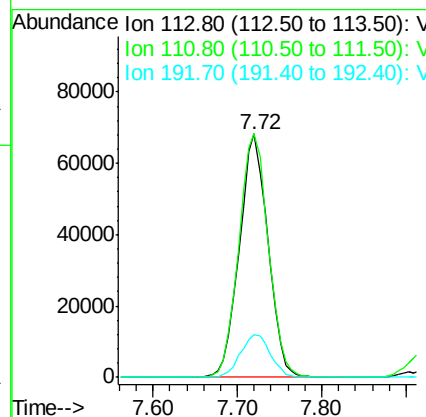
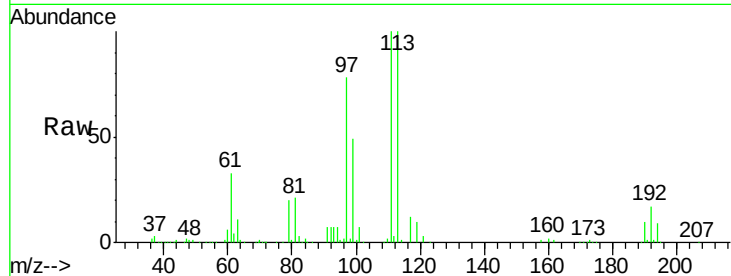
#35
 Dibromofluoromethane
 Concen: 89.103 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155710		
111	103.3	81.6	122.4	
192	18.3	15.2	22.8	

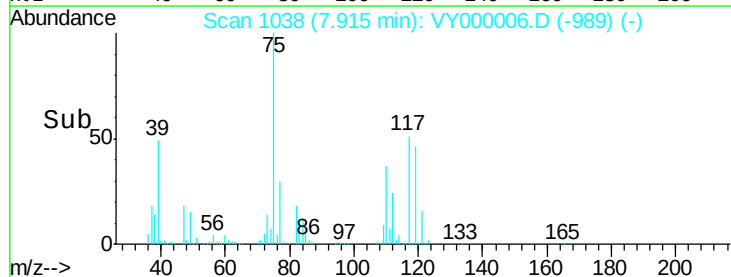
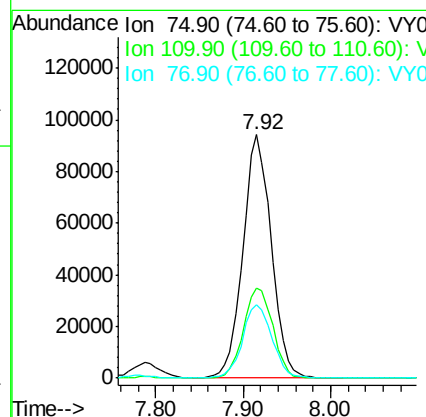
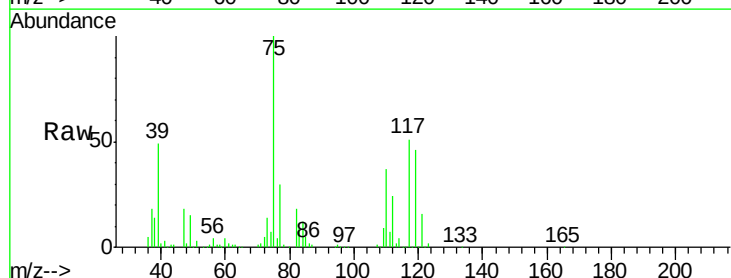
Manual Integrations
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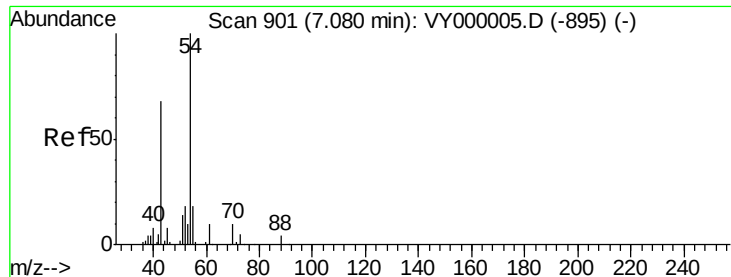
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#36
 1,1-Dichloropropene
 Concen: 84.597 ug/l
 RT: 7.92 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	212306		
110	38.1	18.7	56.1	
77	31.4	25.6	38.4	





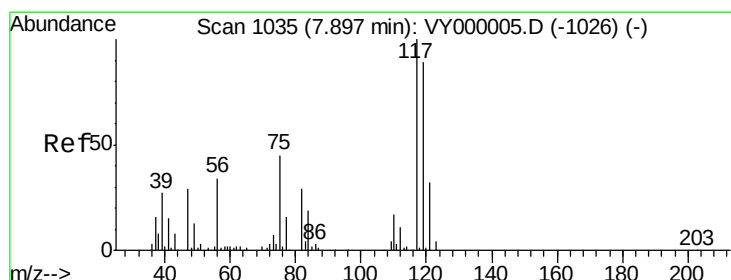
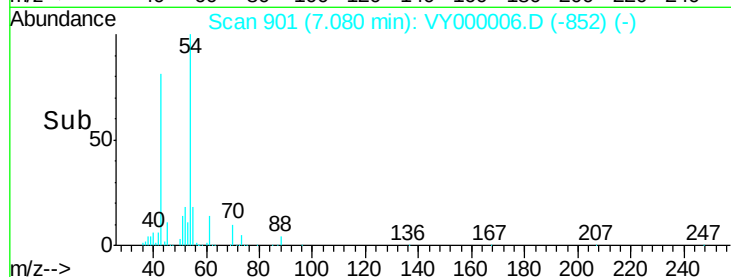
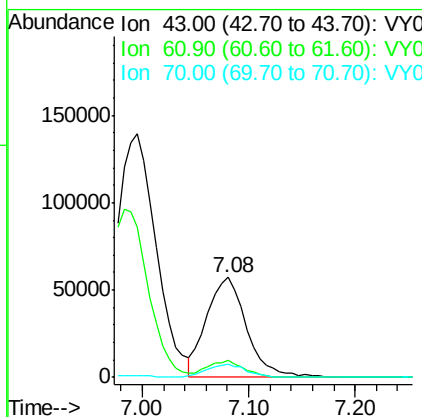
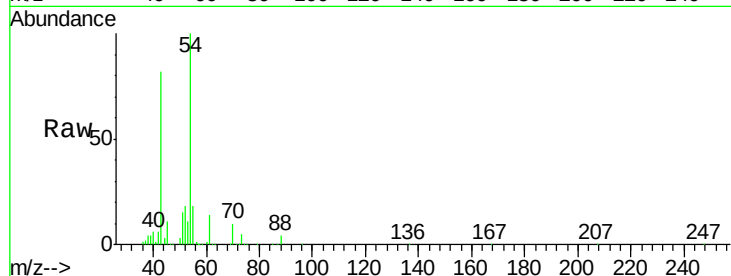
#37
Ethyl Acetate
Concen: 91.610 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	13.0	19.4
70	12.8	11.0	16.4

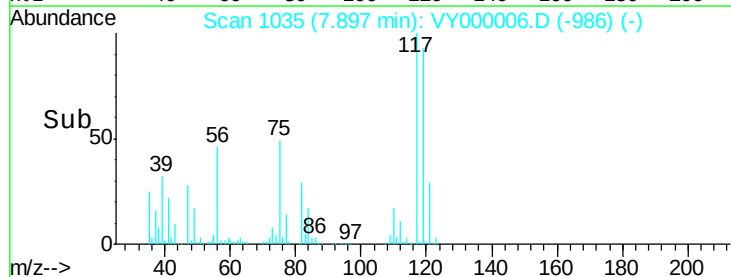
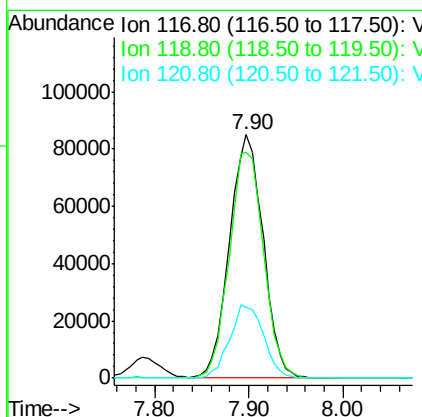
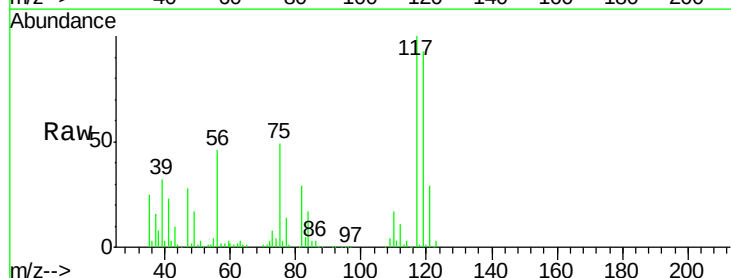
Manual Integrations
APPROVED

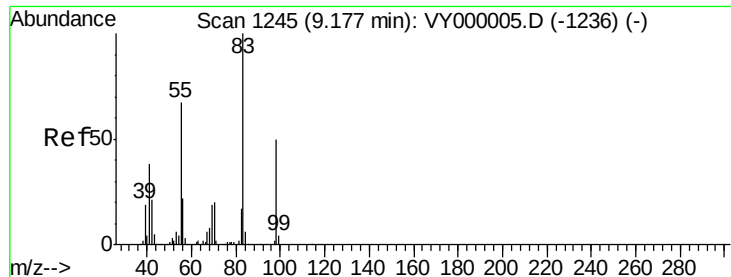
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#38
Carbon Tetrachloride
Concen: 85.981 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	71.5	107.3
121	29.0	25.3	37.9





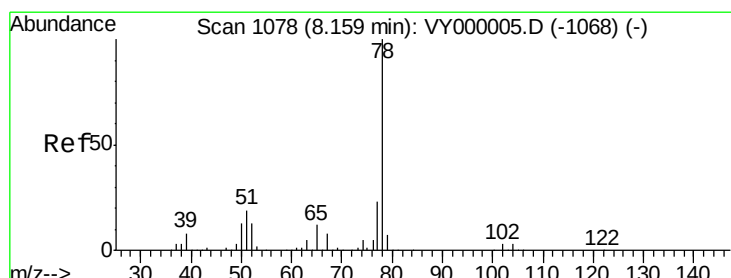
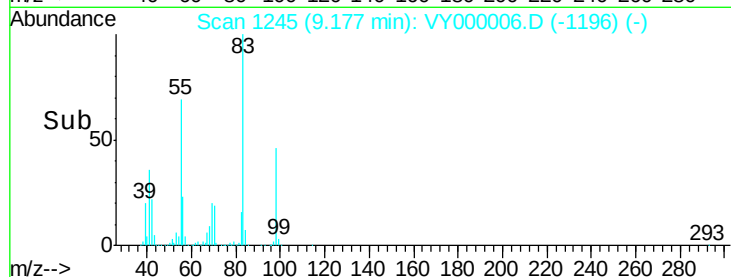
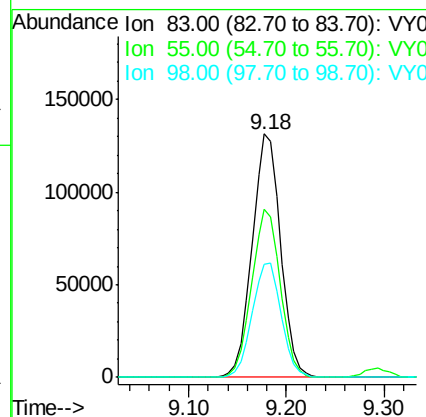
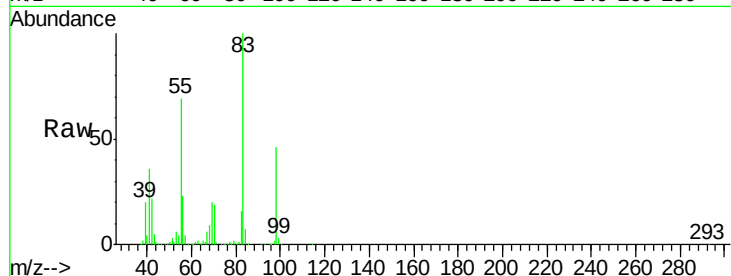
#39
Methylvlcyclohexane
Concen: 92.449 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.9	53.8	80.6
98	46.4	40.0	60.0

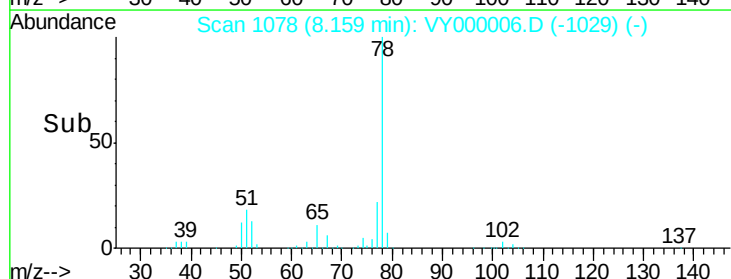
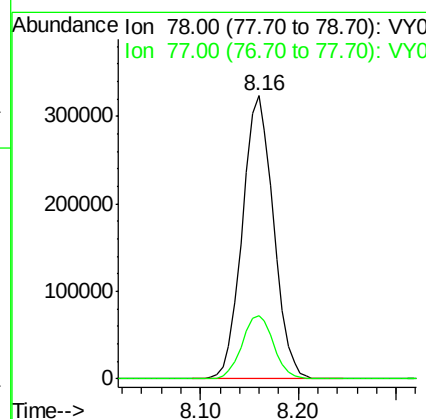
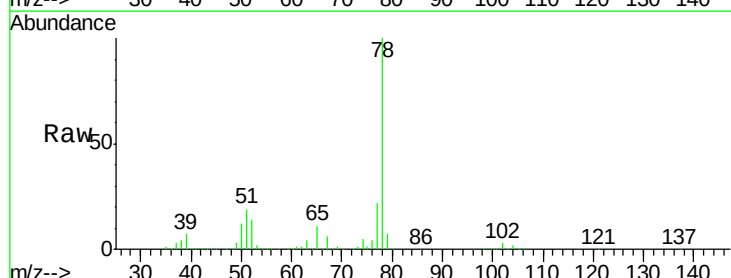
Manual Integrations
APPROVED

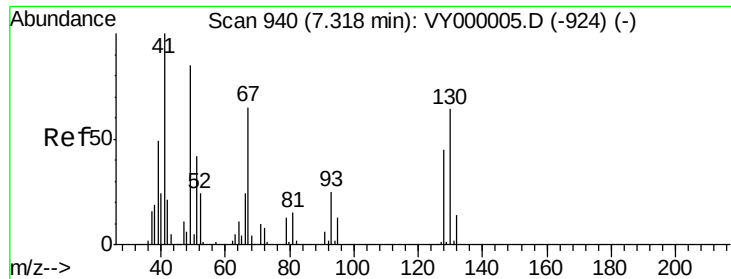
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#40
Benzene
Concen: 99.848 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.0	27.0





#41

Methacrylonitrile

Concen: 96.146 ug/l m

RT: 7.32 min Scan# 941

Delta R.T. 0.01 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 91022

Ion Ratio Lower Upper

41 100

39 0.0 48.4 72.6#

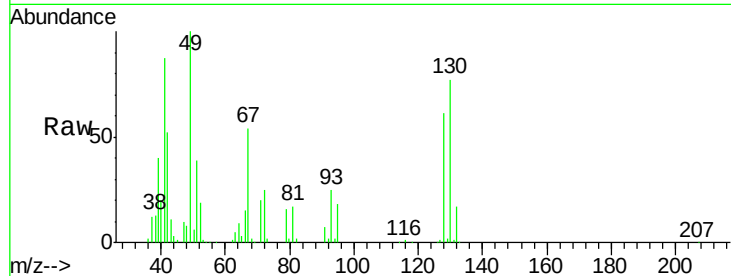
67 0.0 76.3 114.5#

52 0.0 29.0 43.6#

Manual Integrations
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MMDadoda

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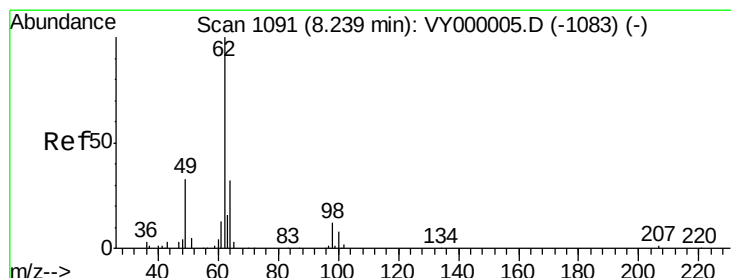
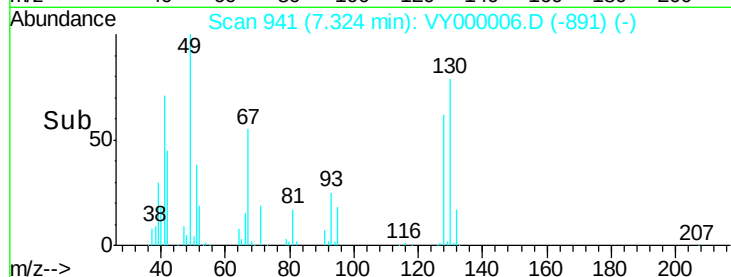
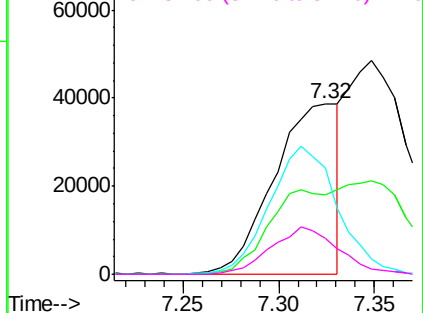


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 76.726 ug/l

RT: 8.24 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VY000006.D

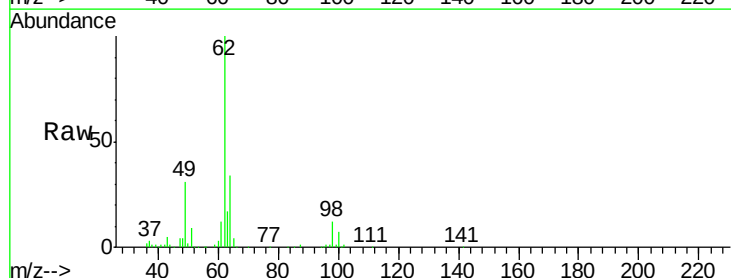
Acq: 11 Sep 2019 18:02

Tgt Ion: 62 Resp: 184594

Ion Ratio Lower Upper

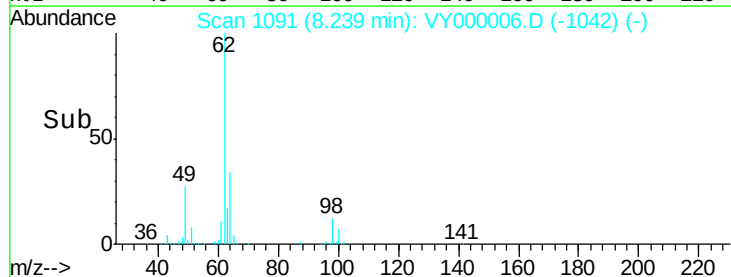
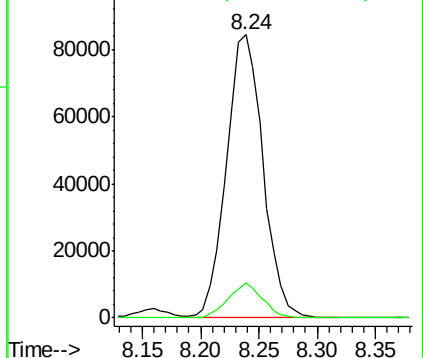
62 100

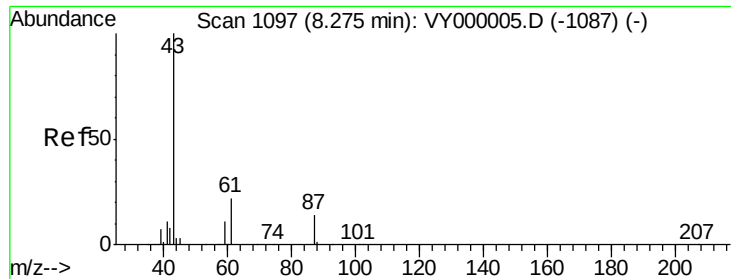
98 11.5 0.0 24.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





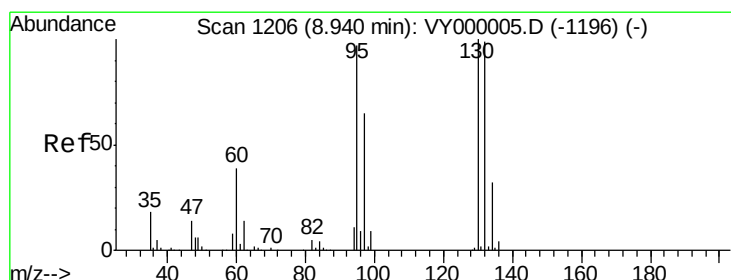
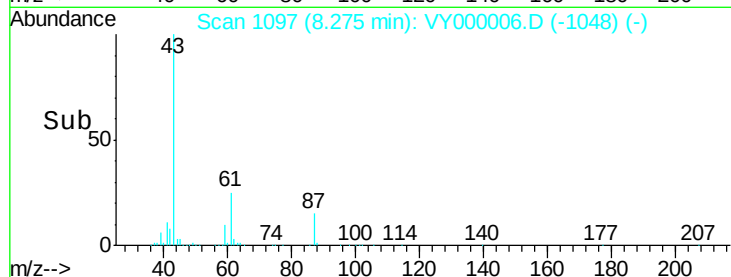
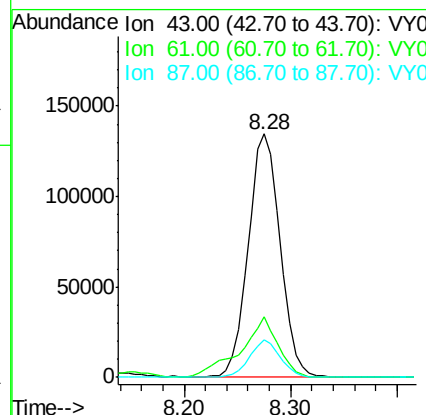
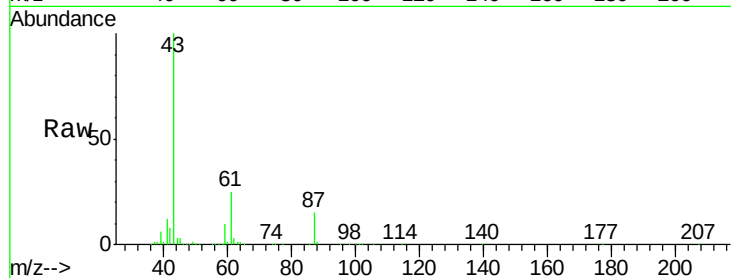
#43
Isopropyl Acetate
Concen: 92.165 ug/l
RT: 8.28 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.6	25.2	37.8
87	14.9	12.6	18.8

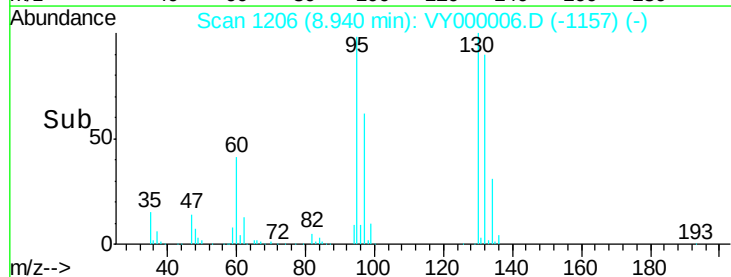
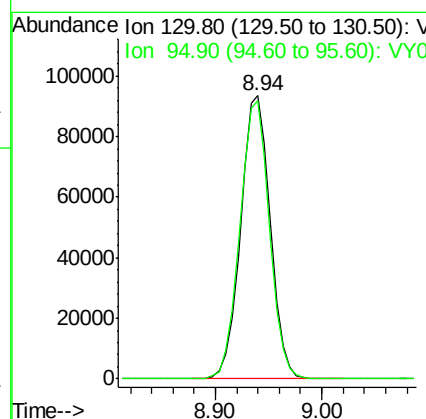
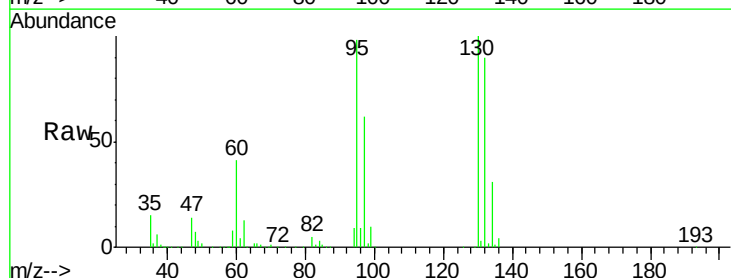
Manual Integrations
APPROVED

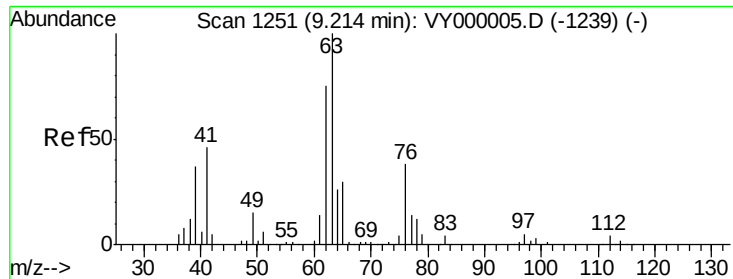
MMDadoda
9/13/2019 11:51:32 PM



#44
Trichloroethene
Concen: 98.506 ug/l
RT: 8.94 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	194.2





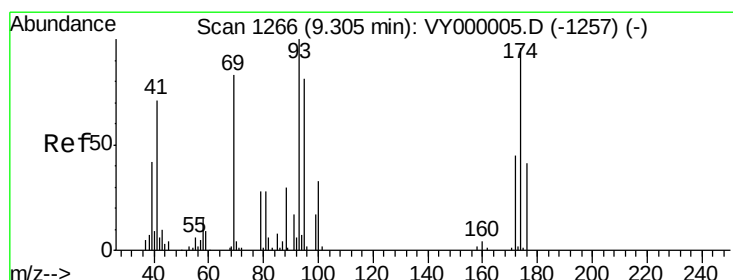
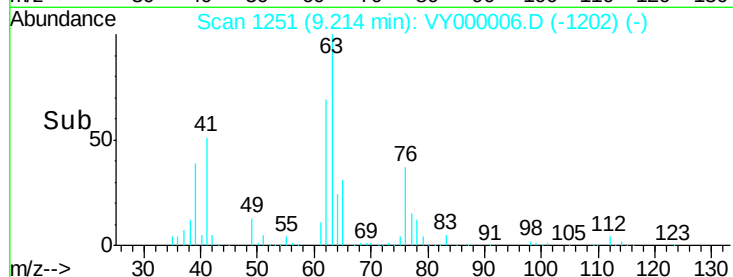
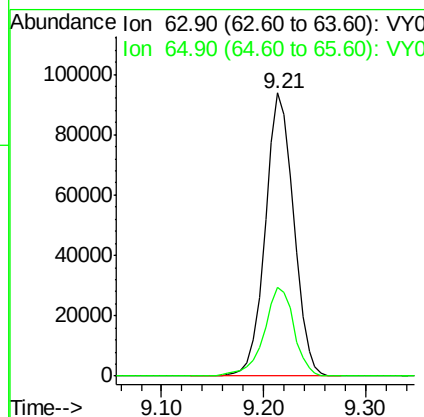
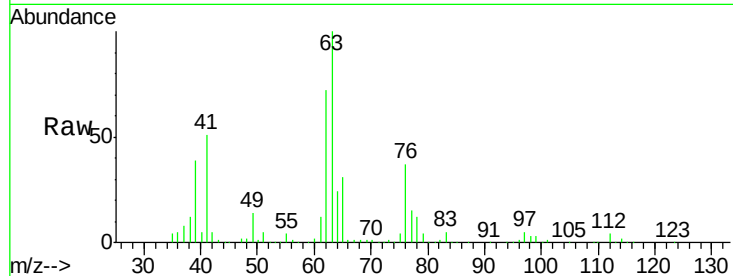
#45
 1,2-Dichloropropane
 Concen: 92.417 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.3	36.5

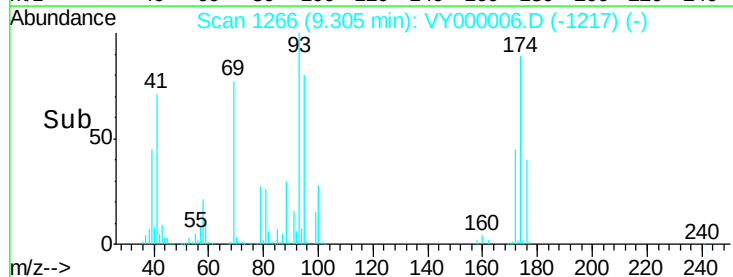
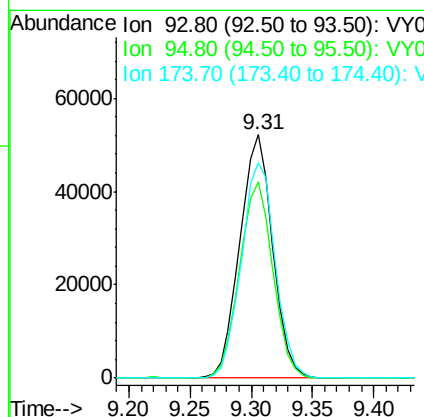
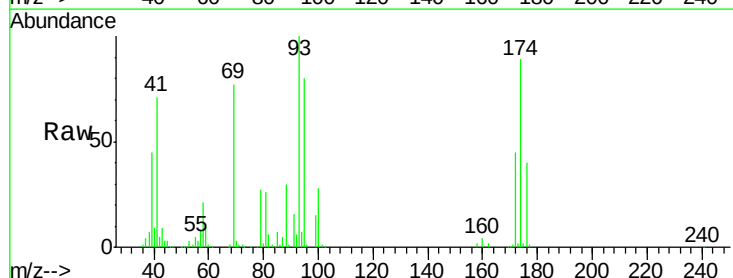
Manual Integrations
 APPROVED

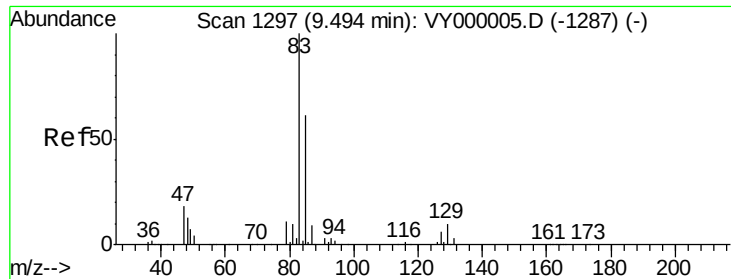
MMDadoda
 9/13/2019 11:51:32 PM



#46
 Dibromomethane
 Concen: 102.809 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	68.1	102.1
174	91.4	72.8	109.2





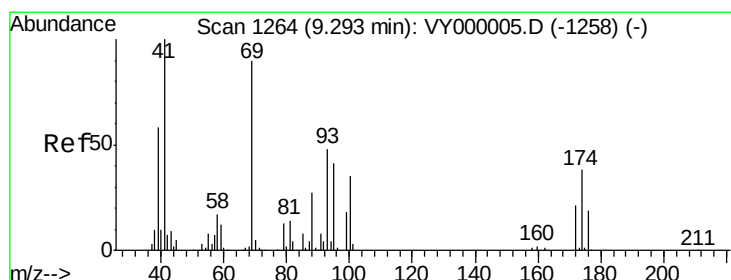
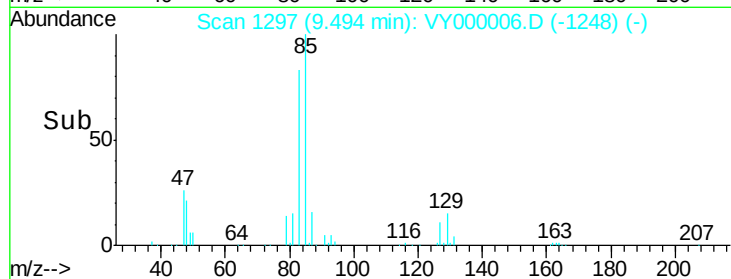
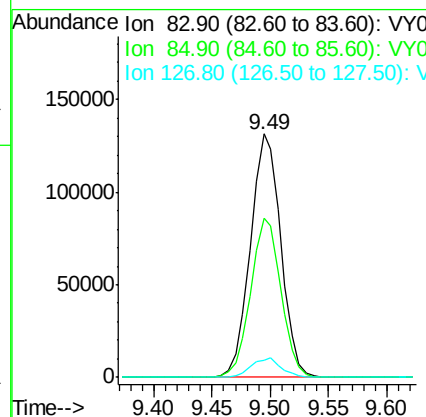
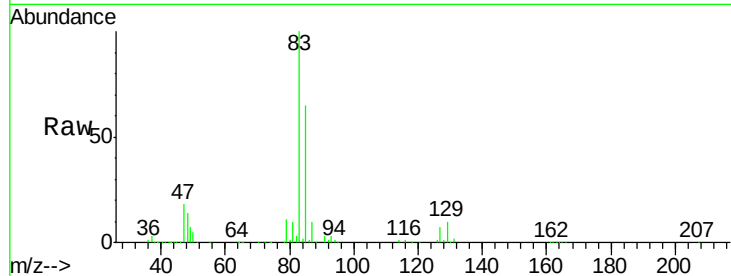
#47
Bromodichloromethane
Concen: 93.665 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	239007		
85	65.2	49.2	73.8	
127	7.0	5.0	7.6	

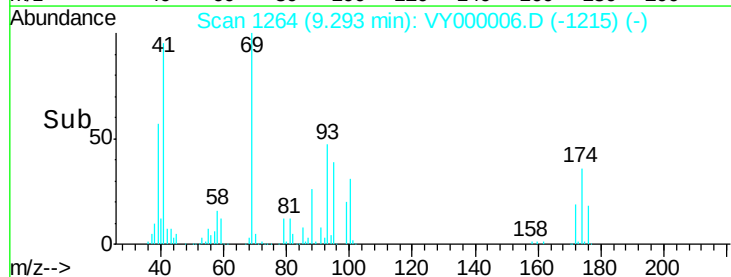
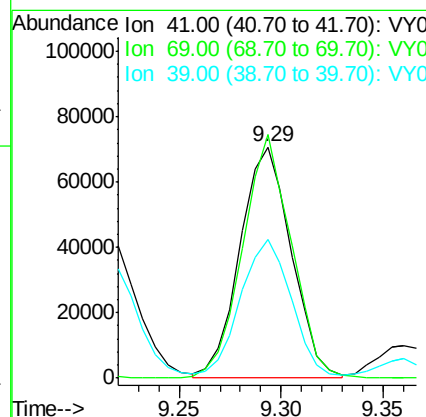
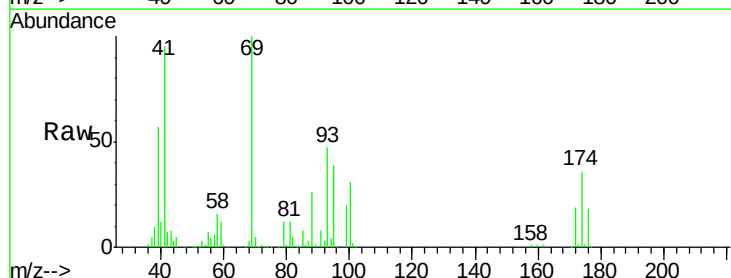
Manual Integrations
APPROVED

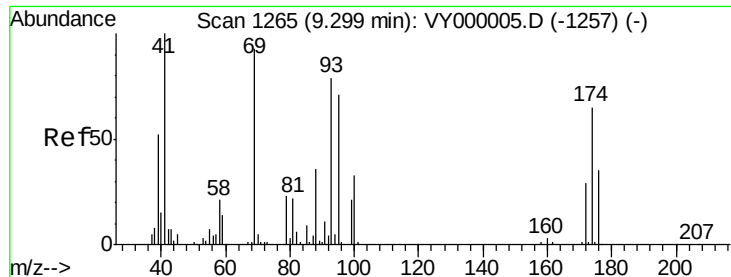
MMDadoda
9/13/2019 11:51:32 PM



#48
Methyl methacrylate
Concen: 84.628 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	123313		
69	100.1	77.4	116.2	
39	60.0	47.4	71.2	





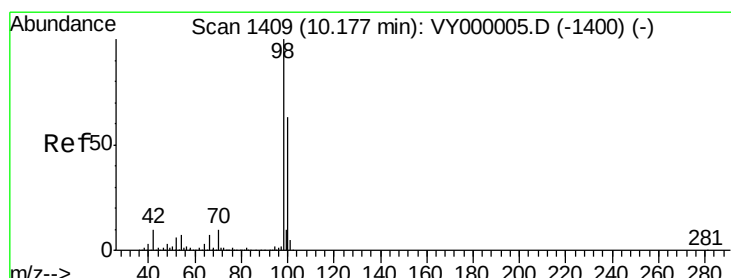
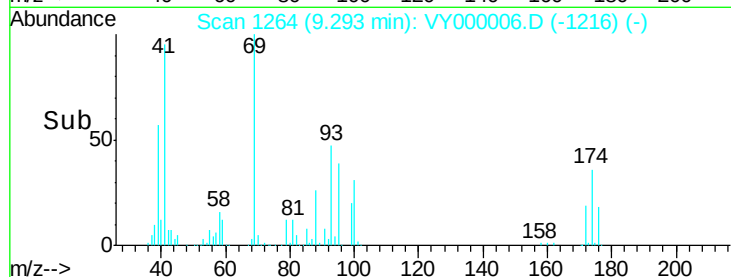
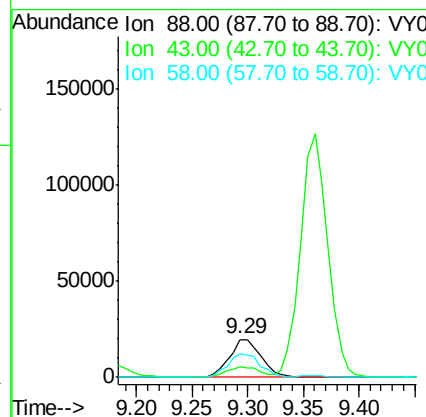
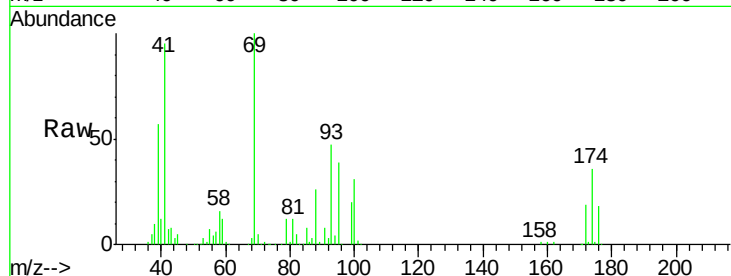
#49
1,4-Dioxane
Concen: 2030.466 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	29.9	23.4	35.2	
58	64.0	46.1	69.1	

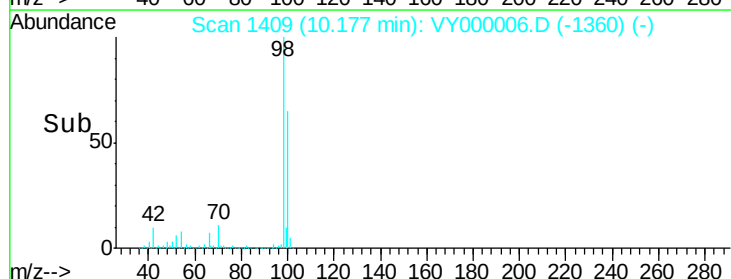
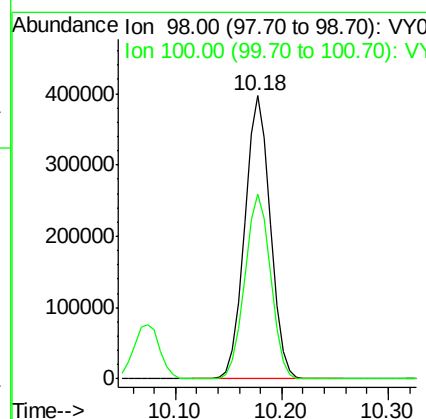
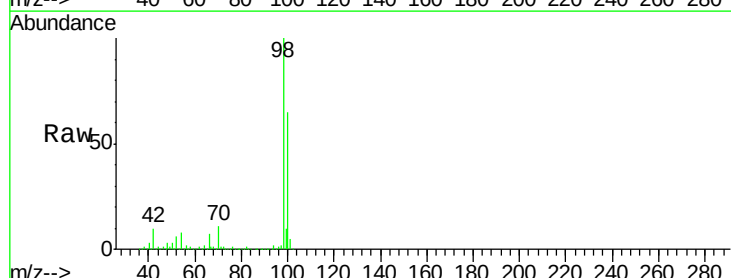
Manual Integrations
APPROVED

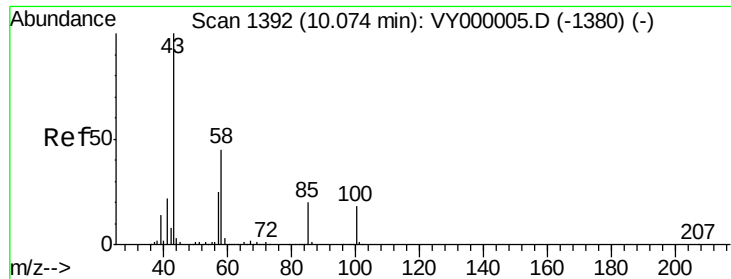
MMDadoda
9/13/2019 11:51:32 PM



#50
Toluene-d8
Concen: 96.592 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.6	52.2	78.4	





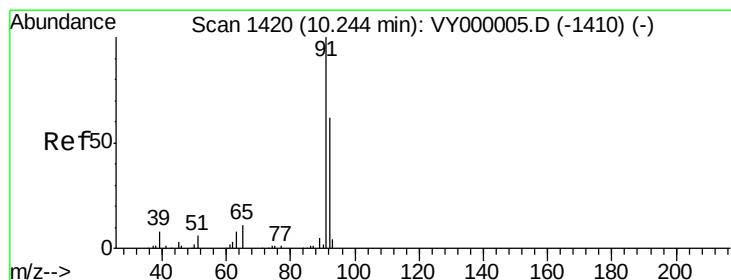
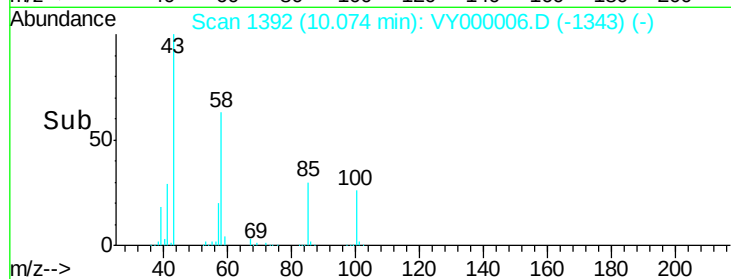
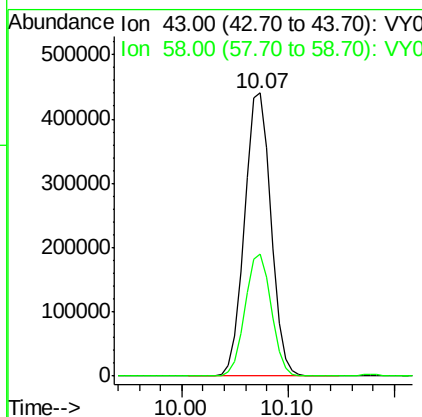
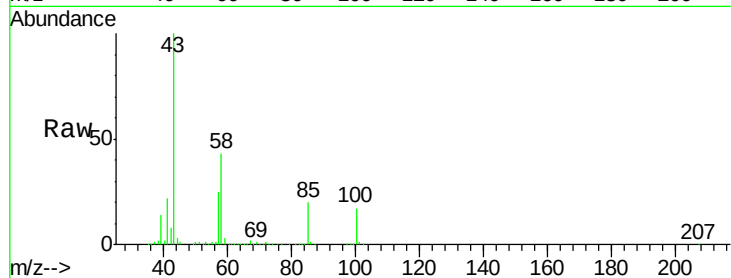
#51
4-Methyl-2-Pentanone
Concen: 474.856 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	43	Resp	768518
Ion Ratio	100	Lower	Upper
43	100		
58	42.9	34.1	51.1

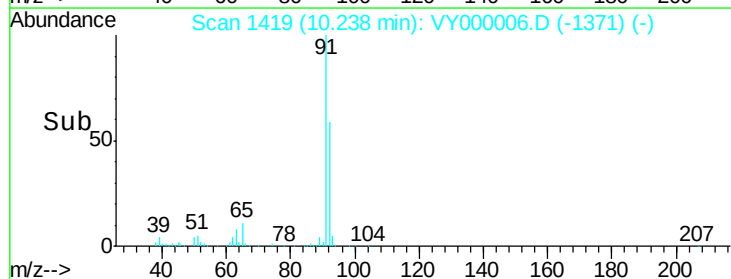
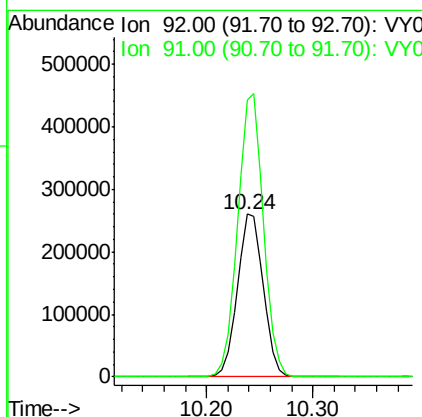
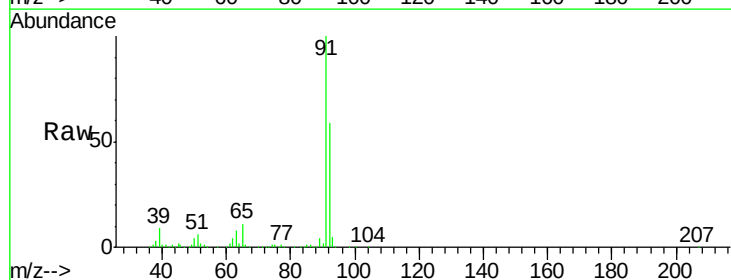
Manual Integrations
APPROVED

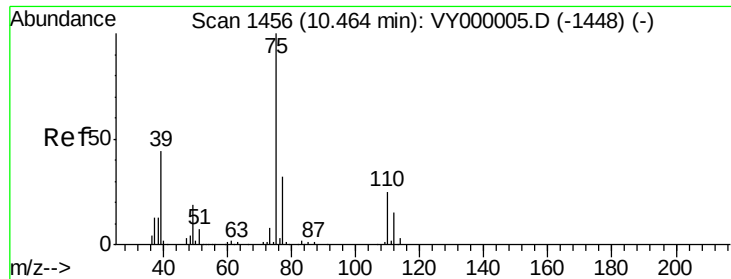
MMDadoda
9/13/2019 11:51:32 PM



#52
Toluene
Concen: 99.267 ug/l
RT: 10.24 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	92	Resp	443444
Ion Ratio	100	Lower	Upper
92	100		
91	172.4	136.5	204.7





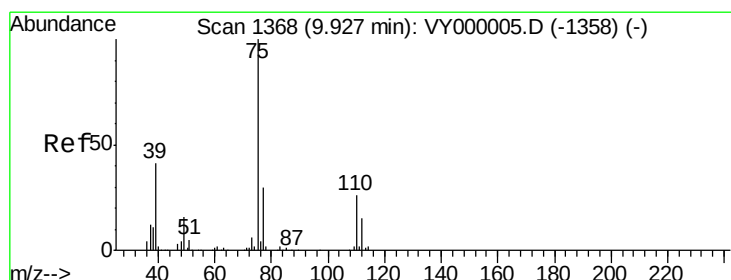
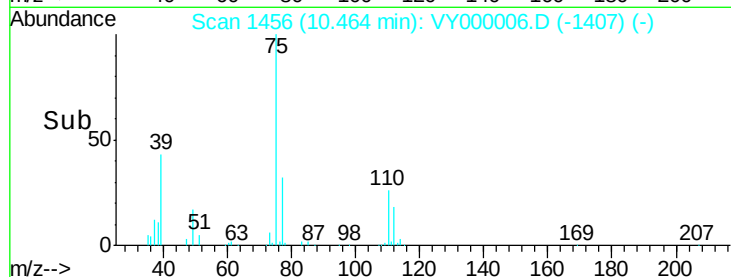
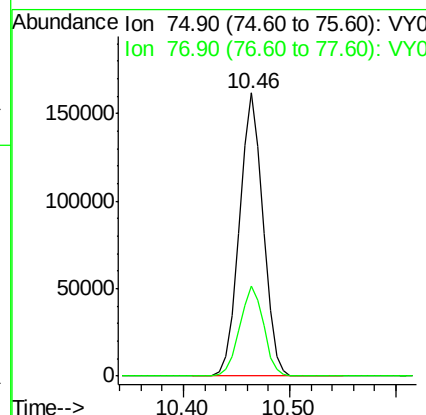
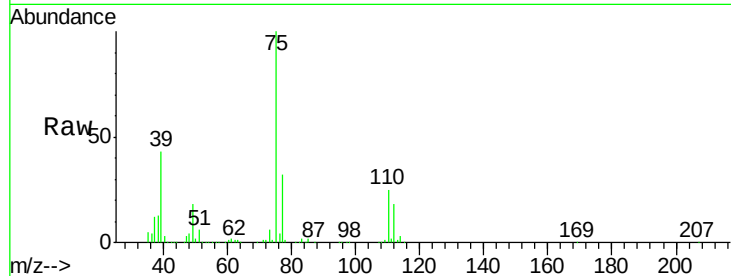
#53
t-1,3-Dichloropropene
Concen: 95.837 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.8

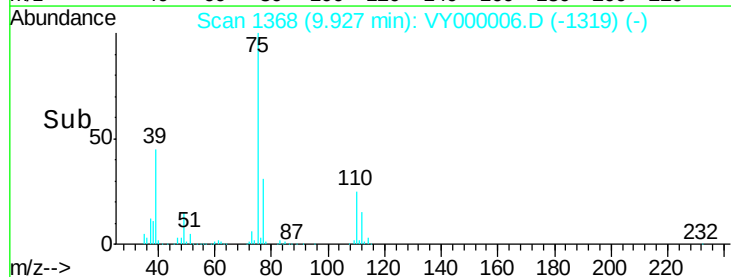
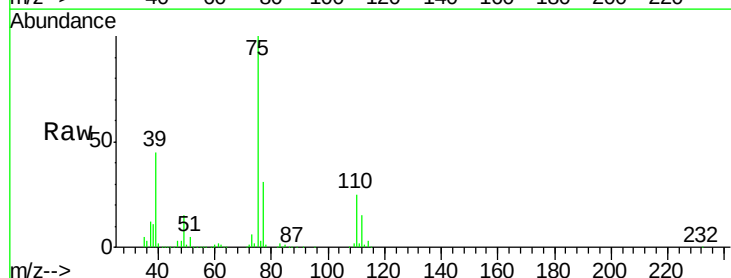
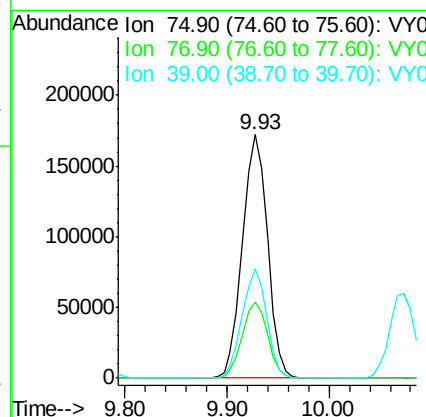
Manual Integrations
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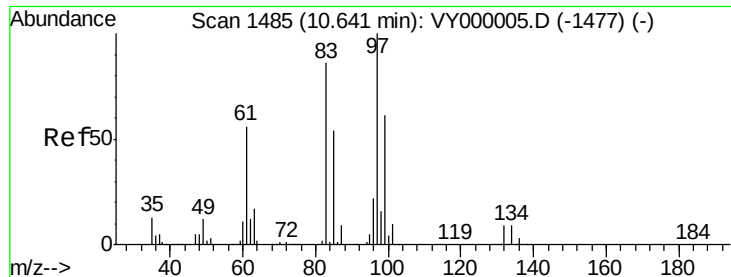
MMDadoda
9/13/2019 11:51:32 PM



#54
cis-1,3-Dichloropropene
Concen: 97.779 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.1	36.1
39	45.0	33.0	49.4





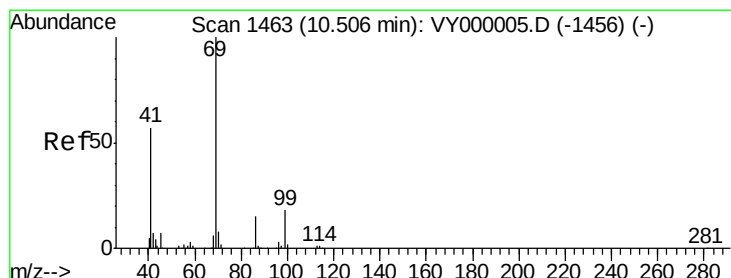
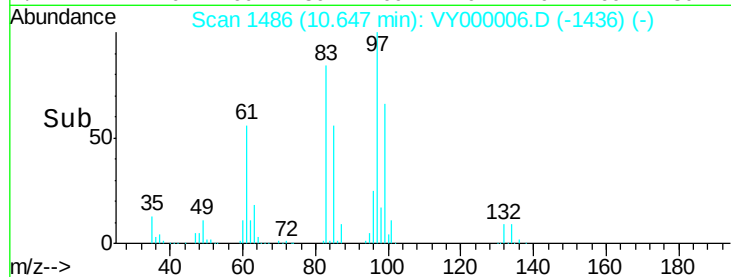
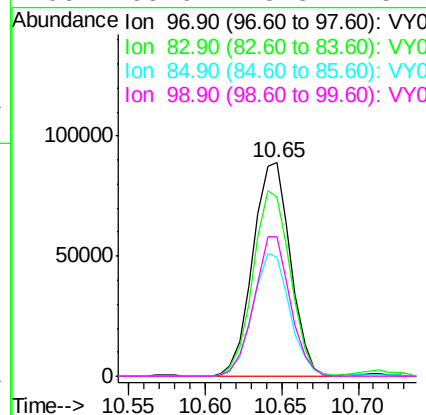
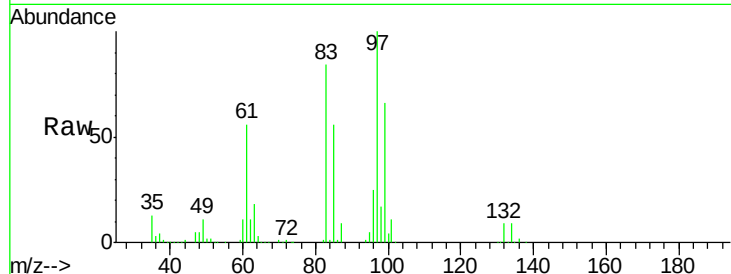
#55
 1,1,2-Trichloroethane
 Concen: 106.807 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	152541
Ion	Ratio	Lower	Upper
97	100		
83	84.1	68.4	102.6
85	56.1	43.0	64.6
99	65.6	48.8	73.2

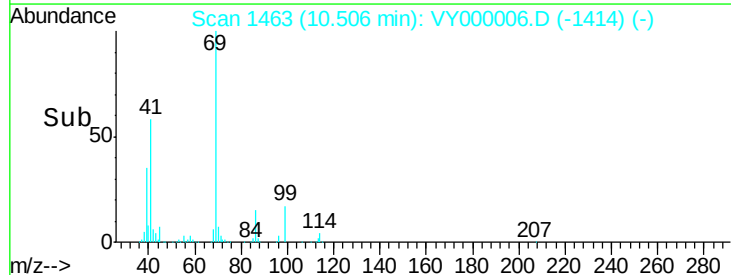
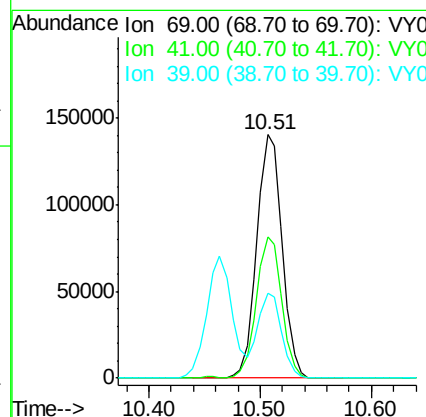
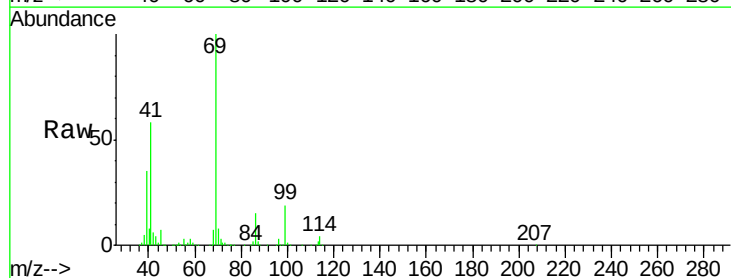
Manual Integrations
 APPROVED

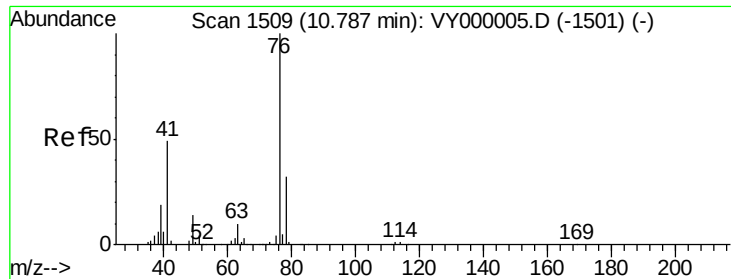
MMDadoda
 9/13/2019 11:51:32 PM



#56
 Ethyl methacrylate
 Concen: 107.161 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Tgt Ion:	69	Resp:	223234
Ion	Ratio	Lower	Upper
69	100		
41	57.7	46.3	69.5
39	33.0	25.8	38.6





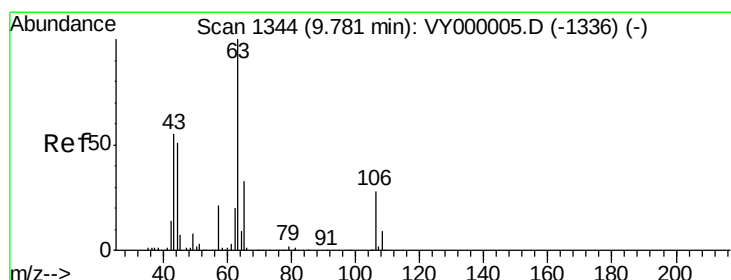
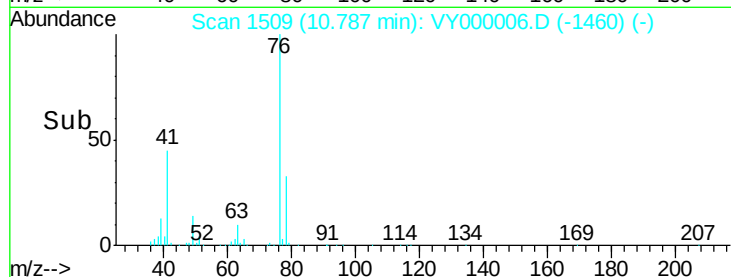
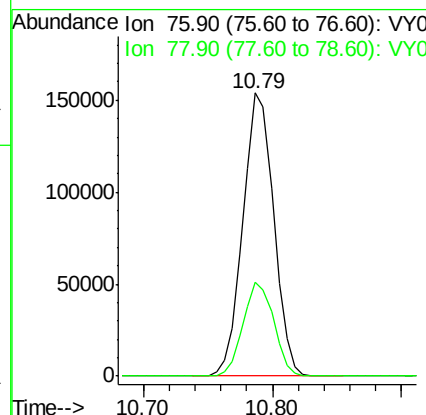
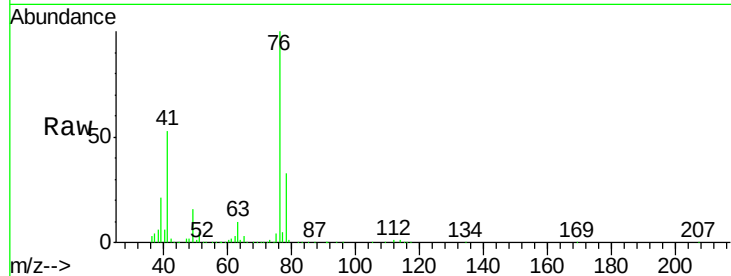
#57
 1,3-Dichloropropane
 Concen: 97.904 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 254717
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.1 39.1

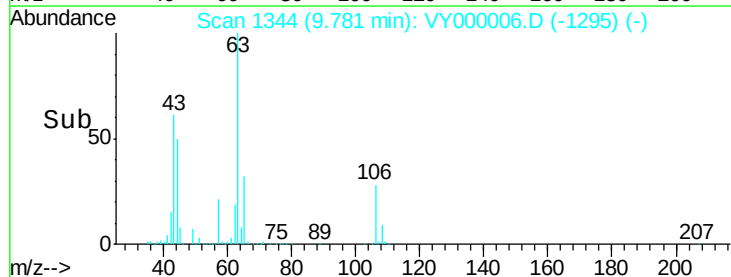
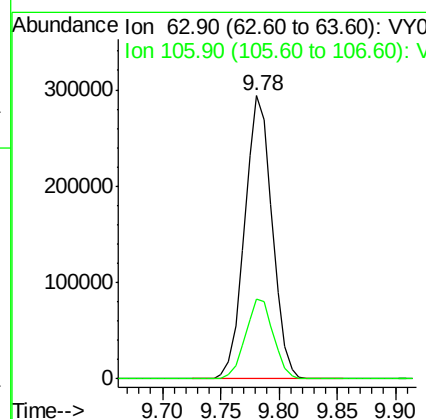
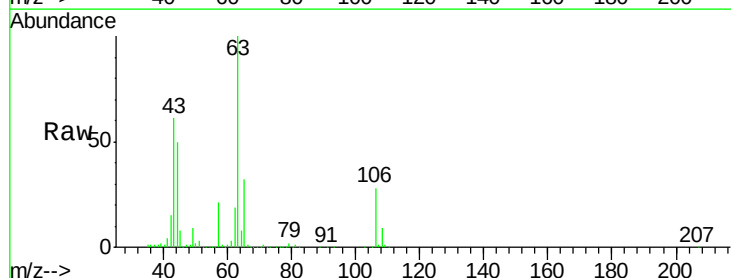
Manual Integrations
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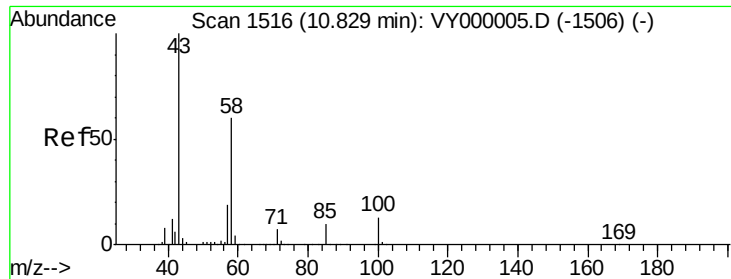
MMDadoda
 9/13/2019 11:51:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 434.117 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Tgt Ion: 63 Resp: 483955
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.3 34.9





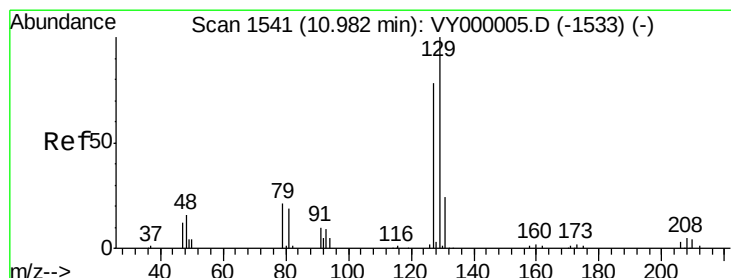
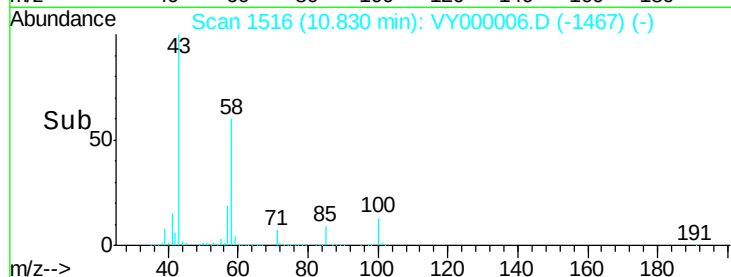
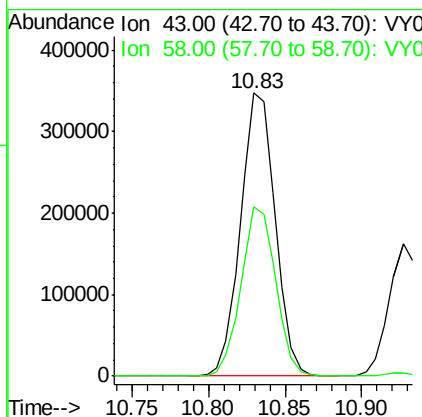
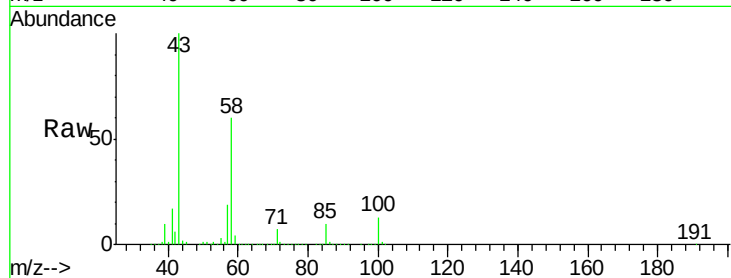
#59
2-Hexanone
Concen: 461.341 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.9	29.8	89.5

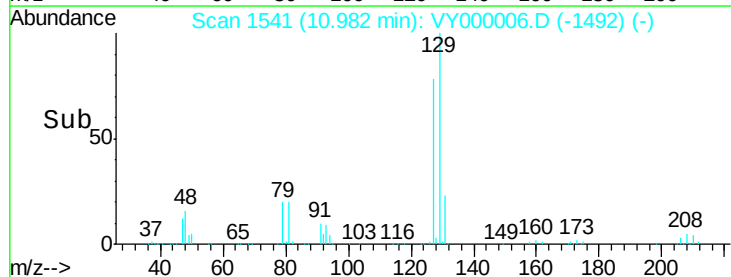
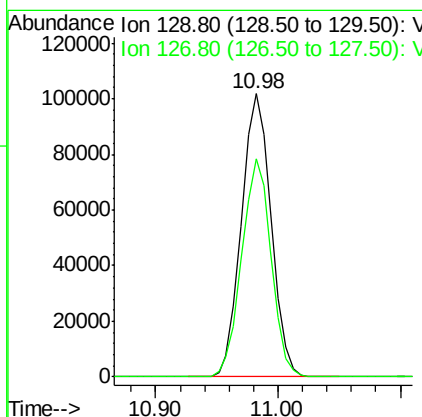
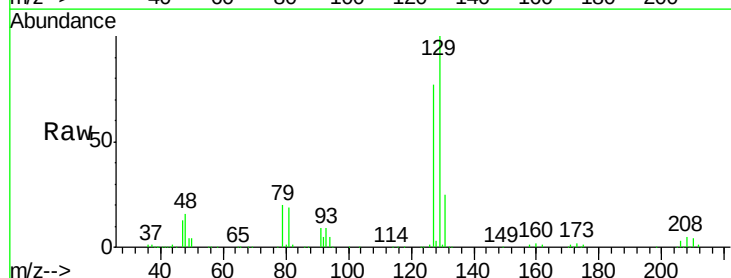
Manual Integrations
APPROVED

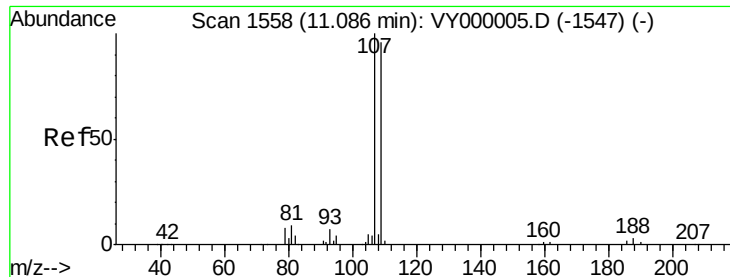
MMDadoda
9/13/2019 11:51:32 PM



#60
Dibromochloromethane
Concen: 103.470 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.2	117.6





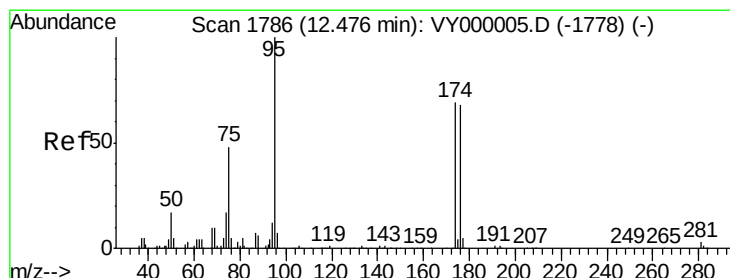
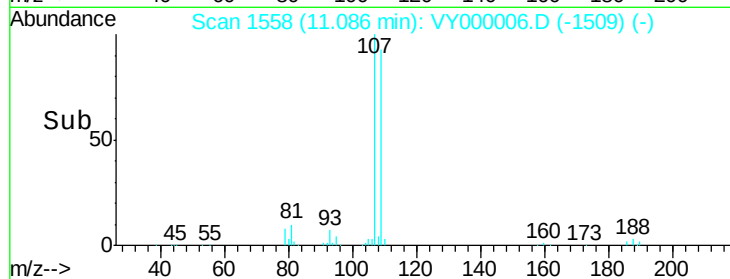
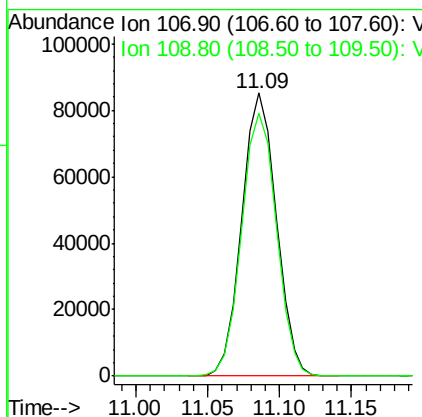
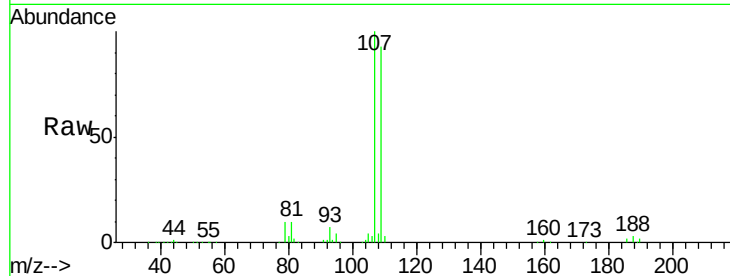
#61
 1,2-Dibromoethane
 Concen: 107.525 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	141237		
109	94.2	73.2	109.8	

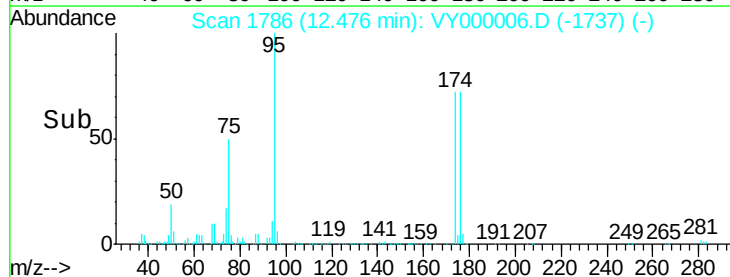
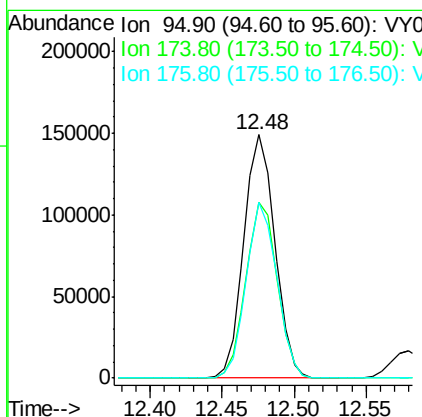
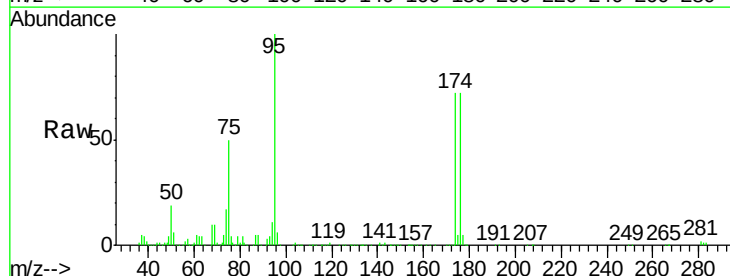
Manual Integrations
 APPROVED

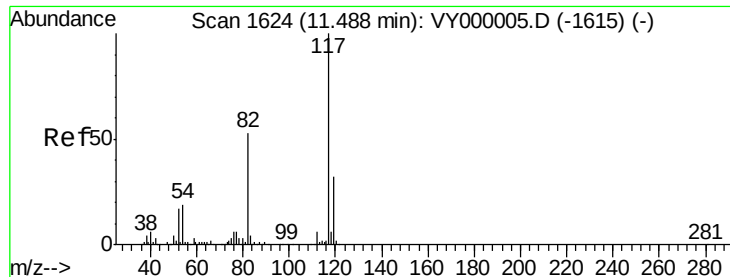
MMDadoda
 9/13/2019 11:51:32 PM



#62
 4-Bromofluorobenzene
 Concen: 89.392 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	223014		
174	72.7	0.0	145.8	
176	71.2	0.0	138.0	





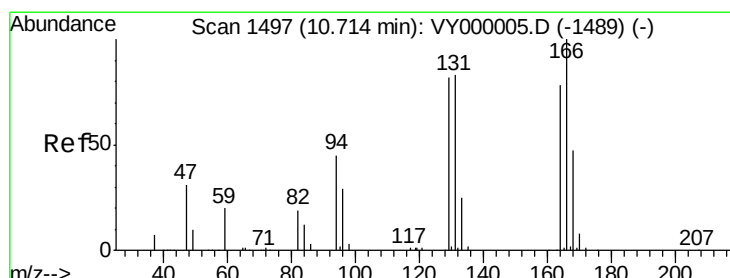
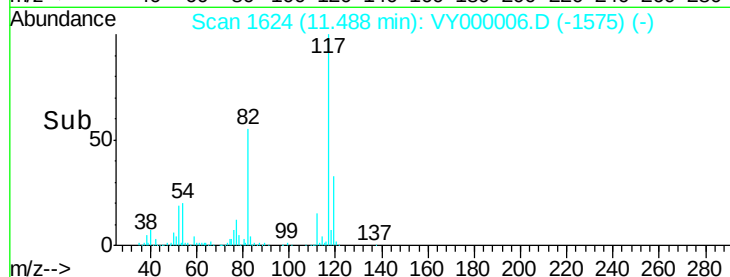
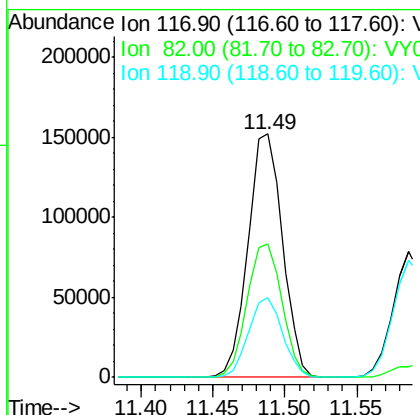
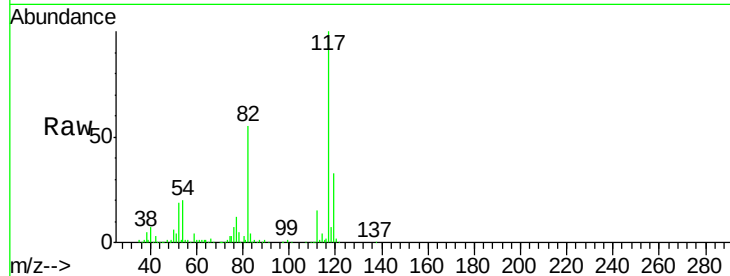
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	251420		
82	54.6		42.3	63.5
119	33.0		25.8	38.8

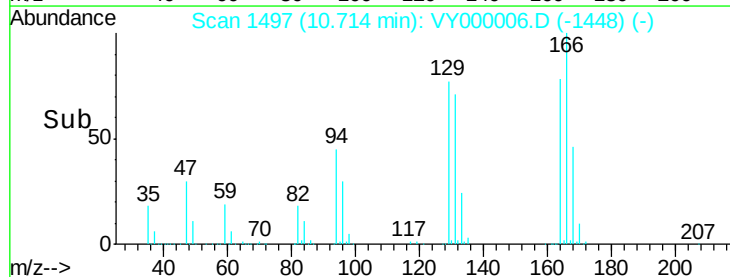
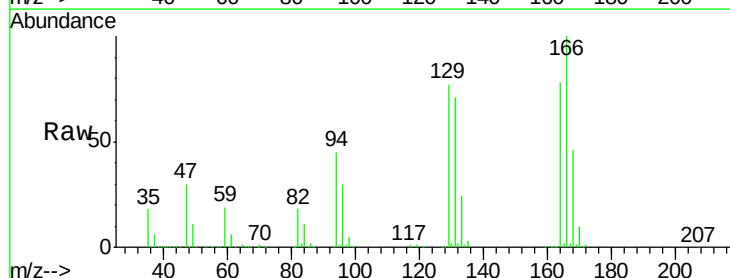
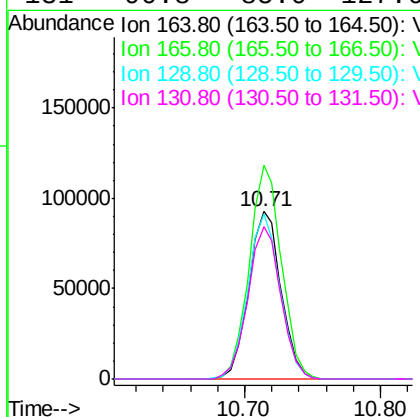
Manual Integrations
APPROVED

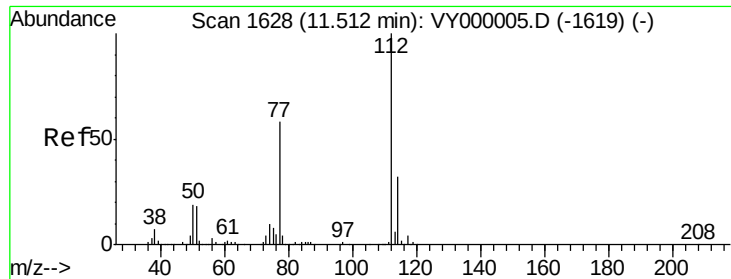
MMDadoda
9/13/2019 11:51:32 PM



#64
Tetrachloroethene
Concen: 102.787 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	154058		
166	127.6		102.5	153.7
129	98.7		83.8	125.8
131	90.8		85.0	127.6





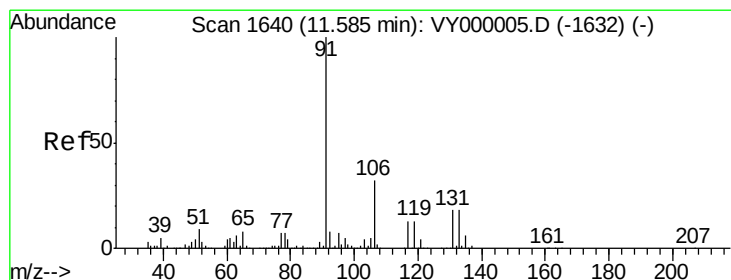
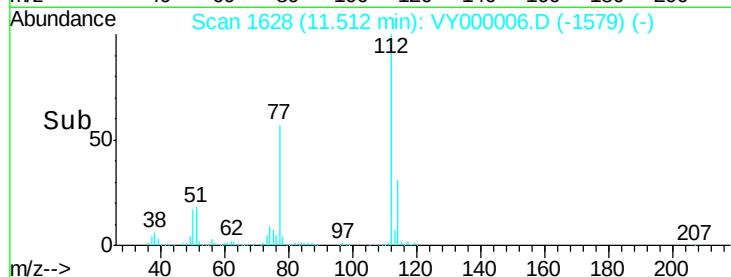
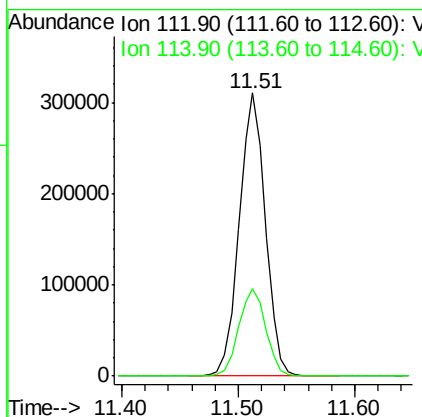
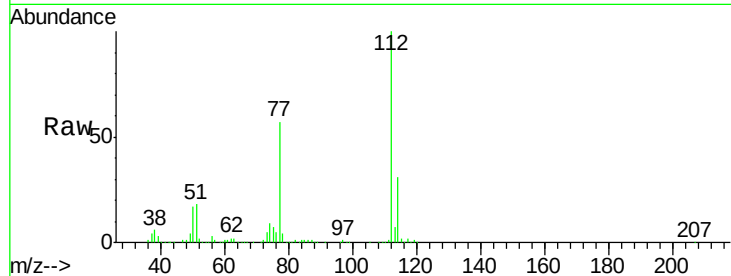
#65
Chlorobenzene
Concen: 103.388 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.4	38.2

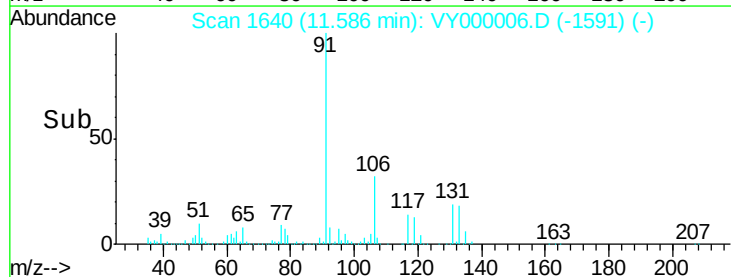
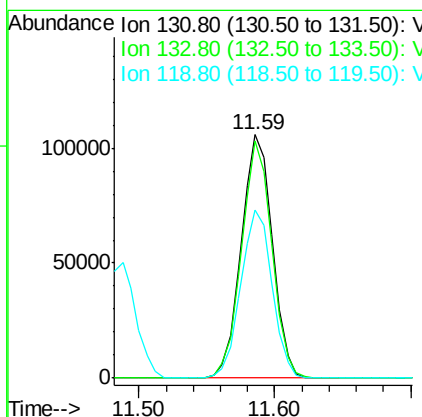
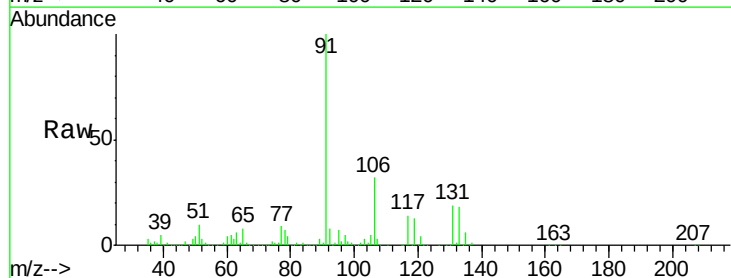
Manual Integrations
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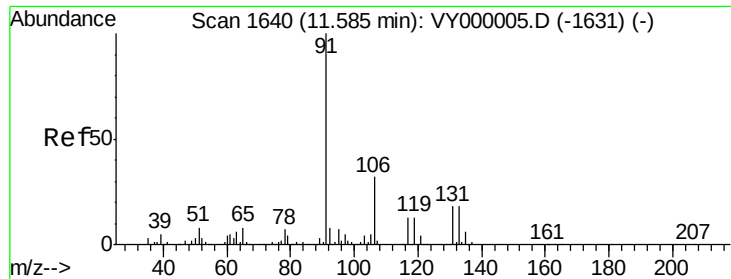
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 98.777 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.7	146.1
119	69.6	35.8	107.3





#67

Ethyl Benzene

Concen: 100.838 ug/l

RT: 11.59 min Scan# 1640

Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 878933

Ion Ratio Lower Upper

91 100

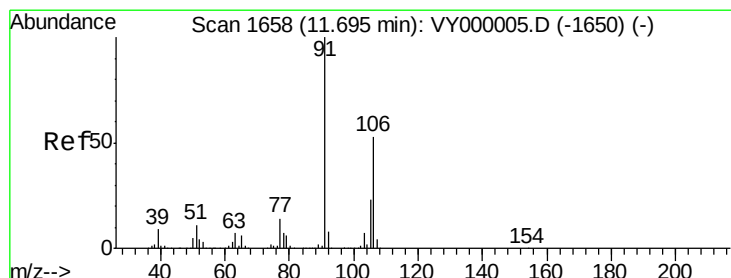
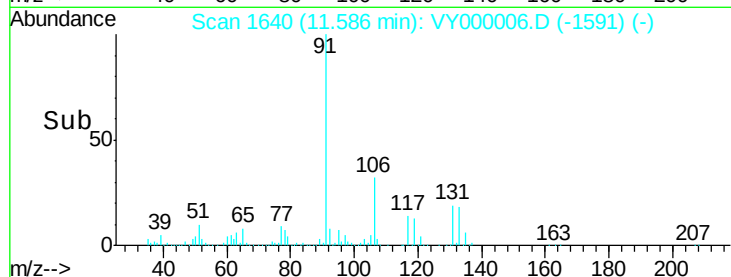
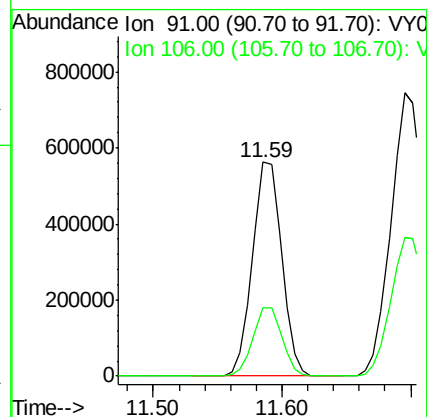
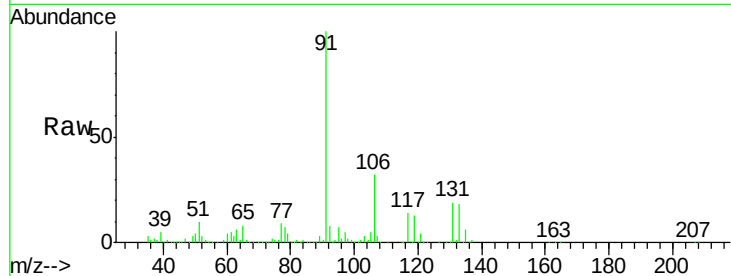
106 31.9 25.4 38.2

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 210.597 ug/l

RT: 11.70 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VY000006.D

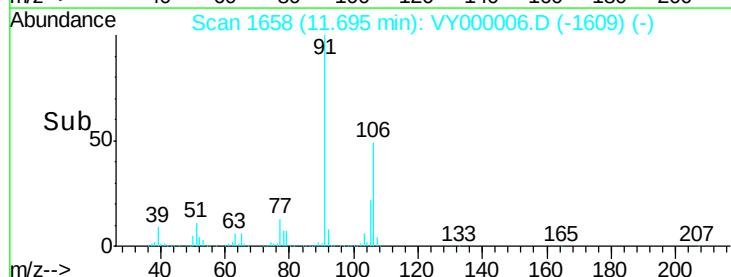
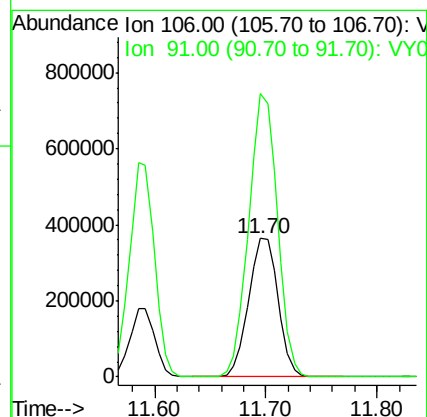
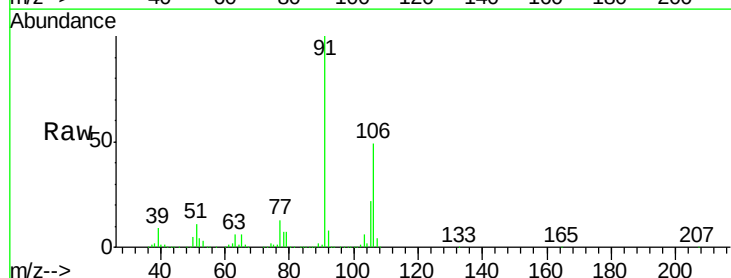
Acq: 11 Sep 2019 18:02

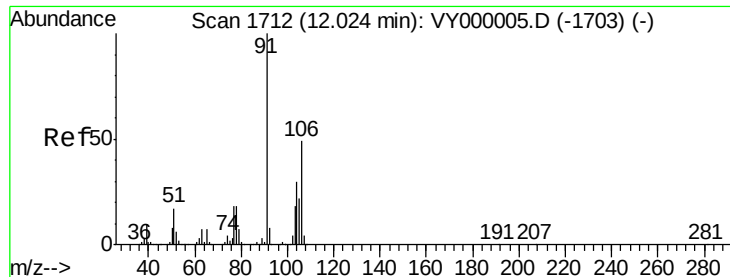
Tgt Ion: 106 Resp: 672692

Ion Ratio Lower Upper

106 100

91 198.6 157.1 235.7





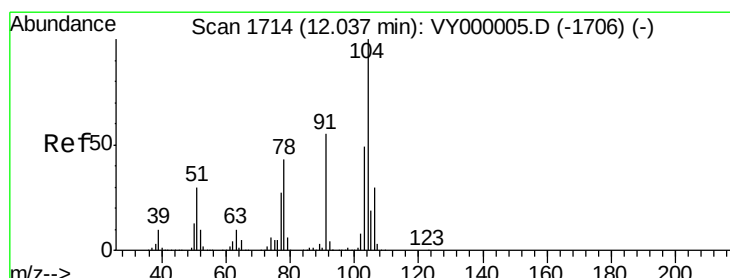
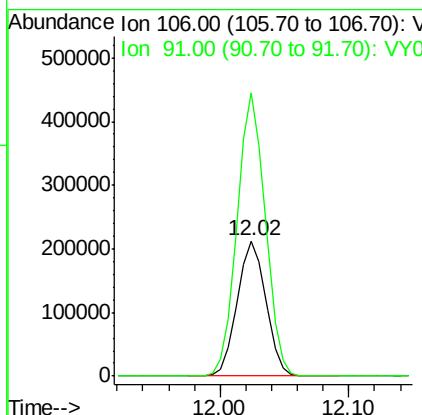
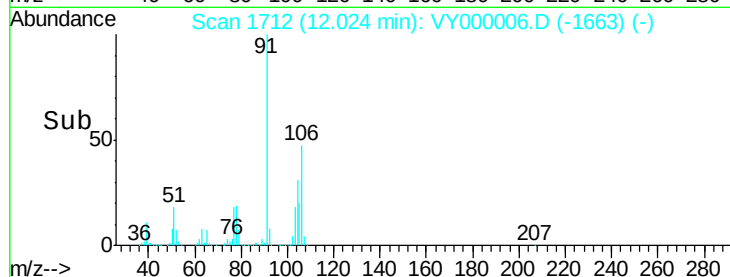
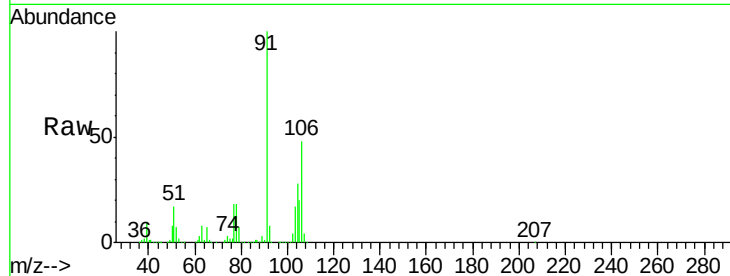
#69
o-Xylene
Concen: 108.753 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	205.8	100.6	327282	301.8	

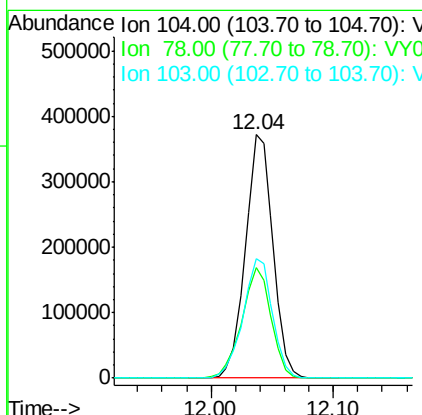
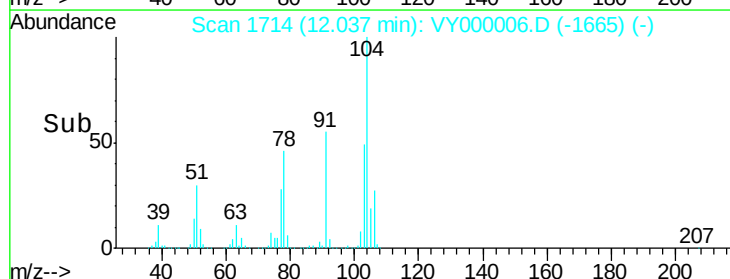
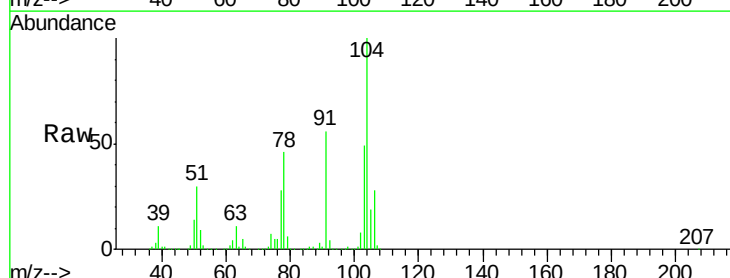
Manual Integrations
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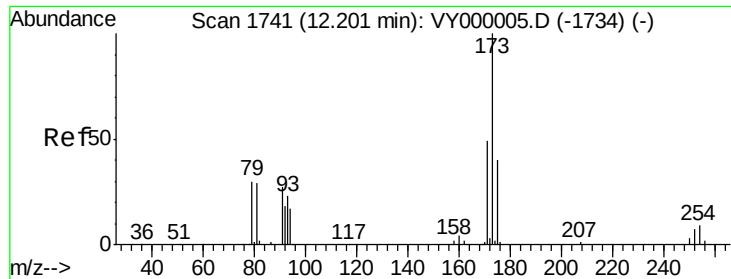
MMDadoda
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#70
Styrene
Concen: 109.589 ug/l
RT: 12.04 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.2	37.6	579979	56.4	
103	52.6	42.6		63.8	





#71

Bromoform

Concen: 107.877 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 104126

Ion Ratio Lower Upper

173 100

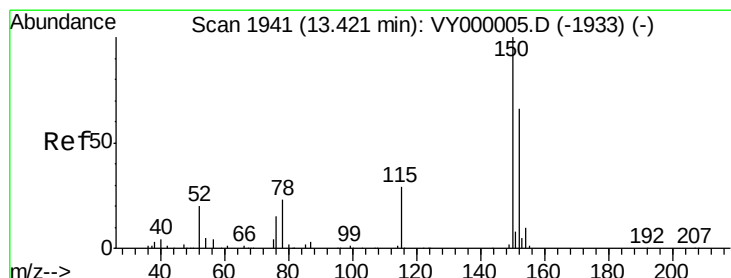
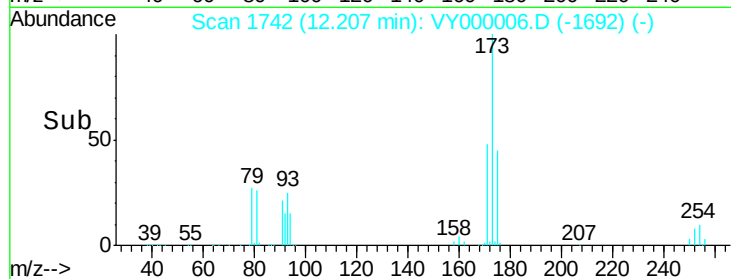
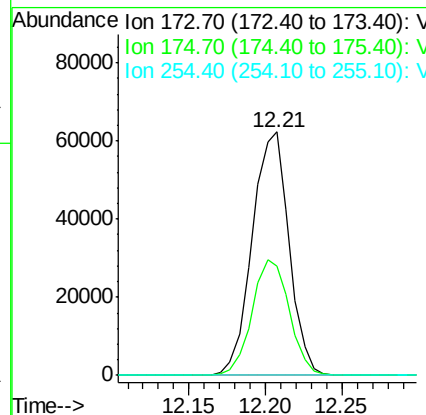
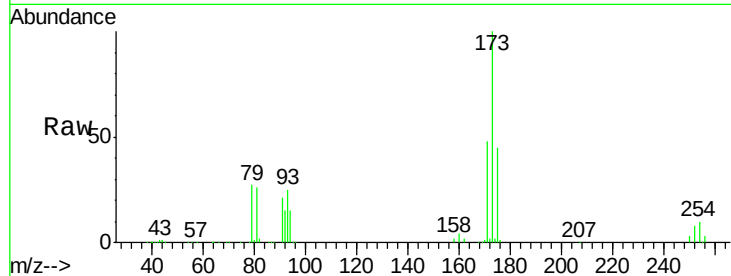
175 48.0 23.8 71.5

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: VY000006.D

Acq: 11 Sep 2019 18:02

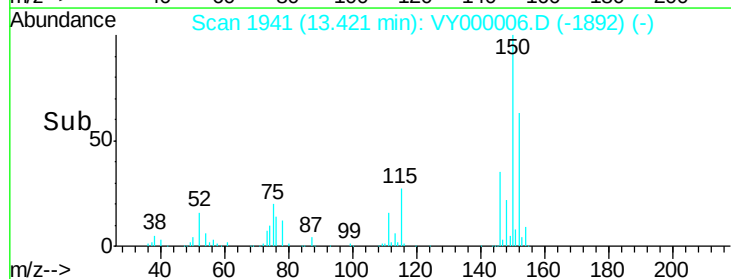
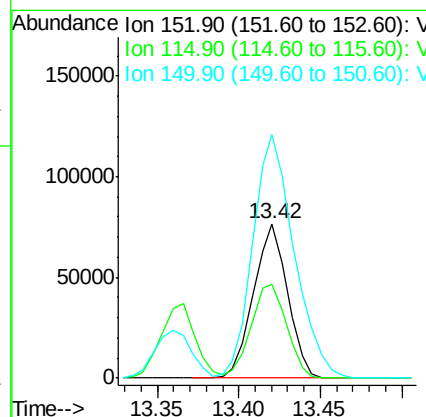
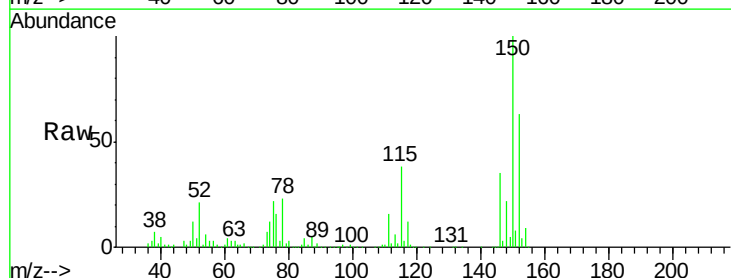
Tgt Ion:152 Resp: 111897

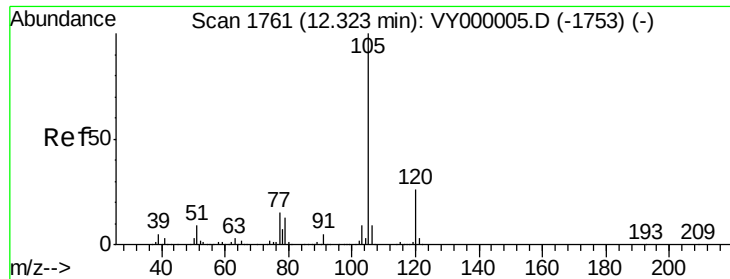
Ion Ratio Lower Upper

152 100

115 63.3 30.3 91.0

150 190.8 0.0 347.4





#73

Isopropylbenzene

Concen: 110.285 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 878918

Ion Ratio Lower Upper

105 100

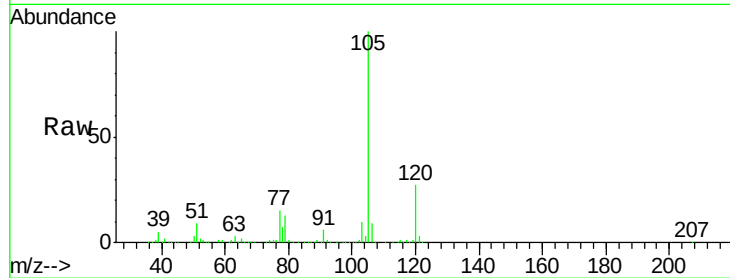
120 27.5 13.5 40.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.32

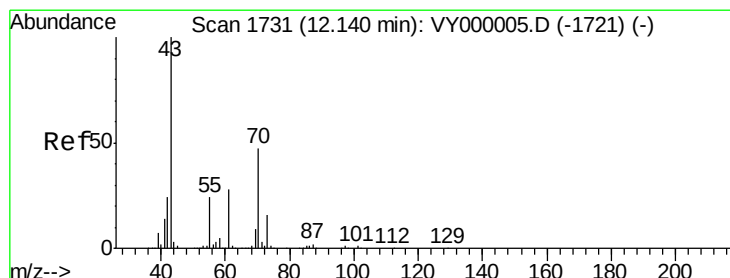
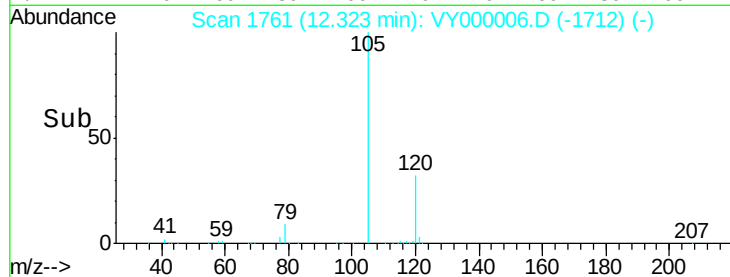
600000

400000

200000

0

Time--> 12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 102.629 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Tgt Ion: 43 Resp: 254404

Ion Ratio Lower Upper

43 100

70 46.7 38.1 57.1

55 23.2 19.9 29.9

61 26.2 22.0 33.0

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

250000

200000

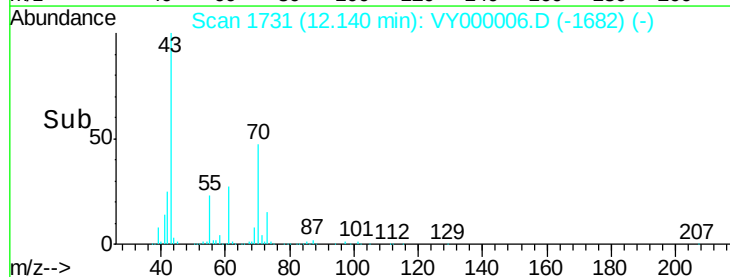
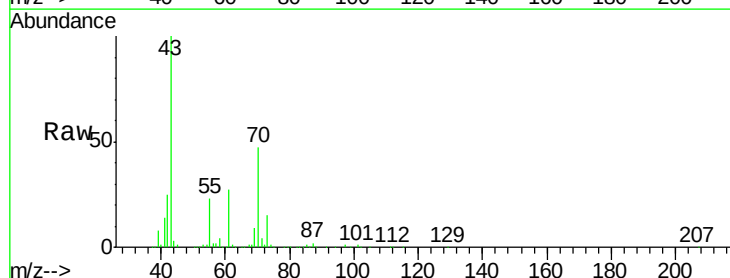
150000

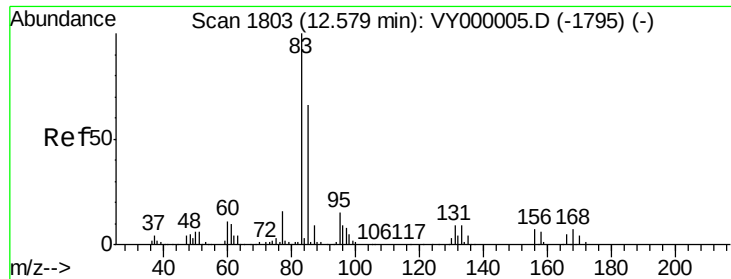
100000

50000

0

Time--> 12.05 12.10 12.15 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 119.023 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 196820

Ion Ratio Lower Upper

83 100

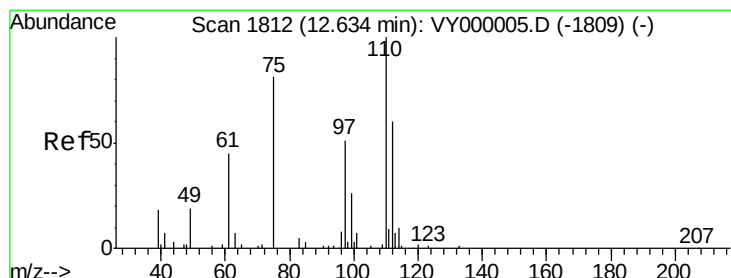
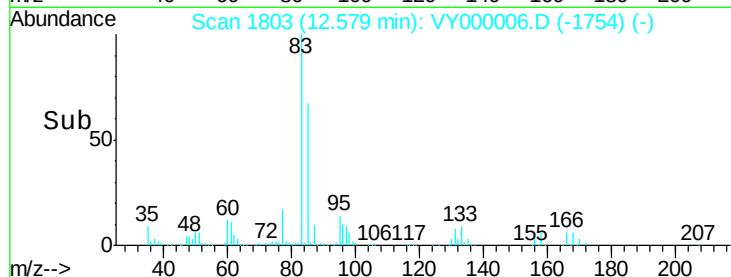
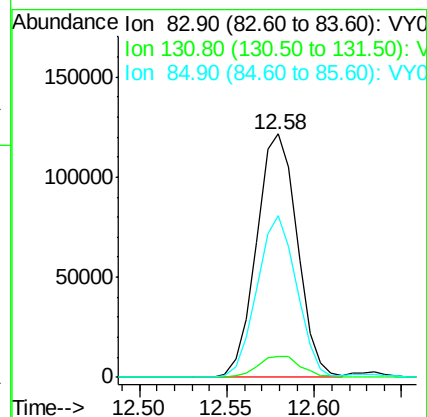
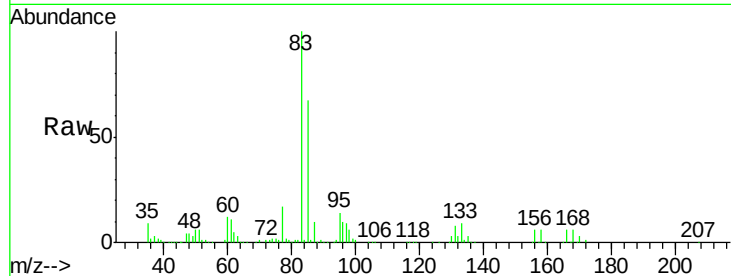
131 9.4 5.0 14.9

85 64.8 32.1 96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 113.988 ug/l m

RT: 12.63 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VY000006.D

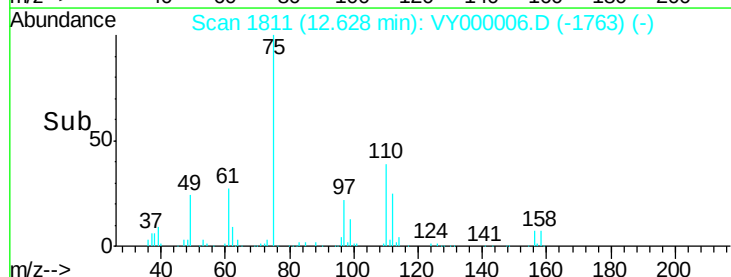
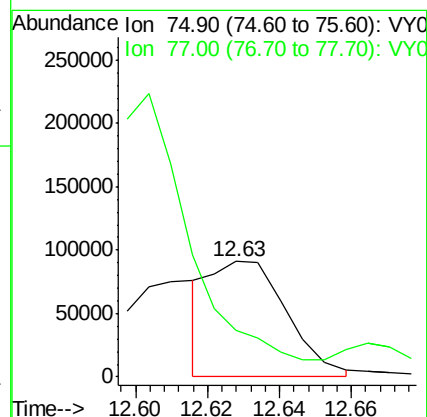
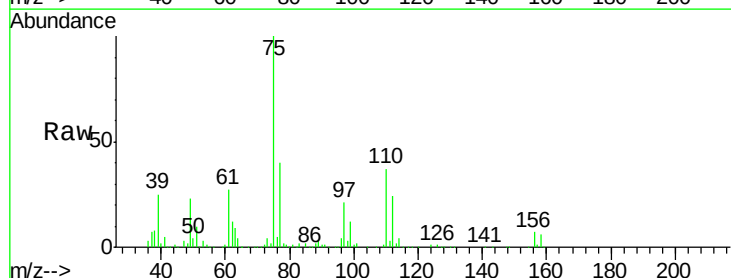
Acq: 11 Sep 2019 18:02

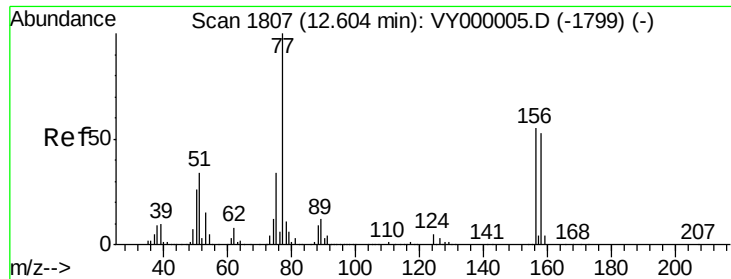
Tgt Ion: 75 Resp: 134694

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





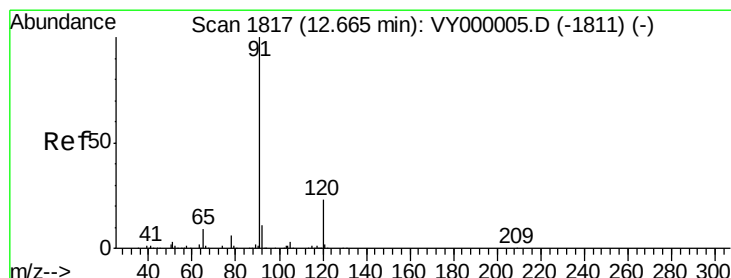
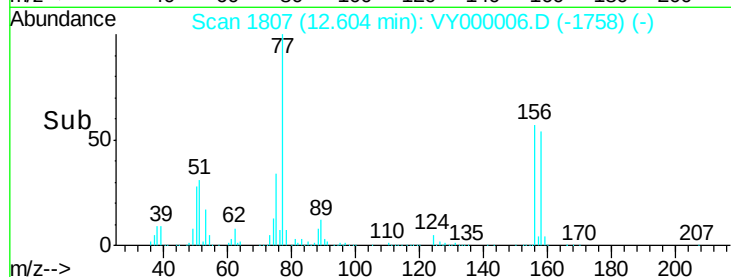
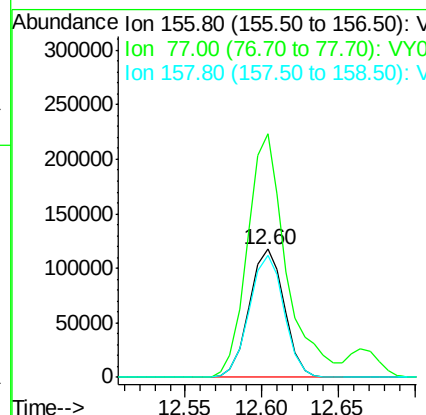
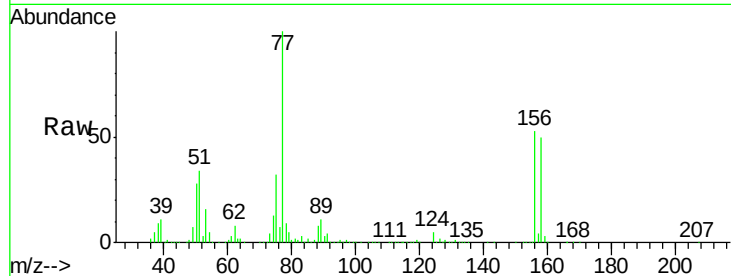
#77
Bromobenzene
Concen: 103.962 ug/l
RT: 12.60 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	212.4	106.5	319.6
158	94.1	48.2	144.6

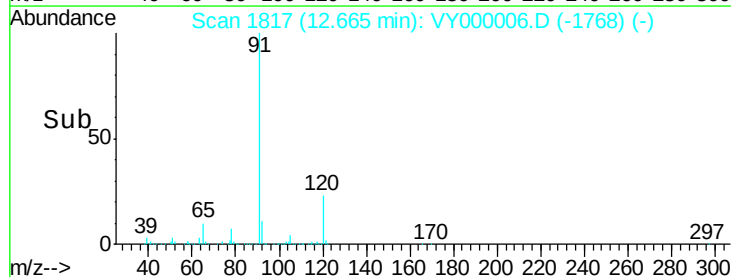
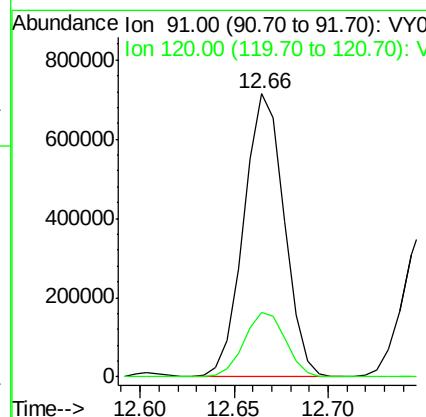
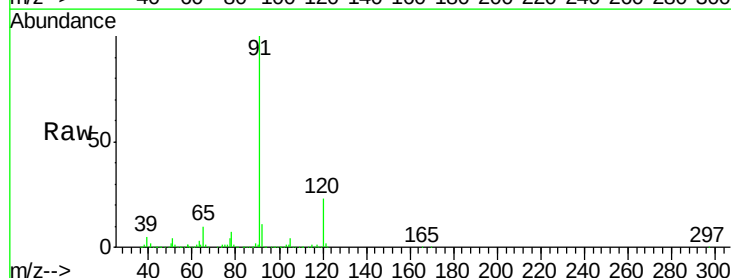
Manual Integrations
APPROVED

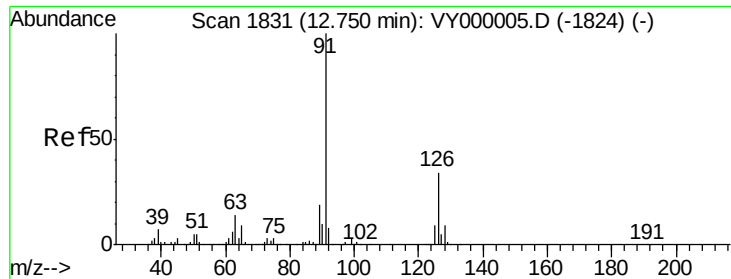
MMDadoda
9/13/2019 11:51:32 PM



#78
n-propylbenzene
Concen: 110.948 ug/l
RT: 12.66 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.3	33.9





#79

2-Chlorotoluene

Concen: 107.255 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 587027

Ion Ratio Lower Upper

91 100

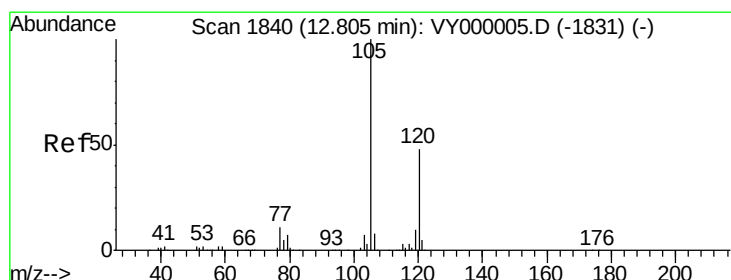
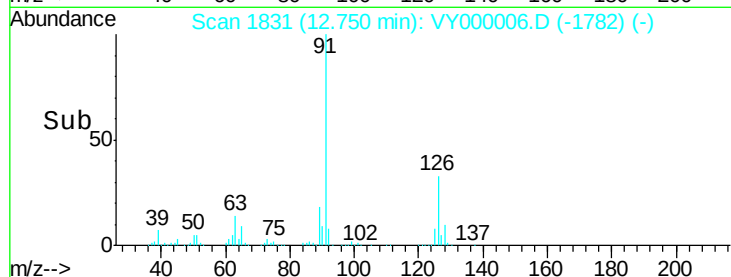
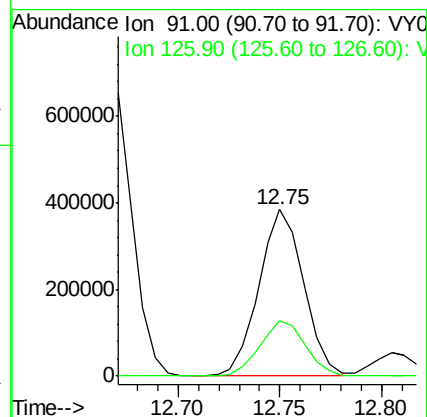
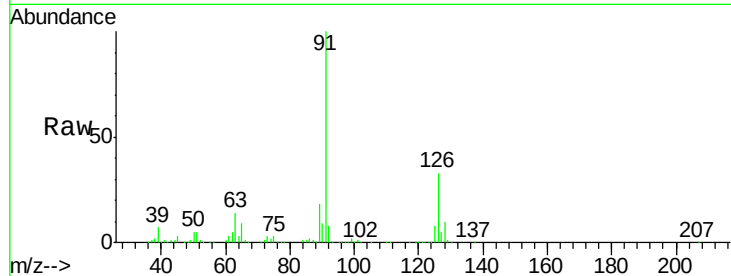
126 34.2 17.2 51.6

Manual Integrations

APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 107.666 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VY000006.D

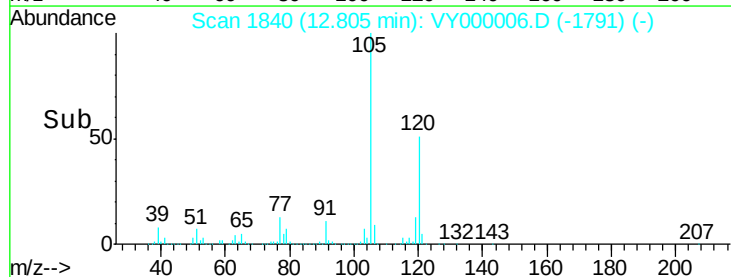
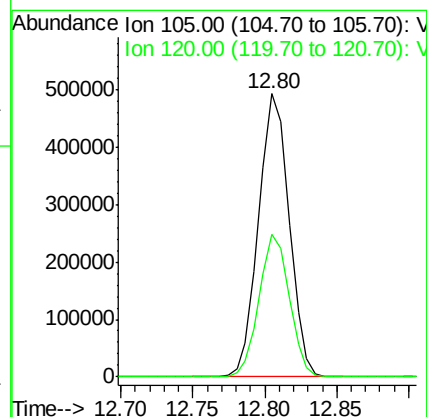
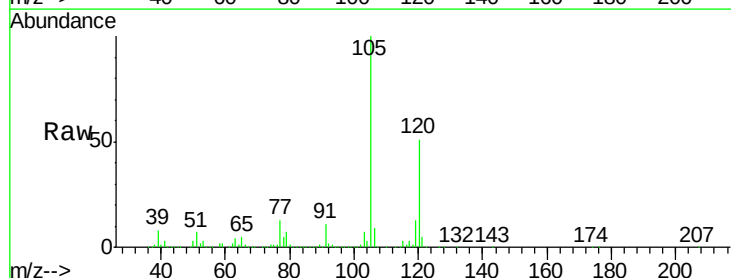
Acq: 11 Sep 2019 18:02

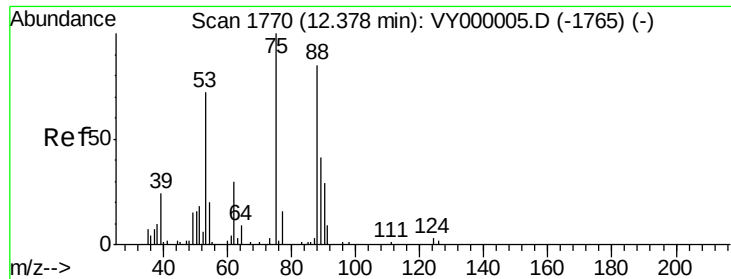
Tgt Ion: 105 Resp: 721749

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 136.127 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

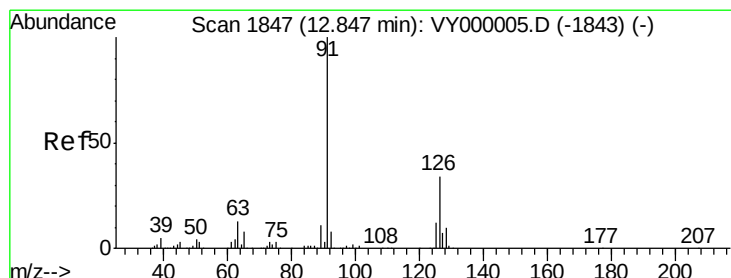
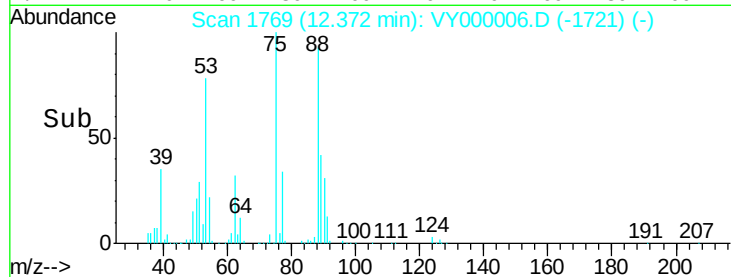
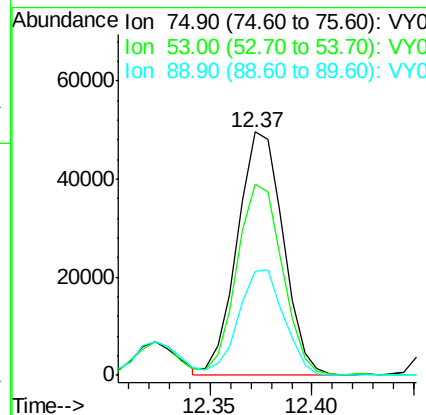
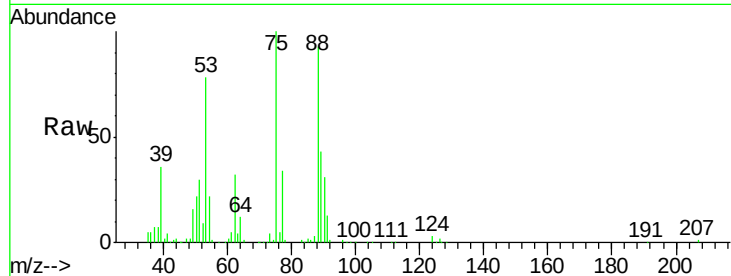
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	77530
Ion	Ratio	Lower	Upper
75	100		
53	78.0	63.0	94.6
89	42.6	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 107.734 ug/l

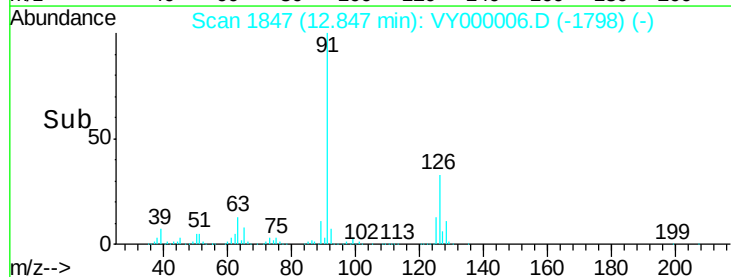
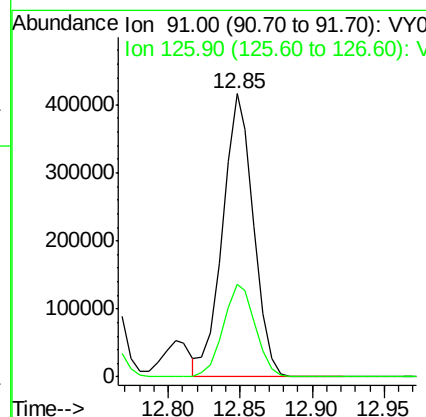
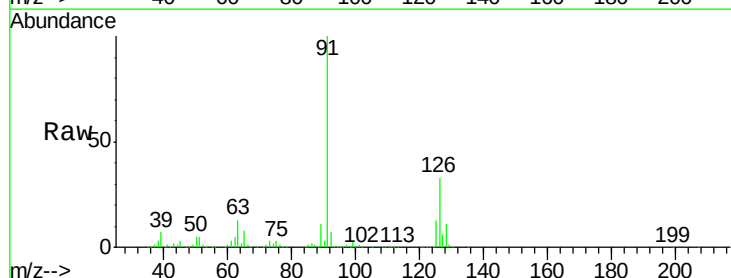
RT: 12.85 min Scan# 1847

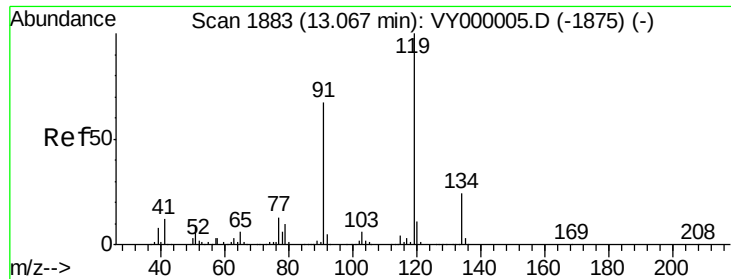
Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Tgt Ion:	91	Resp:	623709
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9





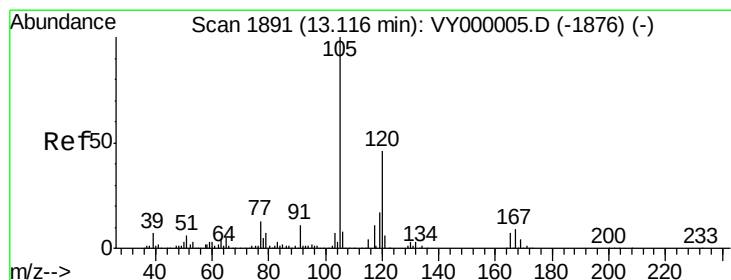
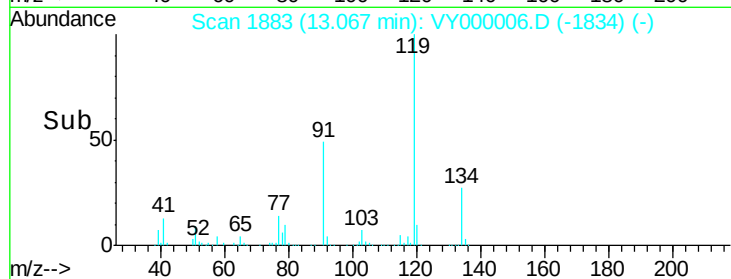
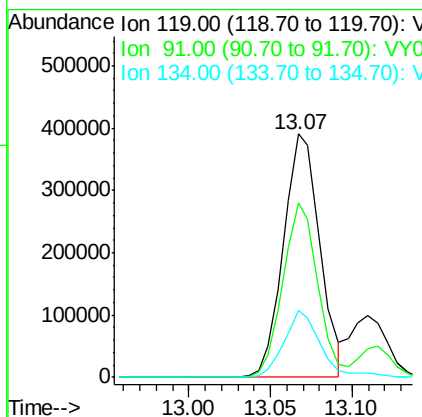
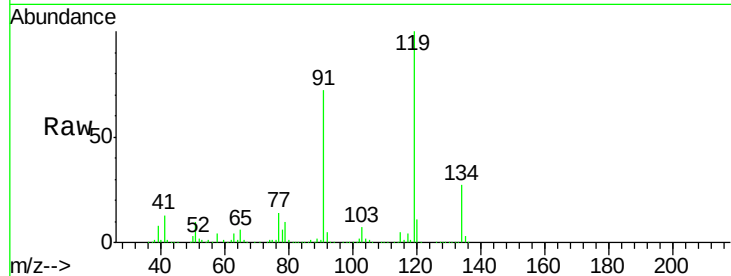
#83
 tert-Butylbenzene
 Concen: 102.831 ug/l
 RT: 13.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	606243		
91	69.2	33.6	100.8	
134	27.4	13.7	41.0	

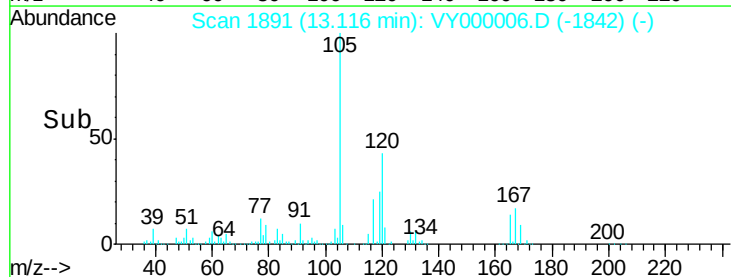
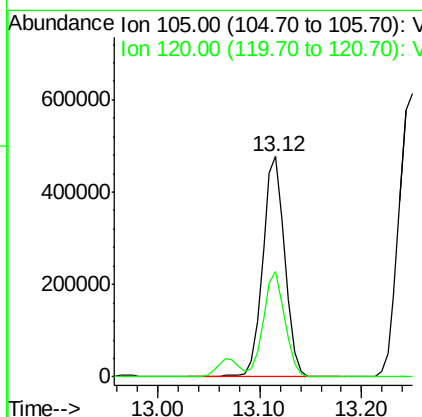
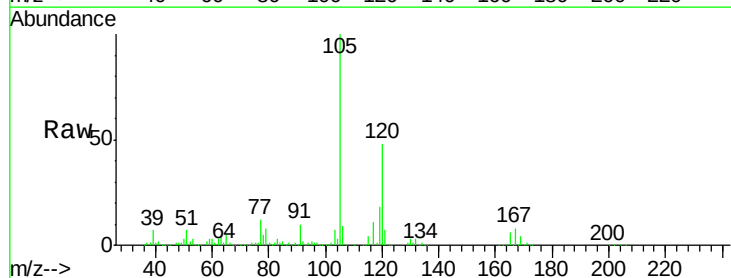
Manual Integrations
 APPROVED

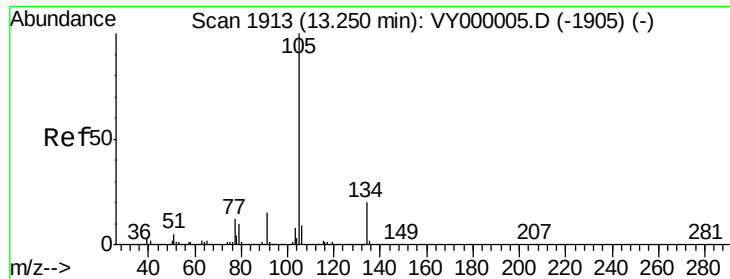
MMDadoda
 9/13/2019 11:51:32 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 105.484 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	715097		
120	46.7	22.8	68.3	





#85

sec-Butylbenzene

Concen: 110.419 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 913444

Ion Ratio Lower Upper

105 100

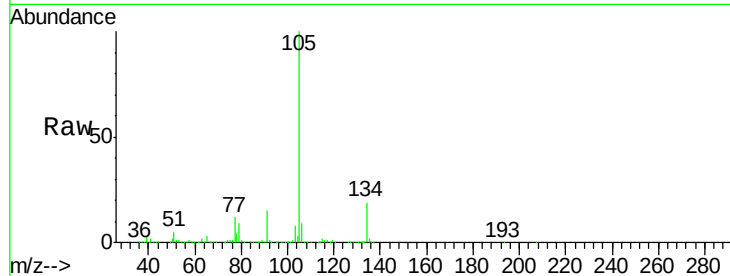
134 19.6 9.9 29.7

Manual Integrations

APPROVED

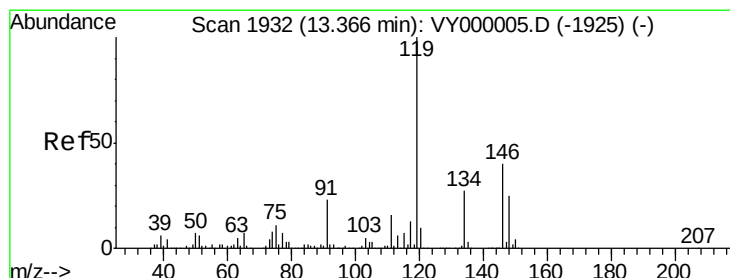
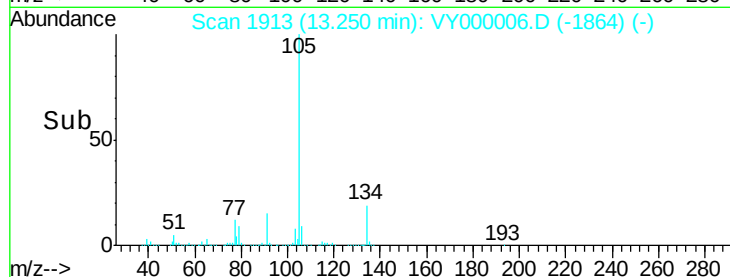
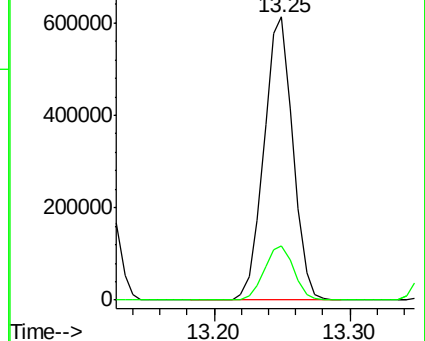
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 104.320 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VY000006.D

Acq: 11 Sep 2019 18:02

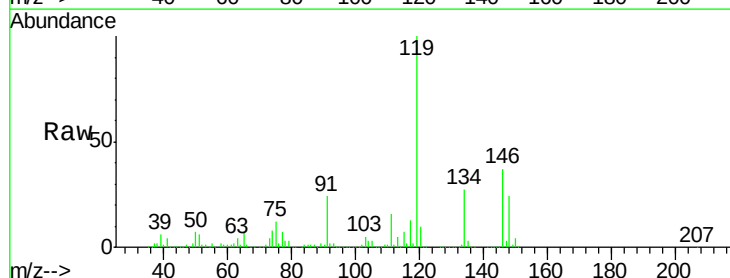
Tgt Ion:119 Resp: 777910

Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.1

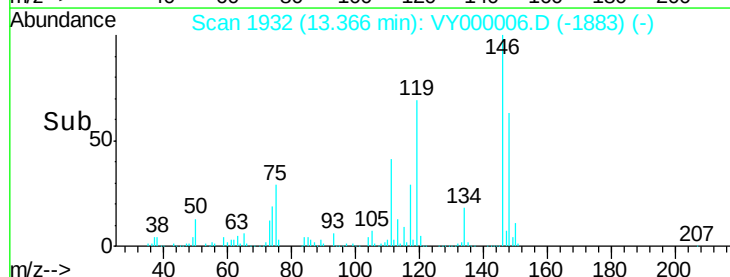
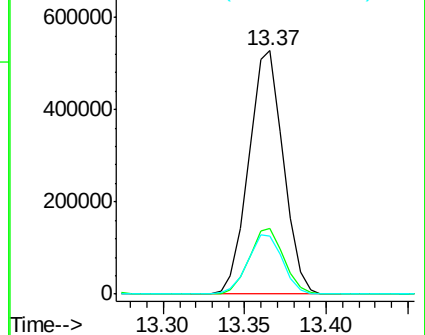
91 24.5 12.2 36.6

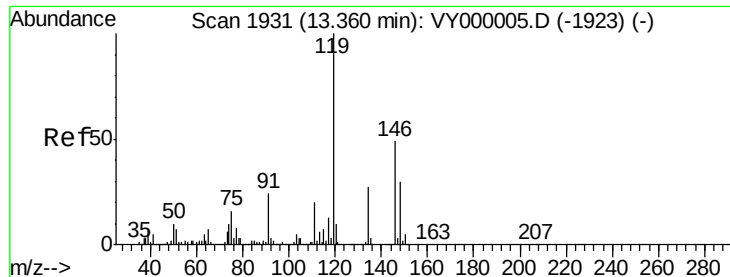


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





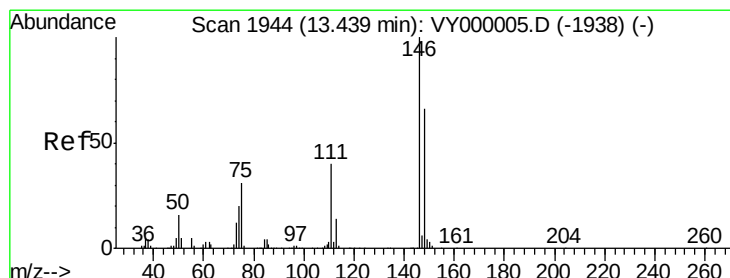
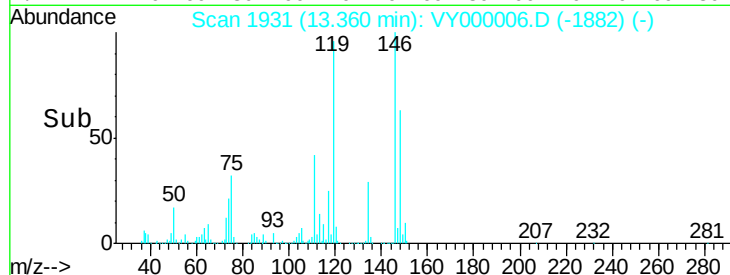
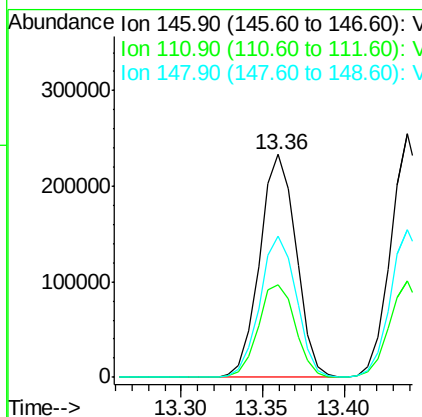
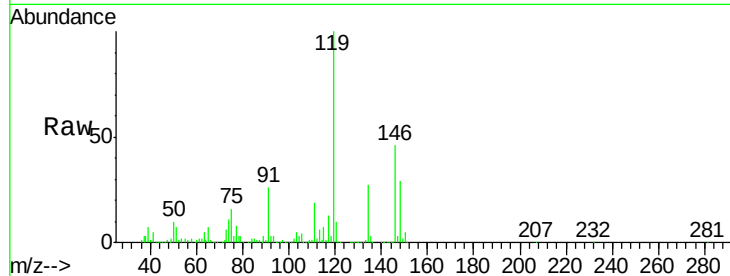
#87
 1,3-Dichlorobenzene
 Concen: 102.221 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.6	61.9
148	63.5	31.3	93.9

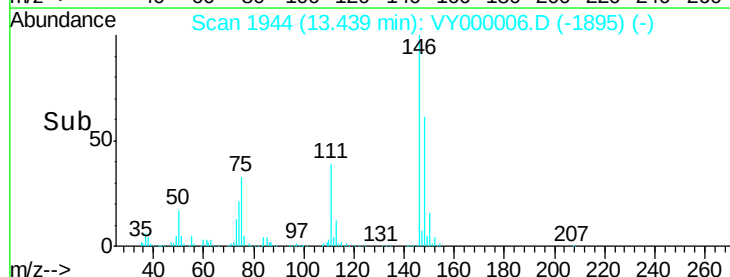
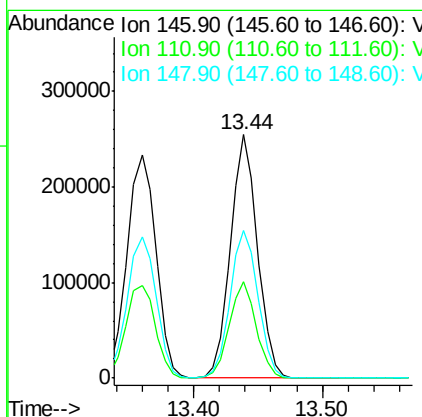
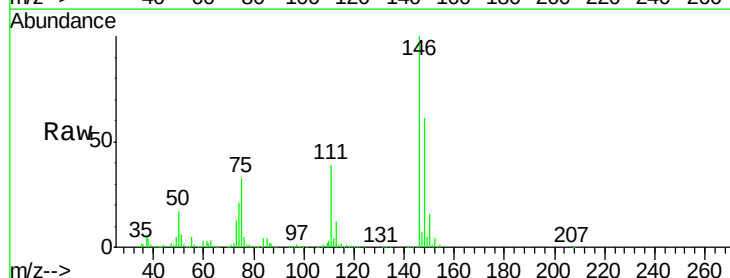
Manual Integrations
 APPROVED

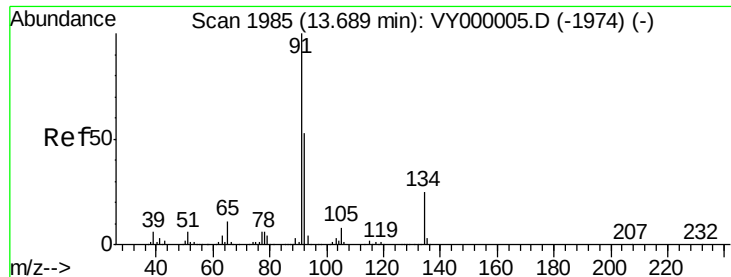
MMDadoda
 9/13/2019 11:51:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 105.977 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.3	60.9
148	62.6	31.9	95.7





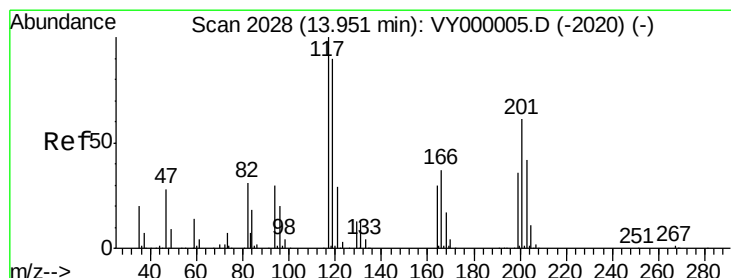
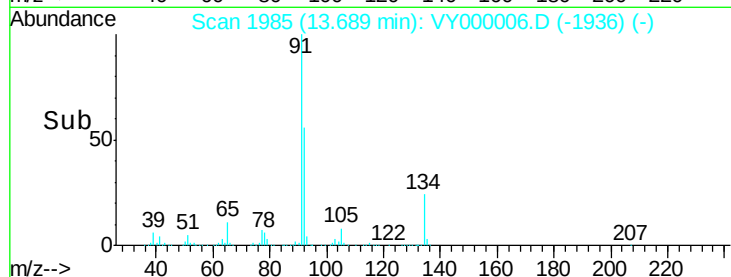
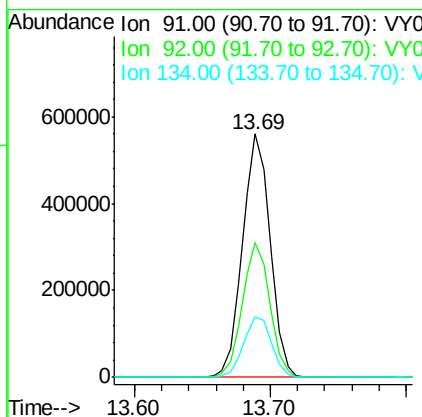
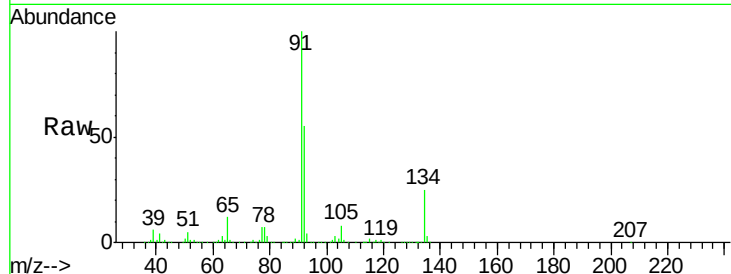
#89
n-Butylbenzene
Concen: 108.760 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.0	80.8
134	25.3	12.7	38.0

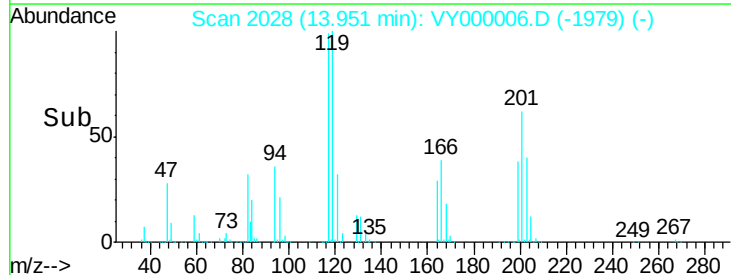
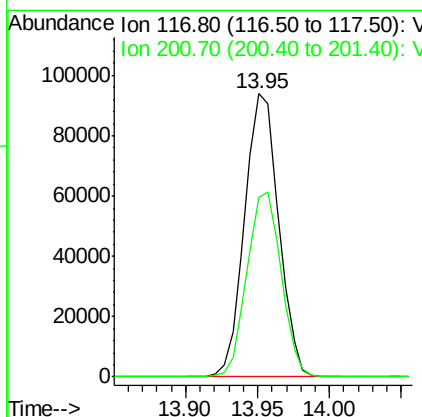
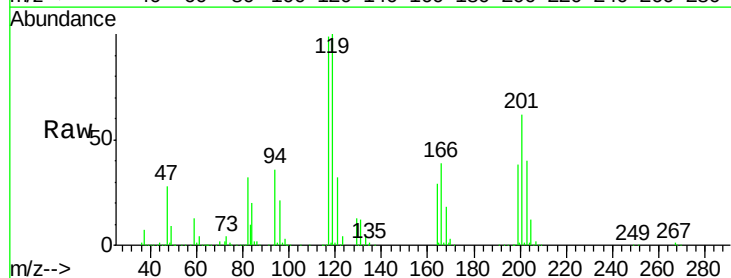
Manual Integrations
APPROVED

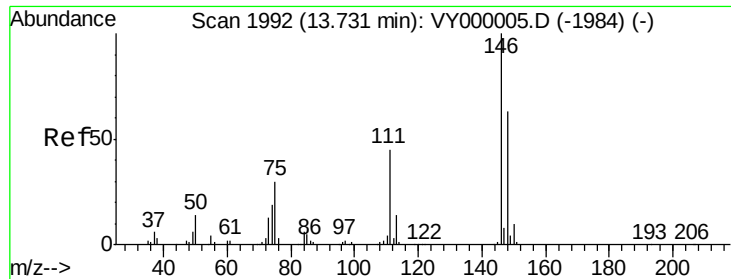
MMDadoda
9/13/2019 11:51:32 PM



#90
Hexachloroethane
Concen: 115.235 ug/l
RT: 13.95 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.5	32.3	96.8





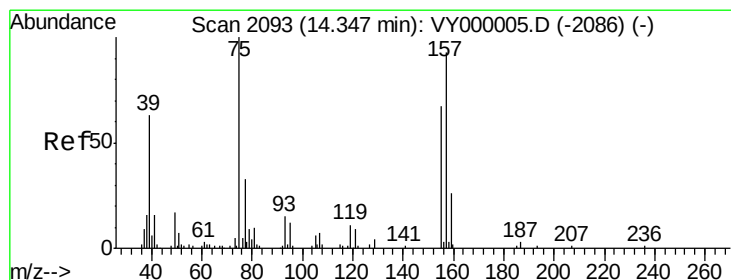
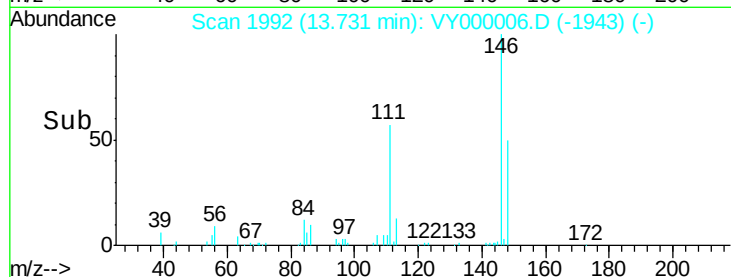
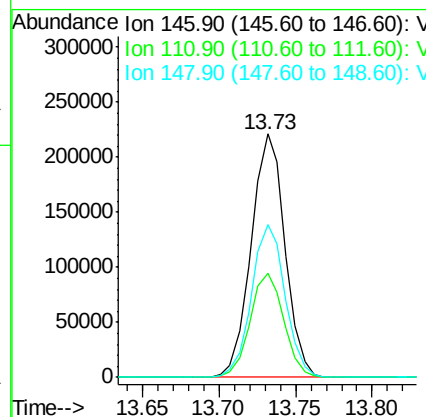
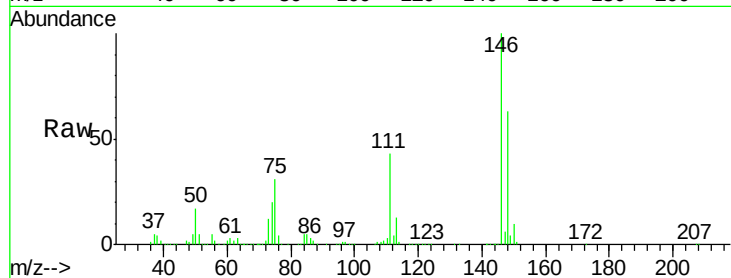
#91
 1,2-Dichlorobenzene
 Concen: 106.036 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	339533		
111	42.2	21.9	65.5	
148	62.1	31.9	95.5	

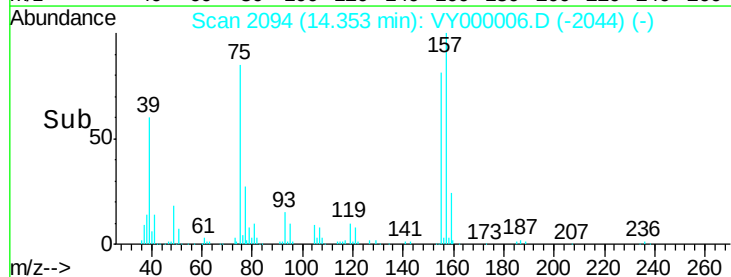
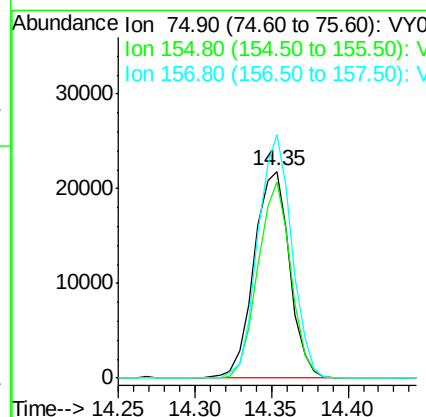
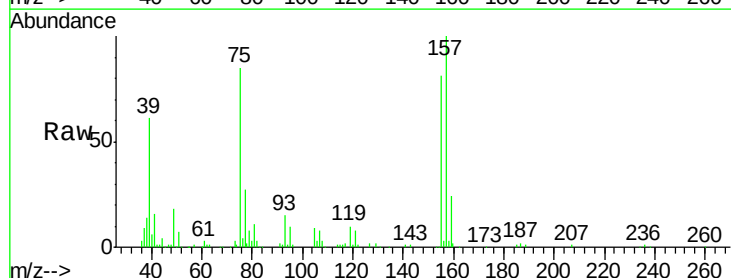
Manual Integrations
 APPROVED

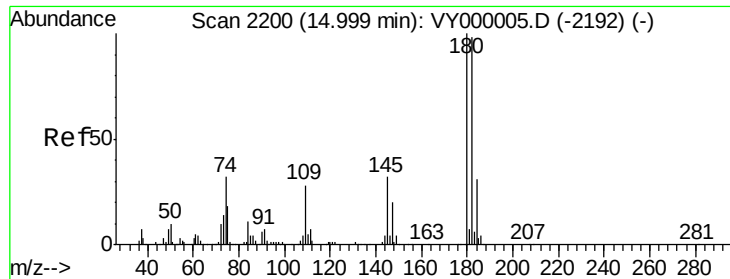
MMDadoda
 9/13/2019 11:51:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 115.741 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35283		
155	87.9	41.4	124.2	
157	112.4	52.8	158.4	





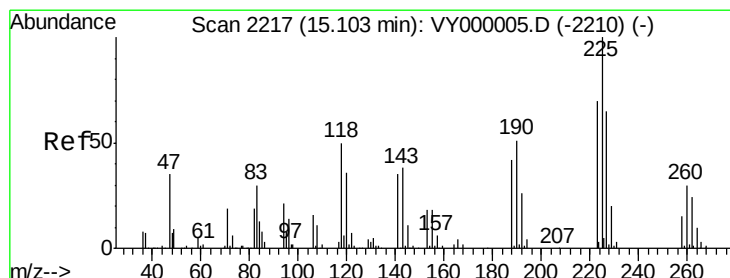
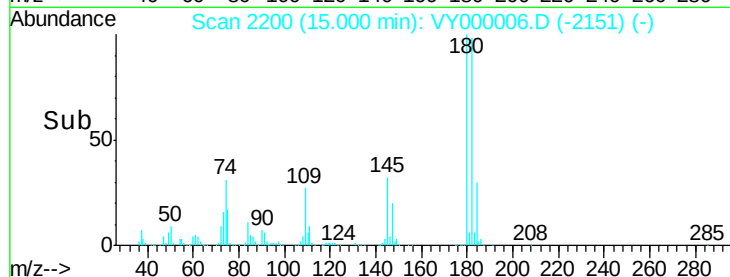
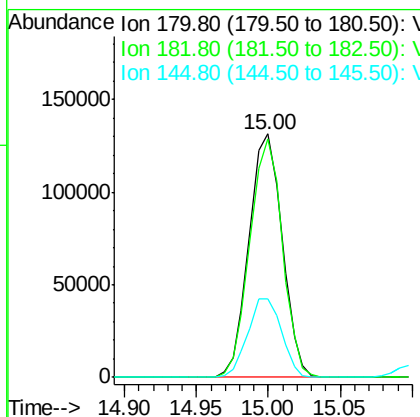
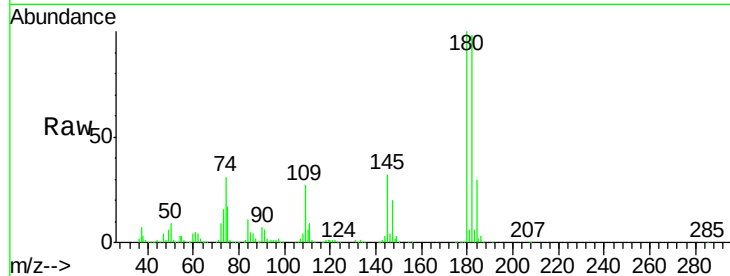
#93
 1,2,4-Trichlorobenzene
 Concen: 96.834 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	209228		
182	96.0		48.4	145.2
145	33.1		17.2	51.6

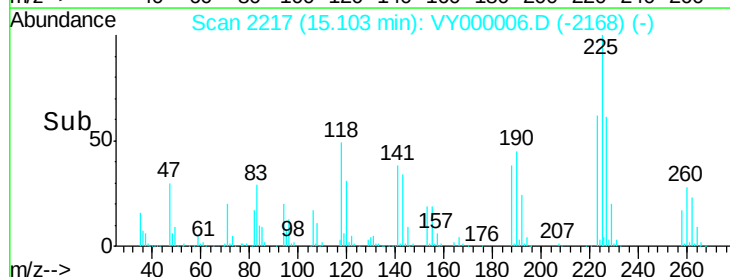
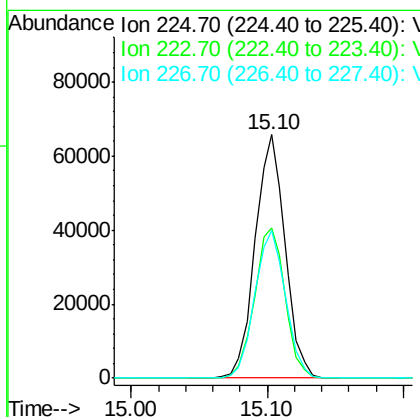
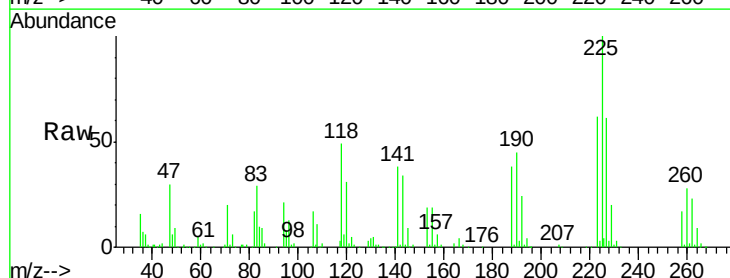
Manual Integrations
 APPROVED

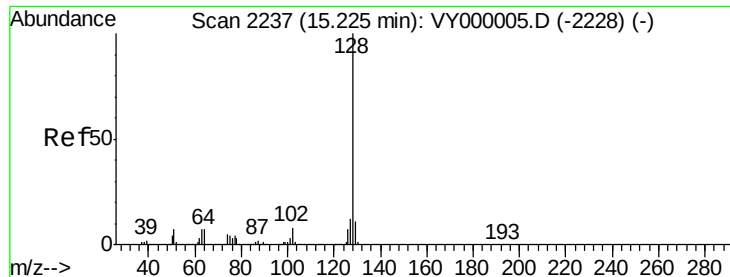
MMDadoda
 9/13/2019 11:51:32 PM



#94
 Hexachlorobutadiene
 Concen: 70.926 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: VY000006.D
 Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101687		
223	62.8		32.3	96.8
227	62.2		31.8	95.4





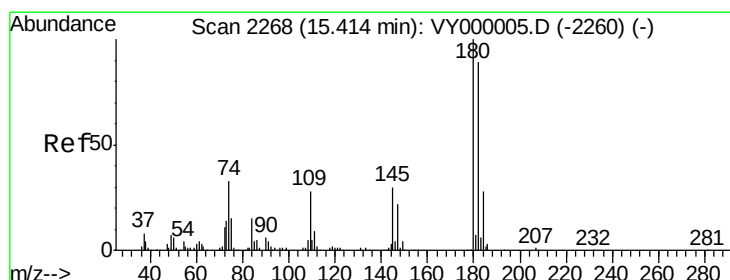
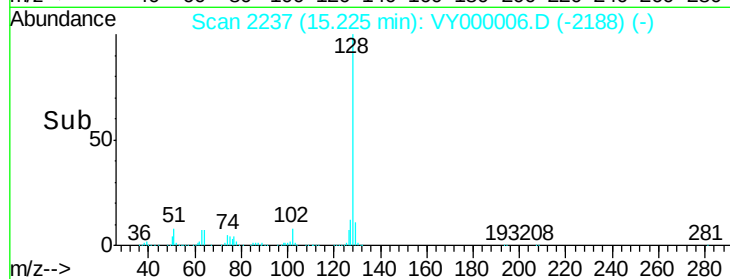
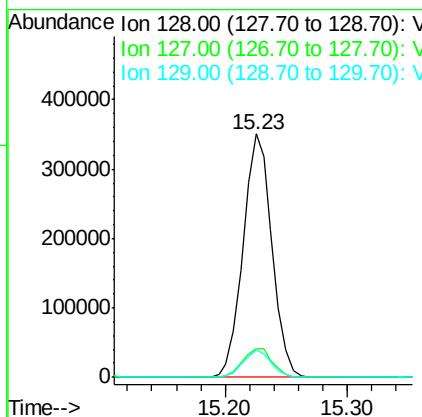
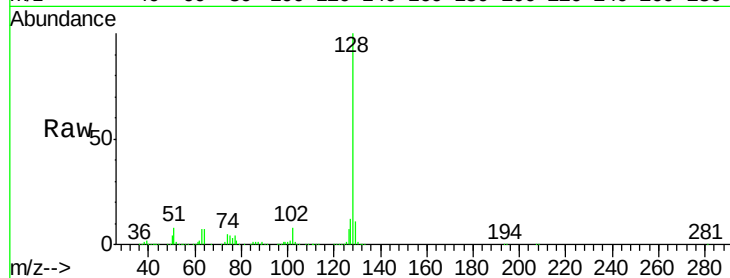
#95
Naphthalene
Concen: 132.585 ug/l
RT: 15.23 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	571278		
127	12.1		9.8	14.8
129	10.9		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 100.657 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VY000006.D
Acq: 11 Sep 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	193499		
182	95.3		46.1	138.2
145	33.6		16.2	48.6

