

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001527.D
 Acq On : 06 Feb 2020 13:58
 Operator : SY/MD
 Sample : VY0206SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 4:50:48 PM

Quant Time: Feb 07 04:20:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	223099	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	395592	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	354121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	170312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	125409	55.83	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.66%	
35) Dibromofluoromethane	7.75	113	115295	50.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.20	98	470033	54.46	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.92%	
62) 4-Bromofluorobenzene	12.49	95	174923	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	43199	19.781	ug/l	98
3) Chloromethane	2.13	50	56268	24.652	ug/l	96
4) Vinyl Chloride	2.27	62	58519	24.691	ug/l	98
5) Bromomethane	2.66	94	39020	26.179	ug/l	96
6) Chloroethane	2.82	64	37115	25.980	ug/l	95
7) Trichlorofluoromethane	3.15	101	76598	19.525	ug/l	96
8) Diethyl Ether	3.56	74	29835	22.537	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.94	101	48563	20.574	ug/l	98
10) Methyl Iodide	4.13	142	58248	19.367	ug/l	100
11) Tert butyl alcohol	5.00	59	35467	123.265	ug/l #	89
12) 1,1-Dichloroethene	3.91	96	48708	20.766	ug/l	95
13) Acrolein	3.77	56	24987	117.477	ug/l	98
14) Allyl chloride	4.52	41	86335	24.061	ug/l	98
15) Acrylonitrile	5.21	53	76748	126.461	ug/l	99
16) Acetone	3.99	43	73221	112.689	ug/l	97
17) Carbon Disulfide	4.23	76	160367	21.477	ug/l	99
18) Methyl Acetate	4.52	43	37912	27.342	ug/l	95
19) Methyl tert-butyl Ether	5.27	73	140311	22.494	ug/l	99
20) Methylene Chloride	4.76	84	60041	20.843	ug/l	94
21) trans-1,2-Dichloroethene	5.27	96	56618	21.713	ug/l	94
22) Diisopropyl ether	6.16	45	179001	25.180	ug/l	97
23) Vinyl Acetate	6.11	43	587901	129.907	ug/l	98
24) 1,1-Dichloroethane	6.07	63	96425	22.550	ug/l	99
25) 2-Butanone	7.03	43	110235	130.770	ug/l	96
26) 2,2-Dichloropropane	7.02	77	87110	21.286	ug/l	100
27) cis-1,2-Dichloroethene	7.03	96	63044	22.136	ug/l	98
28) Bromochloromethane	7.38	49	33175	22.774	ug/l	91
29) Tetrahydrofuran	7.38	42	69798	138.146	ug/l	94
30) Chloroform	7.54	83	92880	21.444	ug/l	96
31) Cyclohexane	7.82	56	99754	22.806	ug/l	99
32) 1,1,1-Trichloroethane	7.74	97	82090	20.904	ug/l	97
36) 1,1-Dichloropropene	7.95	75	77938	21.536	ug/l	99
37) Ethyl Acetate	7.11	43	47844	27.310	ug/l	95
38) Carbon Tetrachloride	7.94	117	70664	20.182	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	102499	21.510	ug/l	99
40) Benzene	8.19	78	225860	21.881	ug/l	100
41) Methacrylonitrile	7.35	41	23913m	29.451	ug/l	
42) 1,2-Dichloroethane	8.27	62	64460	22.415	ug/l	98
43) Isopropyl Acetate	8.30	43	89791	25.886	ug/l	95
44) Trichloroethene	8.96	130	57129	20.533	ug/l	94
45) 1,2-Dichloropropane	9.24	63	56255	22.569	ug/l	98
46) Dibromomethane	9.33	93	30599	21.862	ug/l	99
47) Bromodichloromethane	9.52	83	72785	21.343	ug/l	98
48) Methyl methacrylate	9.32	41	40836	25.939	ug/l	94
49) 1,4-Dioxane	9.32	88	8138	440.261	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	231884	135.746	ug/l	95
52) Toluene	10.26	92	144741	22.099	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	81499	21.941	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	94282	22.109	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	45520	22.668	ug/l	99
56) Ethyl methacrylate	10.52	69	67804	23.739	ug/l	93
57) 1,3-Dichloropropane	10.81	76	79264	22.391	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	114101	108.591	ug/l	96
59) 2-Hexanone	10.85	43	168743	135.861	ug/l	96
60) Dibromochloromethane	11.00	129	49337	20.843	ug/l	99
61) 1,2-Dibromoethane	11.10	107	43247	21.865	ug/l	99
64) Tetrachloroethene	10.74	164	47511	20.458	ug/l	98
65) Chlorobenzene	11.53	112	147372	21.195	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	51405	21.124	ug/l	99
67) Ethyl Benzene	11.60	91	278984	21.701	ug/l	99
68) m/p-Xylenes	11.71	106	208676	43.238	ug/l	99
69) o-Xylene	12.04	106	98467	21.639	ug/l	98
70) Styrene	12.06	104	172716	21.948	ug/l	99
71) Bromoform	12.22	173	29772	21.971	ug/l #	99
73) Isopropylbenzene	12.34	105	268792	20.693	ug/l	100
74) N-amyl acetate	12.15	43	87036	25.786	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.60	83	57392	23.256	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	37650m	20.556	ug/l	
77) Bromobenzene	12.62	156	58791	20.914	ug/l	96
78) n-propylbenzene	12.68	91	327395	21.054	ug/l	99
79) 2-Chlorotoluene	12.77	91	183270	20.676	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	223493	20.430	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	21234	22.433	ug/l	96
82) 4-Chlorotoluene	12.86	91	193991	20.874	ug/l	99
83) tert-Butylbenzene	13.08	119	186973	20.221	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	225424	20.820	ug/l	99
85) sec-Butylbenzene	13.26	105	272734	20.979	ug/l	100
86) p-Isopropyltoluene	13.38	119	244425	21.335	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	115076	21.361	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	116391	21.566	ug/l	99
89) n-Butylbenzene	13.70	91	243177	21.513	ug/l	100
90) Hexachloroethane	13.97	117	45564	20.721	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	107819	22.085	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10438	22.911	ug/l	93

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	71303	21.673	ug/l	98
94) Hexachlorobutadiene	15.12	225	35001	20.962	ug/l	98
95) Naphthalene	15.25	128	165154	21.360	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	63014	21.698	ug/l	97

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

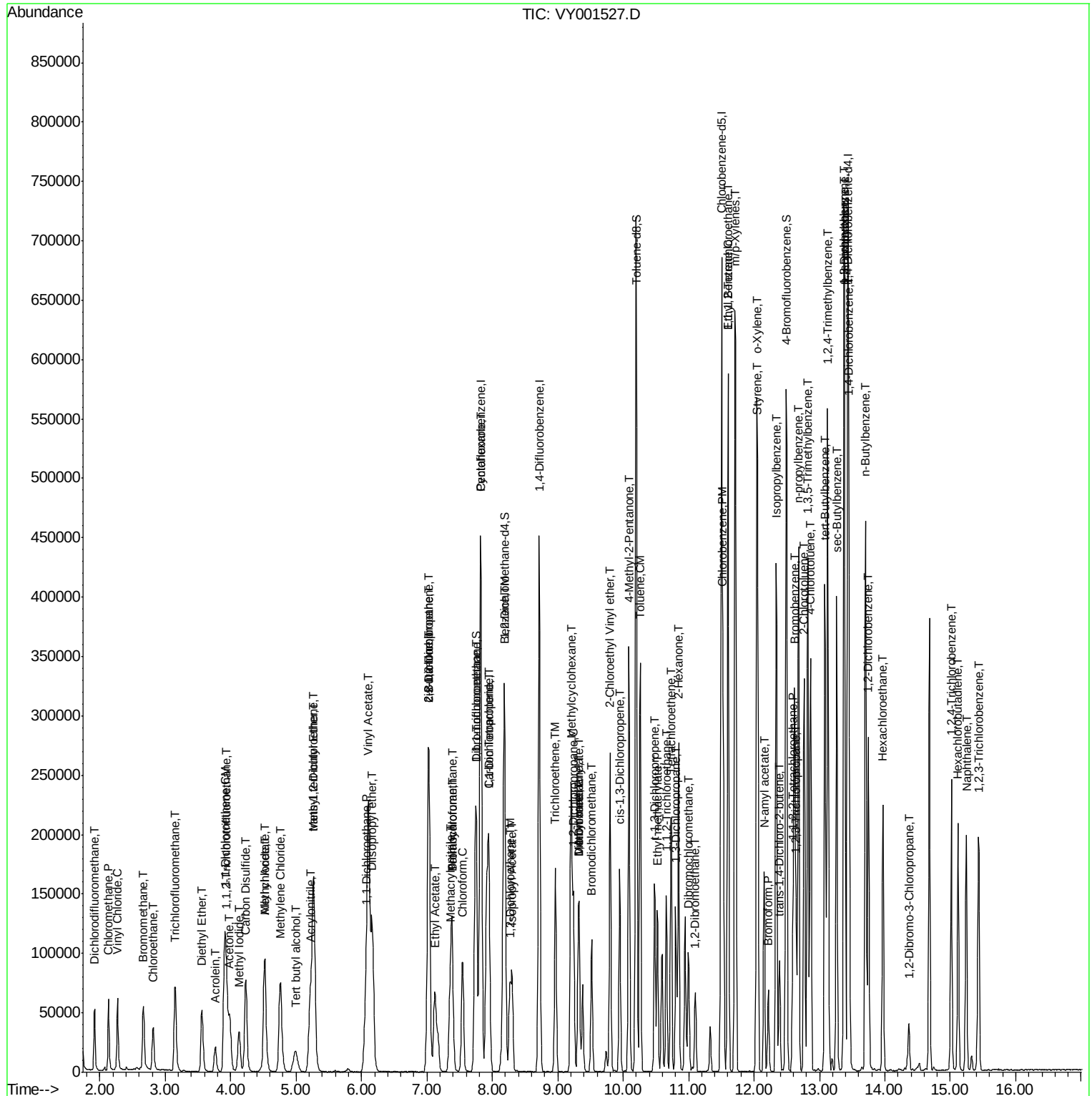
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
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Operator : SY/MD
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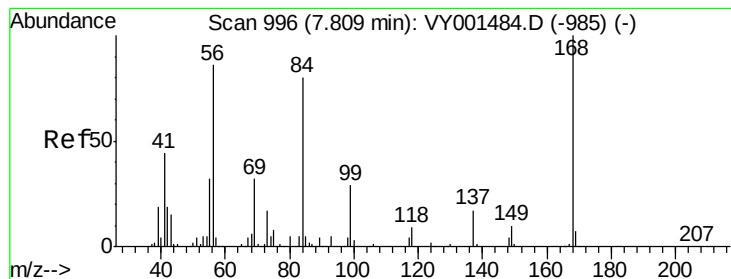
Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion:168 Resp: 223099

Ion Ratio Lower Upper

168 100

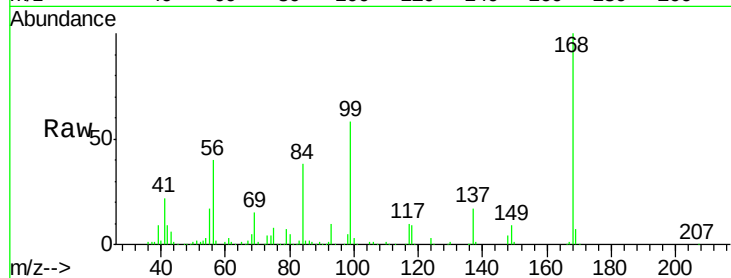
99 57.8 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.82

100000

80000

60000

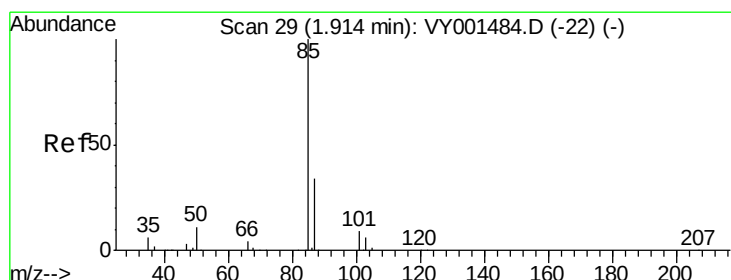
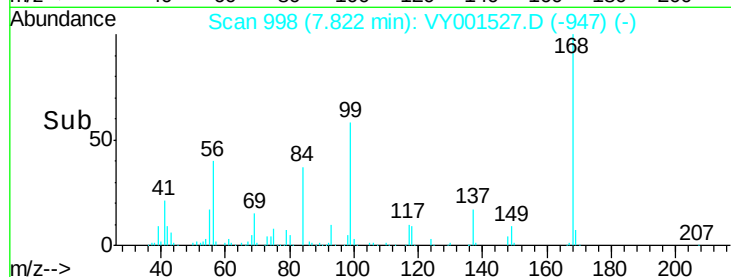
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.781 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001527.D

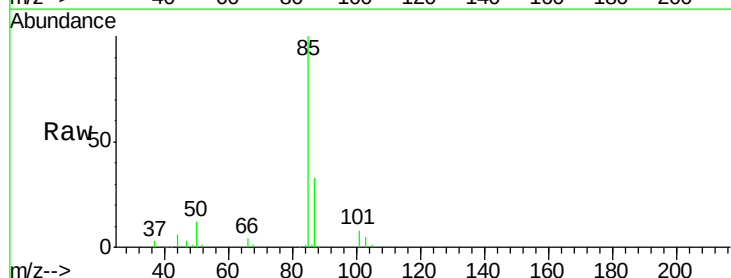
Acq: 06 Feb 2020 13:58

Tgt Ion: 85 Resp: 43199

Ion Ratio Lower Upper

85 100

87 33.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001484.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001484.D (-22) (-)

1.92

30000

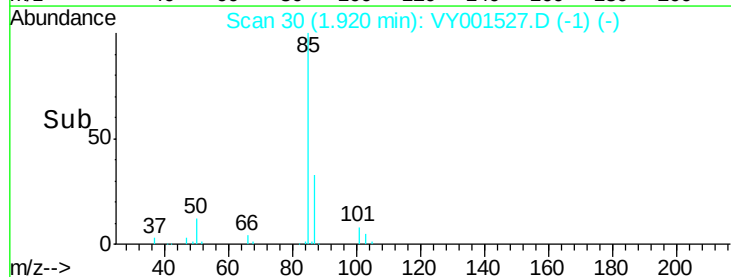
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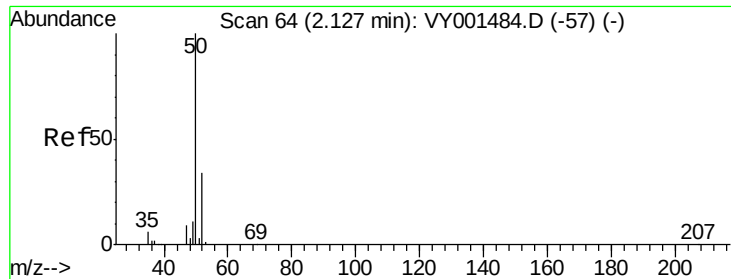
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 24.652 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBSD01

Tot Ion: 50 Resp: 56268

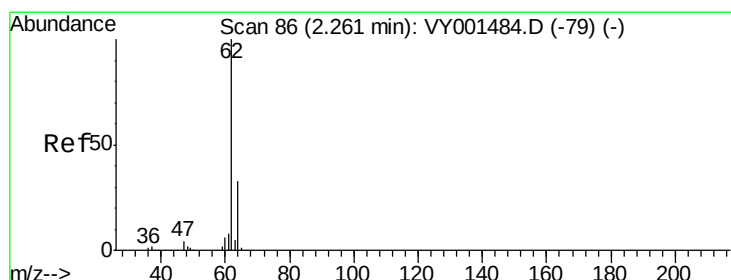
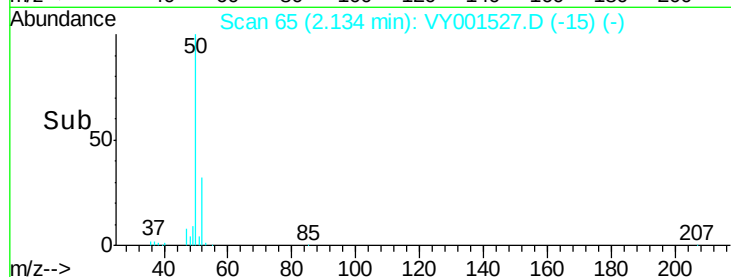
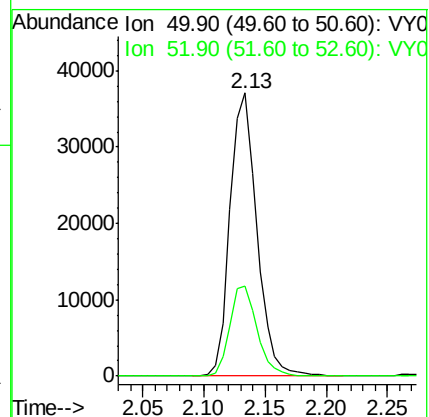
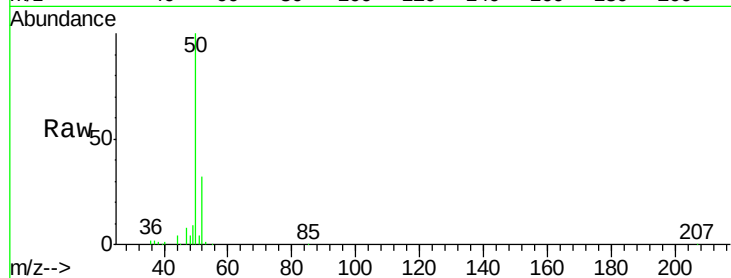
Ion Ratio Lower Upper

50 100

52 31.7 27.3 40.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 24.691 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001527.D

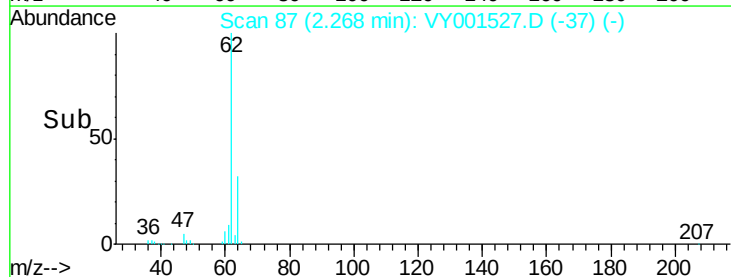
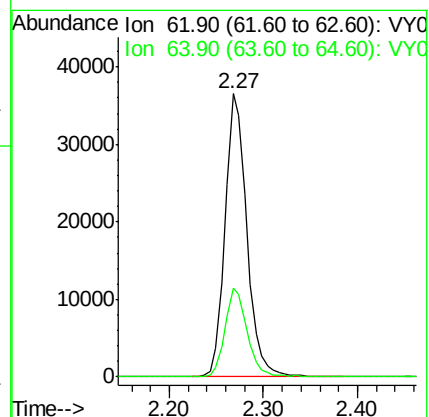
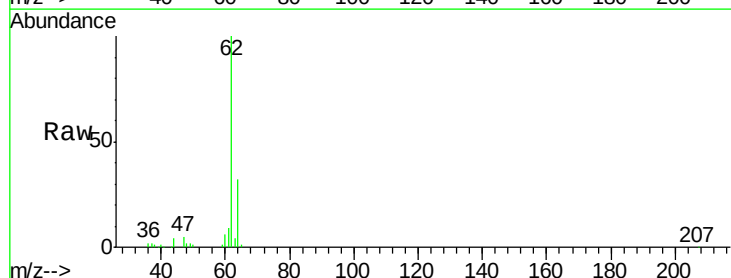
Acq: 06 Feb 2020 13:58

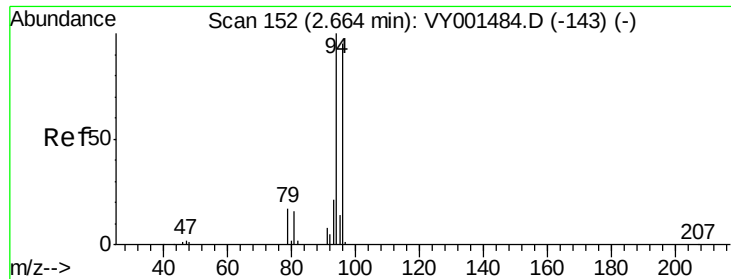
Tgt Ion: 62 Resp: 58519

Ion Ratio Lower Upper

62 100

64 31.6 26.4 39.6





#5

Bromomethane

Concen: 26.179 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 94 Resp: 39020

Ion Ratio Lower Upper

94 100

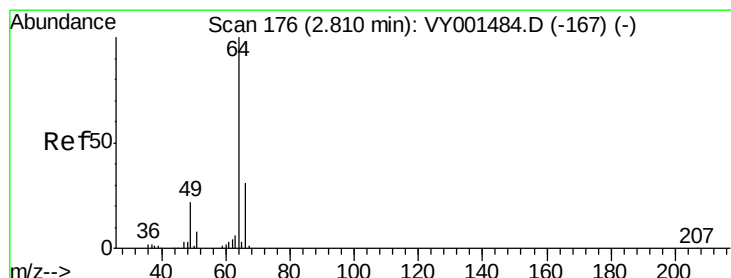
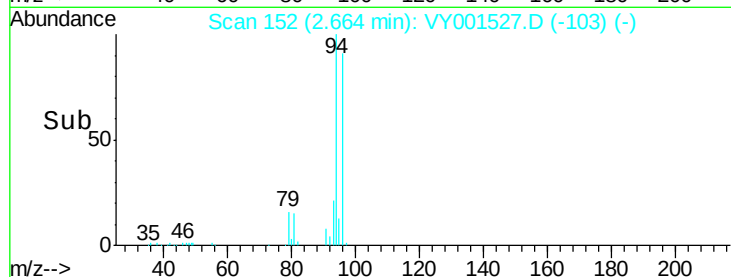
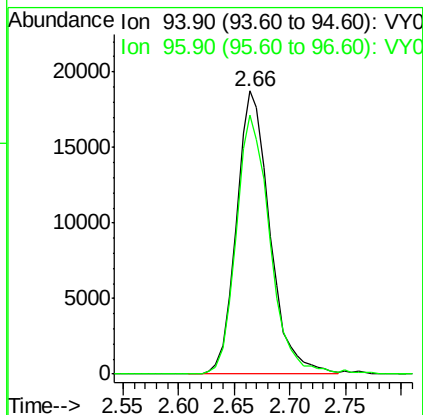
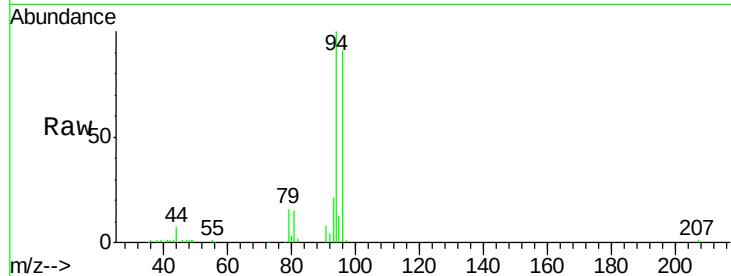
96 91.5 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 25.980 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001527.D

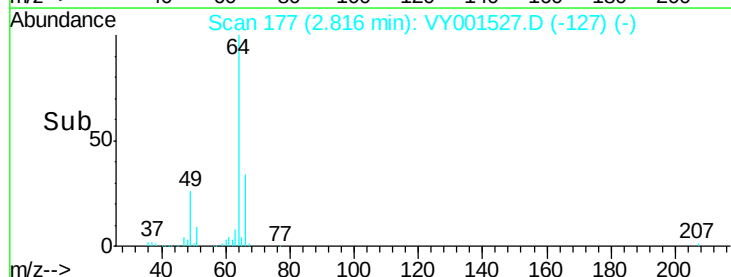
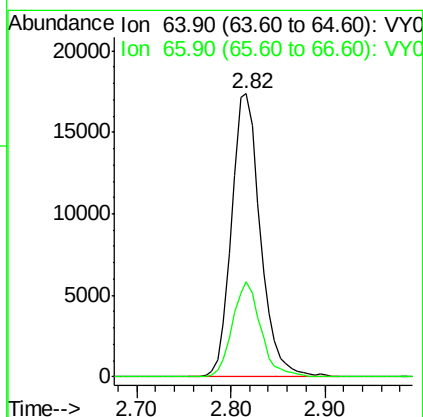
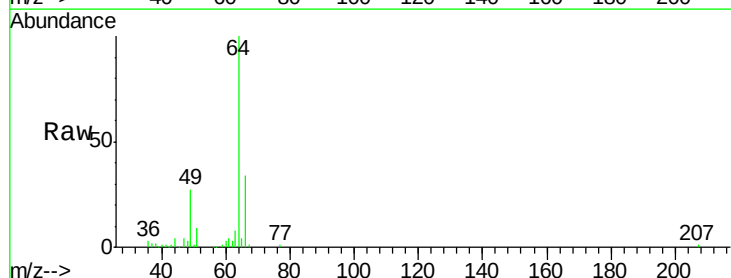
Acq: 06 Feb 2020 13:58

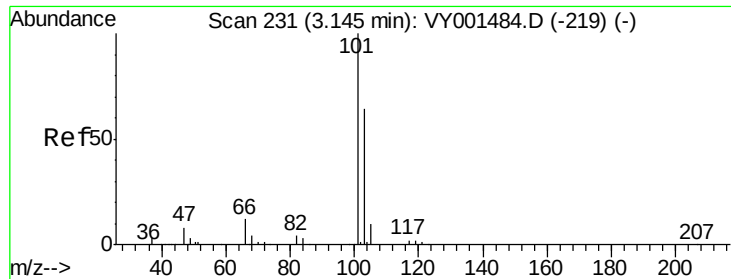
Tgt Ion: 64 Resp: 37115

Ion Ratio Lower Upper

64 100

66 33.6 24.5 36.7





#7

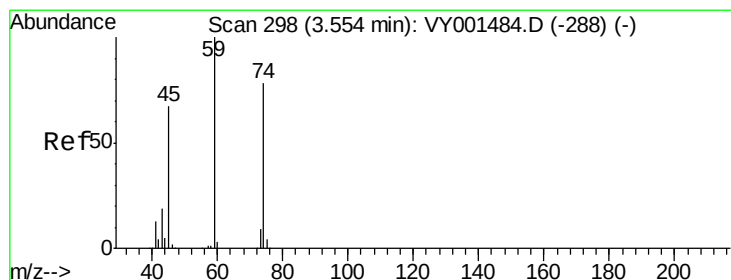
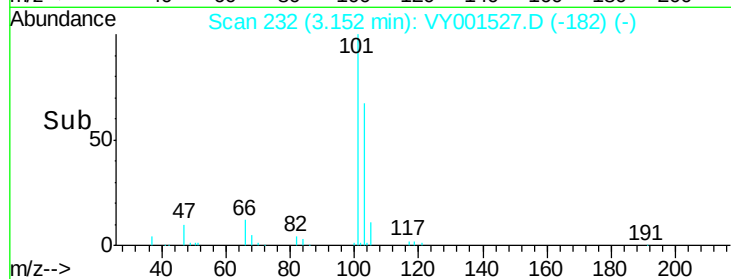
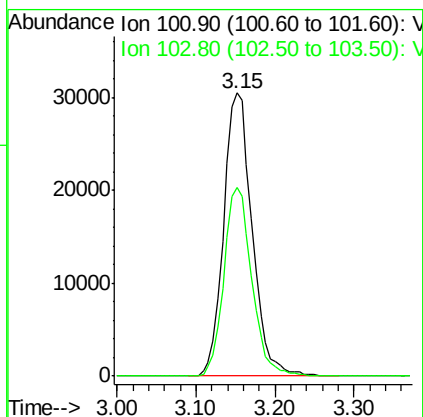
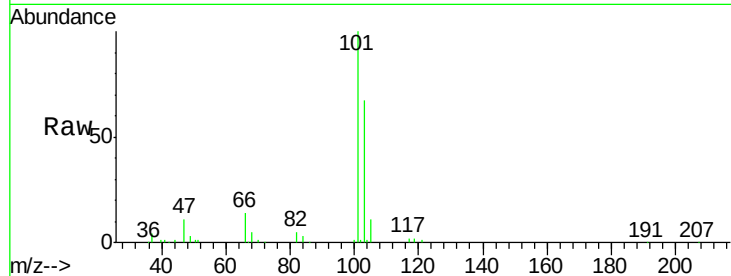
Trichlorofluoromethane
 Concen: 19.525 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	76598		
103	66.9	50.9	76.3	

Manual Integrations
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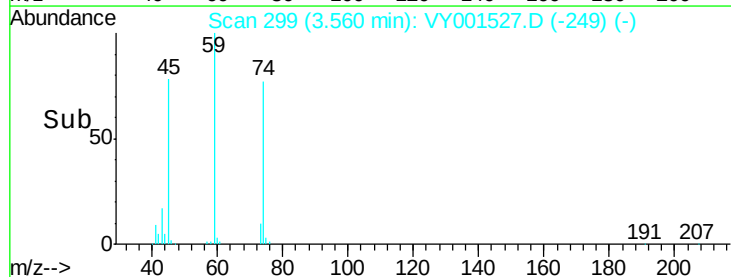
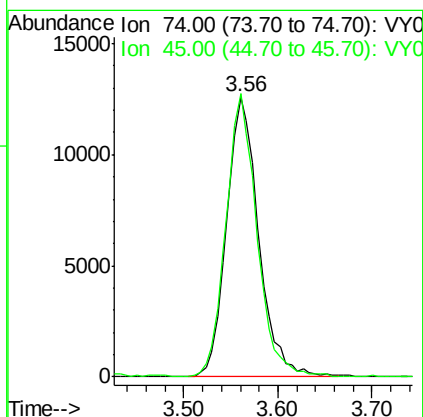
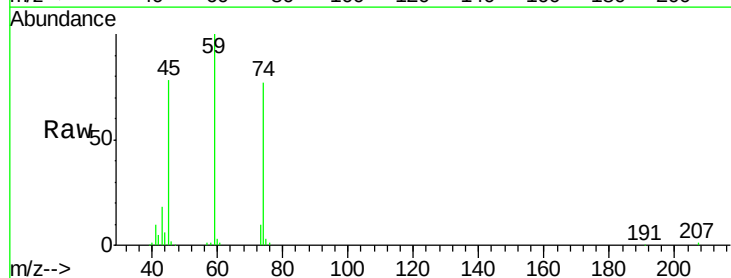
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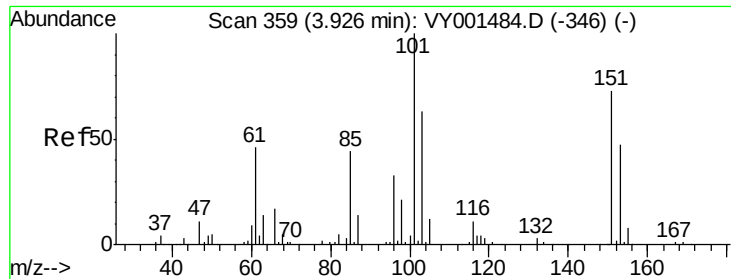


#8

Diethyl Ether
 Concen: 22.537 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	29835		
45	97.8	44.5	133.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.574 ug/l

RT: 3.94 min Scan# 361

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

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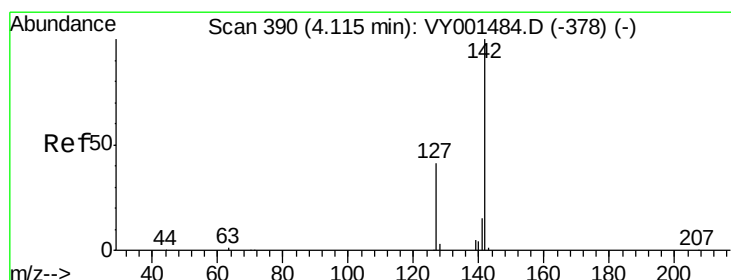
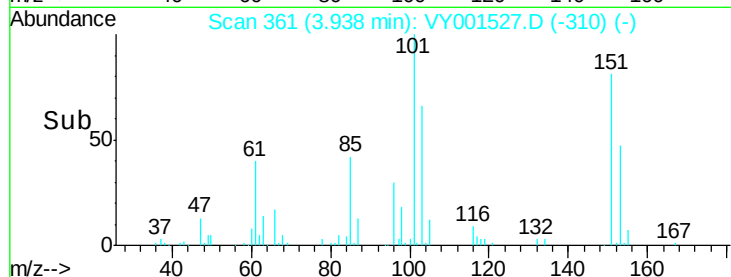
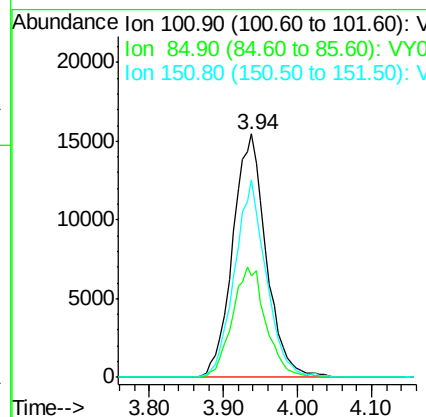
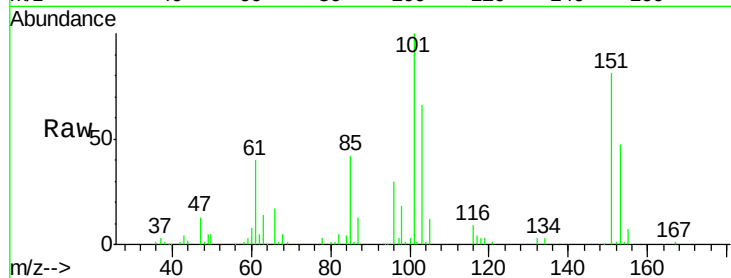
ClientSampleId :

VY0206SBS01

Tot Ion:	101	Resp:	48563
Ion Ratio	Lower	Upper	
101	100		
85	45.5	34.6	51.8
151	76.8	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.367 ug/l

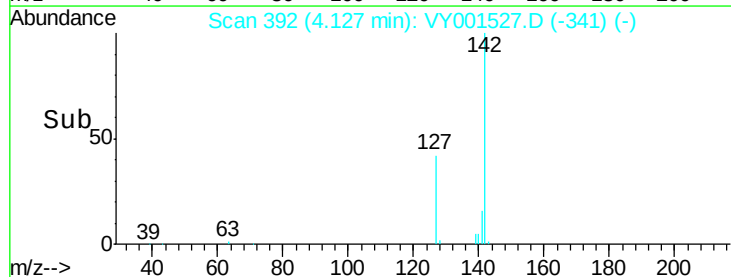
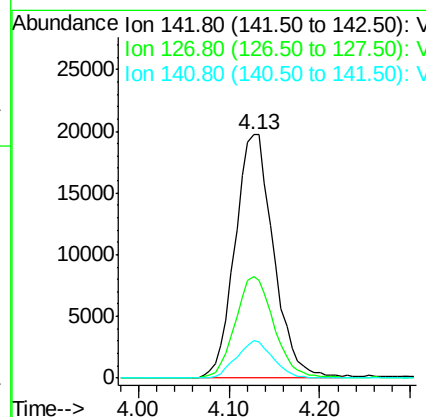
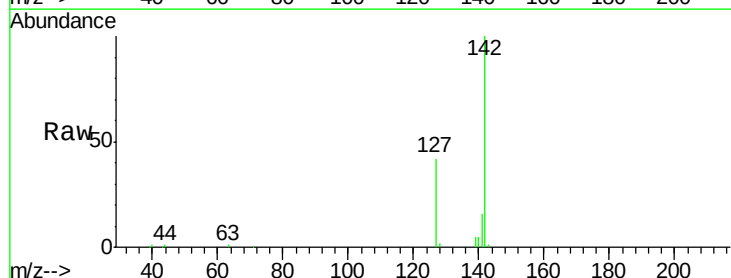
RT: 4.13 min Scan# 392

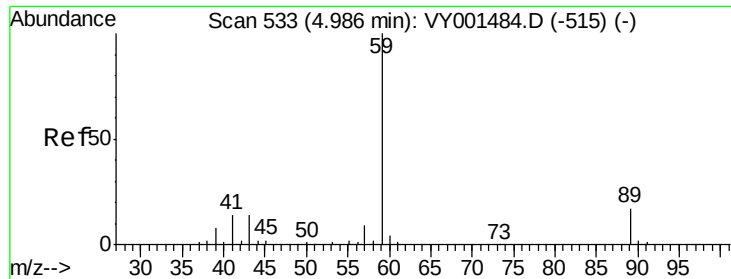
Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tgt Ion:	142	Resp:	58248
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.3	49.9
141	14.5	11.5	17.3





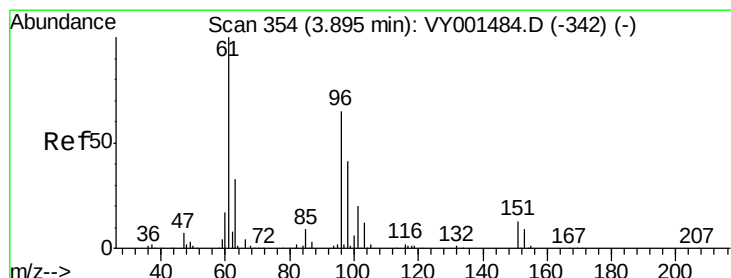
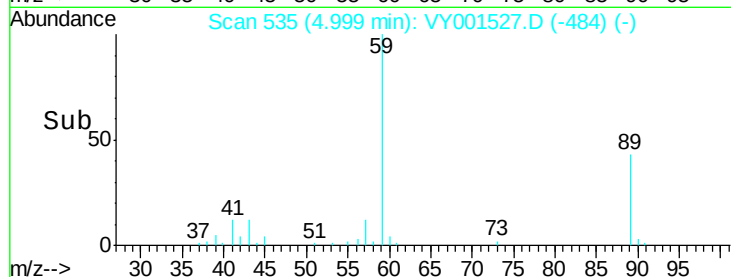
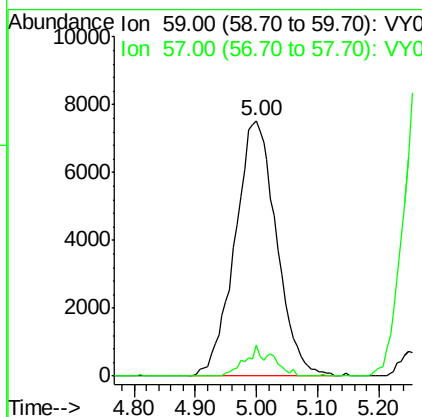
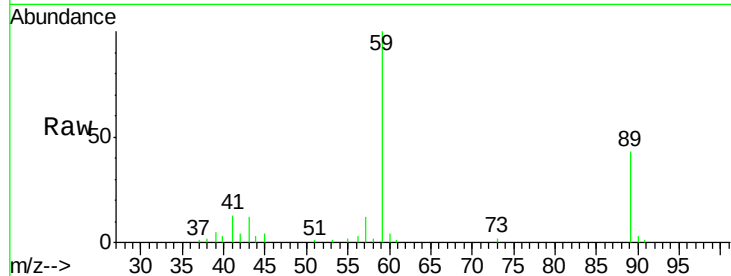
#11
Tert butyl alcohol
Concen: 123.265 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion: 59 Resp: 35467
Ion Ratio Lower Upper
59 100
57 4.7 7.0 10.6#

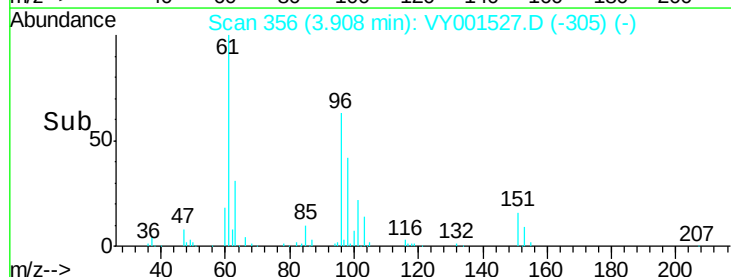
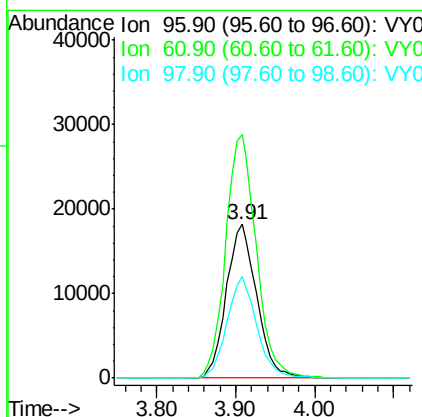
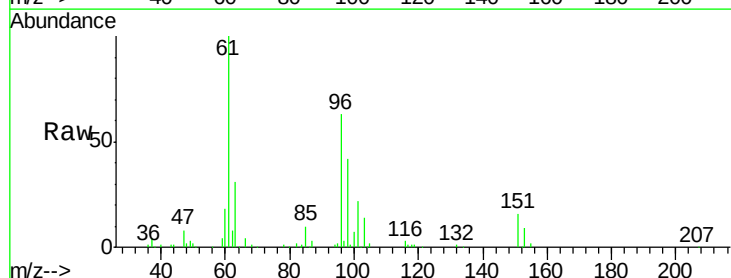
Manual Integrations
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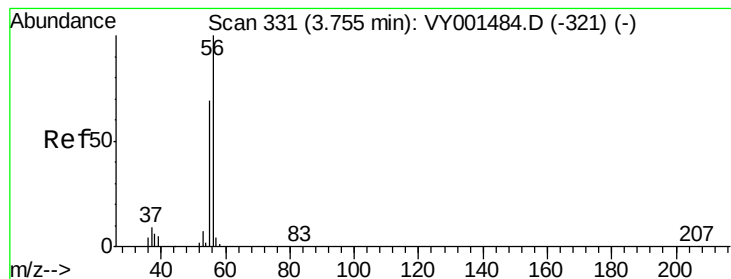
MMDadoda
2/7/2020 4:50:48 PM



#12
1,1-Dichloroethene
Concen: 20.766 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Tgt Ion: 96 Resp: 48708
Ion Ratio Lower Upper
96 100
61 158.7 122.3 183.5
98 66.3 49.7 74.5





#13

Acrolein

Concen: 117.477 ug/l

RT: 3.77 min Scan# 333

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 56 Resp: 24987

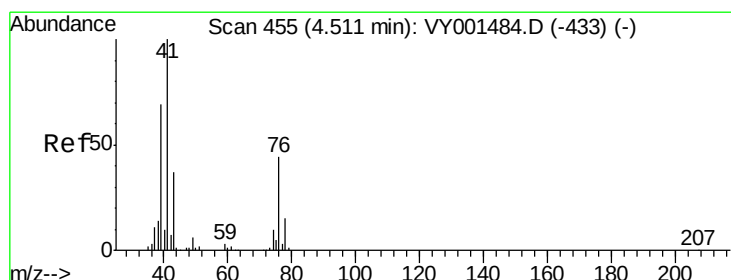
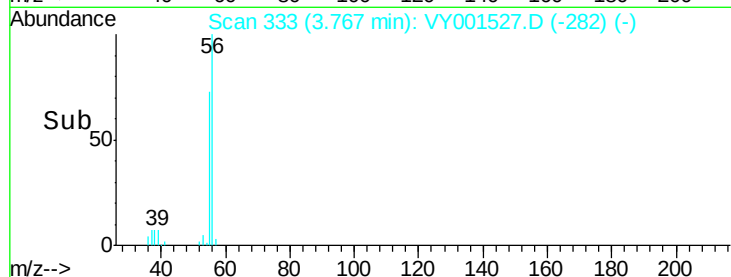
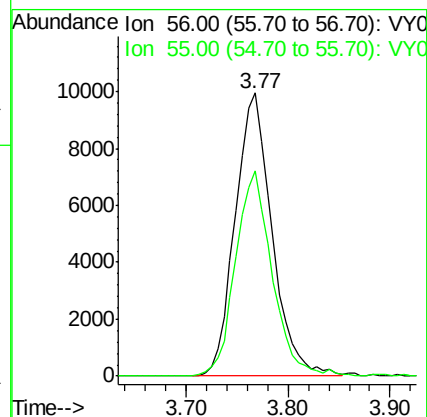
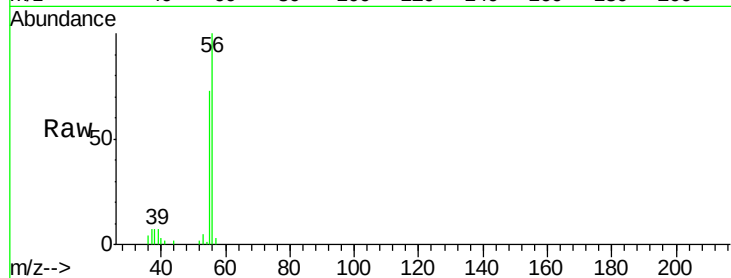
Ion Ratio Lower Upper

56 100

55 71.9 56.2 84.4

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#14

Allyl chloride

Concen: 24.061 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

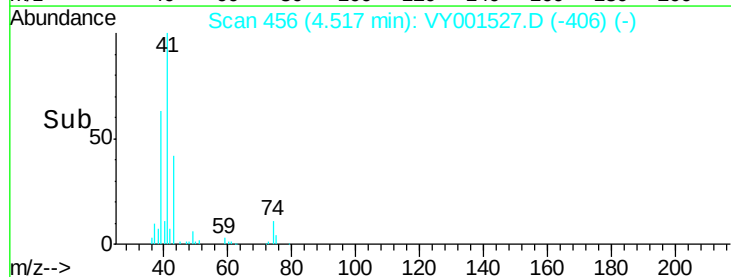
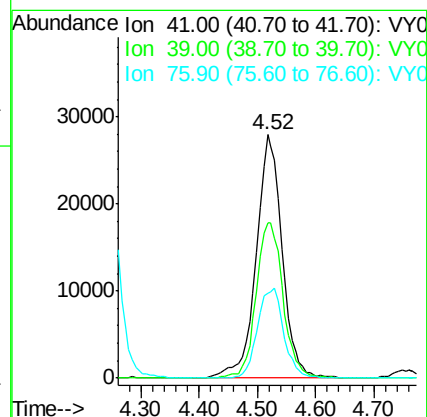
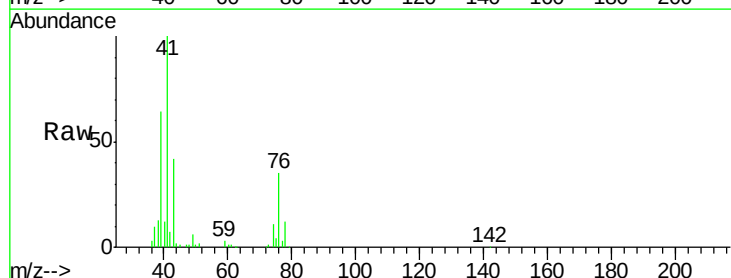
Tgt Ion: 41 Resp: 86335

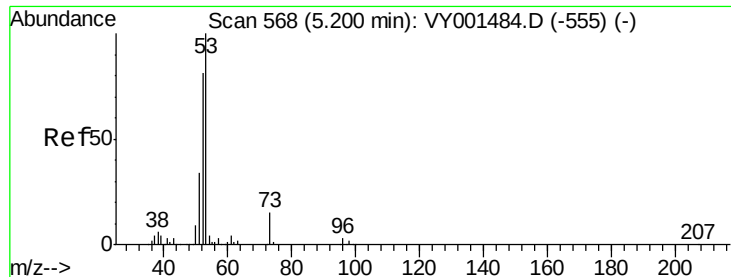
Ion Ratio Lower Upper

41 100

39 66.3 53.0 79.6

76 37.2 32.6 48.8





#15

Acrylonitrile

Concen: 126.461 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

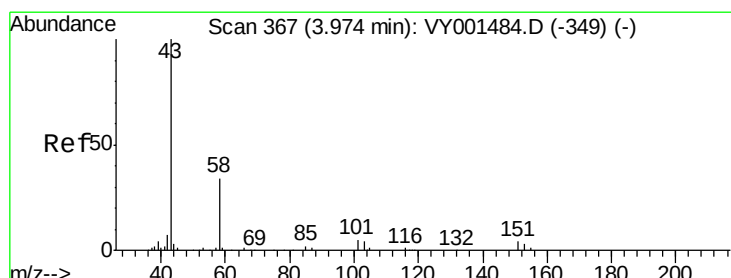
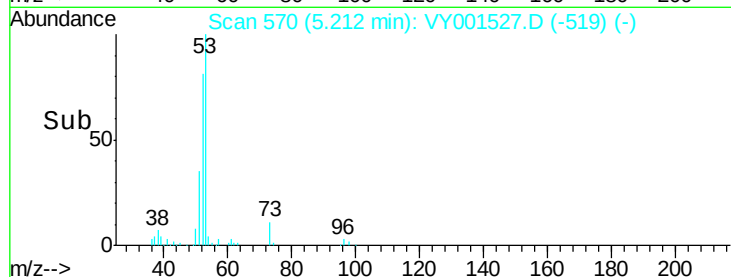
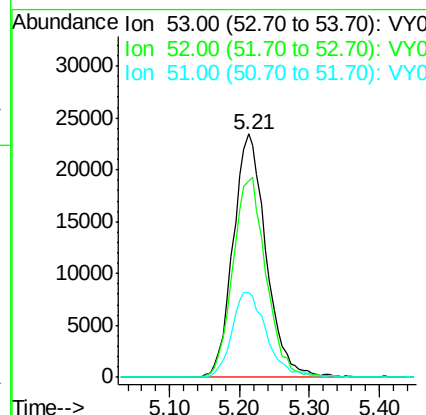
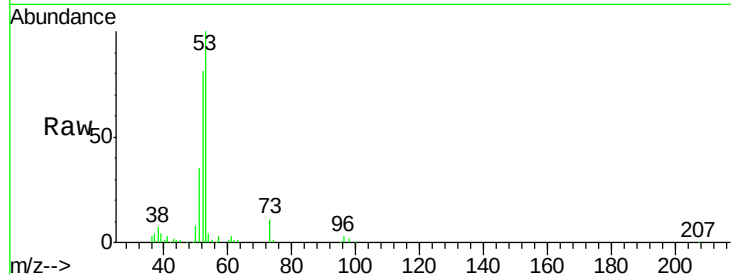
ClientSampleId :

VY0206SBS01

Tot Ion:	53	Resp:	76748
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.4	98.2
51	36.7	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 112.689 ug/l

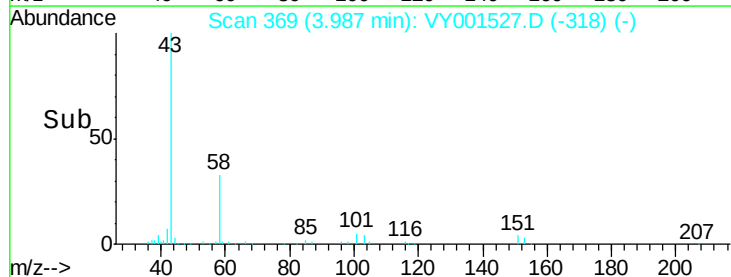
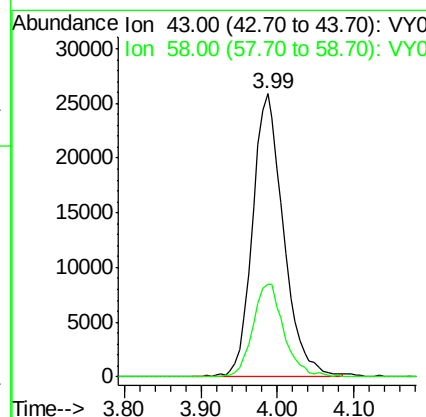
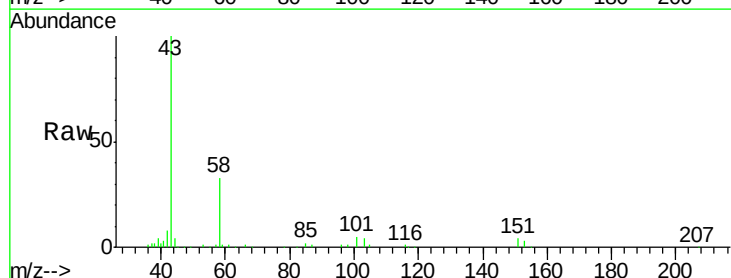
RT: 3.99 min Scan# 369

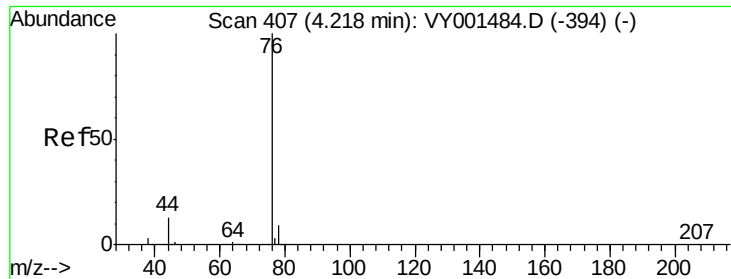
Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tgt Ion:	43	Resp:	73221
Ion Ratio	Lower	Upper	
43	100		
58	32.5	27.5	41.3





#17

Carbon Disulfide

Concen: 21.477 ug/l

RT: 4.23 min Scan# 409

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 76 Resp: 160367

Ion Ratio Lower Upper

76 100

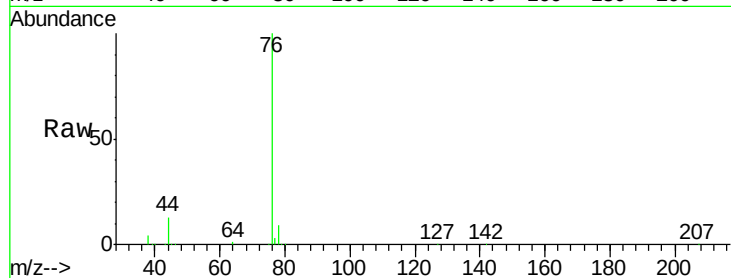
78 9.3 7.0 10.6

Manual Integrations

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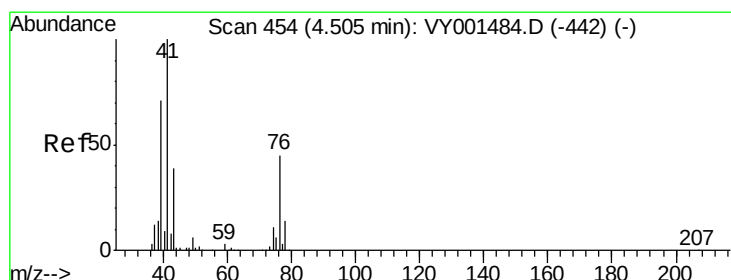
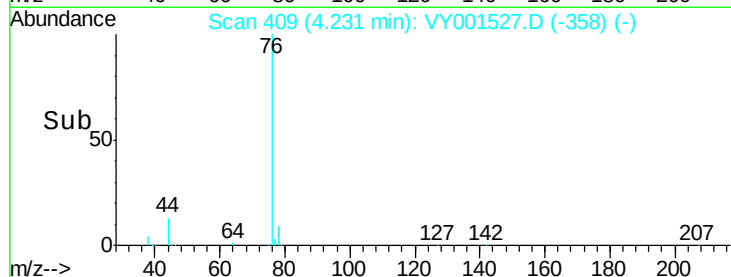
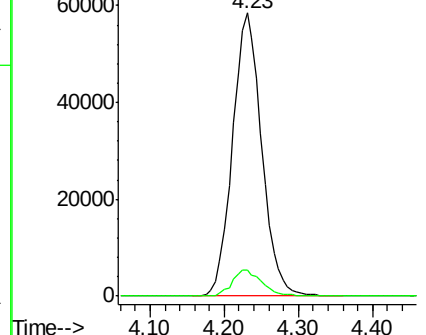
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 27.342 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.02 min

Lab File: VY001527.D

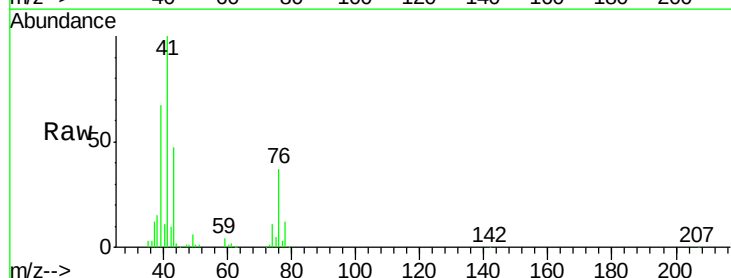
Acq: 06 Feb 2020 13:58

Tgt Ion: 43 Resp: 37912

Ion Ratio Lower Upper

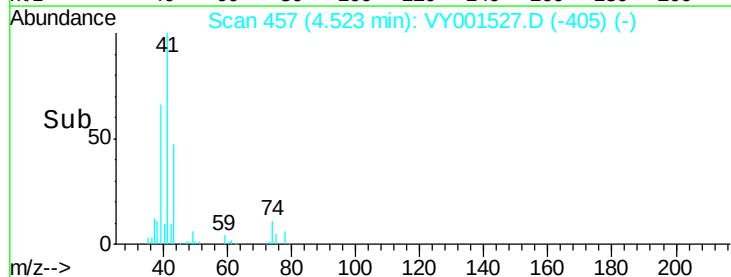
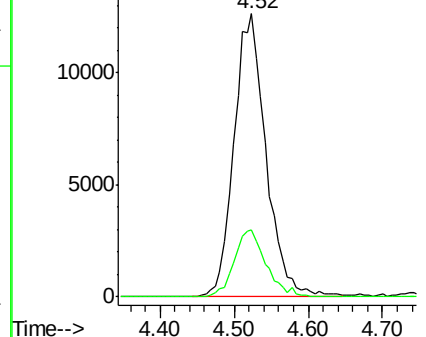
43 100

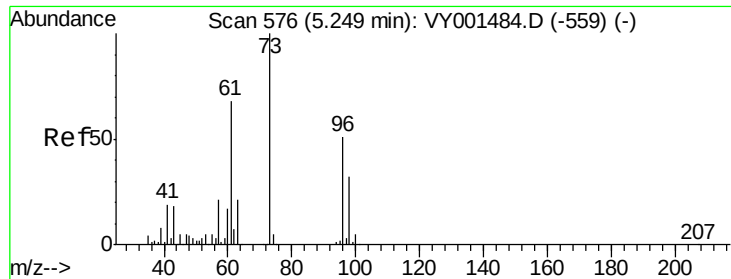
74 23.5 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





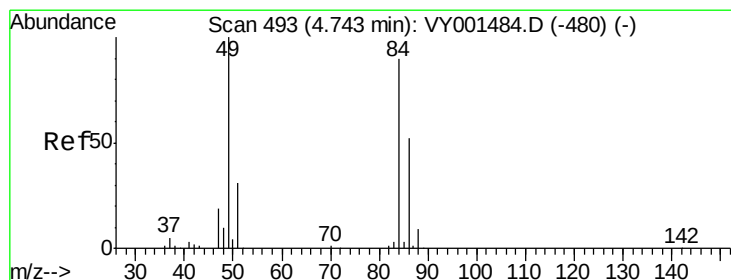
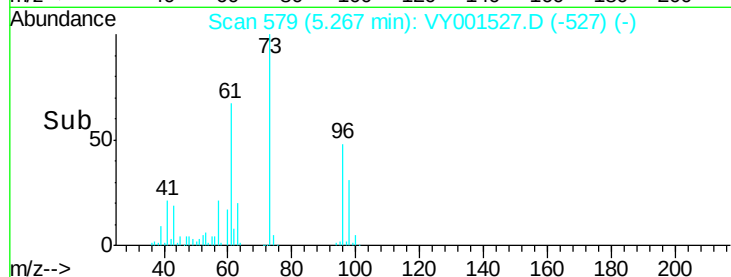
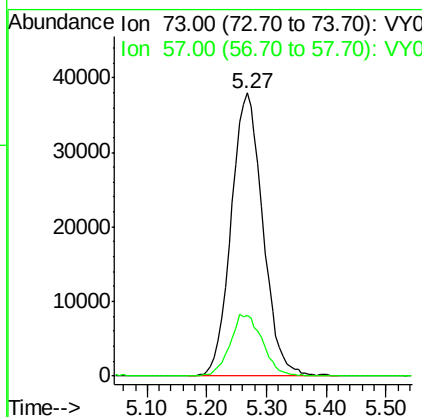
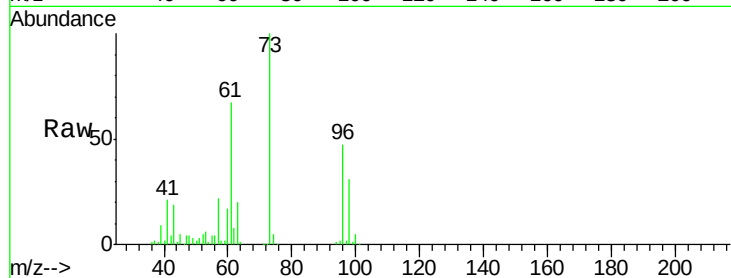
#19
Methyl tert-butyl Ether
Concen: 22.494 ug/l
RT: 5.27 min Scan# 579
Delta R.T. 0.02 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion: 73 Resp: 140311
Ion Ratio Lower Upper
73 100
57 21.6 17.0 25.6

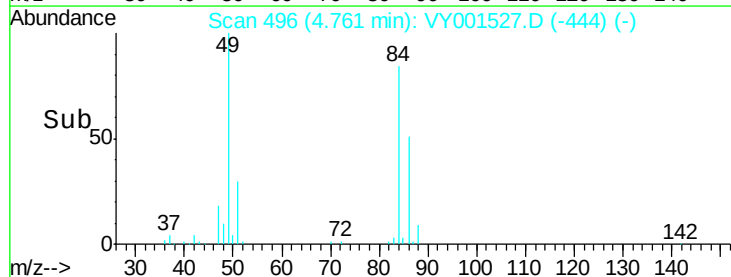
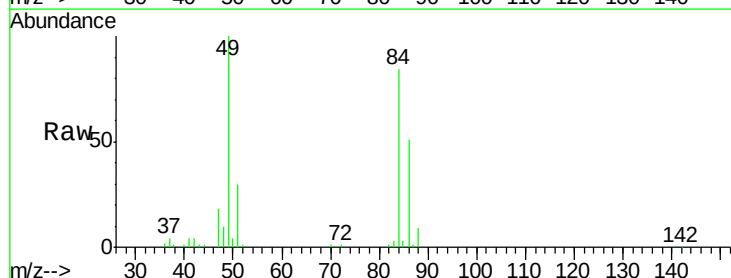
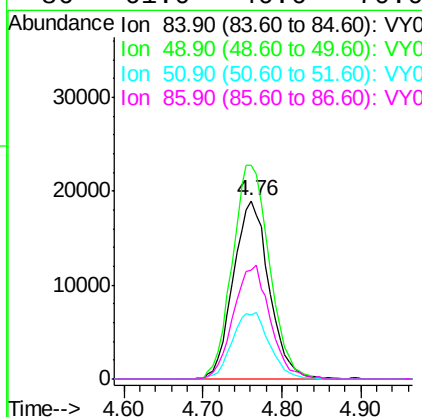
Manual Integrations
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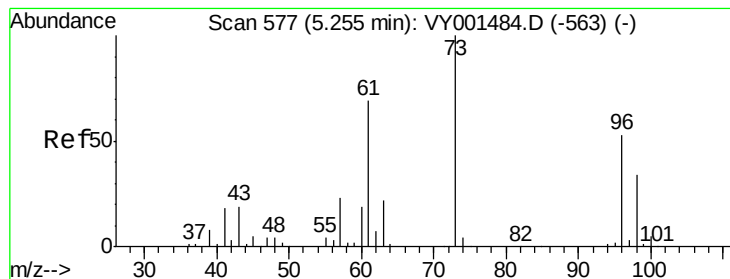
MMDadoda
2/7/2020 4:50:48 PM



#20
Methylene Chloride
Concen: 20.843 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.02 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Tgt Ion: 84 Resp: 60041
Ion Ratio Lower Upper
84 100
49 119.6 89.0 133.6
51 36.0 27.4 41.2
86 61.0 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 21.713 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 96 Resp: 56618

Ion Ratio Lower Upper

96 100

61 140.7 104.2 156.4

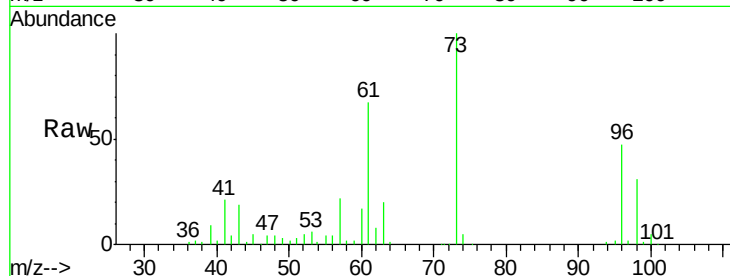
98 65.4 51.4 77.0

Manual Integrations

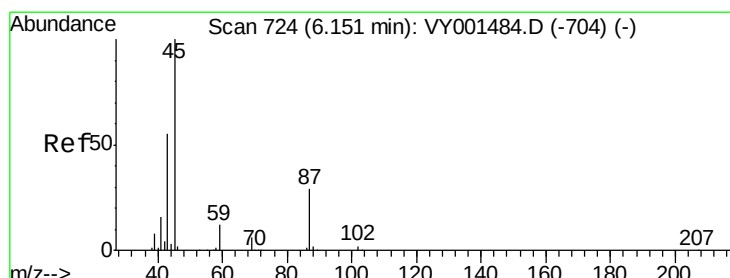
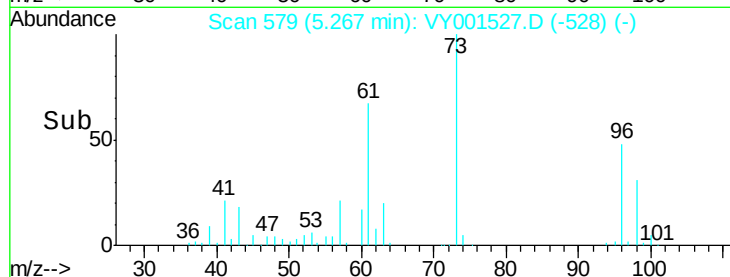
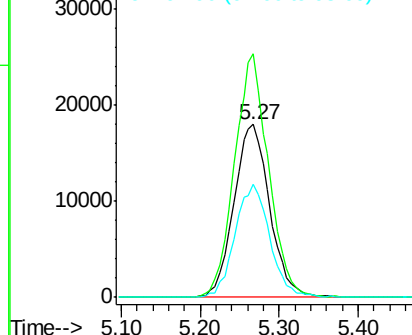
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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 25.180 ug/l

RT: 6.16 min Scan# 726

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tgt Ion: 45 Resp: 179001

Ion Ratio Lower Upper

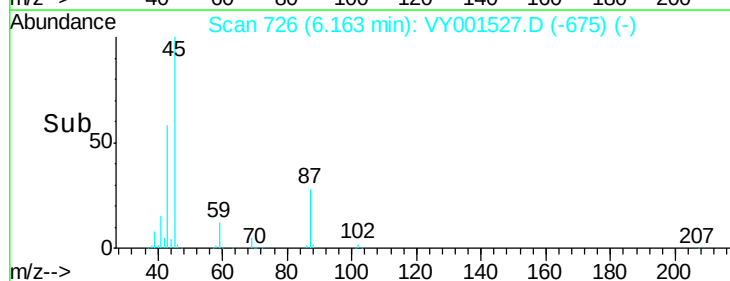
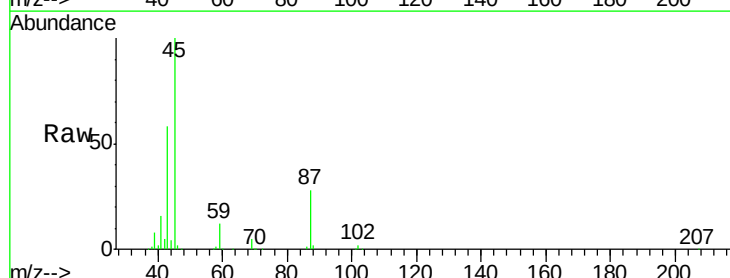
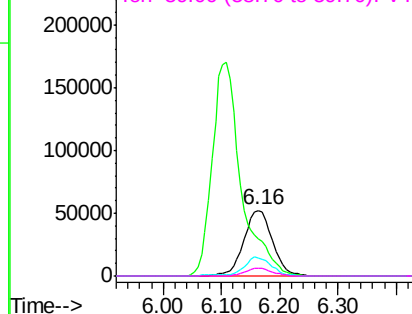
45 100

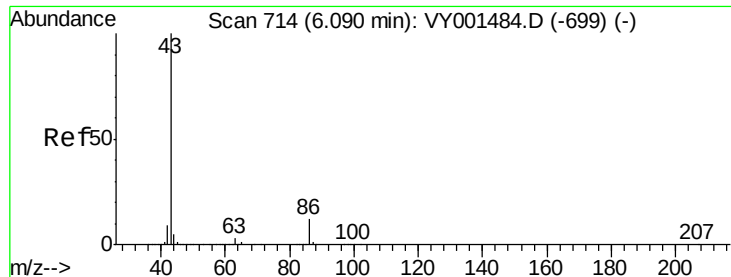
43 57.1 44.2 66.4

87 28.1 23.9 35.9

59 11.5 10.2 15.2

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





#23

Vinyl Acetate

Concen: 129.907 ug/l

RT: 6.11 min Scan# 717

Delta R.T. 0.02 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 43 Resp: 587901

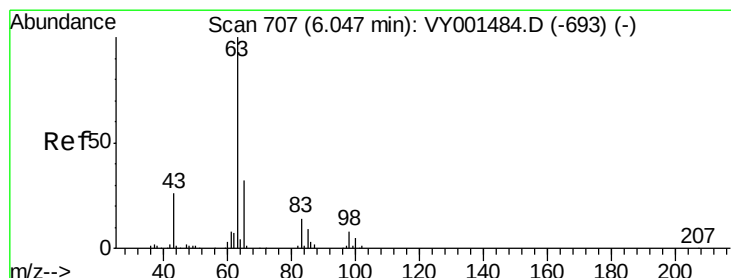
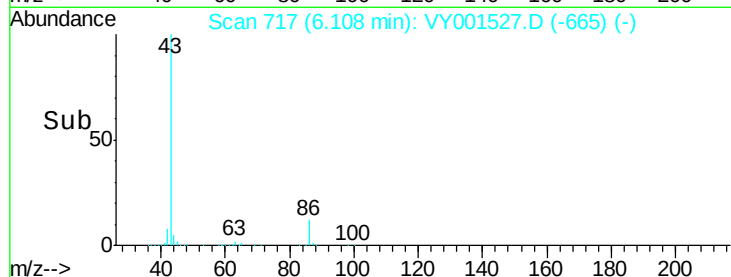
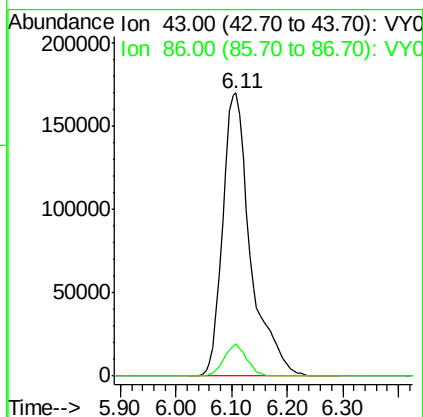
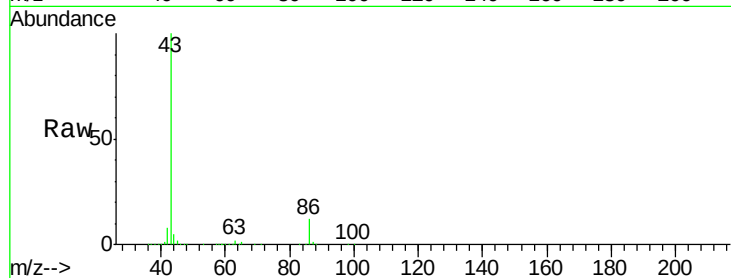
Ion Ratio Lower Upper

43 100

86 11.6 9.8 14.8

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 22.550 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.02 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

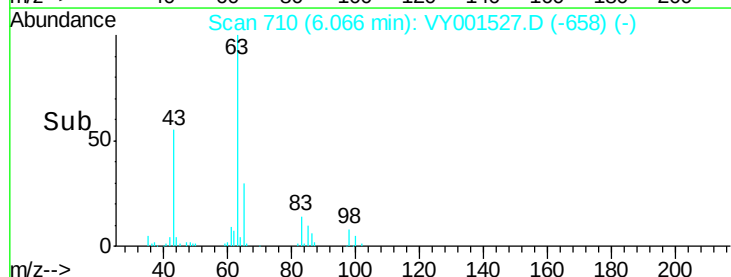
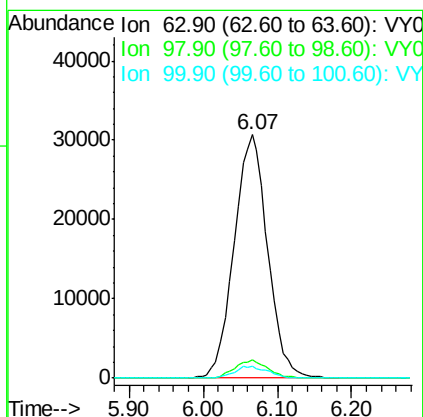
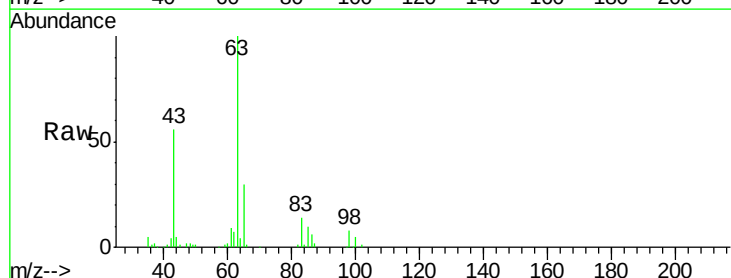
Tgt Ion: 63 Resp: 96425

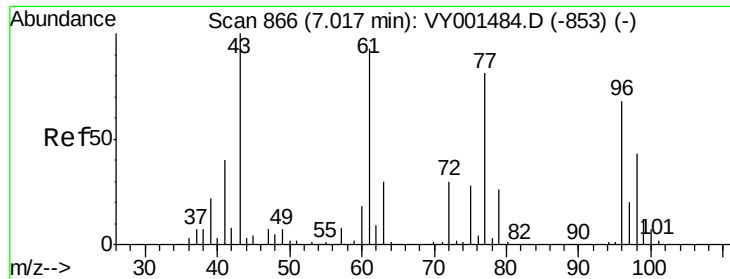
Ion Ratio Lower Upper

63 100

98 7.6 4.0 11.9

100 5.0 2.6 8.0





#25

2-Butanone

Concen: 130.770 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tot Ion: 43 Resp: 110235

Ion Ratio Lower Upper

43 100

72 27.6 23.8 35.8

Instrument :

MSVOA_Y

ClientSampleId :

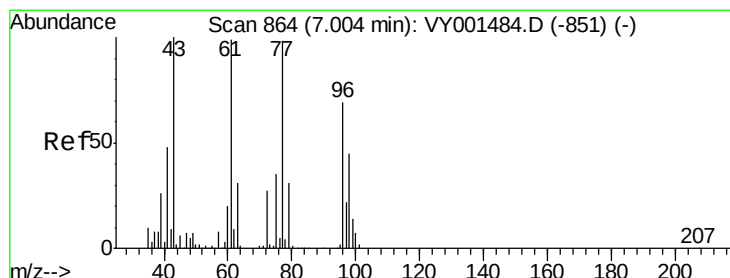
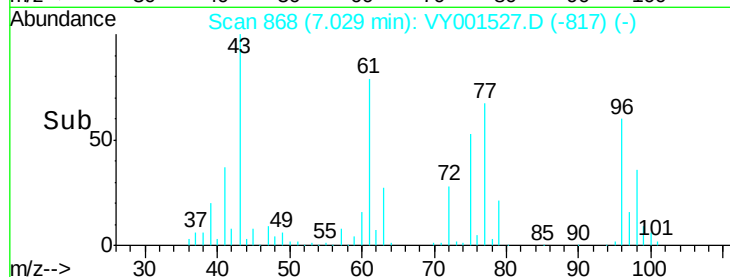
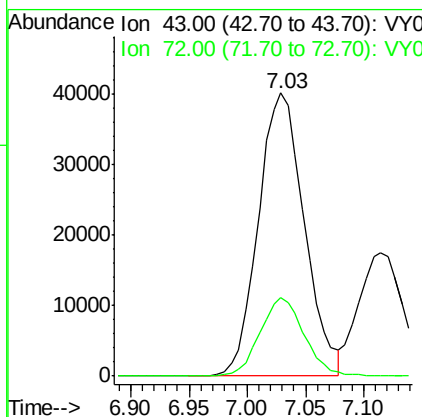
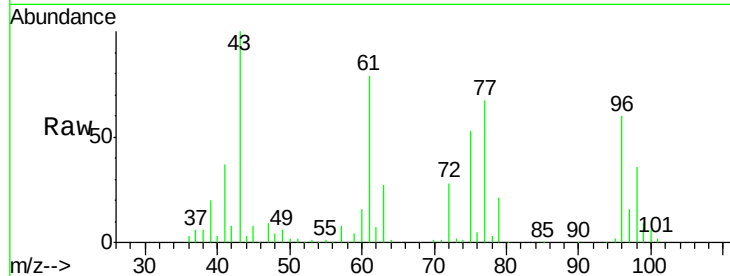
VY0206SBS01

Manual Integrations

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2/7/2020 4:50:48 PM



#26

2,2-Dichloropropane

Concen: 21.286 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY001527.D

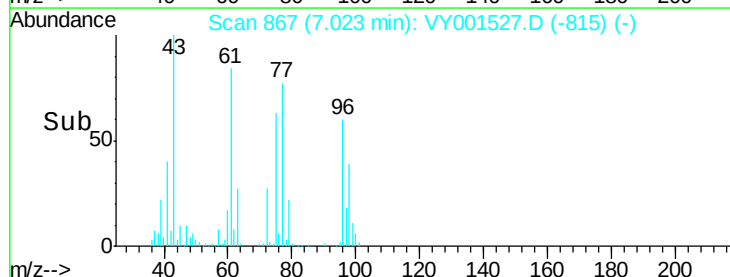
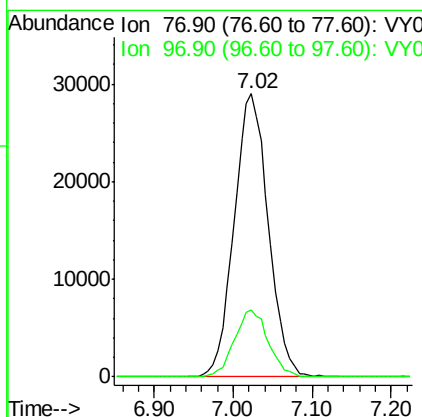
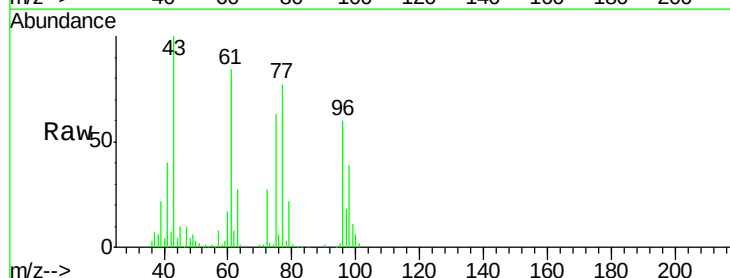
Acq: 06 Feb 2020 13:58

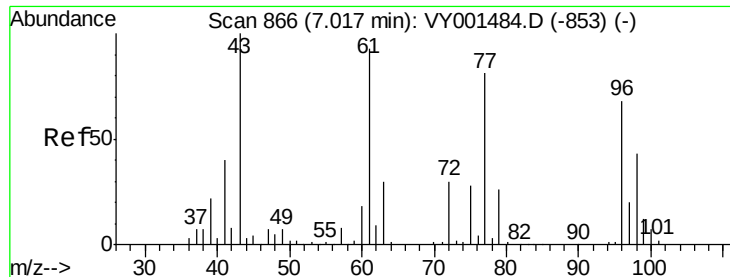
Tgt Ion: 77 Resp: 87110

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0





#27

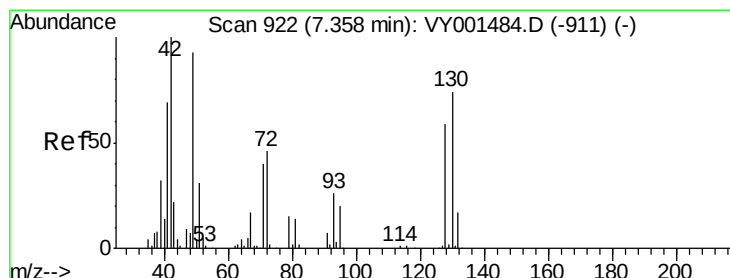
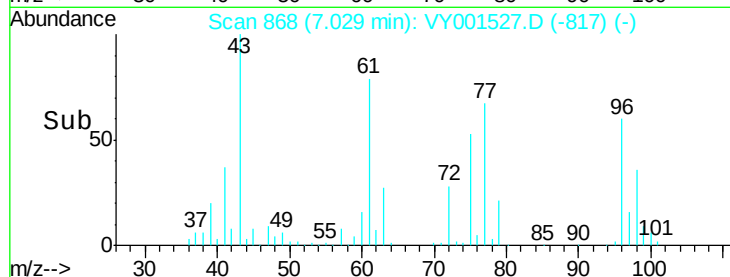
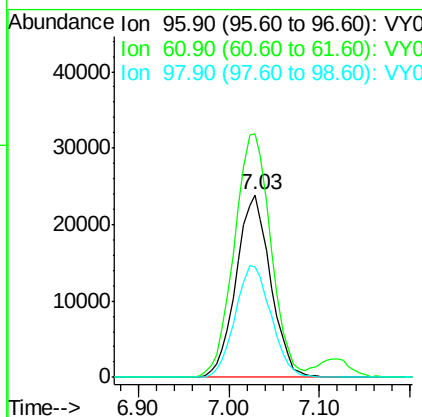
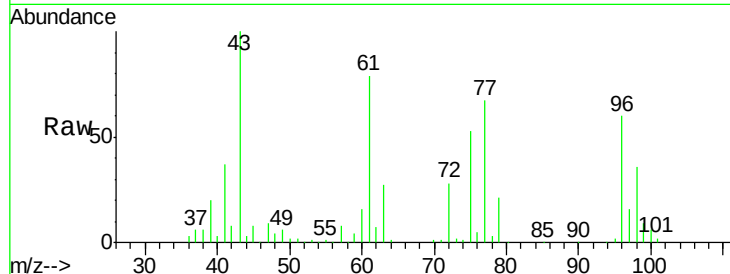
cis-1,2-Dichloroethene
Concen: 22.136 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	278.8
98	63.9	0.0	128.8

Manual Integrations
APPROVED

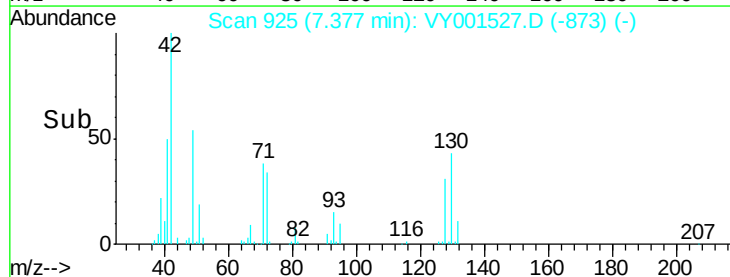
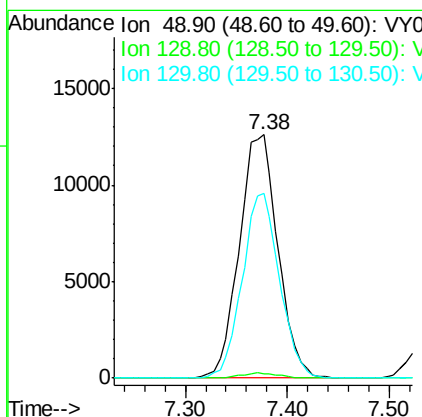
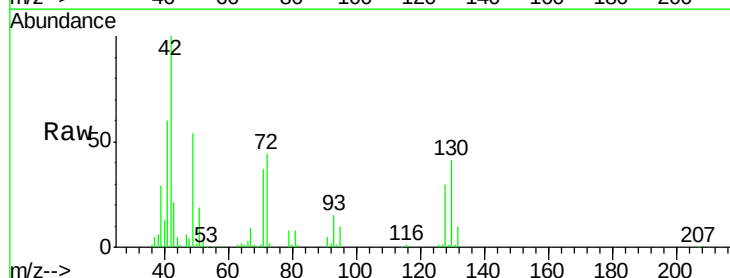
MMDadoda
2/7/2020 4:50:48 PM

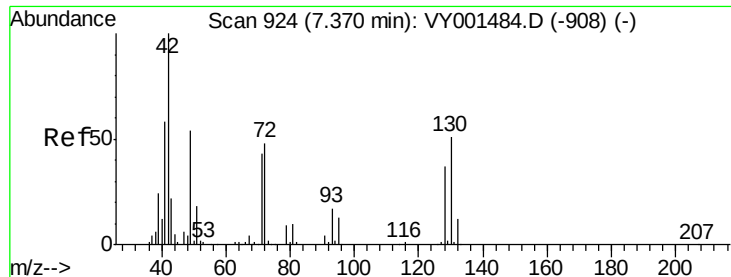


#28

Bromochloromethane
Concen: 22.774 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.02 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.8
130	73.2	65.4	98.2





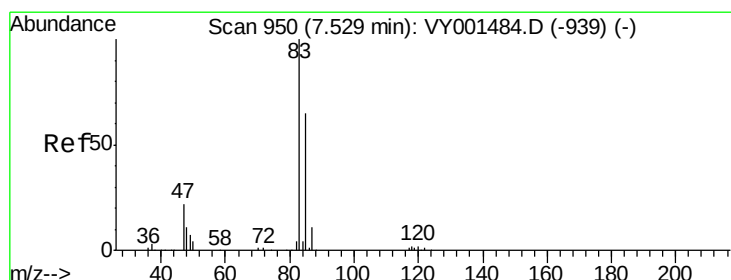
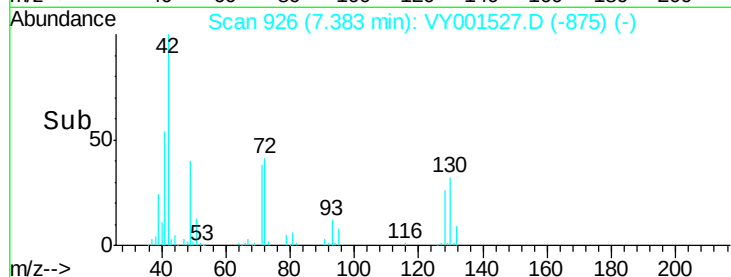
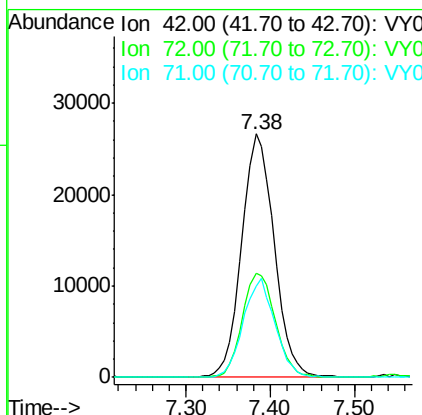
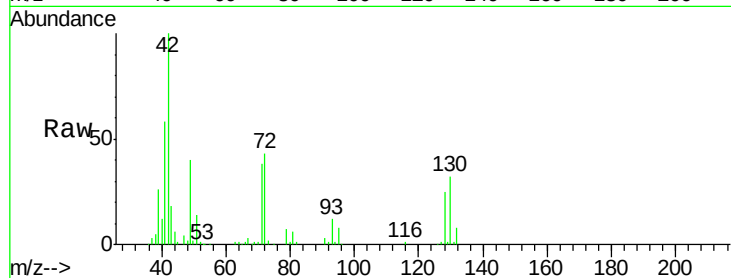
#29
Tetrahydrofuran
Concen: 138.146 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	37.8	56.6
71	39.5	34.8	52.2

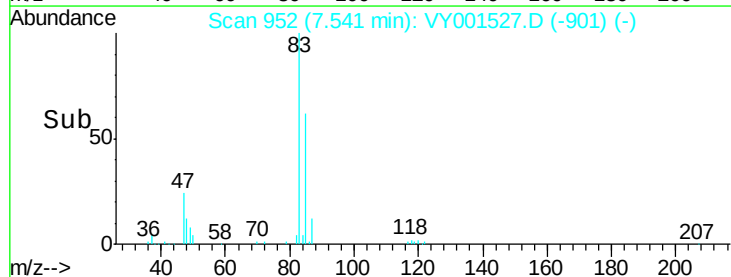
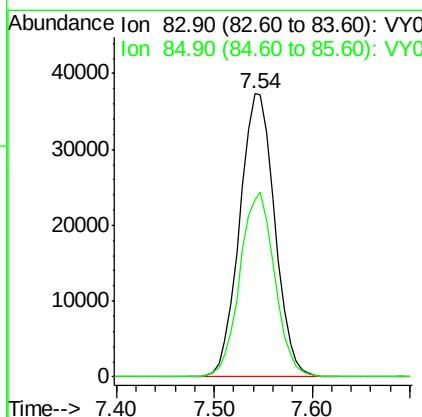
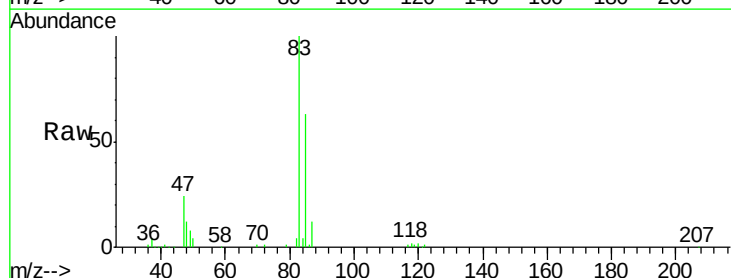
Manual Integrations
APPROVED

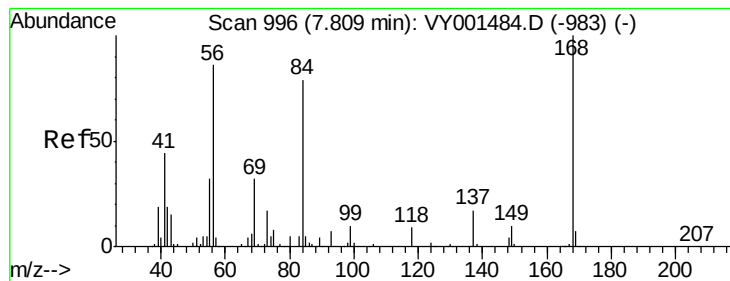
MMDadoda
2/7/2020 4:50:48 PM



#30
Chloroform
Concen: 21.444 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.4	78.6





#31

Cyclohexane

Concen: 22.806 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

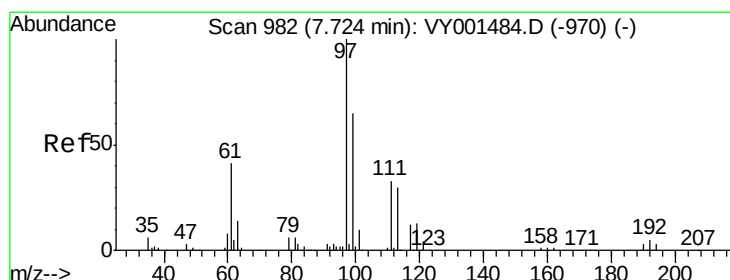
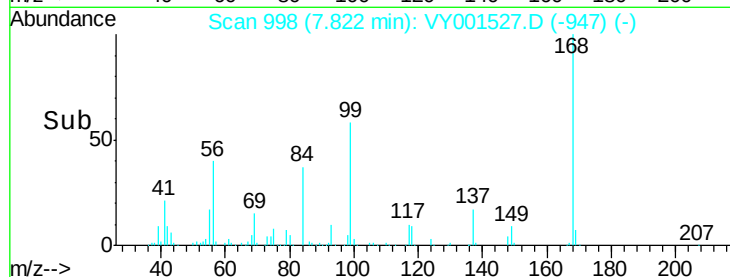
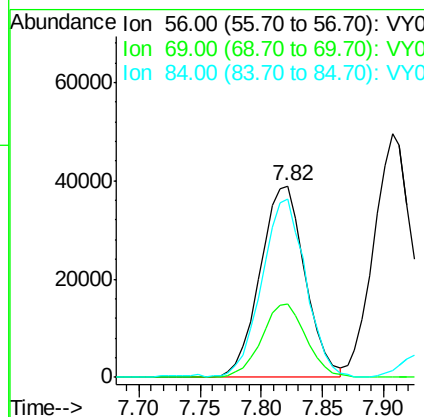
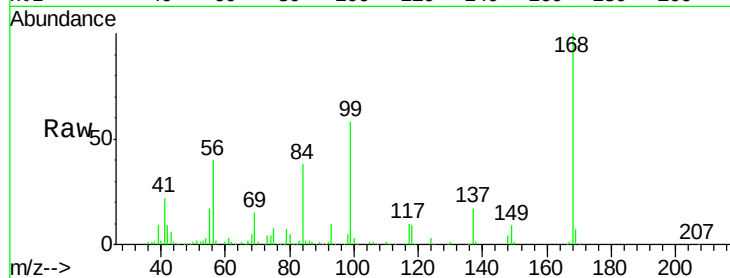
ClientSampleId :

VY0206SBS01

Tot Ion:	56	Resp:	99754
Ion Ratio	Lower	Upper	
56	100		
69	38.4	29.6	44.4
84	92.4	73.6	110.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.904 ug/l

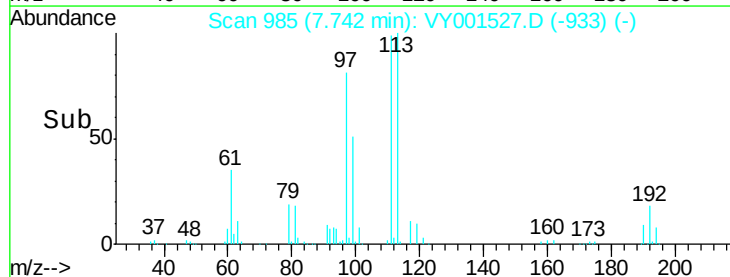
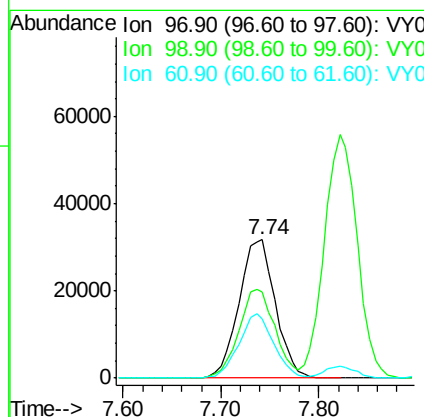
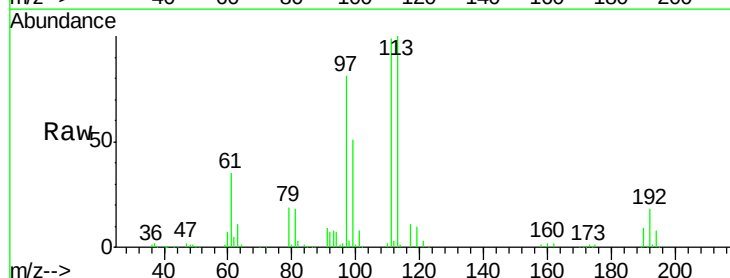
RT: 7.74 min Scan# 985

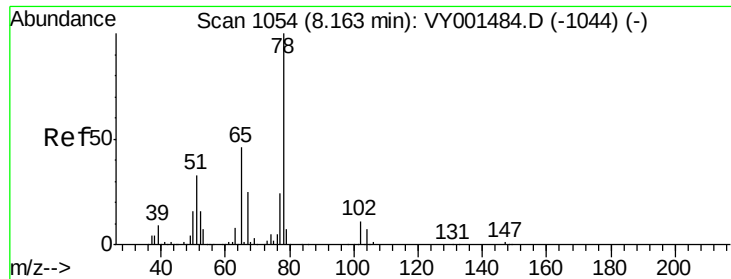
Delta R.T. 0.02 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tgt Ion:	97	Resp:	82090
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.8	77.8
61	44.4	32.5	48.7





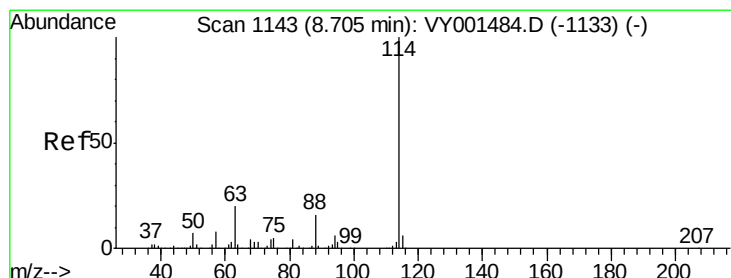
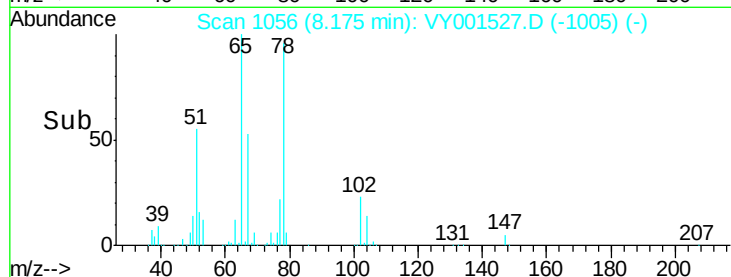
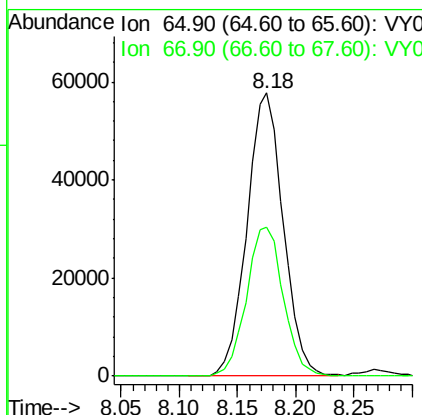
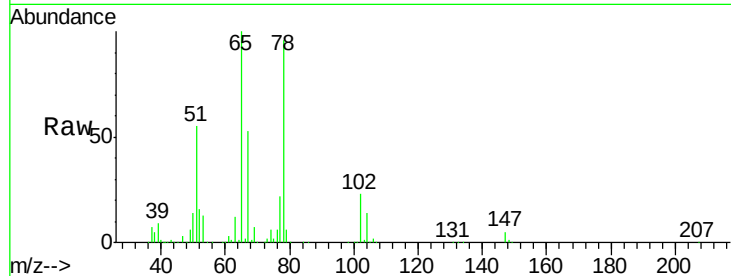
#33
 1,2-Dichloroethane-d4
 Concen: 55.830 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	125409		
67	53.5	0.0	108.6	

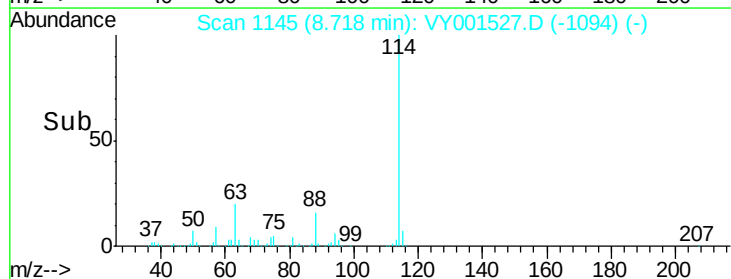
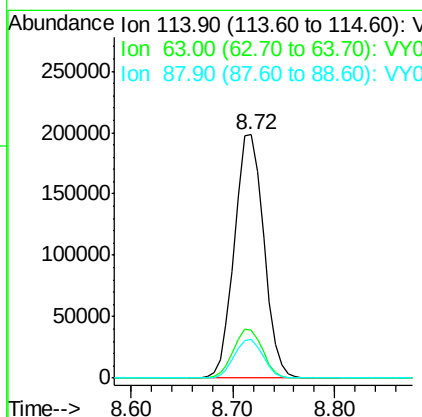
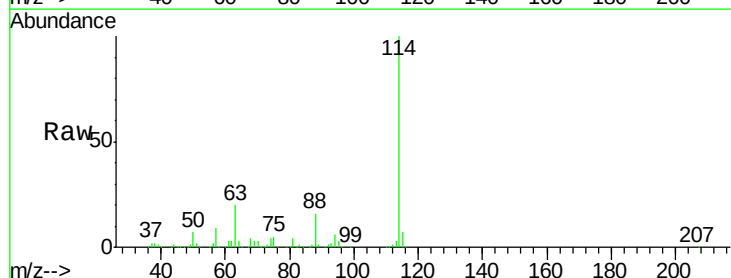
Manual Integrations
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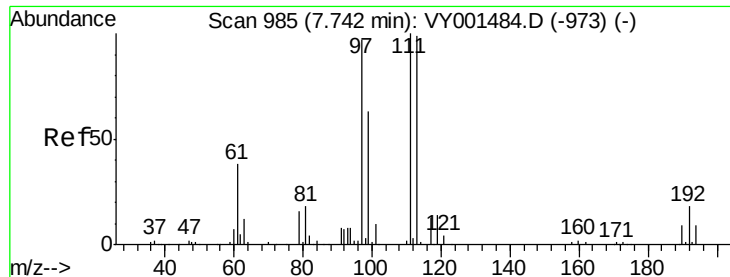
MMDadoda
 2/7/2020 4:50:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	395592		
63	19.8	0.0	39.8	
88	15.8	0.0	32.6	





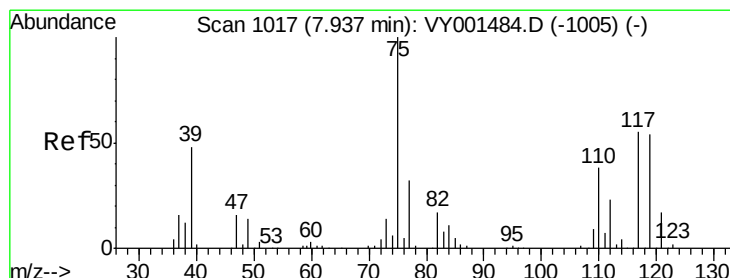
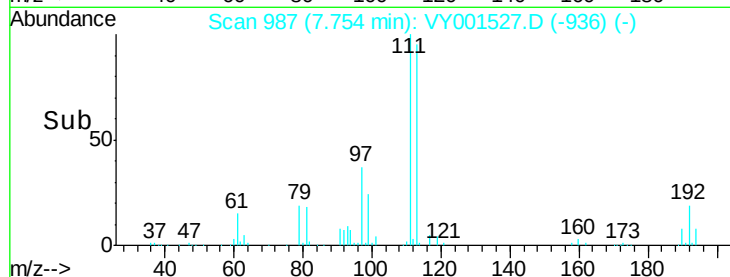
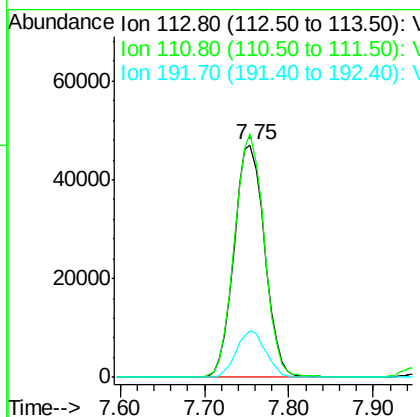
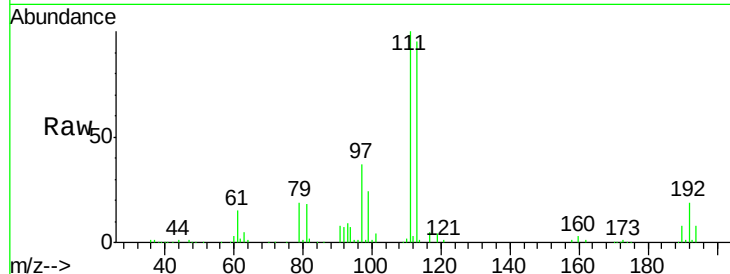
#35
Dibromofluoromethane
Concen: 50.542 ug/l
RT: 7.75 min Scan# 987
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	115295		
111	101.7	82.9	124.3	
192	19.3	14.6	22.0	

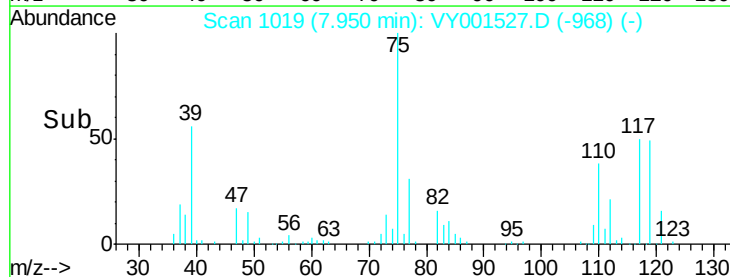
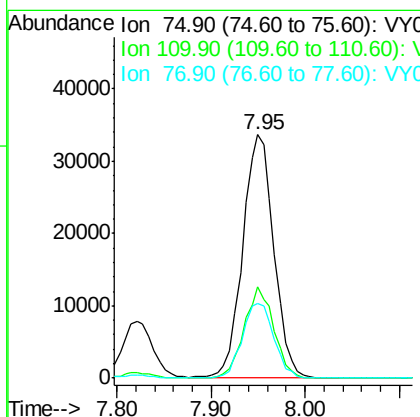
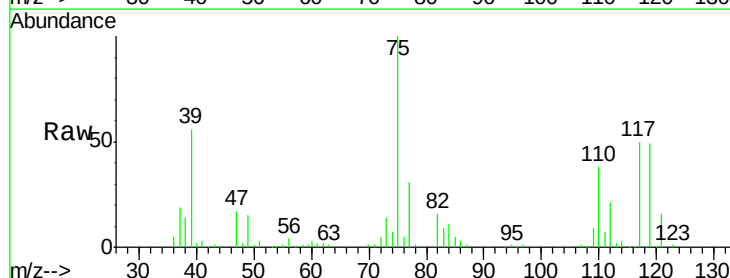
Manual Integrations
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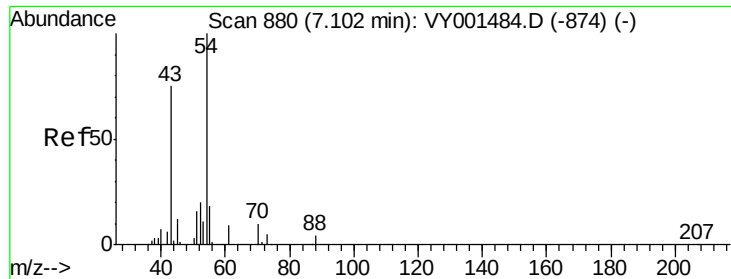
MMDadoda
2/7/2020 4:50:48 PM



#36
1,1-Dichloropropene
Concen: 21.536 ug/l
RT: 7.95 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77938		
110	35.6	18.2	54.6	
77	31.4	25.0	37.4	





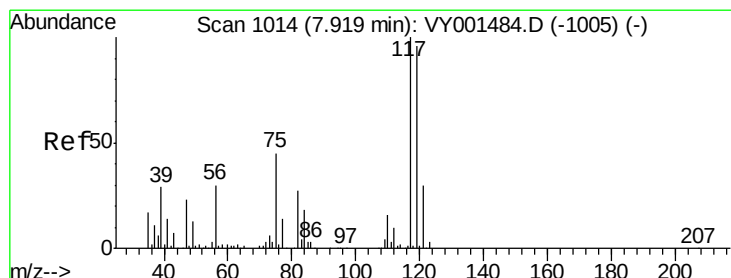
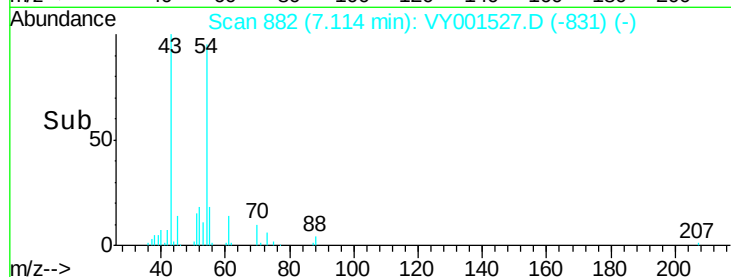
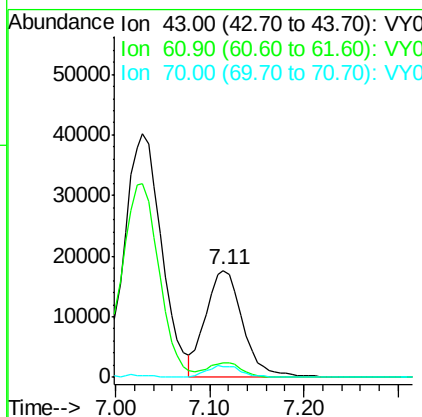
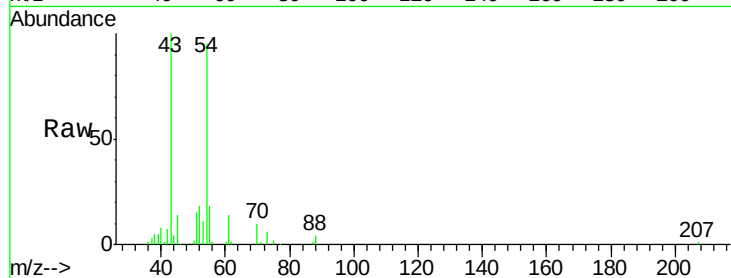
#37
Ethyl Acetate
Concen: 27.310 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	12.0	18.0
70	10.3	10.2	15.4

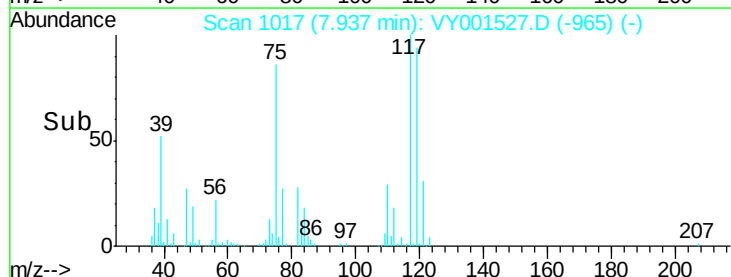
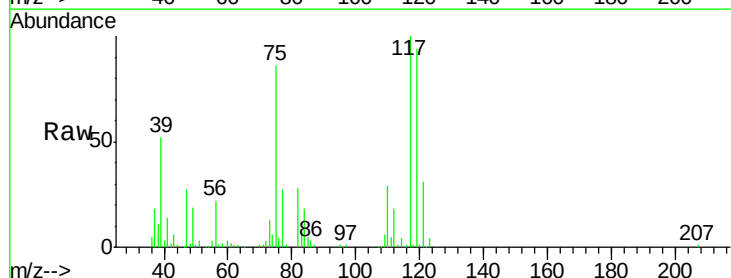
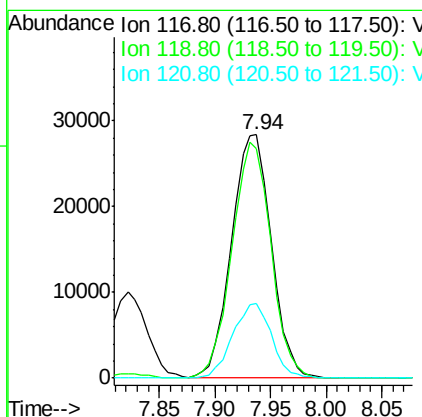
Manual Integrations
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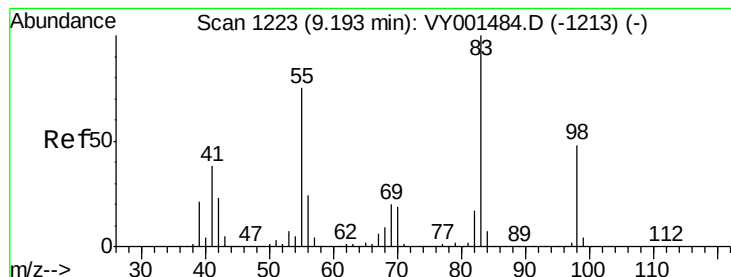
MMDadoda
2/7/2020 4:50:48 PM



#38
Carbon Tetrachloride
Concen: 20.182 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.4	114.6
121	30.7	24.2	36.4





#39

Methylvlcyclohexane

Concen: 21.510 ug/l

RT: 9.21 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 83 Resp: 102499

Ion Ratio Lower Upper

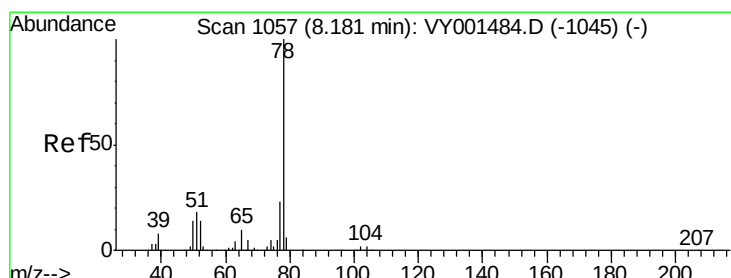
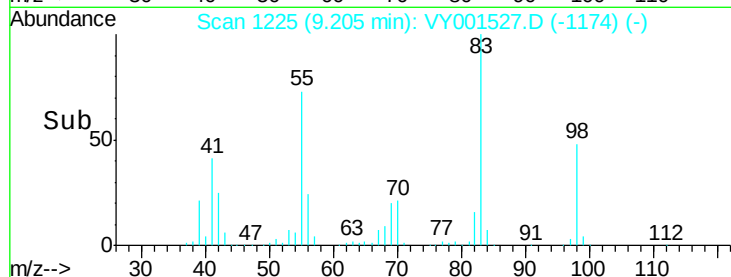
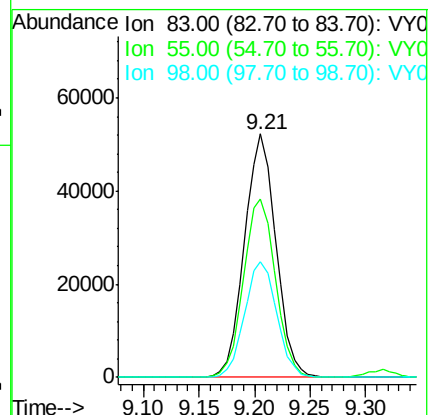
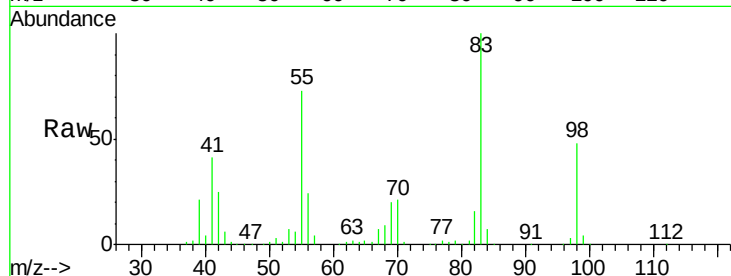
83 100

55 73.5 59.8 89.6

98 47.6 38.6 57.8

Manual Integrations
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2/7/2020 4:50:48 PM



#40

Benzene

Concen: 21.881 ug/l

RT: 8.19 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VY001527.D

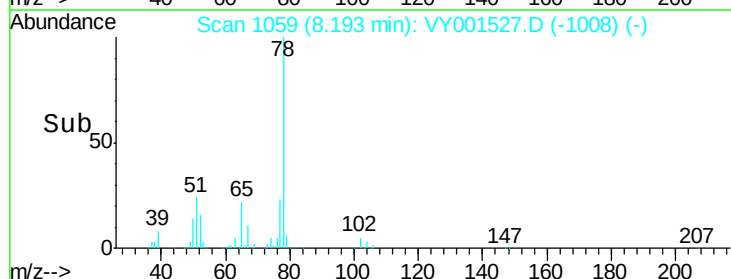
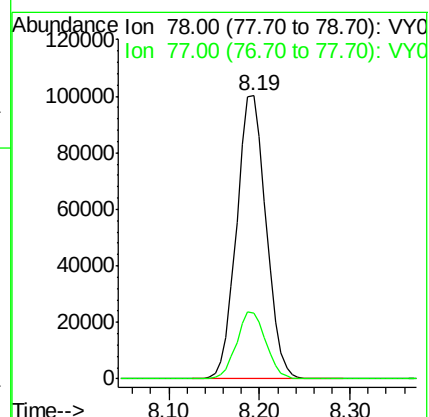
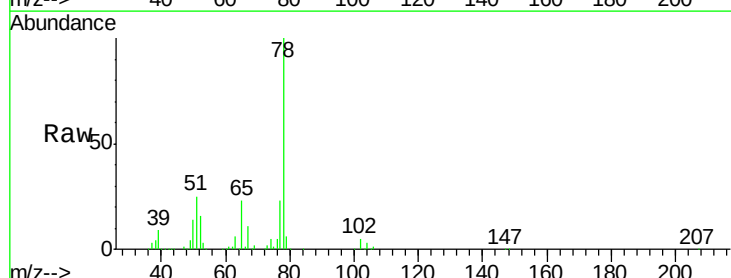
Acq: 06 Feb 2020 13:58

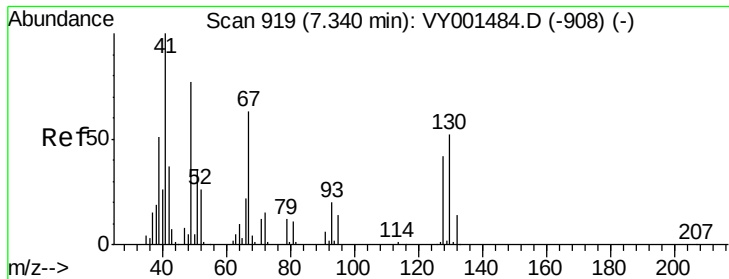
Tgt Ion: 78 Resp: 225860

Ion Ratio Lower Upper

78 100

77 23.2 18.5 27.7





#41

Methacrylonitrile

Concen: 29.451 ug/l m

RT: 7.35 min Scan# 921

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

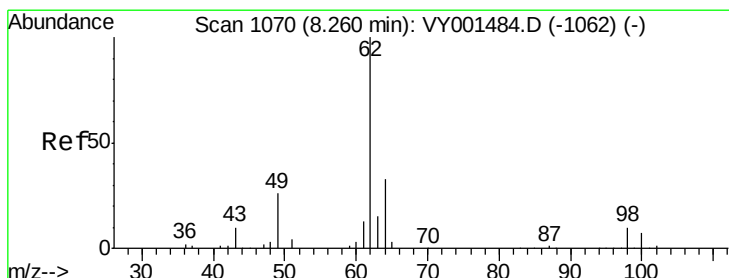
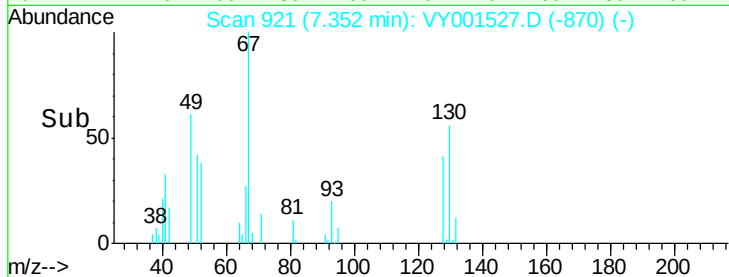
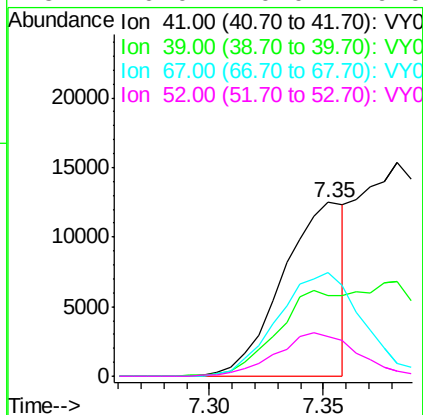
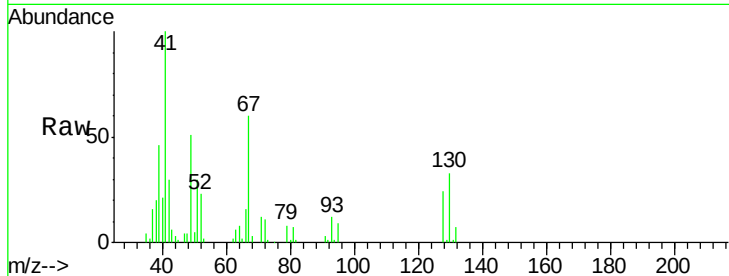
ClientSampleId :

VY0206SBS01

Tot Ion	41	Resp	23913
Ion	Ratio	Lower	Upper
41	100		
39	0.0	116.8	175.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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2/7/2020 4:50:48 PM



#42

1,2-Dichloroethane

Concen: 22.415 ug/l

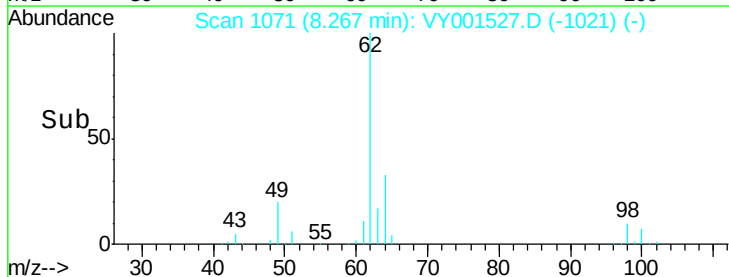
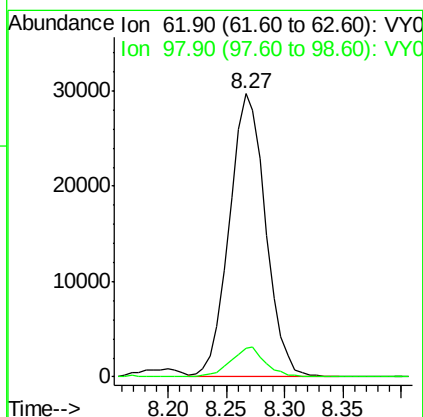
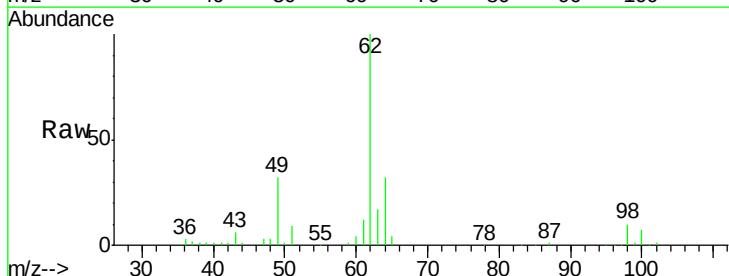
RT: 8.27 min Scan# 1071

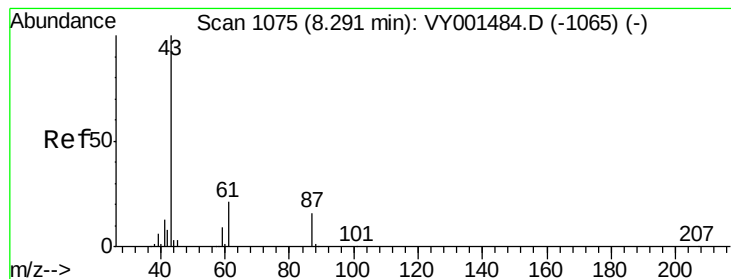
Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tgt Ion	62	Resp	64460
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	21.0





#43

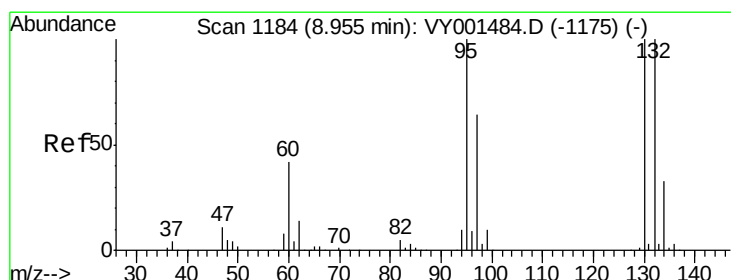
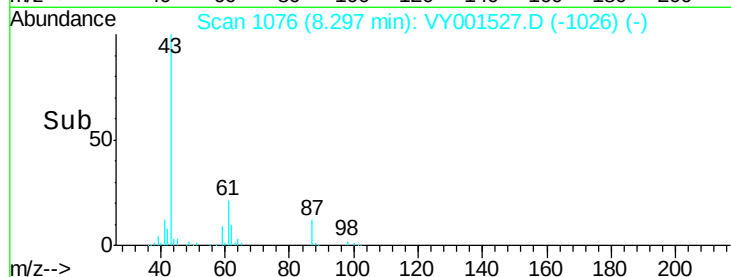
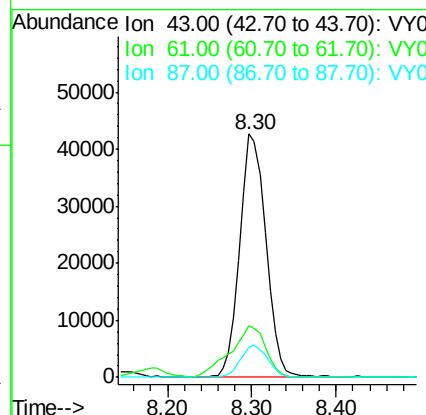
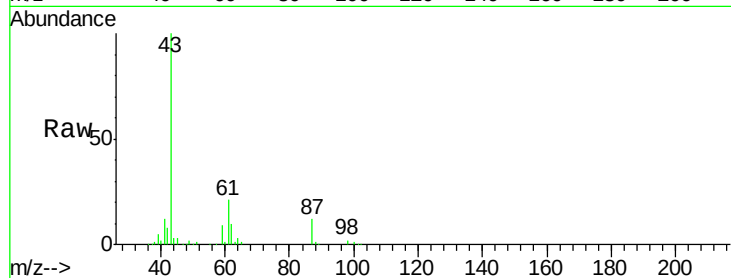
Isopropyl Acetate
 Concen: 25.886 ug/l
 RT: 8.30 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	25.1	37.7
87	13.4	12.6	19.0

Manual Integrations
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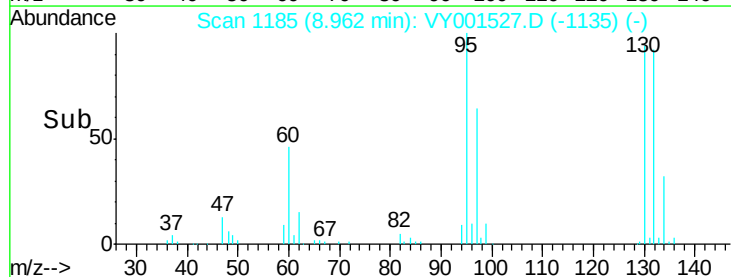
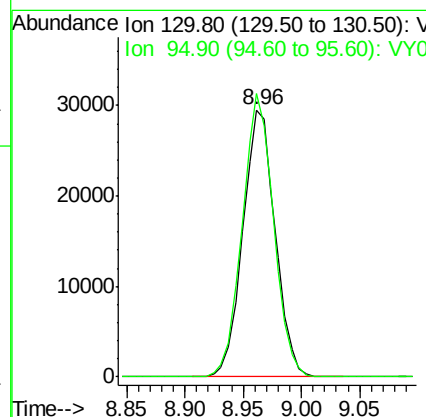
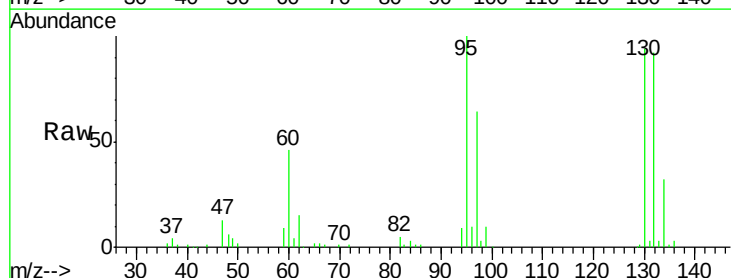
MMDadoda
 2/7/2020 4:50:48 PM

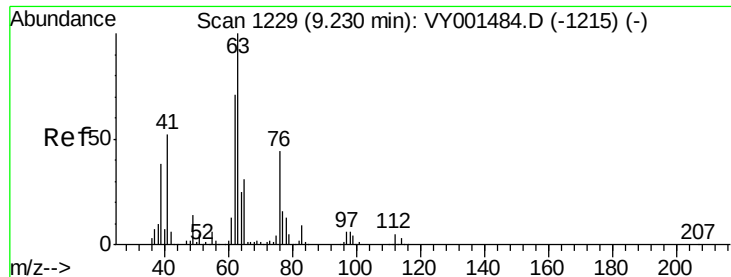


#44

Trichloroethene
 Concen: 20.533 ug/l
 RT: 8.96 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	199.2





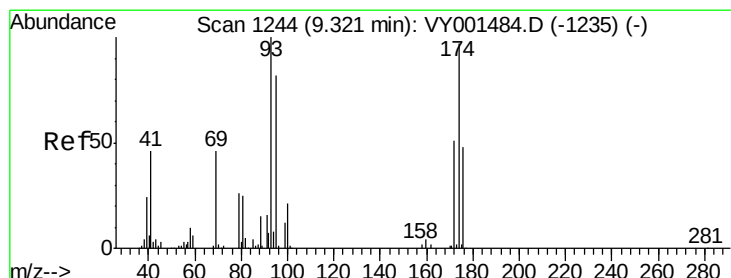
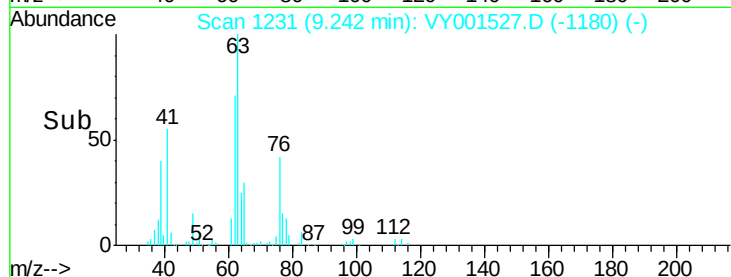
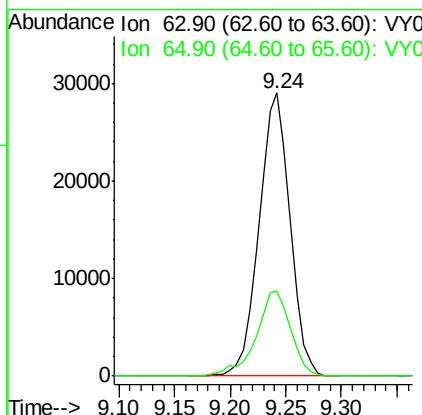
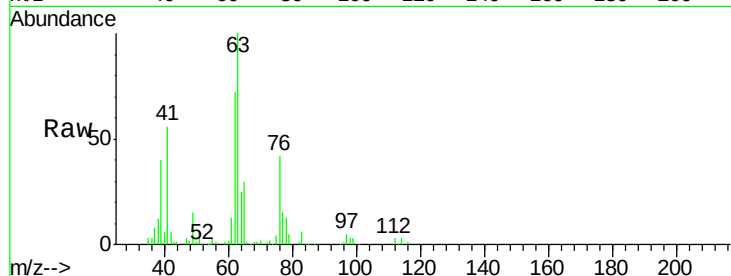
#45
 1,2-Dichloropropane
 Concen: 22.569 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	25.0	37.4

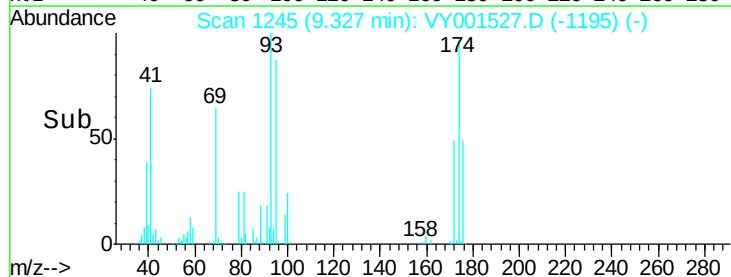
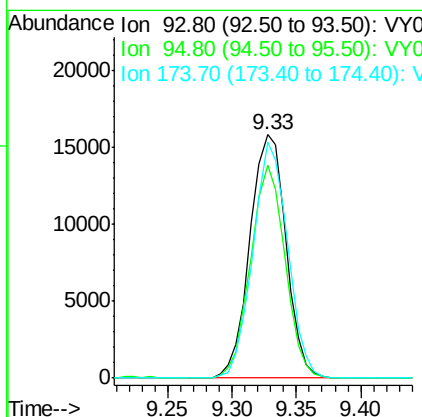
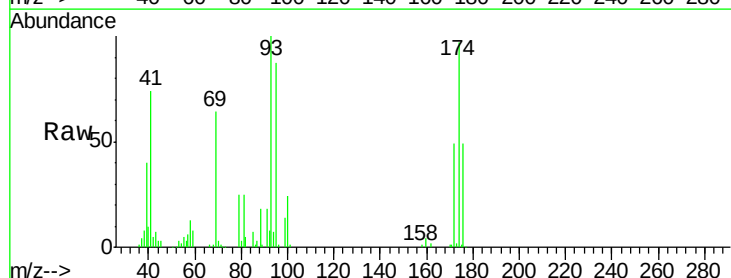
Manual Integrations
 APPROVED

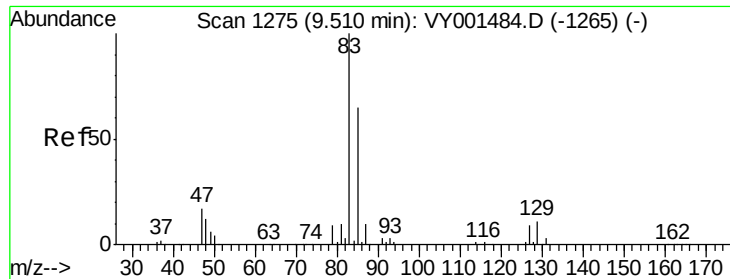
MMDadoda
 2/7/2020 4:50:48 PM



#46
 Dibromomethane
 Concen: 21.862 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.6	99.8
174	93.5	75.4	113.2





#47

Bromodichloromethane

Concen: 21.343 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

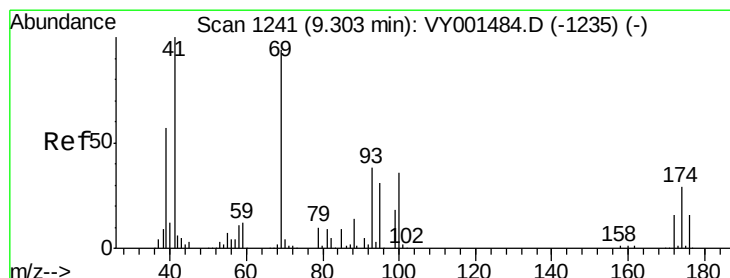
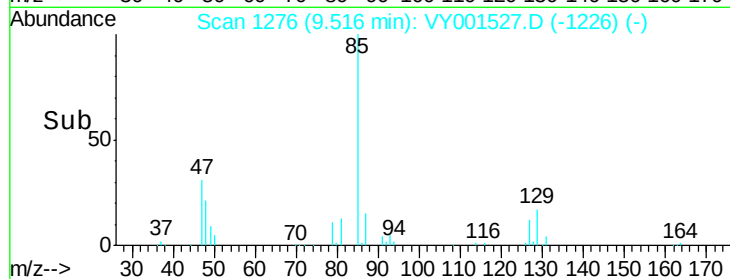
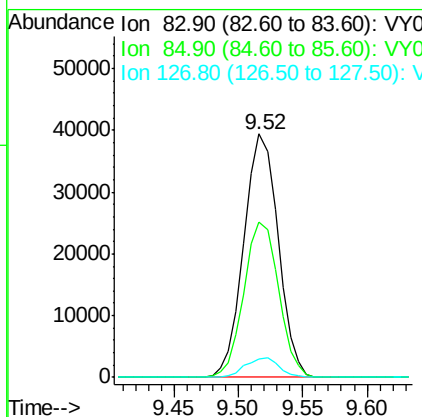
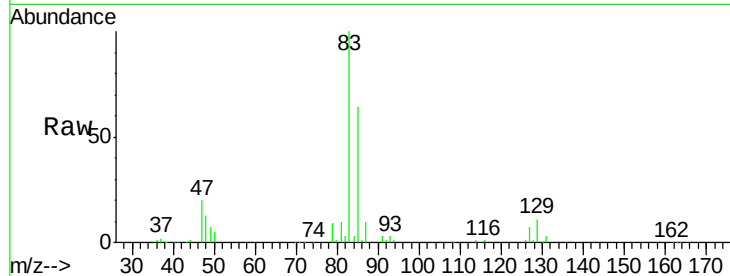
ClientSampleId :

VY0206SBS01

Tot Ion:	83	Resp:	72785
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.9	77.9
127	7.4	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
2/7/2020 4:50:48 PM



#48

Methyl methacrylate

Concen: 25.939 ug/l

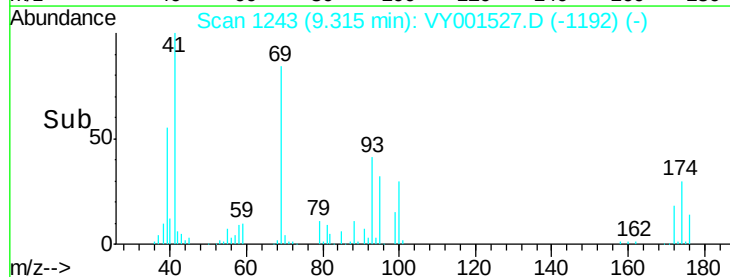
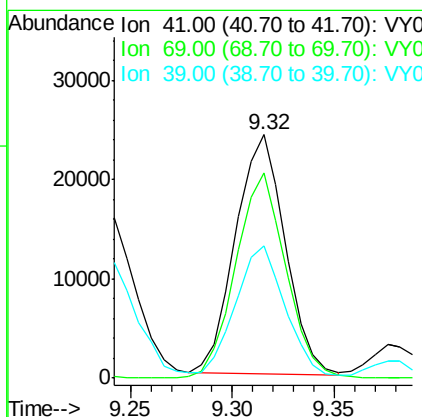
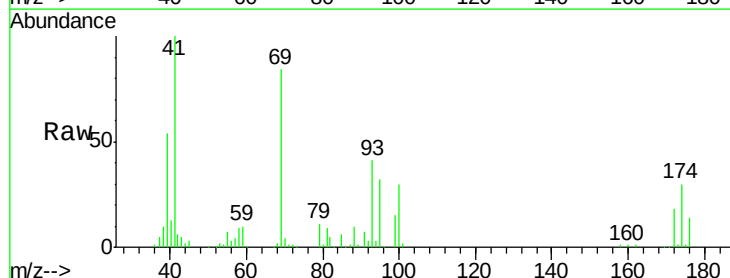
RT: 9.32 min Scan# 1243

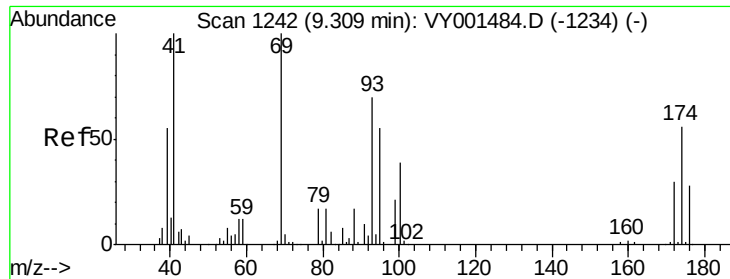
Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tgt Ion:	41	Resp:	40836
Ion Ratio	Lower	Upper	
41	100		
69	86.3	76.6	114.8
39	56.6	45.4	68.0





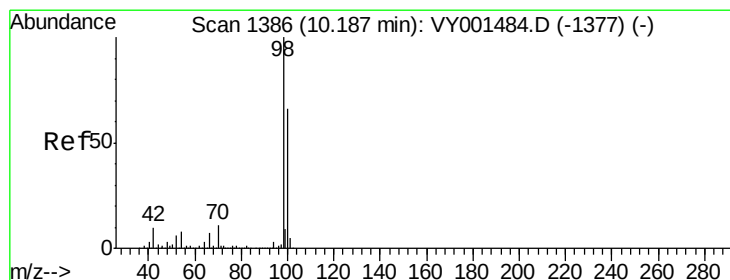
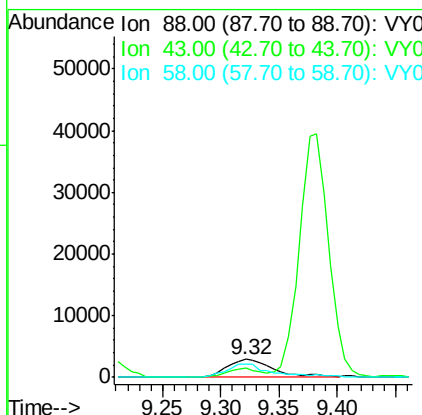
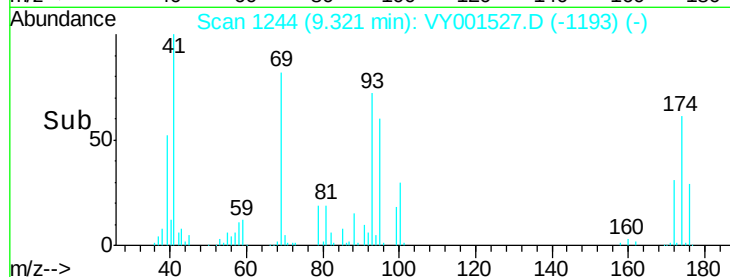
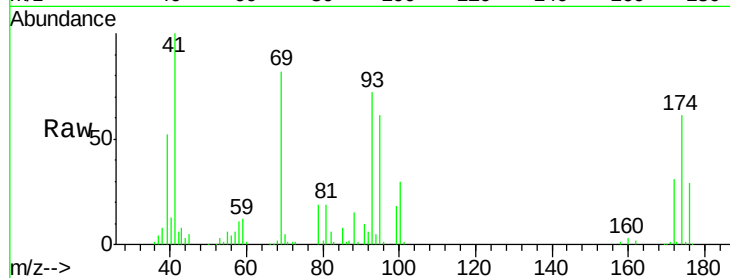
#49
1,4-Dioxane
Concen: 440.261 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	88	Resp	8138
Ion	Ratio	Lower	Upper
88	100		
43	34.8	24.8	37.2
58	75.1	59.3	88.9

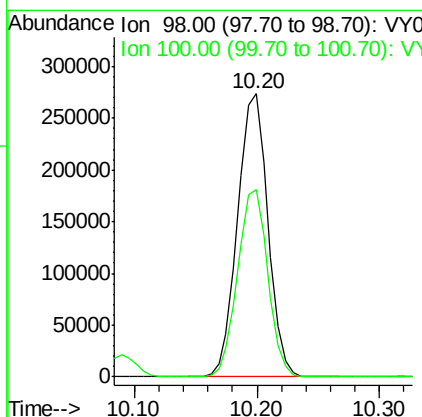
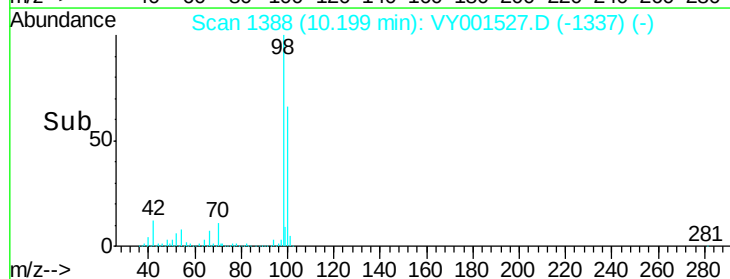
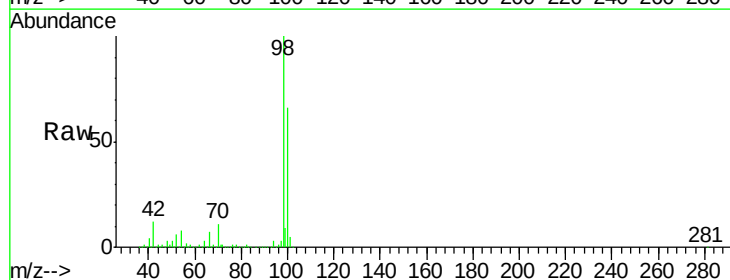
Manual Integrations
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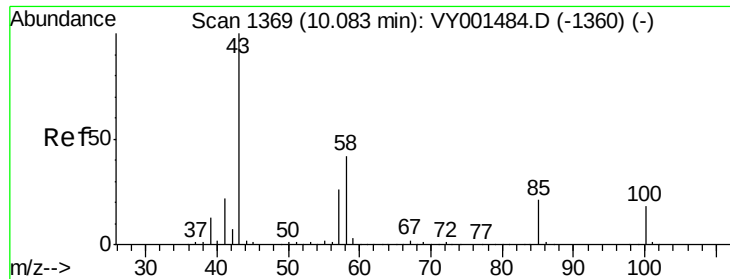
MMDadoda
2/7/2020 4:50:48 PM



#50
Toluene-d8
Concen: 54.461 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Tgt Ion	98	Resp	470033
Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.6





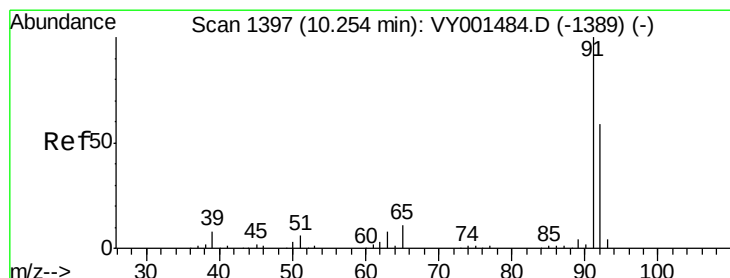
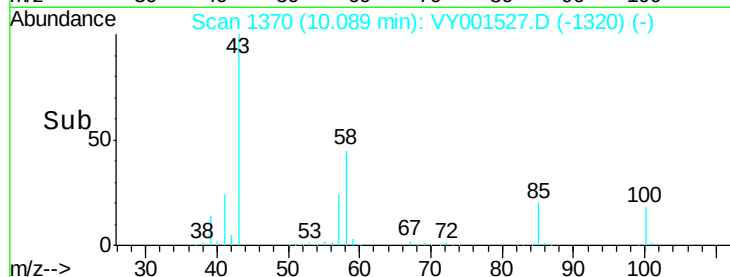
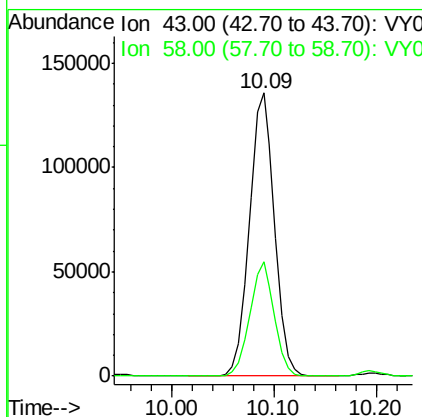
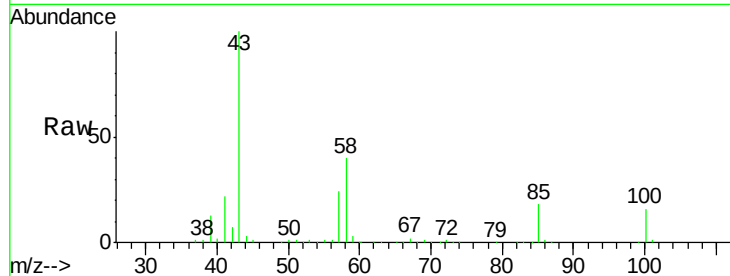
#51
4-Methyl-2-Pentanone
Concen: 135.746 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	33.9	50.9

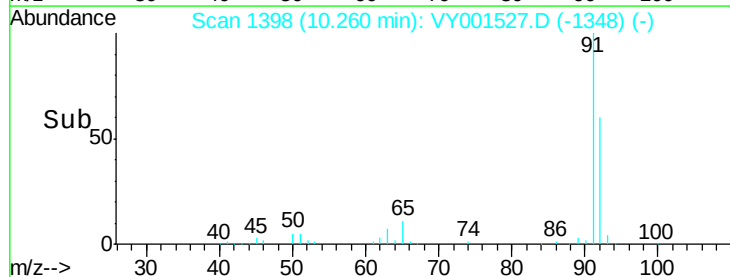
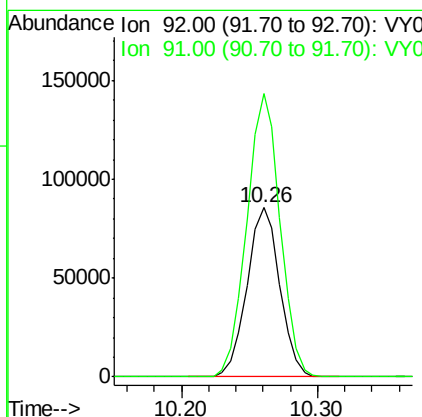
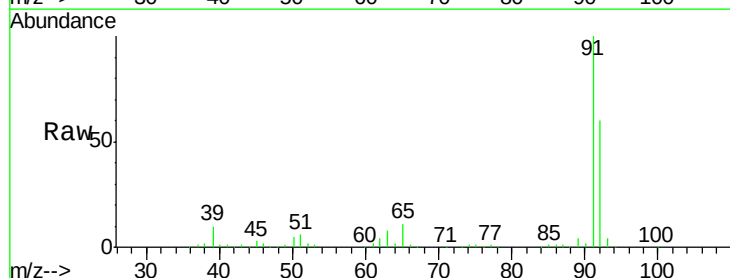
Manual Integrations
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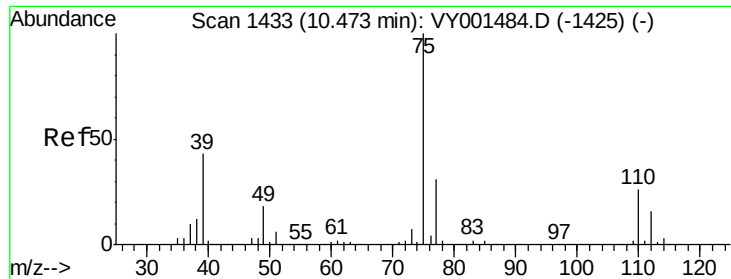
MMDadoda
2/7/2020 4:50:48 PM



#52
Toluene
Concen: 22.099 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.6	204.8





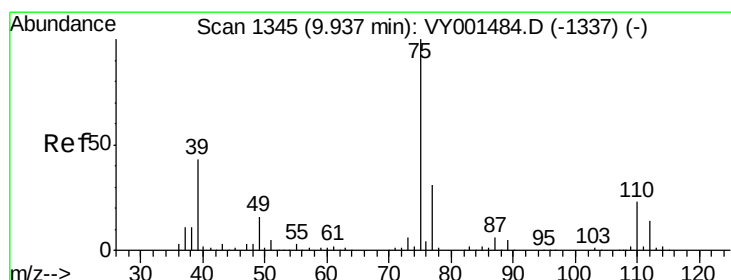
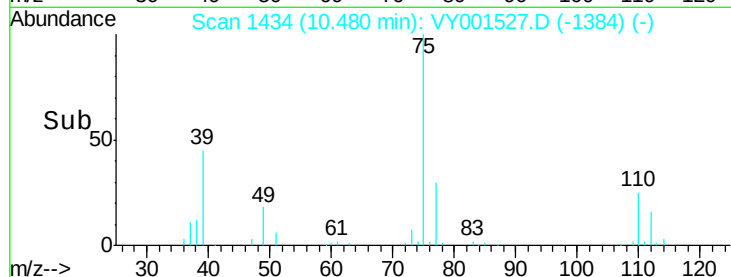
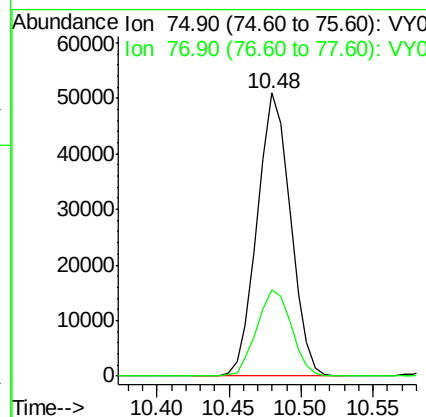
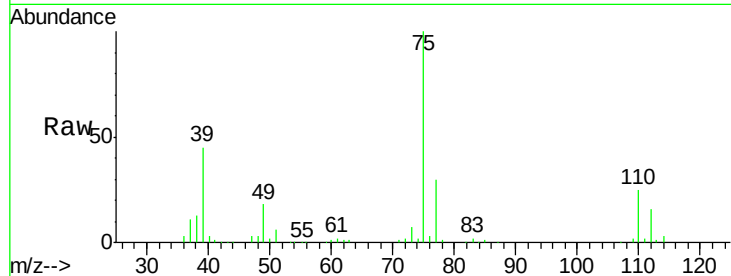
#53
t-1,3-Dichloropropene
Concen: 21.941 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	75	Resp	81499
Ion Ratio	Lower	Upper	
75	100		
77	30.4	24.9	37.3

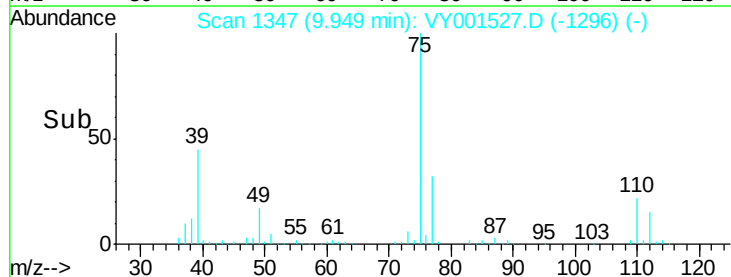
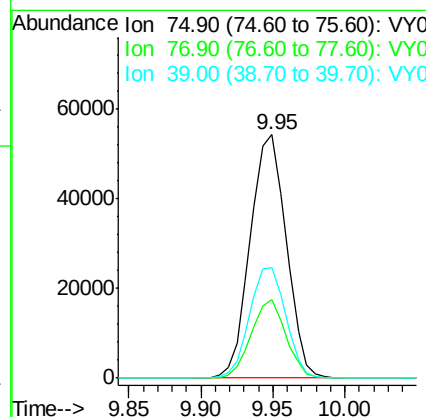
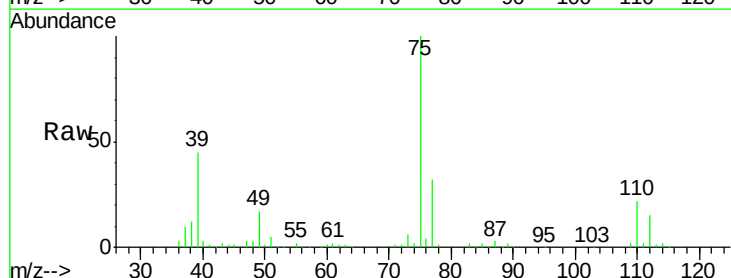
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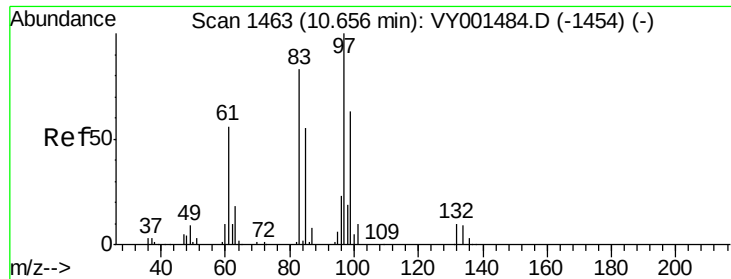
MMDadoda
2/7/2020 4:50:48 PM



#54
cis-1,3-Dichloropropene
Concen: 22.109 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Tgt Ion	75	Resp	94282
Ion Ratio	Lower	Upper	
75	100		
77	32.4	24.7	37.1
39	45.2	34.0	51.0





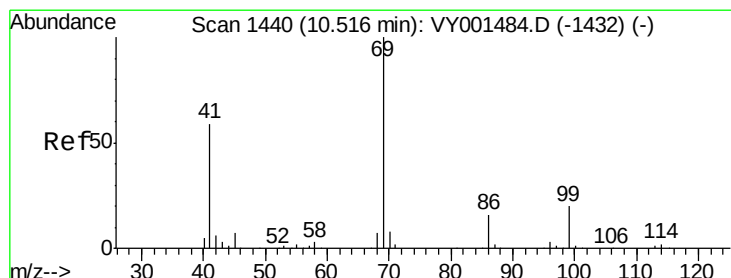
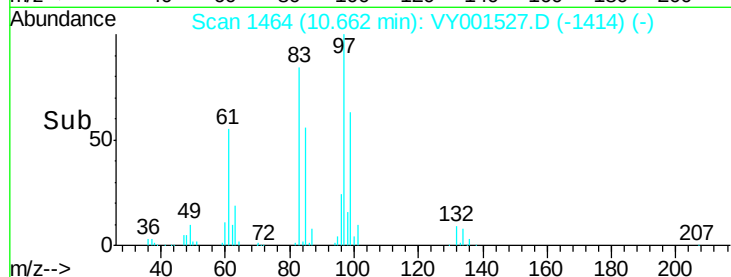
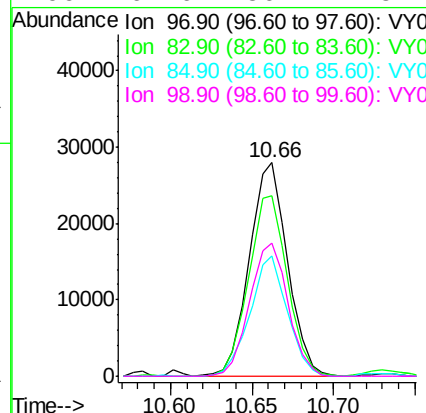
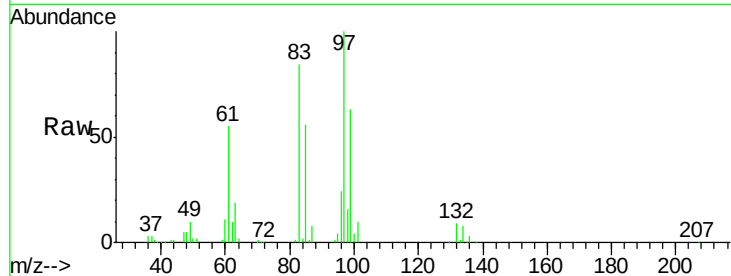
#55
 1,1,2-Trichloroethane
 Concen: 22.668 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		45520		
83	84.3	66.2	99.2		
85	56.2	43.8	65.6		
99	62.6	50.1	75.1		

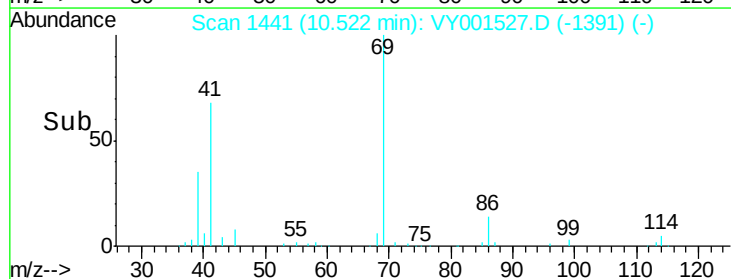
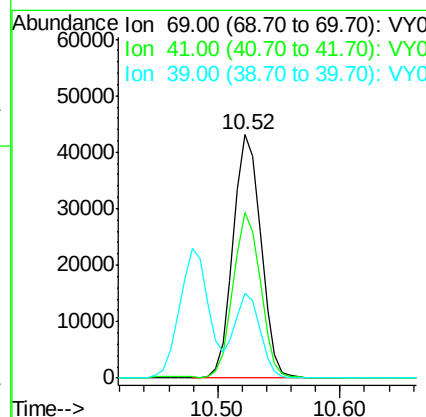
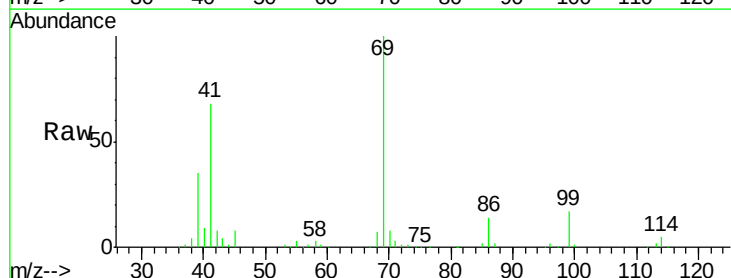
Manual Integrations
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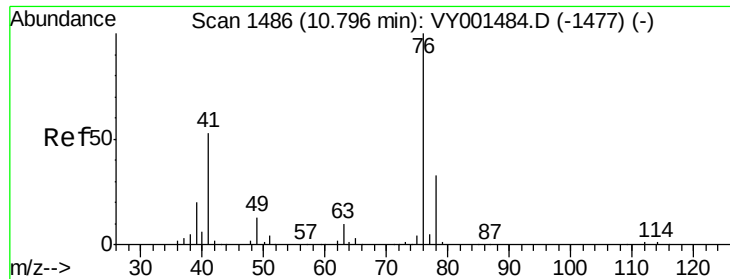
MMDadoda
 2/7/2020 4:50:48 PM



#56
 Ethyl methacrylate
 Concen: 23.739 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		67804		
41	66.8	47.8	71.8		
39	32.4	24.4	36.6		





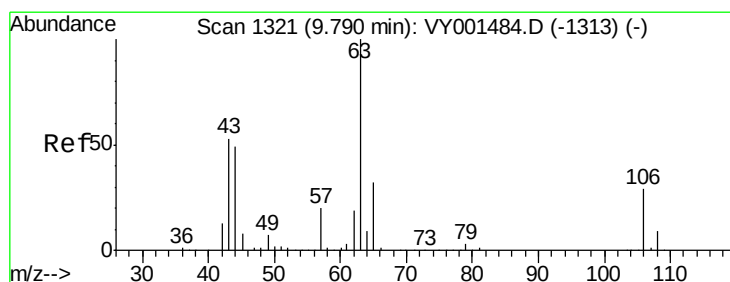
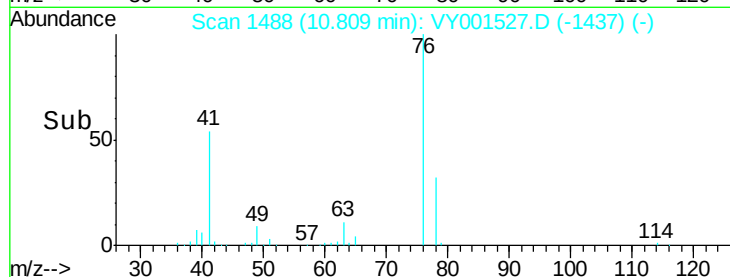
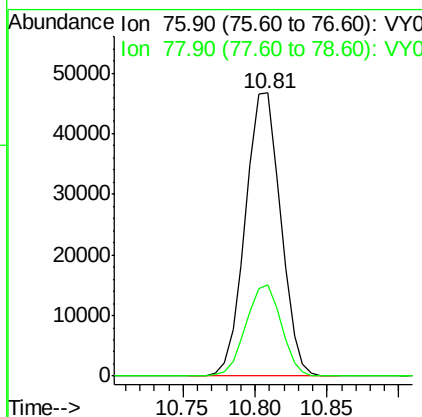
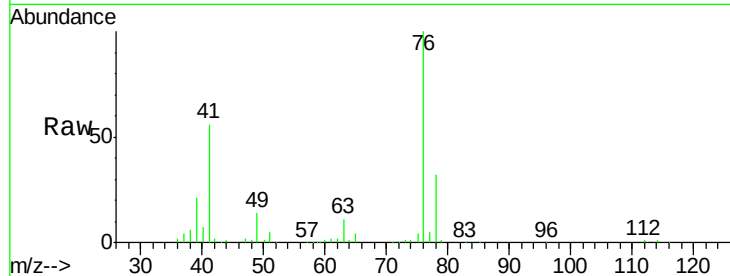
#57
 1,3-Dichloropropane
 Concen: 22.391 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Tot Ion: 76 Resp: 79264
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

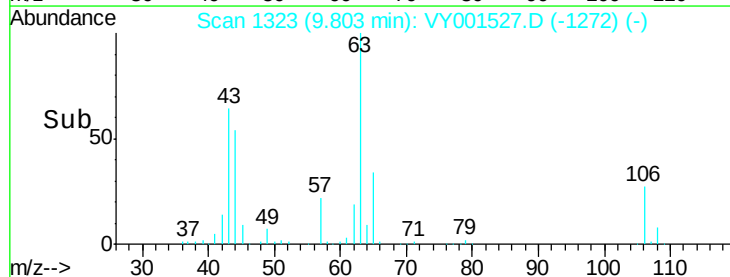
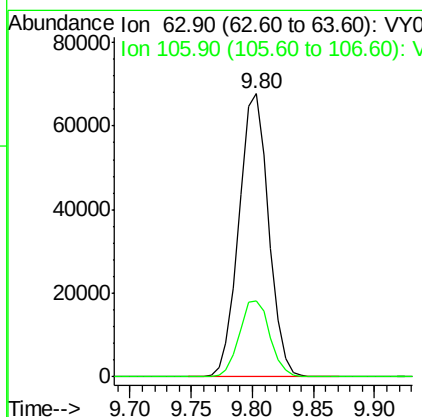
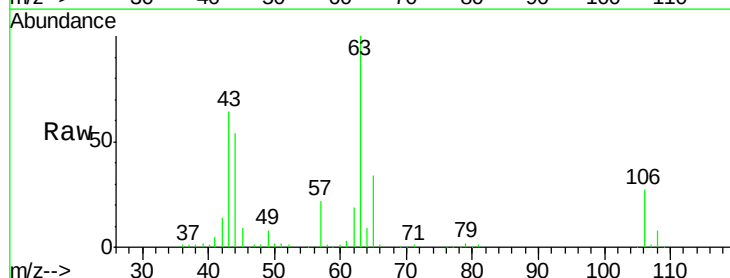
Manual Integrations
 APPROVED

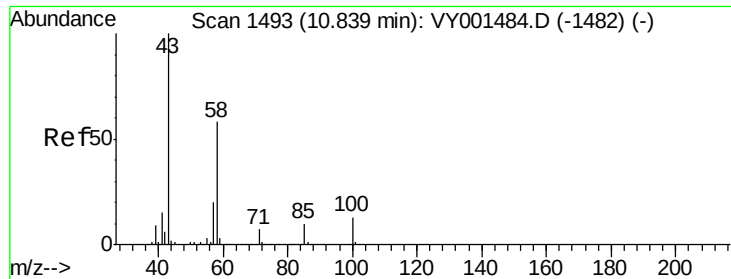
MMDadoda
 2/7/2020 4:50:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.591 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Tgt Ion: 63 Resp: 114101
 Ion Ratio Lower Upper
 63 100
 106 27.8 24.0 36.0





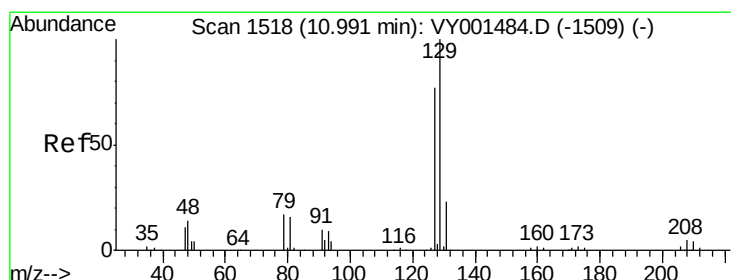
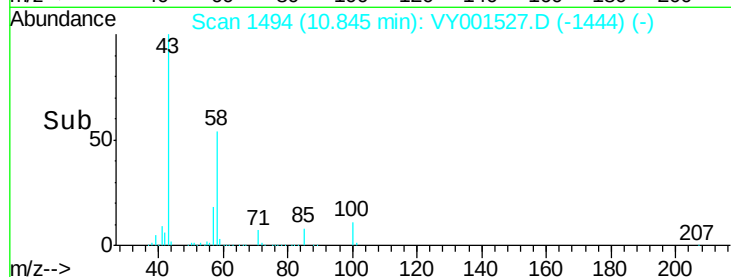
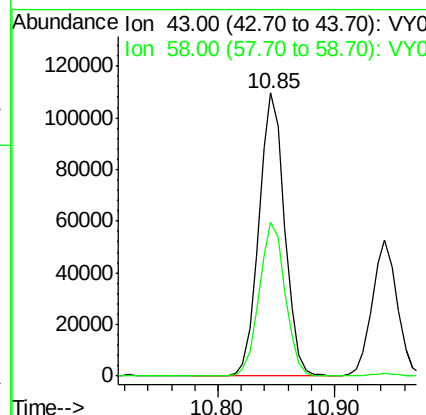
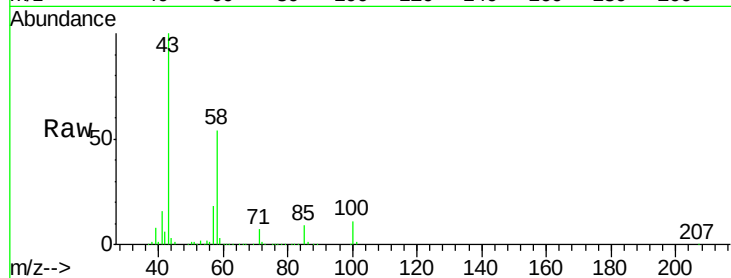
#59
2-Hexanone
Concen: 135.861 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBSD01

Tot Ion: 43 Resp: 168743
Ion Ratio Lower Upper
43 100
58 55.0 29.0 87.0

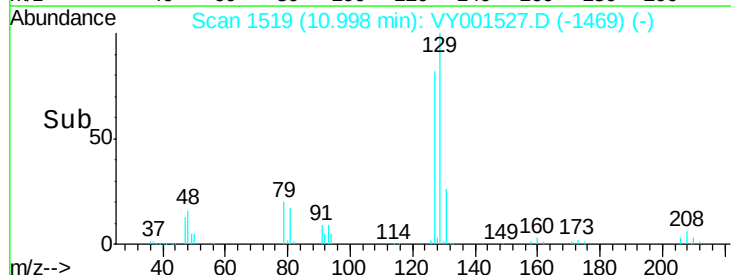
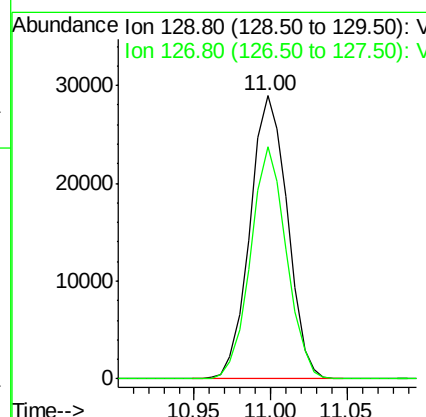
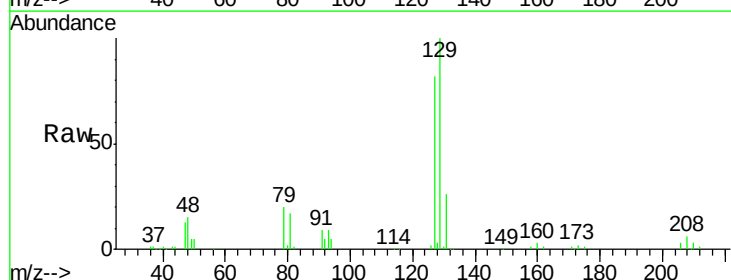
Manual Integrations
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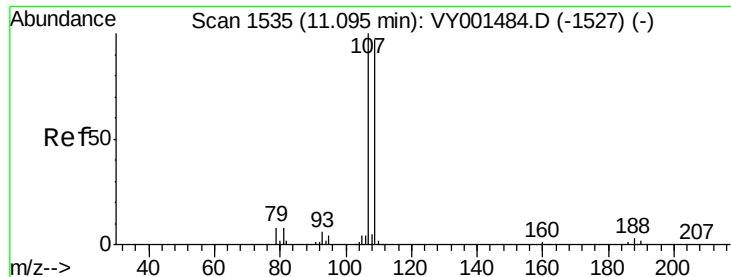
MMDadoda
2/7/2020 4:50:48 PM



#60
Dibromochloromethane
Concen: 20.843 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Tgt Ion: 129 Resp: 49337
Ion Ratio Lower Upper
129 100
127 78.6 38.9 116.6





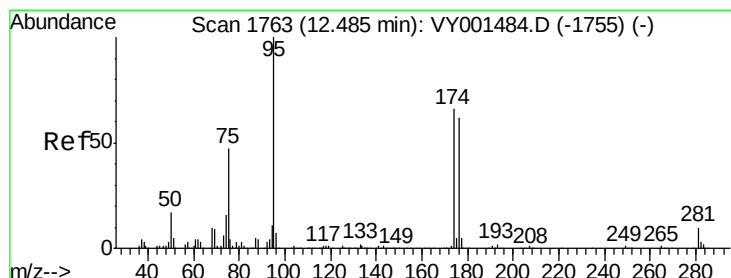
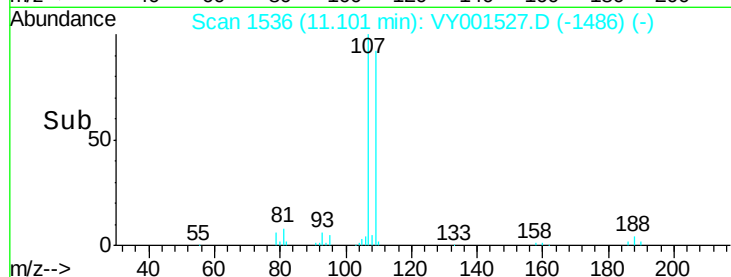
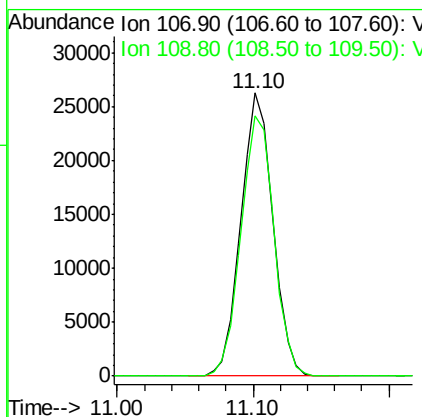
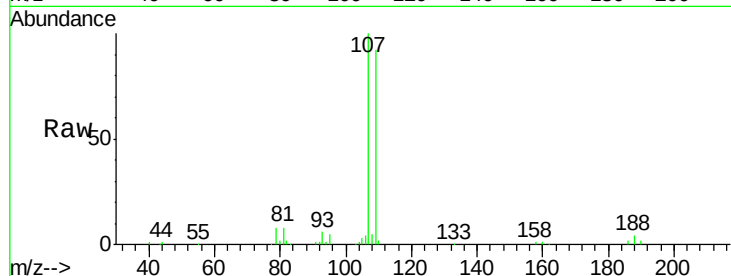
#61
 1,2-Dibromoethane
 Concen: 21.865 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBSD01

Tot Ion: 107 Resp: 43247
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.2 114.2

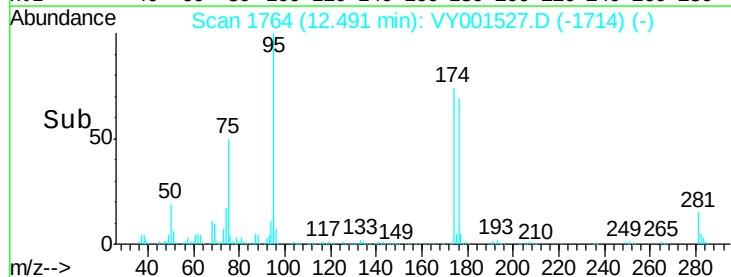
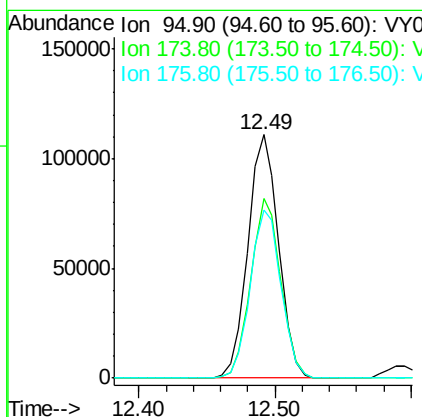
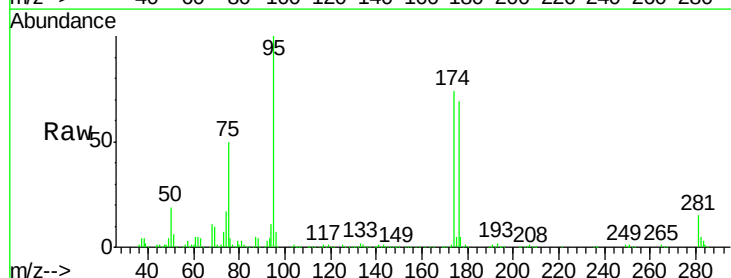
Manual Integrations
 APPROVED

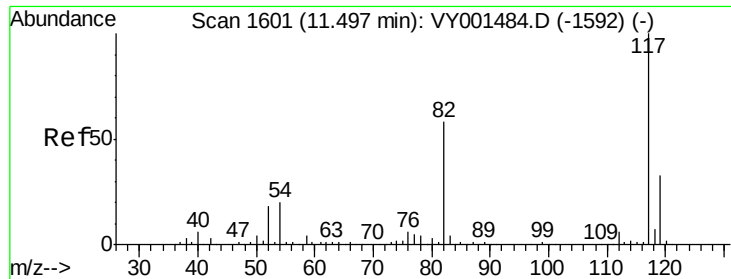
MMDadoda
 2/7/2020 4:50:48 PM



#62
 4-Bromofluorobenzene
 Concen: 51.448 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Tgt Ion: 95 Resp: 174923
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 141.4
 176 69.4 0.0 135.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

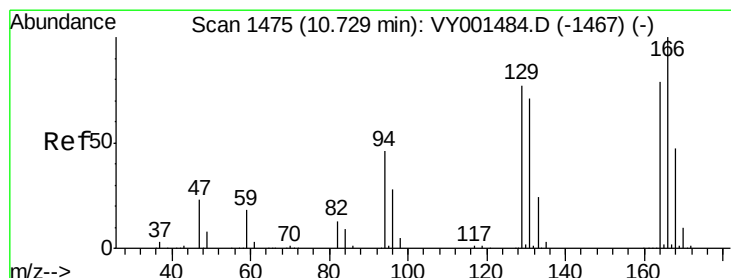
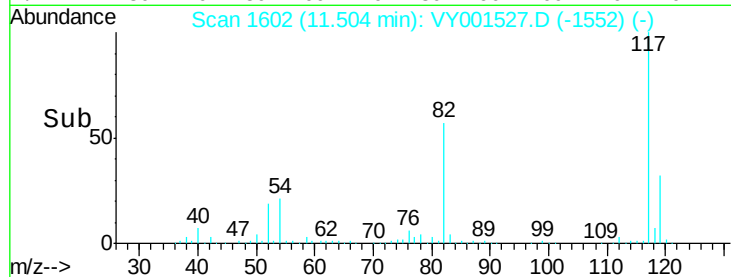
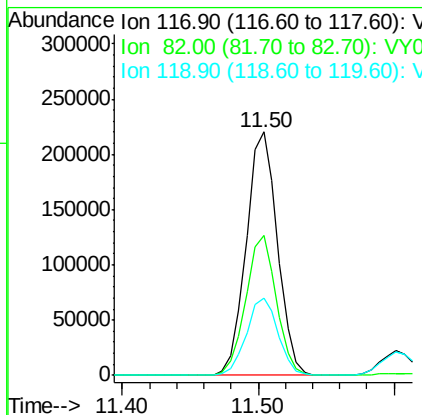
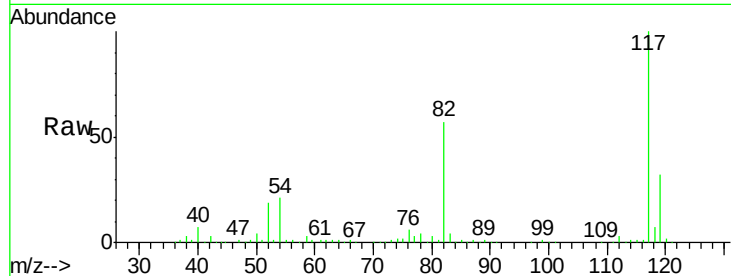
ClientSampleId :

VY0206SBSD01

Tot Ion:	117	Resp:	354121
Ion Ratio	Lower	Upper	
117	100		
82	57.3	46.1	69.1
119	31.8	26.1	39.1

Manual Integrations
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2/7/2020 4:50:48 PM



#64

Tetrachloroethene

Concen: 20.458 ug/l

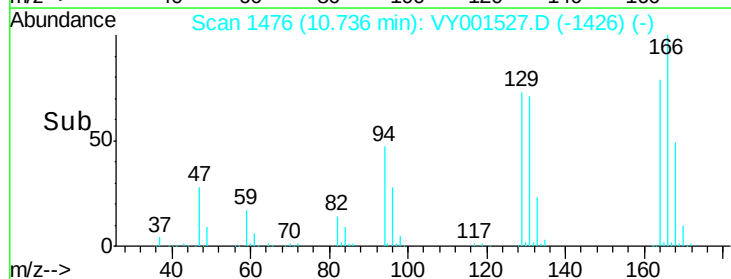
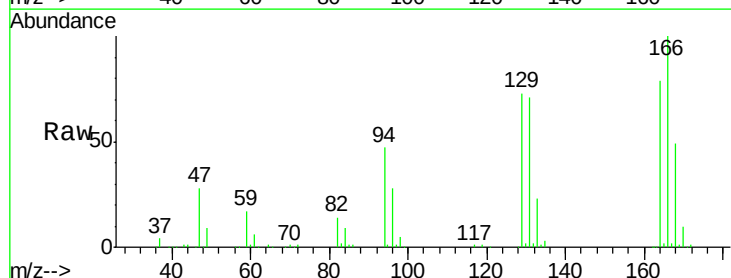
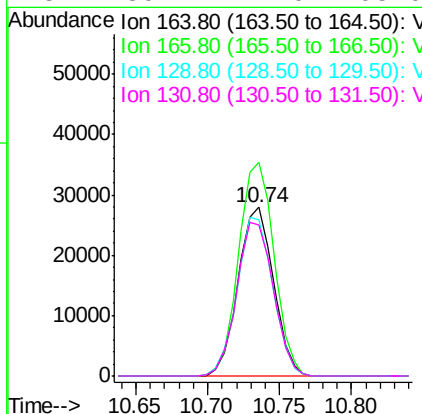
RT: 10.74 min Scan# 1476

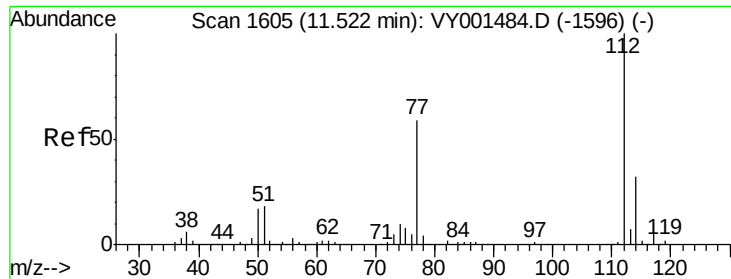
Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tgt Ion:	164	Resp:	47511
Ion Ratio	Lower	Upper	
164	100		
166	126.4	100.8	151.2
129	92.8	77.8	116.6
131	89.7	72.0	108.0





#65

Chlorobenzene

Concen: 21.195 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion:112 Resp: 147372

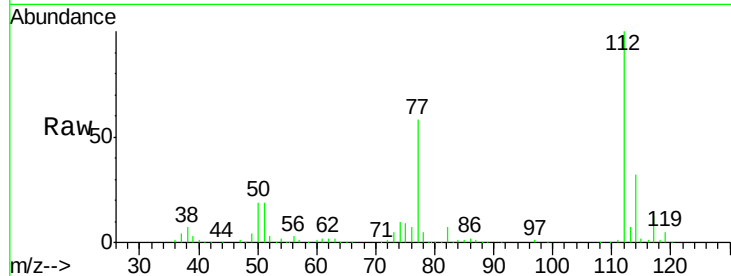
Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.2

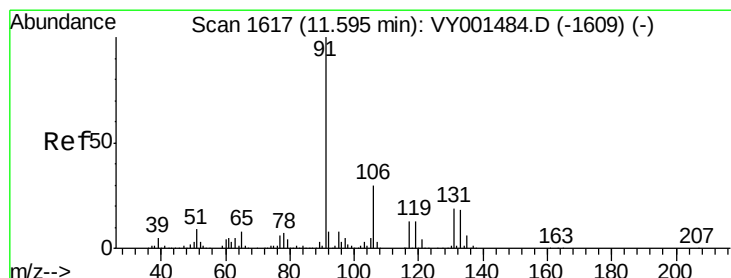
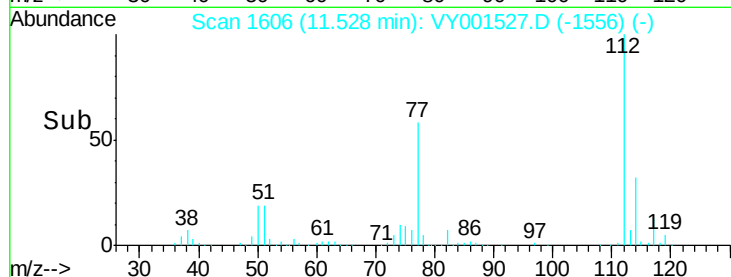
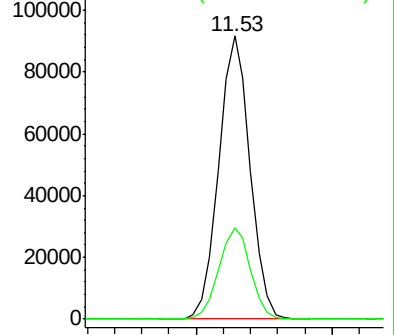
Manual Integrations
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2/7/2020 4:50:48 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.124 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

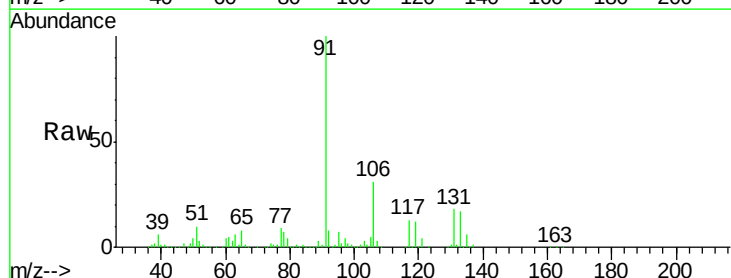
Tgt Ion:131 Resp: 51405

Ion Ratio Lower Upper

131 100

133 94.4 47.9 143.8

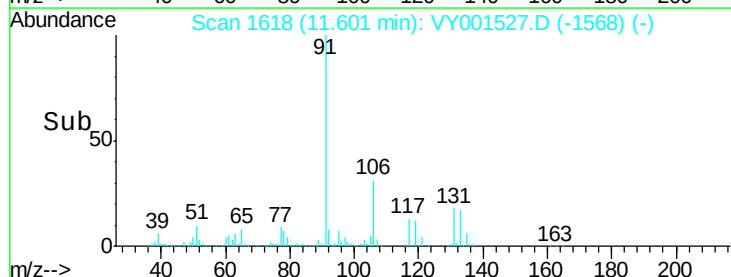
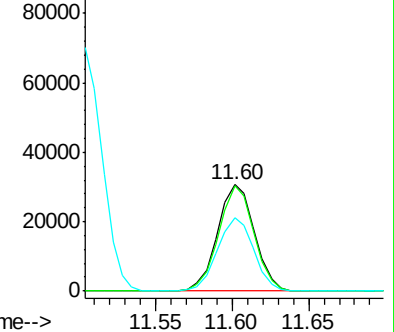
119 68.0 33.7 101.0

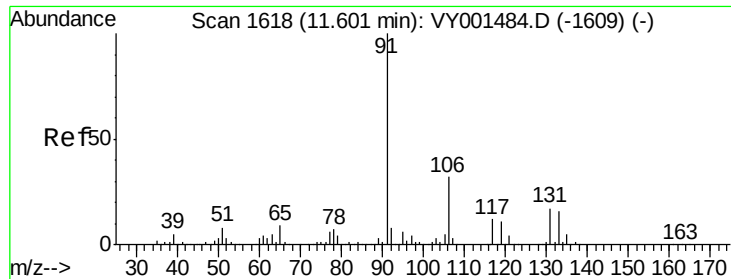


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





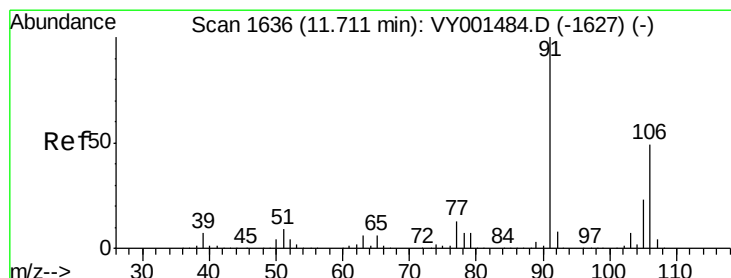
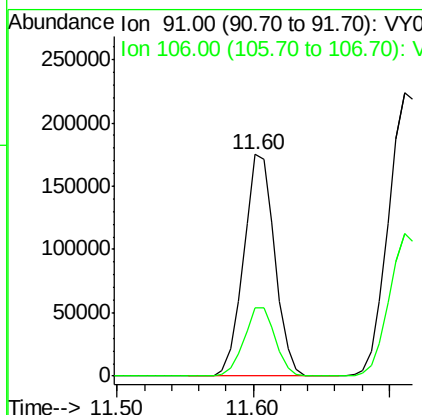
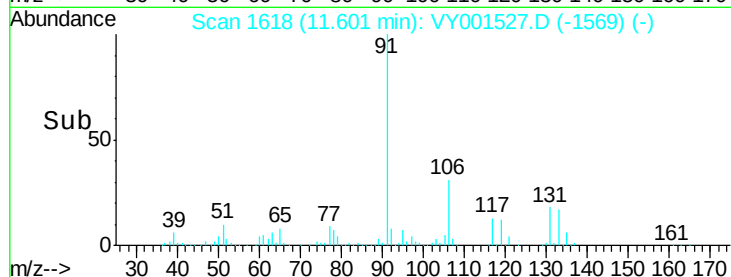
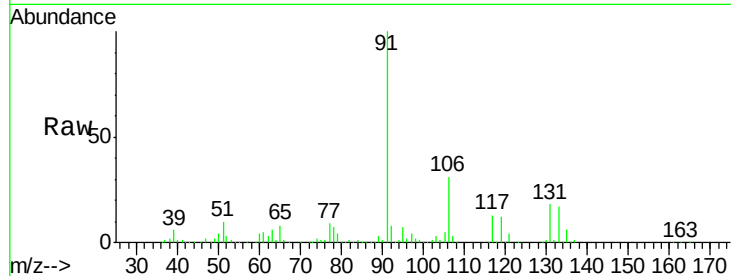
#67
Ethyl Benzene
Concen: 21.701 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion: 91 Resp: 278984
Ion Ratio Lower Upper
91 100
106 31.0 25.3 37.9

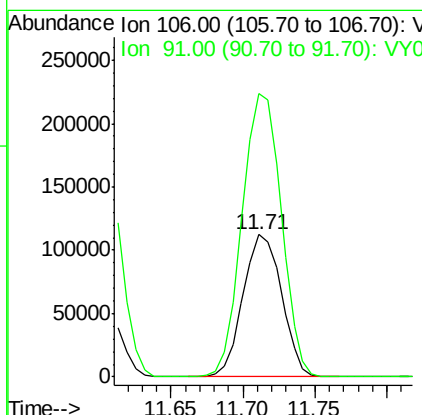
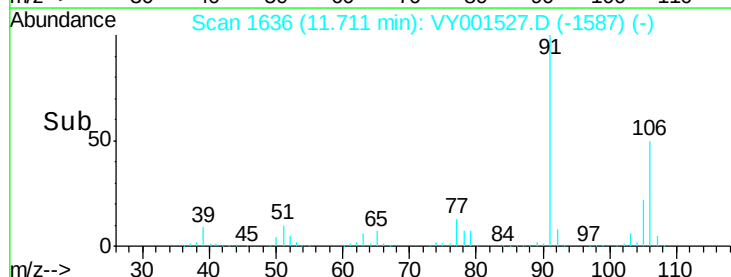
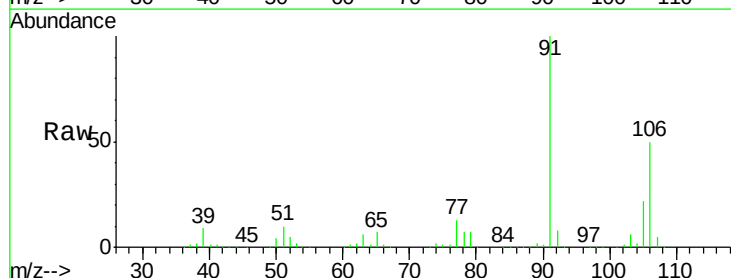
Manual Integrations
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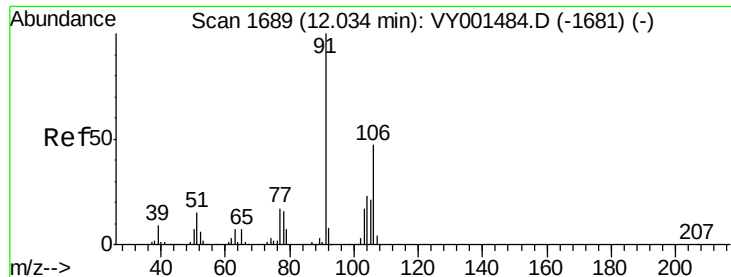
MMDadoda
2/7/2020 4:50:48 PM



#68
m/p-Xylenes
Concen: 43.238 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Tgt Ion: 106 Resp: 208676
Ion Ratio Lower Upper
106 100
91 202.4 163.6 245.4





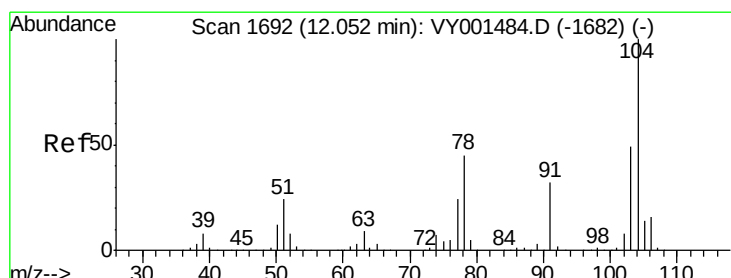
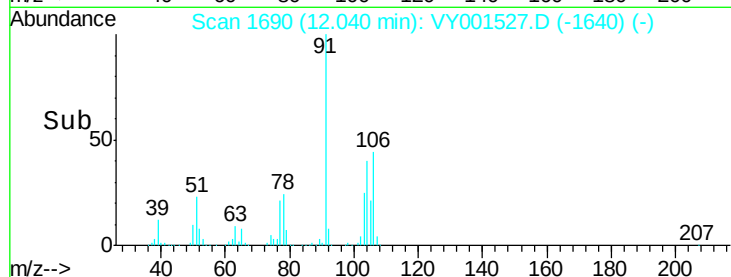
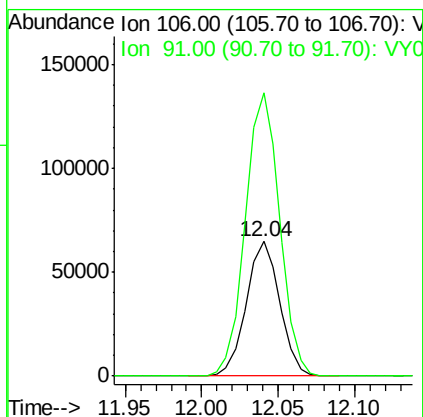
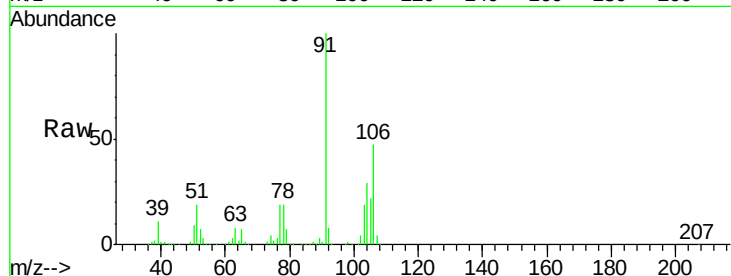
#69
o-Xylene
Concen: 21.639 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion:106 Resp: 98467
Ion Ratio Lower Upper
106 100
91 215.6 106.0 318.0

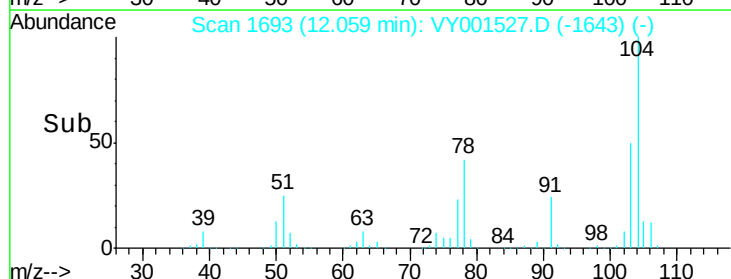
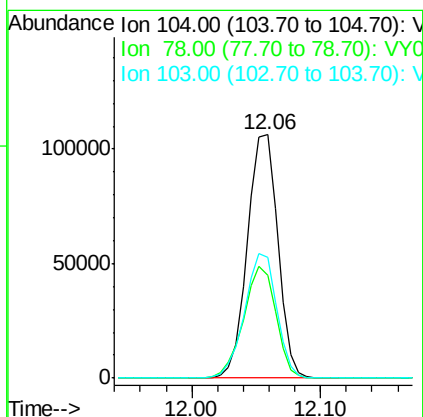
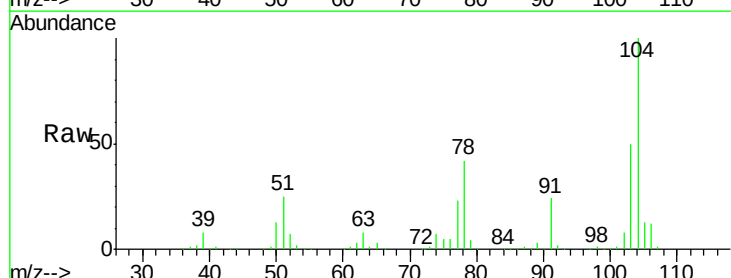
Manual Integrations
APPROVED

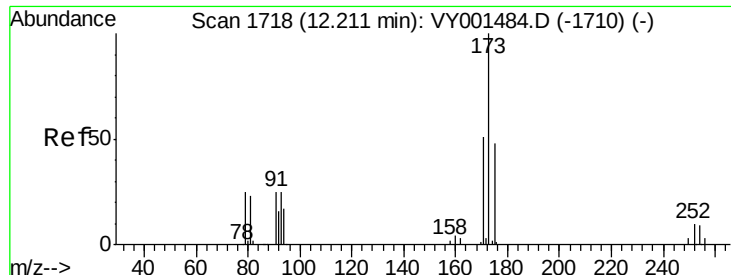
MMDadoda
2/7/2020 4:50:48 PM



#70
Styrene
Concen: 21.948 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Tgt Ion:104 Resp: 172716
Ion Ratio Lower Upper
104 100
78 49.0 40.4 60.6
103 54.0 42.8 64.2





#71

Bromoform

Concen: 21.971 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

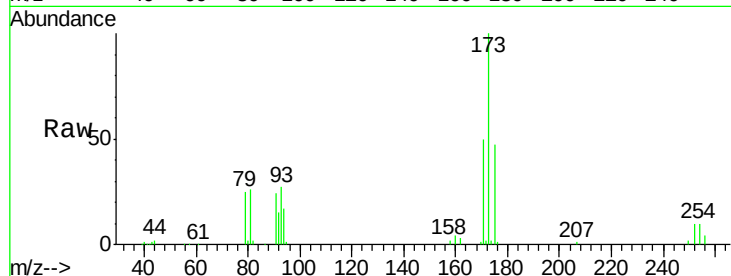
ClientSampleId :

VY0206SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.0	72.0
254	0.0	0.1	0.1

Manual Integrations
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MMDadoda
2/7/2020 4:50:48 PM

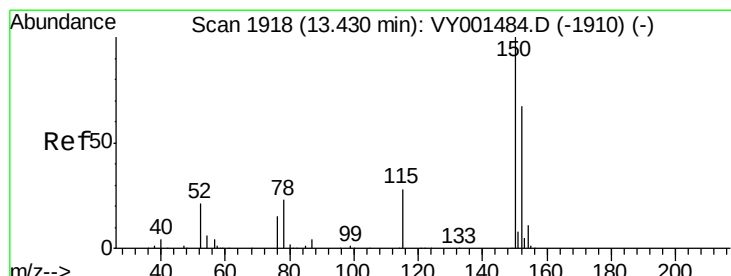
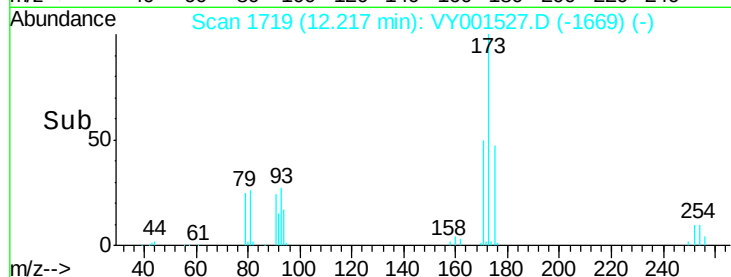
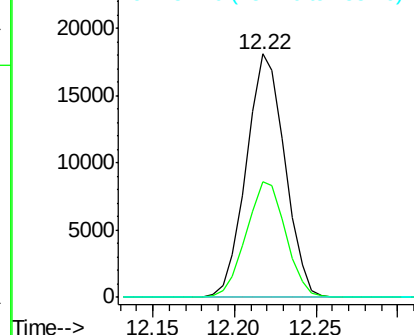


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

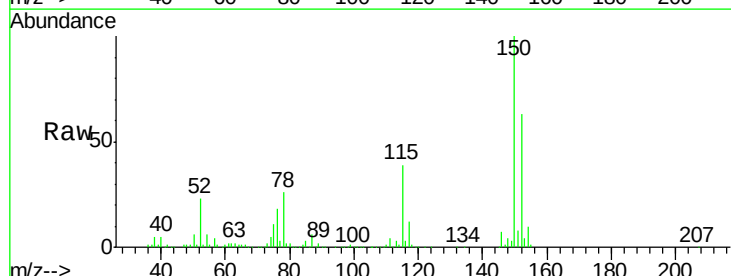
RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	31.4	94.3
150	164.7	0.0	346.8

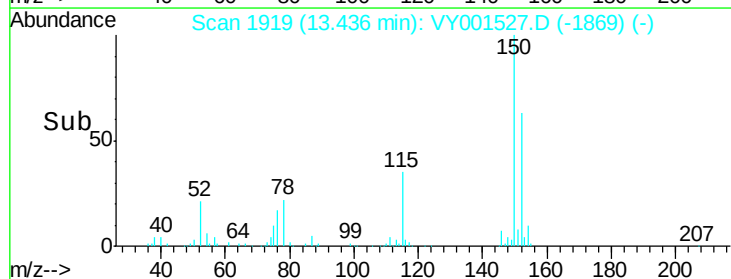
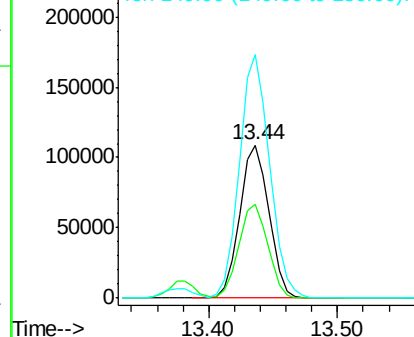


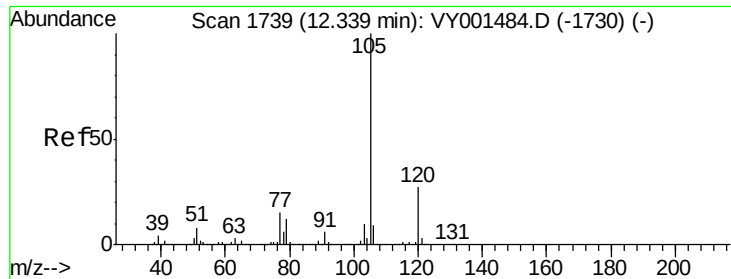
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.693 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBSD01

Tot Ion: 105 Resp: 268792

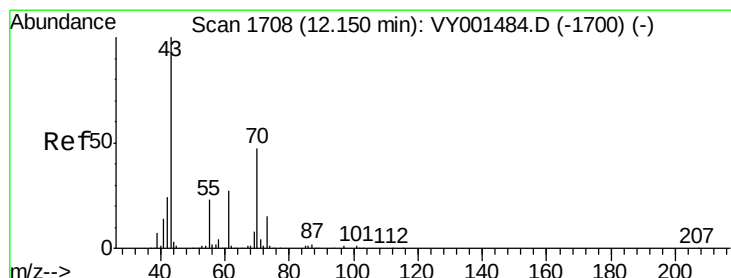
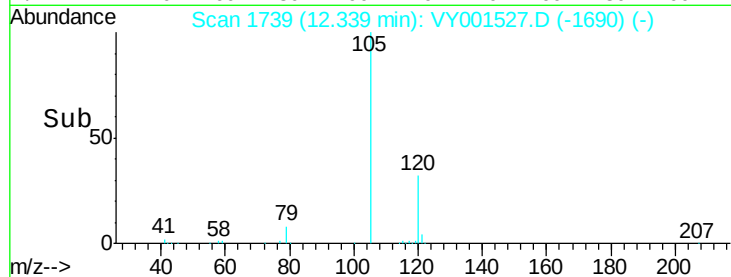
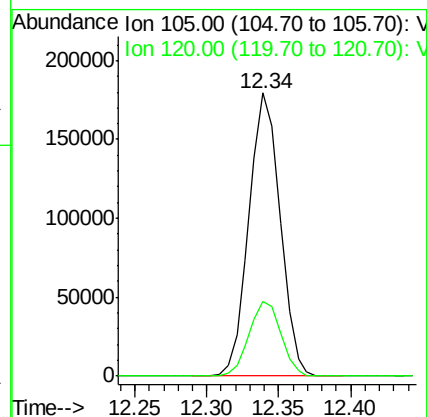
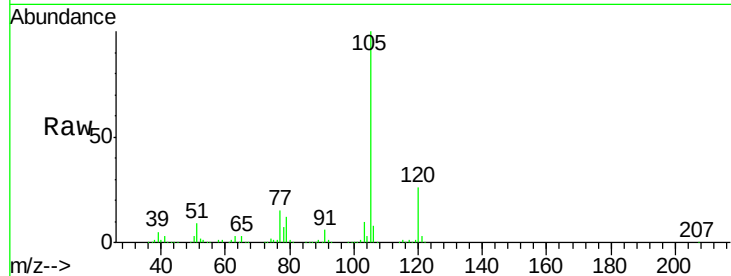
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9

Manual Integrations
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MMDadoda
2/7/2020 4:50:48 PM



#74

N-ethyl acetate

Concen: 25.786 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tgt Ion: 43 Resp: 87036

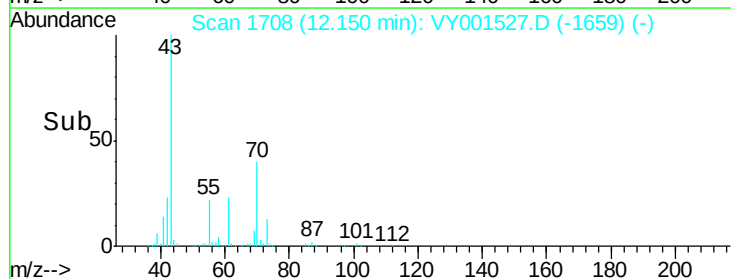
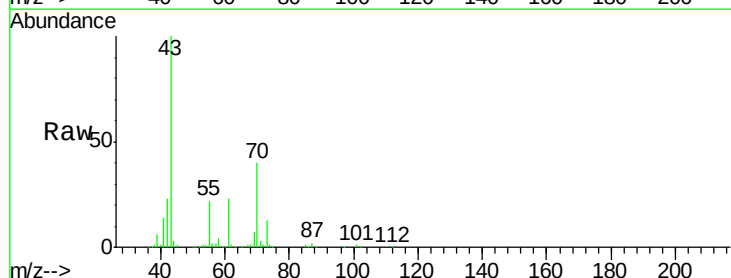
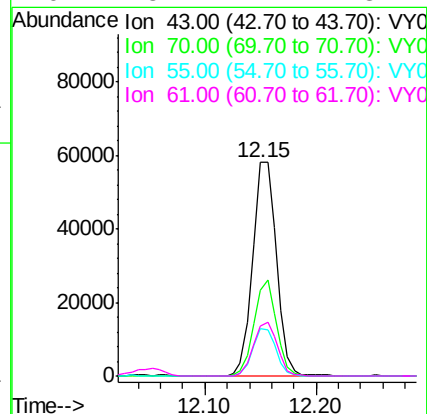
Ion Ratio Lower Upper

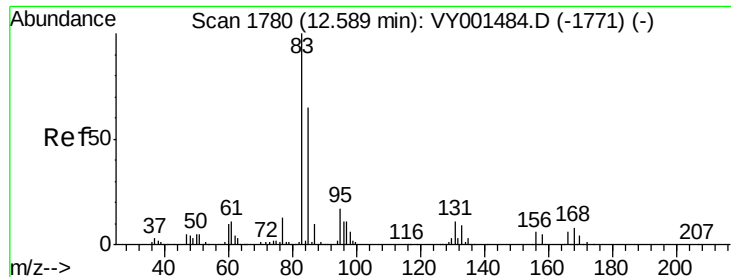
43 100

70 42.2 37.2 55.8

55 21.8 18.8 28.2

61 25.2 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 23.256 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

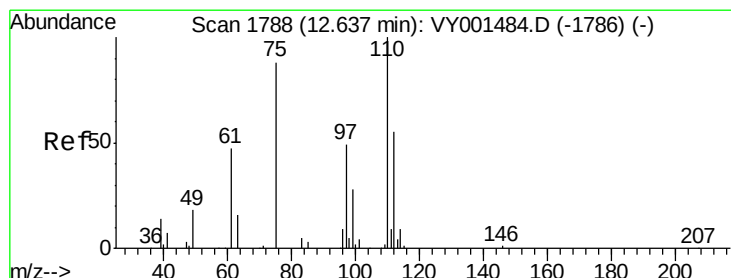
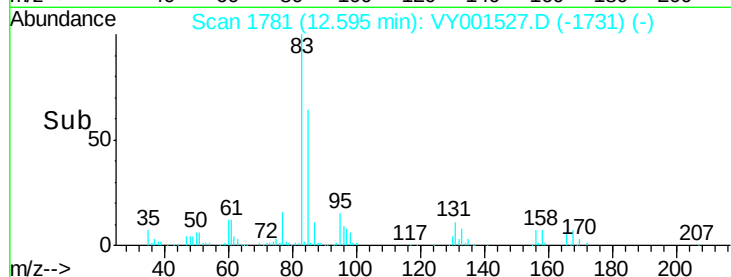
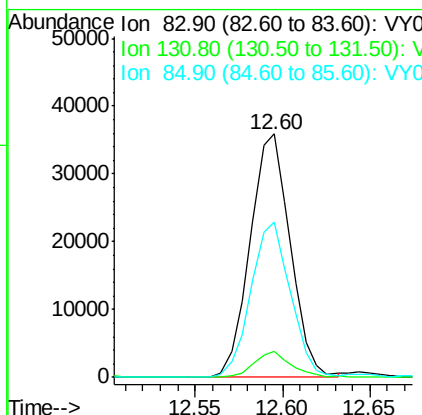
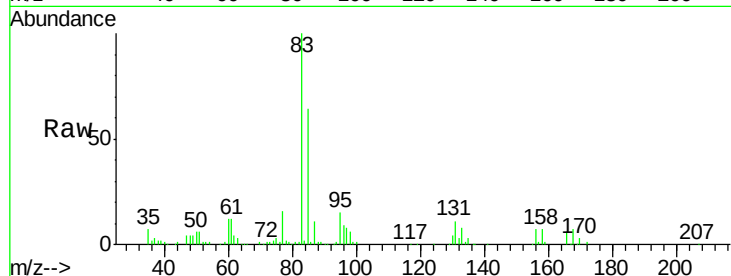
ClientSampleId :

VY0206SBS01

Tot Ion:	83	Resp:	57392
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.4	16.2
85	62.8	32.0	96.0

Manual Integrations
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2/7/2020 4:50:48 PM



#76

1,2,3-Trichloropropane

Concen: 20.556 ug/l m

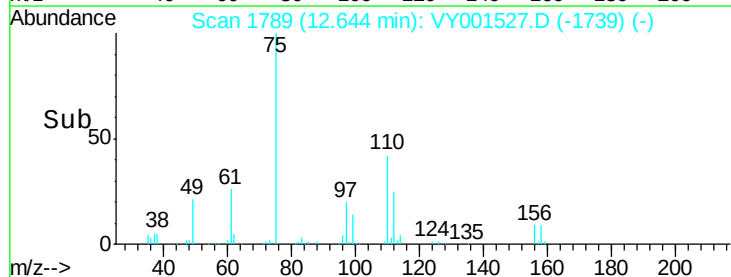
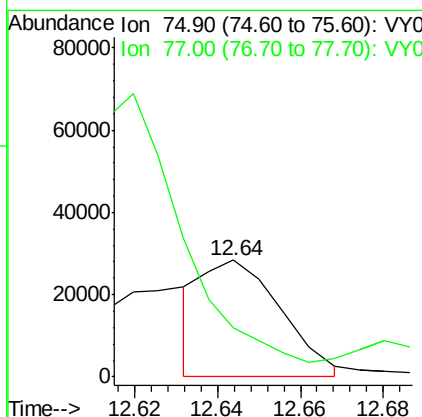
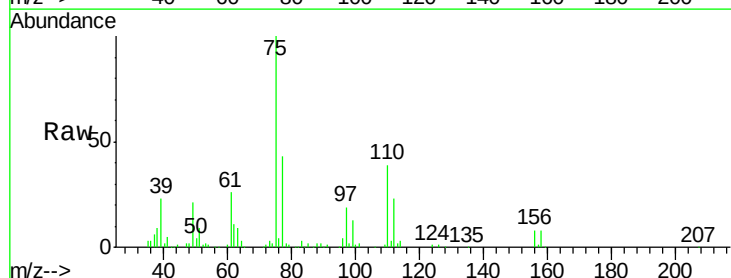
RT: 12.64 min Scan# 1789

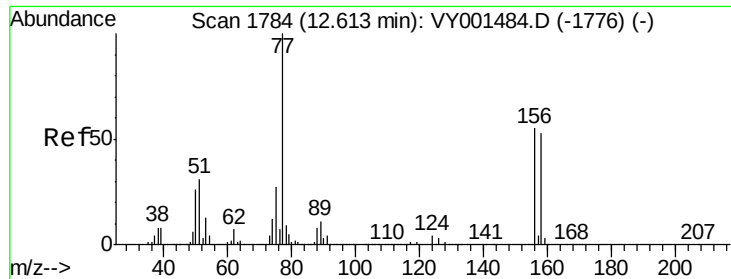
Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tgt Ion:	75	Resp:	37650
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.914 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

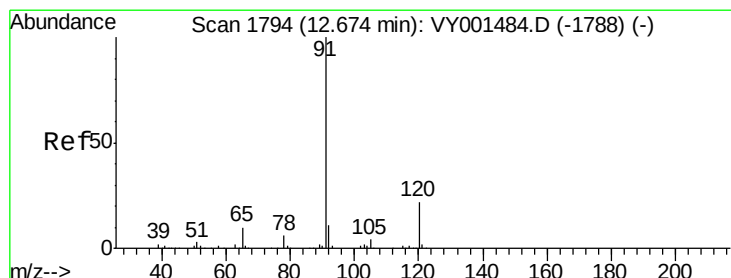
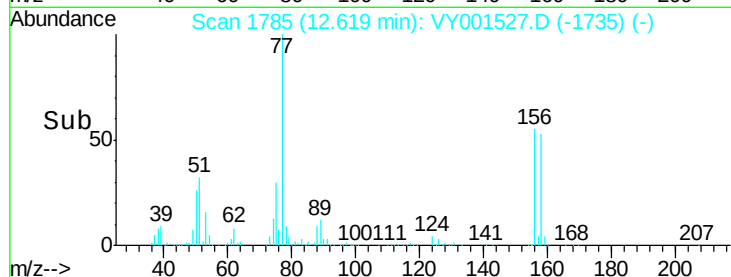
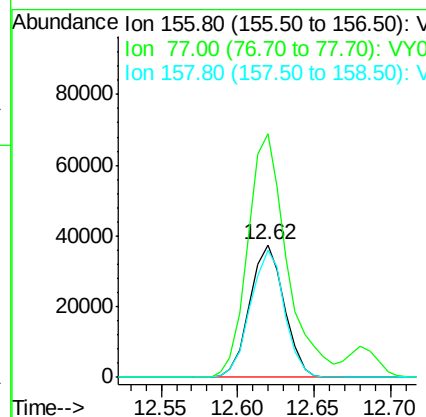
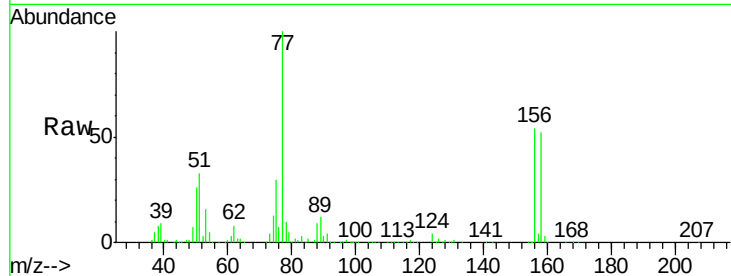
ClientSampleId :

VY0206SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	208.7	99.8	299.3
158	94.8	47.5	142.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.054 ug/l

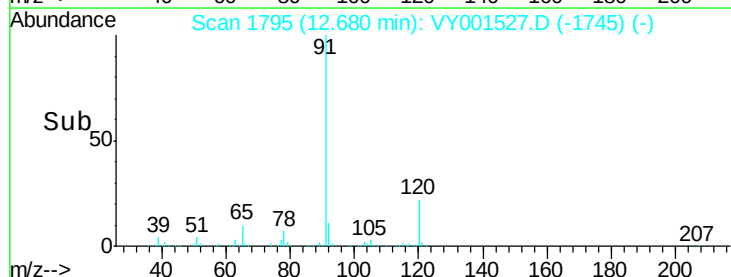
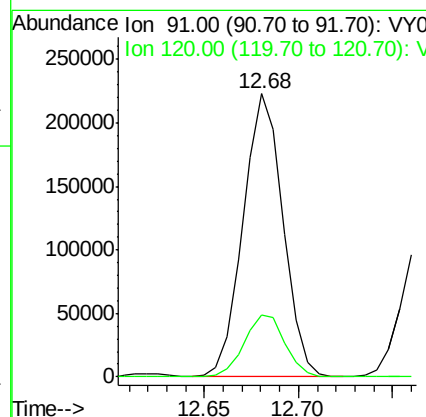
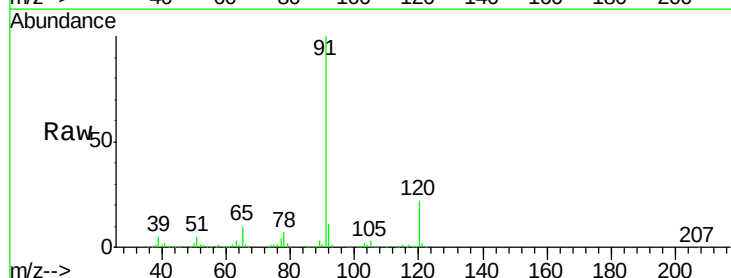
RT: 12.68 min Scan# 1795

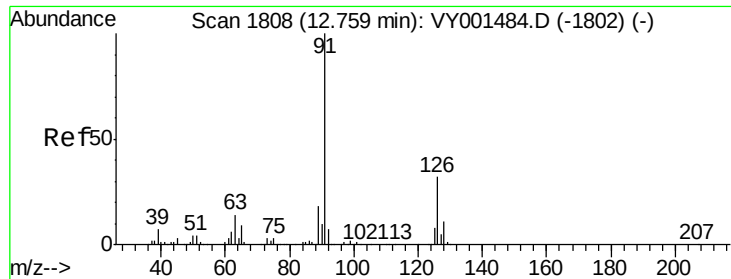
Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.4	34.2





#79

2-Chlorotoluene

Concen: 20.676 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBSD01

Tot Ion: 91 Resp: 183270

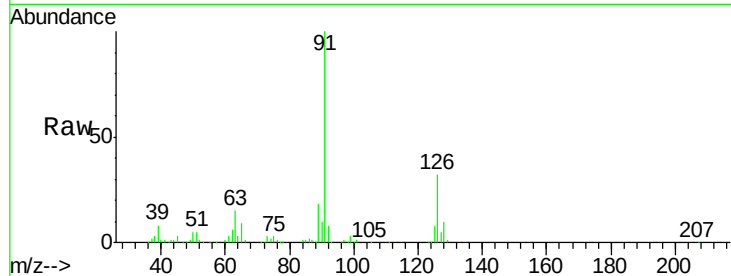
Ion Ratio Lower Upper

91 100

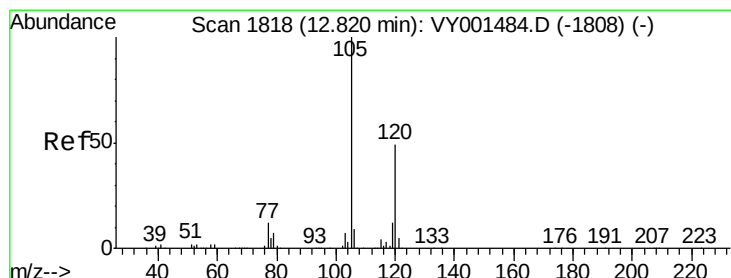
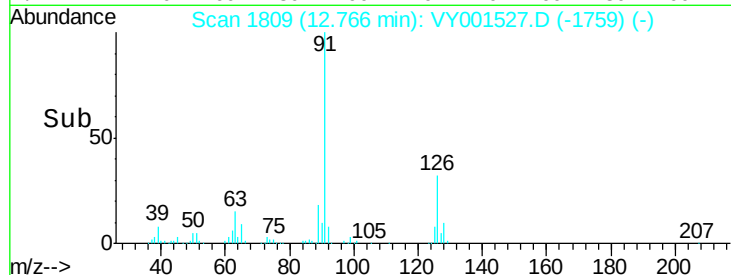
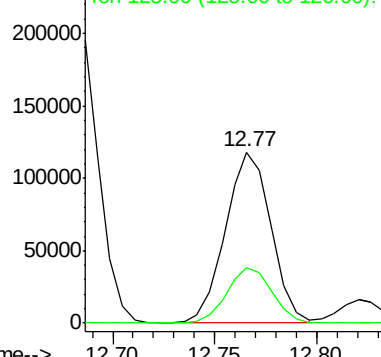
126 32.4 16.4 49.2

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Abundance Ion 91.00 (90.70 to 91.70): VY001527.D (-1759) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.430 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001527.D

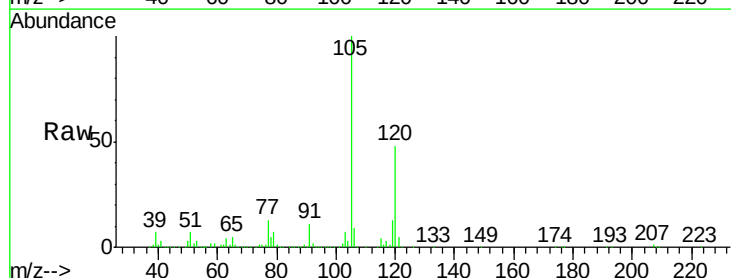
Acq: 06 Feb 2020 13:58

Tgt Ion: 105 Resp: 223493

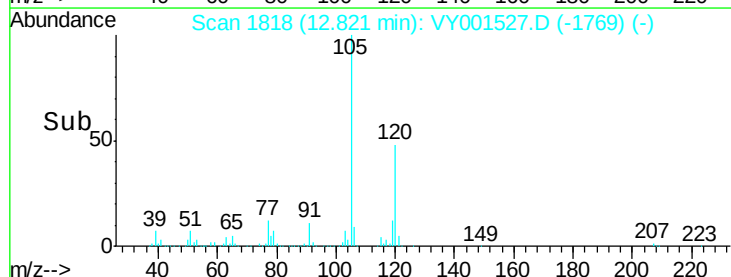
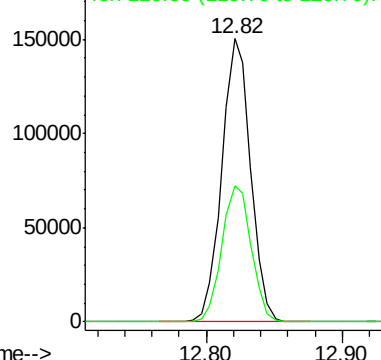
Ion Ratio Lower Upper

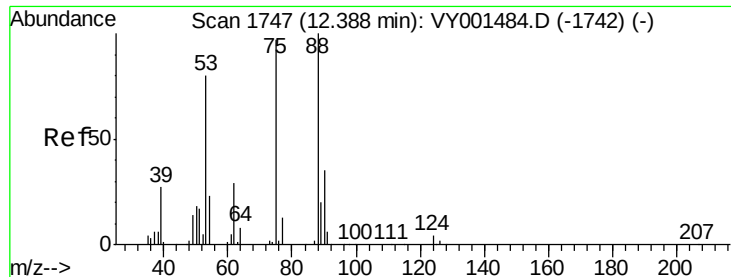
105 100

120 49.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001527.D (-1769) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.433 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

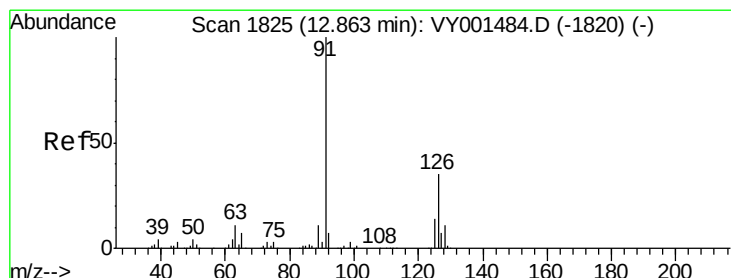
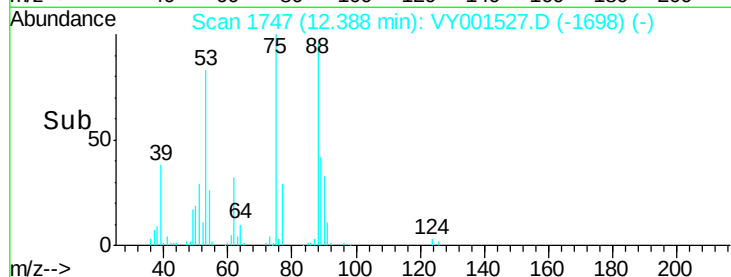
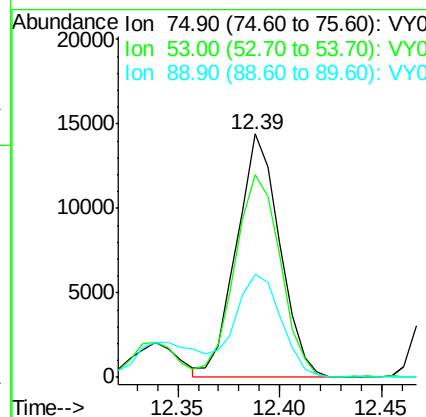
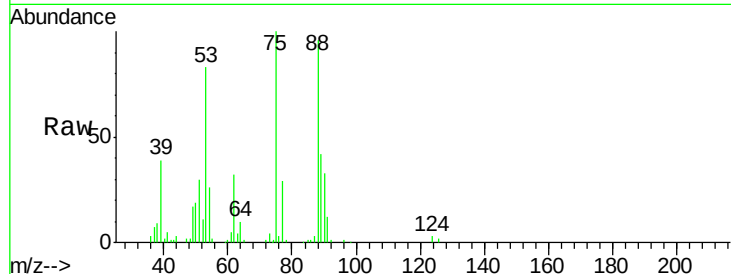
ClientSampleId :

VY0206SBS01

Tot Ion:	75	Resp:	21234
Ion	Ratio	Lower	Upper
75	100		
53	87.9	67.7	101.5
89	46.1	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.874 ug/l

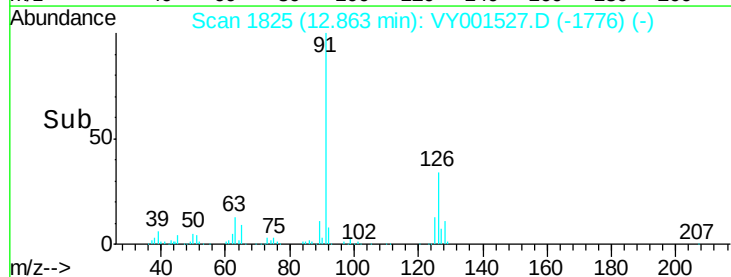
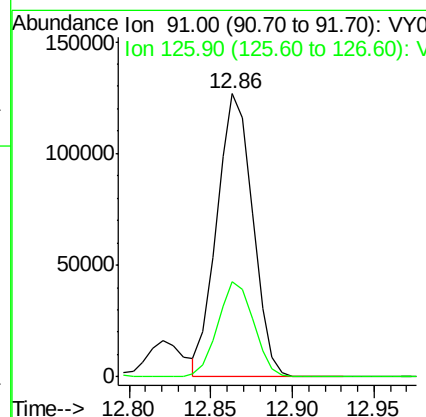
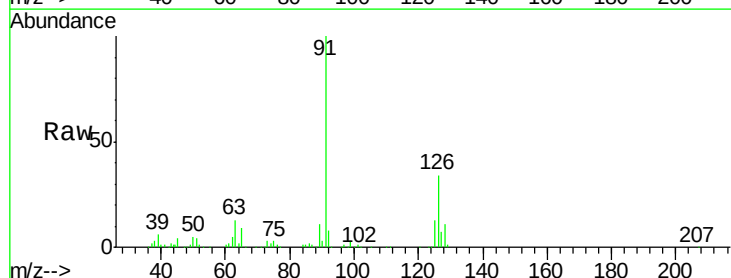
RT: 12.86 min Scan# 1825

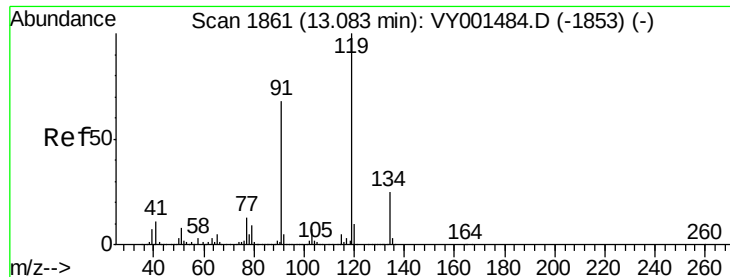
Delta R.T. 0.00 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tgt Ion:	91	Resp:	193991
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.5	49.5





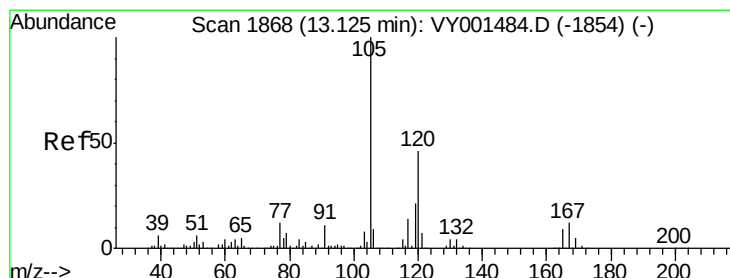
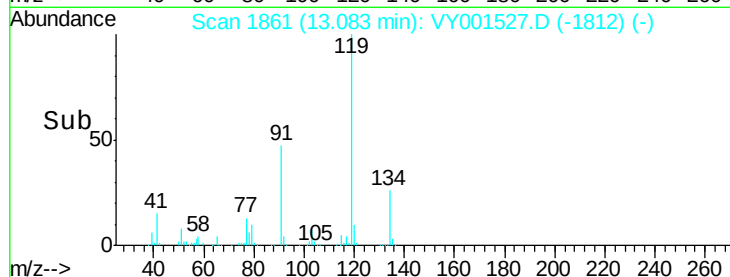
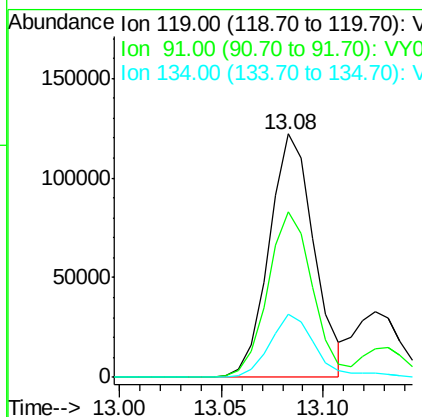
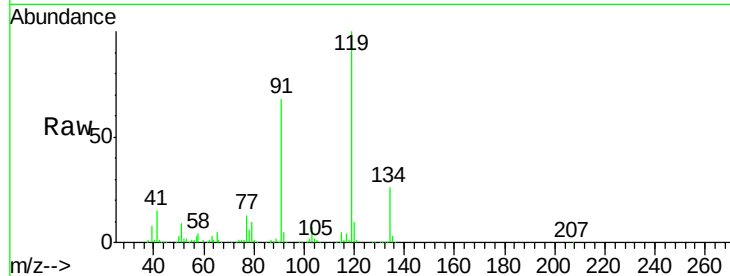
#83
 tert-Butylbenzene
 Concen: 20.221 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	186973		
91	68.3		33.1	99.3
134	26.8		13.0	39.0

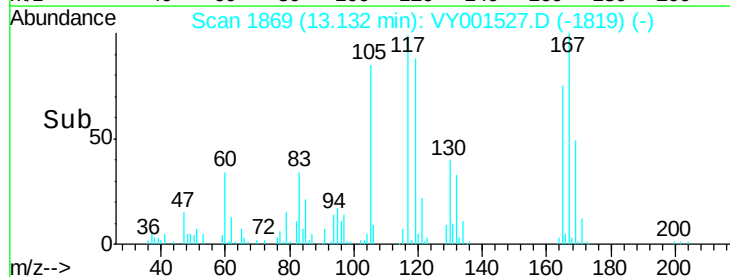
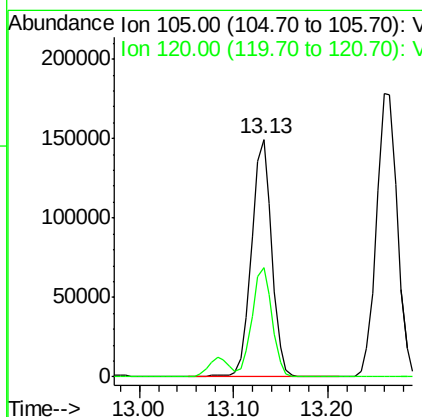
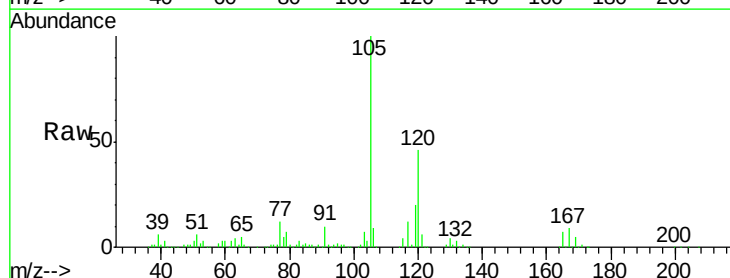
Manual Integrations
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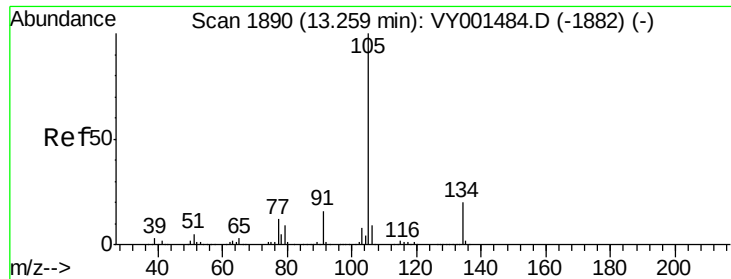
MMDadoda
 2/7/2020 4:50:48 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.820 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	225424		
120	45.6		22.4	67.0





#85

sec-Butylbenzene

Concen: 20.979 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion:105 Resp: 272734

Ion Ratio Lower Upper

105 100

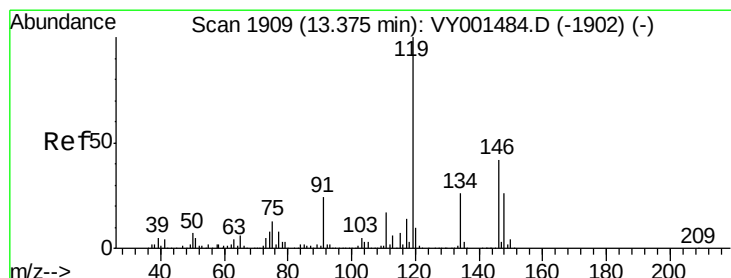
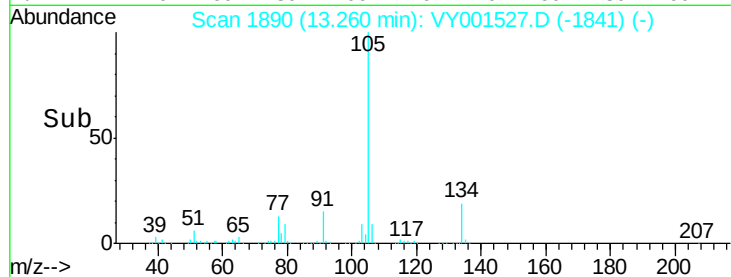
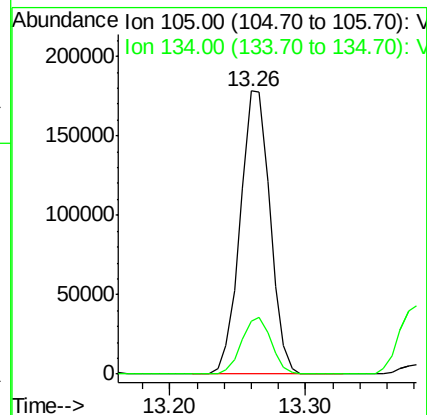
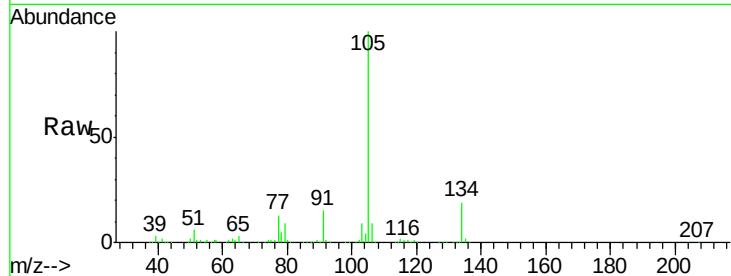
134 19.9 10.0 29.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.335 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

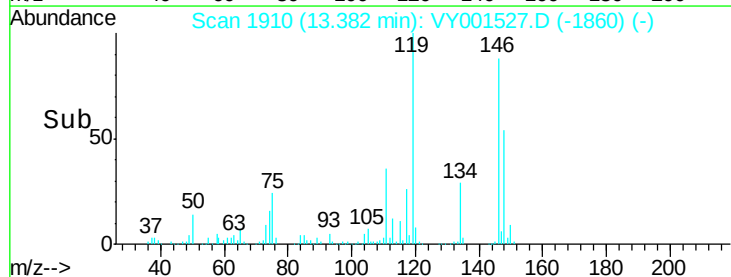
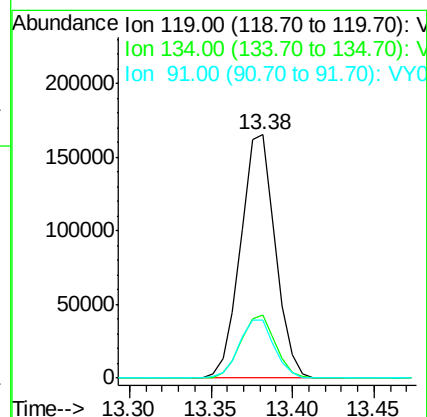
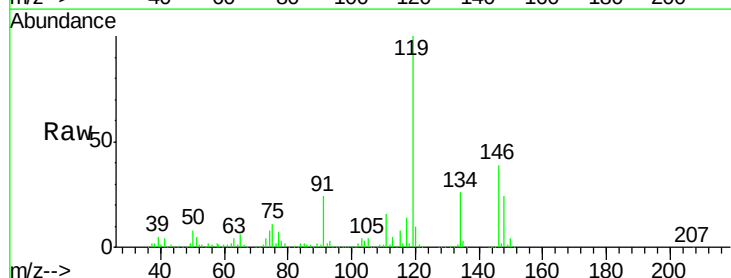
Tgt Ion:119 Resp: 244425

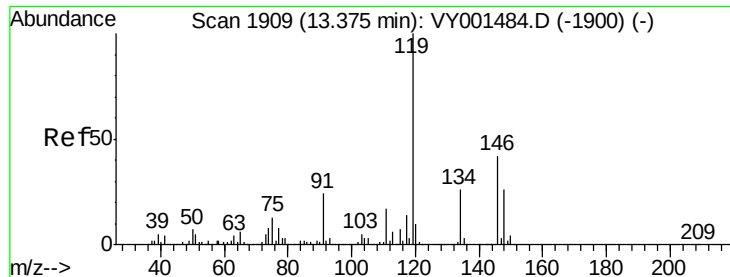
Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.8

91 24.5 12.2 36.6





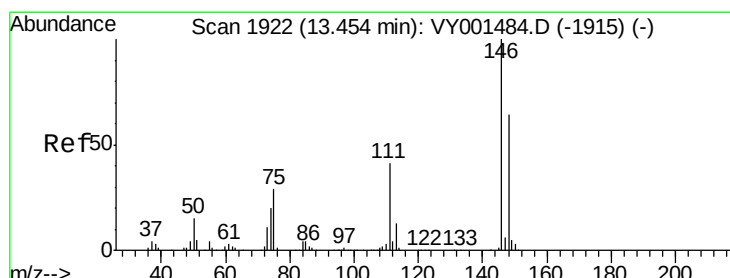
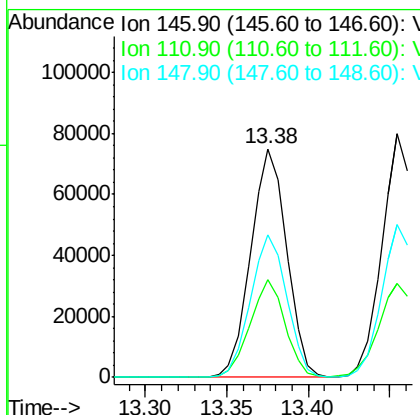
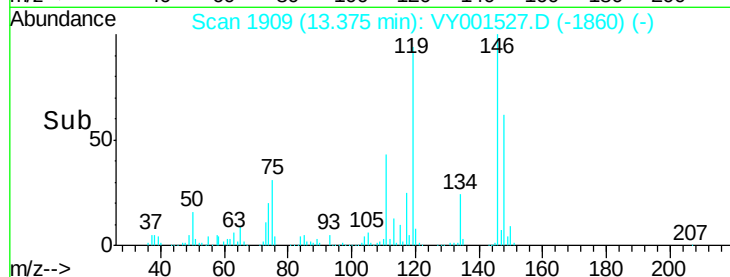
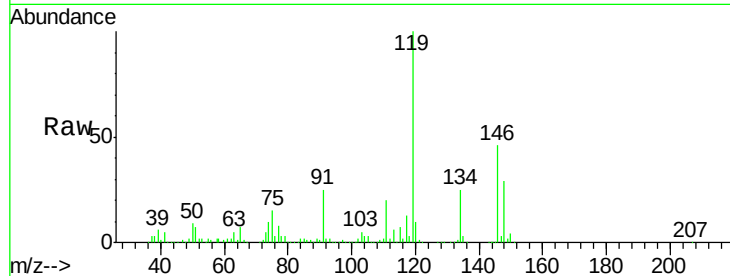
#87
 1,3-Dichlorobenzene
 Concen: 21.361 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.9
148	63.0	31.9	95.7

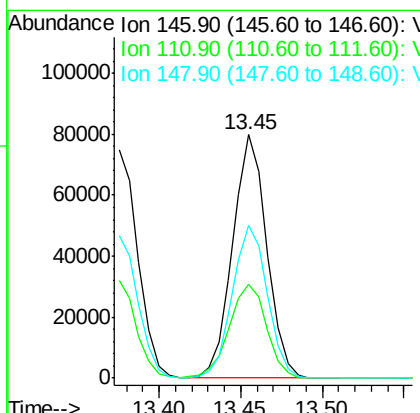
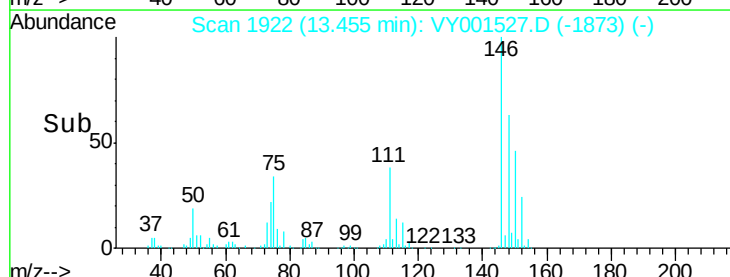
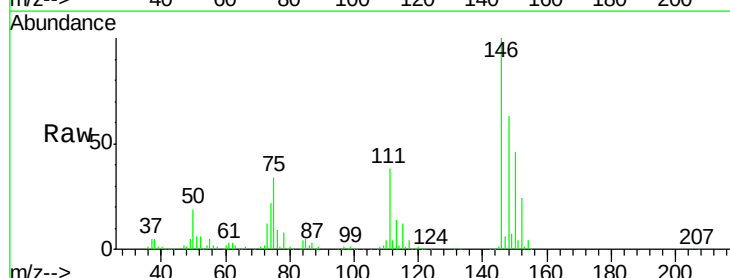
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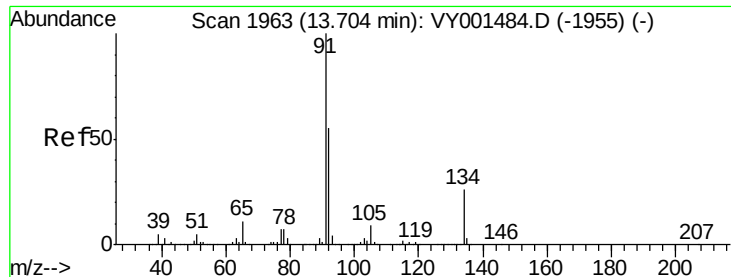
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#88
 1,4-Dichlorobenzene
 Concen: 21.566 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.7	62.1
148	64.4	32.1	96.5





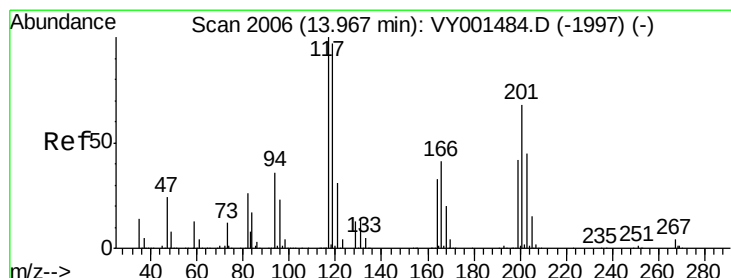
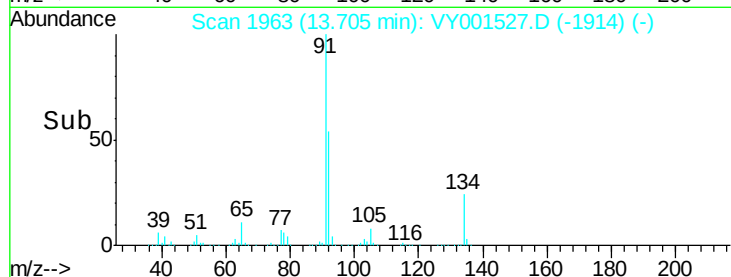
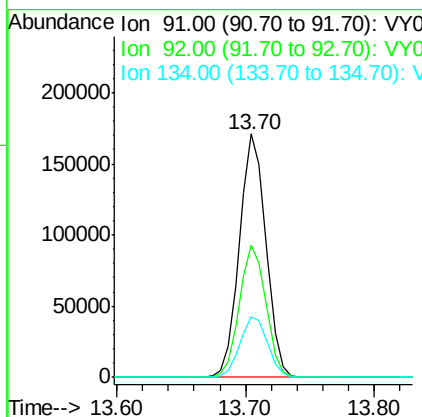
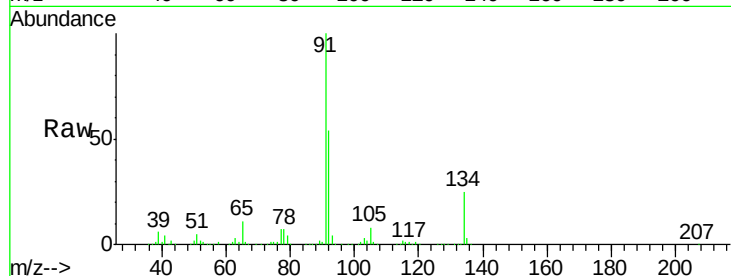
#89
n-Butylbenzene
Concen: 21.513 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	243177		
92	54.3		27.3	81.9
134	25.7		13.0	38.9

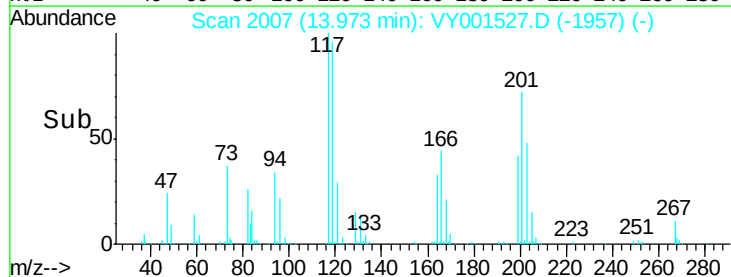
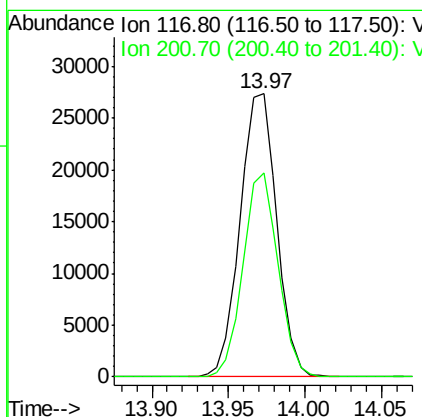
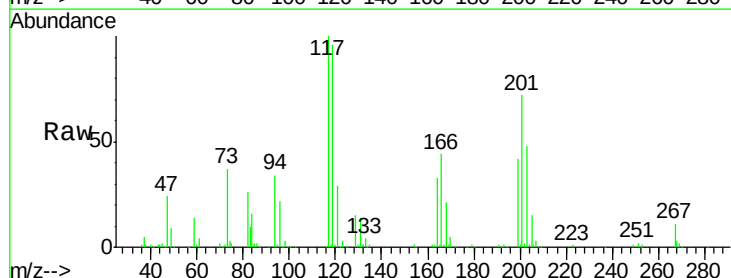
Manual Integrations
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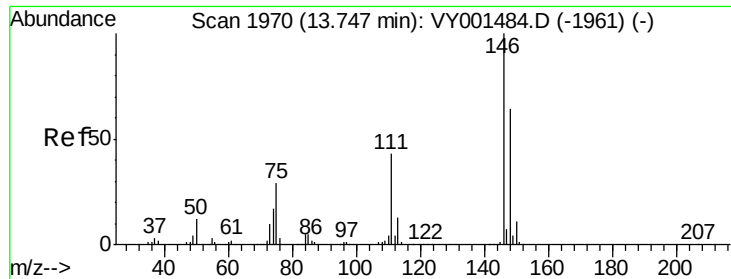
MMDadoda
2/7/2020 4:50:48 PM



#90
Hexachloroethane
Concen: 20.721 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001527.D
Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45564		
201	68.9		34.1	102.3





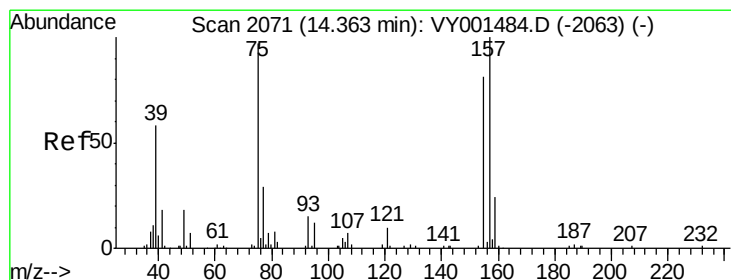
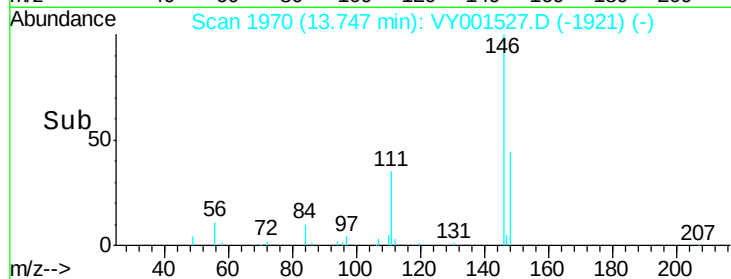
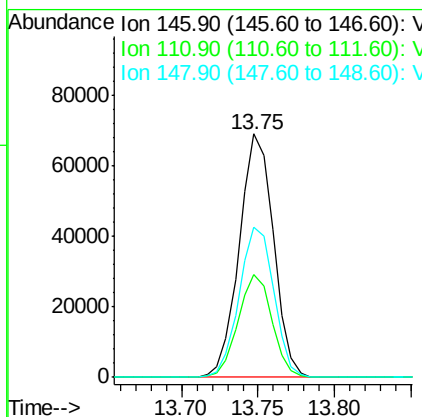
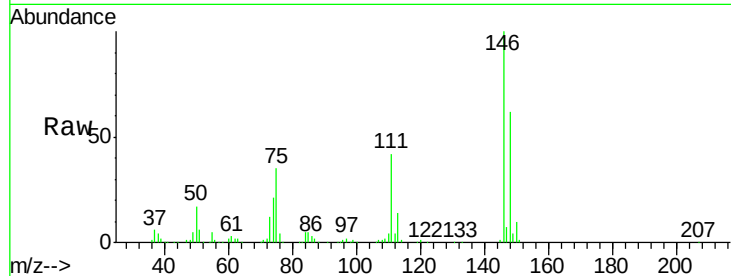
#91
 1,2-Dichlorobenzene
 Concen: 22.085 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.9	65.8
148	62.5	31.8	95.3

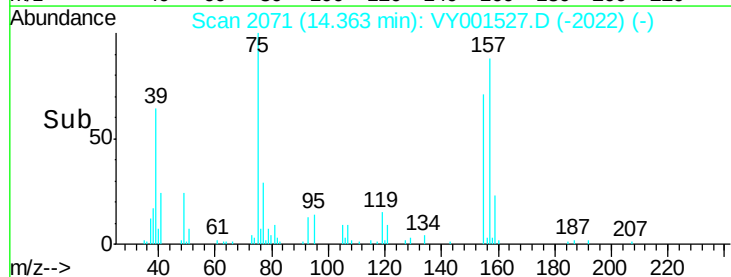
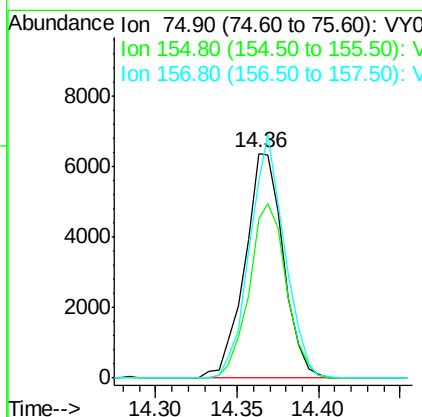
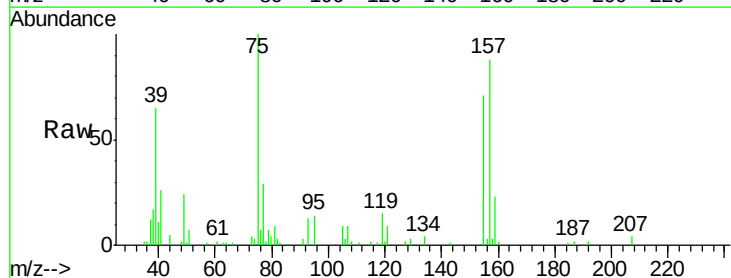
Manual Integrations
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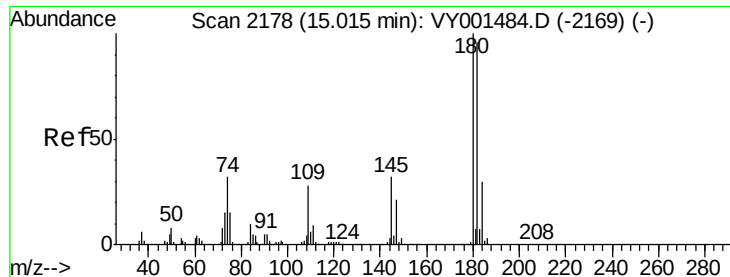
MMDadoda
 2/7/2020 4:50:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.911 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	40.7	122.1
157	97.9	52.3	157.1





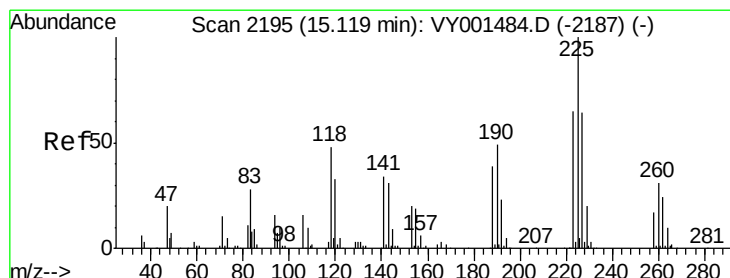
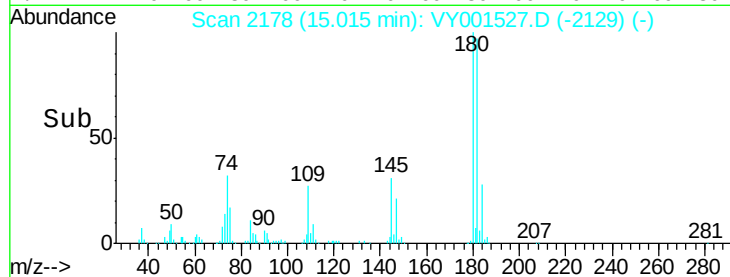
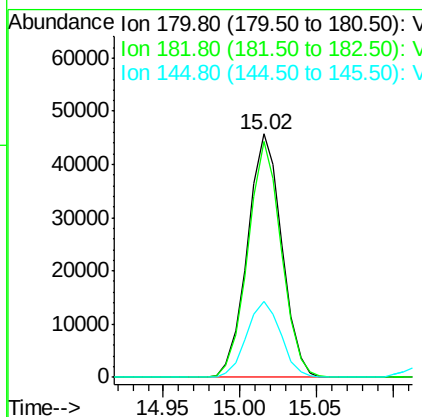
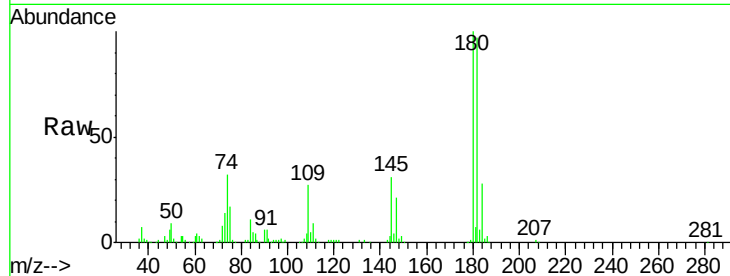
#93
 1,2,4-Trichlorobenzene
 Concen: 21.673 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.9	140.7
145	31.1	16.8	50.3

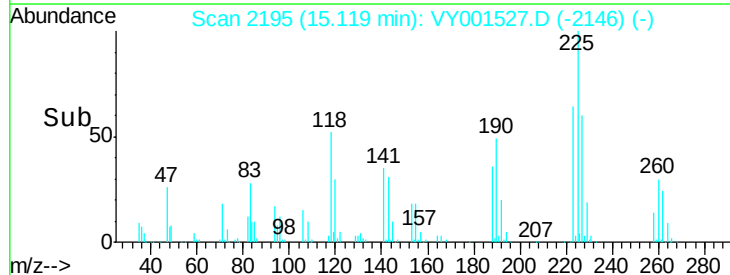
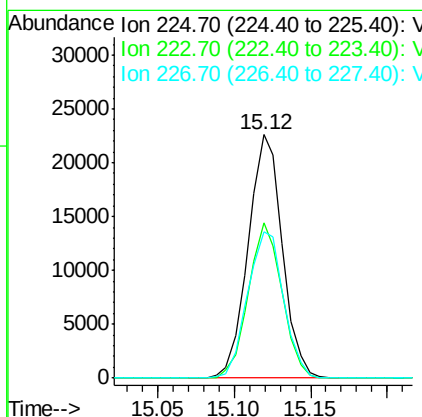
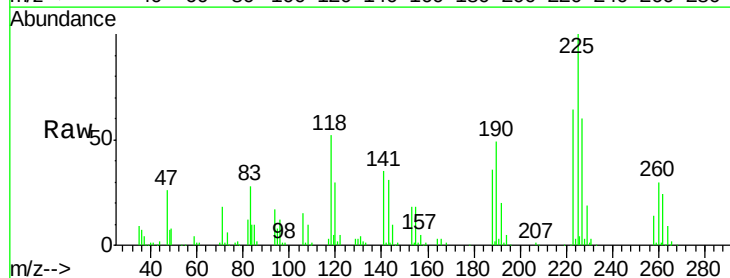
Manual Integrations
 APPROVED

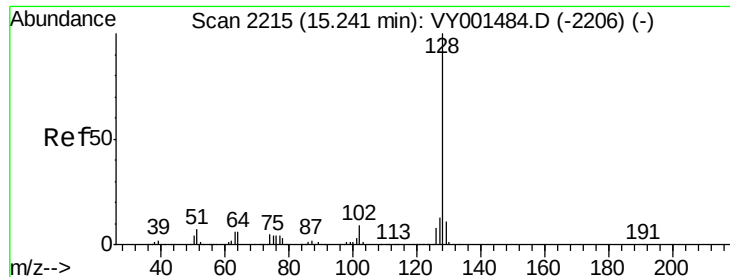
MMDadoda
 2/7/2020 4:50:48 PM



#94
 Hexachlorobutadiene
 Concen: 20.962 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001527.D
 Acq: 06 Feb 2020 13:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.7
227	63.4	32.6	97.7





#95

Naphthalene

Concen: 21.360 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Instrument :

MSVOA_Y

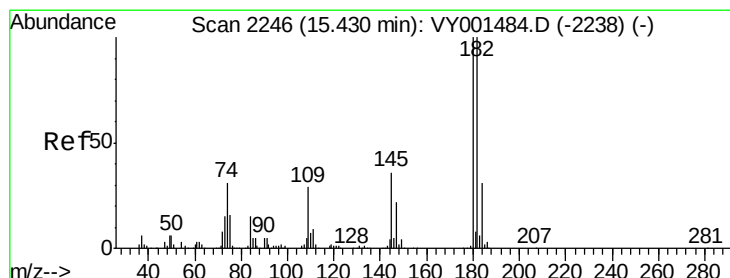
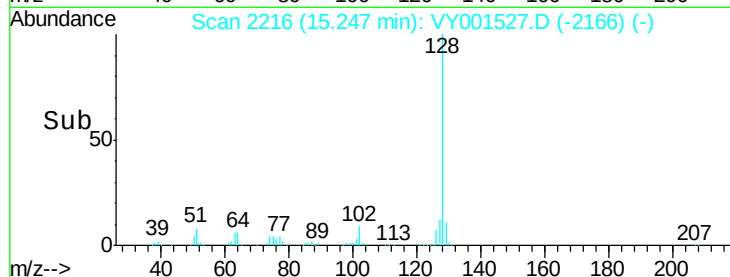
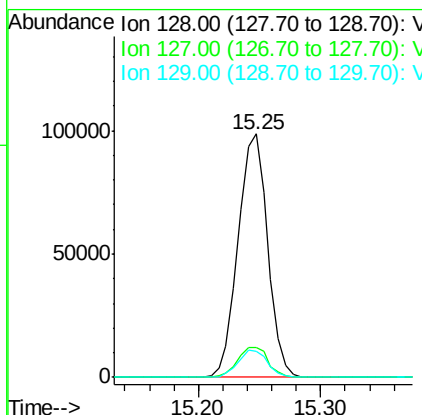
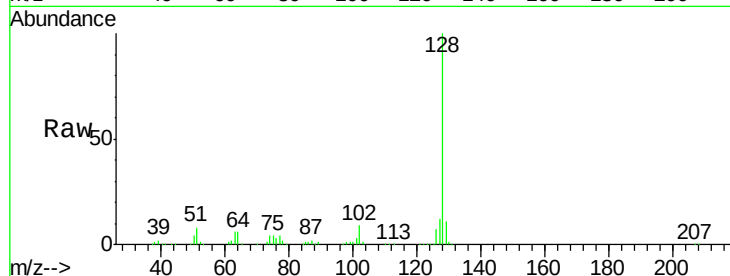
ClientSampleId :

VY0206SBS01

Tot Ion:	128	Resp:	165154
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.1	15.1
129	11.2	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/7/2020 4:50:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.698 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VY001527.D

Acq: 06 Feb 2020 13:58

Tgt Ion:	180	Resp:	63014
Ion Ratio	Lower	Upper	
180	100		
182	94.0	48.0	144.2
145	33.5	17.8	53.5

