

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002779.D
 Acq On : 27 May 2020 21:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 5/28/2020 2:08:51 PM

Quant Time: May 28 06:29:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	288733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	445496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	420575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	223624	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	135695	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
35) Dibromofluoromethane	7.72	113	135606	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.18	98	531907	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.48	95	186388	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	92419	46.518	ug/l	94
3) Chloromethane	2.11	50	109792	49.962	ug/l	98
4) Vinyl Chloride	2.25	62	116093	49.982	ug/l	99
5) Bromomethane	2.65	94	89470	51.402	ug/l	99
6) Chloroethane	2.80	64	74045	49.176	ug/l	96
7) Trichlorofluoromethane	3.13	101	191135	46.463	ug/l	98
8) Diethyl Ether	3.54	74	79659	49.592	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	119483	48.919	ug/l	99
10) Methyl Iodide	4.10	142	154582	45.231	ug/l	100
11) Tert butyl alcohol	4.97	59	73763	275.032	ug/l	99
12) 1,1-Dichloroethene	3.88	96	119674	48.721	ug/l	99
13) Acrolein	3.74	56	69004	234.873	ug/l	99
14) Allyl chloride	4.49	41	179761	51.027	ug/l	100
15) Acrylonitrile	5.17	53	196739	271.496	ug/l	98
16) Acetone	3.96	43	141907	241.395	ug/l	97
17) Carbon Disulfide	4.20	76	359287	48.405	ug/l	99
18) Methyl Acetate	4.49	43	84344	57.321	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	358296	52.838	ug/l	98
20) Methylene Chloride	4.72	84	149307	51.972	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	137170	49.657	ug/l	98
22) Diisopropyl ether	6.13	45	387914	52.988	ug/l	96
23) Vinyl Acetate	6.07	43	1330841	275.345	ug/l	98
24) 1,1-Dichloroethane	6.02	63	222136	51.871	ug/l	99
25) 2-Butanone	6.99	43	247622	270.363	ug/l	98
26) 2,2-Dichloropropane	6.99	77	180071	43.843	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	156456	50.594	ug/l	99
28) Bromochloromethane	7.34	49	95786	54.485	ug/l	98
29) Tetrahydrofuran	7.35	42	166212	278.996	ug/l	99
30) Chloroform	7.52	83	234790	51.667	ug/l	96
31) Cyclohexane	7.79	56	196658	46.252	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	206877	48.854	ug/l	99
36) 1,1-Dichloropropene	7.92	75	175339	46.723	ug/l	99
37) Ethyl Acetate	7.08	43	107437	52.619	ug/l	100
38) Carbon Tetrachloride	7.91	117	192461	46.166	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	227655	46.024	ug/l	99
40) Benzene	8.16	78	539679	48.670	ug/l	99
41) Methacrylonitrile	7.32	41	56740m	51.728	ug/l	
42) 1,2-Dichloroethane	8.24	62	153702	49.460	ug/l	100
43) Isopropyl Acetate	8.28	43	204043	52.735	ug/l	99
44) Trichloroethene	8.94	130	167914	47.940	ug/l	96
45) 1,2-Dichloropropane	9.22	63	132973	50.005	ug/l	100
46) Dibromomethane	9.31	93	79592	50.399	ug/l	100
47) Bromodichloromethane	9.50	83	188429	50.612	ug/l	99
48) Methyl methacrylate	9.30	41	93584	53.579	ug/l	99
49) 1,4-Dioxane	9.30	88	25234	1040.629	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	553129	269.973	ug/l	99
52) Toluene	10.24	92	350154	48.271	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	201809	49.628	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	226818	49.225	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	120092	49.671	ug/l	96
56) Ethyl methacrylate	10.51	69	170829	52.751	ug/l	99
57) 1,3-Dichloropropane	10.79	76	201599	50.695	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	440514	278.390	ug/l	99
59) 2-Hexanone	10.83	43	392896	270.274	ug/l	99
60) Dibromochloromethane	10.99	129	154774	50.492	ug/l	100
61) 1,2-Dibromoethane	11.09	107	120899	50.691	ug/l	98
64) Tetrachloroethene	10.72	164	177746	46.501	ug/l	97
65) Chlorobenzene	11.52	112	395282	47.552	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	153489	49.026	ug/l	99
67) Ethyl Benzene	11.59	91	680322	47.208	ug/l	100
68) m/p-Xylenes	11.70	106	529354	94.740	ug/l	100
69) o-Xylene	12.03	106	254504	48.250	ug/l	100
70) Styrene	12.04	104	447569	48.947	ug/l	100
71) Bromoform	12.21	173	105870	50.538	ug/l	100
73) Isopropylbenzene	12.33	105	682156	47.601	ug/l	100
74) N-amyl acetate	12.14	43	195799	53.249	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	130471	51.889	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	100631m	49.941	ug/l	
77) Bromobenzene	12.61	156	181597	48.666	ug/l	100
78) n-propylbenzene	12.67	91	790219	47.737	ug/l	99
79) 2-Chlorotoluene	12.75	91	444633	47.883	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	572193	47.820	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	52852	49.416	ug/l	99
82) 4-Chlorotoluene	12.85	91	463352	47.627	ug/l	100
83) tert-Butylbenzene	13.07	119	508654	47.656	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	580791	48.273	ug/l	100
85) sec-Butylbenzene	13.25	105	687001	47.075	ug/l	100
86) p-Isopropyltoluene	13.37	119	644627	47.471	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	334905	47.382	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	336760	47.628	ug/l	99
89) n-Butylbenzene	13.69	91	580583	47.092	ug/l	100
90) Hexachloroethane	13.96	117	123779	48.689	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	312930	48.817	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	25365	52.434	ug/l	98

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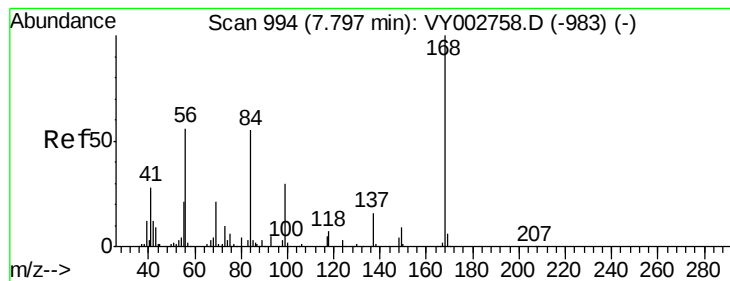
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	228969	47.389	ug/l	99
94) Hexachlorobutadiene	15.11	225	127476	46.517	ug/l	99
95) Naphthalene	15.23	128	497649	51.369	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	209497	48.555	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 288733

Ion Ratio Lower Upper

168 100

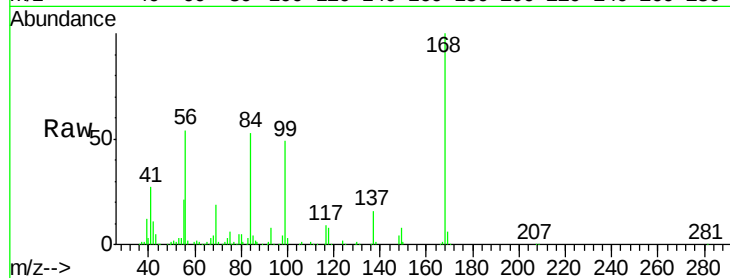
99 48.7 39.0 58.4

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Abundance Ion 167.90 (167.60 to 168.60): VY002779.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002779.D (-945) (-)

7.80

150000

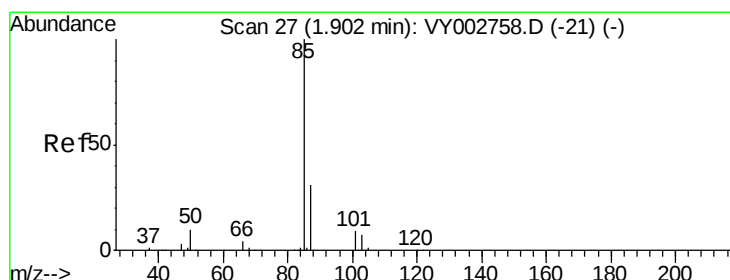
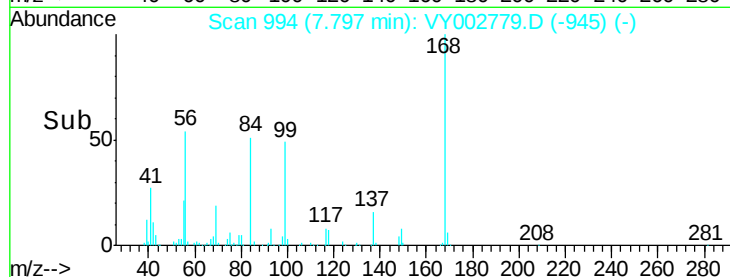
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 46.518 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY002779.D

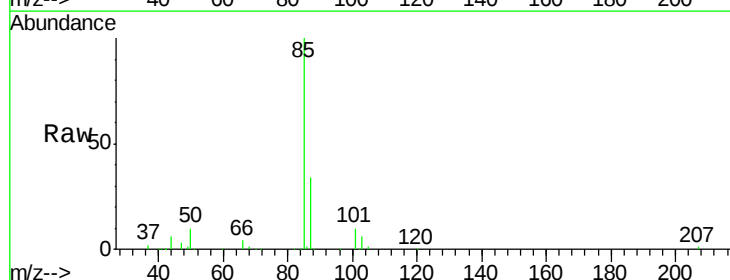
Acq: 27 May 2020 21:16

Tgt Ion: 85 Resp: 92419

Ion Ratio Lower Upper

85 100

87 34.2 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VY002779.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002779.D (-1) (-)

1.90

60000

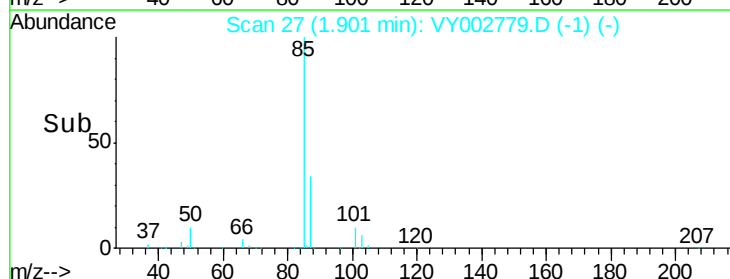
40000

20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 49.962 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 109792

Ion Ratio Lower Upper

50 100

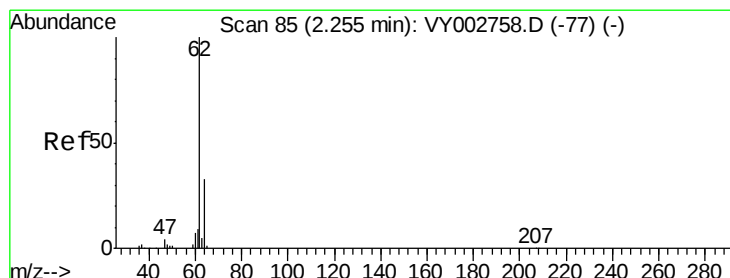
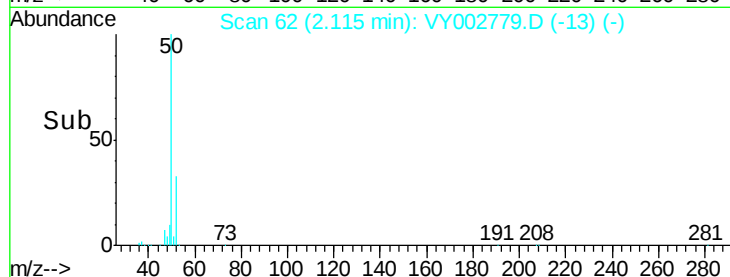
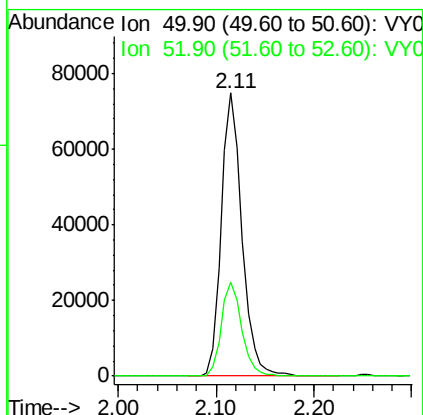
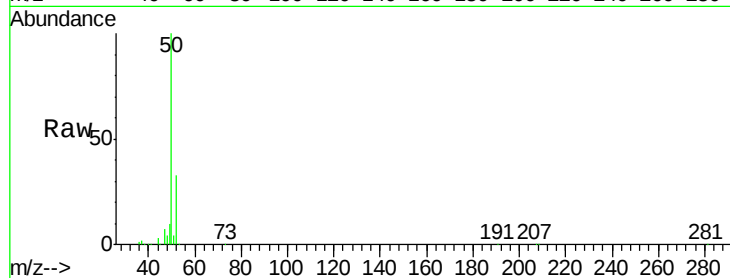
52 33.2 25.8 38.6

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#4

Vinyl Chloride

Concen: 49.982 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY002779.D

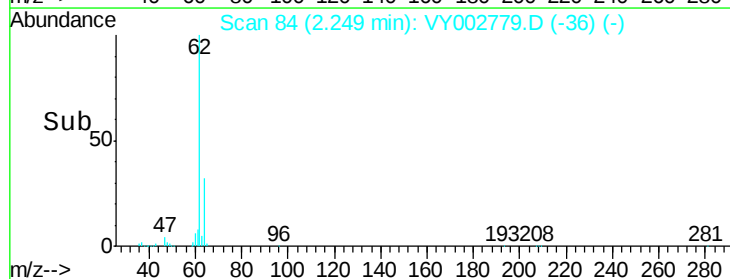
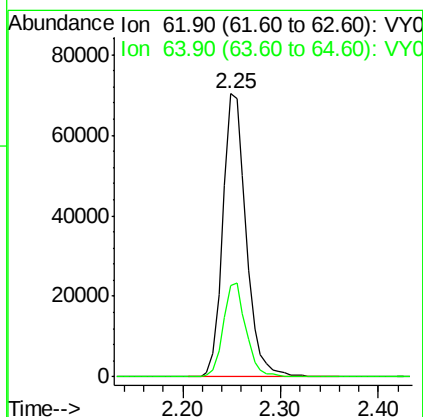
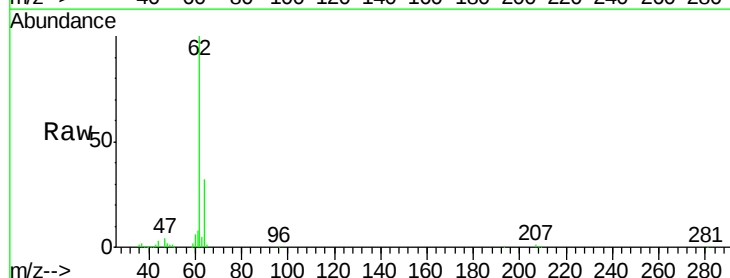
Acq: 27 May 2020 21:16

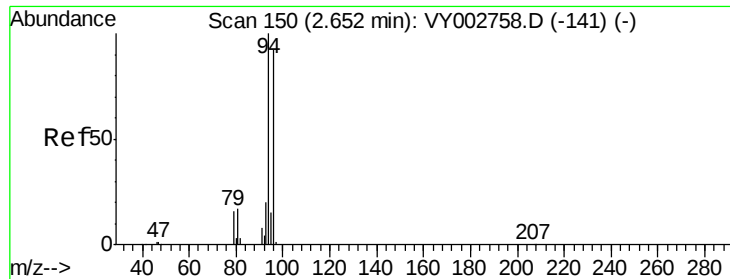
Tgt Ion: 62 Resp: 116093

Ion Ratio Lower Upper

62 100

64 32.1 26.1 39.1





#5

Bromomethane

Concen: 51.402 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 89470

Ion Ratio Lower Upper

94 100

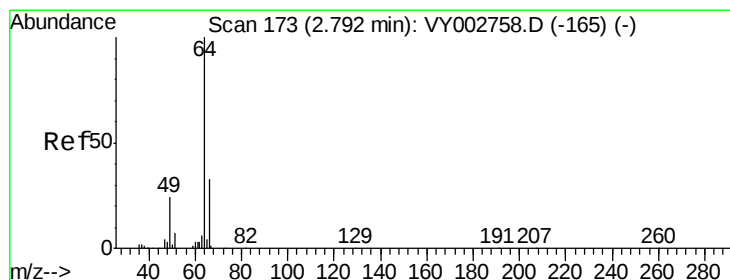
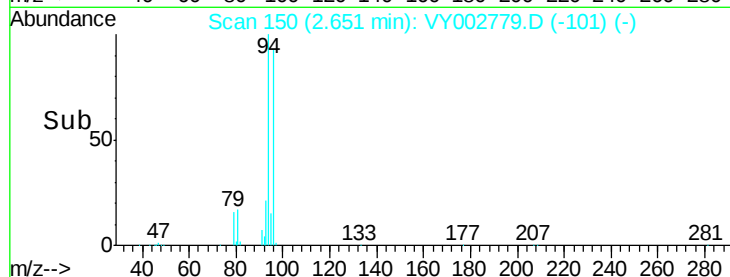
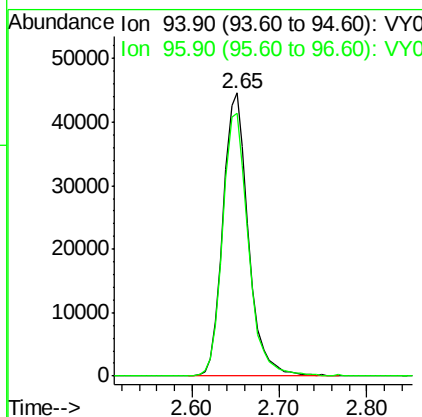
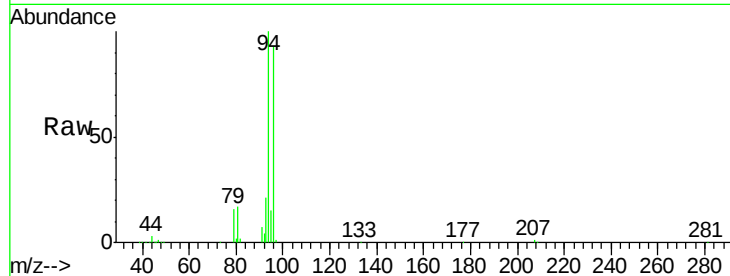
96 92.8 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 49.176 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY002779.D

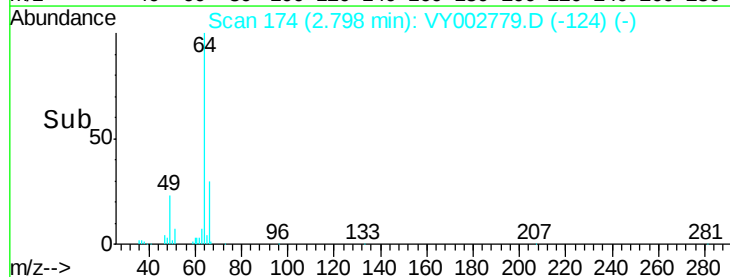
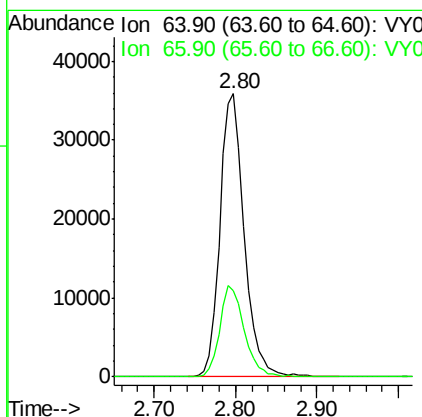
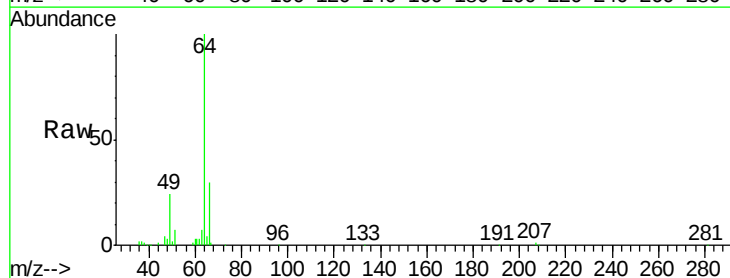
Acq: 27 May 2020 21:16

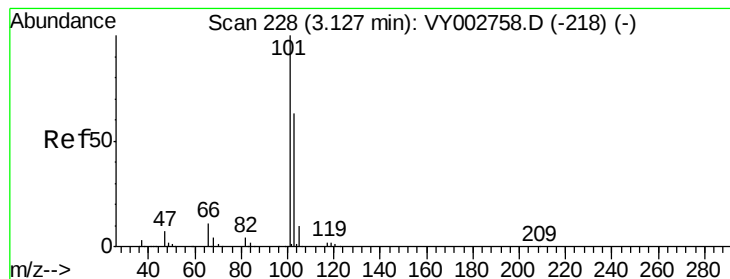
Tgt Ion: 64 Resp: 74045

Ion Ratio Lower Upper

64 100

66 30.5 26.4 39.6





#7

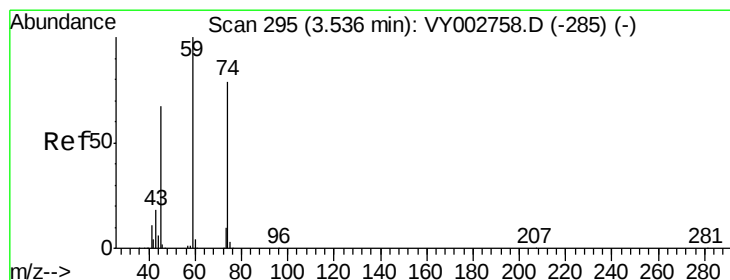
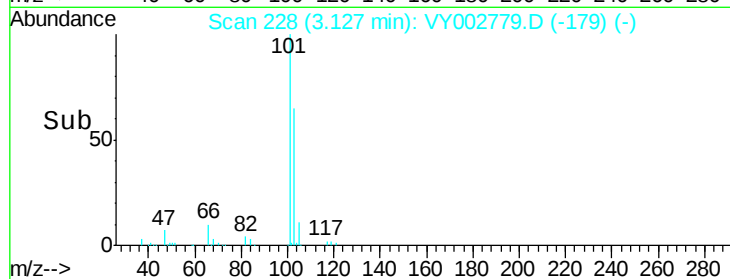
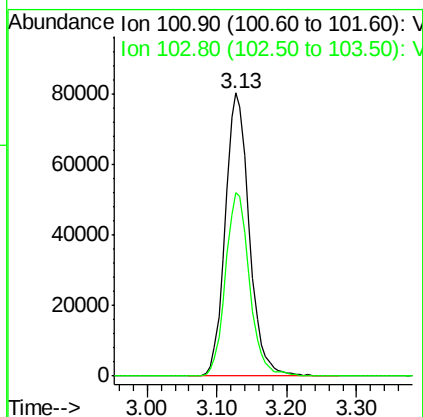
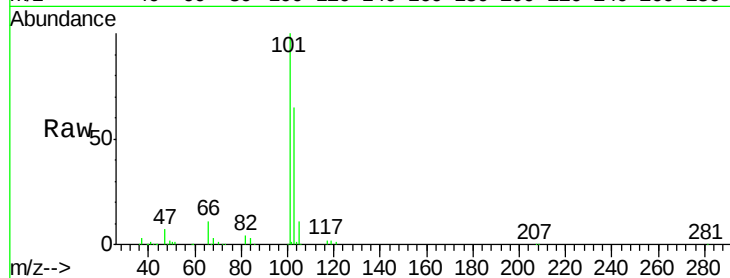
Trichlorofluoromethane
Concen: 46.463 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	191135		
103	64.8	50.6	76.0	

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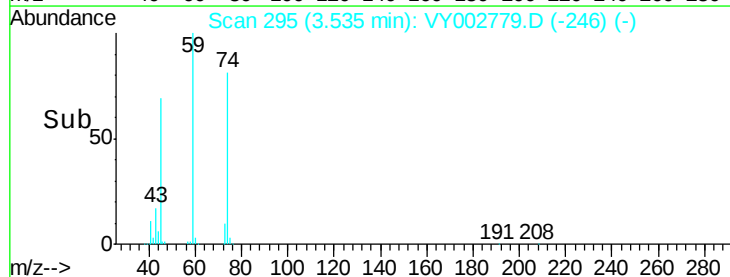
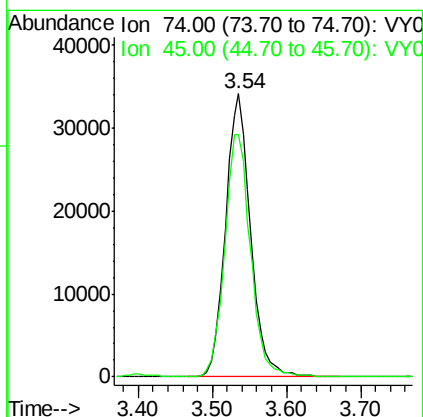
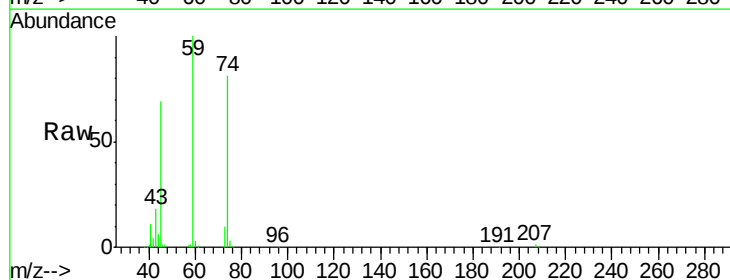
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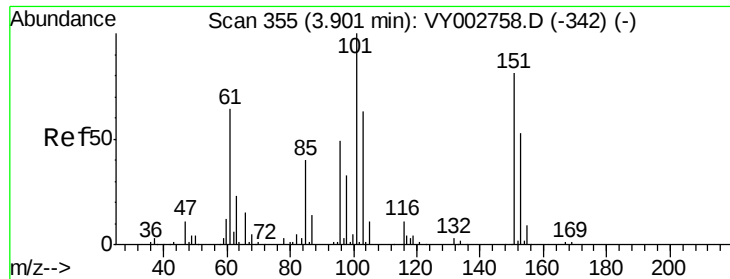


#8

Diethyl Ether
Concen: 49.592 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	79659		
45	89.3	44.0	131.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.919 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

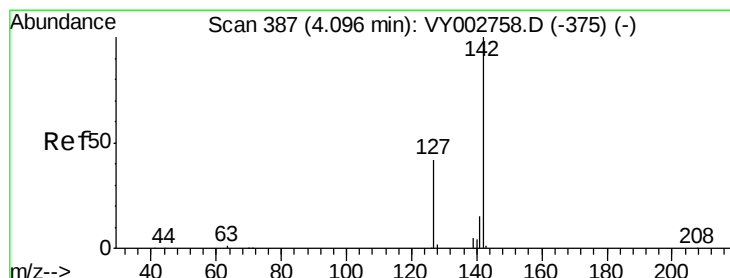
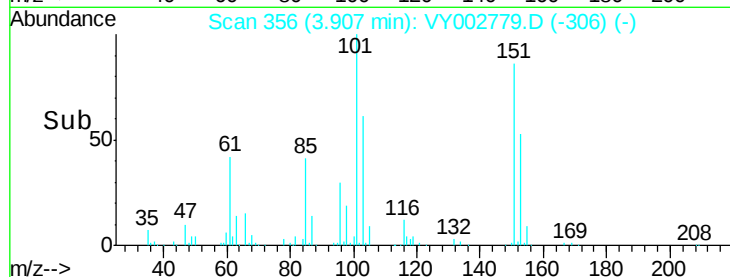
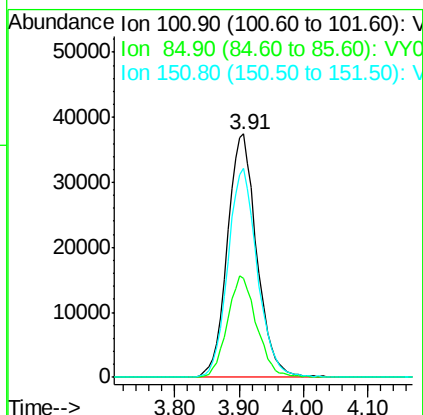
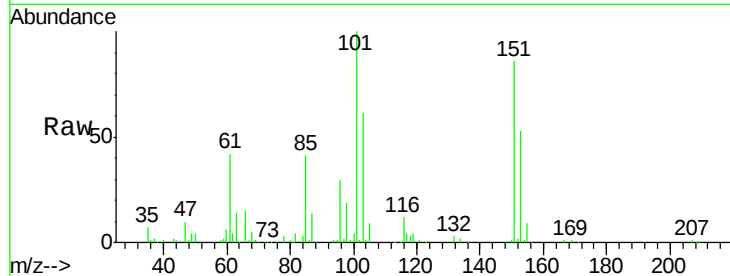
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	119483
Ion Ratio	Lower	Upper	
101	100		
85	41.5	32.7	49.1
151	86.1	68.0	102.0

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#10

Methyl Iodide

Concen: 45.231 ug/l

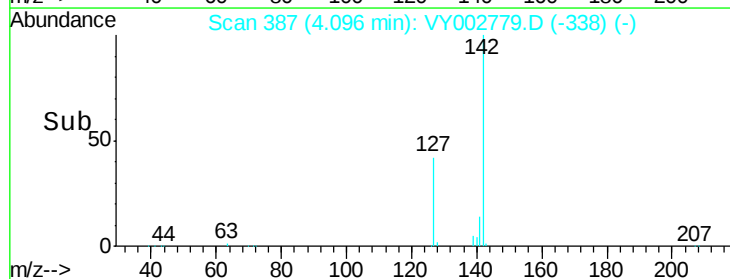
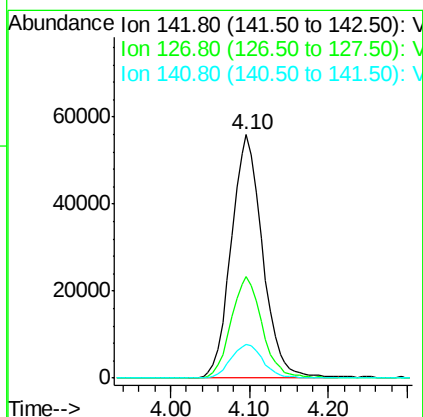
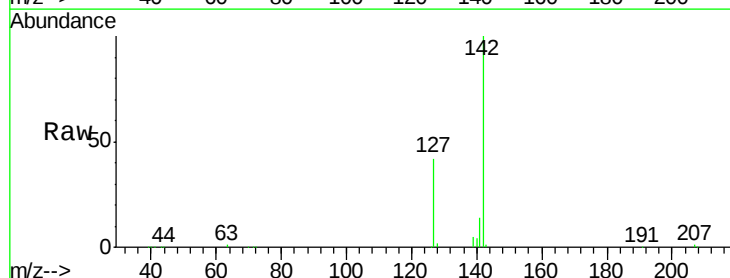
RT: 4.10 min Scan# 387

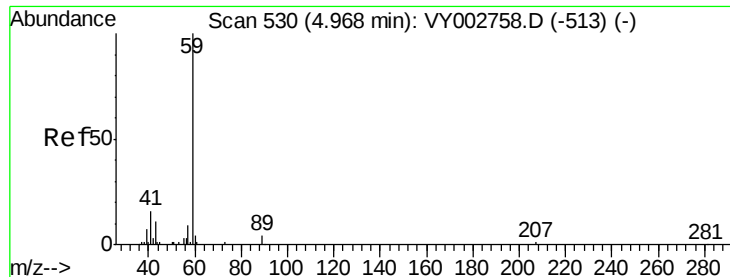
Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Tgt Ion:	142	Resp:	154582
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.3	49.9
141	14.3	11.5	17.3





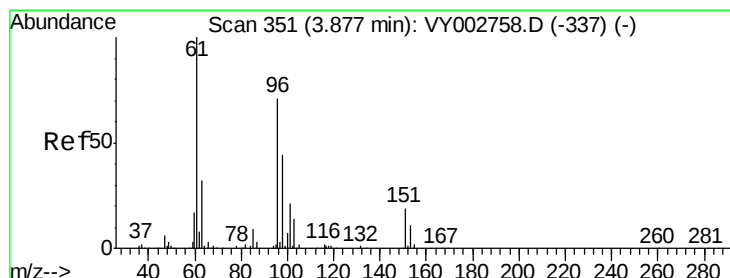
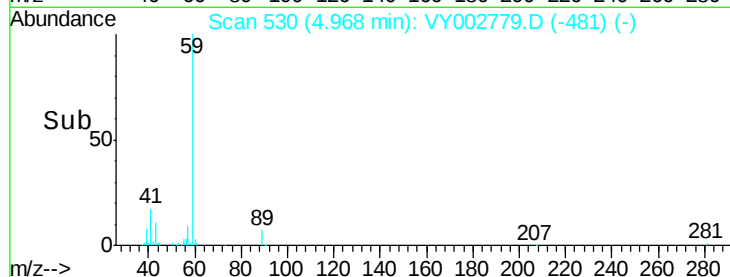
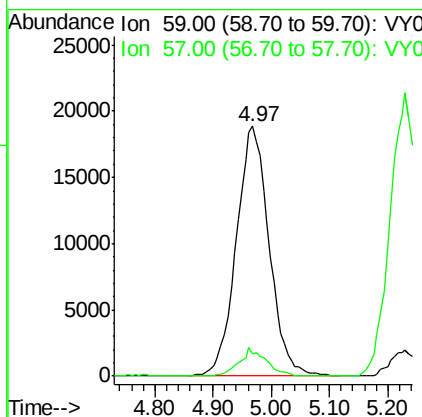
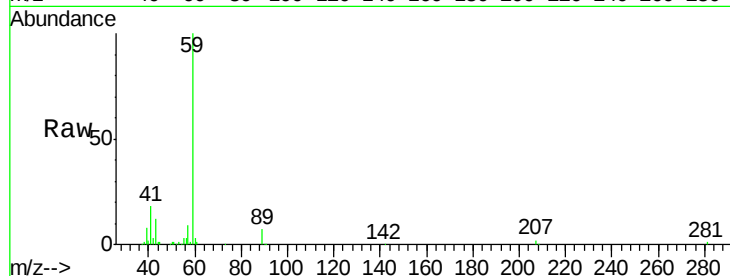
#11
Tert butyl alcohol
Concen: 275.032 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.7	11.5

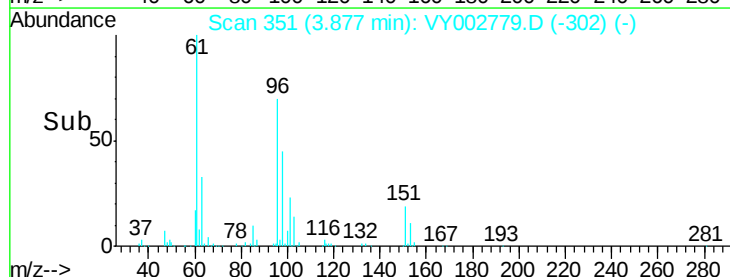
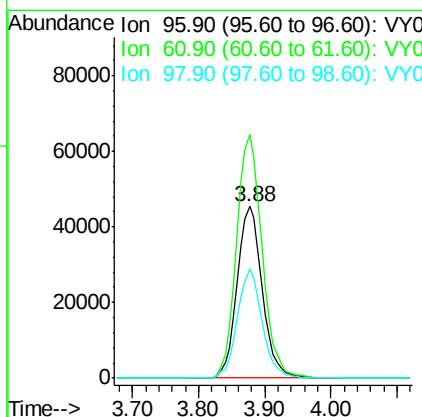
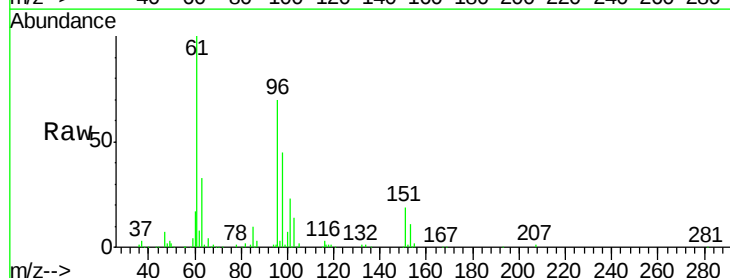
Manual Integrations
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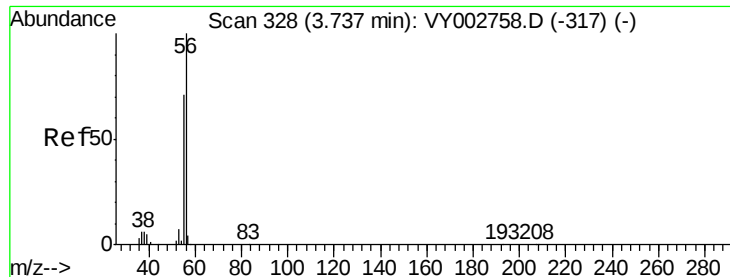
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.721 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.9	112.6	168.8
98	63.9	50.0	75.0





#13

Acrolein

Concen: 234.873 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 69004

Ion Ratio Lower Upper

56 100

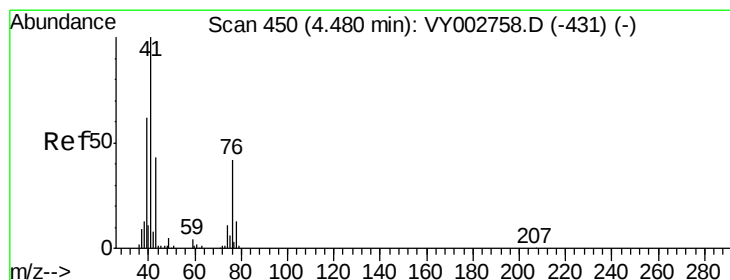
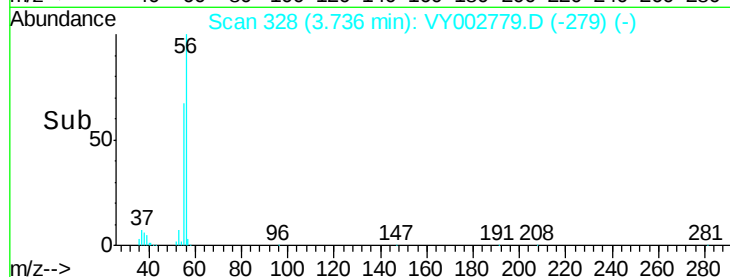
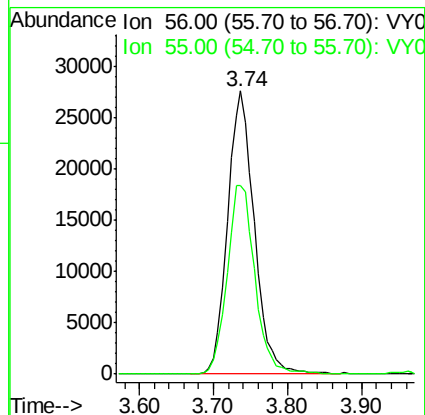
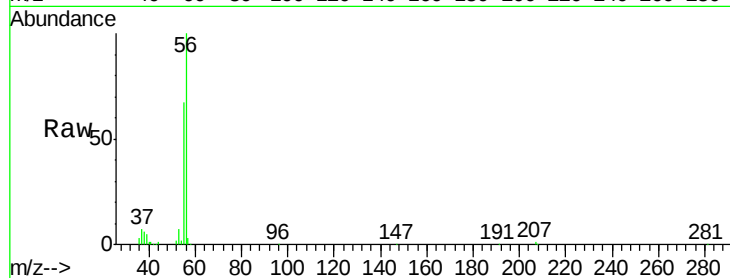
55 69.3 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 51.027 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

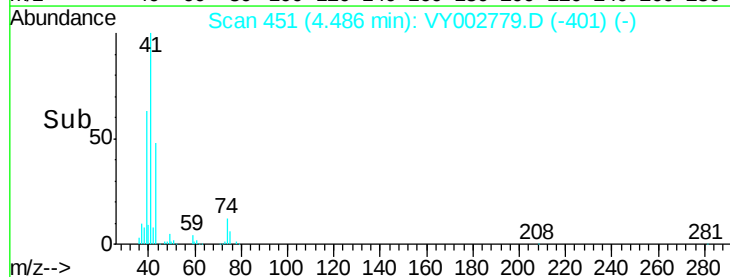
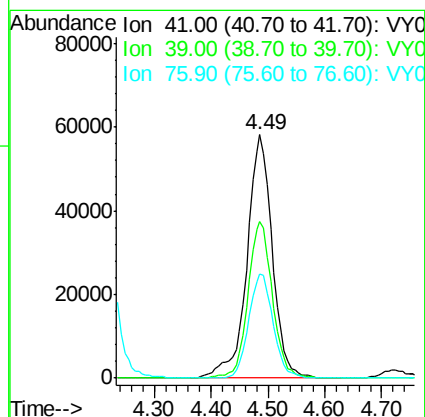
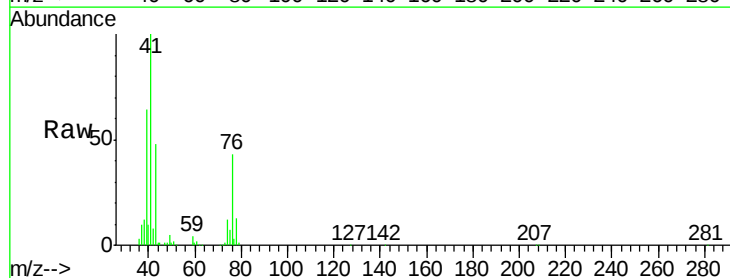
Tgt Ion: 41 Resp: 179761

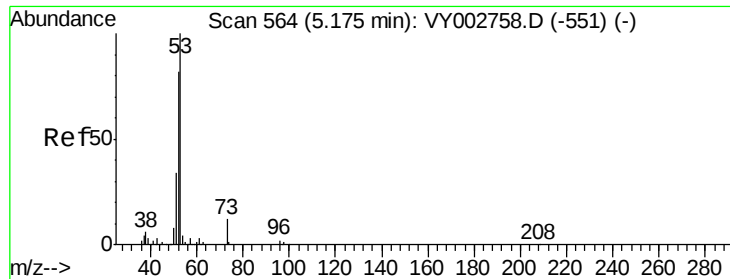
Ion Ratio Lower Upper

41 100

39 62.5 49.9 74.9

76 41.1 33.2 49.8





#15

Acrylonitrile

Concen: 271.496 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

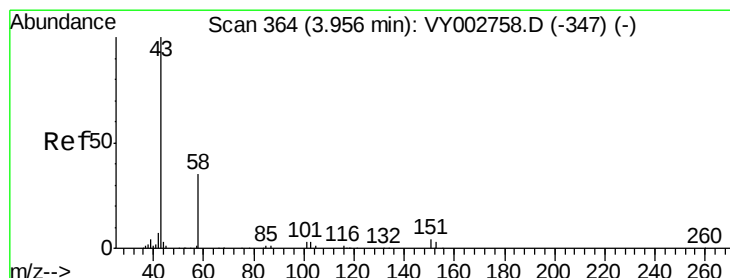
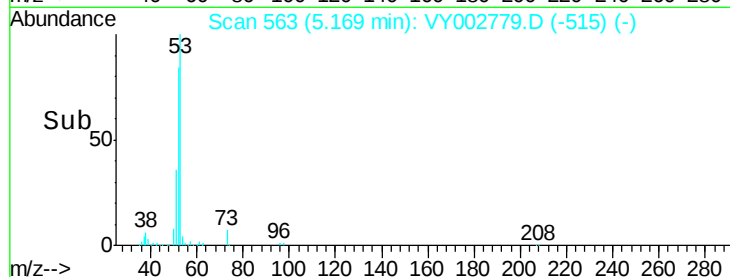
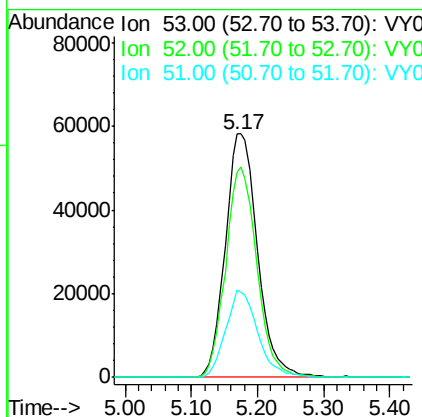
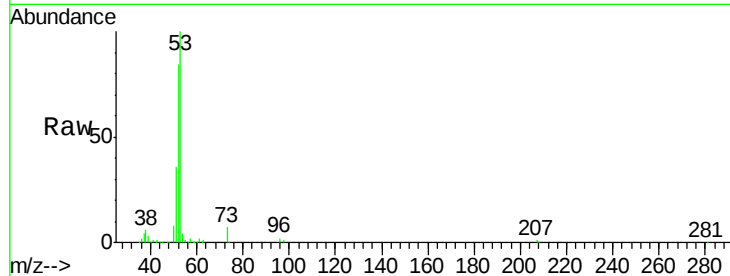
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	196739
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.3	97.9
51	35.5	28.0	42.0

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#16

Acetone

Concen: 241.395 ug/l

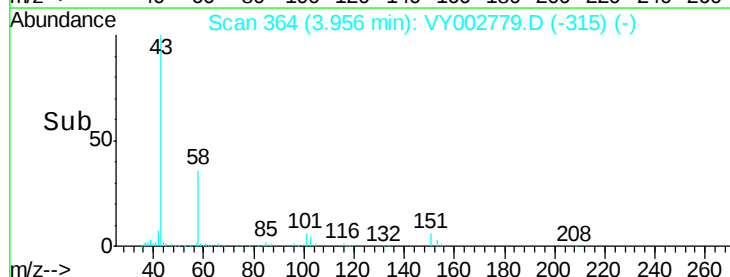
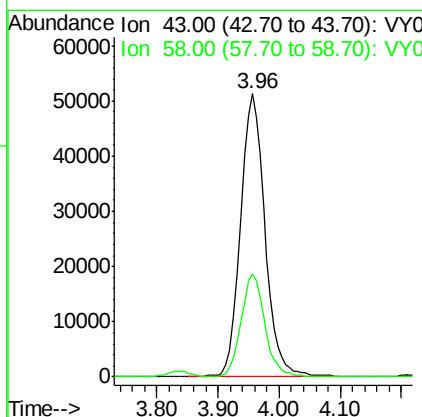
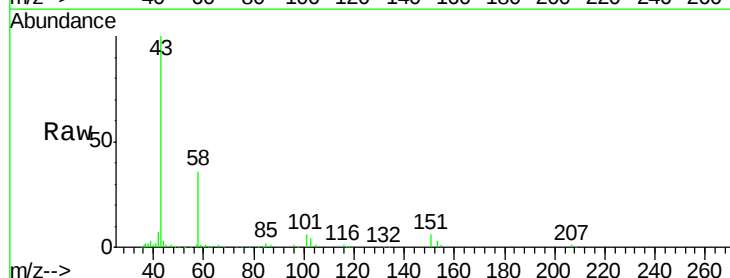
RT: 3.96 min Scan# 364

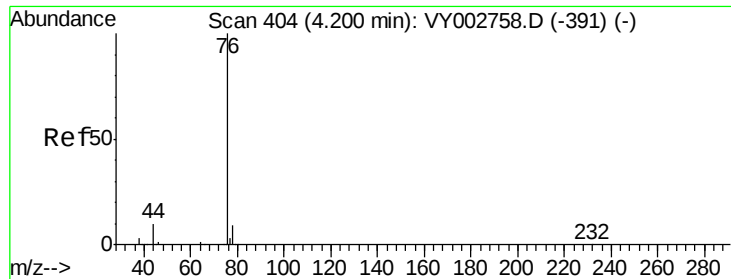
Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Tgt Ion:	43	Resp:	141907
Ion	Ratio	Lower	Upper
43	100		
58	36.2	27.7	41.5





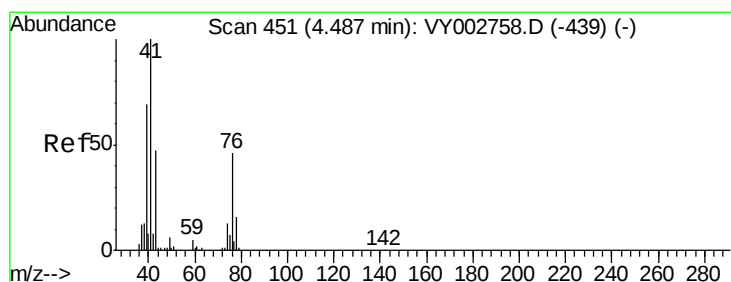
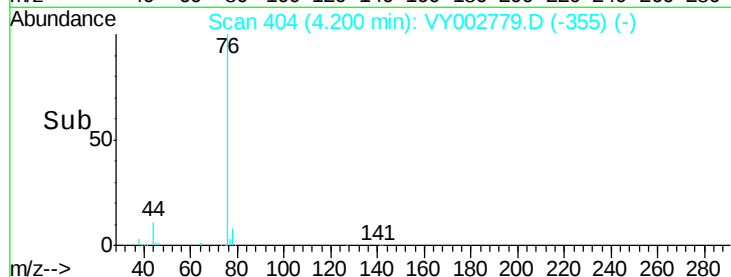
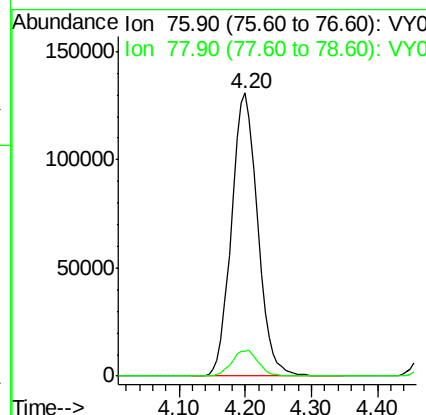
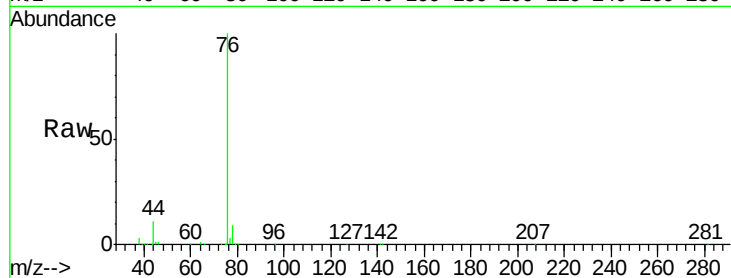
#17
Carbon Disulfide
Concen: 48.405 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.9	10.3

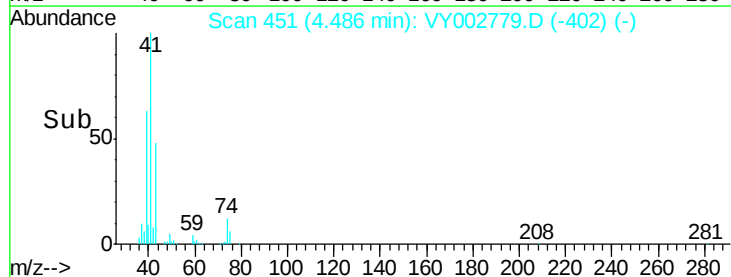
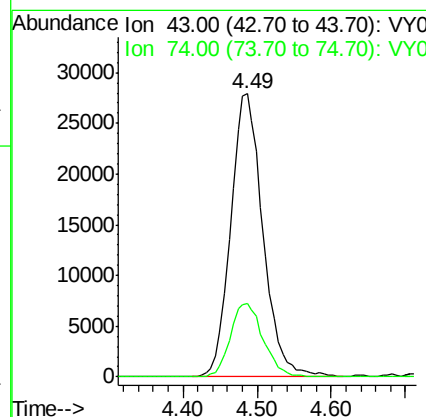
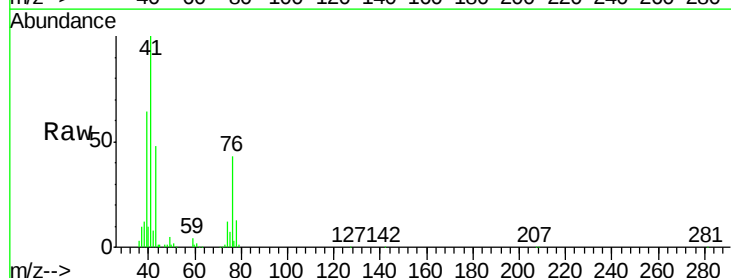
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#18
Methyl Acetate
Concen: 57.321 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	21.4	32.0





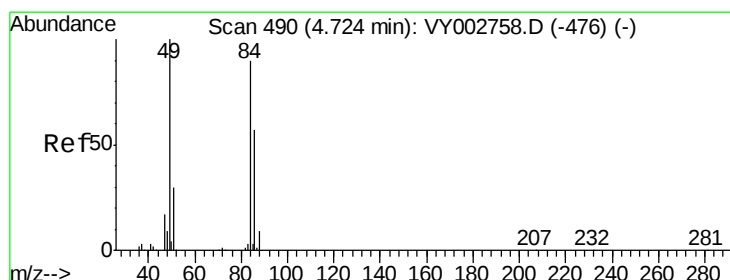
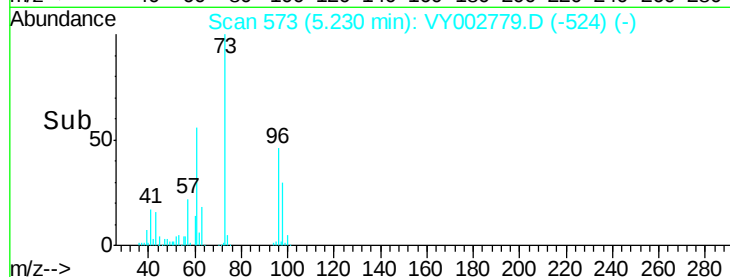
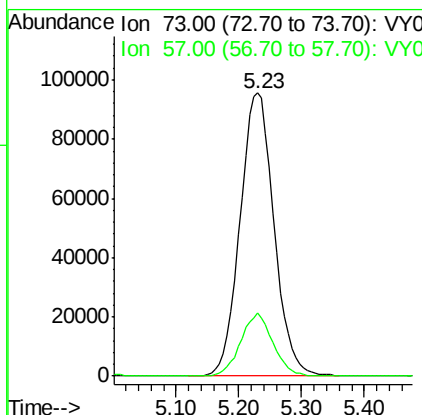
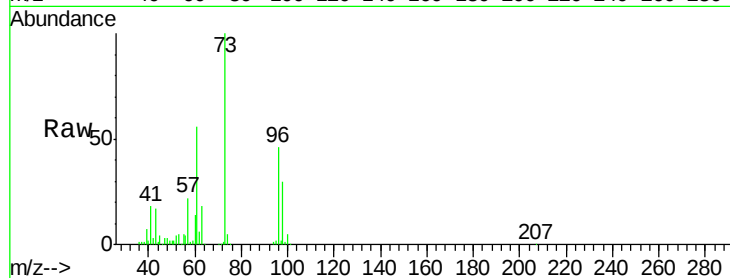
#19
Methvl tert-butvl Ether
Concen: 52.838 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.0	25.4

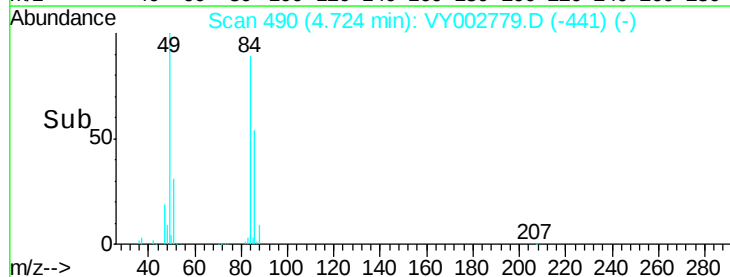
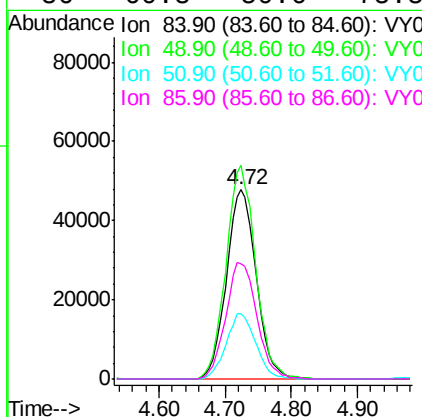
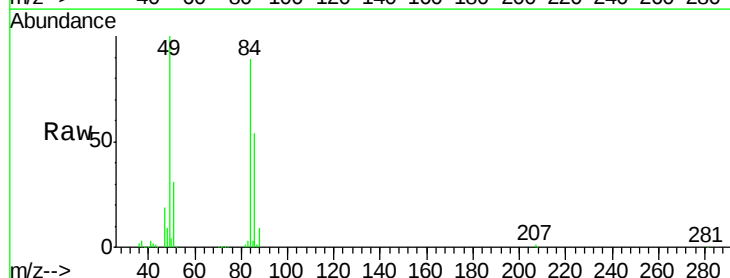
Manual Integrations
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#20
Methylene Chloride
Concen: 51.972 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.8	88.5	132.7
51	34.4	26.8	40.2
86	60.8	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 49.657 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 137170

Ion Ratio Lower Upper

96 100

61 122.6 96.8 145.2

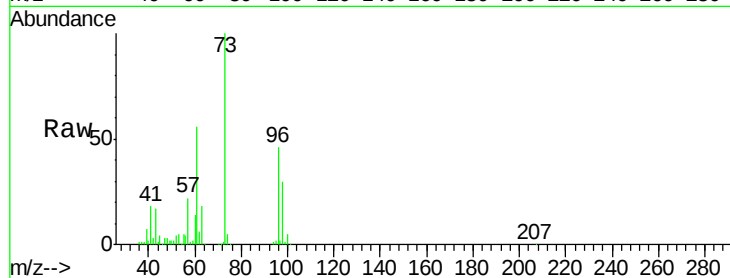
98 65.1 49.4 74.0

Manual Integrations

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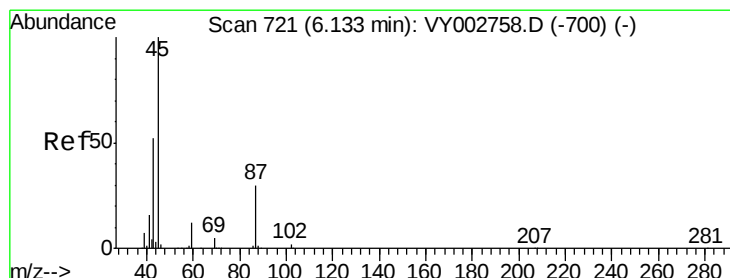
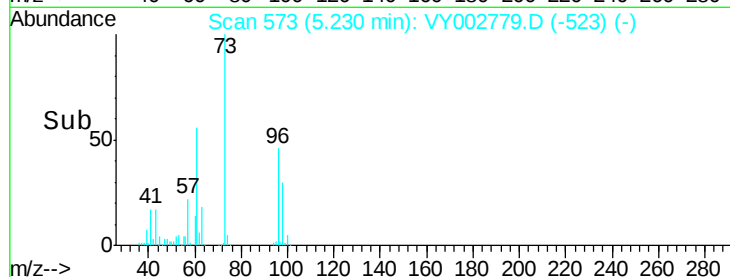
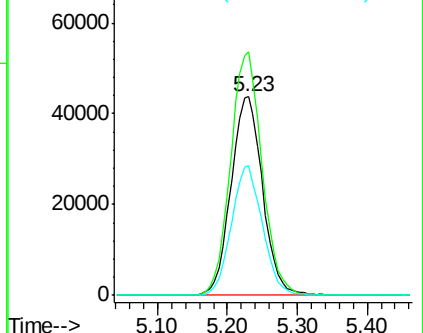
5/28/2020 2:08:51 PM



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: 52.988 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Tgt Ion: 45 Resp: 387914

Ion Ratio Lower Upper

45 100

43 56.2 41.7 62.5

87 30.6 24.2 36.2

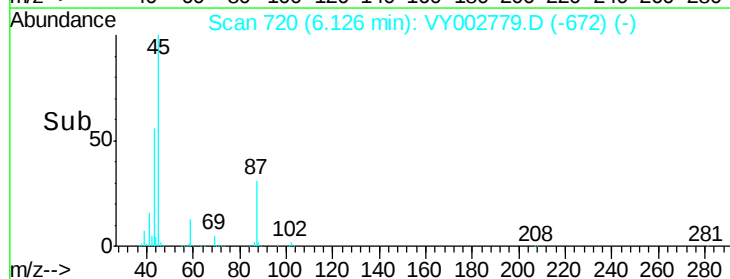
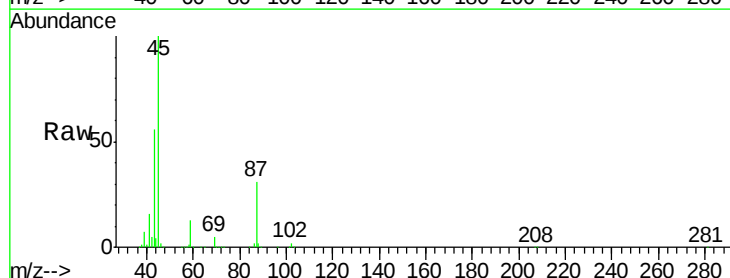
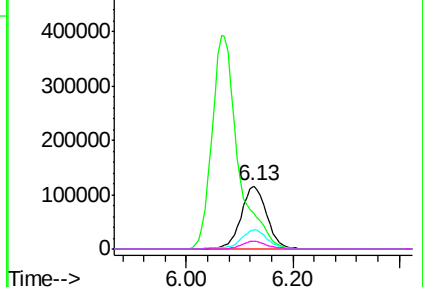
59 12.6 9.8 14.8

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





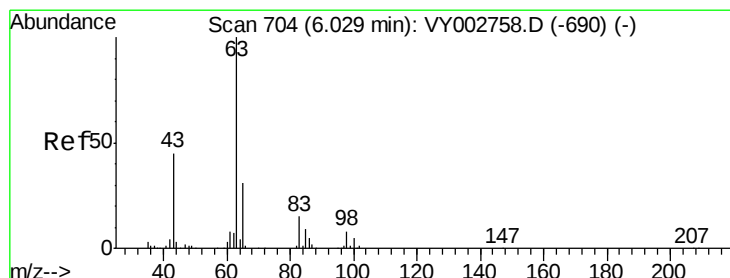
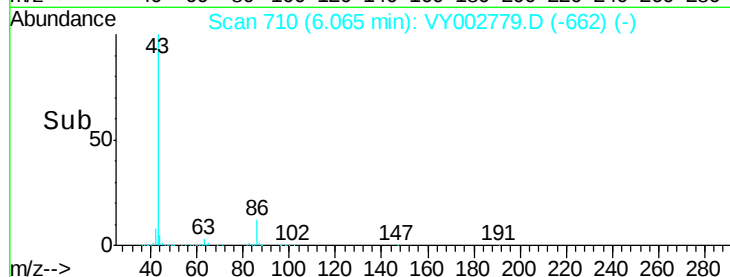
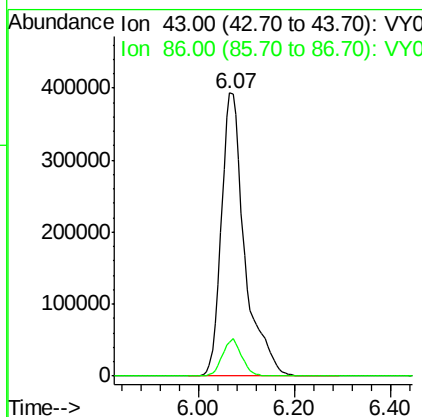
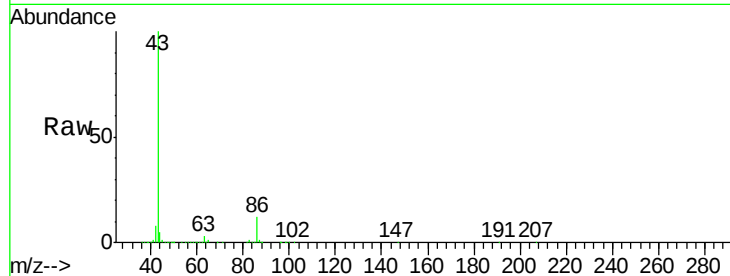
#23
 Vinyl Acetate
 Concen: 275.345 ug/l
 RT: 6.07 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1330841
 Ion Ratio Lower Upper
 43 100
 86 12.1 10.2 15.2

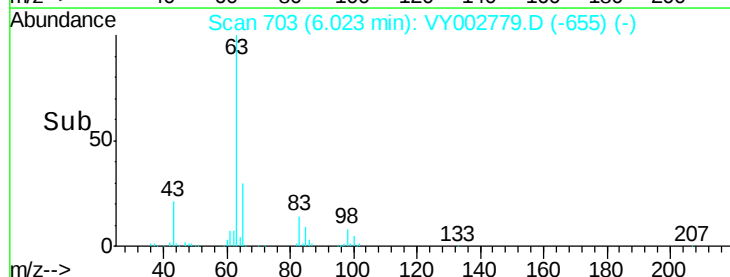
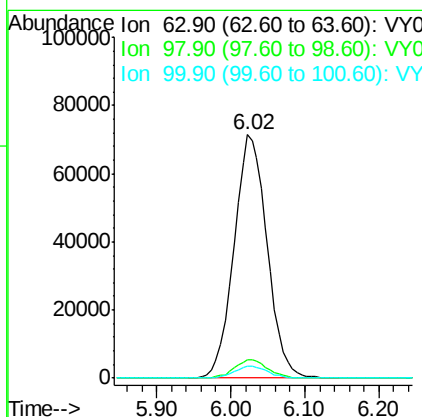
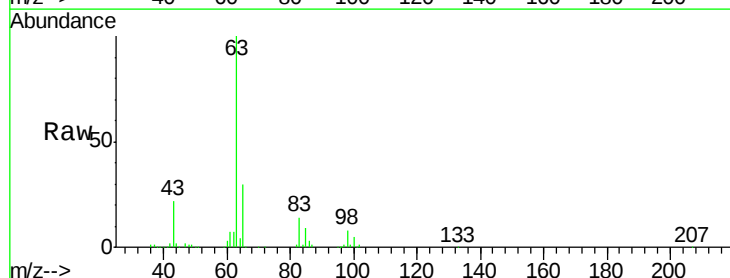
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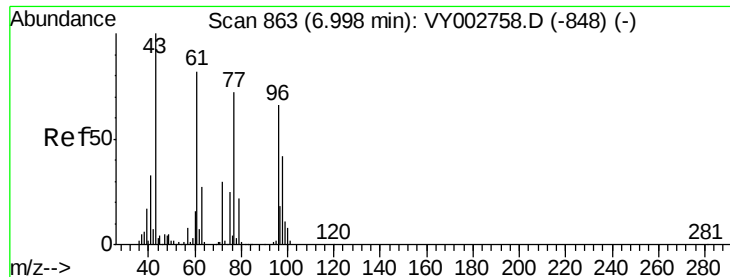
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#24
 1,1-Dichloroethane
 Concen: 51.871 ug/l
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Tgt Ion: 63 Resp: 222136
 Ion Ratio Lower Upper
 63 100
 98 7.7 4.0 12.2
 100 5.0 2.4 7.1





#25

2-Butanone

Concen: 270.363 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 247622

Ion Ratio Lower Upper

43 100

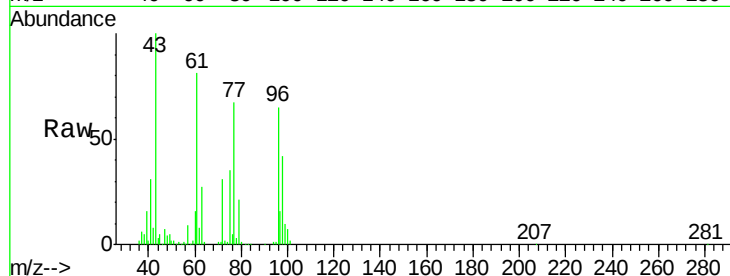
72 31.1 23.9 35.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

6.99

100000

80000

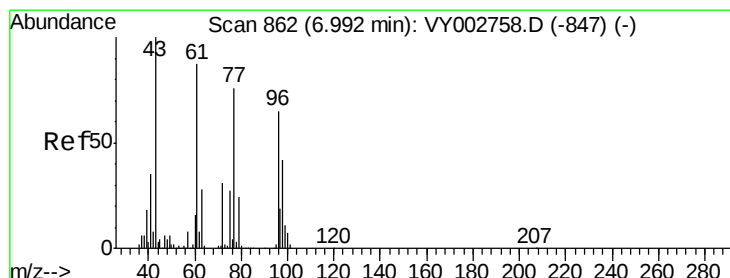
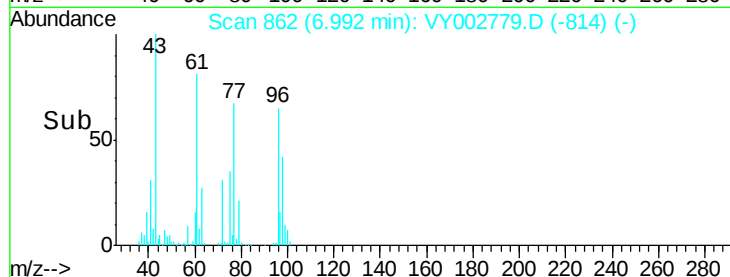
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 43.843 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY002779.D

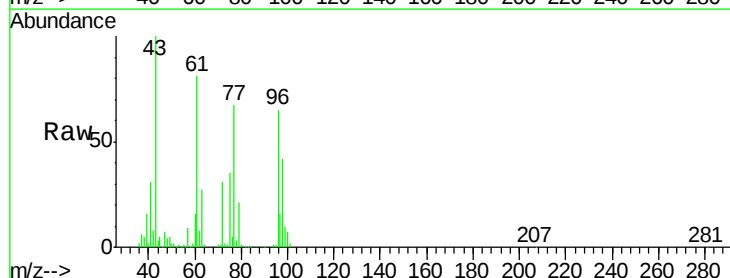
Acq: 27 May 2020 21:16

Tgt Ion: 77 Resp: 180071

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

6.99

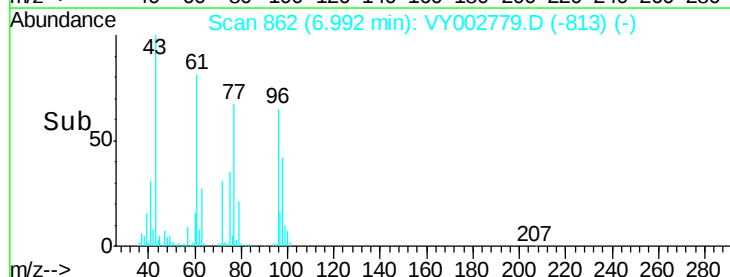
60000

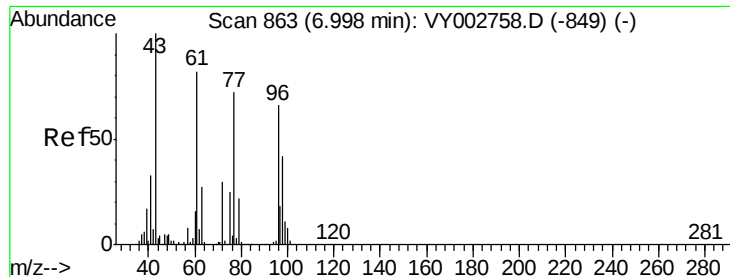
40000

20000

0

Time-->





#27

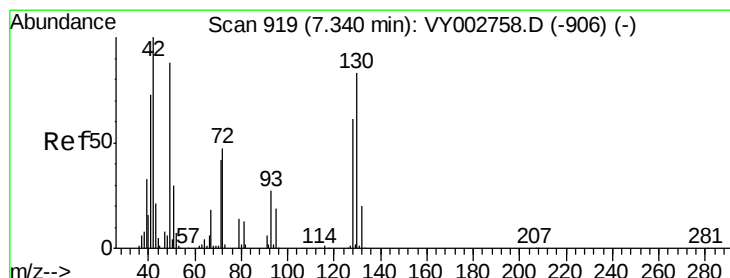
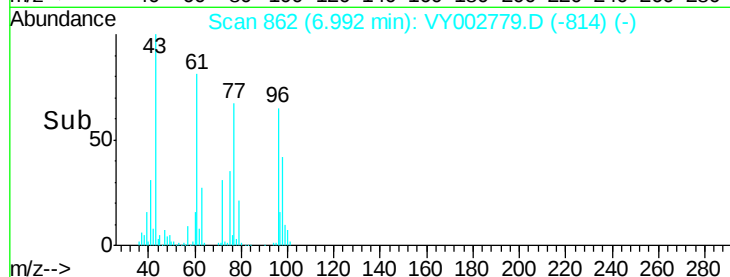
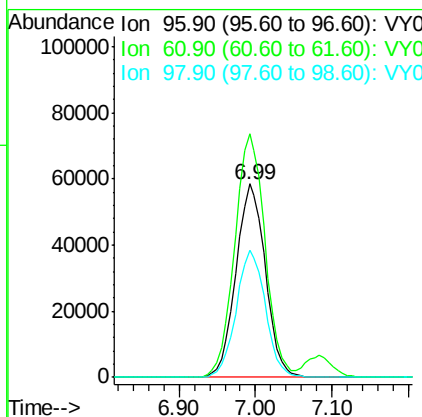
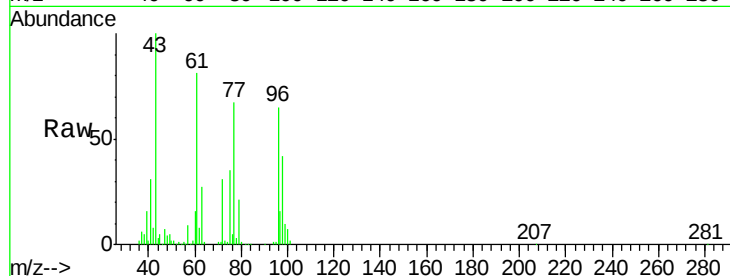
cis-1,2-Dichloroethene
 Concen: 50.594 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	128.7	0.0	260.2	
98	65.0	0.0	128.2	

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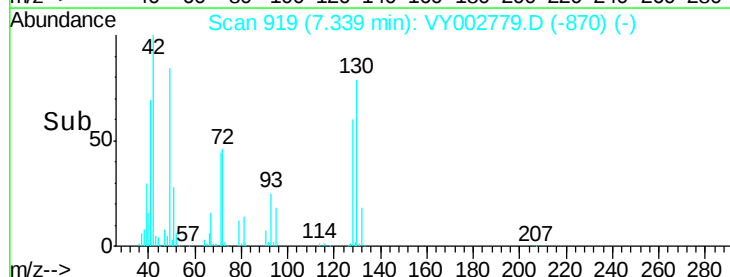
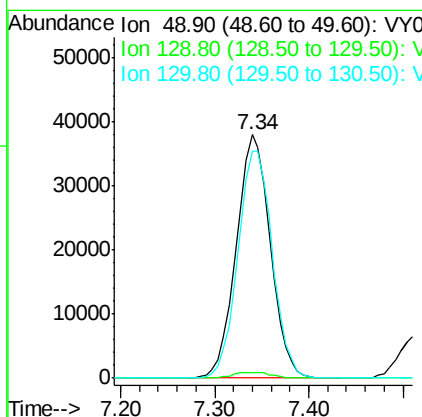
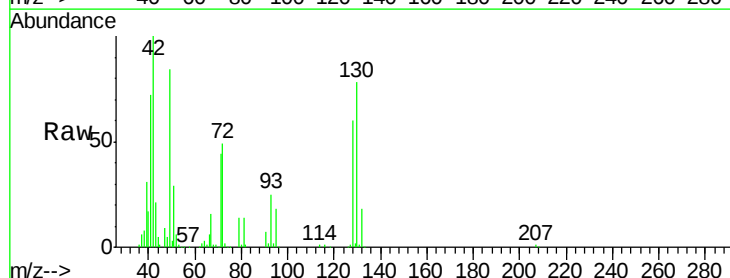
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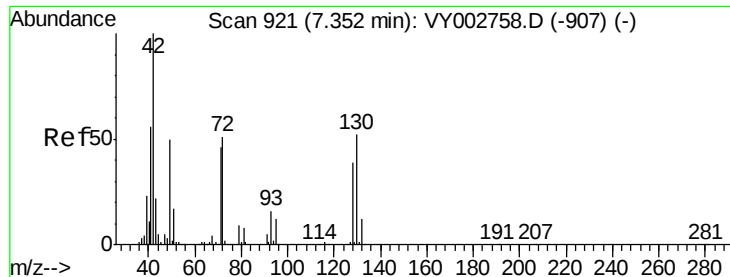


#28

Bromochloromethane
 Concen: 54.485 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	5.2	
130	94.8	77.1	115.7	





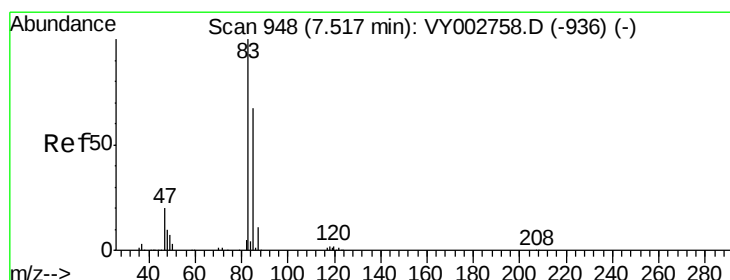
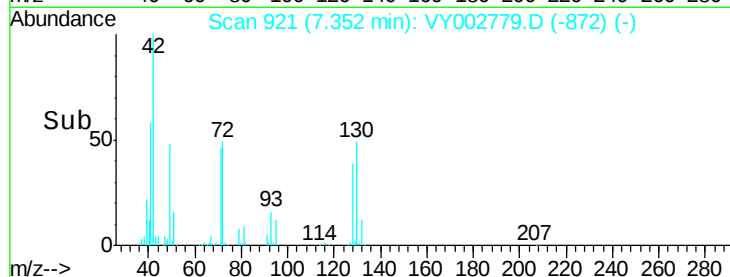
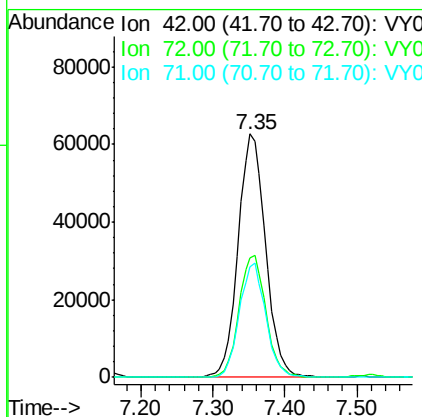
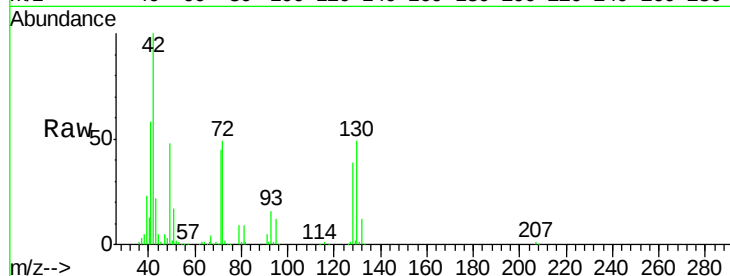
#29
Tetrahydrofuran
Concen: 278.996 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	38.6	58.0
71	45.0	35.8	53.8

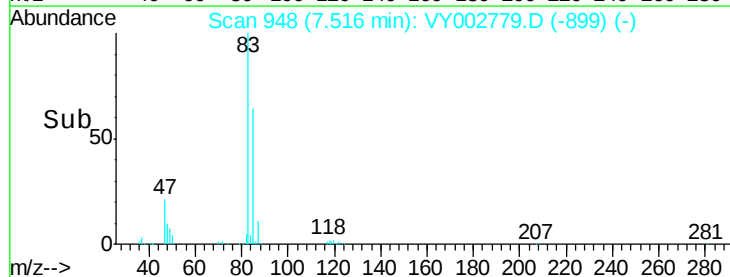
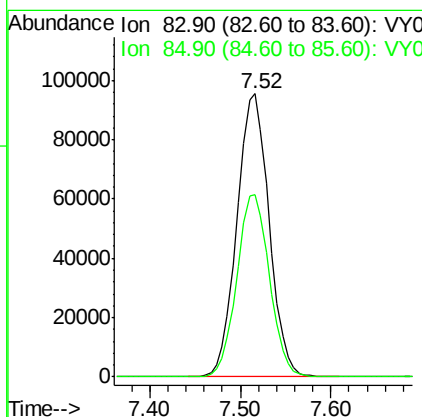
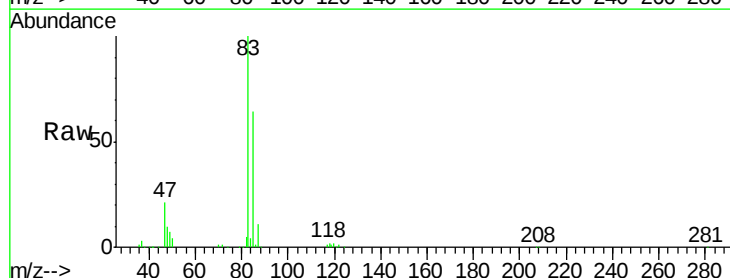
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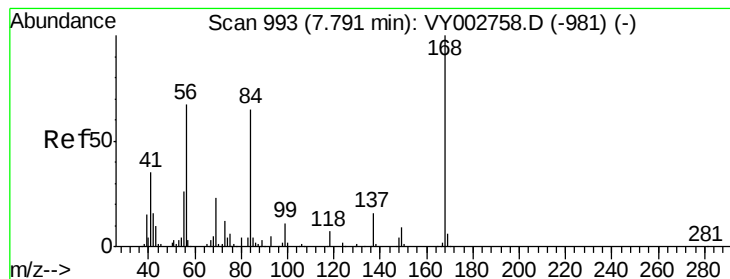
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#30
Chloroform
Concen: 51.667 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.8	80.8





#31

Cyclohexane

Concen: 46.252 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

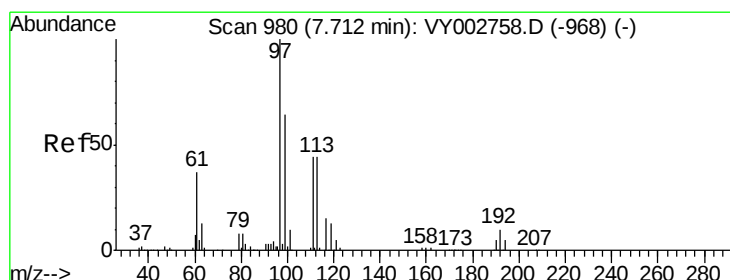
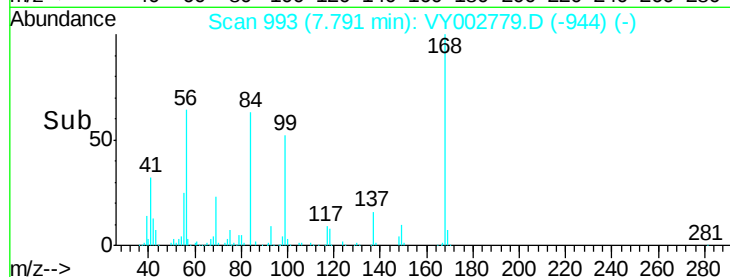
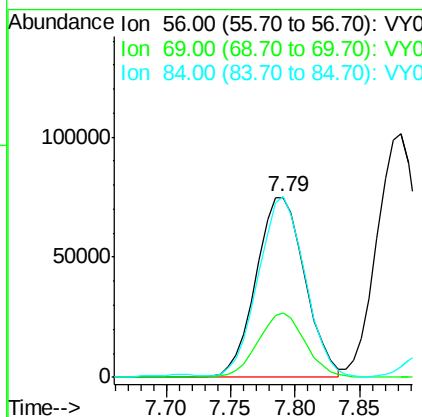
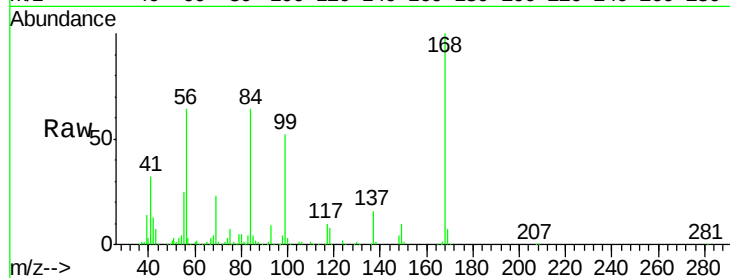
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	196658
Ion	Ratio	Lower	Upper
56	100		
69	35.5	28.0	42.0
84	98.9	77.7	116.5

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#32

1,1,1-Trichloroethane

Concen: 48.854 ug/l

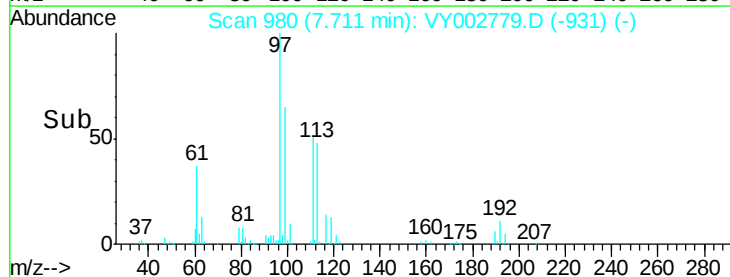
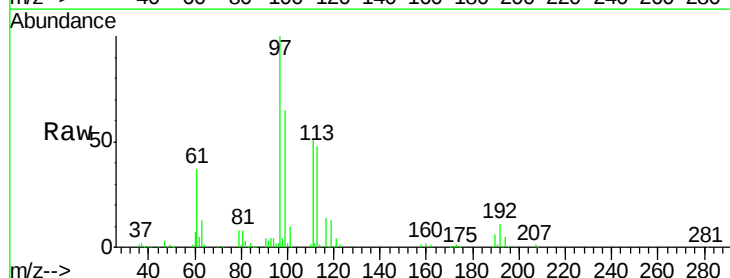
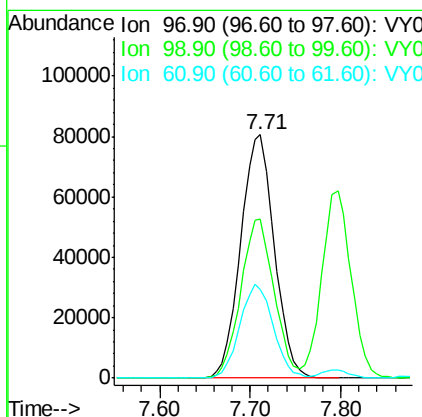
RT: 7.71 min Scan# 980

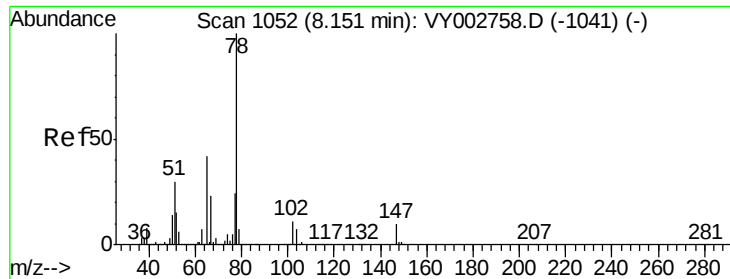
Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Tgt Ion:	97	Resp:	206877
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	38.2	30.1	45.1





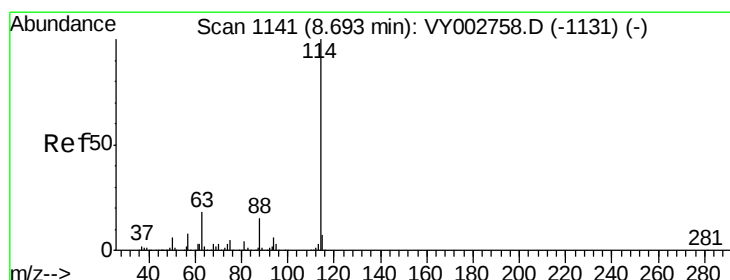
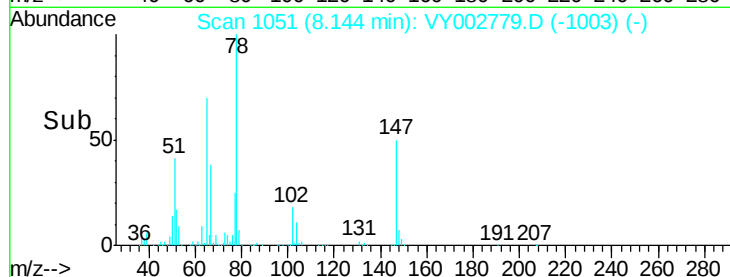
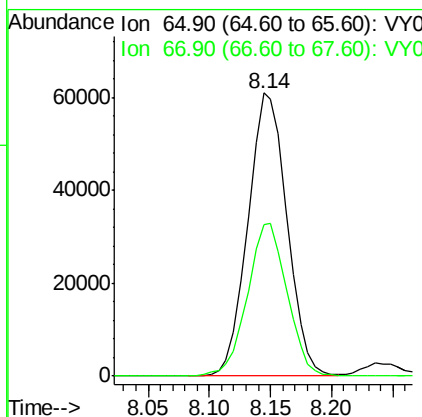
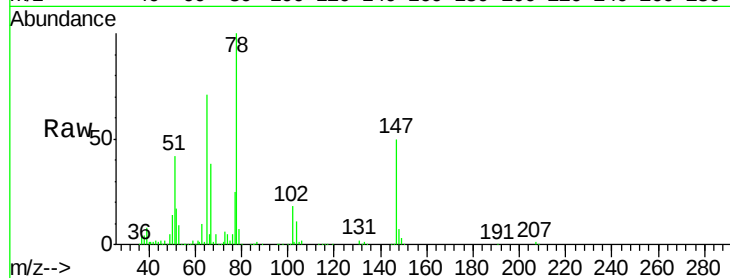
#33
 1,2-Dichloroethane-d4
 Concen: 54.126 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.8	0.0	111.0	

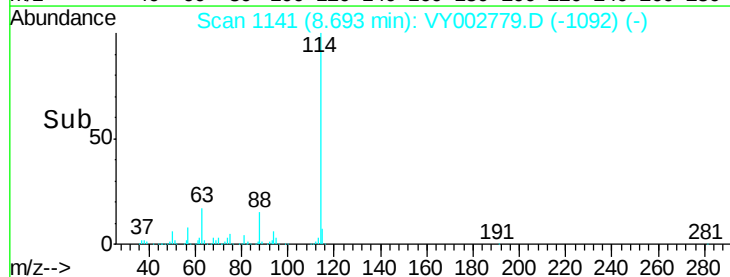
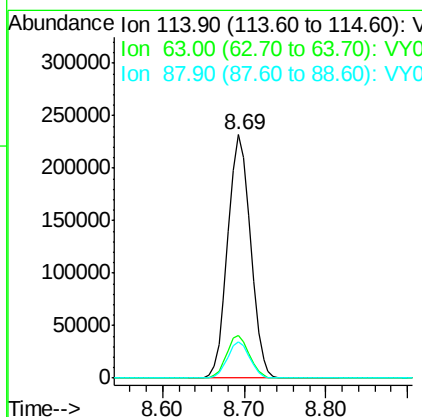
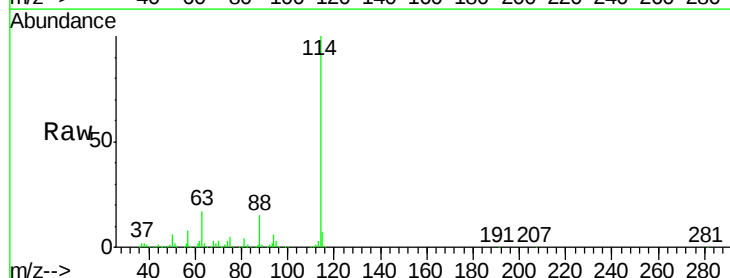
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.4	0.0	35.2	
88	14.9	0.0	29.2	





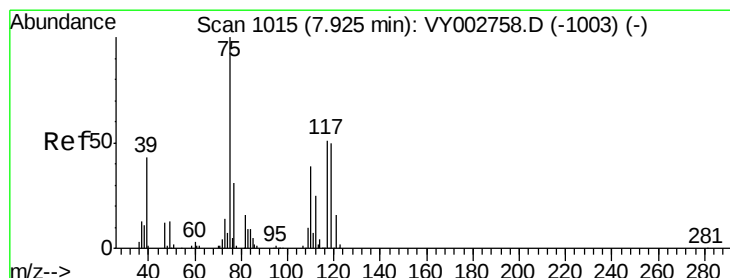
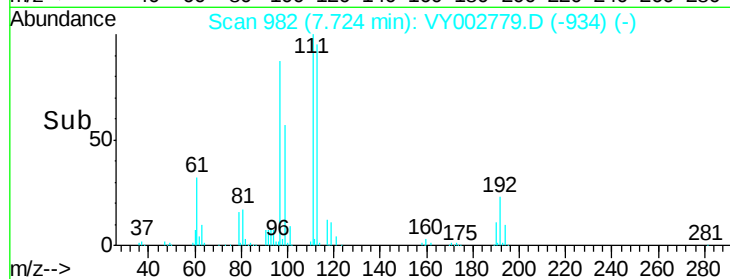
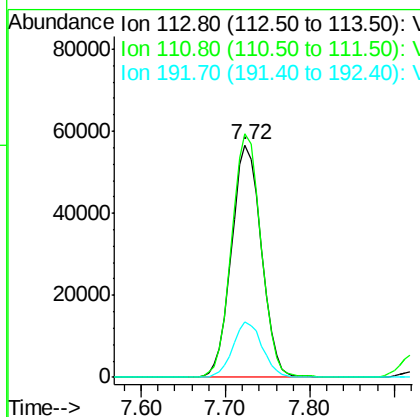
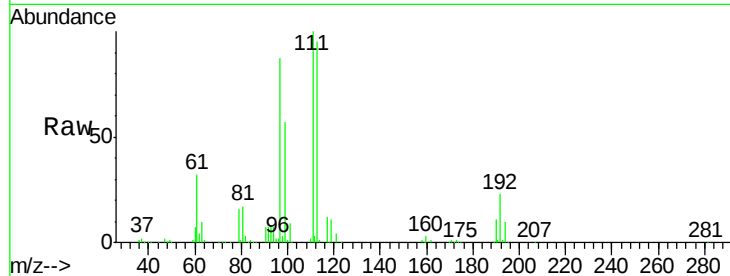
#35
 Dibromofluoromethane
 Concen: 51.940 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	82.0	123.0	
192	23.5	18.9	28.3	

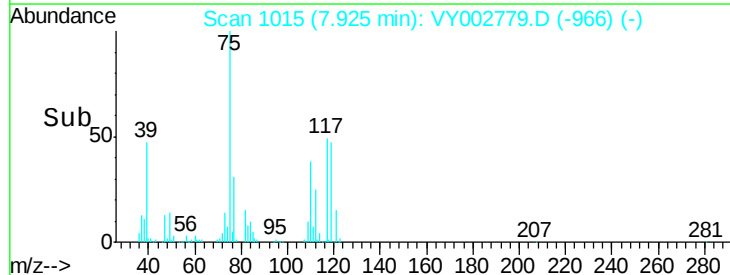
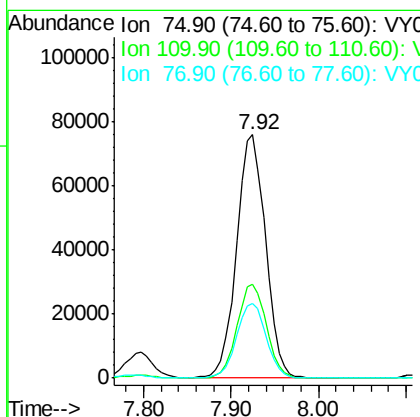
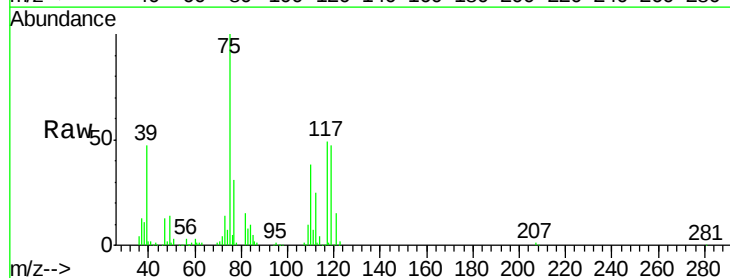
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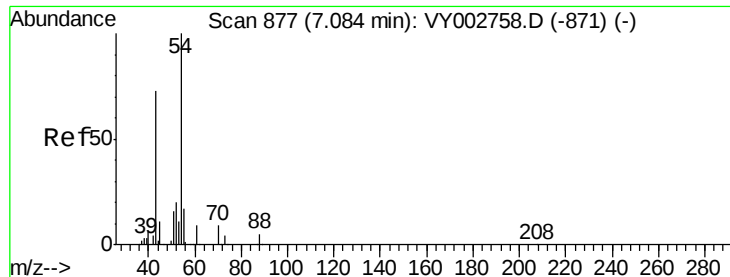
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#36
 1,1-Dichloropropene
 Concen: 46.723 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.8	19.3	57.9	
77	31.5	24.8	37.2	





#37

Ethyl Acetate

Concen: 52.619 ug/l

RT: 7.08 min Scan# 877

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

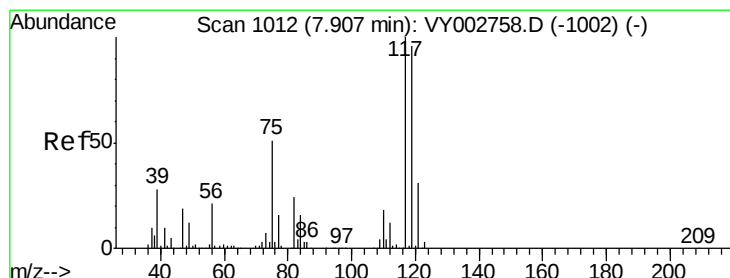
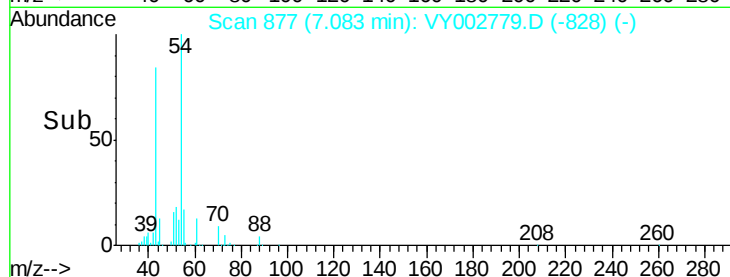
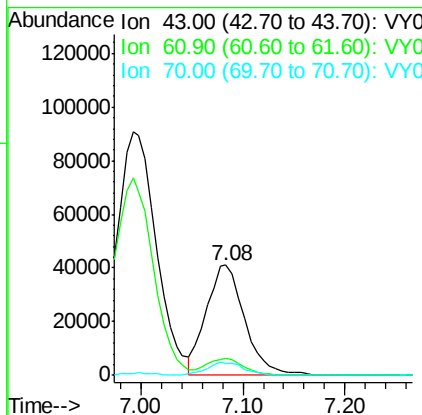
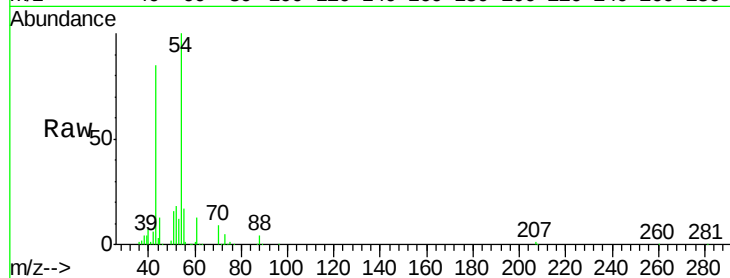
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	107437
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.9	17.9
70	11.3	9.1	13.7

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#38

Carbon Tetrachloride

Concen: 46.166 ug/l

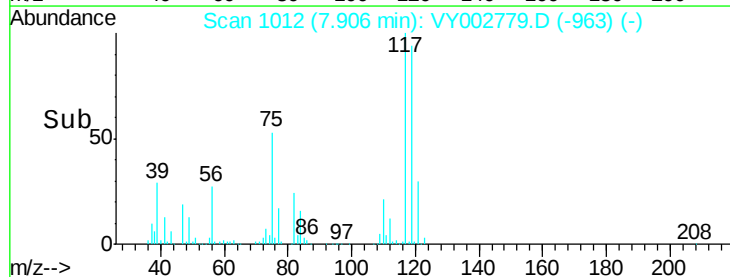
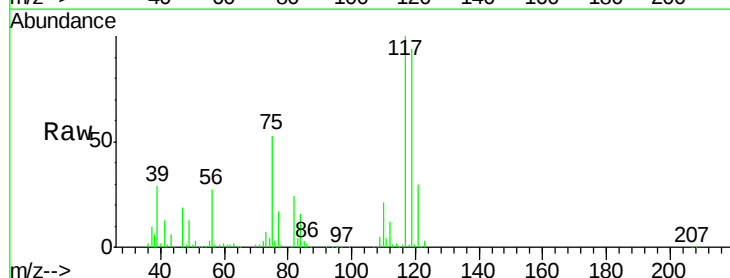
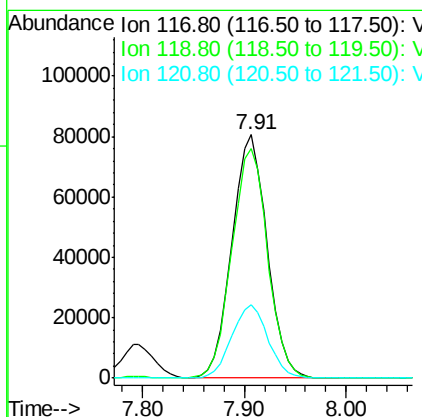
RT: 7.91 min Scan# 1012

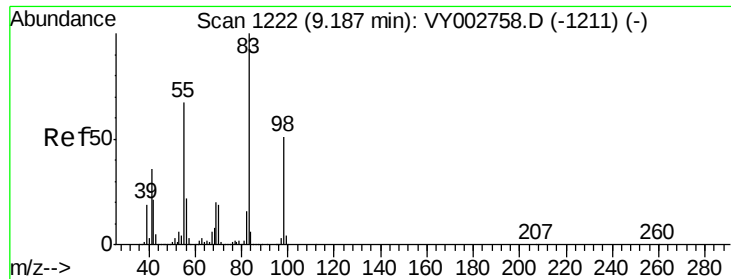
Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Tgt Ion:	117	Resp:	192461
Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.8	115.2
121	30.4	24.8	37.2





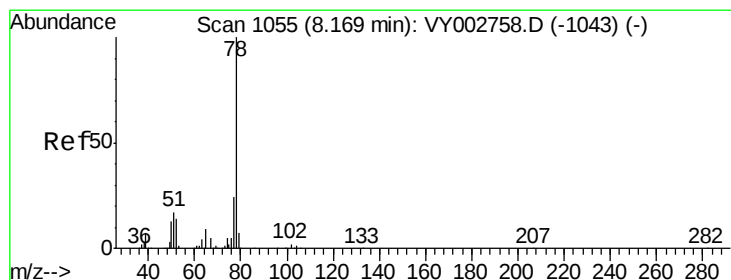
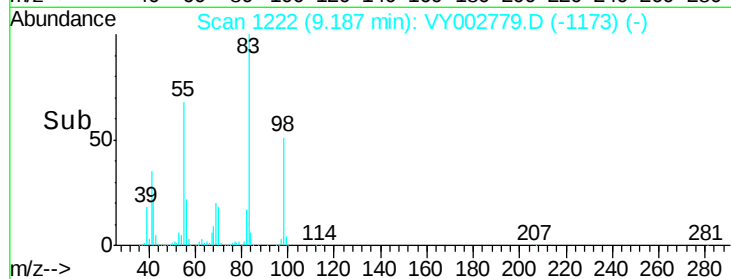
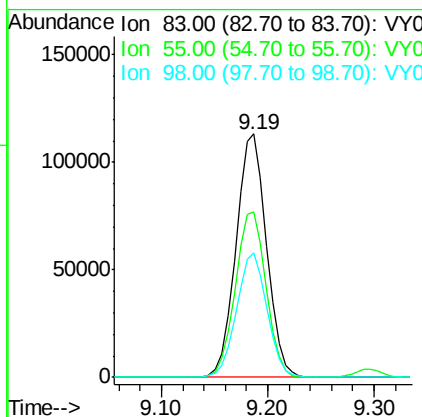
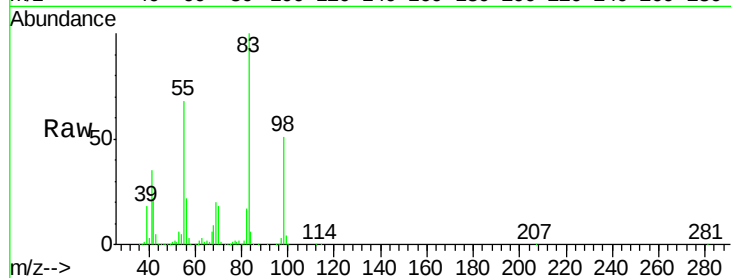
#39
Methvlcvclohexane
Concen: 46.024 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.8	53.3	79.9
98	51.2	41.1	61.7

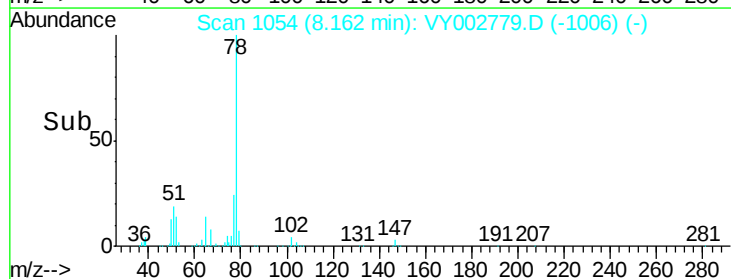
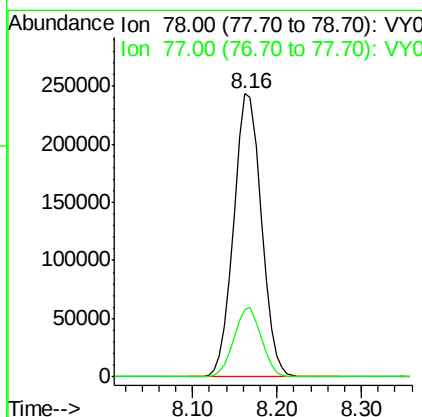
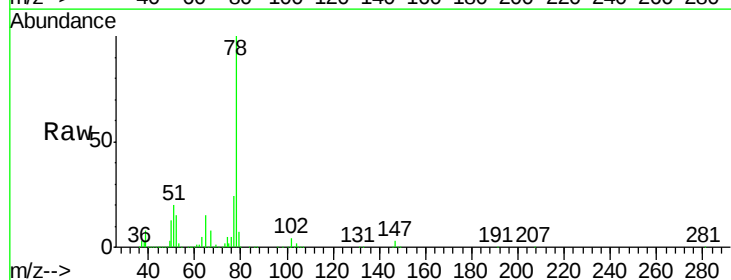
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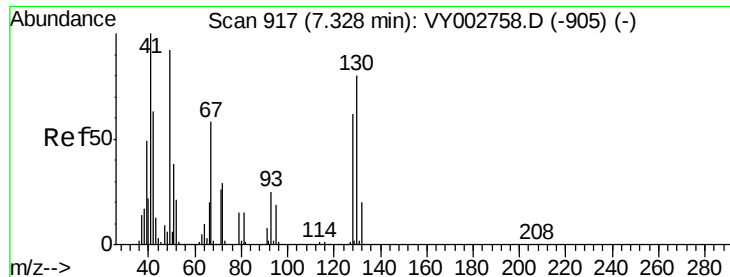
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#40
Benzene
Concen: 48.670 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





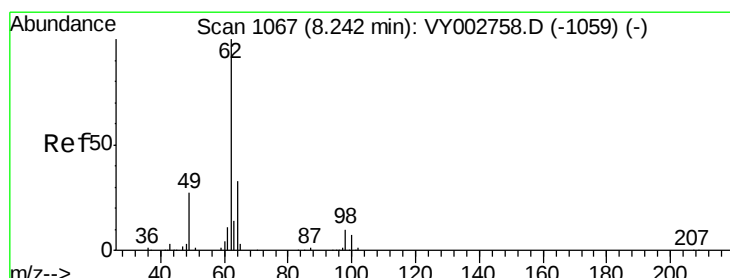
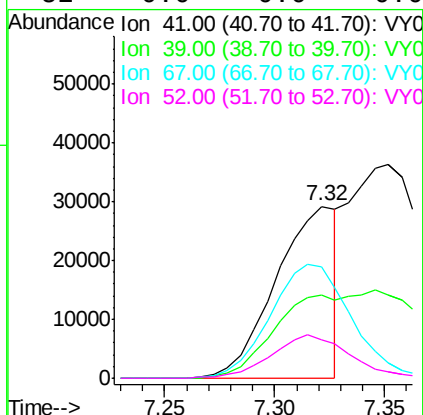
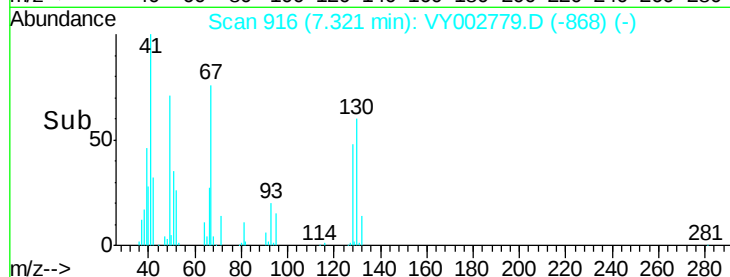
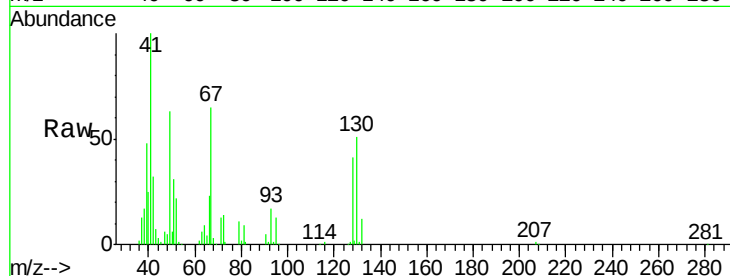
#41
Methacrylonitrile
Concen: 51.728 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	56740
Ion	Ratio	Lower	Upper
41	100		
39	0.0	97.6	146.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

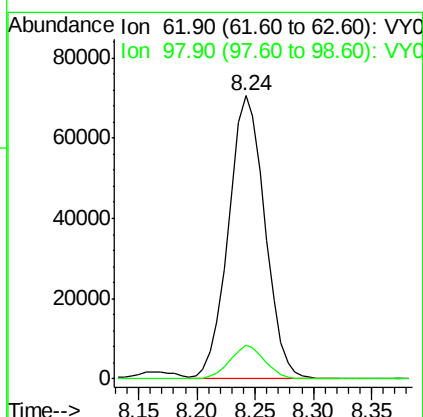
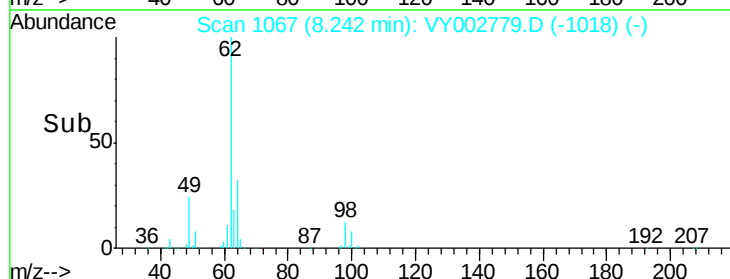
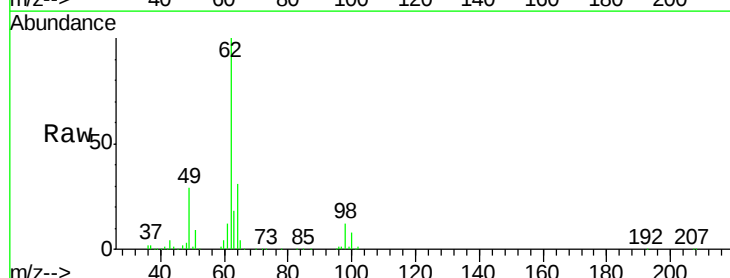
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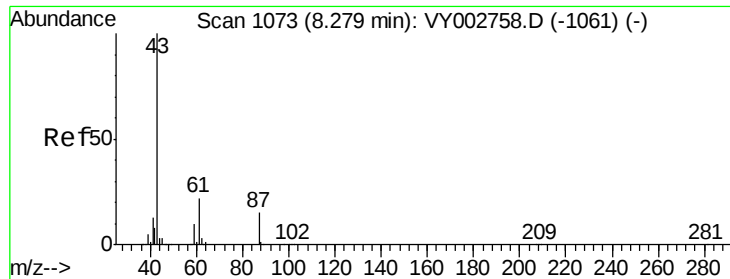
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#42
1,2-Dichloroethane
Concen: 49.460 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	62	Resp	153702
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	22.6





#43

Isopropyl Acetate

Concen: 52.735 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

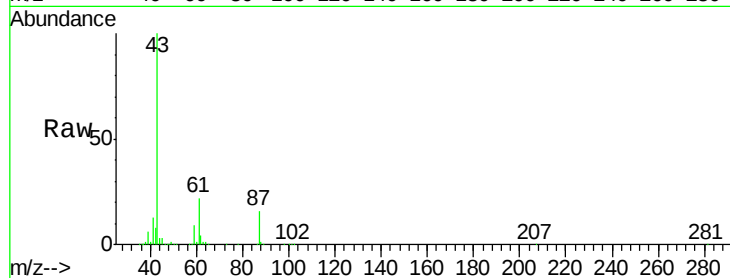
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	204043
Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.8	37.2
87	15.7	12.4	18.6

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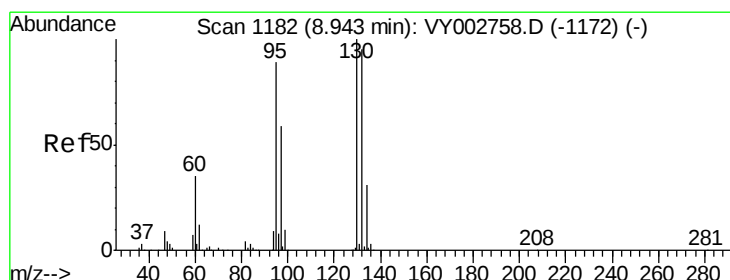
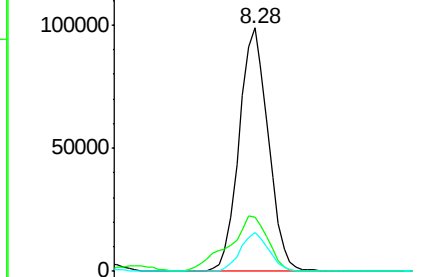
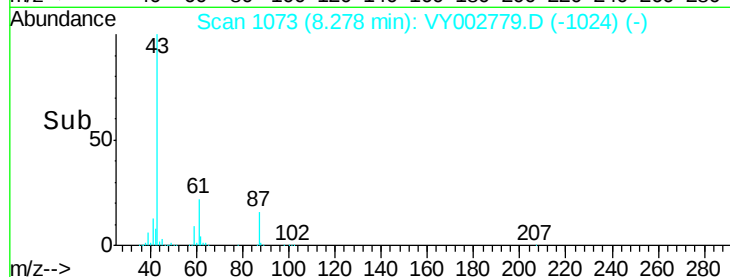


Abundance Ion 43.00 (42.70 to 43.70): VY002758.D (-1061) (-)

Ion 61.00 (60.70 to 61.70): VY002758.D (-1061) (-)

Ion 87.00 (86.70 to 87.70): VY002758.D (-1061) (-)

Time-->



#44

Trichloroethene

Concen: 47.940 ug/l

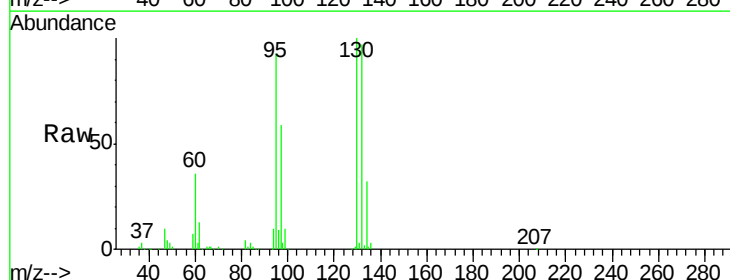
RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

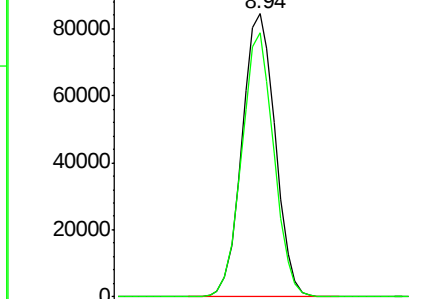
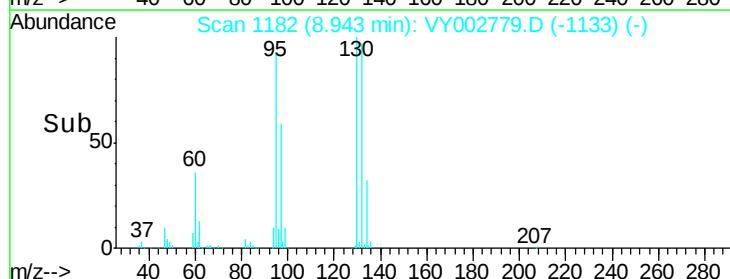
Tgt Ion:	130	Resp:	167914
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	178.8

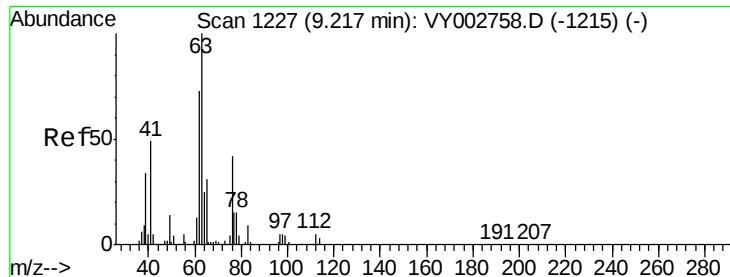


Abundance Ion 129.80 (129.50 to 130.50): VY002758.D (-1172) (-)

Ion 94.90 (94.60 to 95.60): VY002758.D (-1172) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 50.005 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 132973

Ion Ratio Lower Upper

63 100

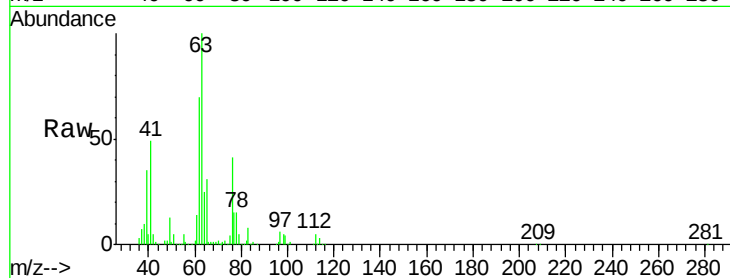
65 31.0 24.8 37.2

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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

9.22

80000

60000

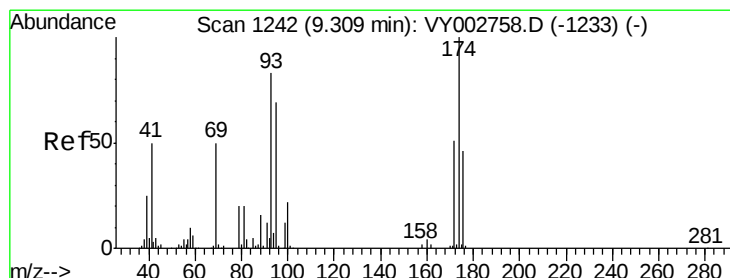
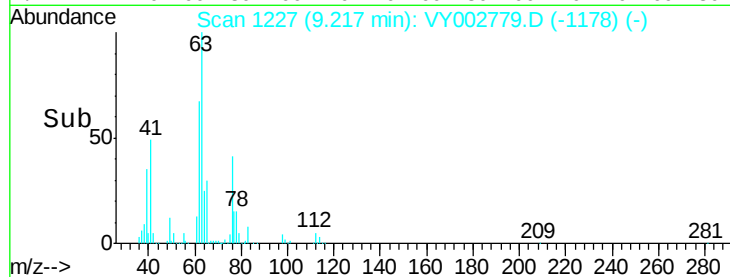
40000

20000

0

9.10 9.15 9.20 9.25 9.30

Time-->



#46

Dibromomethane

Concen: 50.399 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

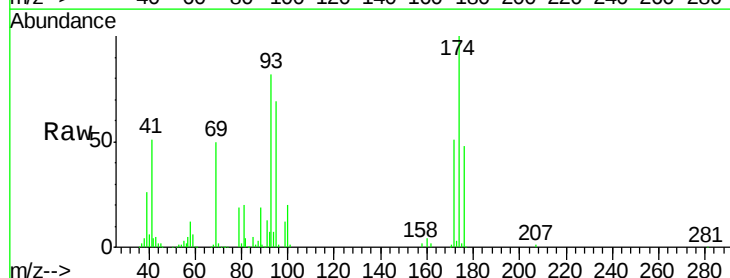
Tgt Ion: 93 Resp: 79592

Ion Ratio Lower Upper

93 100

95 83.5 66.9 100.3

174 121.9 97.7 146.5



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0

9.31

60000

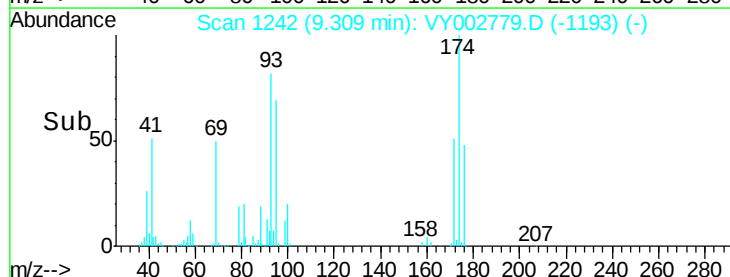
40000

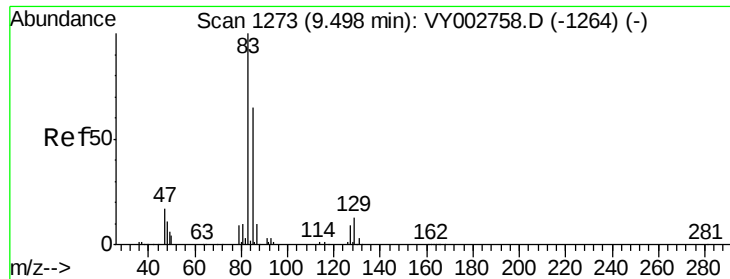
20000

0

9.20 9.25 9.30 9.35 9.40

Time-->





#47

Bromodichloromethane

Concen: 50.612 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

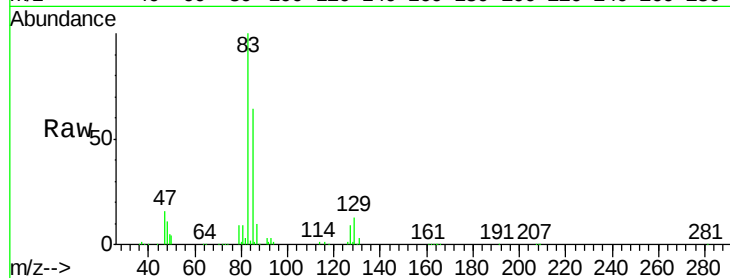
ClientSampleId :

VSTDCCC050EC

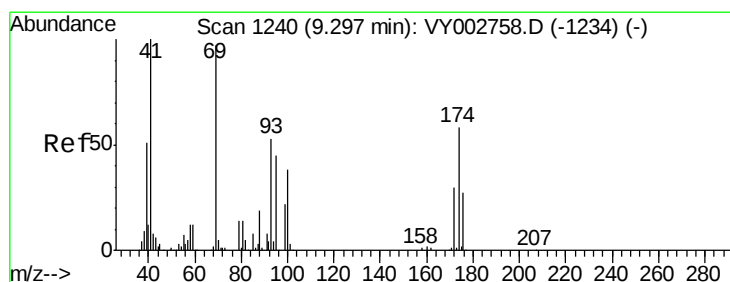
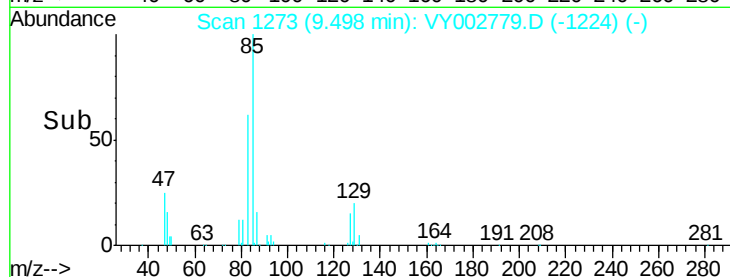
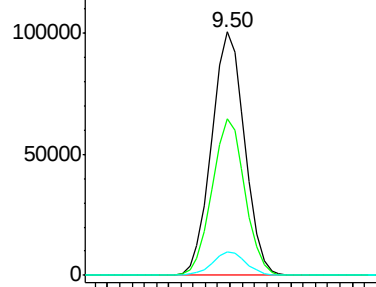
Tot Ion:	83	Resp:	188429
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.9	77.9
127	9.4	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.579 ug/l

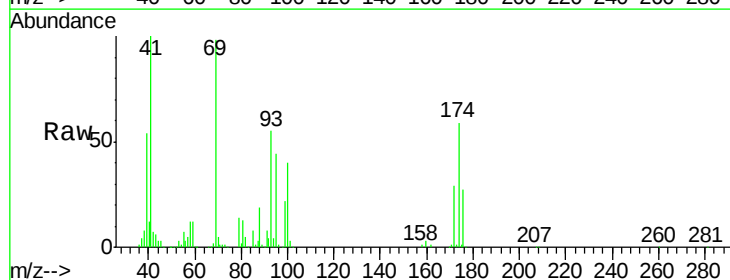
RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

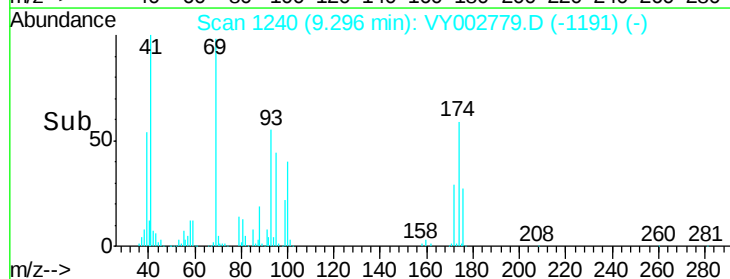
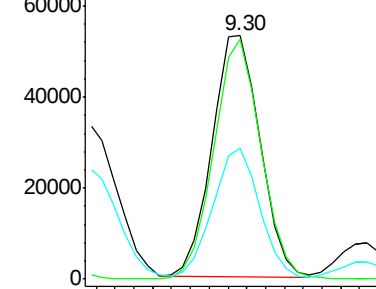
Lab File: VY002779.D

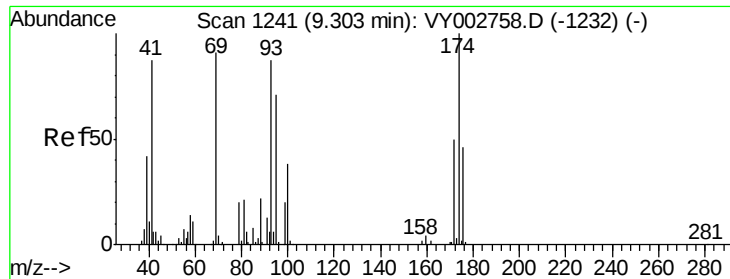
Acq: 27 May 2020 21:16

Tgt Ion:	41	Resp:	93584
Ion Ratio	Lower	Upper	
41	100		
69	97.6	79.7	119.5
39	53.8	43.3	64.9



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





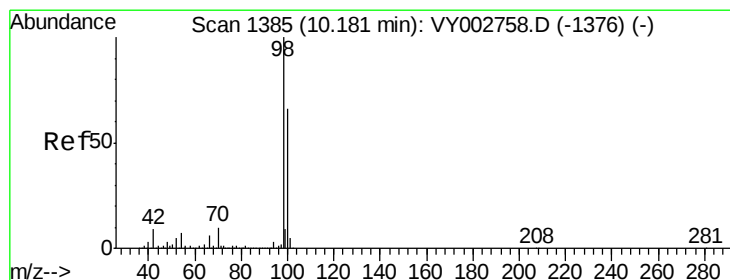
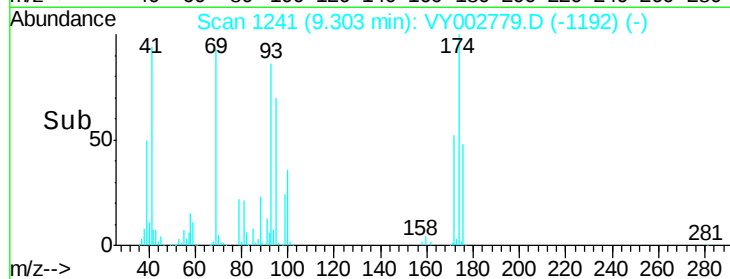
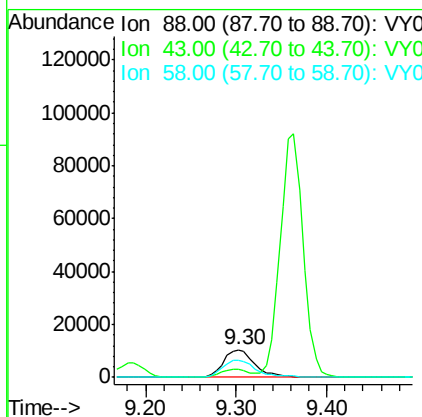
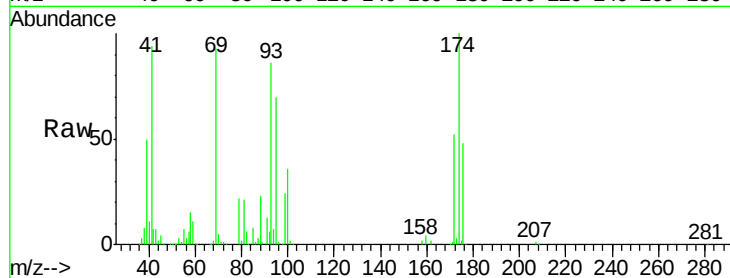
#49
1,4-Dioxane
Concen: 1040.629 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	21.3	31.9
58	66.6	52.2	78.2

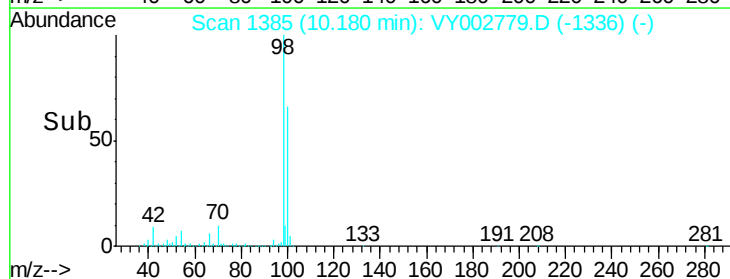
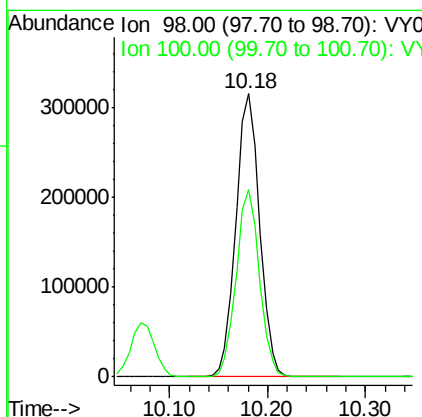
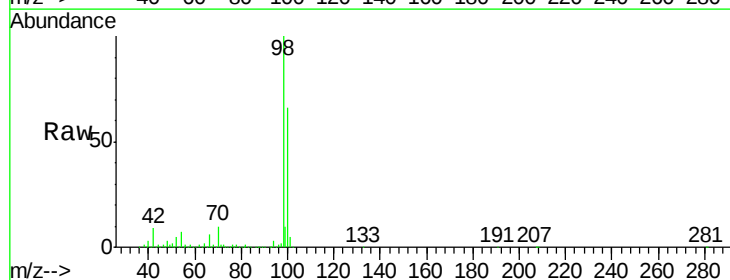
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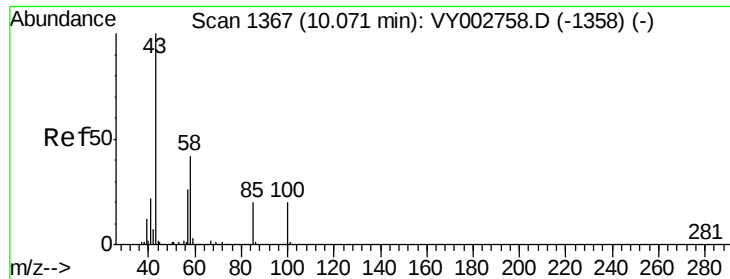
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#50
Toluene-d8
Concen: 50.388 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





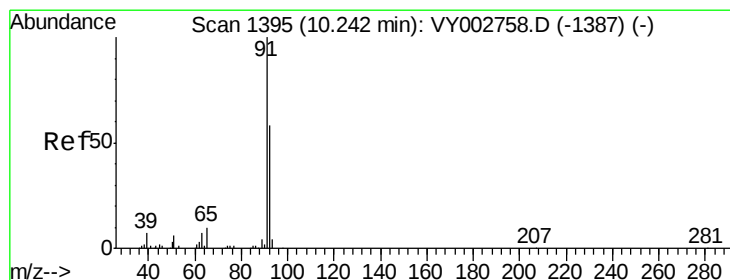
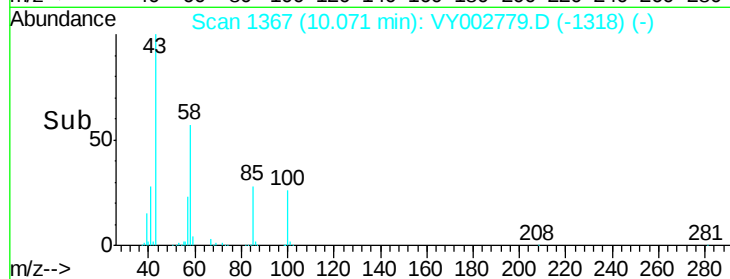
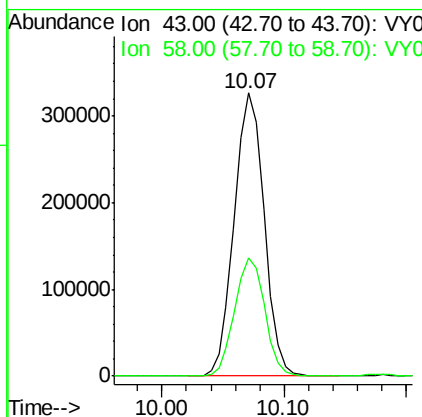
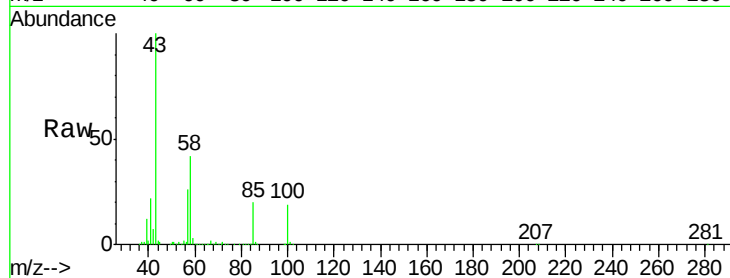
#51
4-Methyl-2-Pentanone
Concen: 269.973 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	553129
Ion Ratio	100	Lower	Upper
43	100		
58	42.1	34.2	51.2

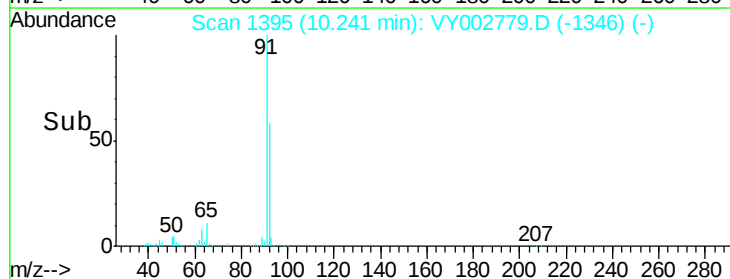
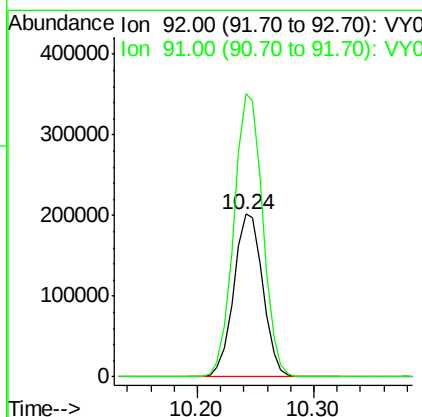
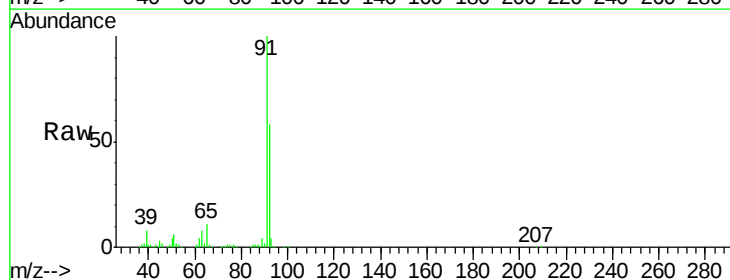
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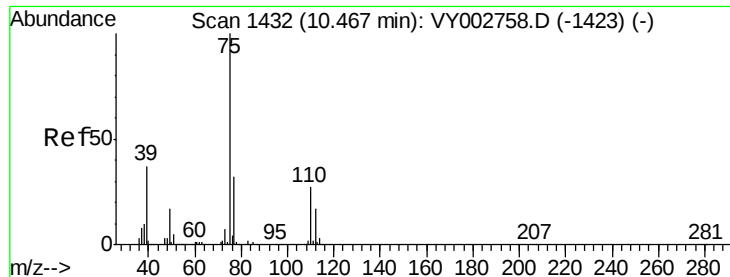
MMDadoda
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#52
Toluene
Concen: 48.271 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	92	Resp	350154	
Ion Ratio	92	100	Lower	Upper
91	173.0	138.5	207.7	





#53

t-1,3-Dichloropropene

Concen: 49.628 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 201809

Ion Ratio Lower Upper

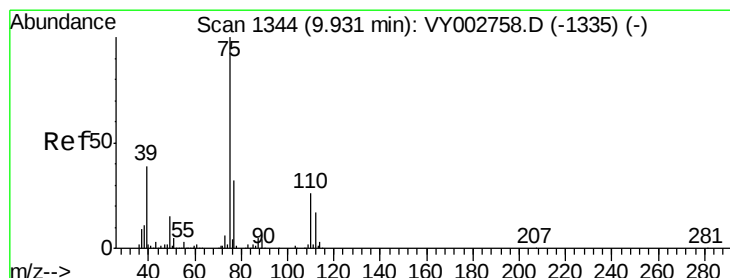
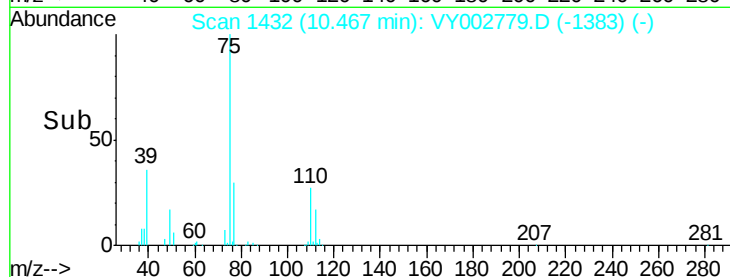
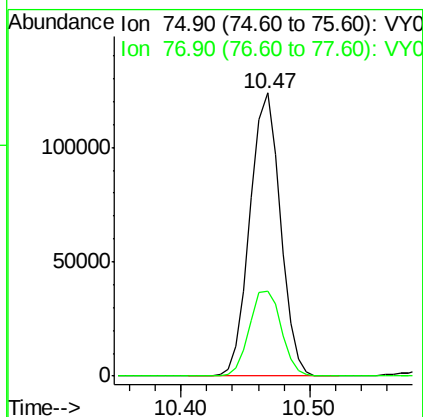
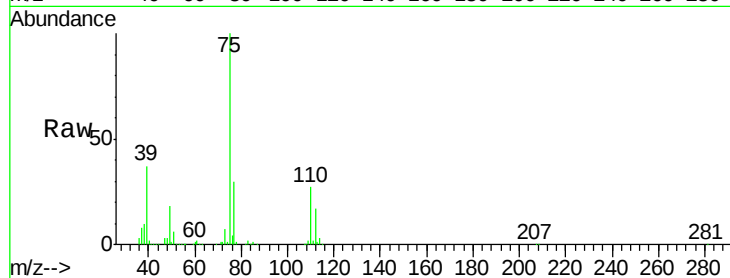
75 100

77 30.2 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 49.225 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

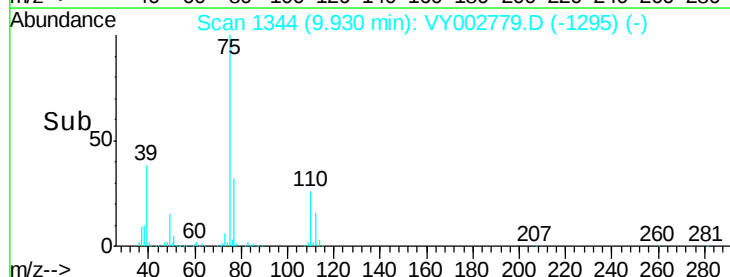
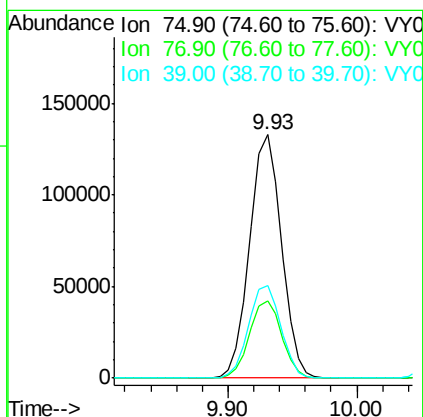
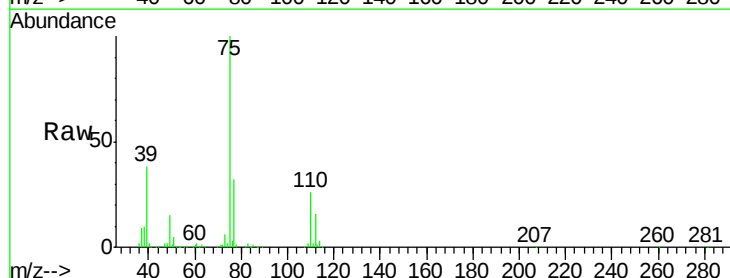
Tgt Ion: 75 Resp: 226818

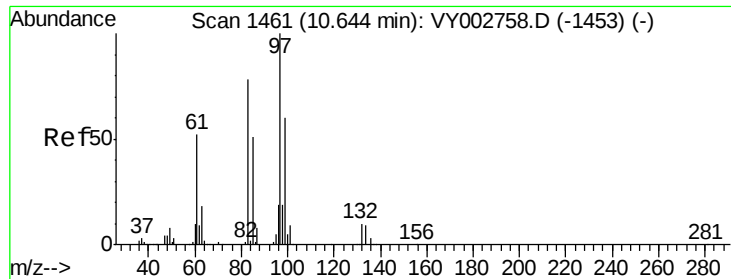
Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4

39 38.1 31.3 46.9





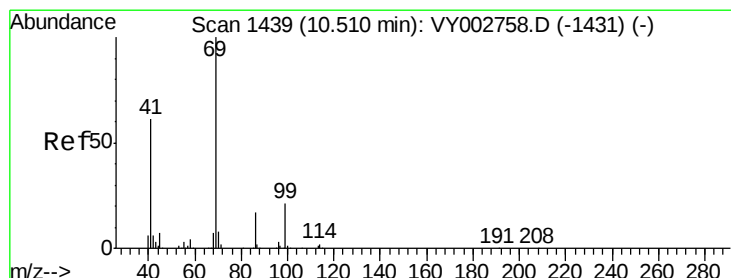
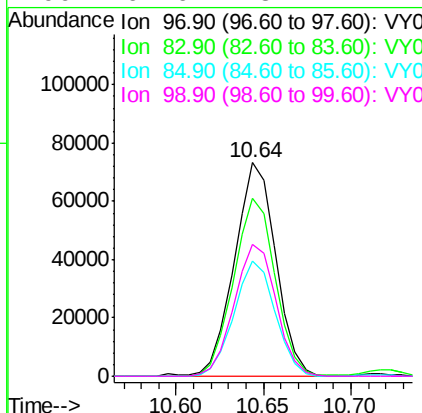
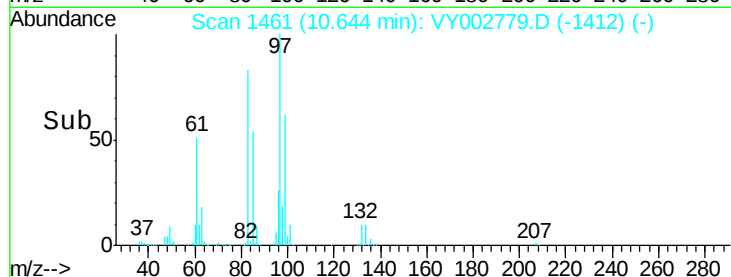
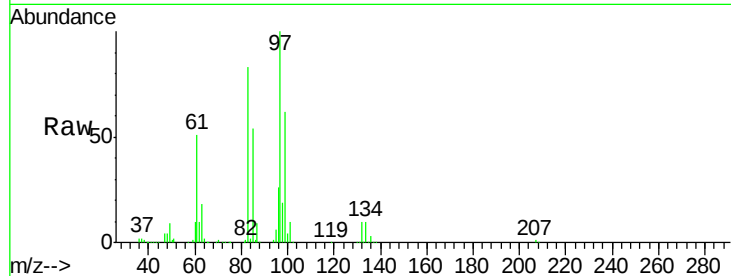
#55
 1,1,2-Trichloroethane
 Concen: 49.671 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120092		
83	83.1	62.7	94.1		
85	53.9	40.6	60.8		
99	61.6	48.2	72.4		

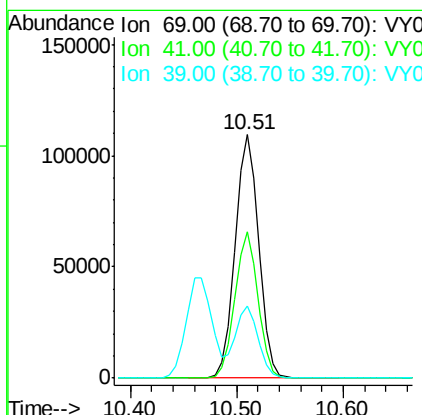
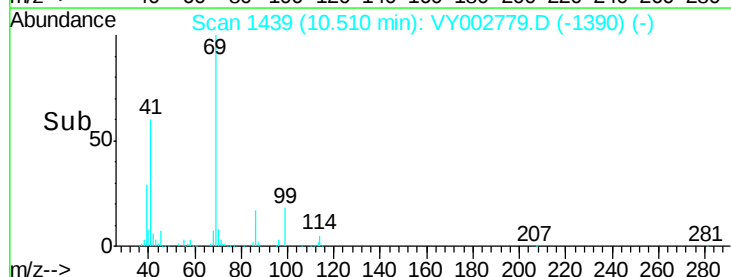
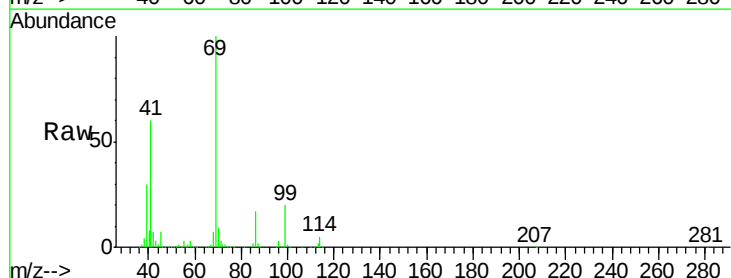
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#56
 Ethyl methacrylate
 Concen: 52.751 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		170829		
41	58.3	47.0	70.4		
39	29.3	22.0	33.0		





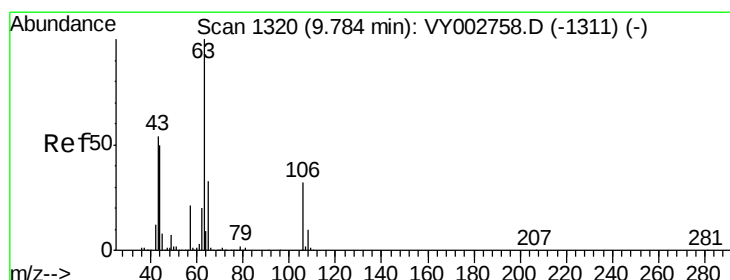
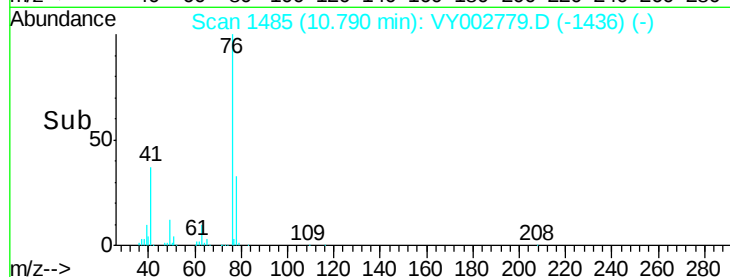
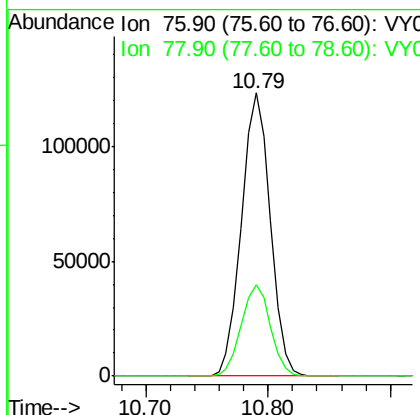
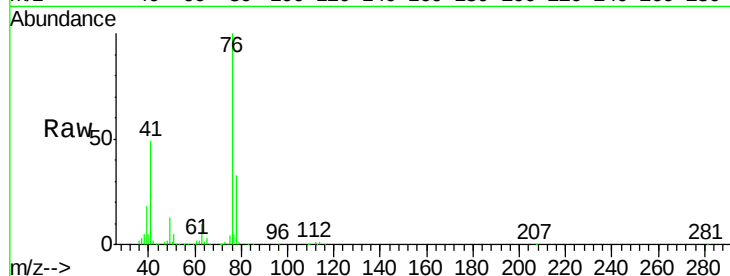
#57
 1,3-Dichloropropane
 Concen: 50.695 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

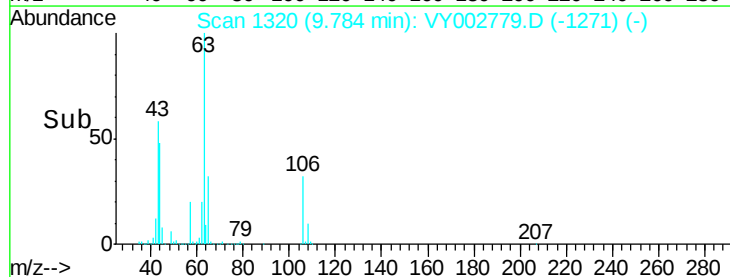
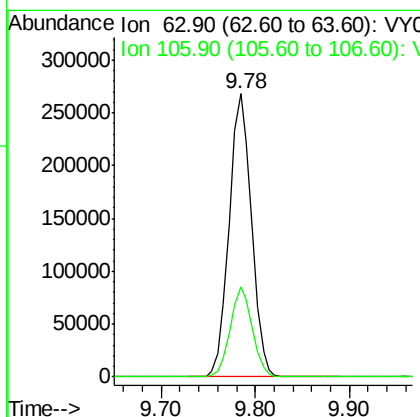
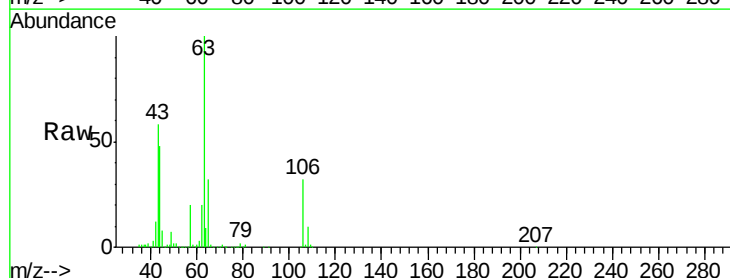
Manual Integrations
 APPROVED

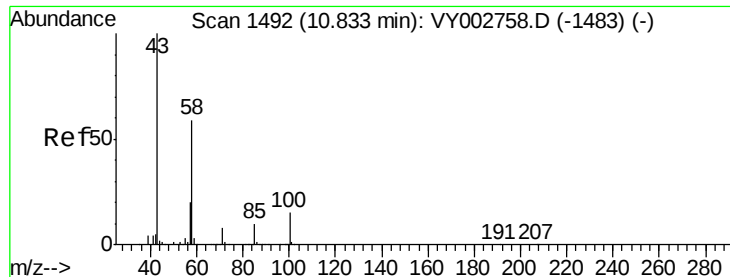
MMDadoda
 5/28/2020 2:08:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.390 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.0	25.4	38.2





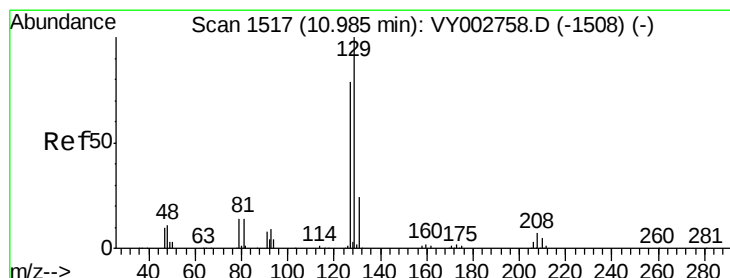
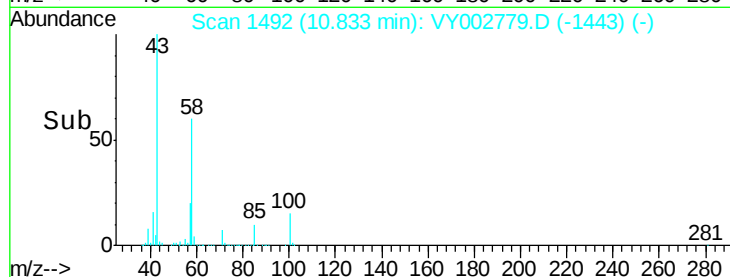
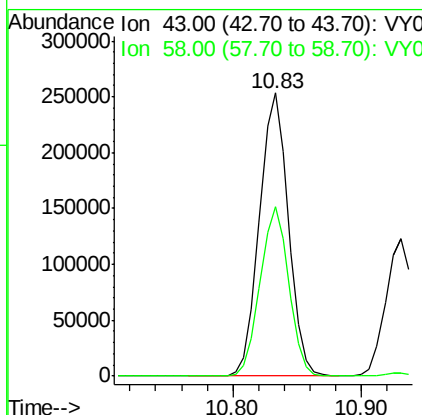
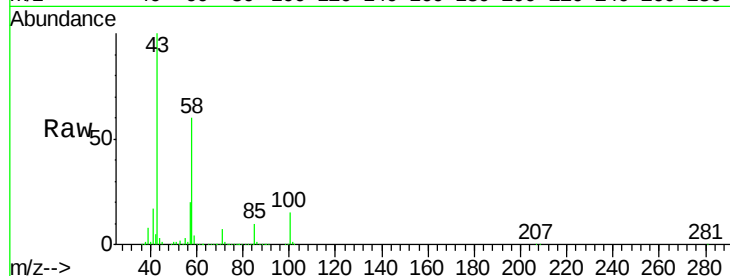
#59
2-Hexanone
Concen: 270.274 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.5	29.5	88.5

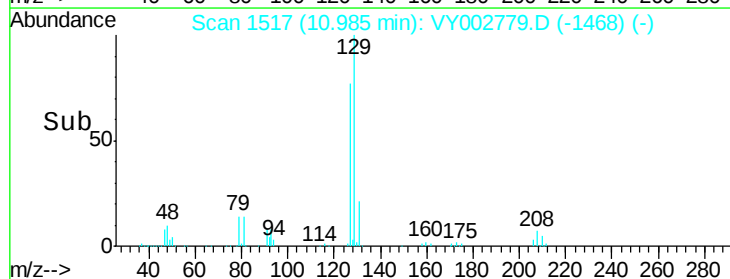
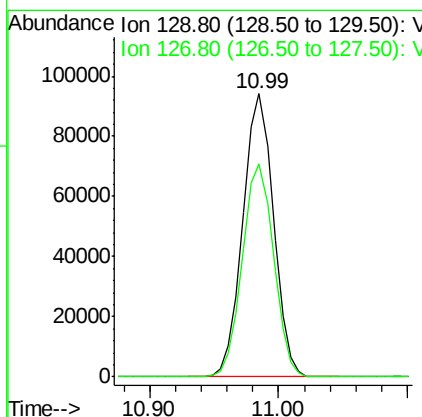
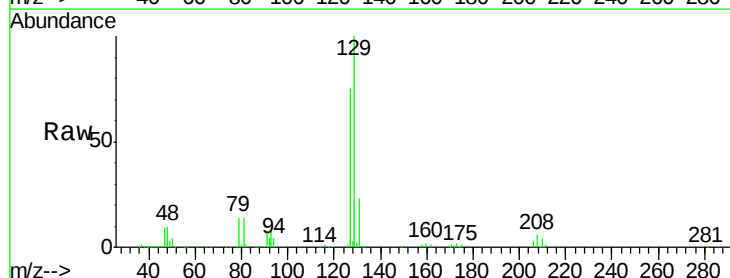
Manual Integrations
APPROVED

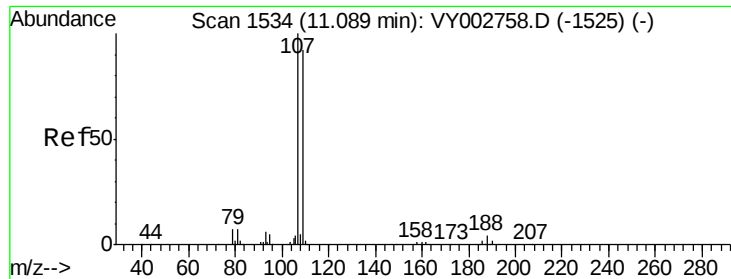
MMDadoda
5/28/2020 2:08:51 PM



#60
Dibromochloromethane
Concen: 50.492 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.3





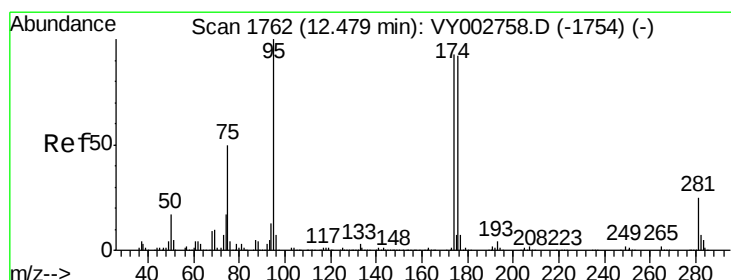
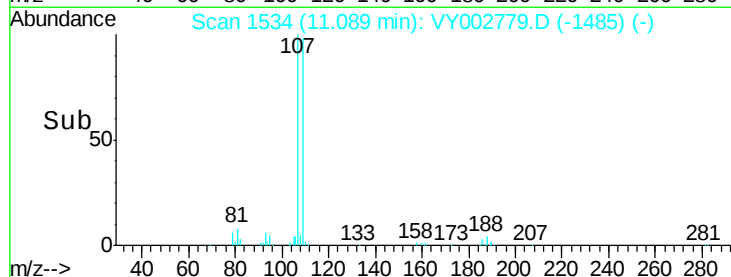
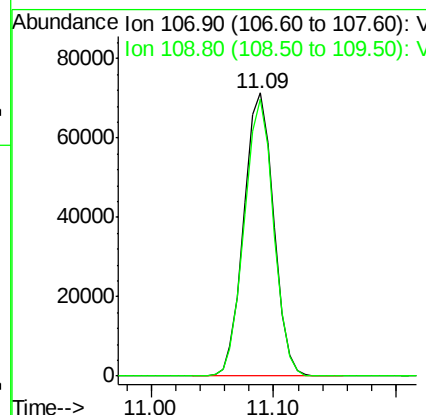
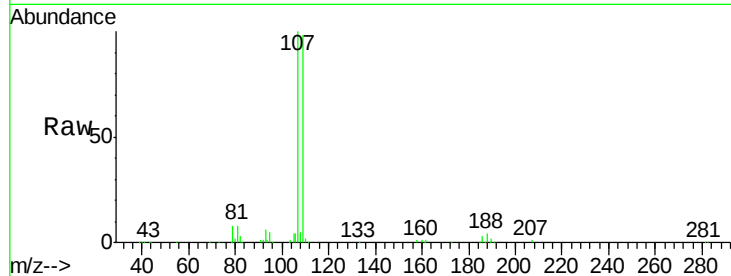
#61
 1,2-Dibromoethane
 Concen: 50.691 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.6	113.4

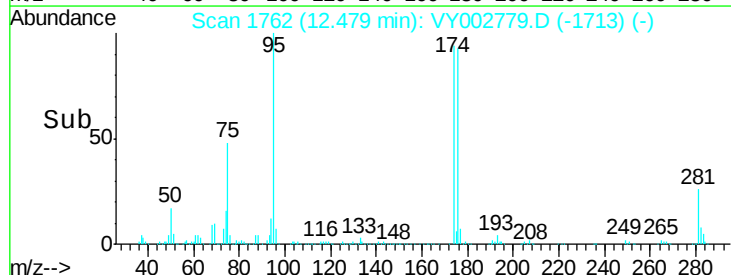
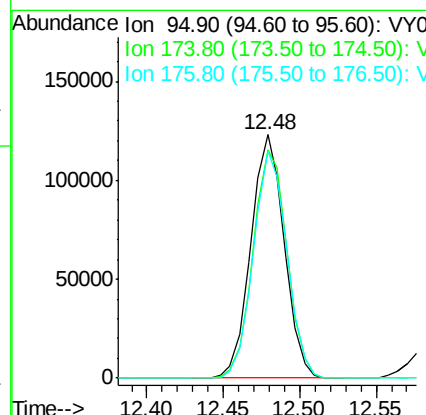
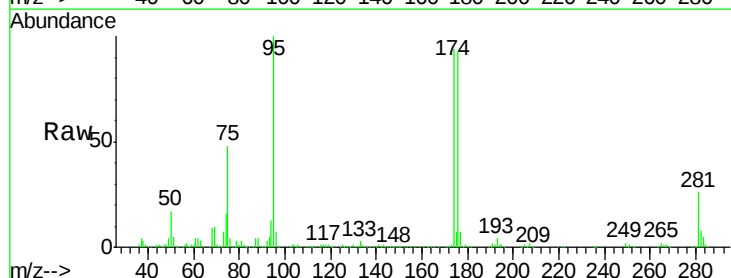
Manual Integrations
 APPROVED

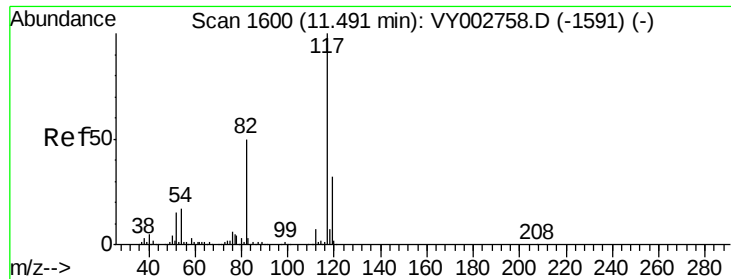
MMDadoda
 5/28/2020 2:08:51 PM



#62
 4-Bromofluorobenzene
 Concen: 51.665 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	191.2
176	93.4	0.0	188.8





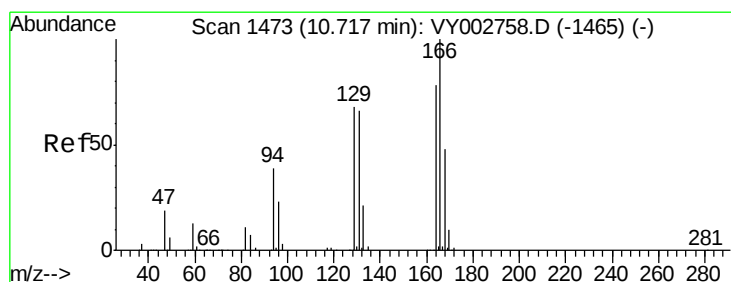
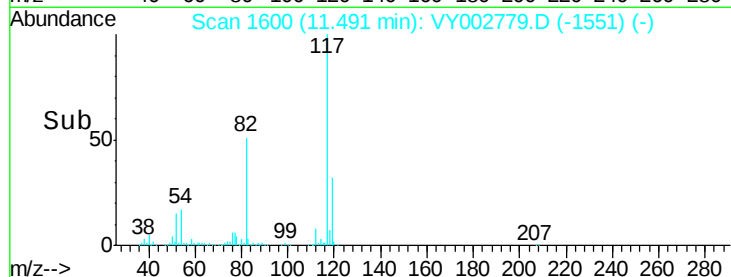
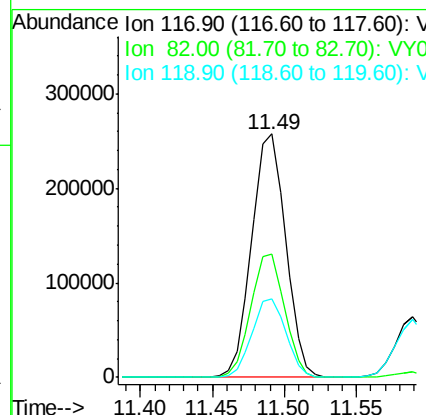
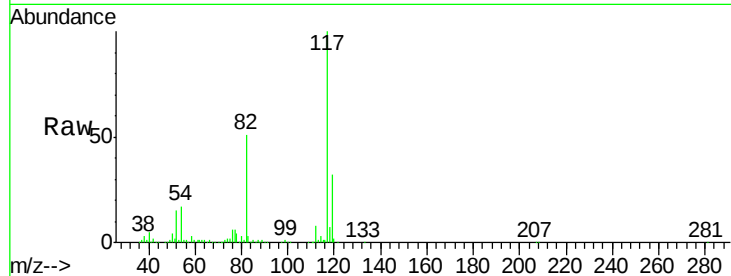
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	40.2	60.4
119	32.4	25.8	38.8

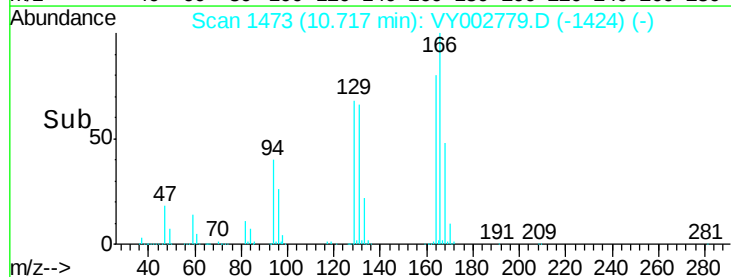
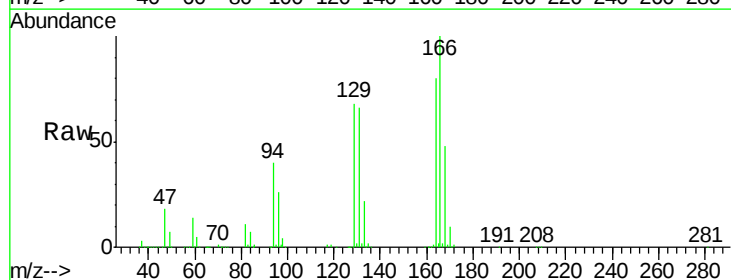
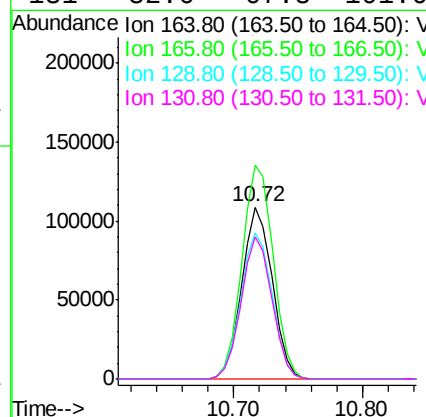
Manual Integrations
APPROVED

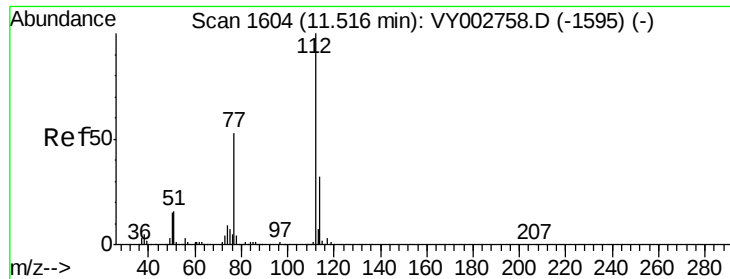
MMDadoda
5/28/2020 2:08:51 PM



#64
Tetrachloroethene
Concen: 46.501 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	102.3	153.5
129	84.8	69.4	104.2
131	82.6	67.8	101.6





#65

Chlorobenzene

Concen: 47.552 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 395282

Ion Ratio Lower Upper

112 100

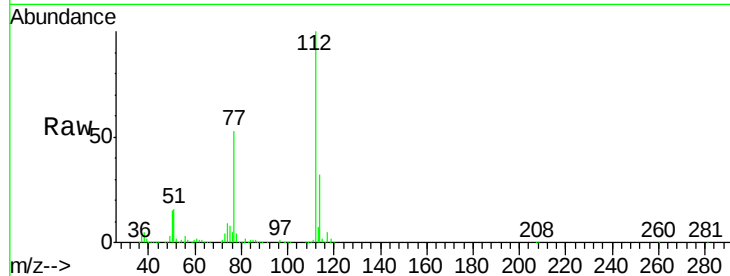
114 32.1 25.7 38.5

Manual Integrations

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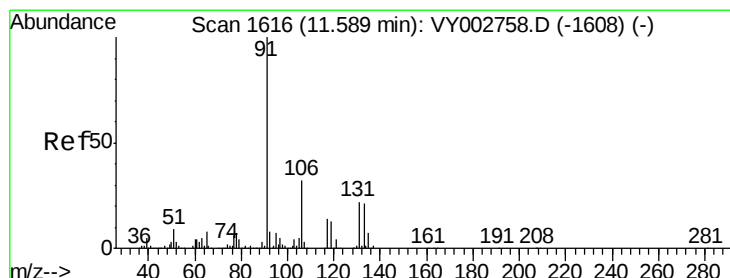
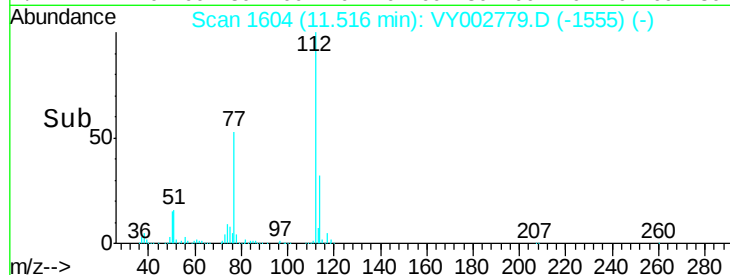
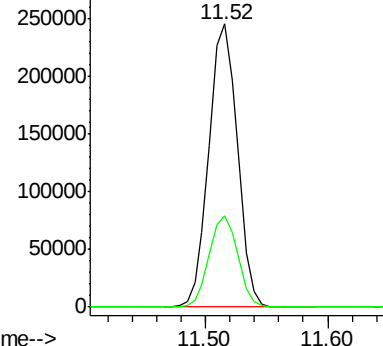
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.026 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

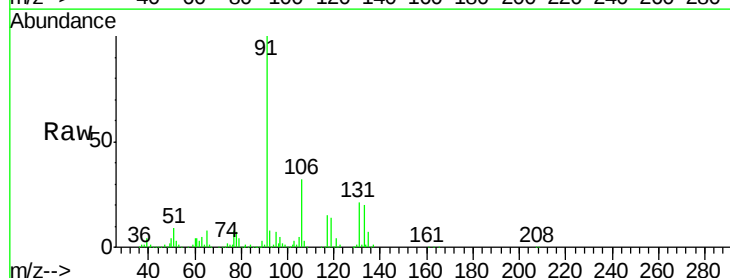
Tgt Ion:131 Resp: 153489

Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.8

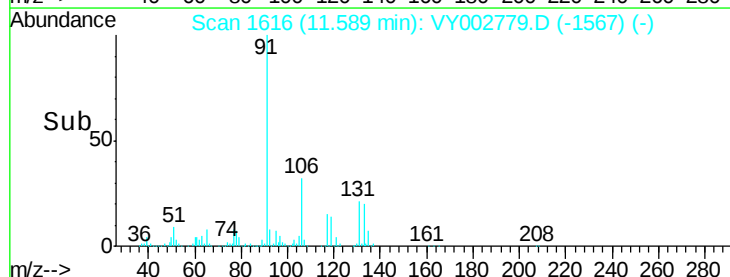
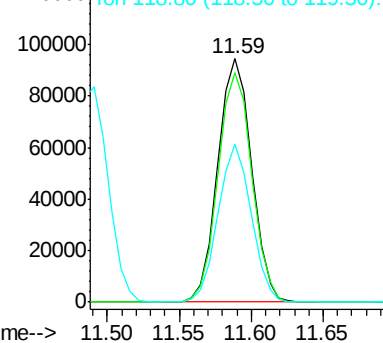
119 63.7 31.7 95.1

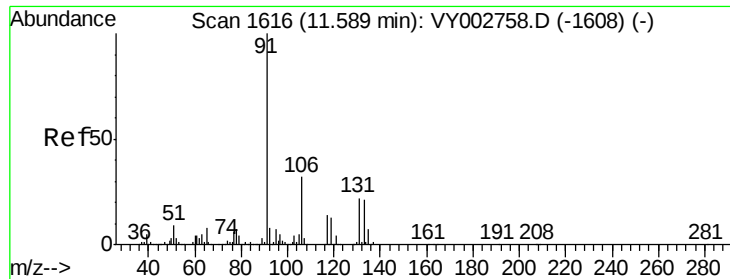


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





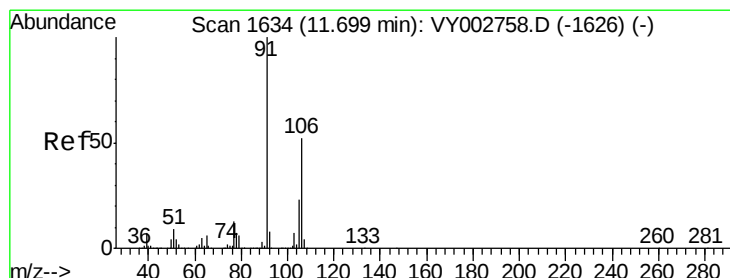
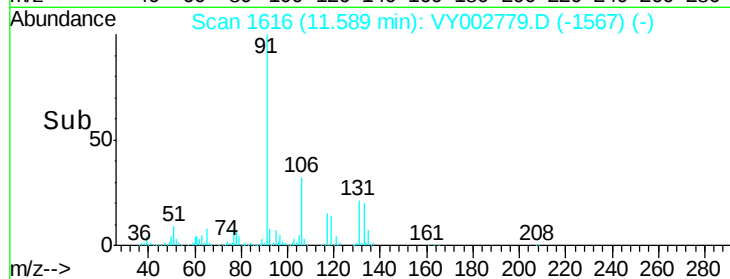
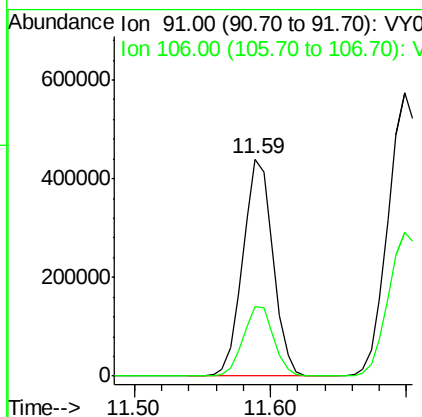
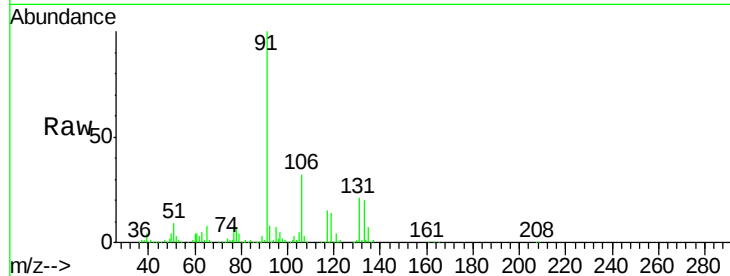
#67
Ethyl Benzene
Concen: 47.208 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 680322
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5

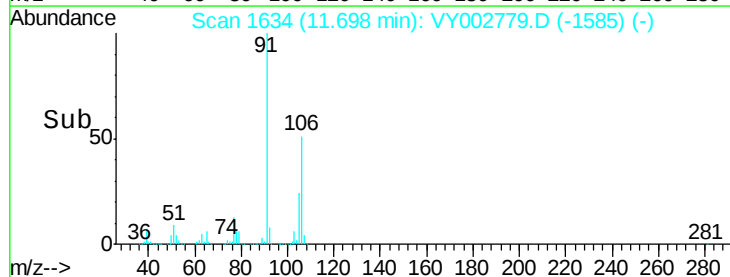
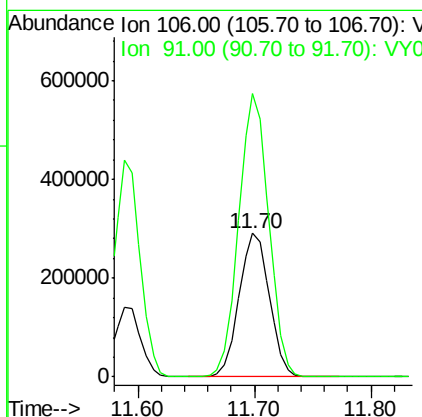
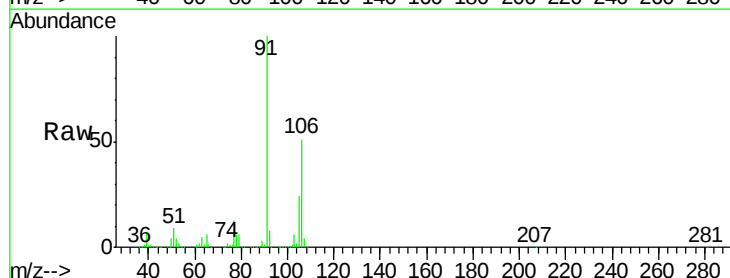
Manual Integrations
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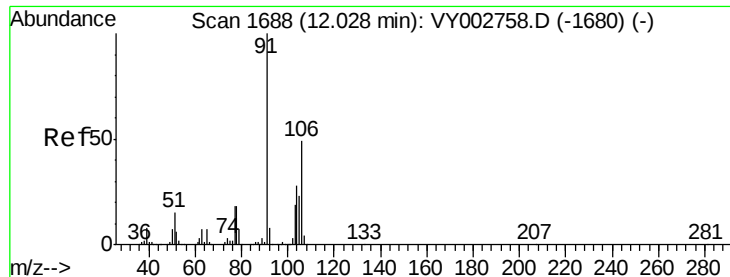
MMDadoda
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#68
m/p-Xylenes
Concen: 94.740 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion: 106 Resp: 529354
Ion Ratio Lower Upper
106 100
91 194.7 156.0 234.0





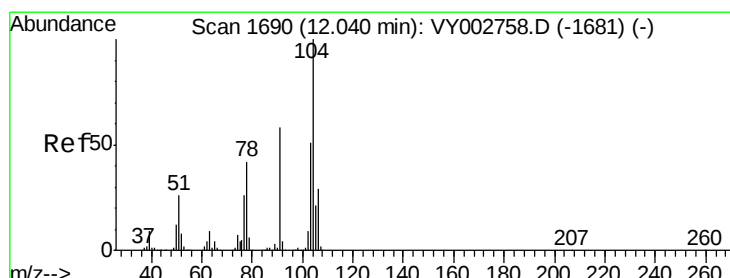
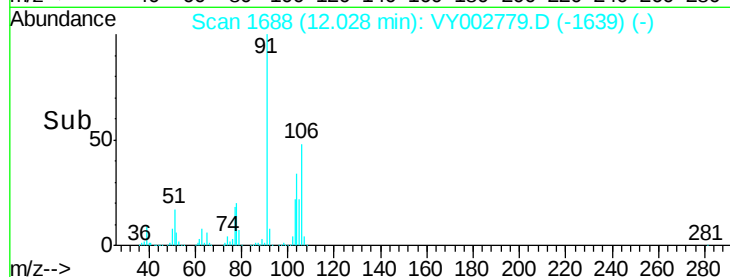
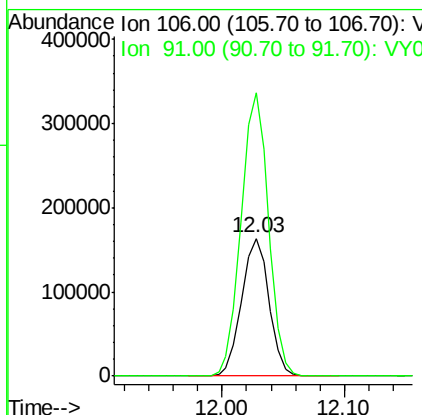
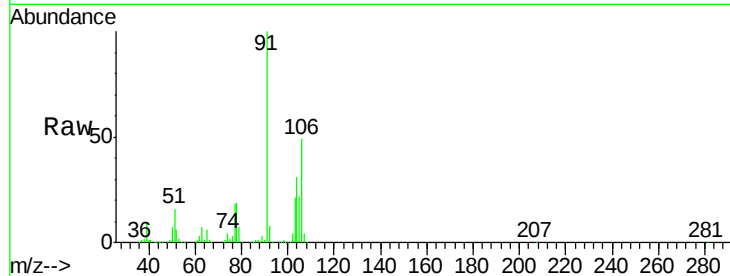
#69
o-Xylene
Concen: 48.250 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	204.9	102.4	307.1

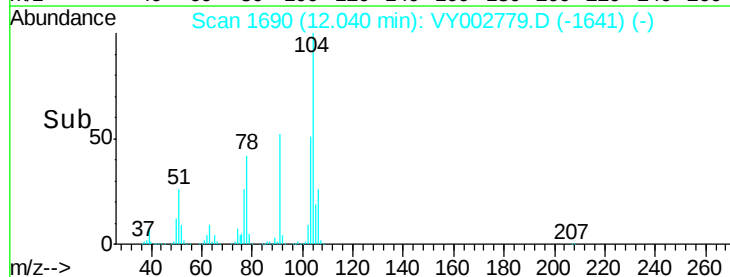
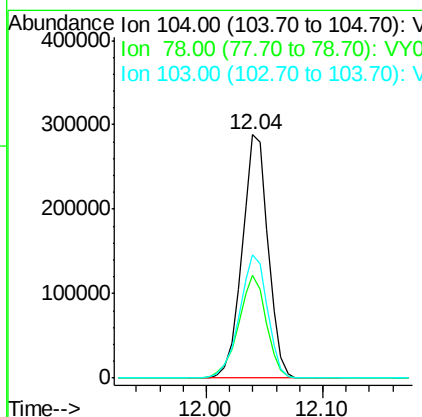
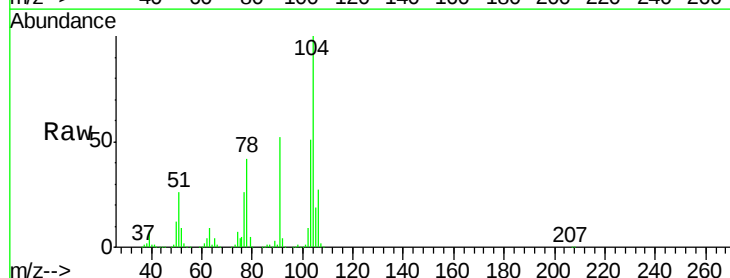
Manual Integrations
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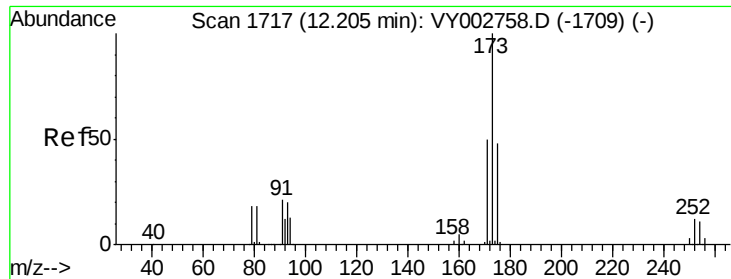
MMDadoda
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#70
Styrene
Concen: 48.947 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	45.1	36.2	54.4
103	103	54.4	43.6	65.4





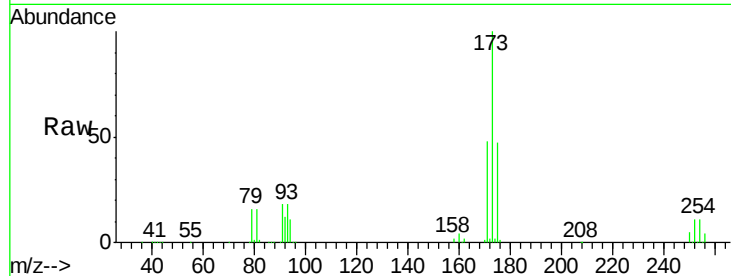
#71
Bromoform
Concen: 50.538 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

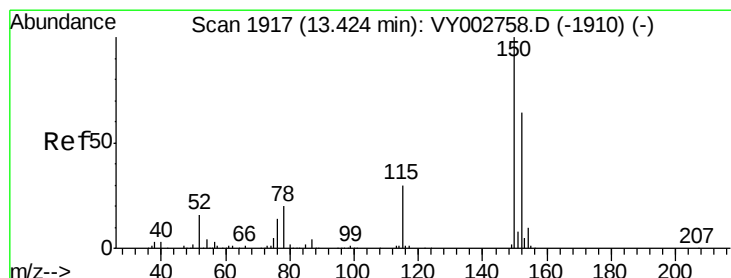
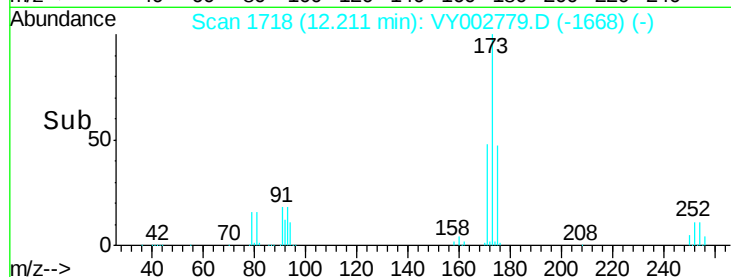
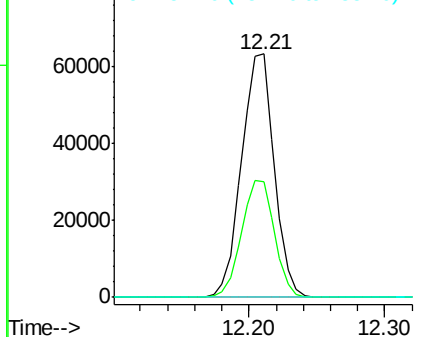
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.1	0.1	0.1

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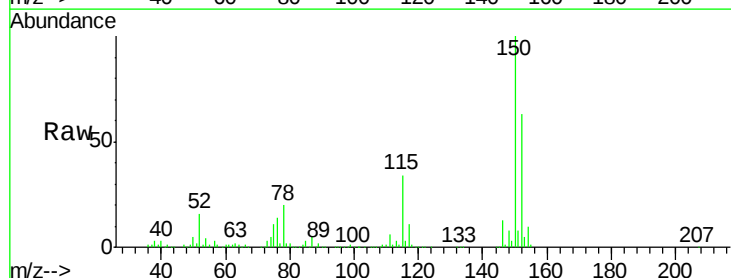


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

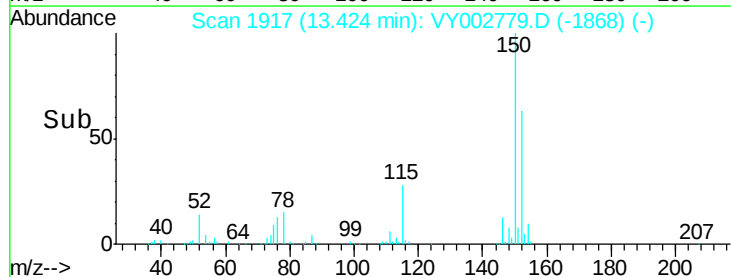
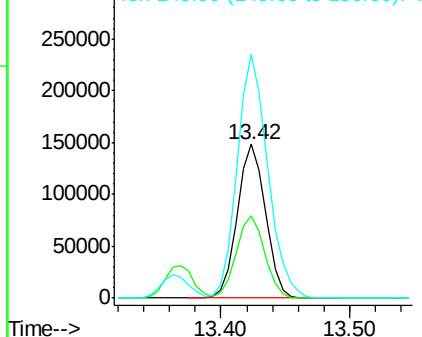


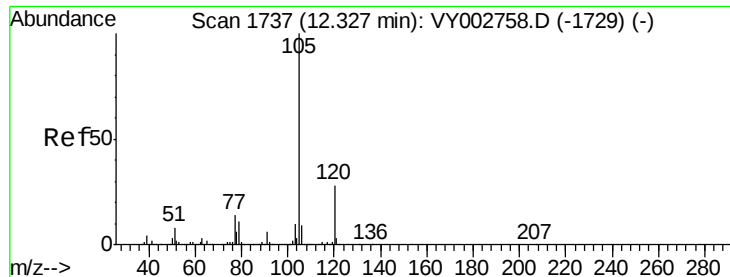
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.0	81.0
150	172.3	0.0	344.8



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: 47.601 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 682156

Ion Ratio Lower Upper

105 100

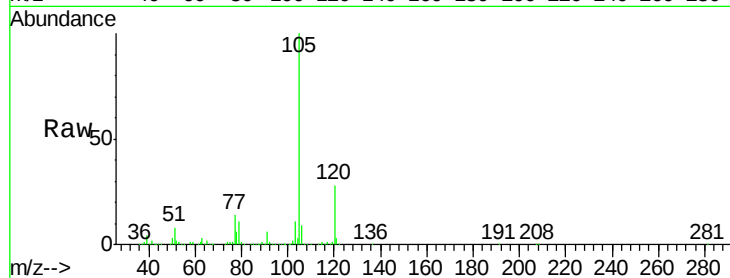
120 27.4 13.7 41.1

Manual Integrations

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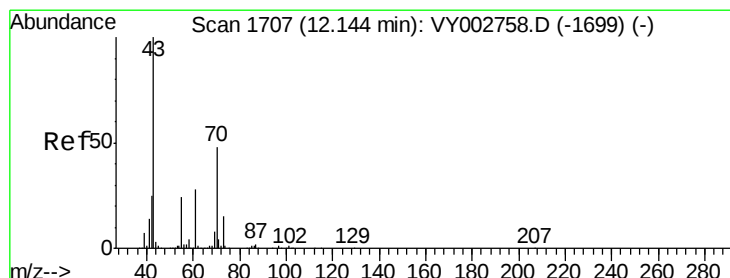
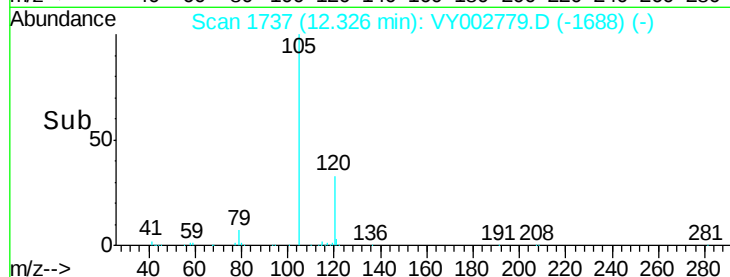
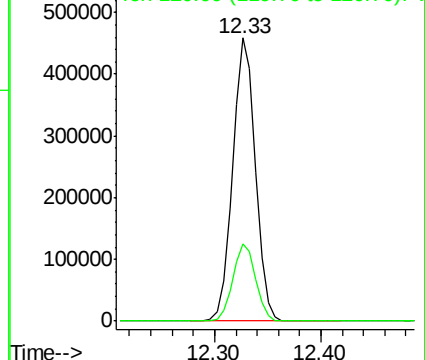
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.249 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Tgt Ion: 43 Resp: 195799

Ion Ratio Lower Upper

43 100

70 46.7 37.7 56.5

55 24.2 19.8 29.6

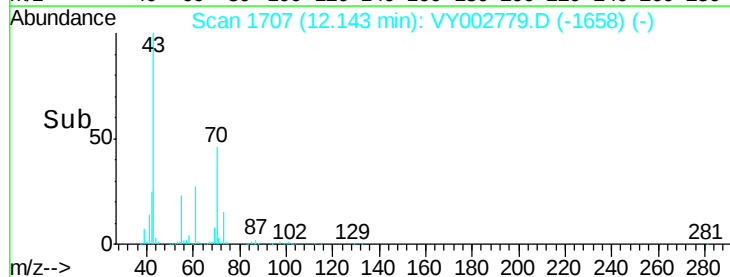
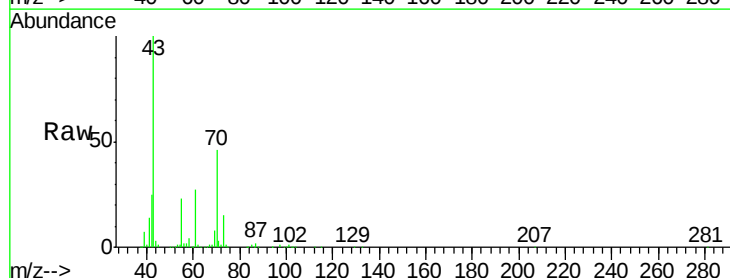
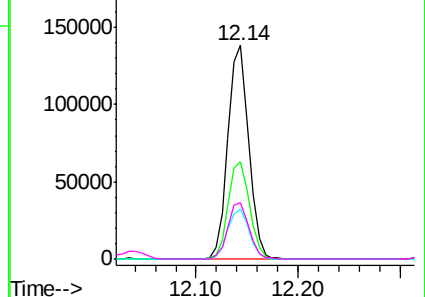
61 26.8 21.7 32.5

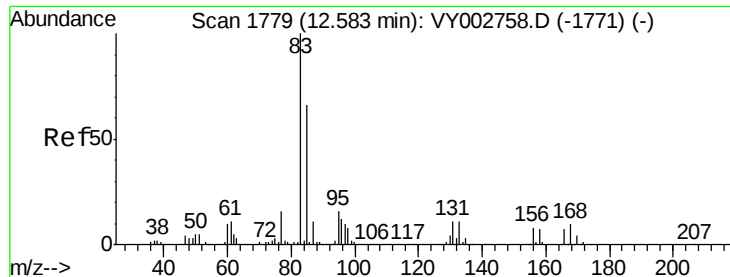
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.889 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

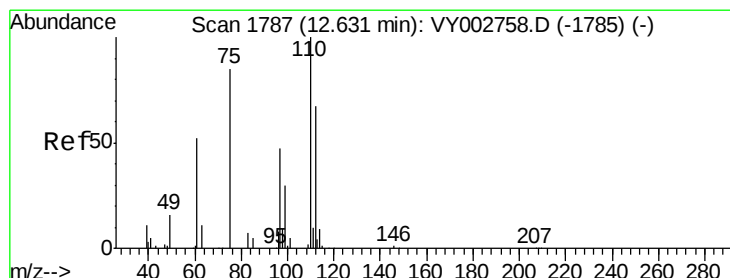
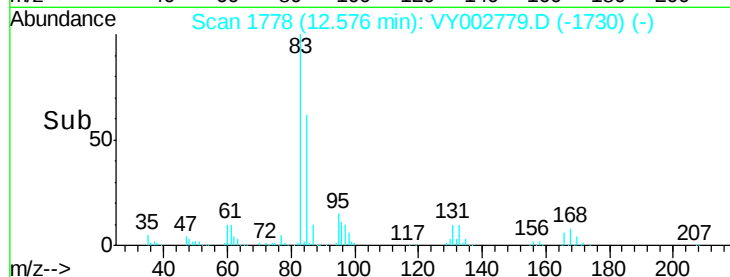
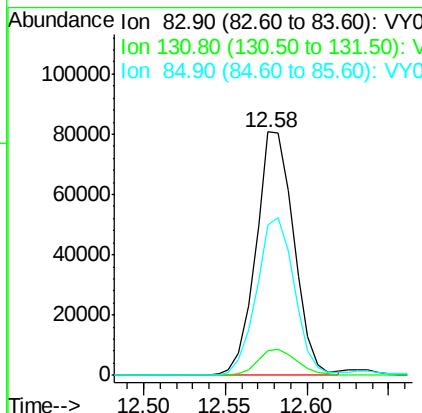
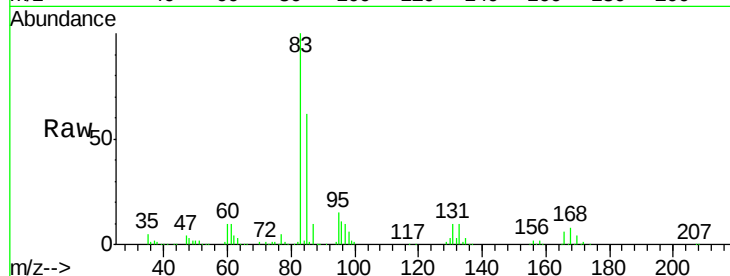
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	130471
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.8	17.4
85	64.7	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.941 ug/l m

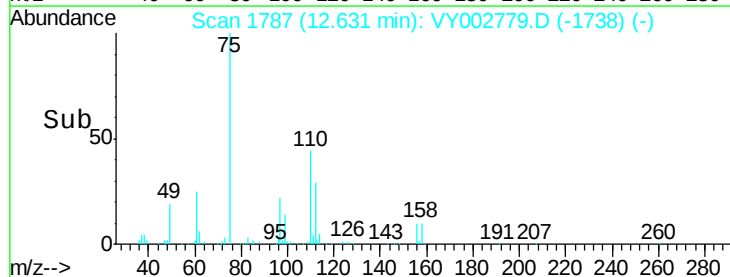
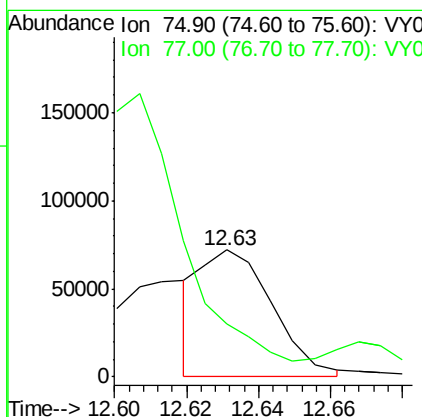
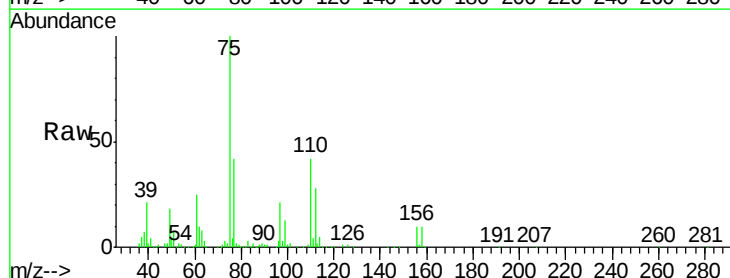
RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Tgt Ion:	75	Resp:	100631
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.666 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

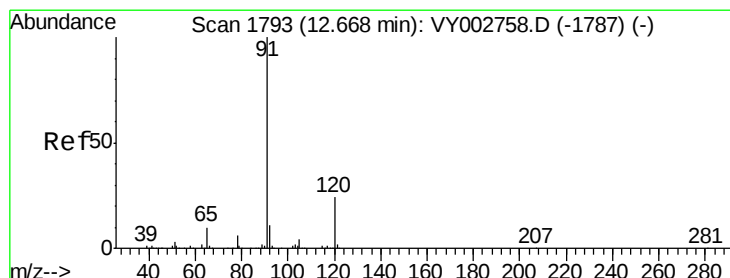
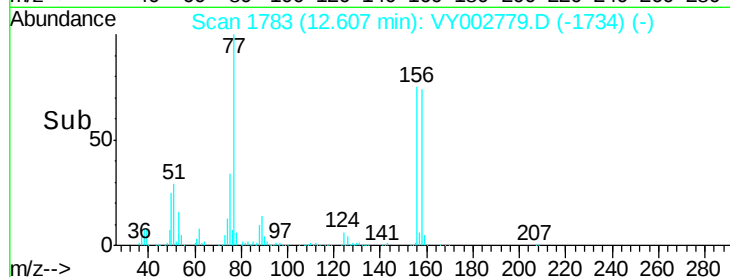
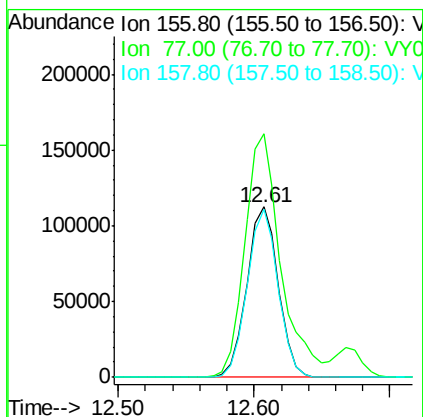
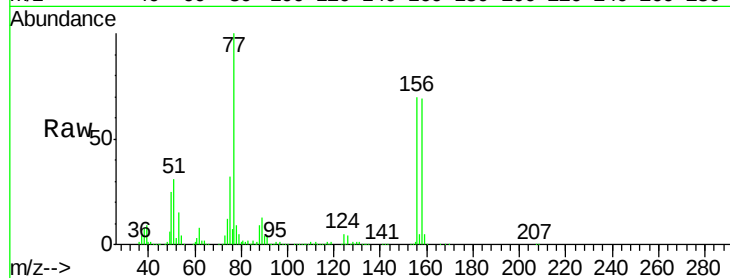
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	181597
Ion Ratio	Lower	Upper	
156	100		
77	163.0	81.4	244.2
158	96.9	48.5	145.6

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#78

n-propylbenzene

Concen: 47.737 ug/l

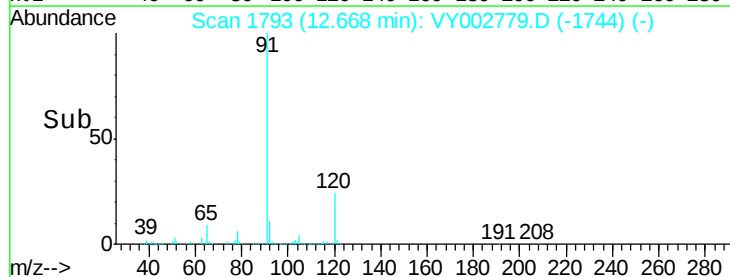
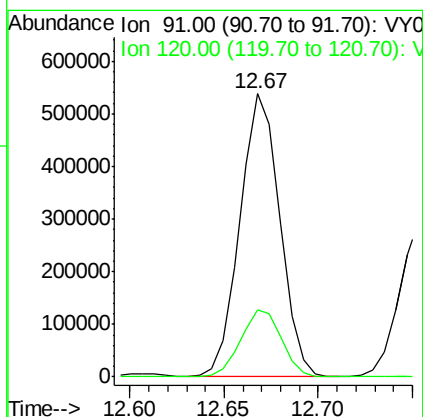
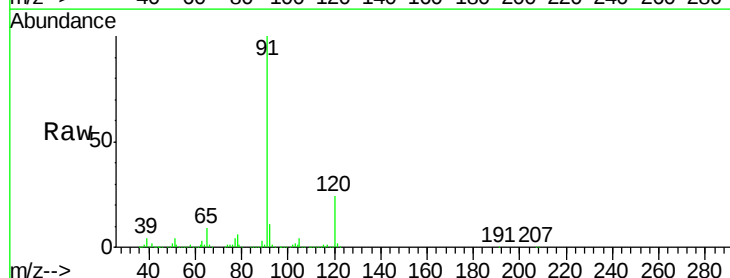
RT: 12.67 min Scan# 1793

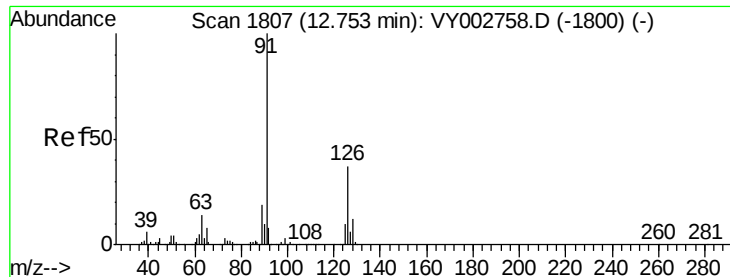
Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Tgt Ion:	91	Resp:	790219
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.3	36.9





#79

2-Chlorotoluene

Concen: 47.883 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 444633

Ion Ratio Lower Upper

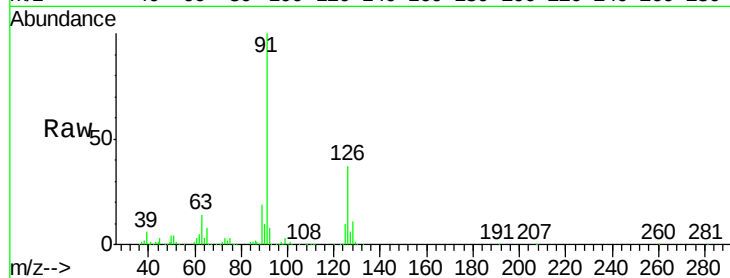
91 100

126 36.9 18.4 55.4

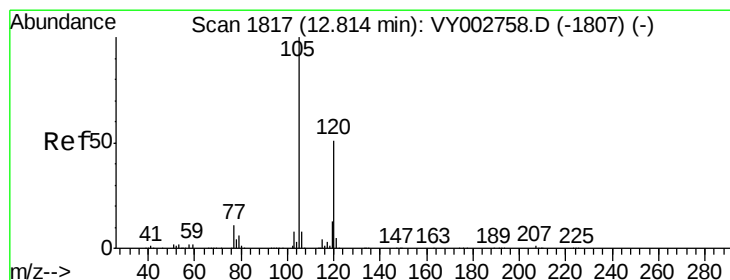
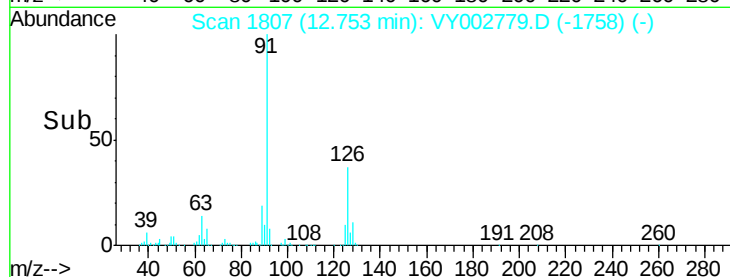
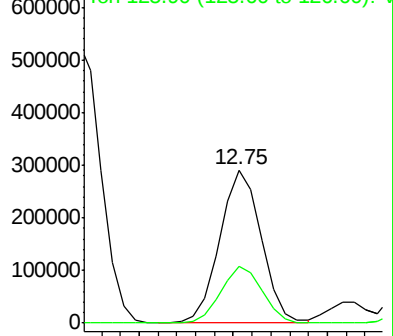
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Abundance Ion 91.00 (90.70 to 91.70): VY002758.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.820 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002779.D

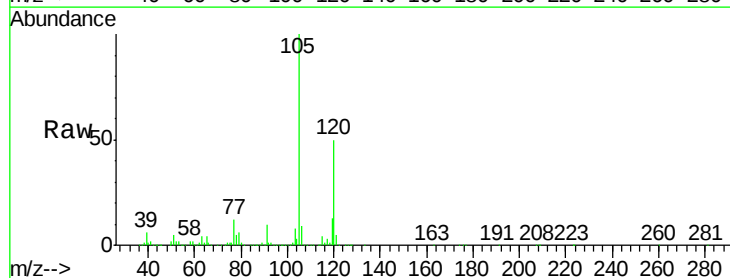
Acq: 27 May 2020 21:16

Tgt Ion: 105 Resp: 572193

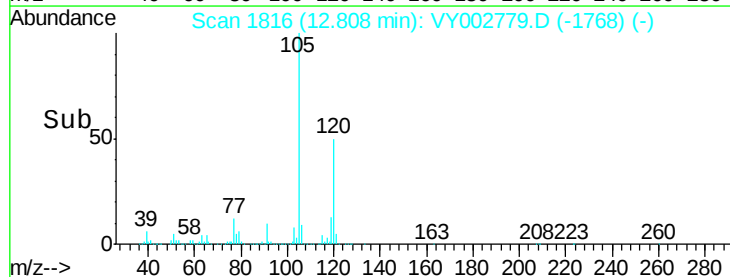
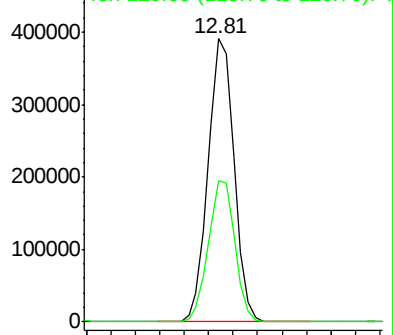
Ion Ratio Lower Upper

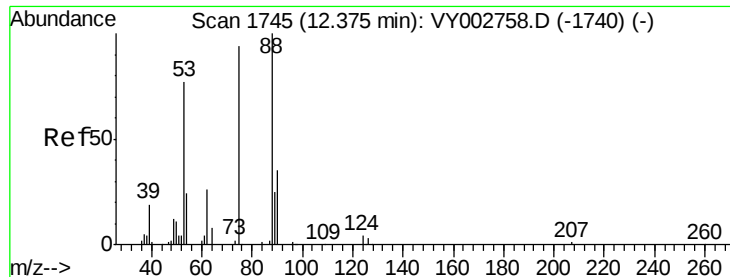
105 100

120 50.9 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002758.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.416 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Instrument :

MSVOA_Y

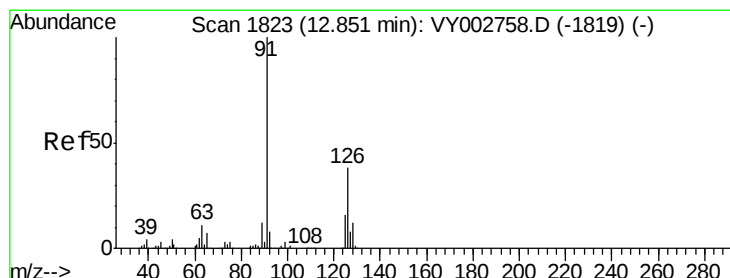
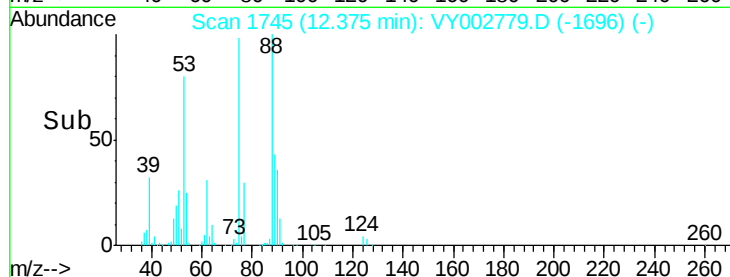
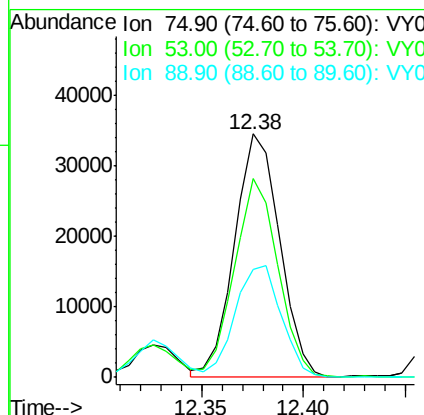
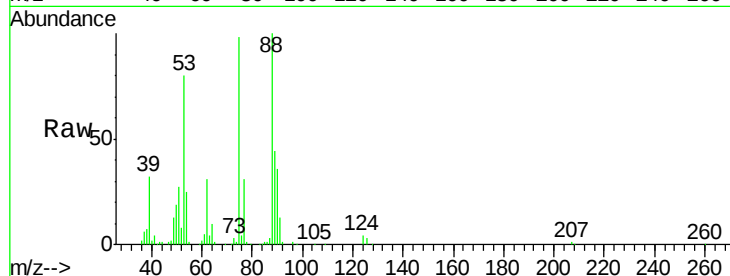
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	52852
Ion Ratio	Lower	Upper	
75	100		
53	79.2	64.0	96.0
89	46.8	37.4	56.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.627 ug/l

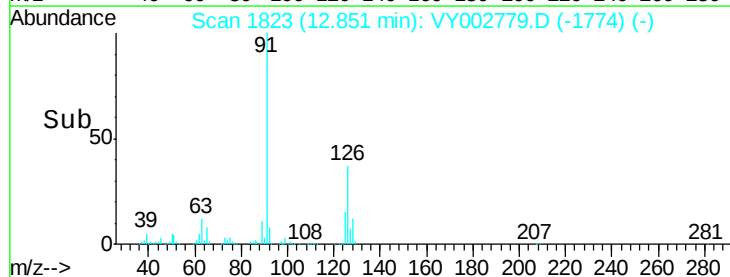
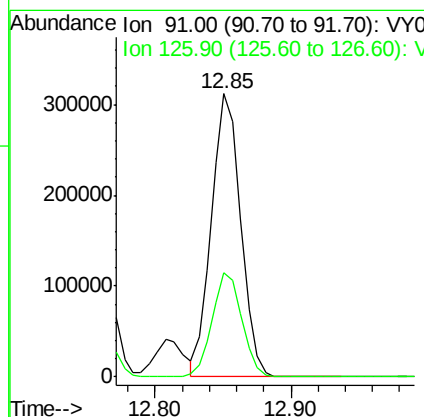
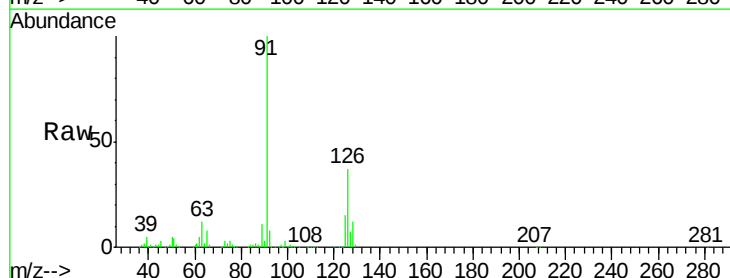
RT: 12.85 min Scan# 1823

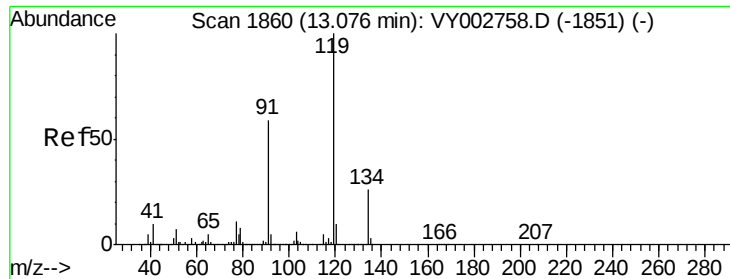
Delta R.T. -0.00 min

Lab File: VY002779.D

Acq: 27 May 2020 21:16

Tgt Ion:	91	Resp:	463352
Ion Ratio	Lower	Upper	
91	100		
126	37.3	18.5	55.5





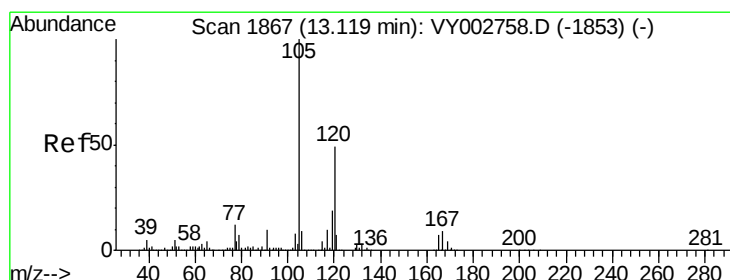
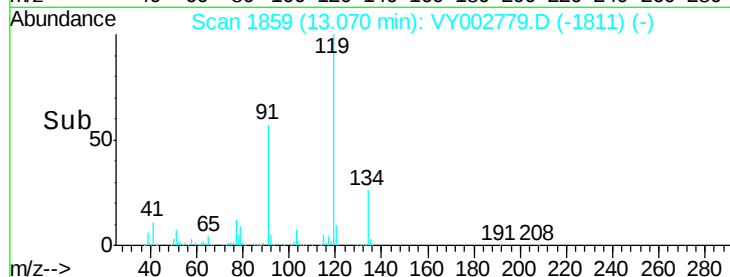
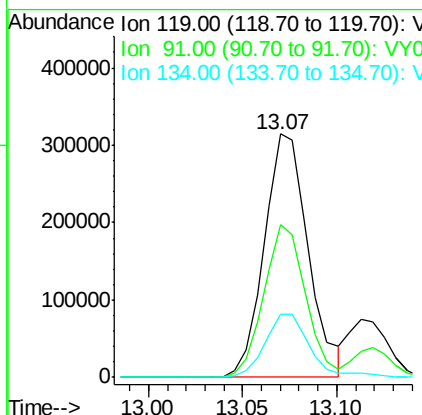
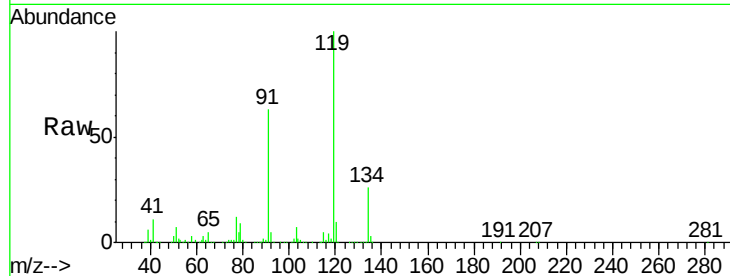
#83
 tert-Butylbenzene
 Concen: 47.656 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	508654		
91	59.5		29.8	89.4
134	26.7		13.3	39.8

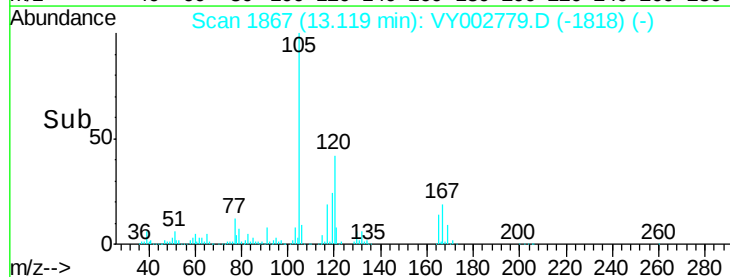
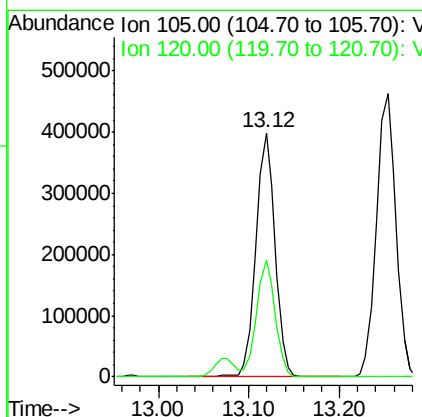
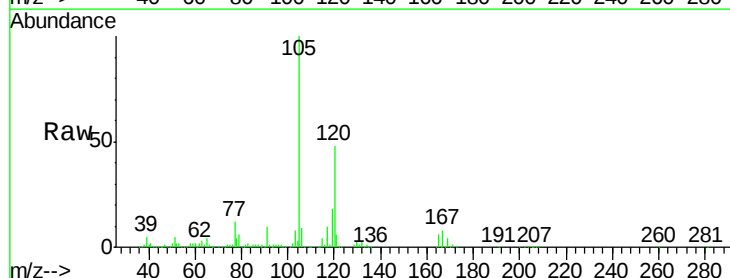
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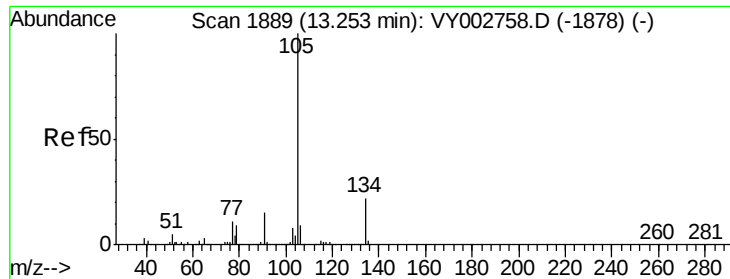
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.273 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	580791		
120	46.9		23.6	70.8





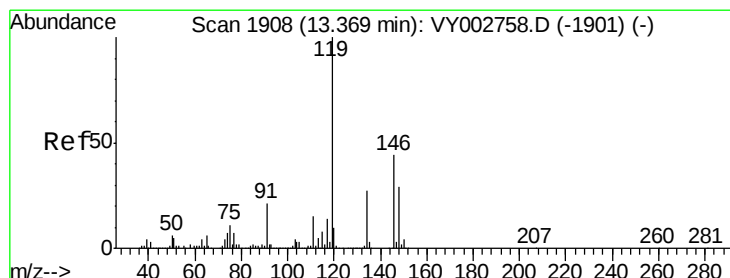
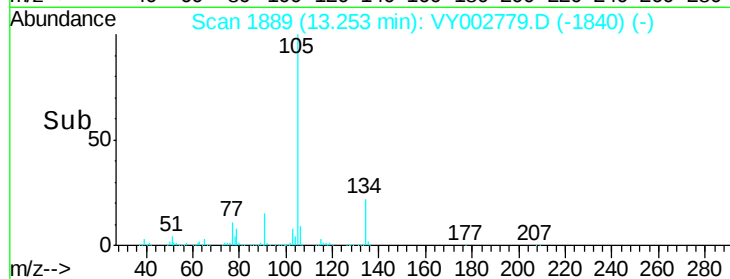
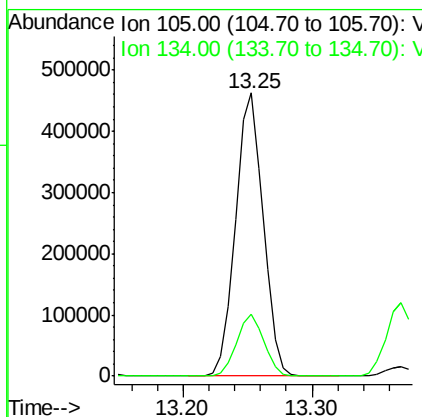
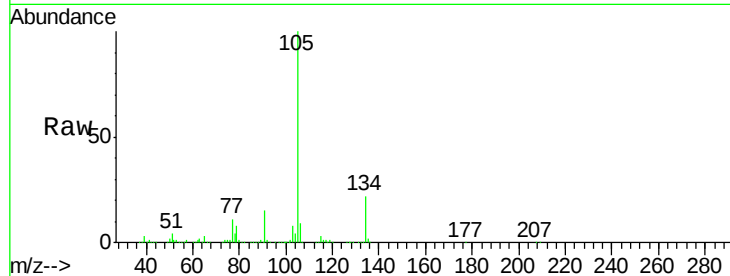
#85
sec-Butylbenzene
Concen: 47.075 ug/l
RT: 13.25 min Scan# 1889
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.8	32.4

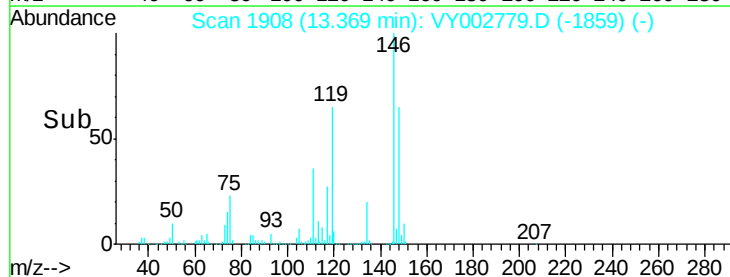
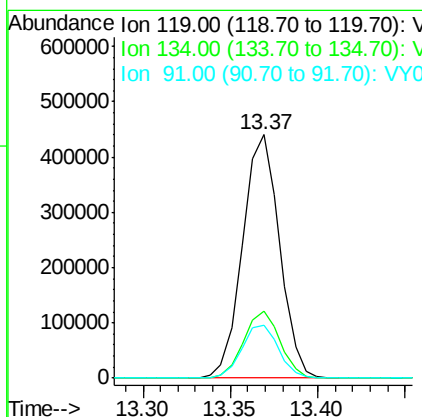
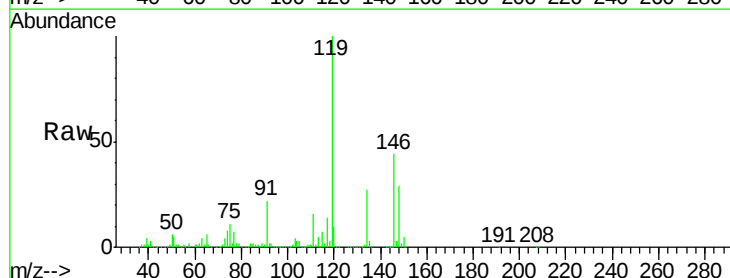
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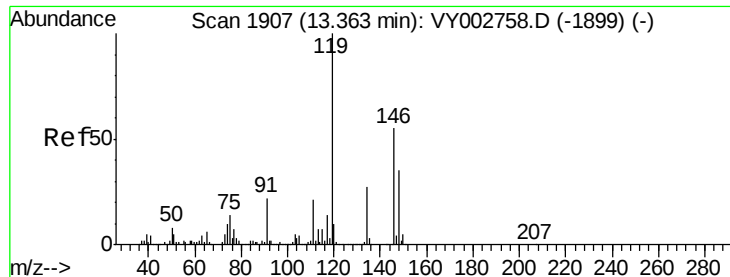
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#86
p-Isopropyltoluene
Concen: 47.471 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.7	41.0
91	21.5	10.8	32.4





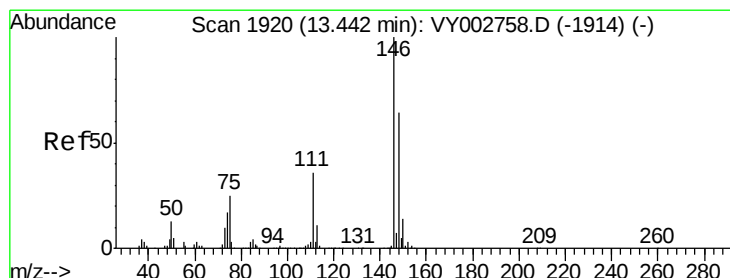
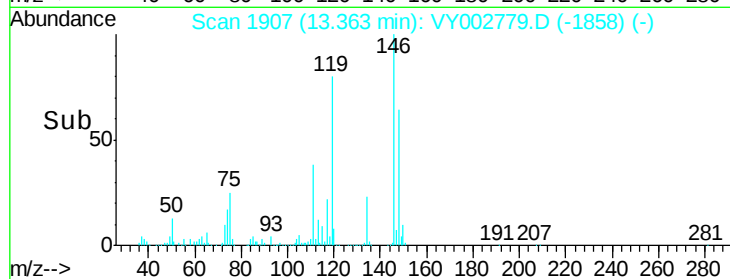
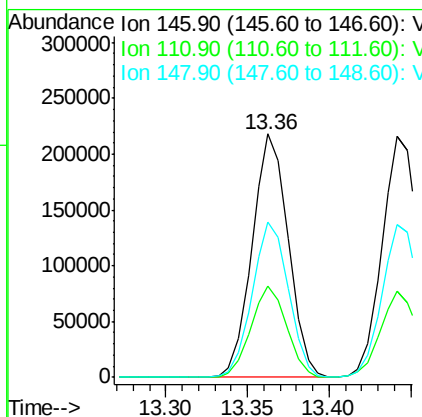
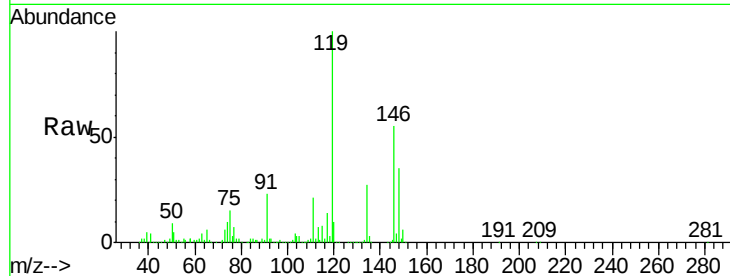
#87
 1,3-Dichlorobenzene
 Concen: 47.382 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.0
148	64.0	31.9	95.7

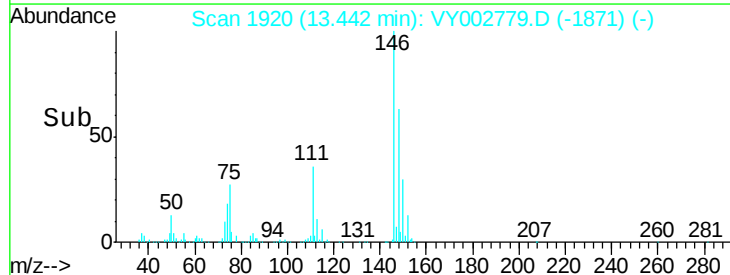
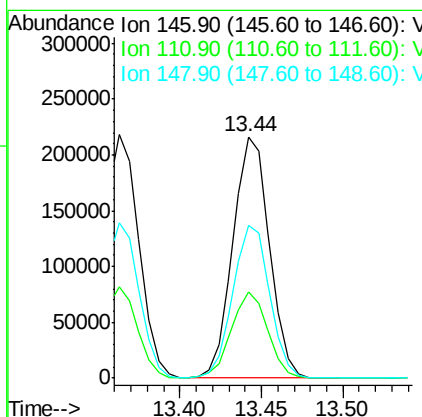
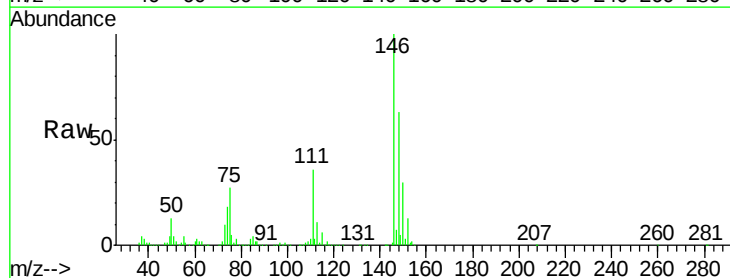
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#88
 1,4-Dichlorobenzene
 Concen: 47.628 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.1	54.3
148	63.7	32.1	96.3





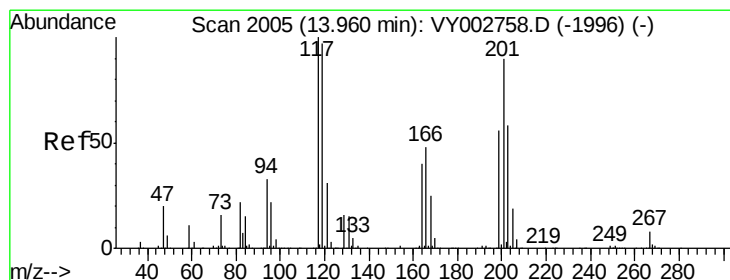
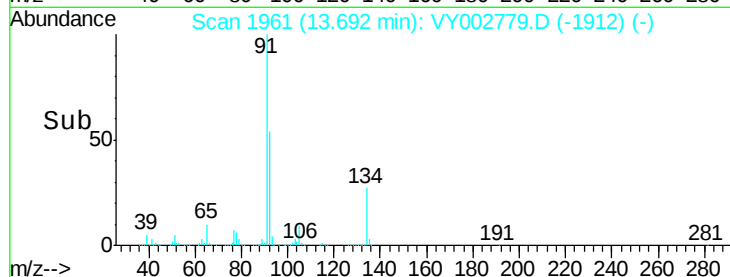
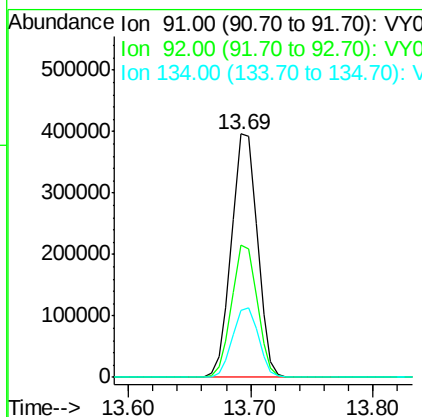
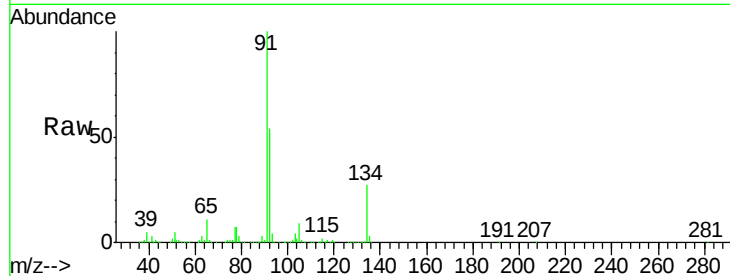
#89
n-Butylbenzene
Concen: 47.092 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.1	81.2
134	28.6	14.3	42.9

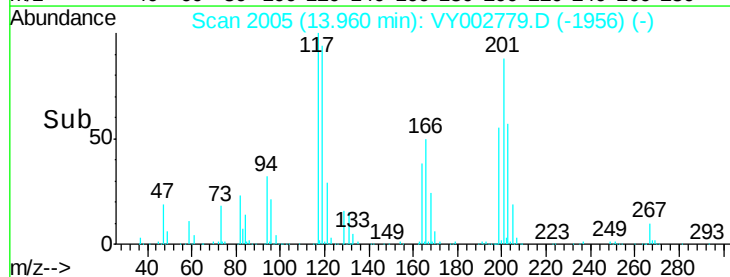
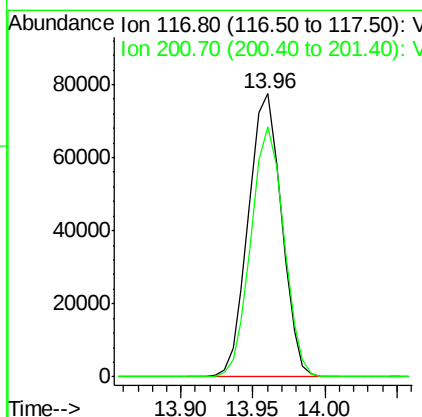
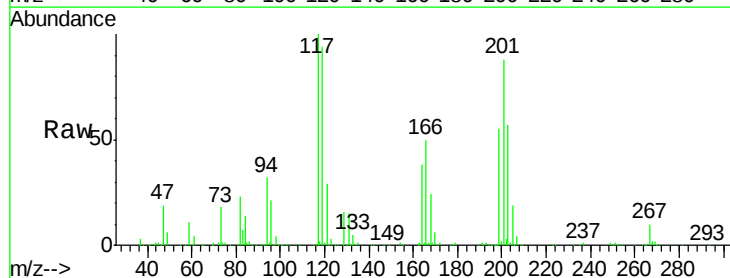
Manual Integrations
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#90
Hexachloroethane
Concen: 48.689 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	43.9	131.6





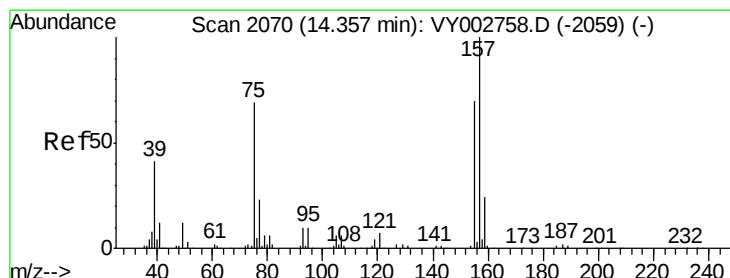
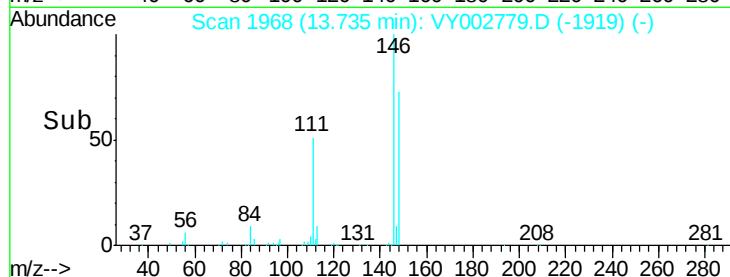
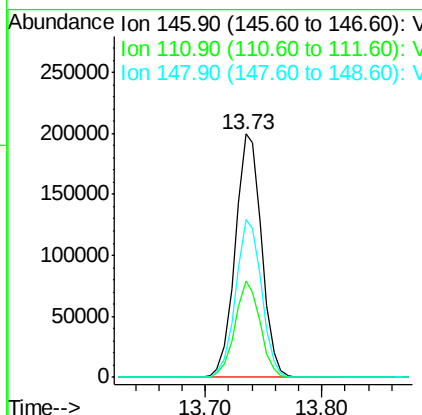
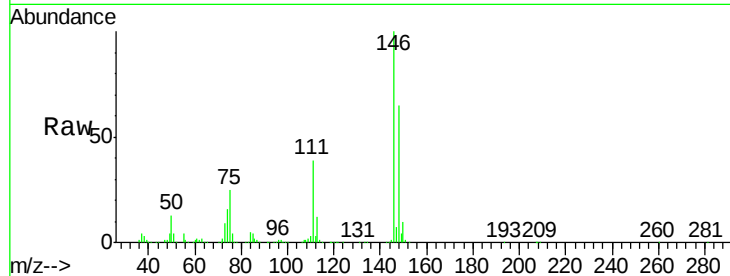
#91
 1,2-Dichlorobenzene
 Concen: 48.817 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	63.9	31.9	95.5

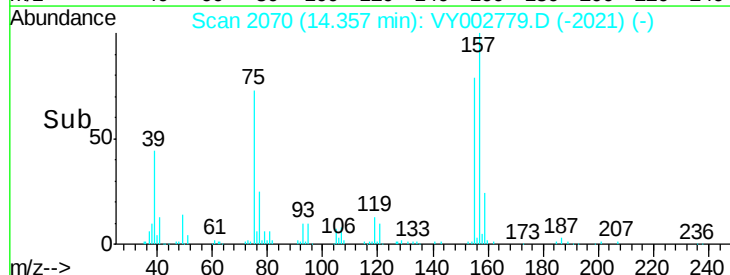
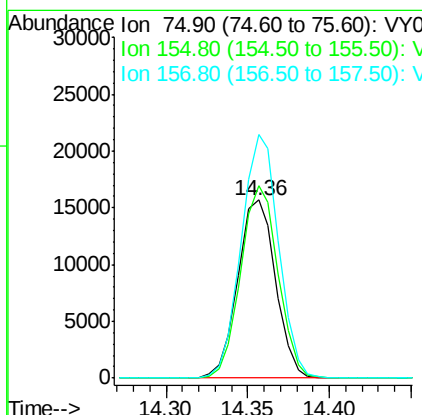
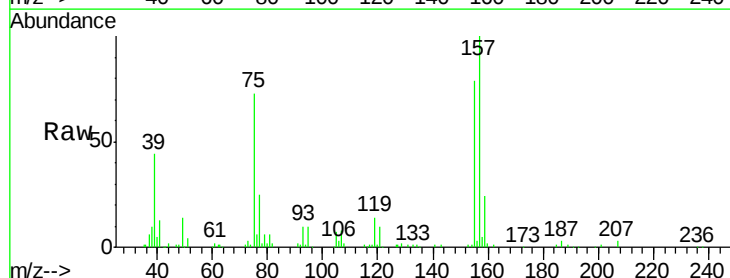
Manual Integrations
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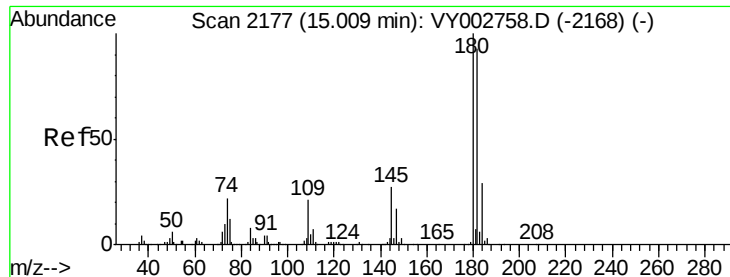
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.434 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.4	53.5	160.5
157	135.4	69.9	209.7





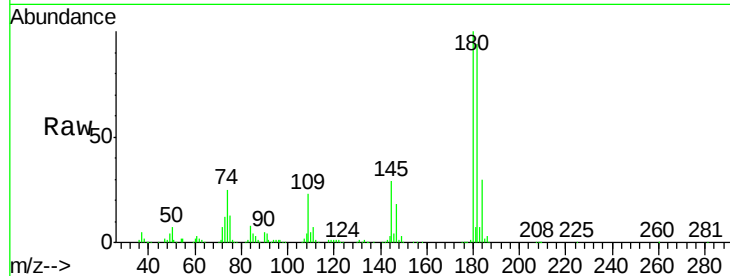
#93
 1,2,4-Trichlorobenzene
 Concen: 47.389 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

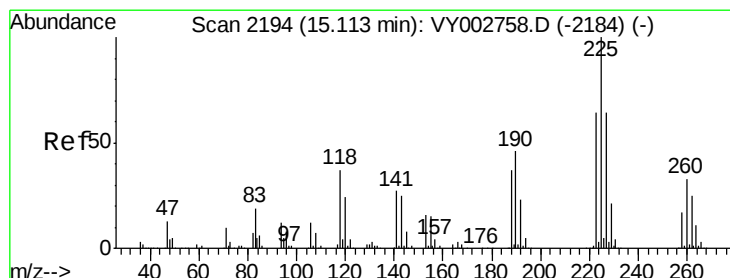
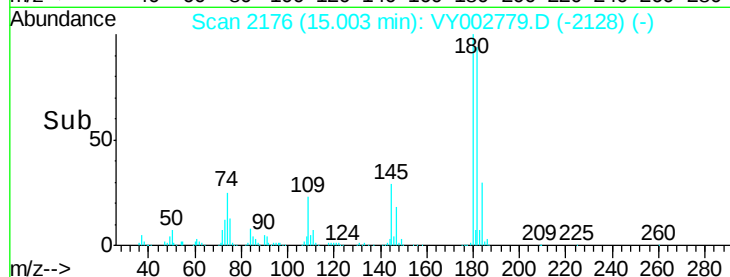
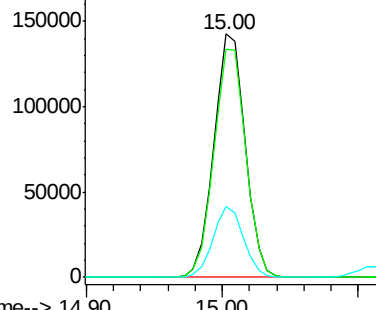
Tot Ion	Ratio	Resp	Lower	Upper
180	100	228969		
182	95.8	47.3	141.9	
145	28.3	14.1	42.3	

Manual Integrations
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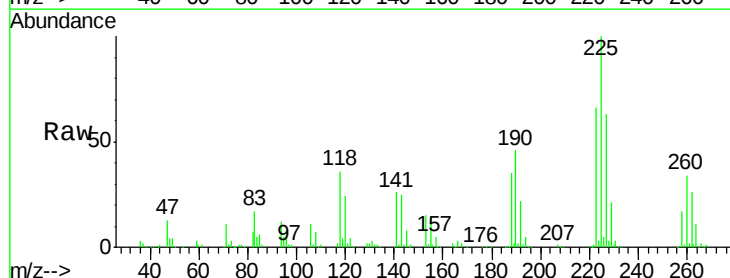


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

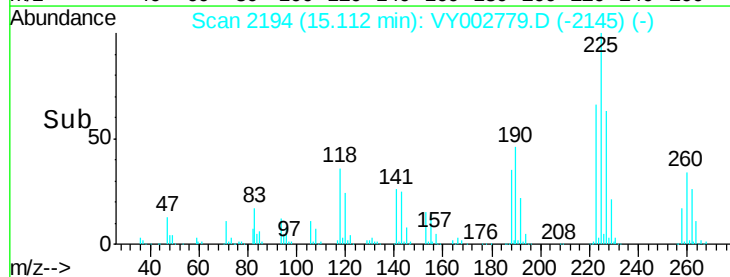
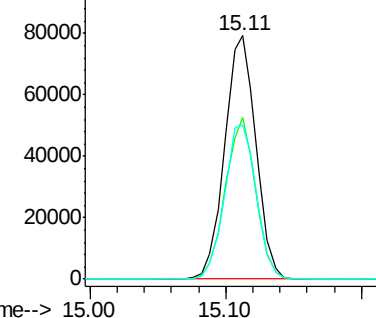


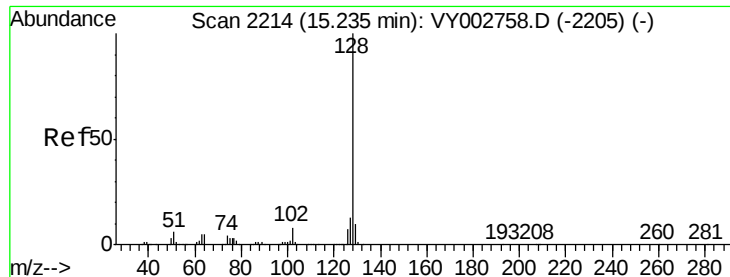
#94
 Hexachlorobutadiene
 Concen: 46.517 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY002779.D
 Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127476		
223	64.3	31.6	95.0	
227	64.7	32.3	96.9	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





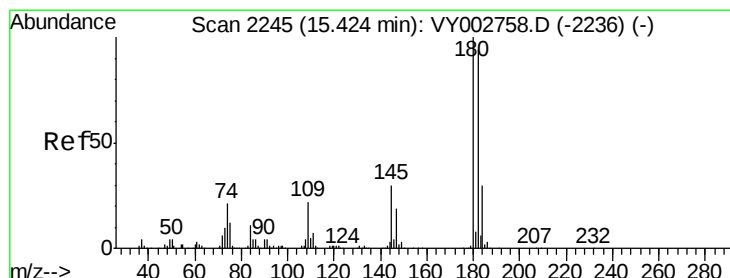
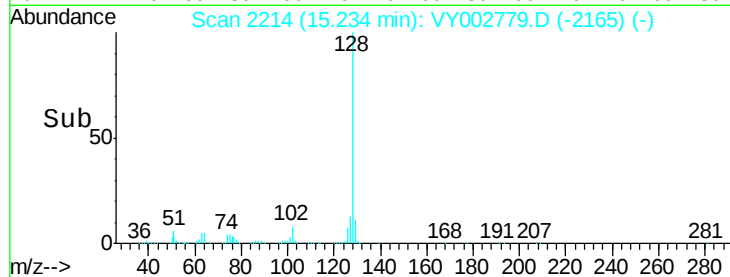
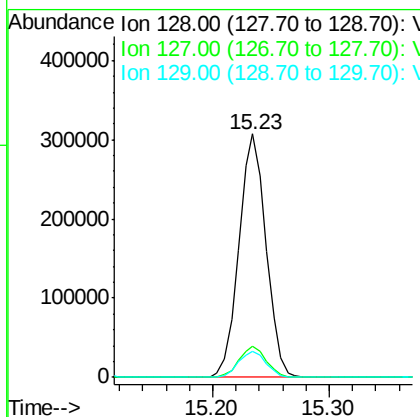
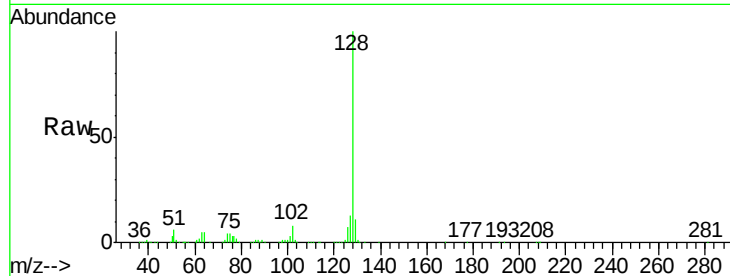
#95
Naphthalene
Concen: 51.369 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	497649		
127	12.8	10.3	15.5	
129	10.9	8.7	13.1	

Manual Integrations
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5/28/2020 2:08:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.555 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY002779.D
Acq: 27 May 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	209497		
182	96.4	48.1	144.4	
145	30.1	15.1	45.3	

