

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110920\
 Data File : VD067555.D
 Acq On : 09 Nov 2020 10:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 11/10/2020 1:11:46 PM

Quant Time: Nov 10 00:28:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	314769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	438996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	400307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	204226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	124525	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	7.92	113	128190	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.34	98	440619	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
62) 4-Bromofluorobenzene	12.64	95	157801	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	130878	51.502	ug/l	97
3) Chloromethane	2.21	50	85503	43.621	ug/l	99
4) Vinyl Chloride	2.35	62	98090	44.885	ug/l	98
5) Bromomethane	2.77	94	79496	44.880	ug/l	89
6) Chloroethane	2.92	64	61244	45.456	ug/l	99
7) Trichlorofluoromethane	3.27	101	283748	50.146	ug/l	92
8) Diethyl Ether	3.71	74	54779	48.045	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	139581	48.869	ug/l	97
10) Methyl Iodide	4.30	142	144906	47.335	ug/l	99
11) Tert butyl alcohol	5.21	59	31166	263.887	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	126848	48.282	ug/l	97
13) Acrolein	3.93	56	38082	304.732	ug/l	97
14) Allyl chloride	4.71	41	127190	45.235	ug/l	93
15) Acrylonitrile	5.41	53	105578	250.500	ug/l	99
16) Acetone	4.15	43	123083	298.841	ug/l	98
17) Carbon Disulfide	4.41	76	374230	46.485	ug/l	99
18) Methyl Acetate	4.72	43	40955	48.120	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	264632	51.065	ug/l	96
20) Methylene Chloride	4.97	84	136839	47.034	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	145608	47.584	ug/l	97
22) Diisopropyl ether	6.36	45	266572	48.650	ug/l	97
23) Vinyl Acetate	6.30	43	734730	256.165	ug/l	100
24) 1,1-Dichloroethane	6.26	63	209963	46.839	ug/l	96
25) 2-Butanone	7.21	43	112526	255.688	ug/l	99
26) 2,2-Dichloropropane	7.21	77	237873	50.280	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	151699	47.762	ug/l	95
28) Bromochloromethane	7.54	49	75436	47.310	ug/l	93
29) Tetrahydrofuran	7.56	42	67356	255.507	ug/l	97
30) Chloroform	7.71	83	264753	49.507	ug/l	100
31) Cyclohexane	7.99	56	181148	45.379	ug/l #	81
32) 1,1,1-Trichloroethane	7.90	97	275823	49.988	ug/l	99
36) 1,1-Dichloropropene	8.11	75	197340	52.516	ug/l	99
37) Ethyl Acetate	7.29	43	51585	52.876	ug/l	97
38) Carbon Tetrachloride	8.10	117	267237	54.736	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	239585	54.171	ug/l	97
40) Benzene	8.35	78	522575	51.339	ug/l	98
41) Methacrylonitrile	7.52	41	26115m	44.783	ug/l	
42) 1,2-Dichloroethane	8.43	62	165317	52.566	ug/l	100
43) Isopropyl Acetate	8.46	43	99733	51.691	ug/l	99
44) Trichloroethene	9.11	130	170574	50.965	ug/l	94
45) 1,2-Dichloropropane	9.39	63	110260	50.102	ug/l	94
46) Dibromomethane	9.48	93	71984	51.443	ug/l	97
47) Bromodichloromethane	9.66	83	197637	51.965	ug/l	95
48) Methyl methacrylate	9.46	41	55647	55.860	ug/l	99
49) 1,4-Dioxane	9.46	88	14631	1029.980	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	251233	272.269	ug/l	99
52) Toluene	10.41	92	362085	53.109	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	181656	55.768	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	197871	51.128	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	95826	51.758	ug/l	97
56) Ethyl methacrylate	10.66	69	104496	54.656	ug/l	97
57) 1,3-Dichloropropane	10.95	76	157054	52.715	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	235434	264.064	ug/l	98
59) 2-Hexanone	10.98	43	196826	305.072	ug/l	98
60) Dibromochloromethane	11.14	129	150567	54.976	ug/l	100
61) 1,2-Dibromoethane	11.25	107	95264	51.268	ug/l	99
64) Tetrachloroethene	10.88	164	154369	52.070	ug/l	96
65) Chlorobenzene	11.67	112	389595	50.525	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	158456	52.138	ug/l	99
67) Ethyl Benzene	11.75	91	707262	53.601	ug/l	99
68) m/p-Xylenes	11.86	106	542600	105.699	ug/l	99
69) o-Xylene	12.18	106	243571	53.143	ug/l	98
70) Styrene	12.20	104	423900	53.077	ug/l	99
71) Bromoform	12.37	173	82602	53.292	ug/l #	97
73) Isopropylbenzene	12.48	105	704595	53.383	ug/l	99
74) N-amyl acetate	12.29	43	90369	52.033	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	92955	51.647	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	68742m	55.797	ug/l	
77) Bromobenzene	12.77	156	166785	51.454	ug/l	98
78) n-propylbenzene	12.83	91	803592	53.228	ug/l	100
79) 2-Chlorotoluene	12.91	91	456258	53.203	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	609077	54.020	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31079	51.216	ug/l	98
82) 4-Chlorotoluene	13.01	91	485809	52.819	ug/l	98
83) tert-Butylbenzene	13.23	119	532133	55.688	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	605076	53.913	ug/l	100
85) sec-Butylbenzene	13.40	105	706182	54.744	ug/l	100
86) p-Isopropyltoluene	13.52	119	676278	54.290	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	318681	51.524	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	316002	50.456	ug/l	99
89) n-Butylbenzene	13.84	91	590182	54.851	ug/l	100
90) Hexachloroethane	14.11	117	125355	53.437	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	275710	51.505	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17218	54.032	ug/l	96

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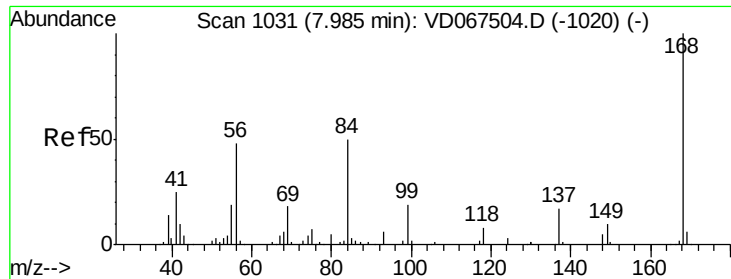
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	198577	54.656	ug/l	99
94) Hexachlorobutadiene	15.27	225	126704	52.107	ug/l	99
95) Naphthalene	15.40	128	318542	56.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	168731	54.233	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 314769

Ion Ratio Lower Upper

168 100

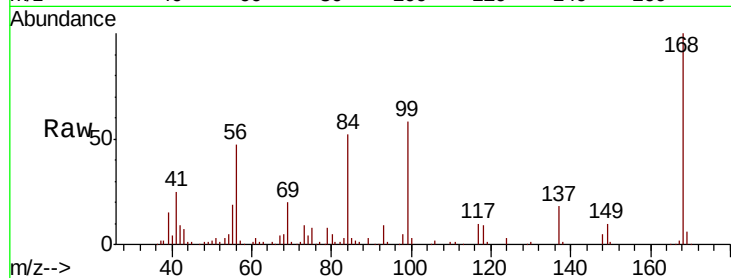
99 57.8 45.0 67.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

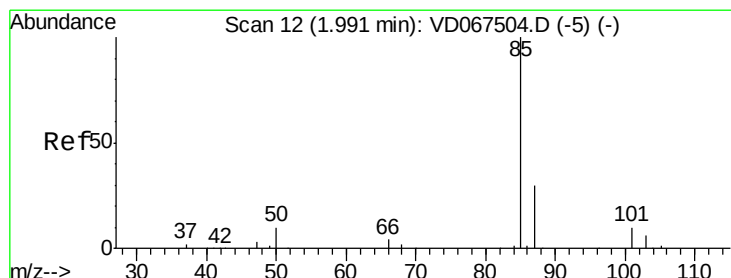
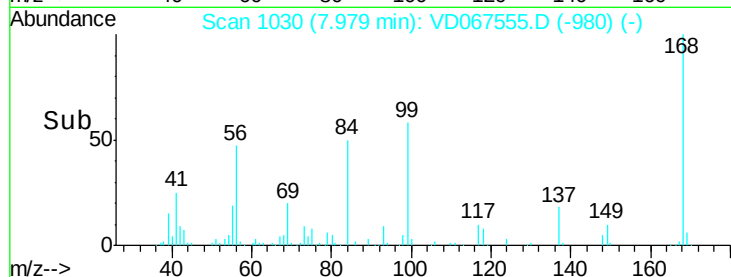
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.502 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067555.D

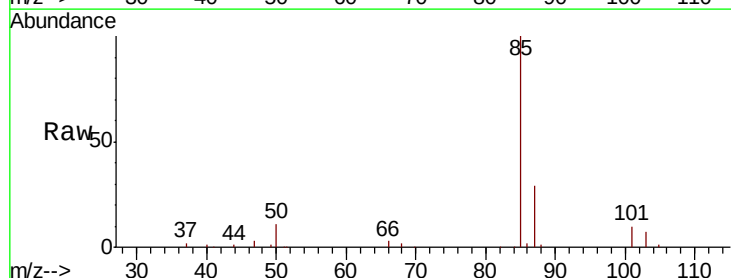
Acq: 09 Nov 2020 10:05

Tgt Ion: 85 Resp: 130878

Ion Ratio Lower Upper

85 100

87 29.1 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

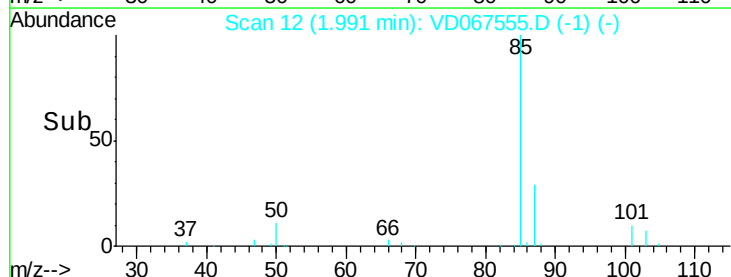
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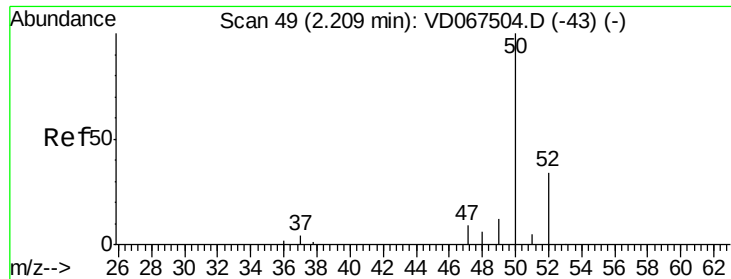
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0

1.90 1.95 2.00 2.05 2.10

Time-->





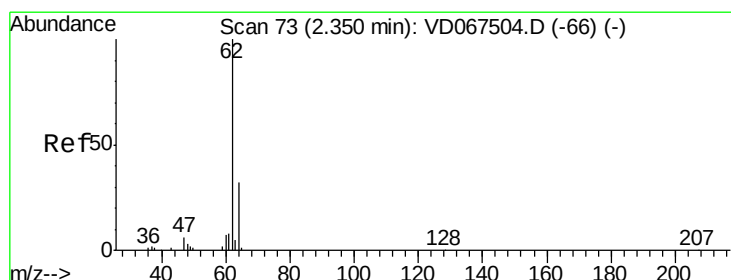
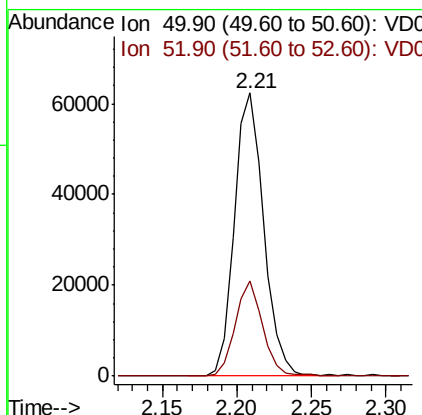
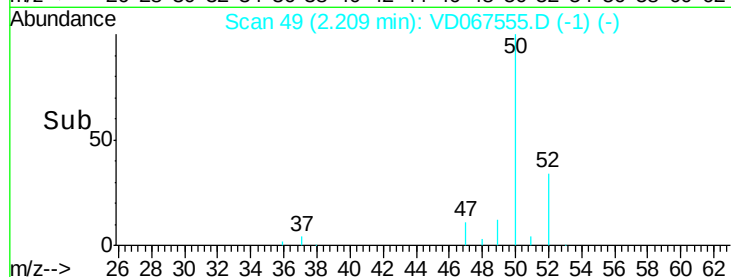
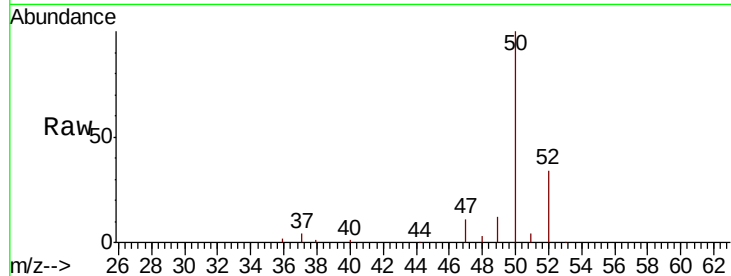
#3
 Chloromethane
 Concen: 43.621 ug/l
 RT: 2.21 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.5	27.3	40.9

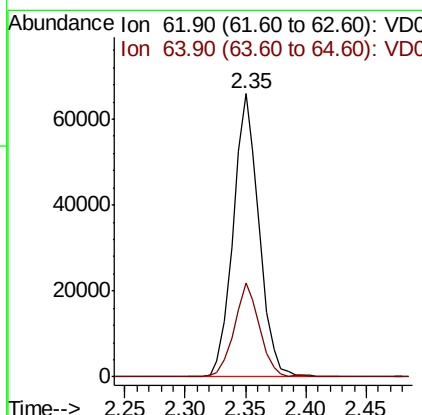
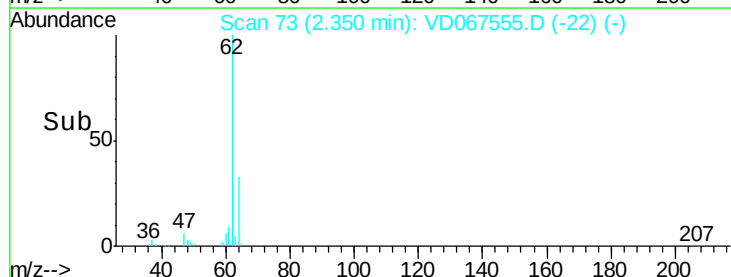
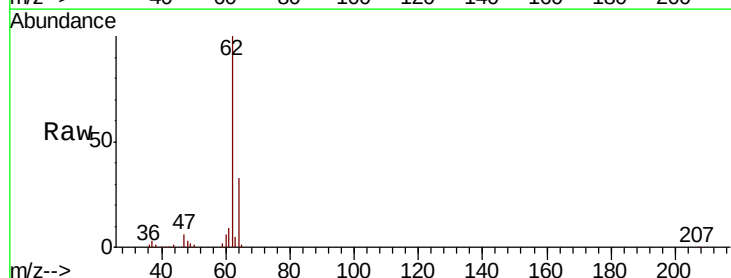
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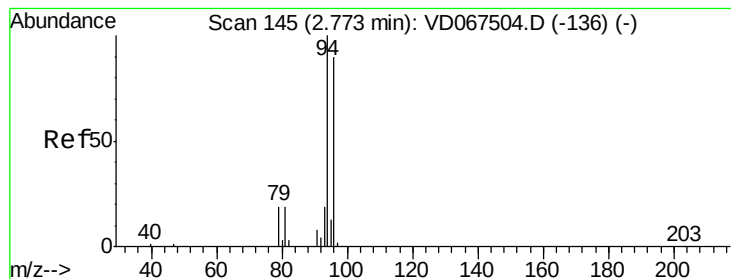
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#4
 Vinyl Chloride
 Concen: 44.885 ug/l
 RT: 2.35 min Scan# 73
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.2	25.6	38.4





#5

Bromomethane

Concen: 44.880 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 79496

Ion Ratio Lower Upper

94 100

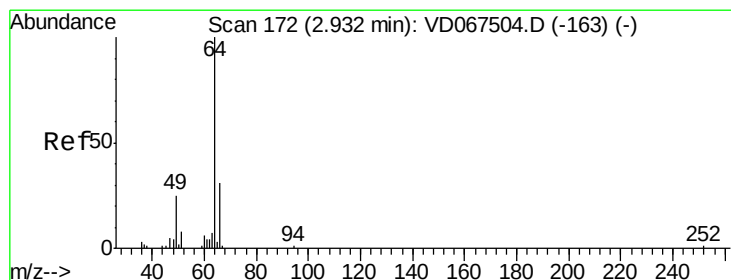
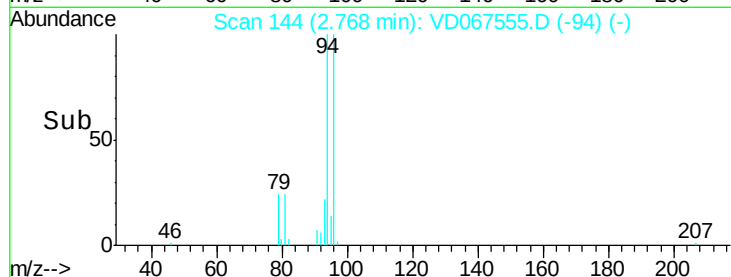
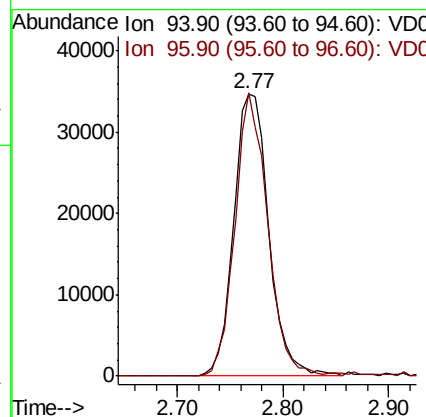
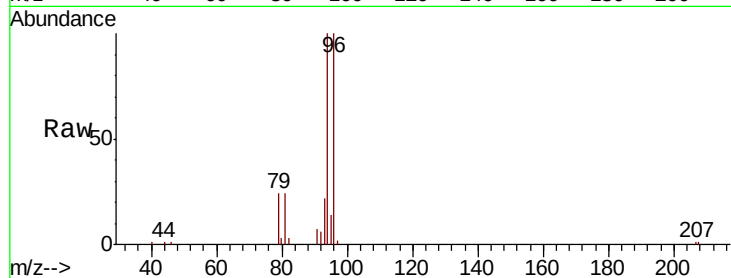
96 100.2 72.2 108.2

Manual Integrations

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11/10/2020 1:11:46 PM



#6

Chloroethane

Concen: 45.456 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067555.D

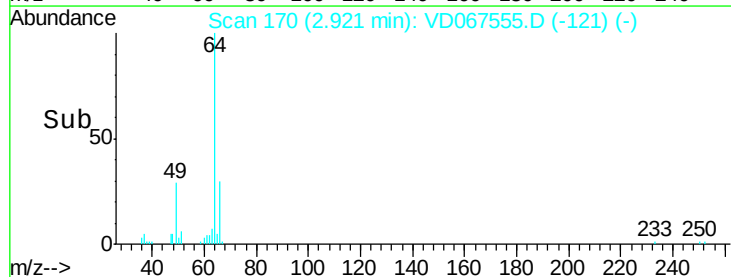
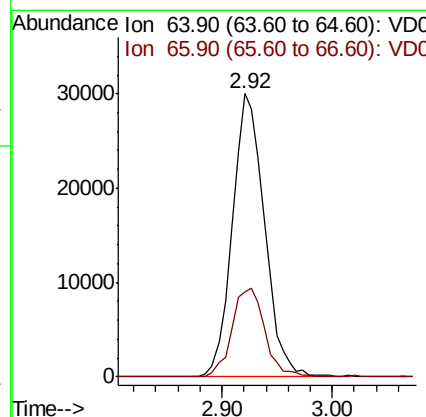
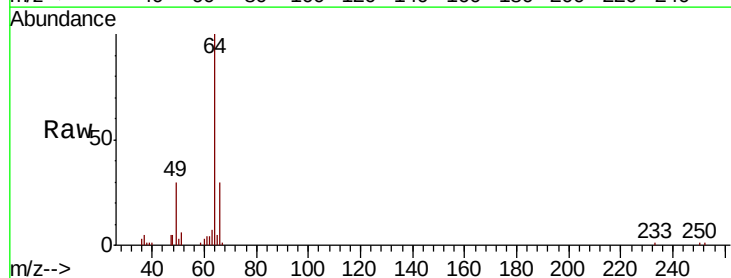
Acq: 09 Nov 2020 10:05

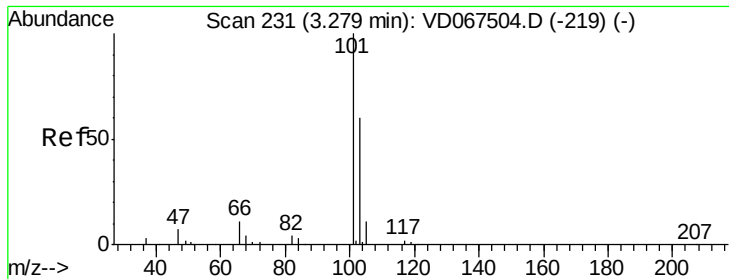
Tgt Ion: 64 Resp: 61244

Ion Ratio Lower Upper

64 100

66 30.2 24.6 36.8





#7

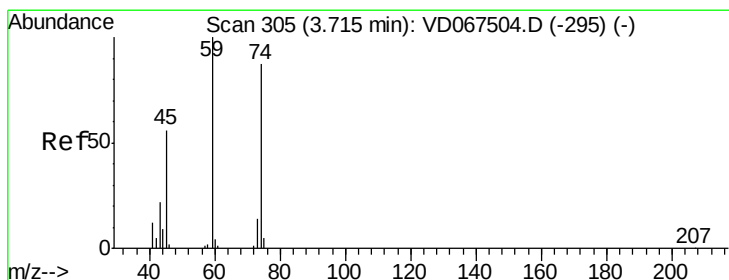
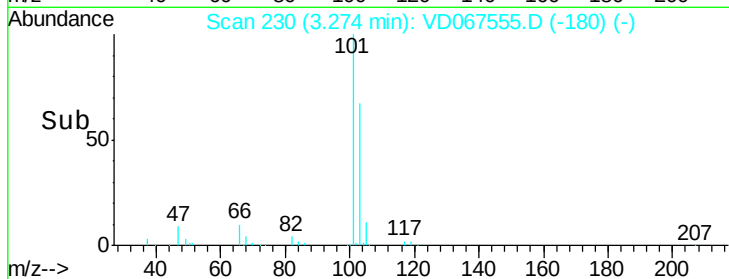
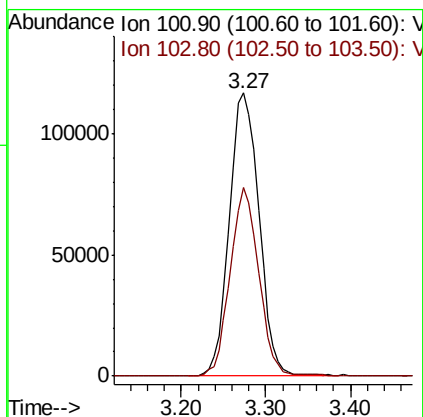
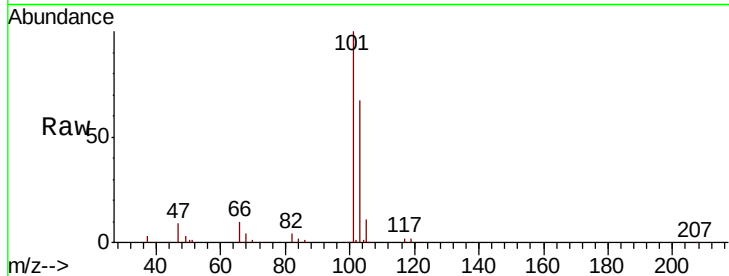
Trichlorofluoromethane
Concen: 50.146 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	48.1	72.1

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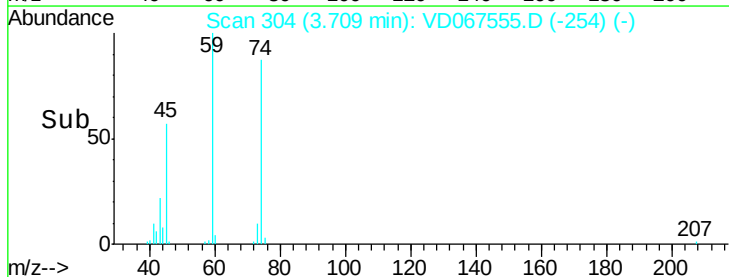
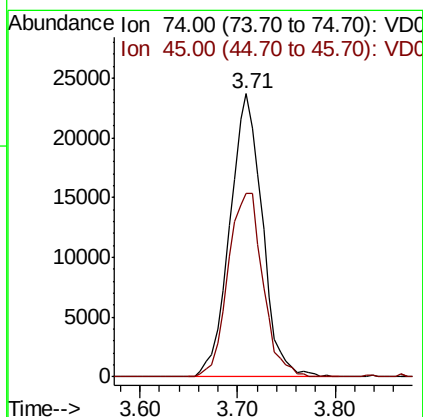
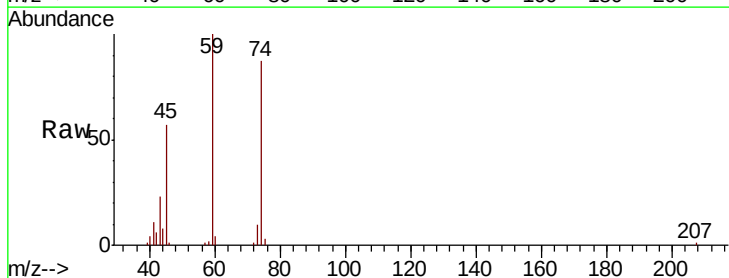
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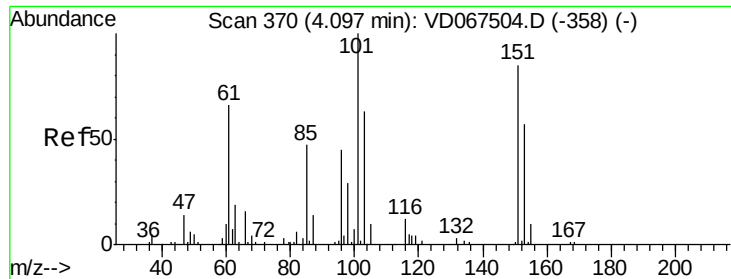


#8

Diethyl Ether
Concen: 48.045 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	69.6	38.2	114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.869 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

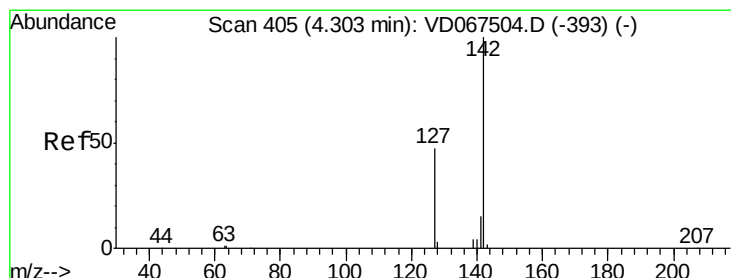
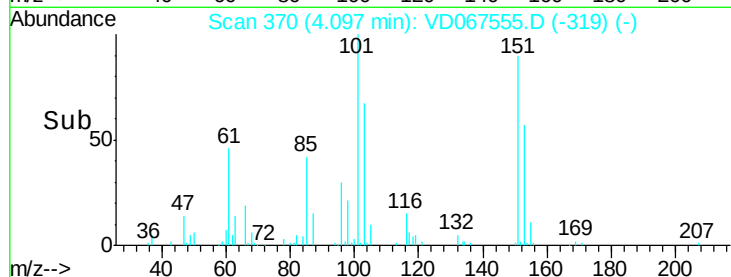
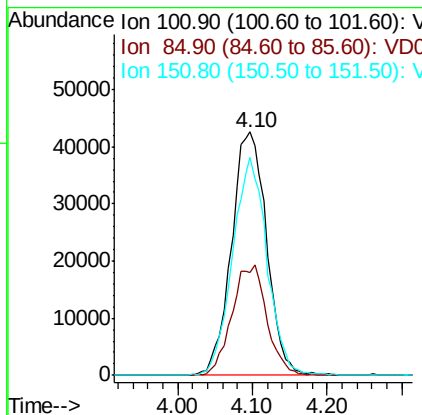
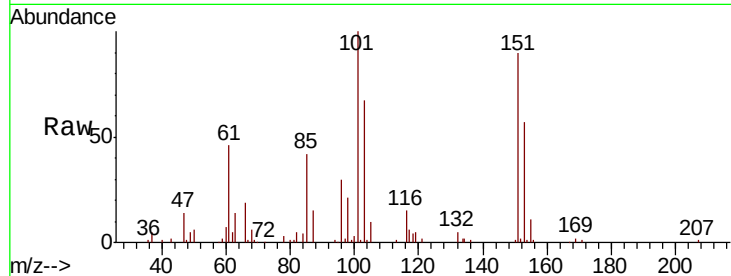
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	139581
Ion Ratio	Lower	Upper	
101	100		
85	44.9	34.4	51.6
151	87.6	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 47.335 ug/l

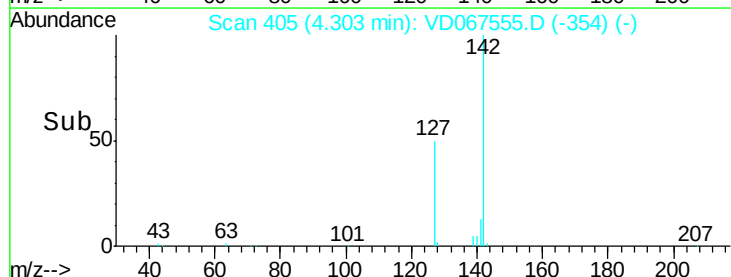
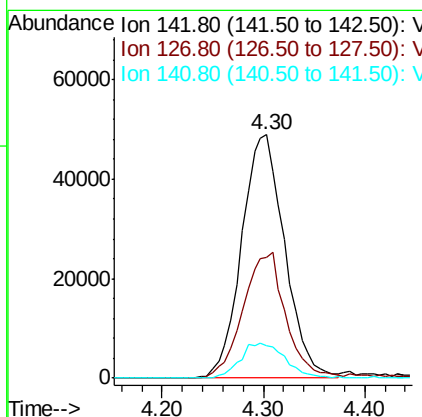
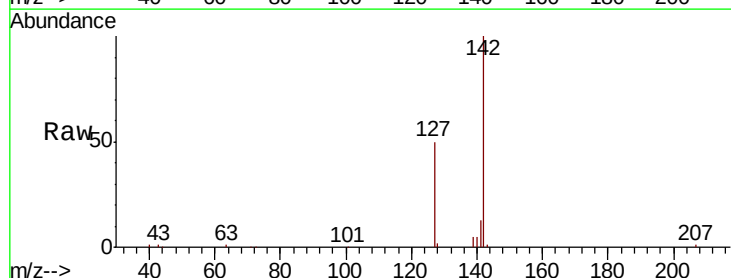
RT: 4.30 min Scan# 405

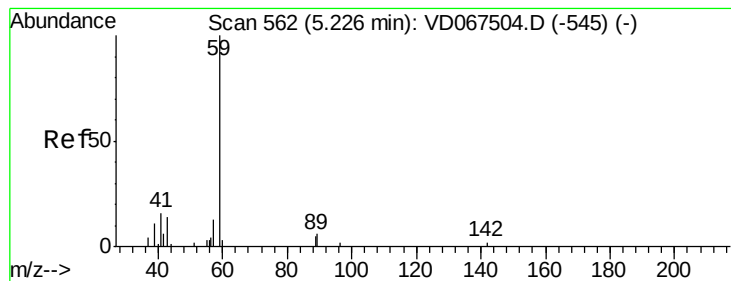
Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Tgt Ion:	142	Resp:	144906
Ion Ratio	Lower	Upper	
142	100		
127	51.1	40.0	60.0
141	14.7	11.7	17.5





#11

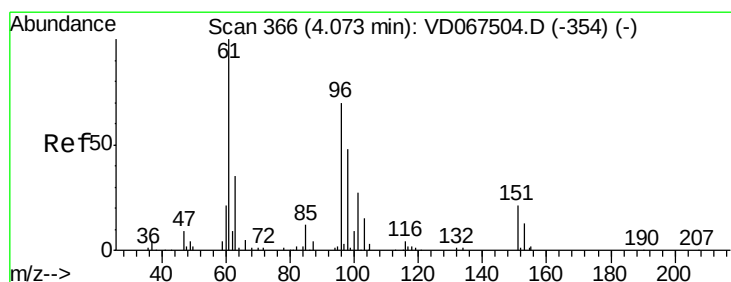
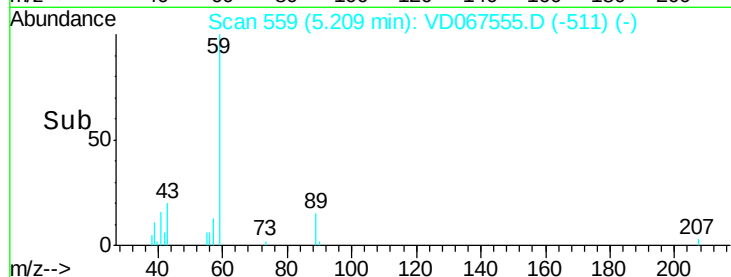
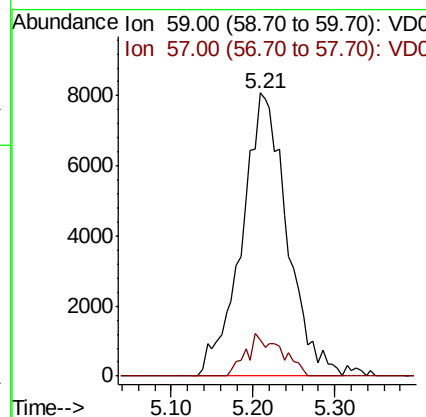
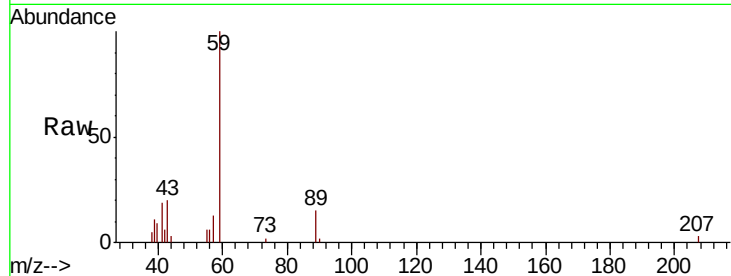
Tert butyl alcohol
 Concen: 263.887 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 31166
 Ion Ratio Lower Upper
 59 100
 57 11.5 5.9 8.9#

Manual Integrations
 APPROVED

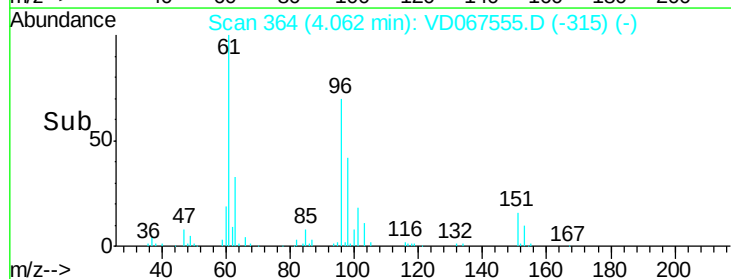
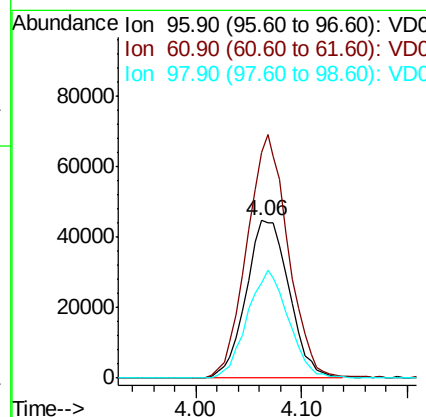
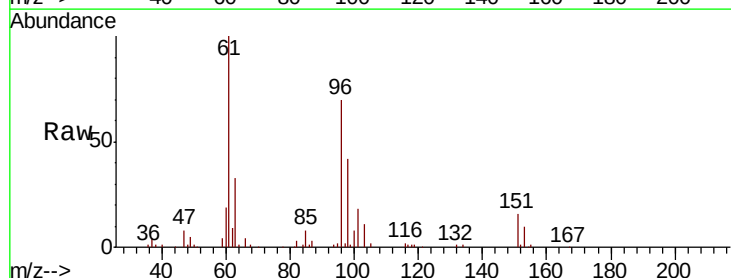
MMDadoda
 11/10/2020 1:11:46 PM

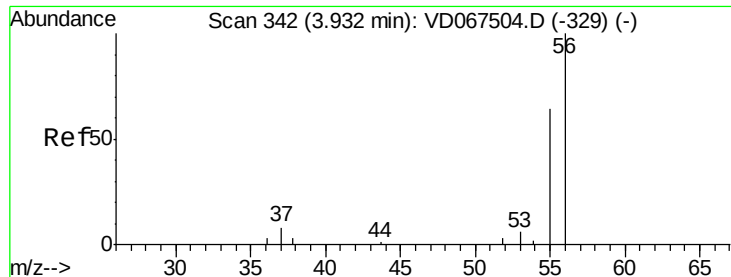


#12

1,1-Dichloroethene
 Concen: 48.282 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion: 96 Resp: 126848
 Ion Ratio Lower Upper
 96 100
 61 143.2 114.5 171.7
 98 60.2 54.5 81.7





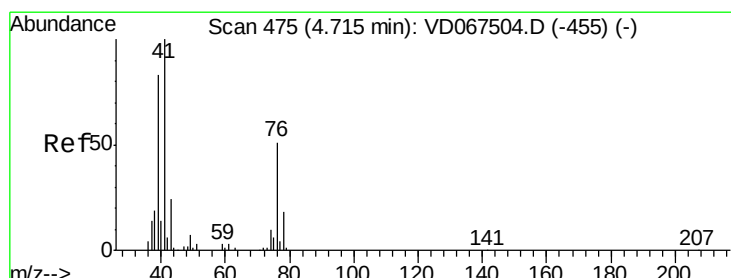
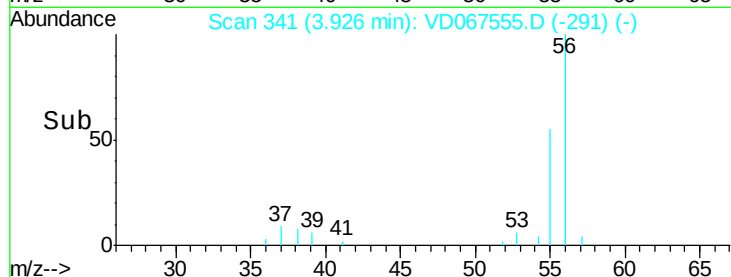
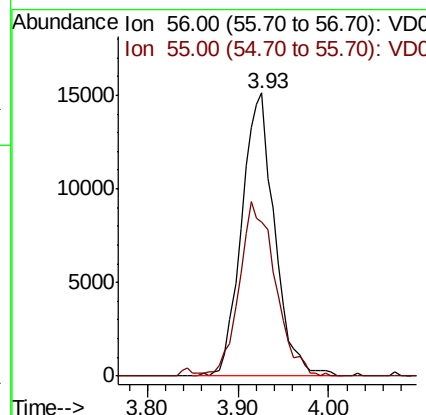
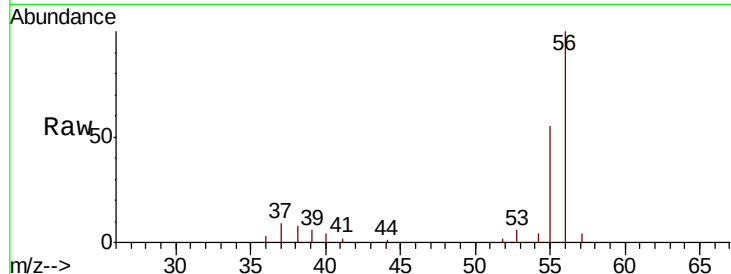
#13
Acrolein
Concen: 304.732 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	38082
Ion Ratio	Lower	Upper	
56	100		
55	67.4	55.8	83.8

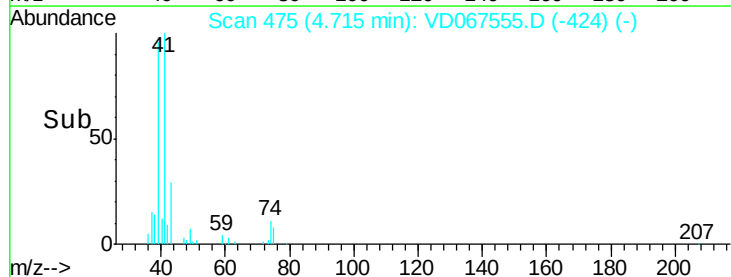
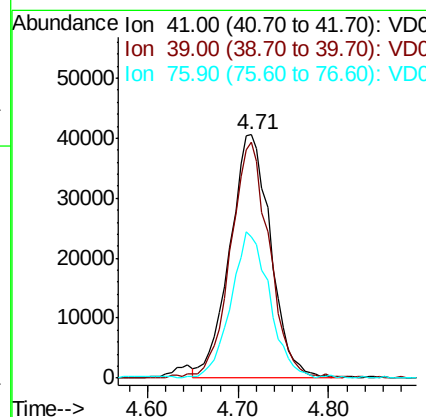
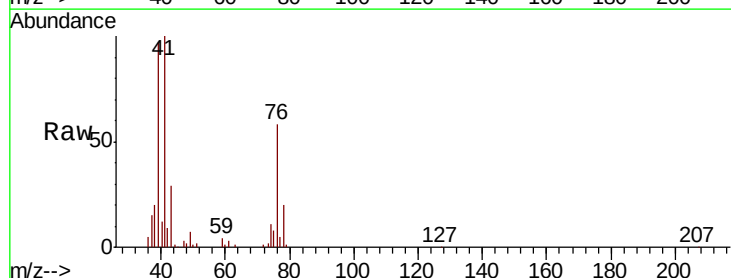
Manual Integrations
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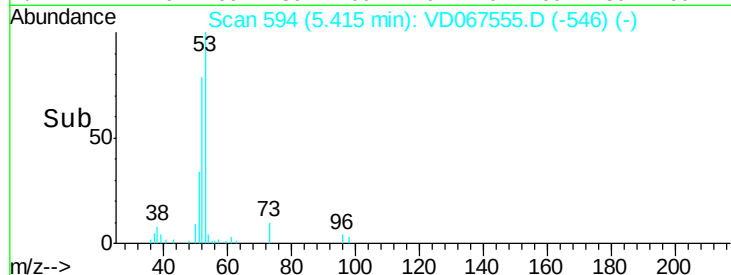
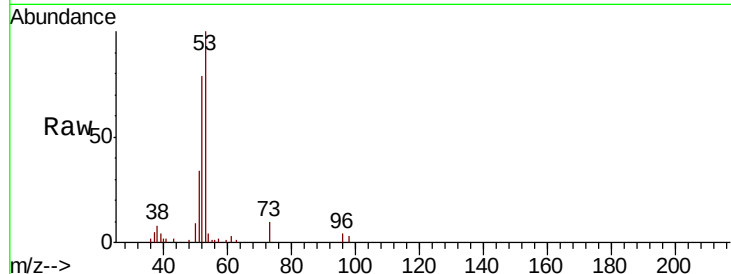
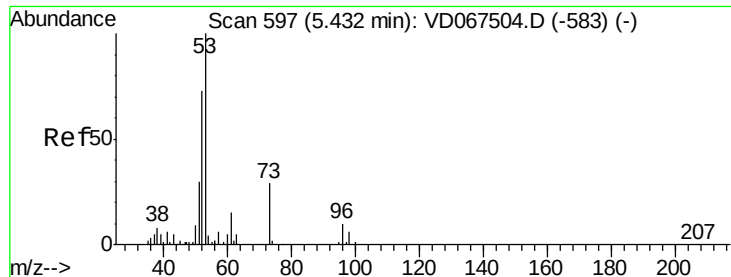
MMDadoda
11/10/2020 1:11:46 PM



#14
Allyl chloride
Concen: 45.235 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	41	Resp	127190
Ion Ratio	Lower	Upper	
41	100		
39	91.9	67.4	101.0
76	55.6	42.2	63.2





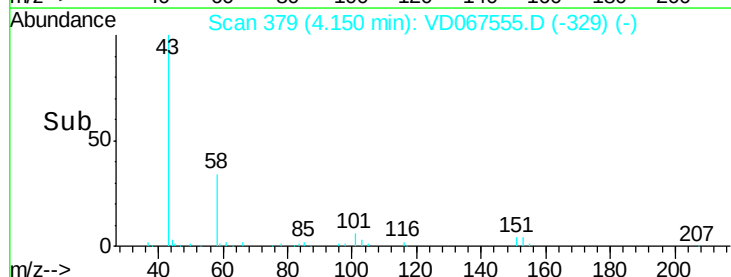
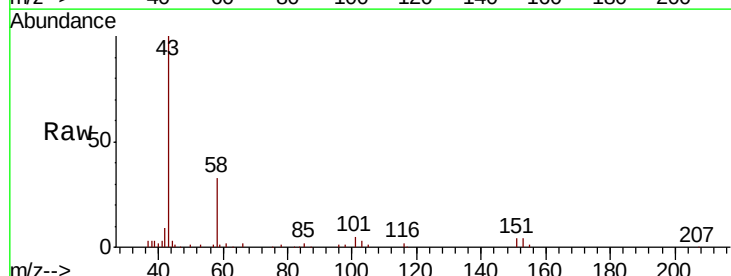
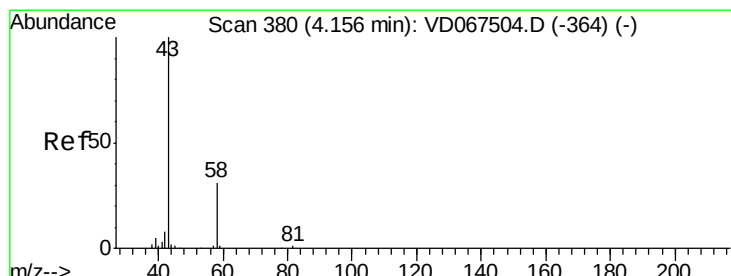
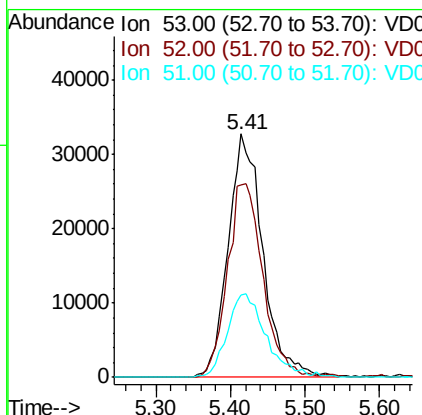
#15
Acrylonitrile
Concen: 250.500 ug/l
RT: 5.41 min Scan# 594
Delta R.T. -0.02 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.5	64.8	97.2
51	38.1	29.5	44.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

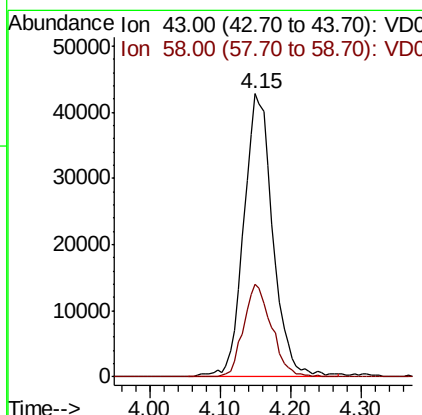
Manual Integrations
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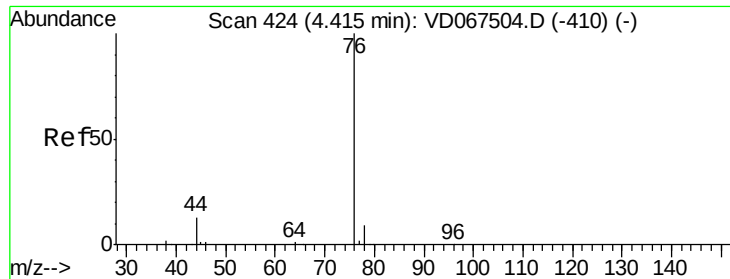
MMDadoda
11/10/2020 1:11:46 PM



#16
Acetone
Concen: 298.841 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.6	25.2	37.8





#17

Carbon Disulfide

Concen: 46.485 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 374230

Ion Ratio Lower Upper

76 100

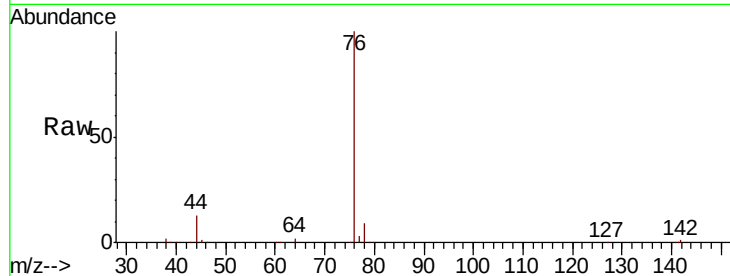
78 9.4 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

150000

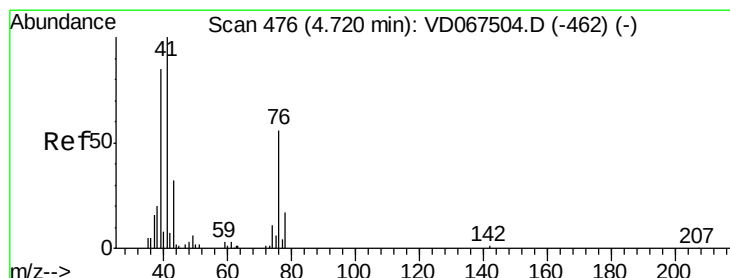
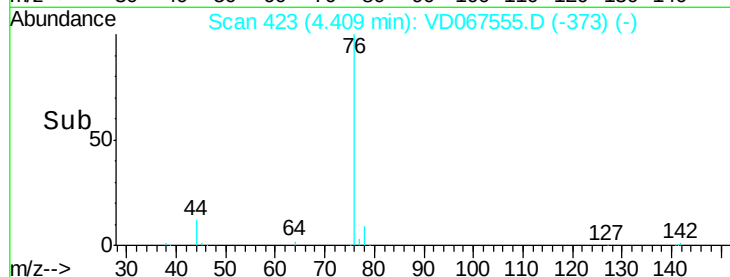
100000

50000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 48.120 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067555.D

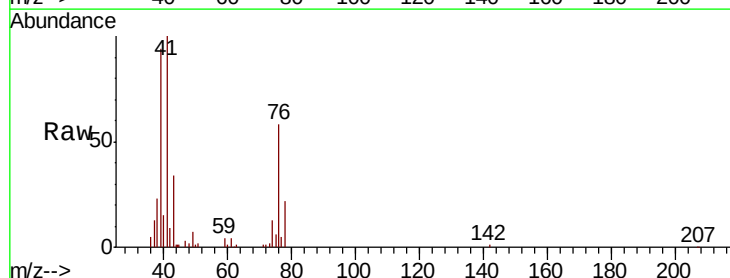
Acq: 09 Nov 2020 10:05

Tgt Ion: 43 Resp: 40955

Ion Ratio Lower Upper

43 100

74 34.3 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

15000

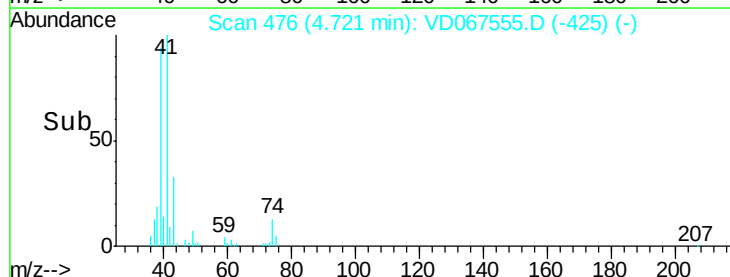
10000

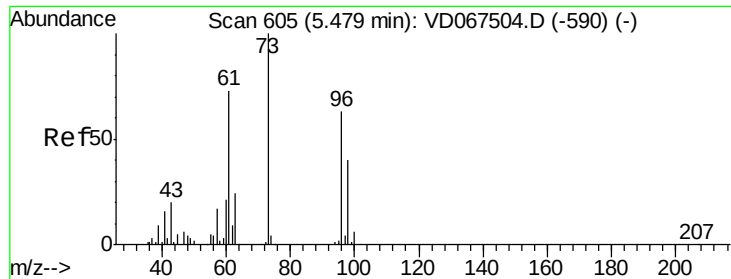
5000

0

4.60 4.70 4.80

Time-->





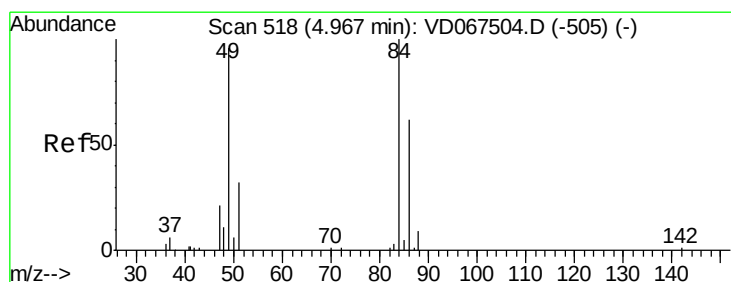
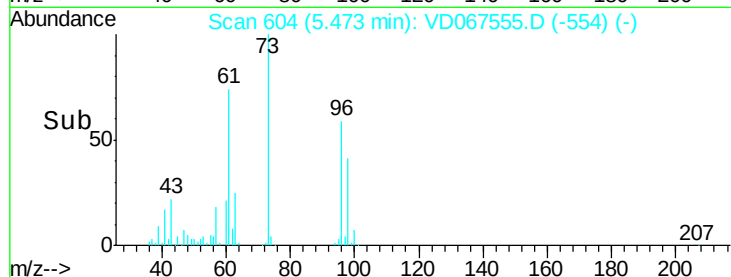
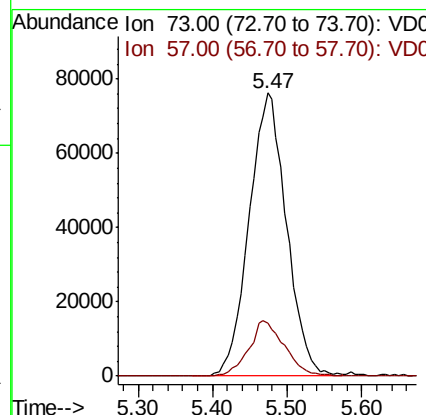
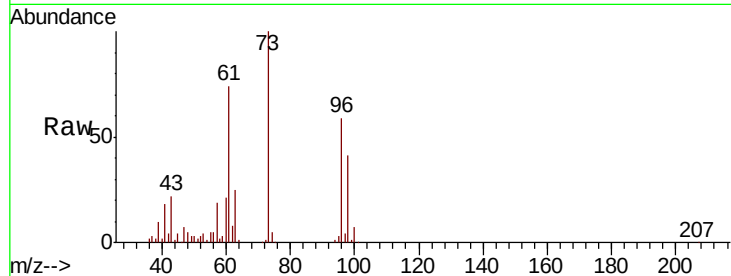
#19
Methyl tert-butyl Ether
Concen: 51.065 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 264632
Ion Ratio Lower Upper
73 100
57 18.5 13.4 20.0

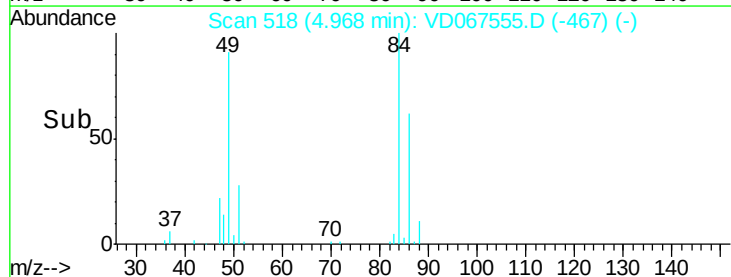
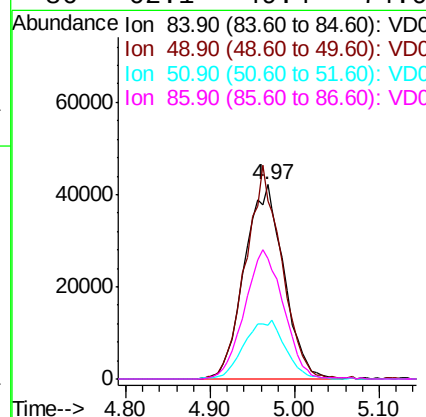
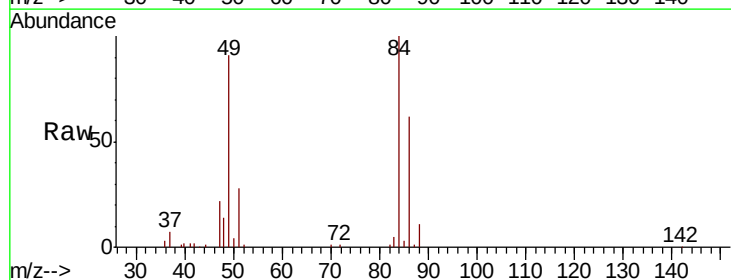
Manual Integrations
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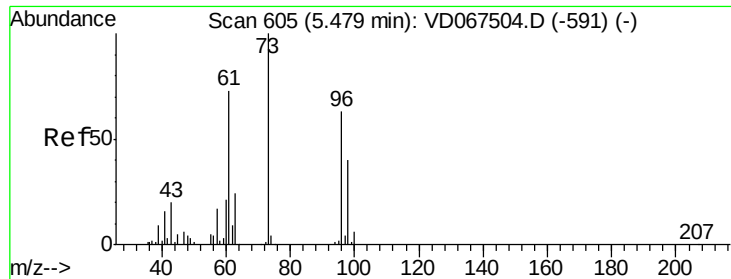
MMDadoda
11/10/2020 1:11:46 PM



#20
Methylene Chloride
Concen: 47.034 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion: 84 Resp: 136839
Ion Ratio Lower Upper
84 100
49 91.5 77.0 115.4
51 27.8 25.4 38.2
86 62.1 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 47.584 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

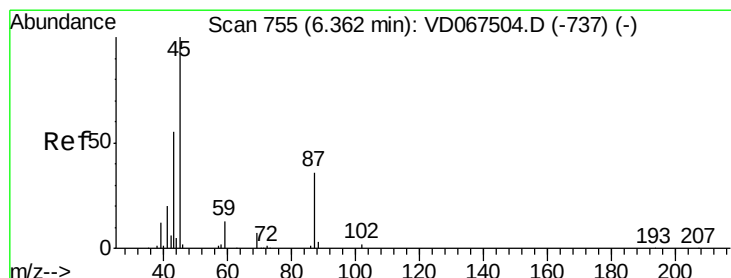
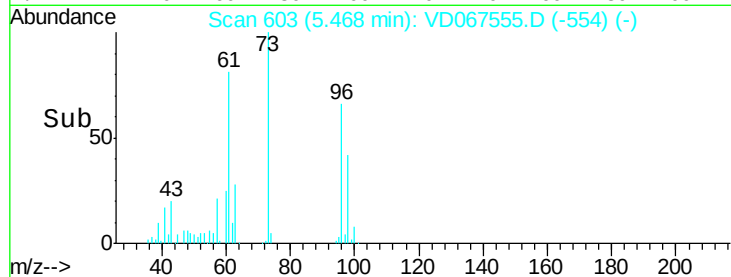
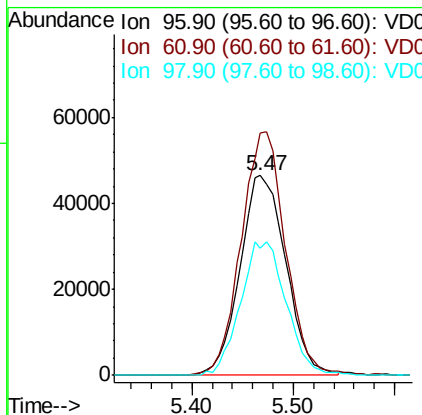
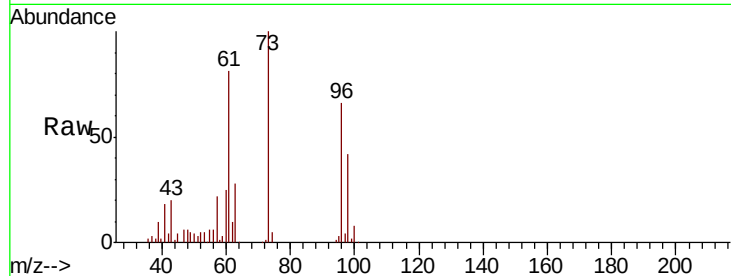
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	145608
Ion	Ratio	Lower	Upper
96	100		
61	121.3	93.0	139.6
98	63.8	50.9	76.3

Manual Integrations
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11/10/2020 1:11:46 PM



#22

Diisopropyl ether

Concen: 48.650 ug/l

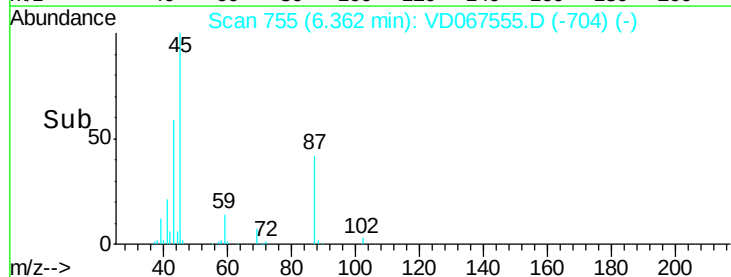
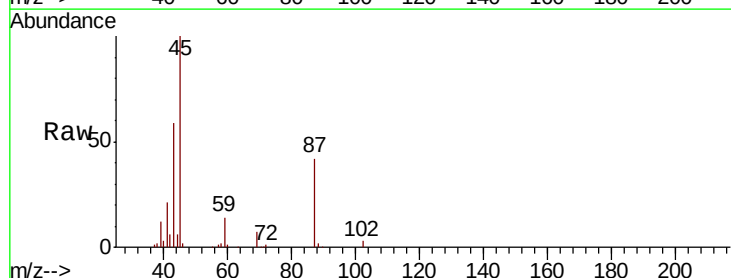
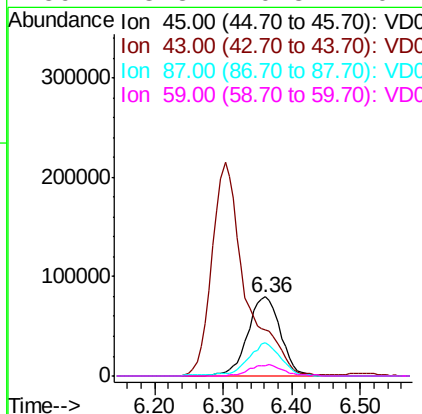
RT: 6.36 min Scan# 755

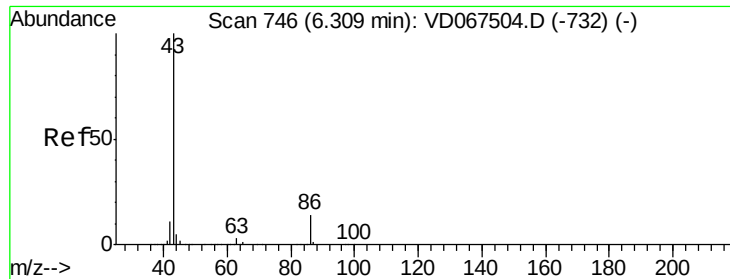
Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Tgt Ion:	45	Resp:	266572
Ion	Ratio	Lower	Upper
45	100		
43	57.4	46.2	69.4
87	42.0	29.4	44.2
59	13.3	10.8	16.2





#23

Vinyl Acetate

Concen: 256.165 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 734730

Ion Ratio Lower Upper

43 100

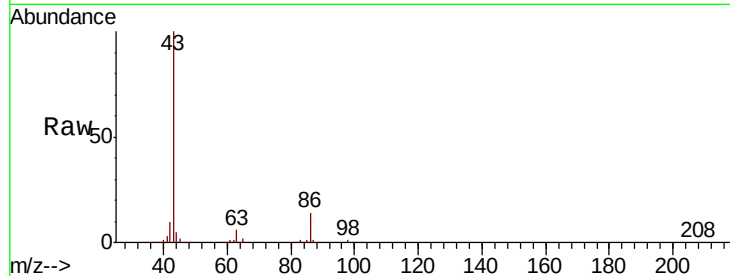
86 14.3 11.6 17.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

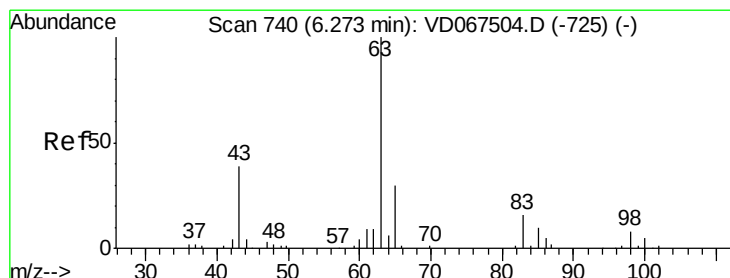
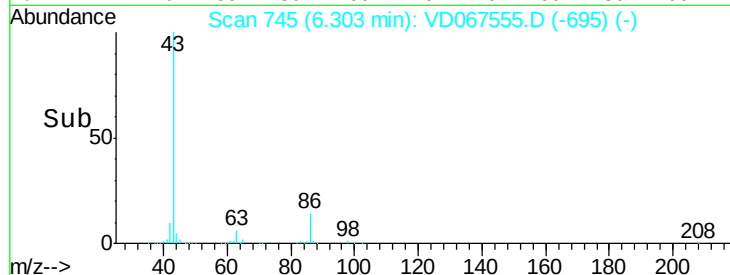
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 46.839 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

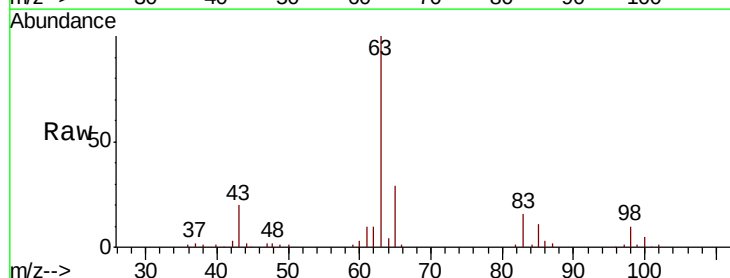
Tgt Ion: 63 Resp: 209963

Ion Ratio Lower Upper

63 100

98 9.6 3.9 11.5

100 4.6 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

80000

60000

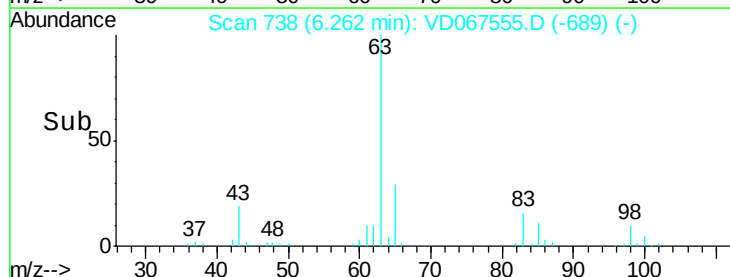
40000

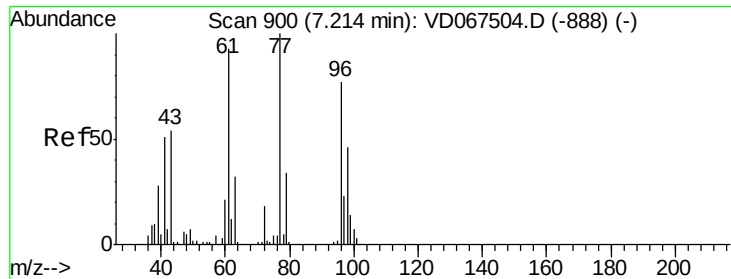
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 255.688 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 112526

Ion Ratio Lower Upper

43 100

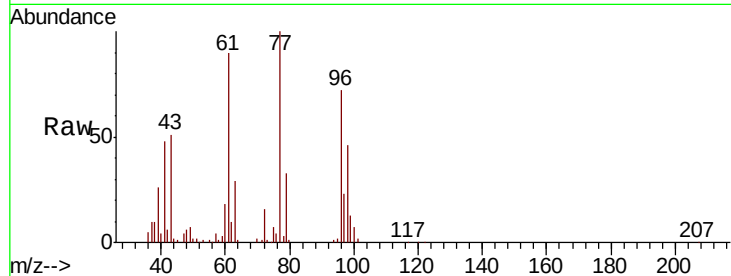
72 32.6 26.4 39.6

Manual Integrations

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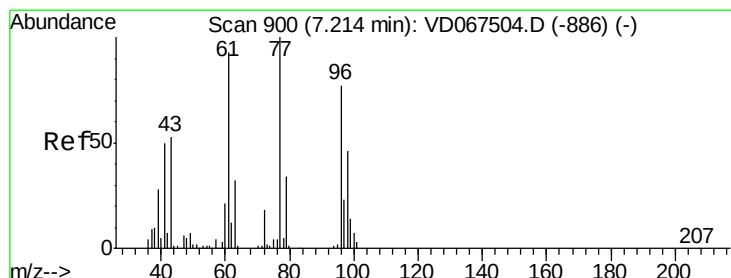
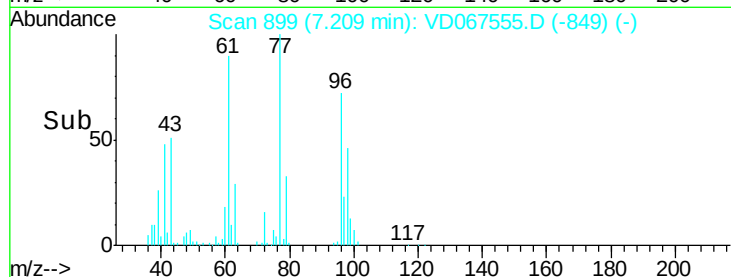
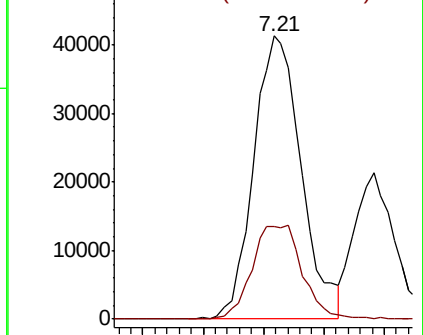
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.280 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067555.D

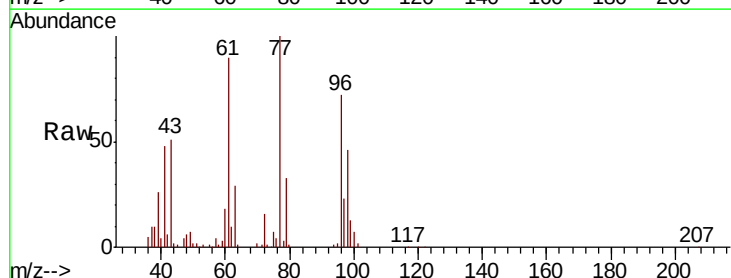
Acq: 09 Nov 2020 10:05

Tgt Ion: 77 Resp: 237873

Ion Ratio Lower Upper

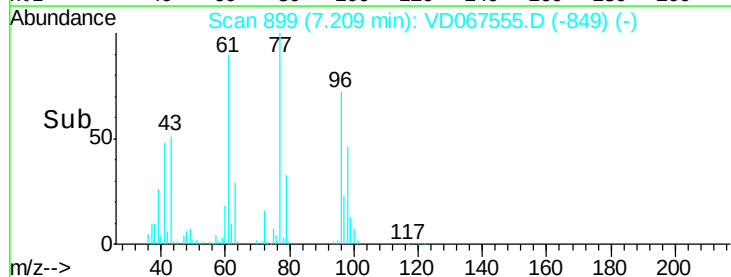
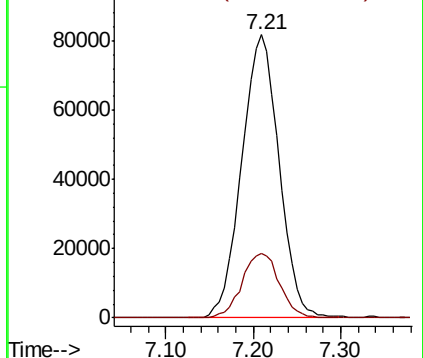
77 100

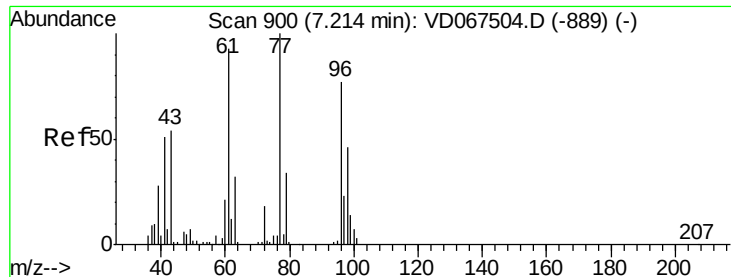
97 22.8 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

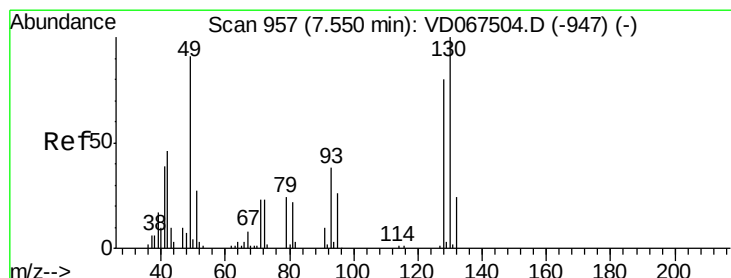
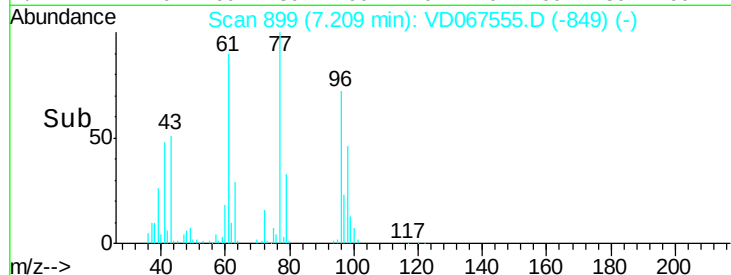
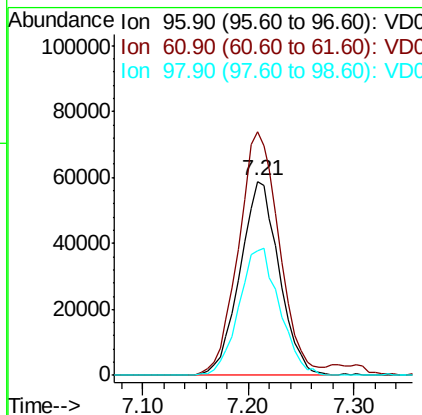
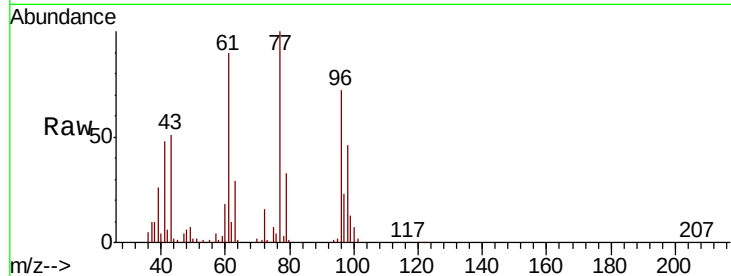
cis-1,2-Dichloroethene
Concen: 47.762 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	151699		
61	131.1	0.0	251.6	
98	67.7	0.0	128.0	

Manual Integrations
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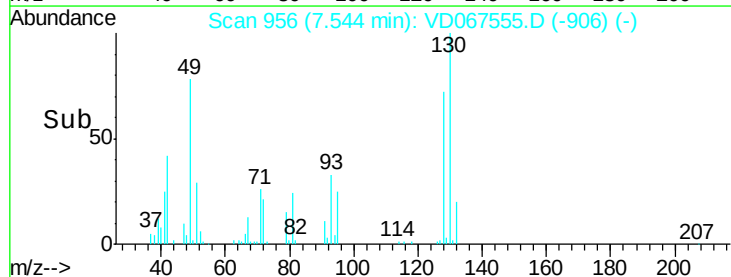
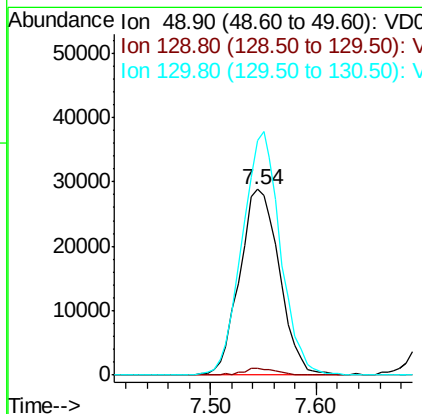
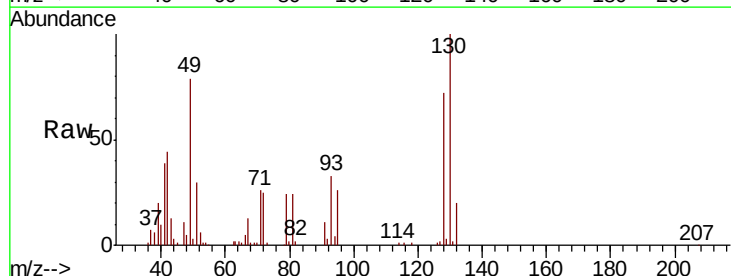
MMDadoda
11/10/2020 1:11:46 PM

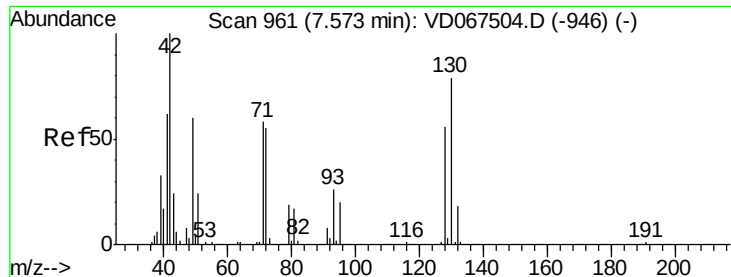


#28

Bromochloromethane
Concen: 47.310 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	75436		
129	3.0	0.0	6.4	
130	125.9	94.6	142.0	





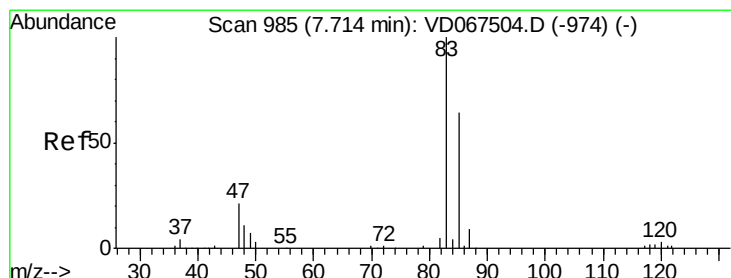
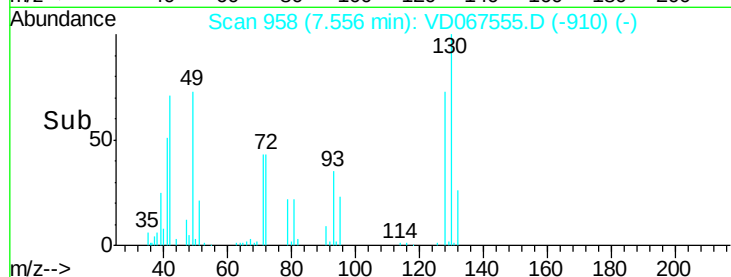
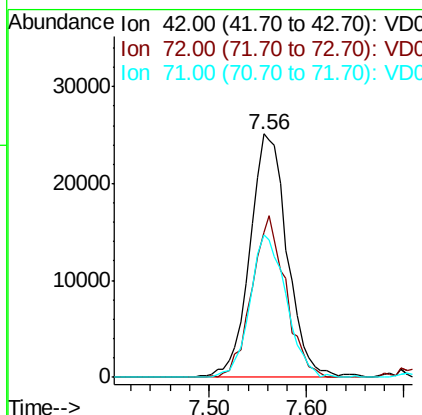
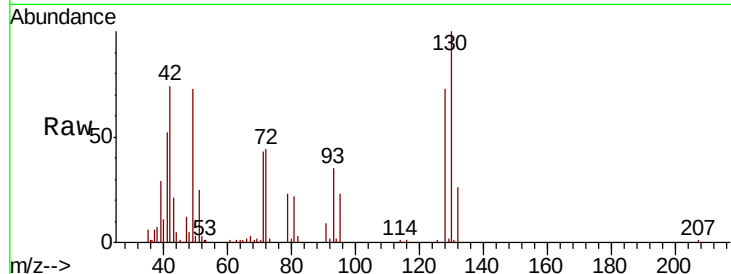
#29
Tetrahydrofuran
Concen: 255.507 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.02 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.3	46.3	69.5
71	56.8	44.0	66.0

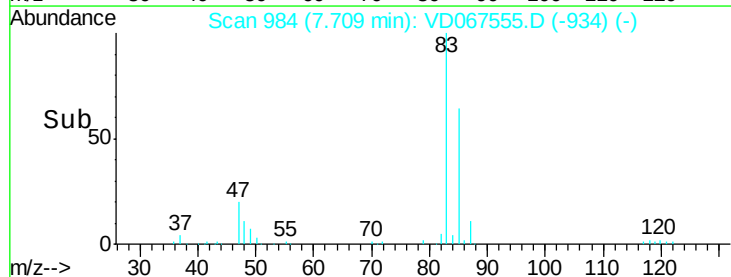
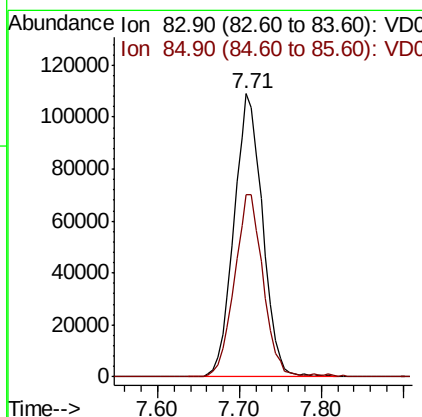
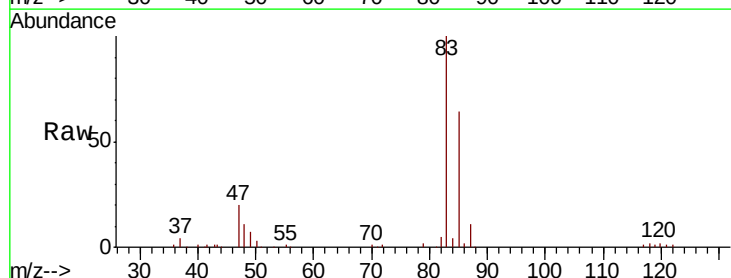
Manual Integrations
APPROVED

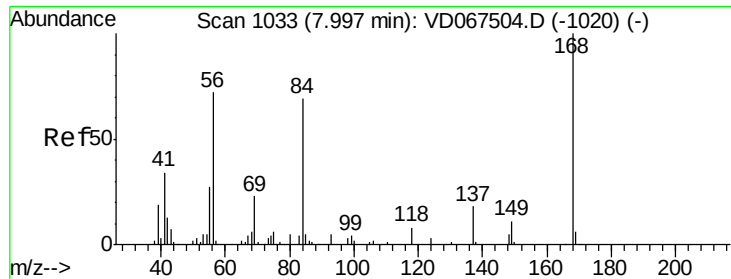
MMDadoda
11/10/2020 1:11:46 PM



#30
Chloroform
Concen: 49.507 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.5	77.3





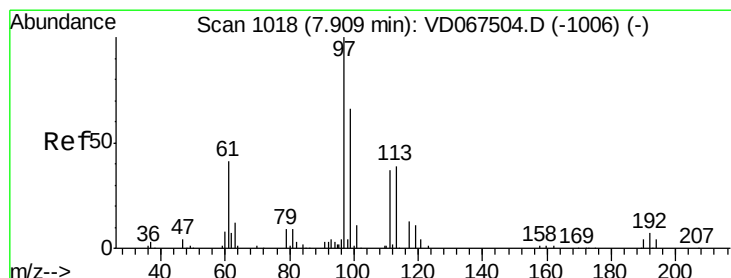
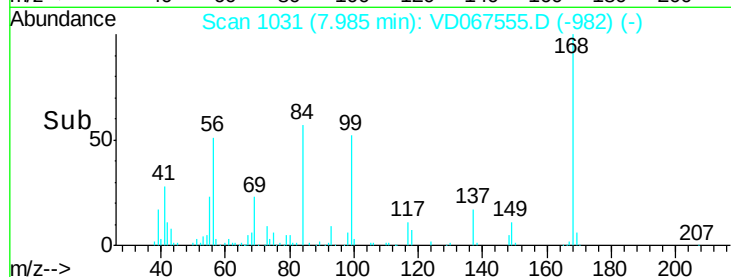
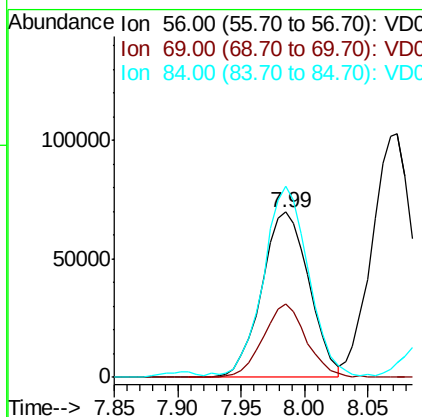
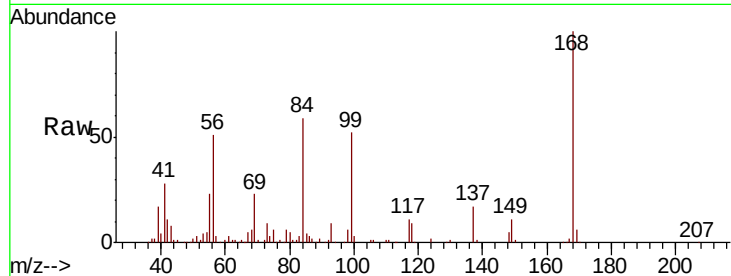
#31
Cyclohexane
Concen: 45.379 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.6	25.9	38.9#
84	112.6	76.2	114.4

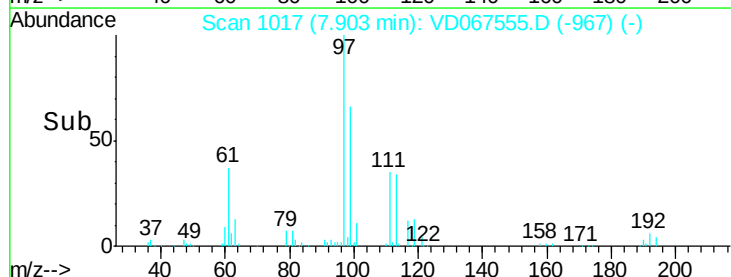
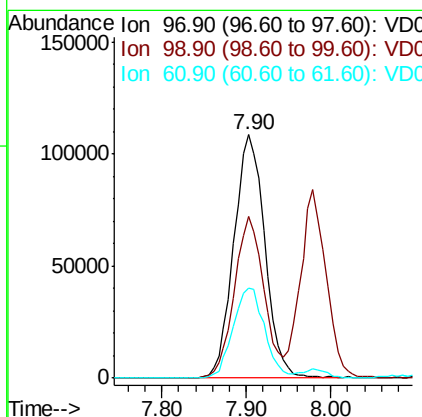
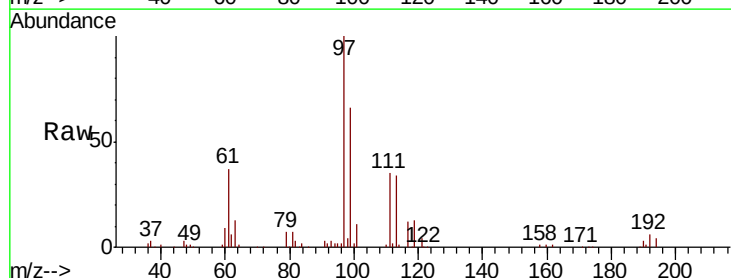
Manual Integrations
APPROVED

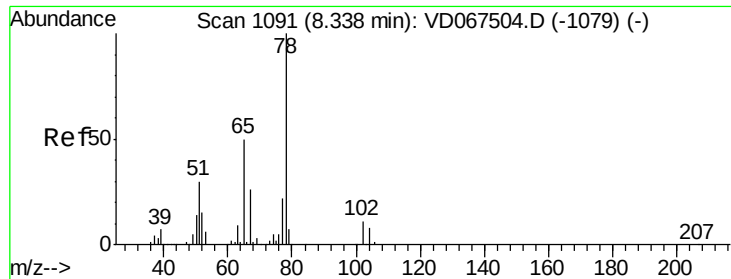
MMDadoda
11/10/2020 1:11:46 PM



#32
1,1,1-Trichloroethane
Concen: 49.988 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.6
61	37.7	30.5	45.7





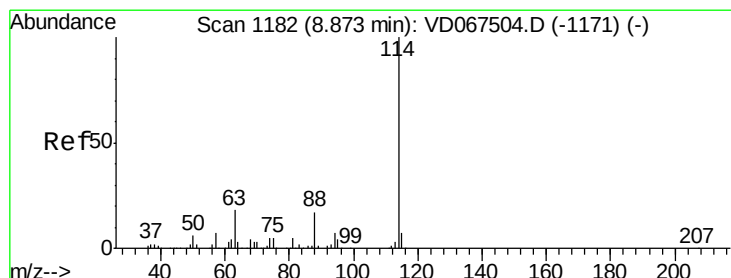
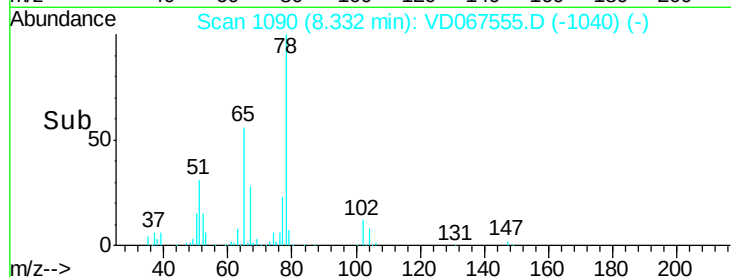
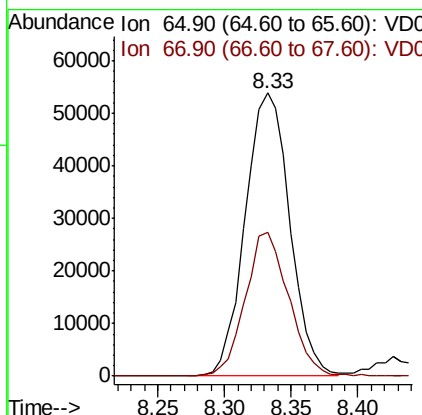
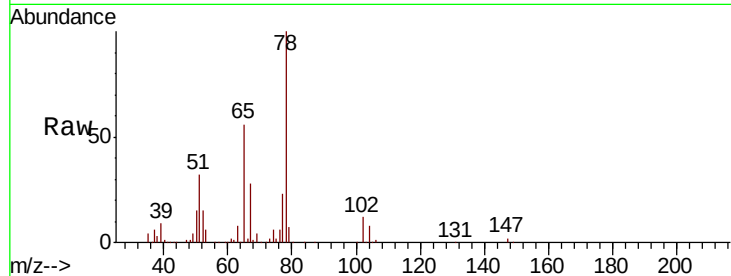
#33
 1,2-Dichloroethane-d4
 Concen: 45.244 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.4	0.0	99.4	

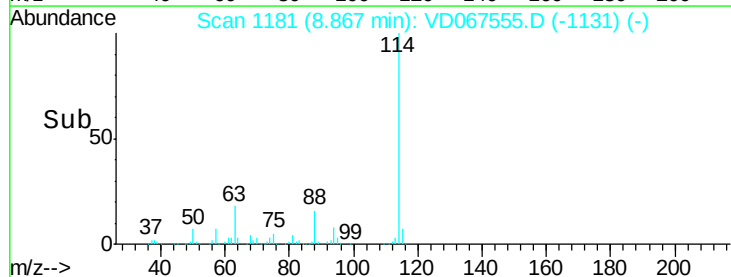
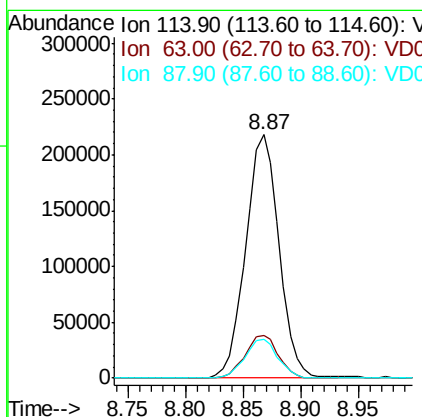
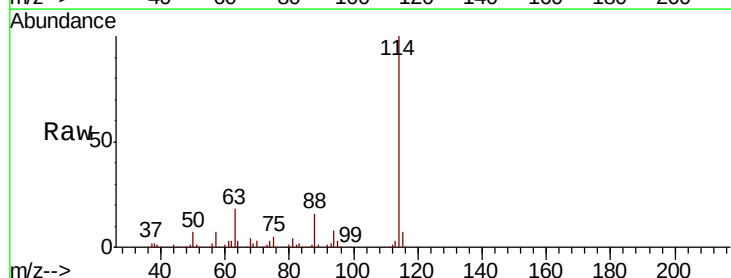
Manual Integrations
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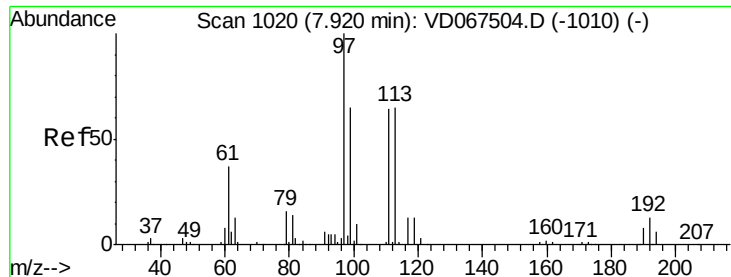
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	35.0	
88	15.9	0.0	33.0	





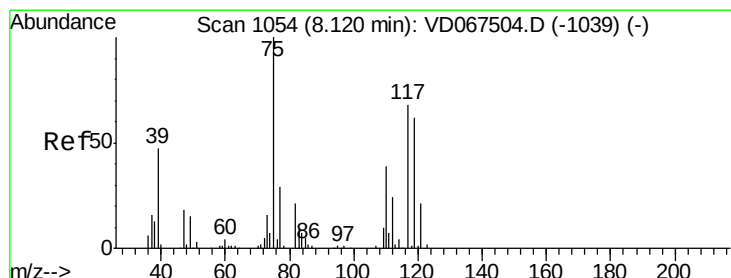
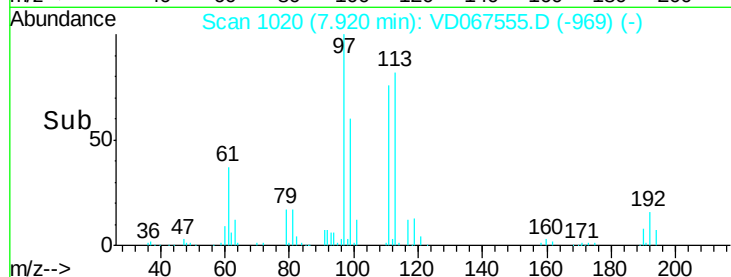
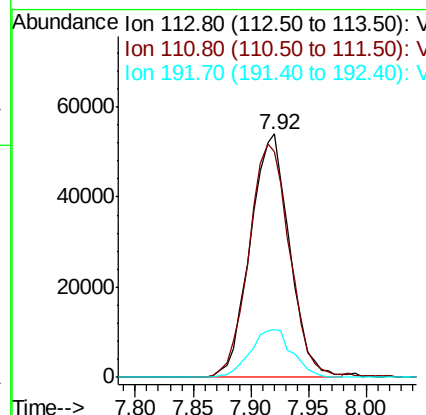
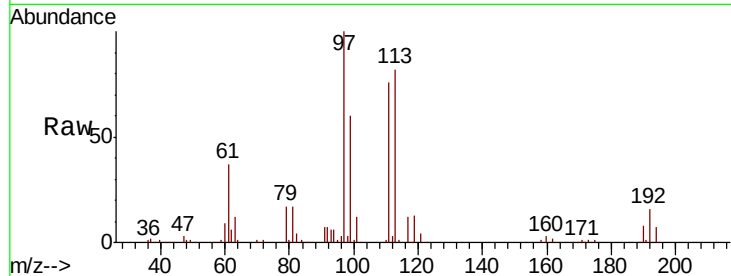
#35
 Dibromofluoromethane
 Concen: 48.466 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	128190		
111	99.8	80.0	120.0	
192	20.8	16.3	24.5	

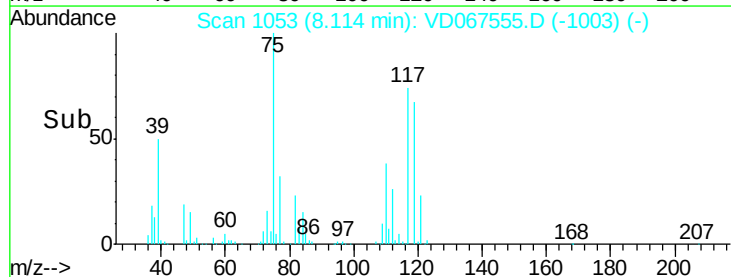
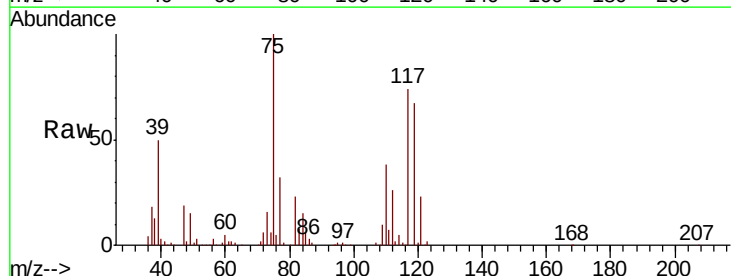
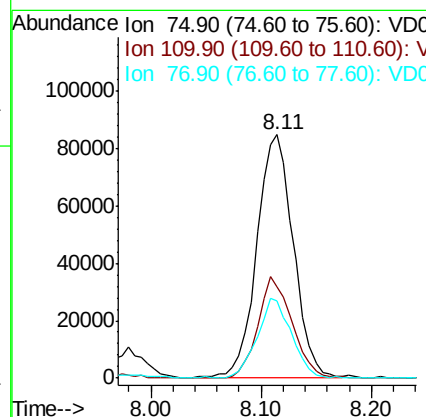
Manual Integrations
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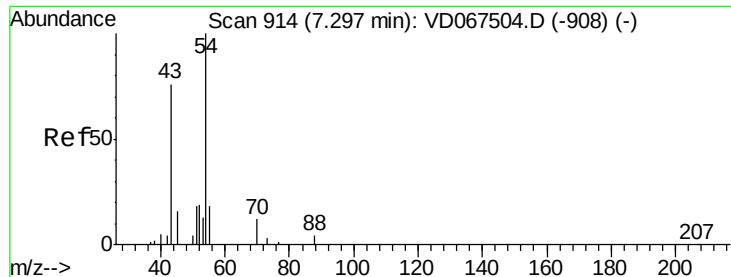
MMDadoda
 11/10/2020 1:11:46 PM



#36
 1,1-Dichloropropene
 Concen: 52.516 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	197340		
110	39.0	19.9	59.7	
77	31.1	24.8	37.2	





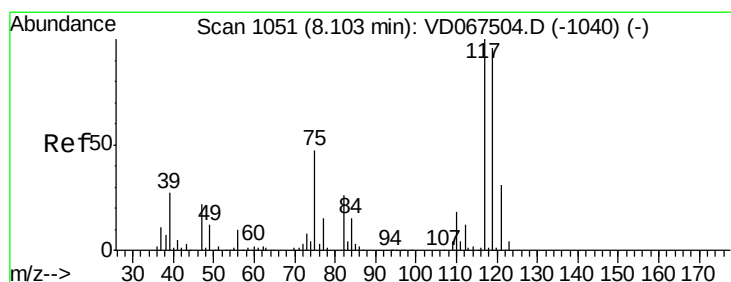
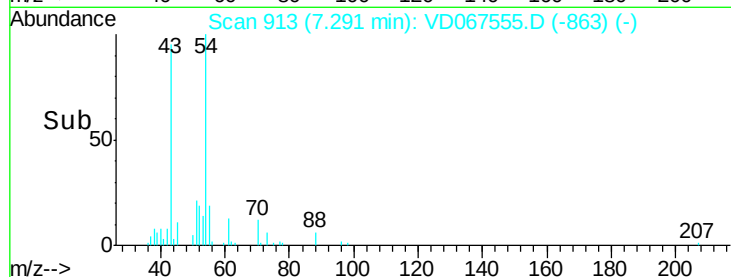
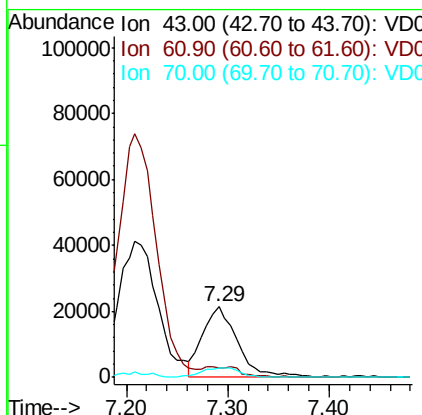
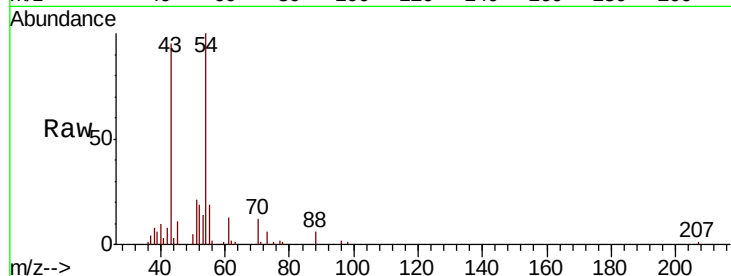
#37
Ethyl Acetate
Concen: 52.876 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	12.8	19.2
70	14.4	11.7	17.5

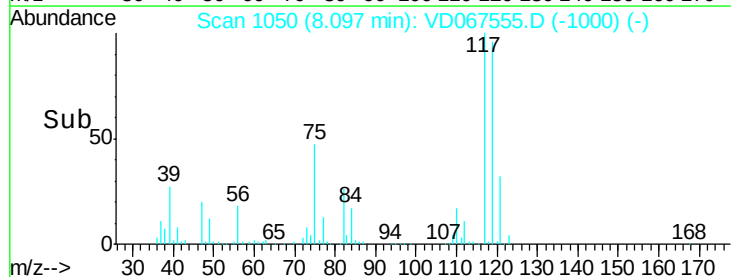
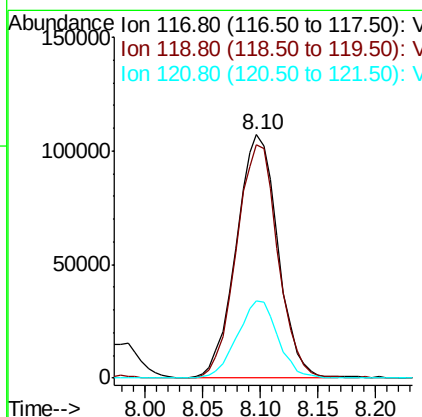
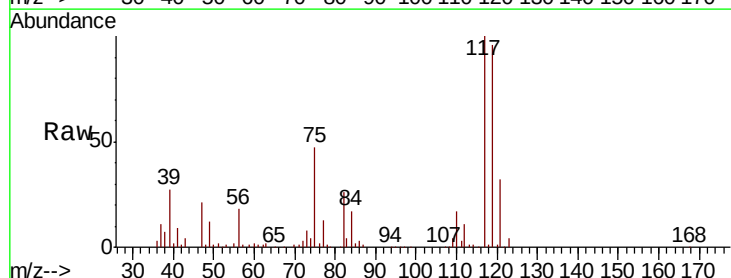
Manual Integrations
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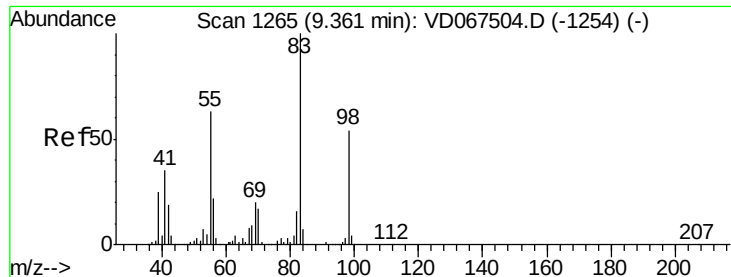
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#38
Carbon Tetrachloride
Concen: 54.736 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.9	115.3
121	31.7	24.5	36.7





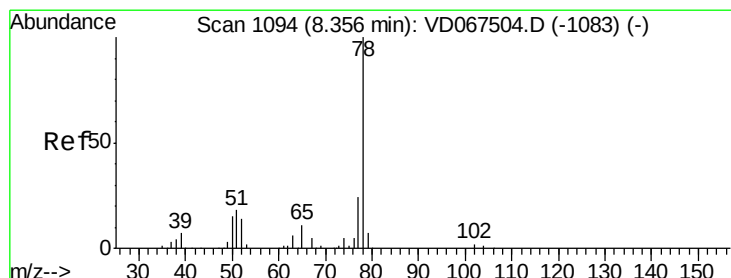
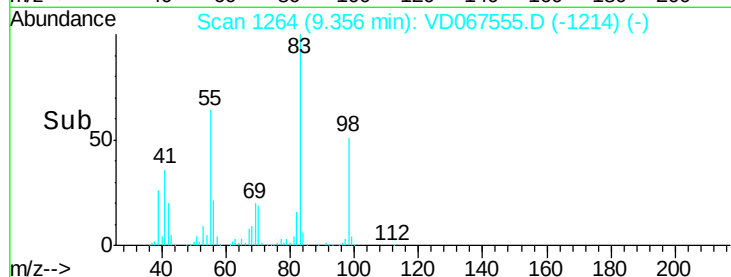
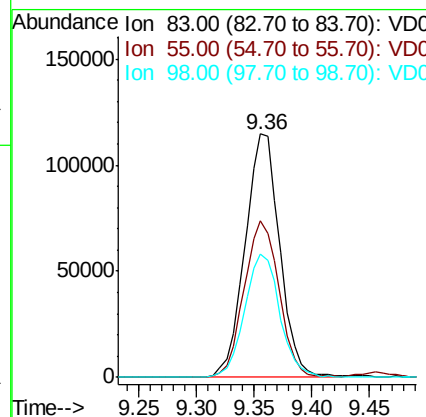
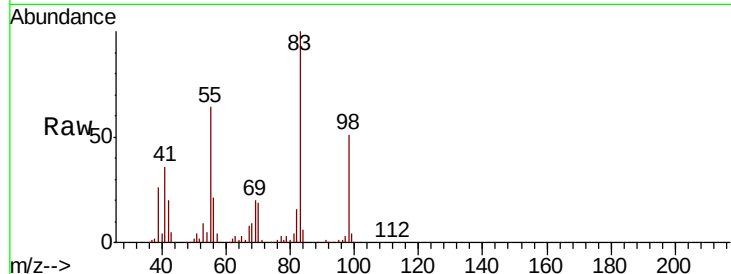
#39
Methylvlcyclohexane
Concen: 54.171 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.3	50.5	75.7
98	50.7	43.4	65.0

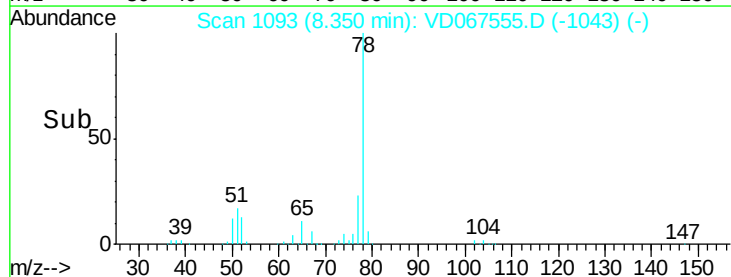
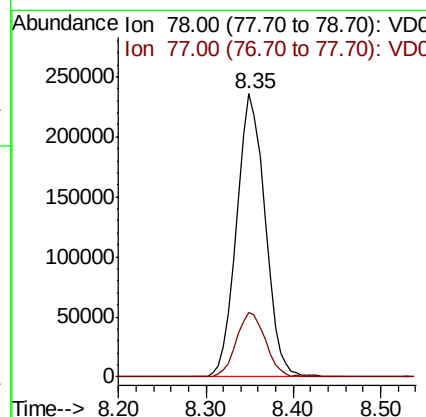
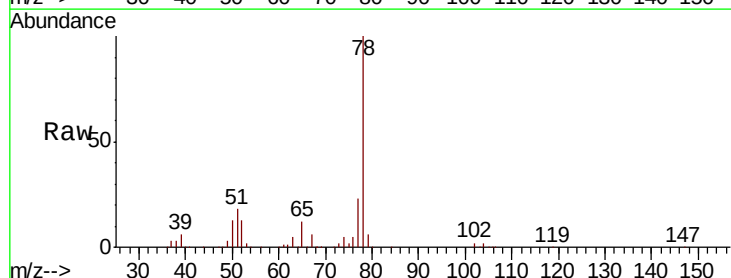
Manual Integrations
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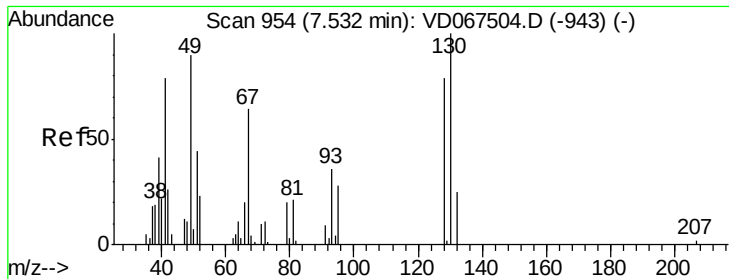
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#40
Benzene
Concen: 51.339 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7





#41

Methacrylonitrile

Concen: 44.783 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 26115

Ion Ratio Lower Upper

41 100

39 159.5 51.3 76.9#

67 0.0 78.9 118.3#

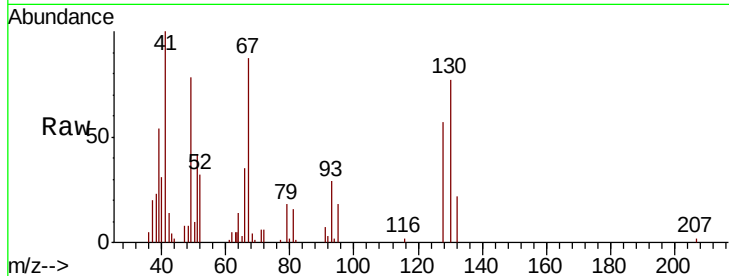
52 0.0 31.4 47.2#

Manual Integrations

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11/10/2020 1:11:46 PM

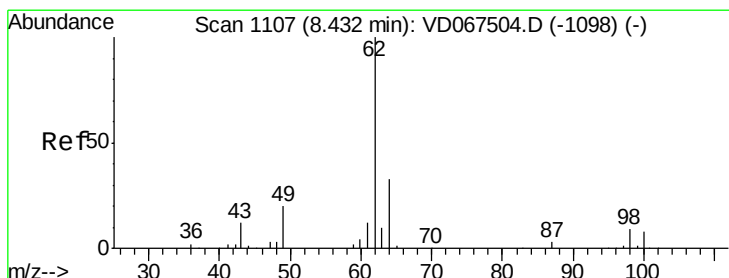
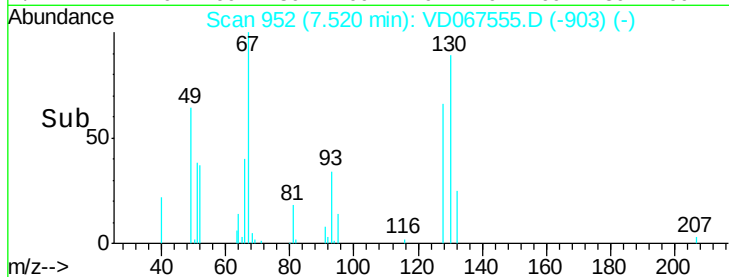
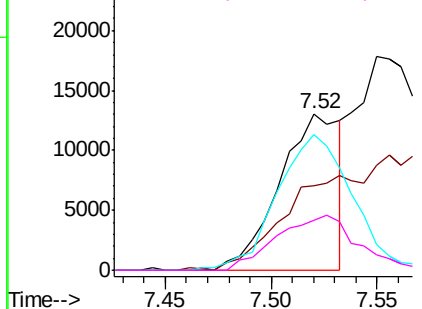


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.566 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067555.D

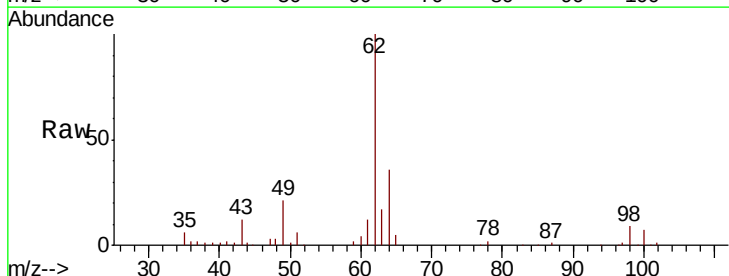
Acq: 09 Nov 2020 10:05

Tgt Ion: 62 Resp: 165317

Ion Ratio Lower Upper

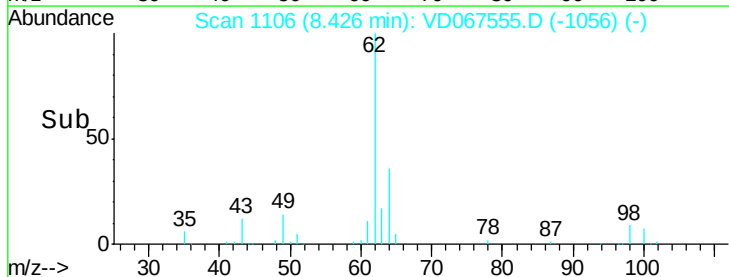
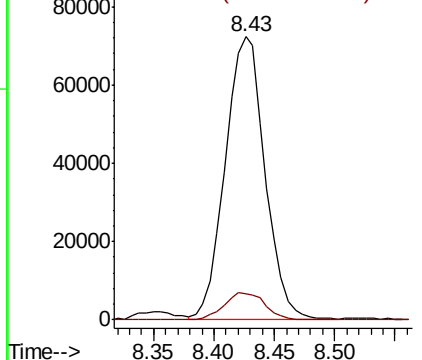
62 100

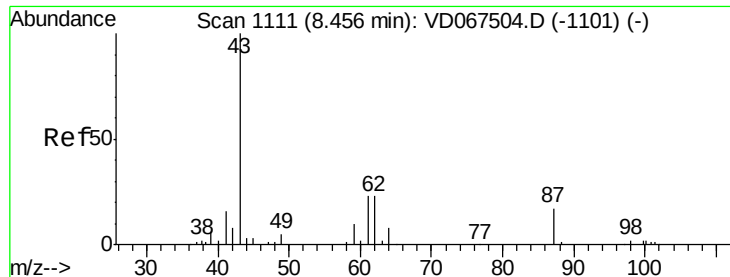
98 10.0 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.691 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

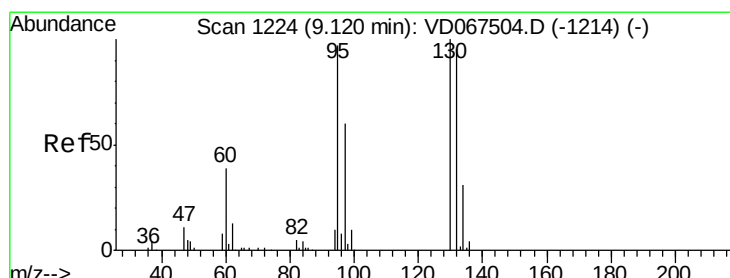
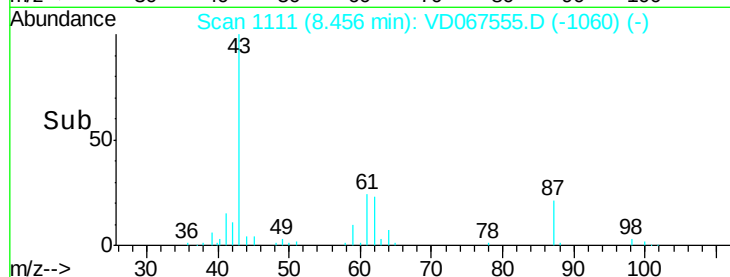
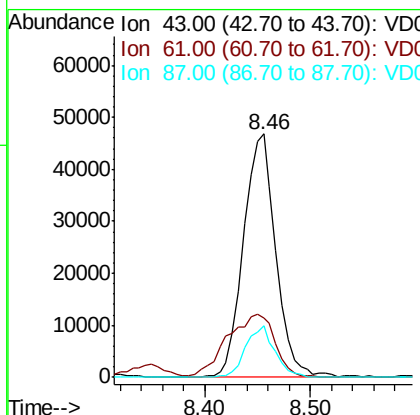
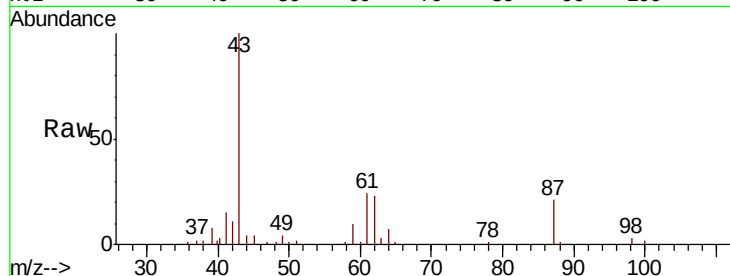
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	99733
Ion	Ratio	Lower	Upper
43	100		
61	38.5	30.5	45.7
87	18.9	14.7	22.1

Manual Integrations
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#44

Trichloroethene

Concen: 50.965 ug/l

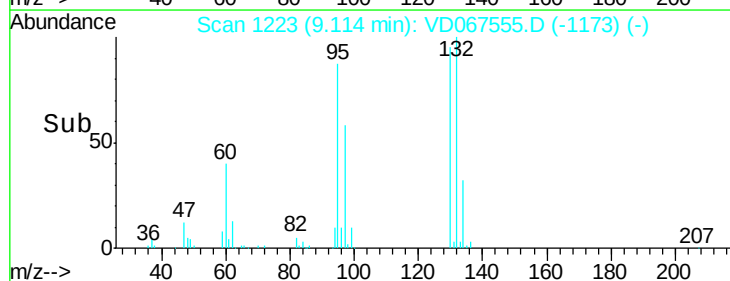
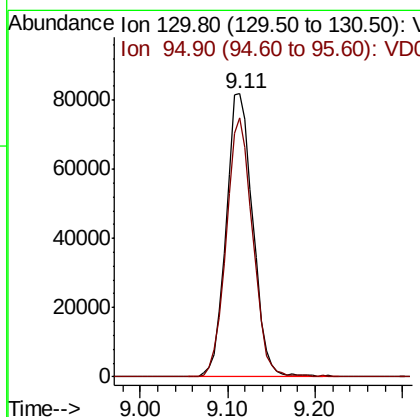
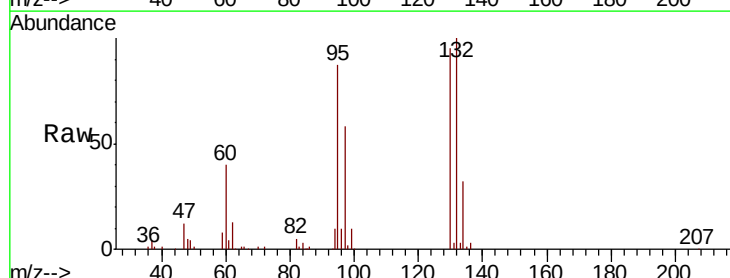
RT: 9.11 min Scan# 1223

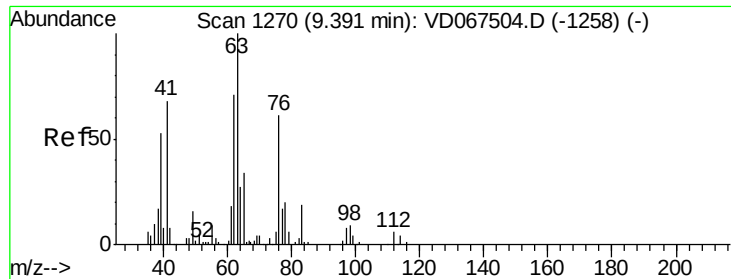
Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Tgt Ion:	130	Resp:	170574
Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	194.4





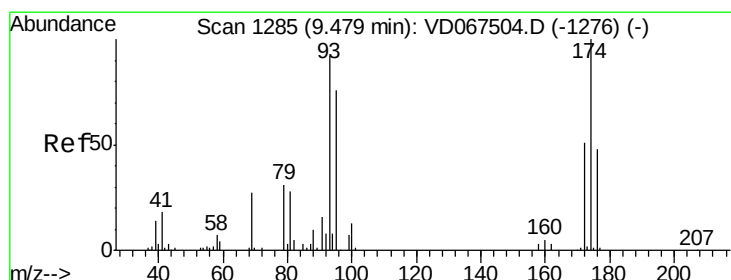
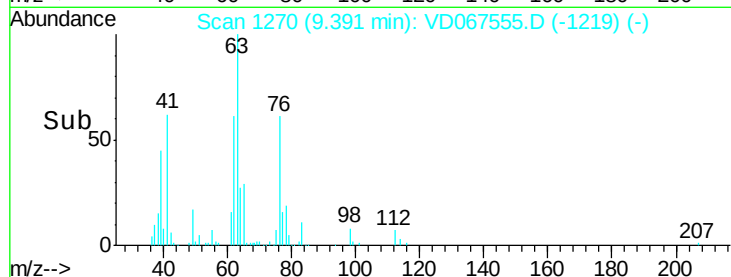
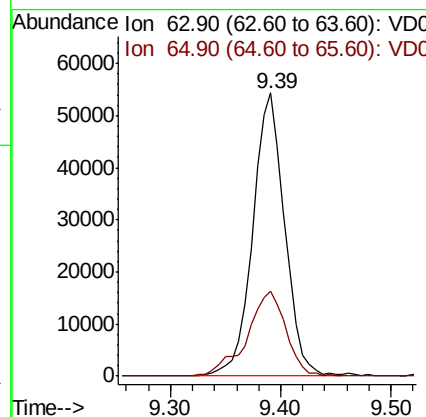
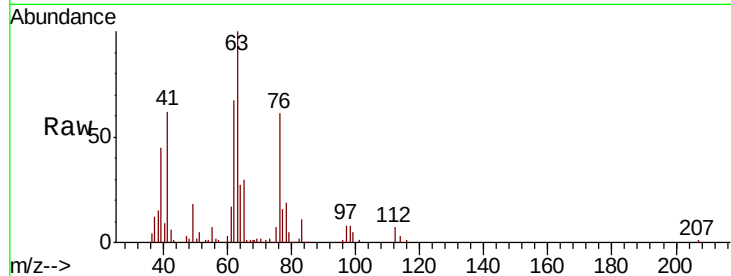
#45
 1,2-Dichloropropane
 Concen: 50.102 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 110260
 Ion Ratio Lower Upper
 63 100
 65 30.0 26.9 40.3

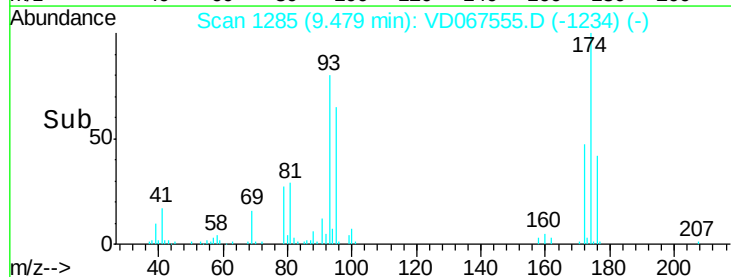
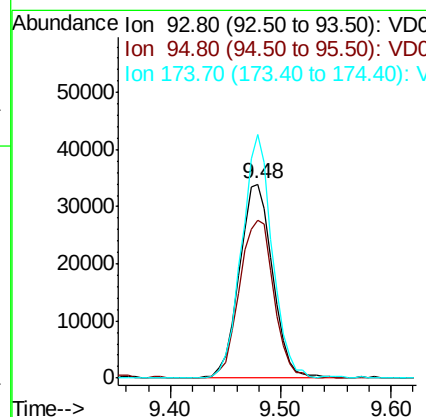
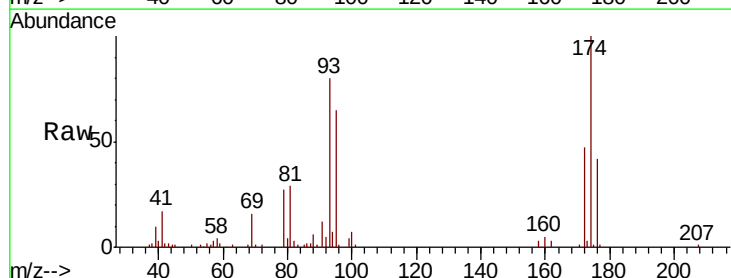
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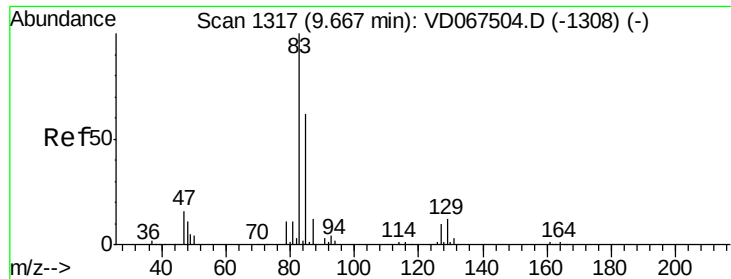
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#46
 Dibromomethane
 Concen: 51.443 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion: 93 Resp: 71984
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.4 99.6
 174 115.0 88.2 132.4





#47

Bromodichloromethane

Concen: 51.965 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

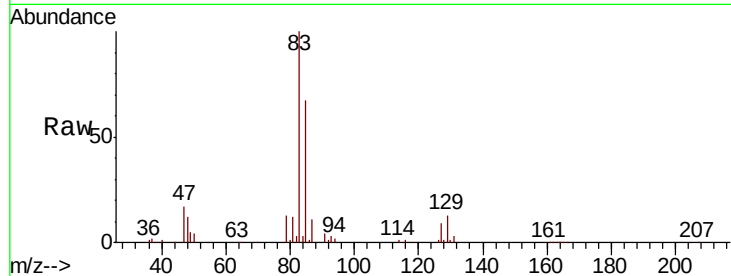
ClientSampleId :

VSTDCCC050

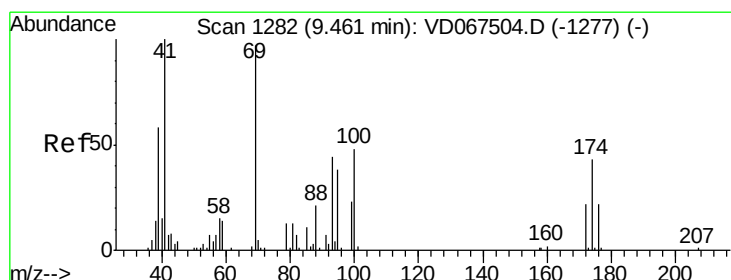
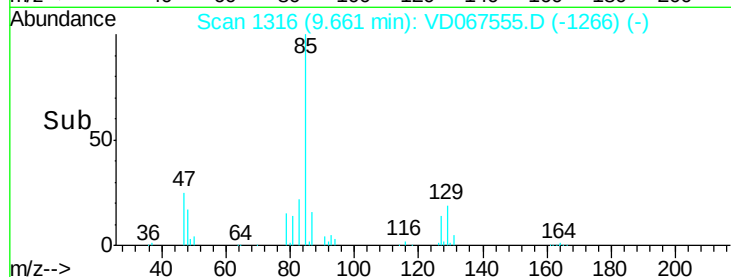
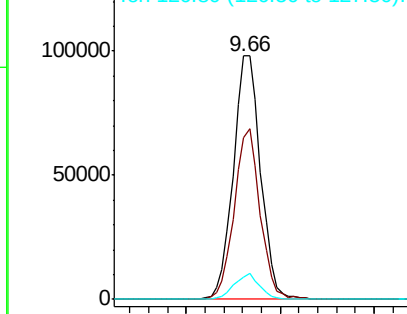
Tot Ion:	83	Resp:	197637
Ion	Ratio	Lower	Upper
83	100		
85	66.6	49.4	74.2
127	9.3	7.7	11.5

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



#48

Methyl methacrylate

Concen: 55.860 ug/l

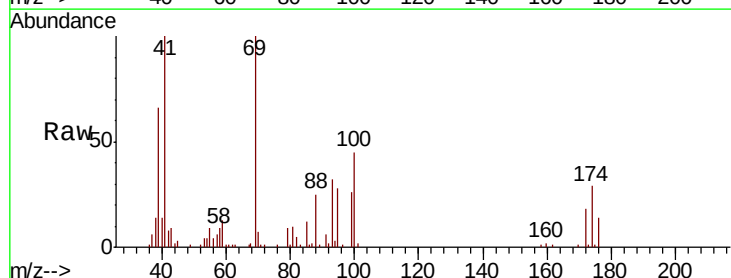
RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

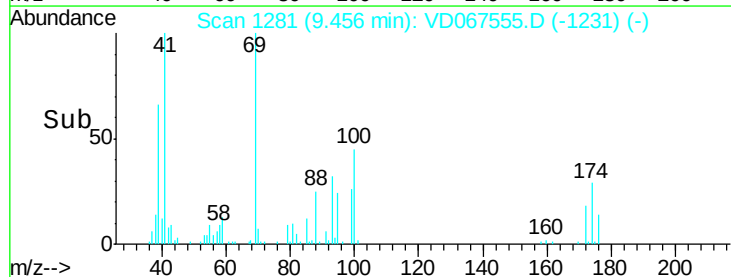
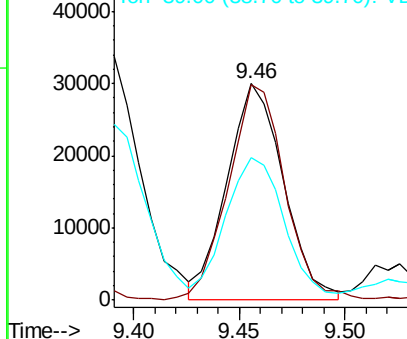
Lab File: VD067555.D

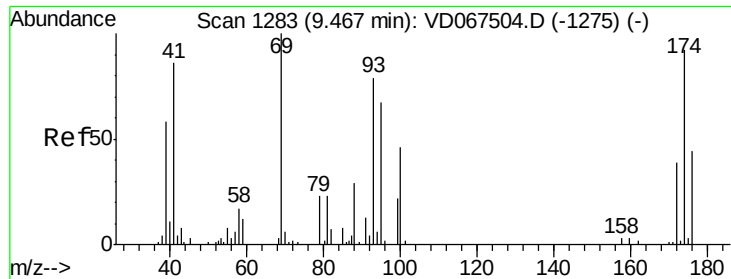
Acq: 09 Nov 2020 10:05

Tgt Ion:	41	Resp:	55647
Ion	Ratio	Lower	Upper
41	100		
69	99.7	80.6	121.0
39	62.2	50.2	75.4



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





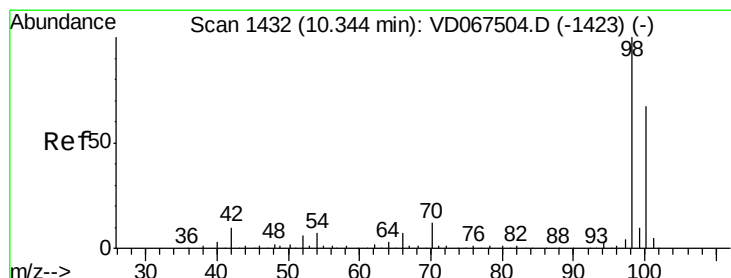
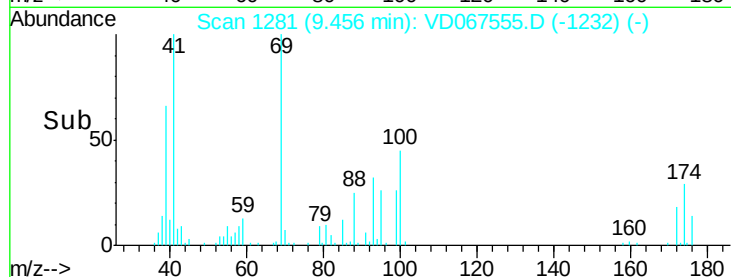
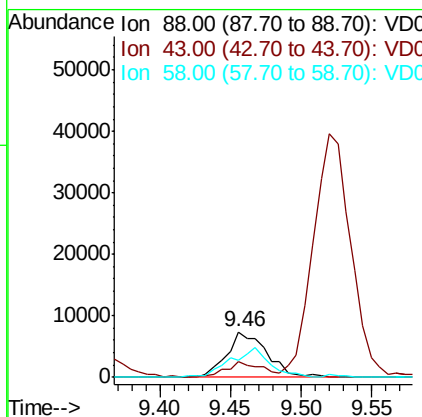
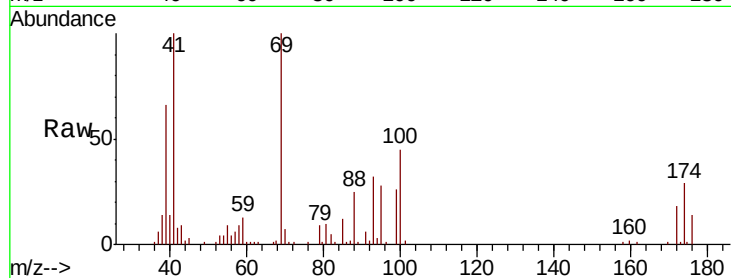
#49
 1,4-Dioxane
 Concen: 1029.980 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	23.6	35.4
58	64.1	44.7	67.1

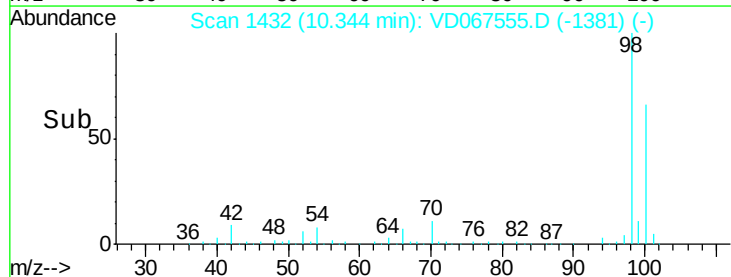
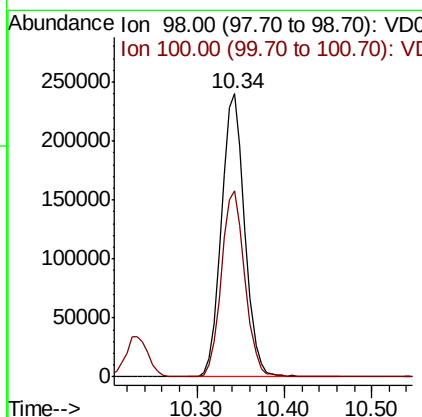
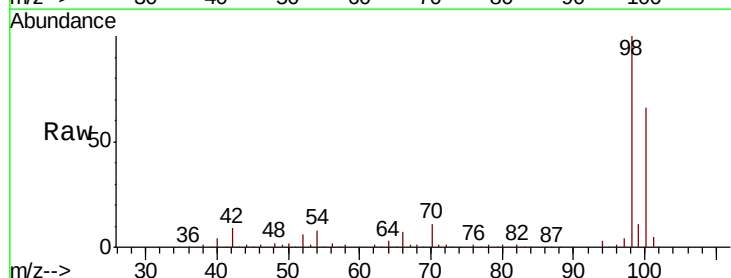
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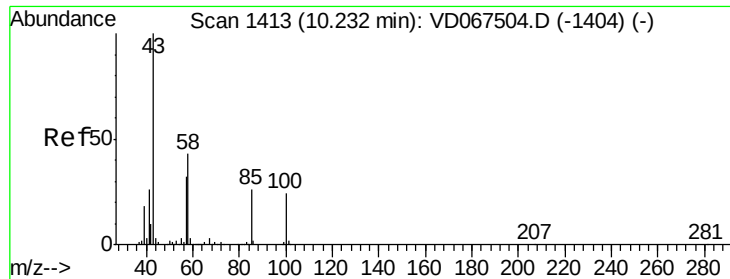
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#50
 Toluene-d8
 Concen: 47.404 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.6





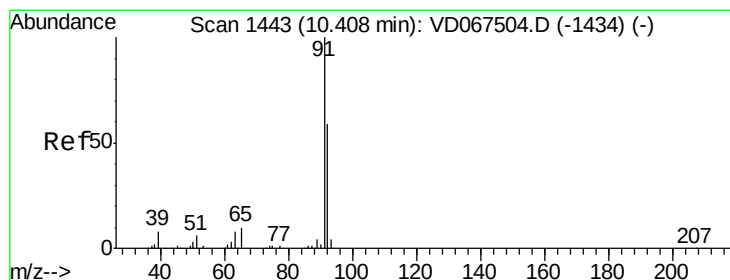
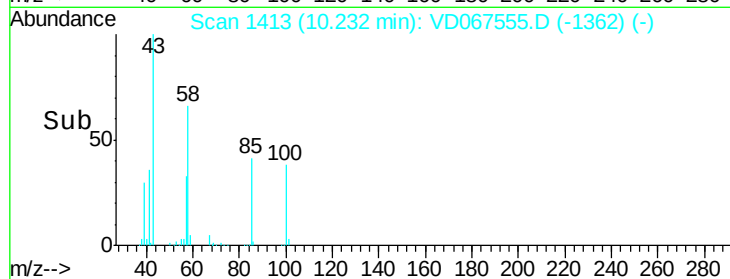
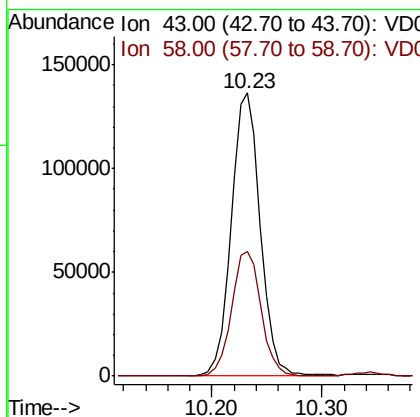
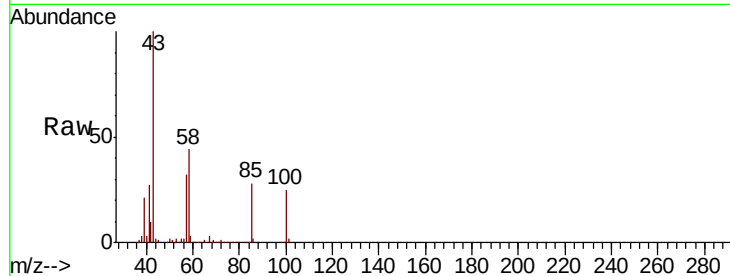
#51
4-Methyl-2-Pentanone
Concen: 272.269 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.8	35.6	53.4

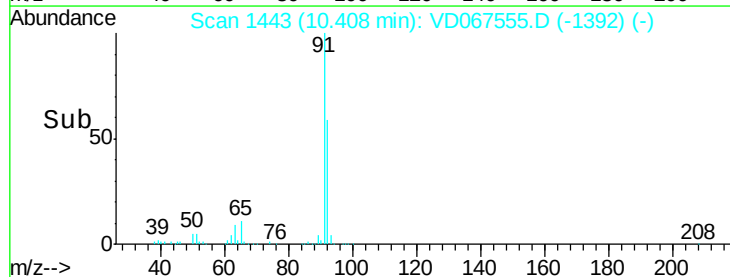
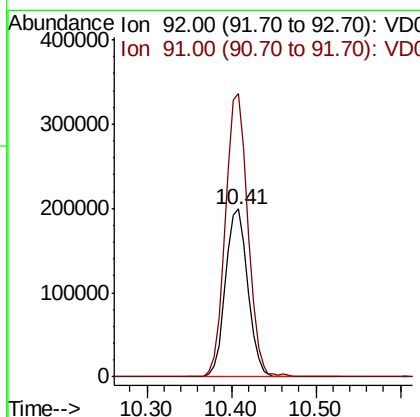
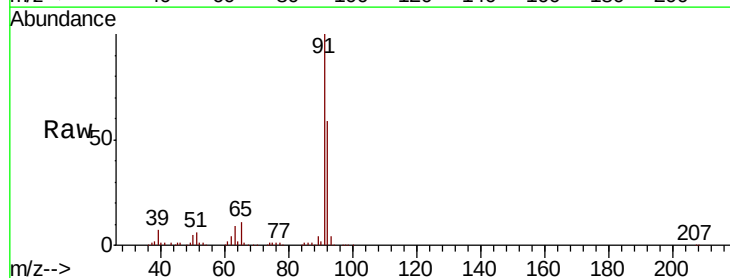
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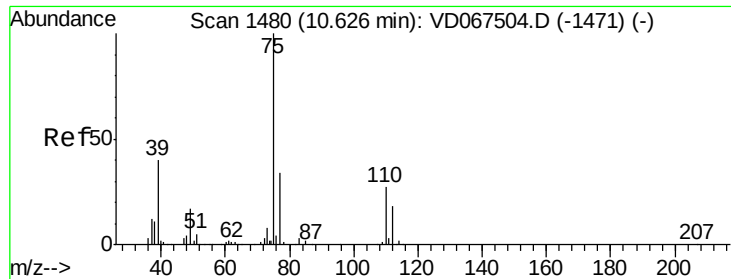
MMDadoda
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#52
Toluene
Concen: 53.109 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.9	137.0	205.6





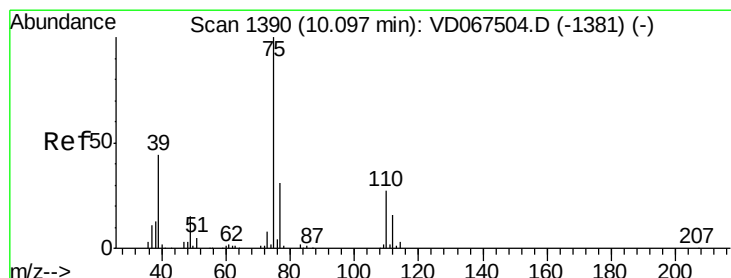
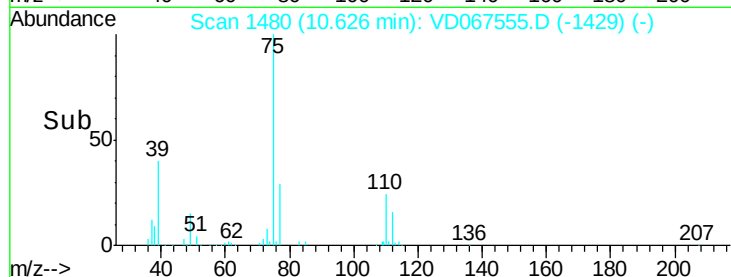
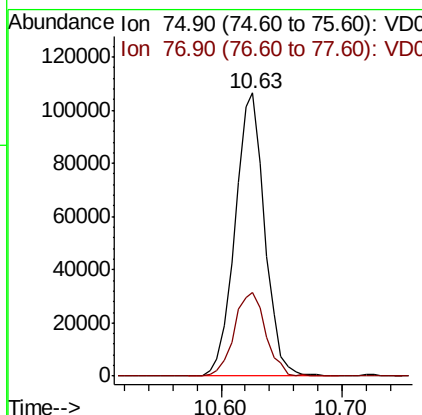
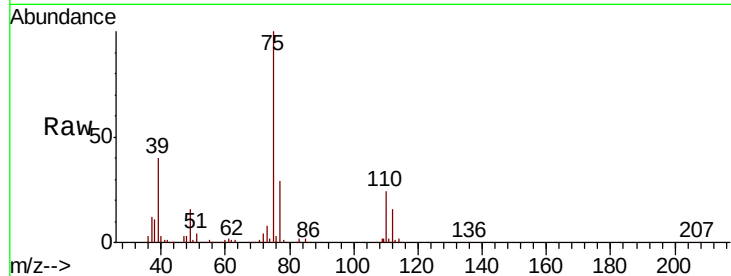
#53
t-1,3-Dichloropropene
Concen: 55.768 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.5	27.0	40.6

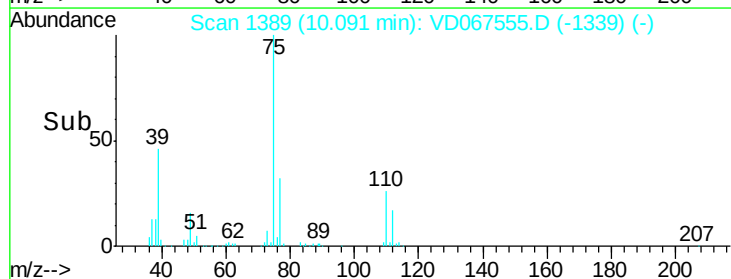
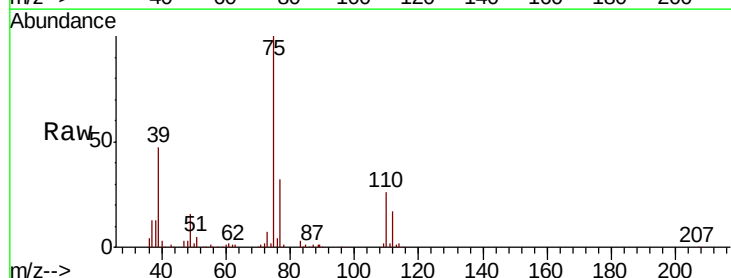
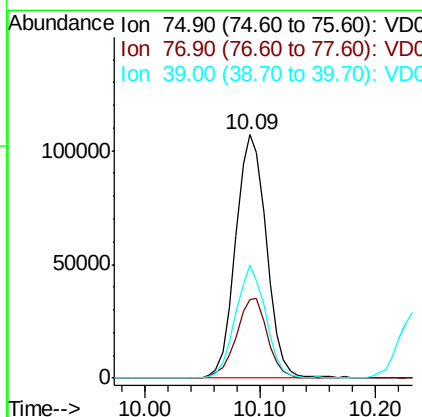
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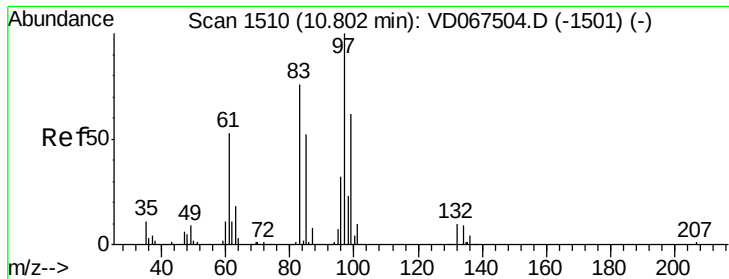
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#54
cis-1,3-Dichloropropene
Concen: 51.128 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.4	36.6
39	46.5	35.6	53.4





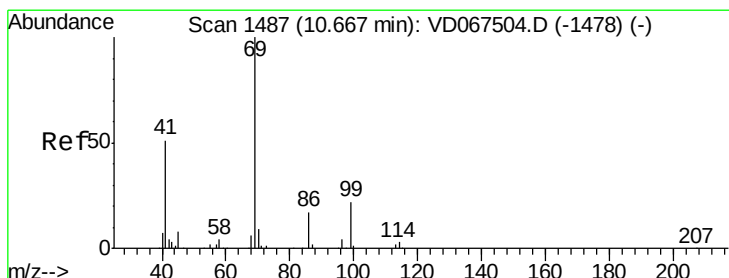
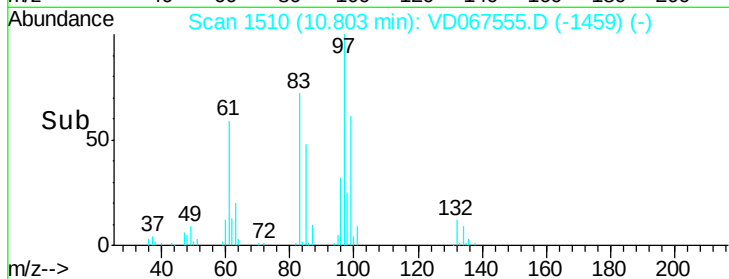
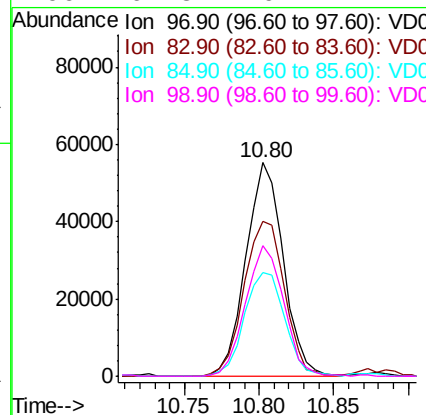
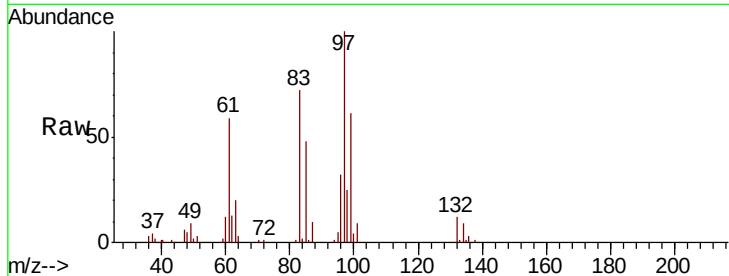
#55
 1,1,2-Trichloroethane
 Concen: 51.758 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	95826
Ion	Ratio	Lower	Upper
97	100		
83	72.4	61.0	91.6
85	48.5	41.5	62.3
99	61.3	49.4	74.2

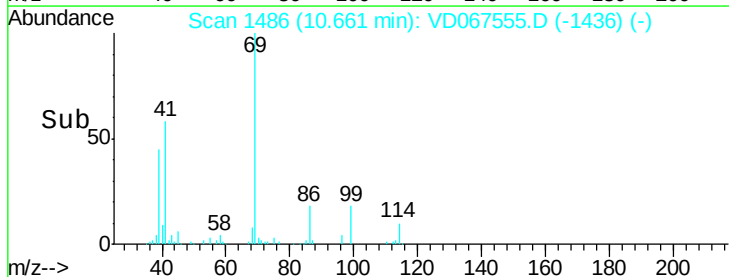
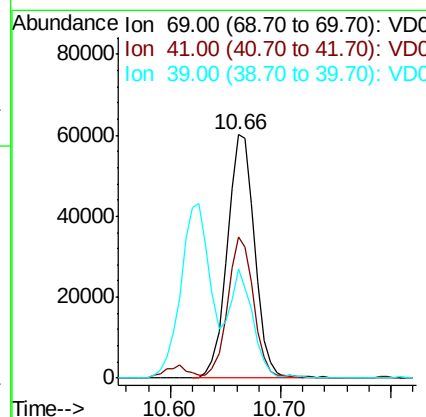
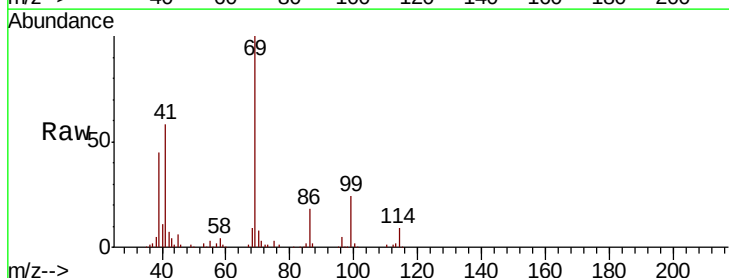
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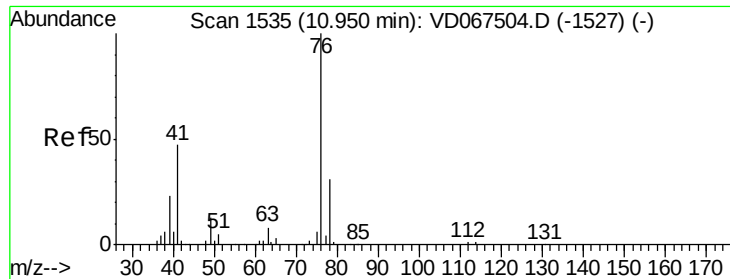
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#56
 Ethyl methacrylate
 Concen: 54.656 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion:	69	Resp:	104496
Ion	Ratio	Lower	Upper
69	100		
41	55.5	45.4	68.0
39	37.8	27.4	41.0





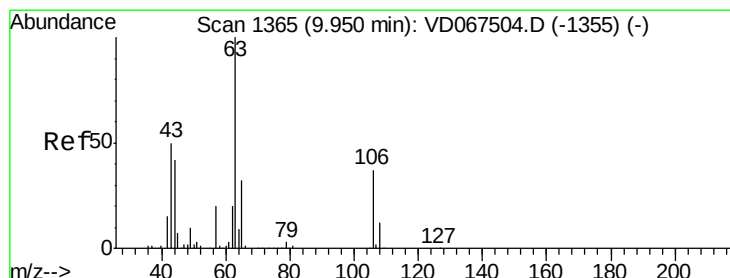
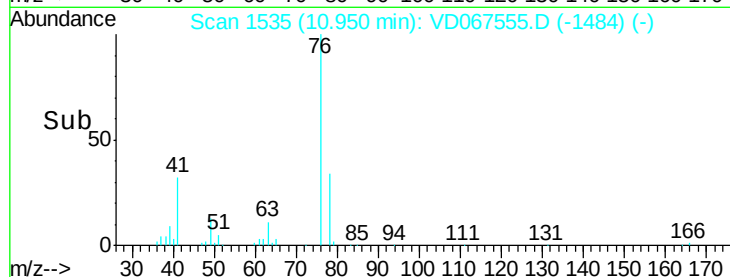
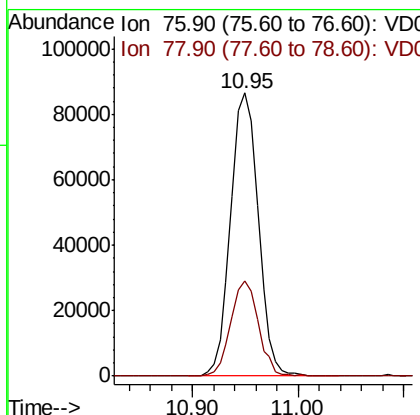
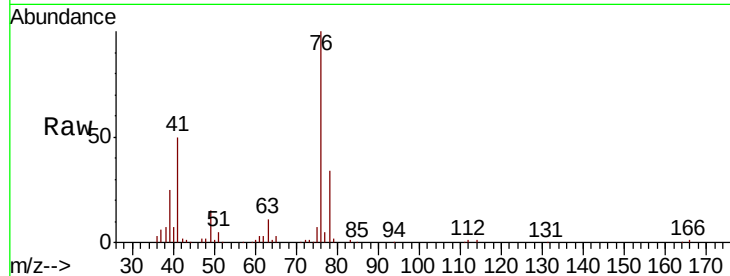
#57
 1,3-Dichloropropane
 Concen: 52.715 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 157054
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.1 39.1

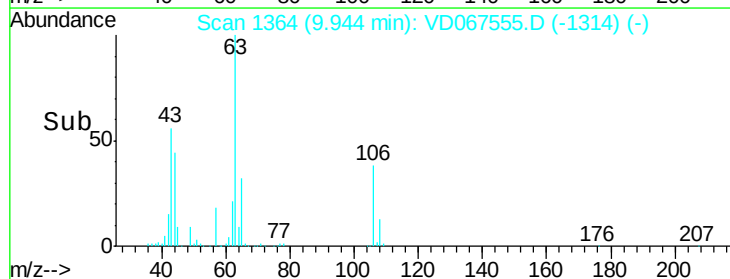
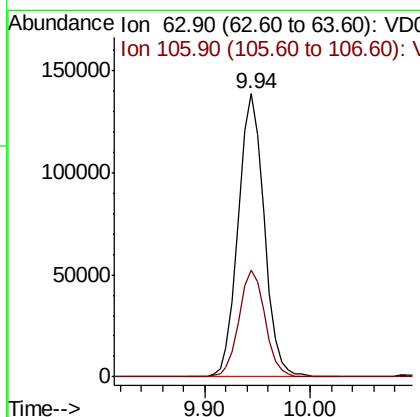
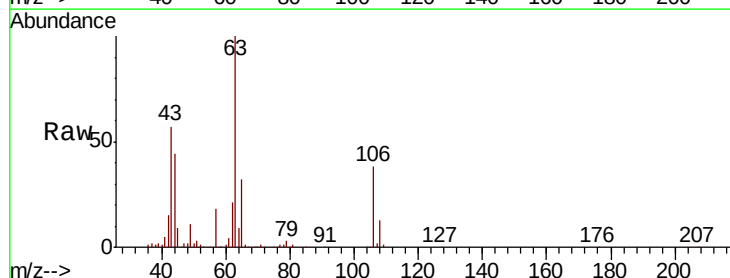
Manual Integrations
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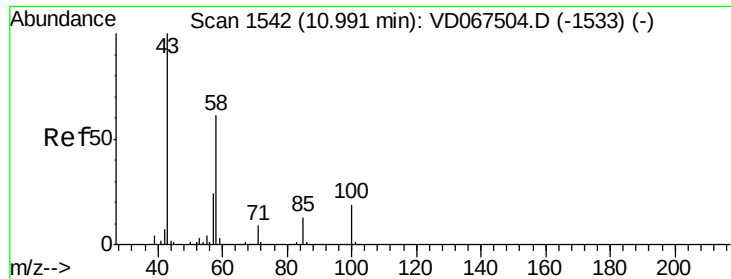
MMDadoda
 11/10/2020 1:11:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.064 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion: 63 Resp: 235434
 Ion Ratio Lower Upper
 63 100
 106 38.0 29.2 43.8





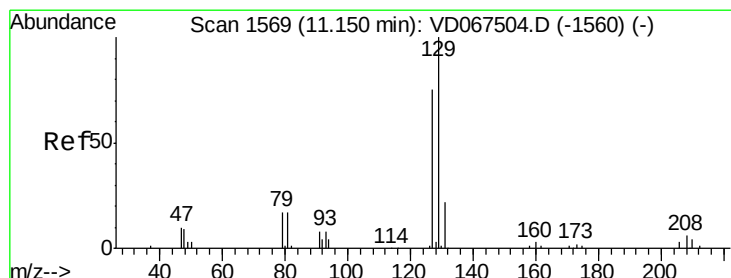
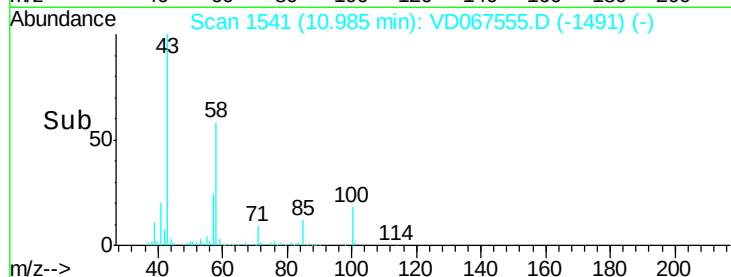
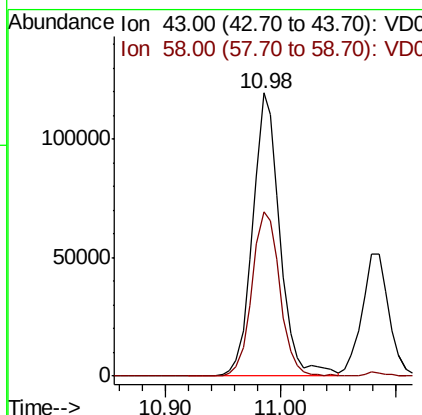
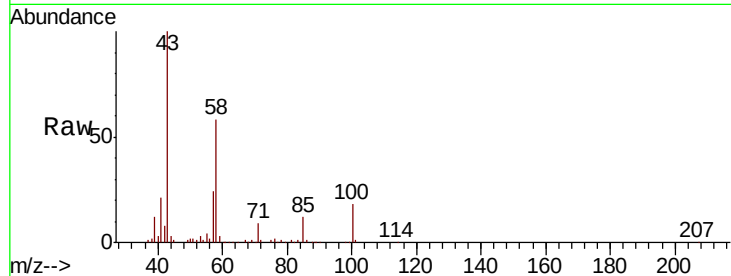
#59
2-Hexanone
Concen: 305.072 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.4	30.3	90.9

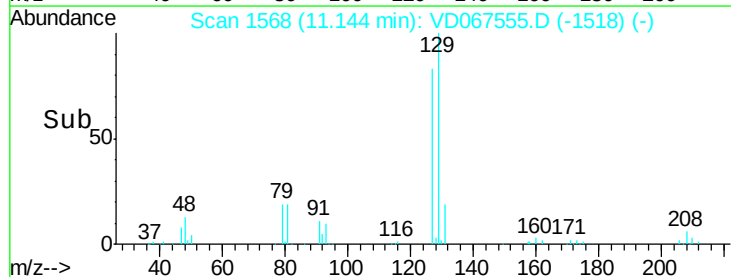
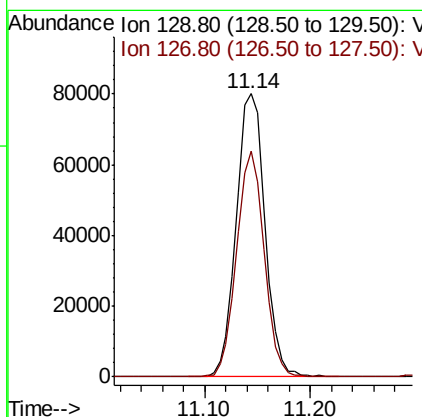
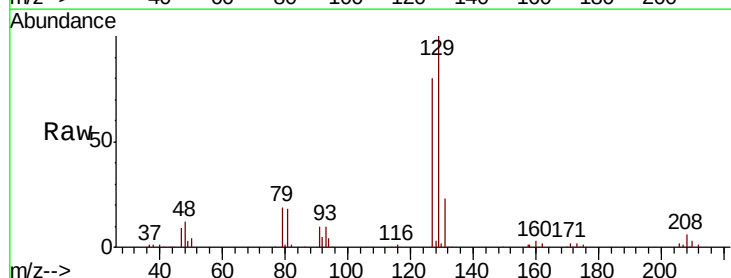
Manual Integrations
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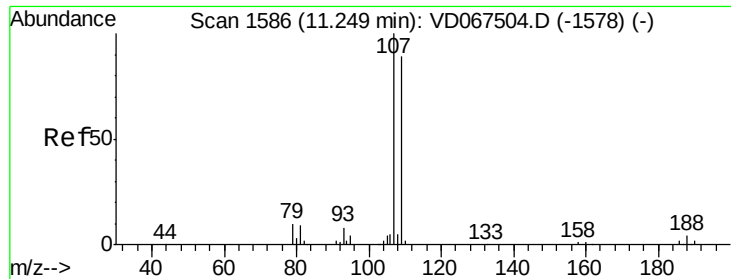
MMDadoda
11/10/2020 1:11:46 PM



#60
Dibromochloromethane
Concen: 54.976 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.0	114.1





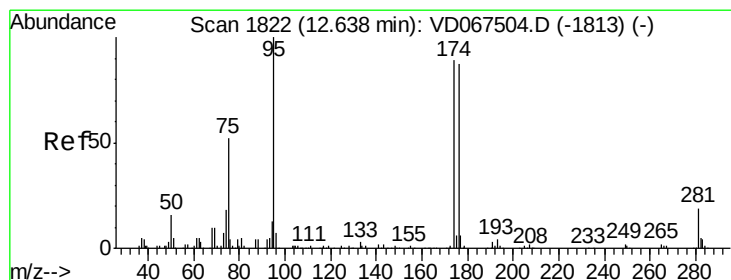
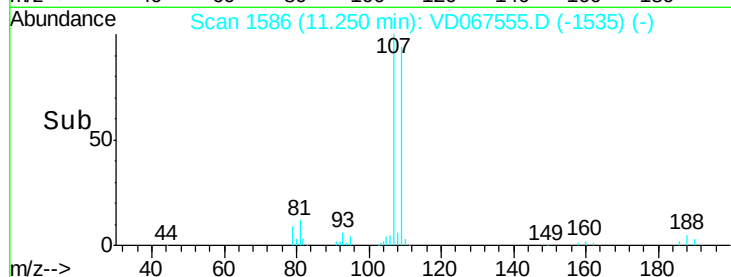
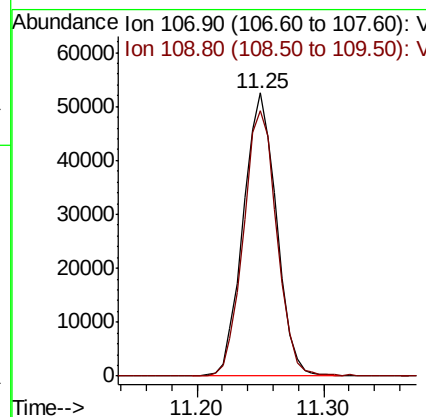
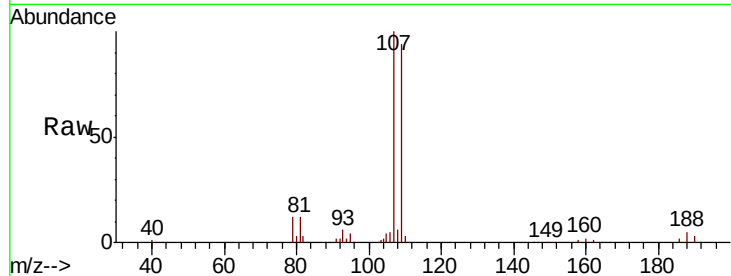
#61
 1,2-Dibromoethane
 Concen: 51.268 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 95264
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.6 111.8

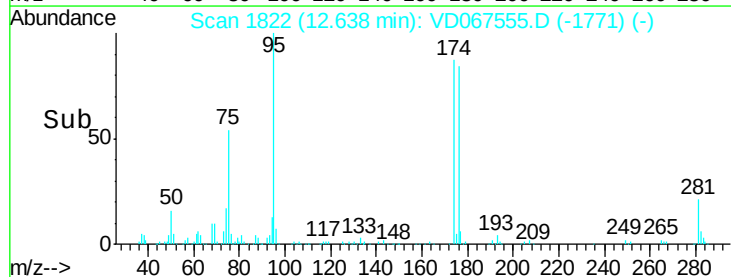
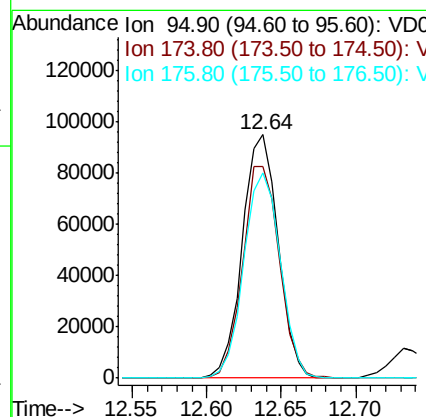
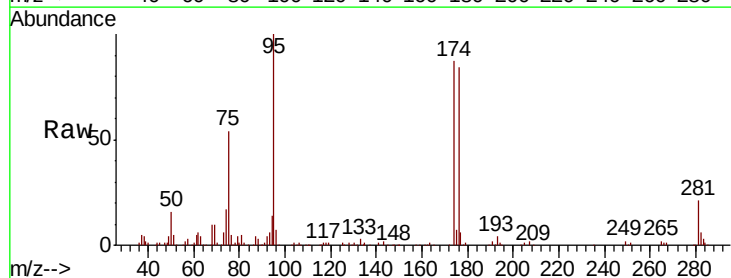
Manual Integrations
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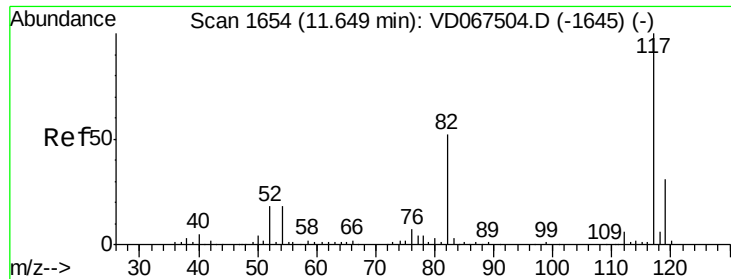
MMDadoda
 11/10/2020 1:11:46 PM



#62
 4-Bromofluorobenzene
 Concen: 49.174 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion: 95 Resp: 157801
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 177.8
 176 86.2 0.0 172.0





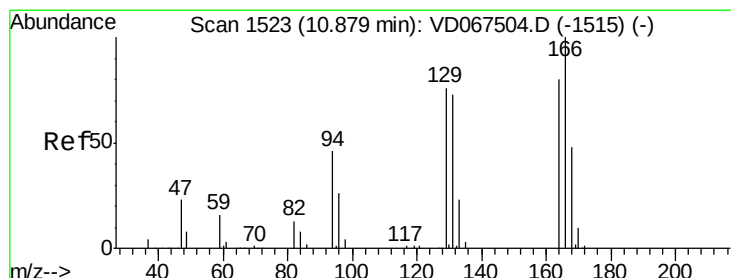
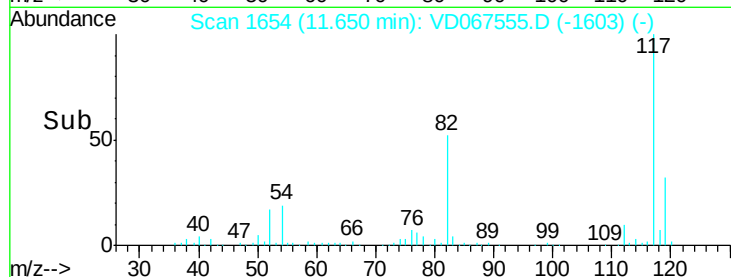
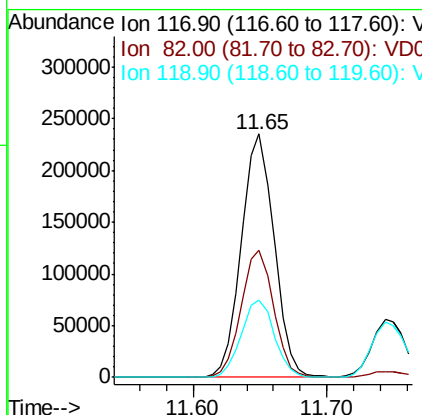
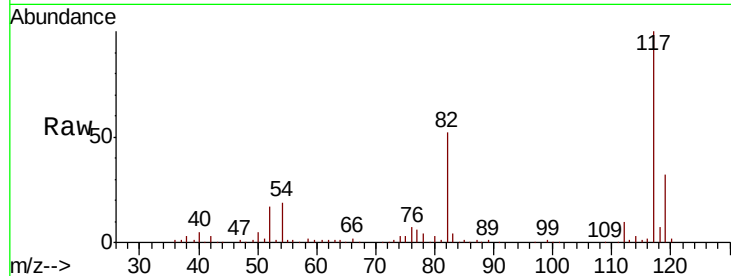
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.6	62.4
119	31.8	25.1	37.7

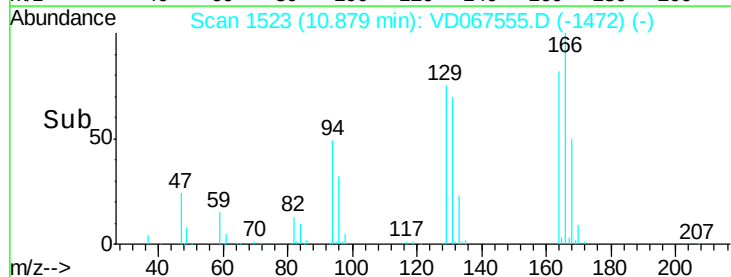
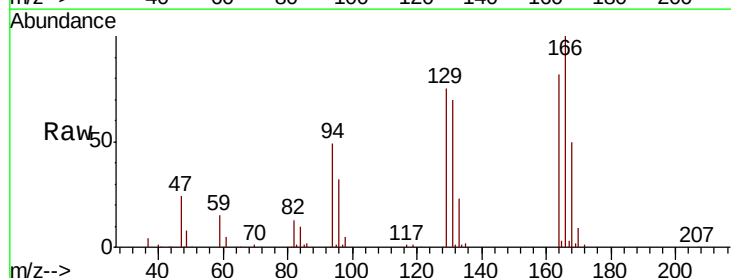
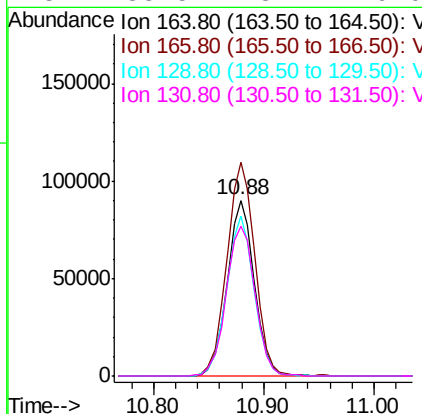
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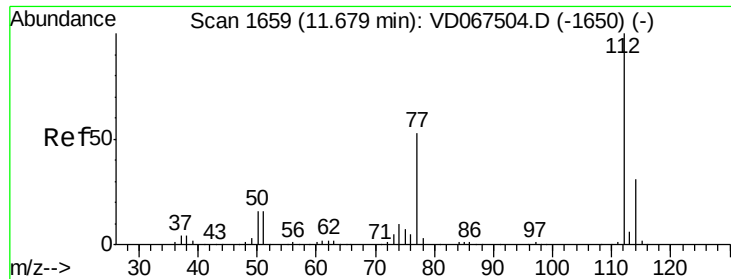
MMDadoda
11/10/2020 1:11:46 PM



#64
Tetrachloroethene
Concen: 52.070 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.6	99.9	149.9
129	91.4	75.5	113.3
131	85.5	73.4	110.0





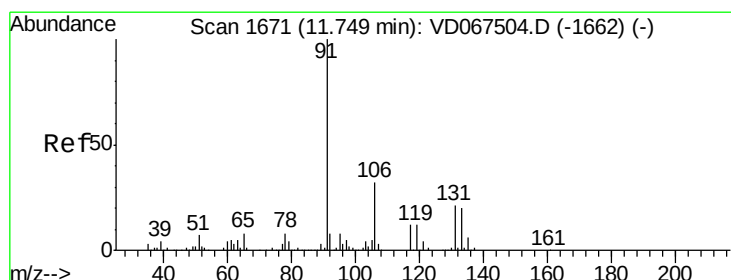
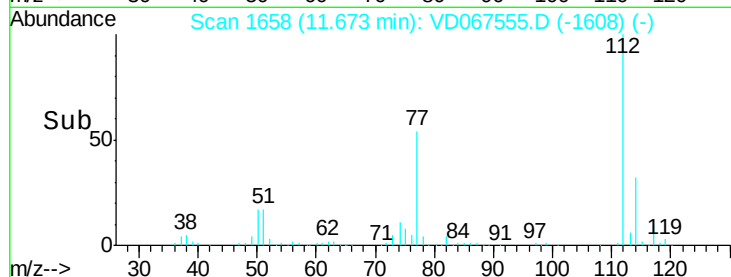
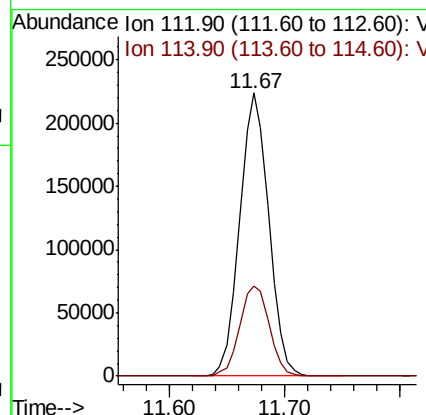
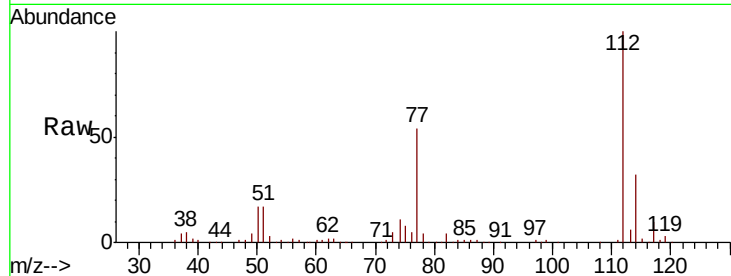
#65
Chlorobenzene
Concen: 50.525 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 389595
Ion Ratio Lower Upper
112 100
114 32.0 24.9 37.3

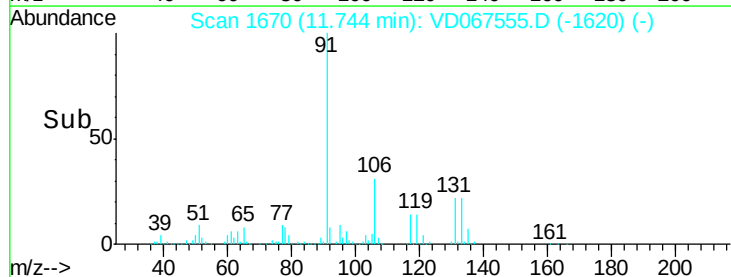
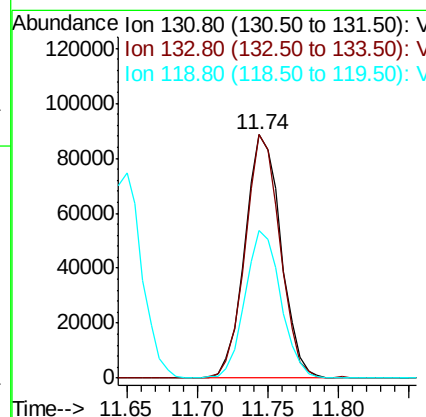
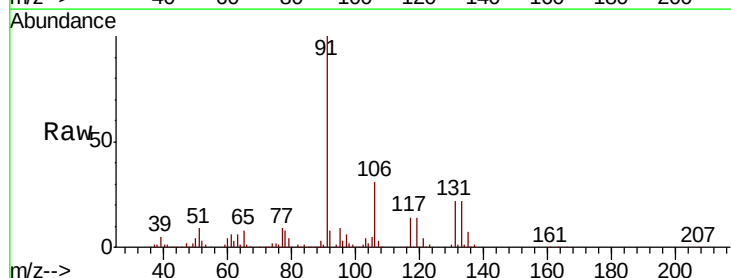
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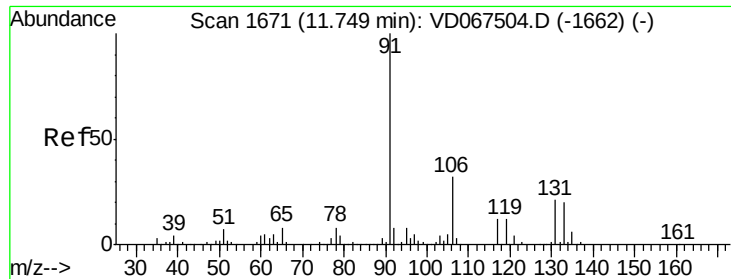
MMDadoda
11/10/2020 1:11:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.138 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion:131 Resp: 158456
Ion Ratio Lower Upper
131 100
133 96.9 48.0 144.0
119 60.1 30.1 90.5





#67

Ethyl Benzene

Concen: 53.601 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 707262

Ion Ratio Lower Upper

91 100

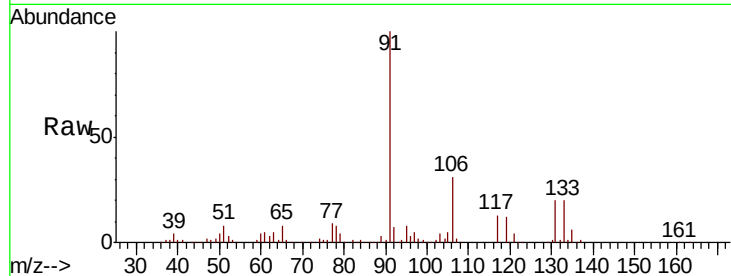
106 31.4 25.7 38.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V

600000

400000

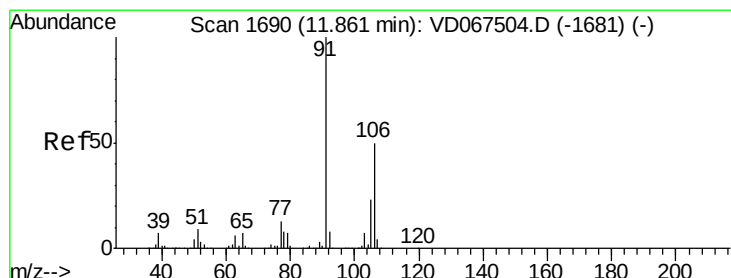
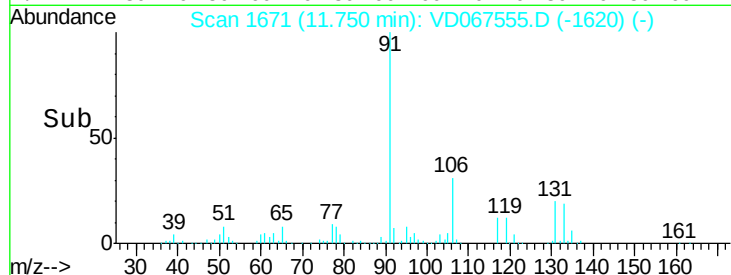
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 105.699 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067555.D

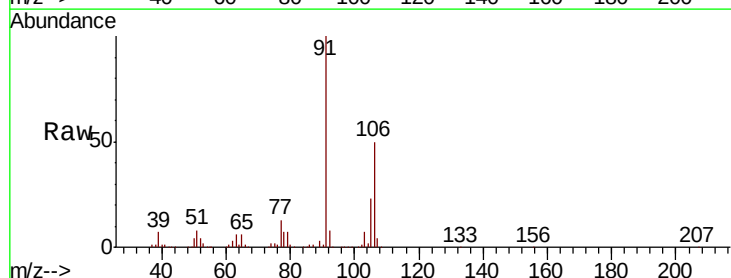
Acq: 09 Nov 2020 10:05

Tgt Ion:106 Resp: 542600

Ion Ratio Lower Upper

106 100

91 204.4 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

600000

400000

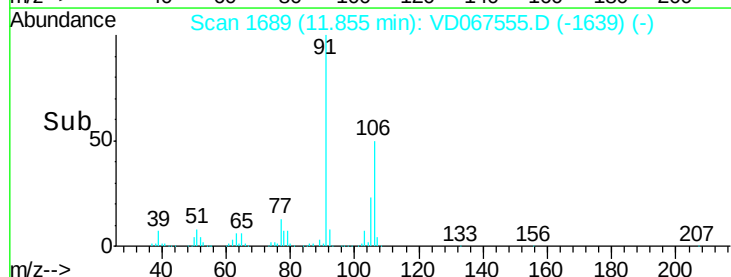
200000

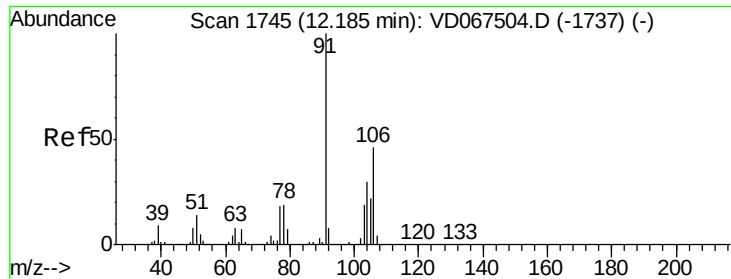
0

11.86

11.90

Time-->





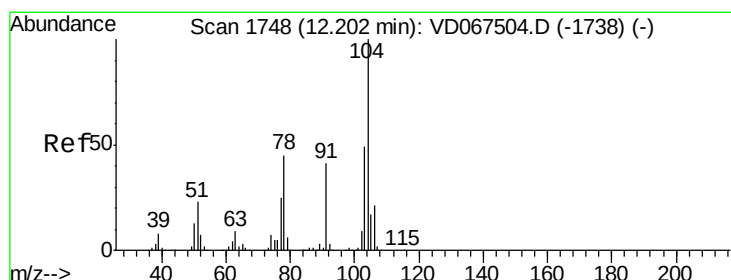
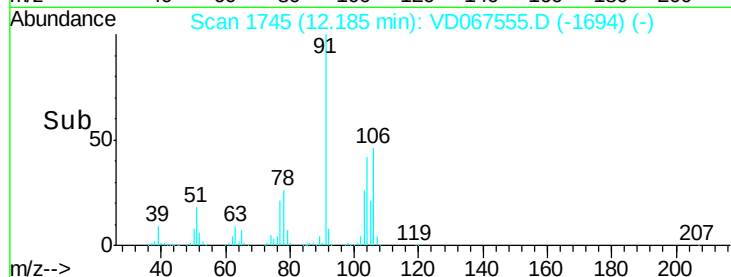
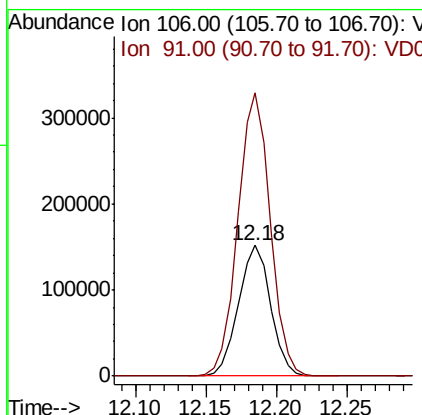
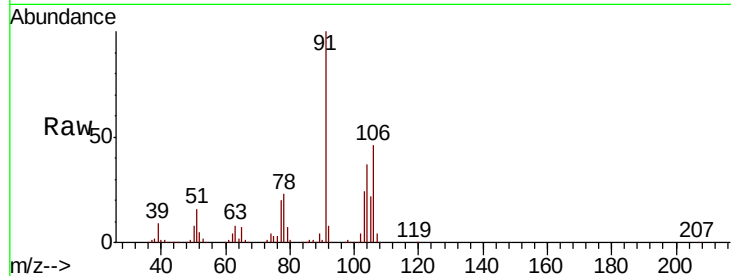
#69
o-Xylene
Concen: 53.143 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.5	107.1	321.1

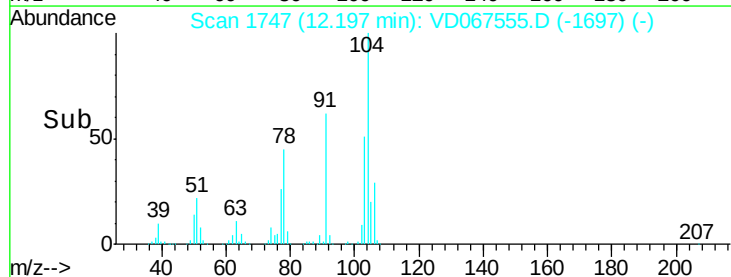
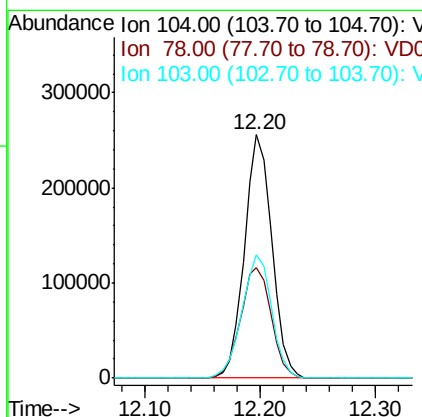
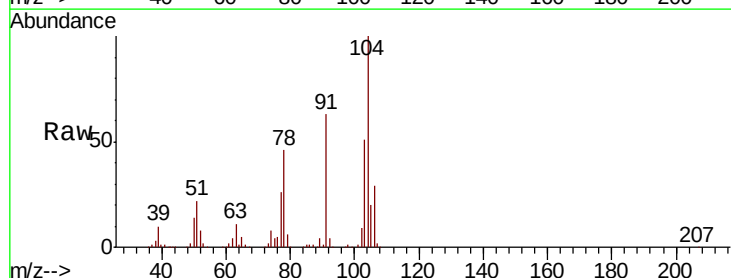
Manual Integrations
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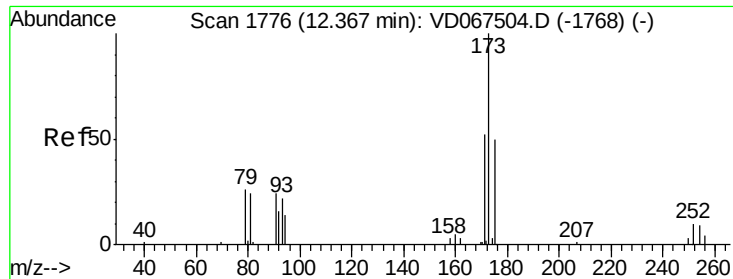
MMDadoda
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#70
Styrene
Concen: 53.077 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.6	39.8	59.8
103	54.5	43.9	65.9





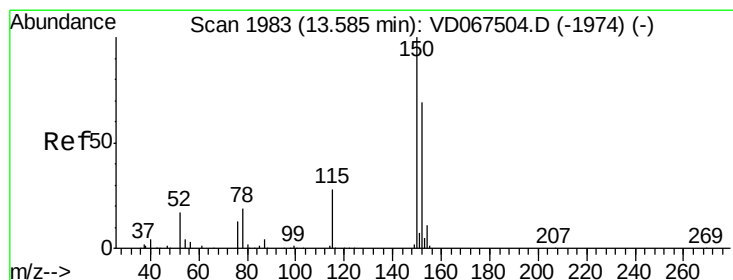
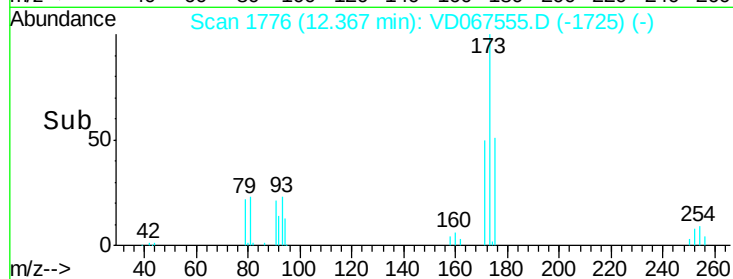
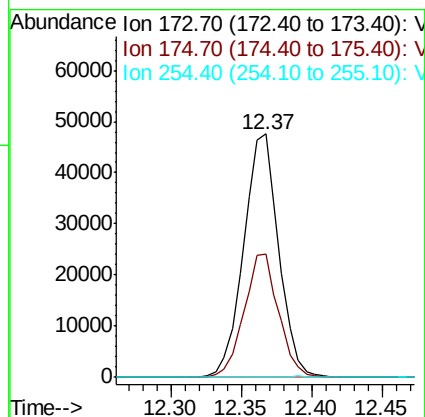
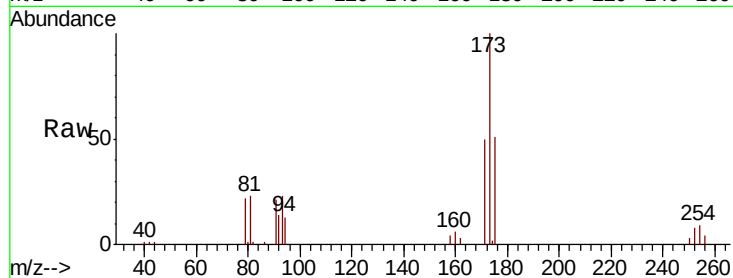
#71
Bromoform
Concen: 53.292 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.1	72.2
254	0.1	0.0	0.0

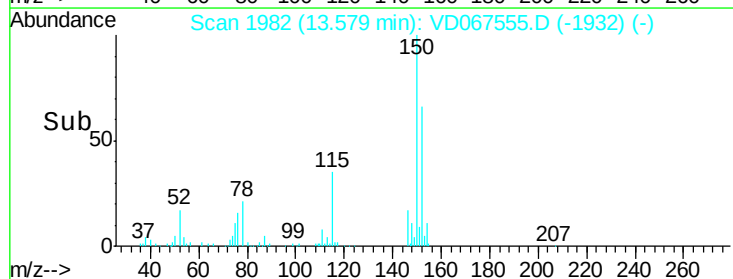
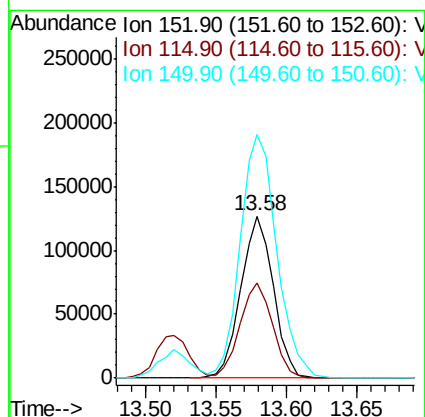
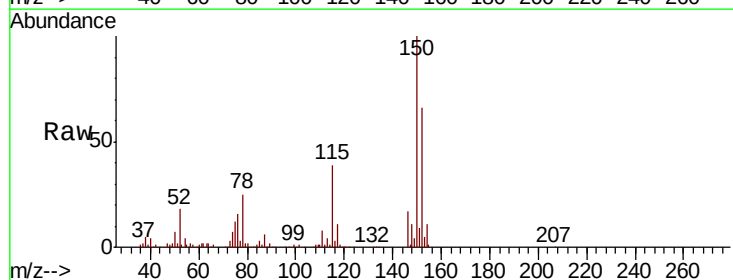
Manual Integrations
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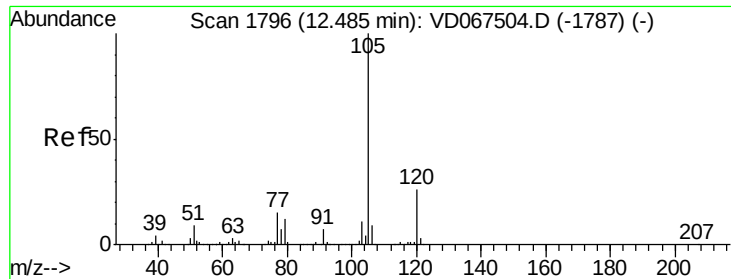
MMDadoda
11/10/2020 1:11:46 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.3	88.0
150	168.9	0.0	338.2





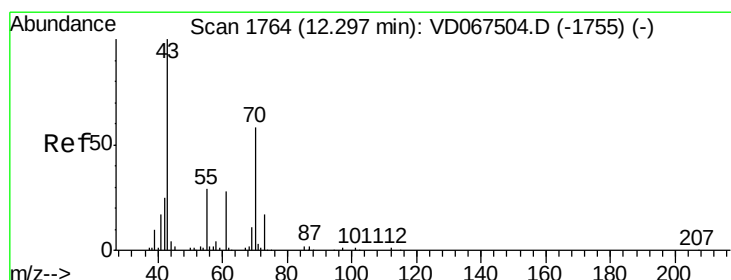
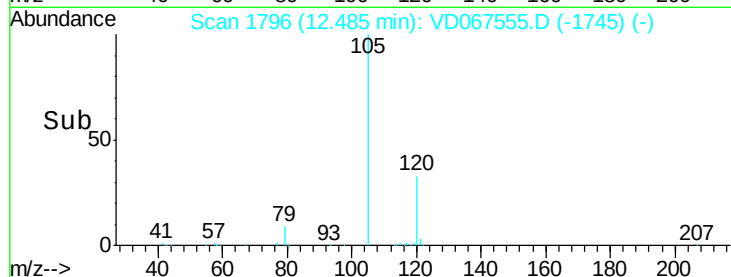
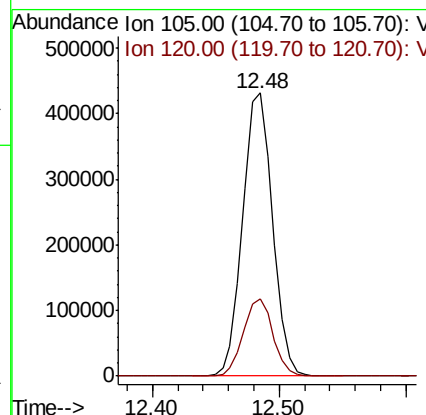
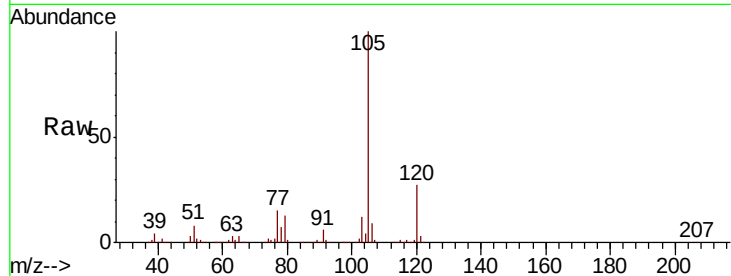
#73
Isopropylbenzene
Concen: 53.383 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.2	39.6

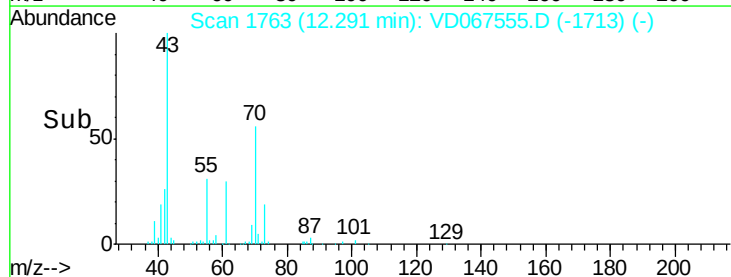
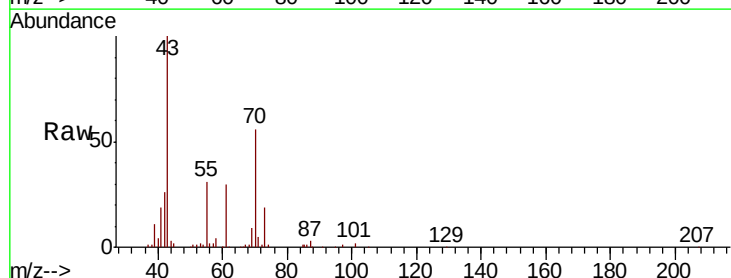
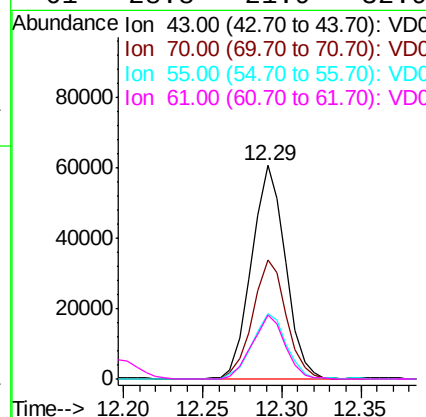
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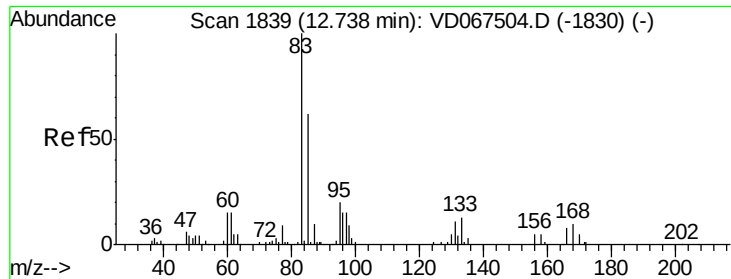
MMDadoda
11/10/2020 1:11:46 PM



#74
N-ethyl acetate
Concen: 52.033 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	55.5	42.6	64.0
55	30.7	23.7	35.5
61	28.8	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.647 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

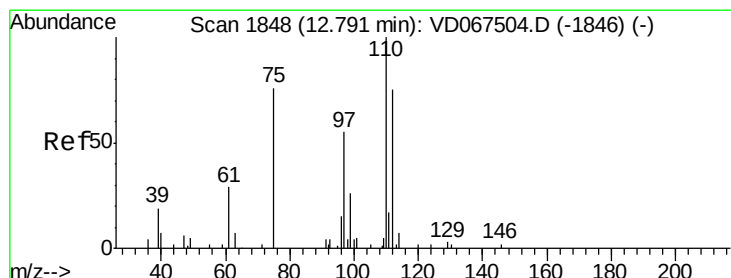
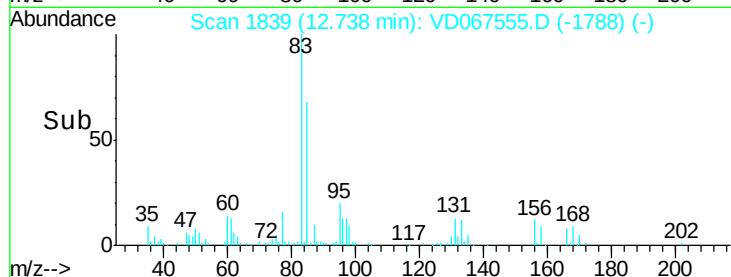
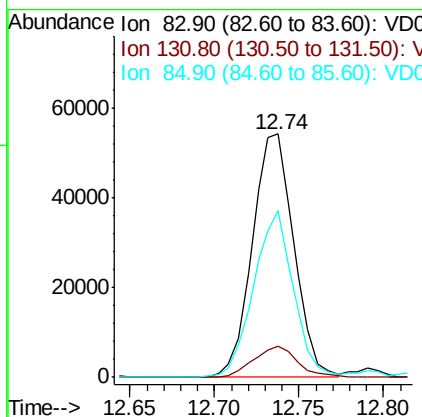
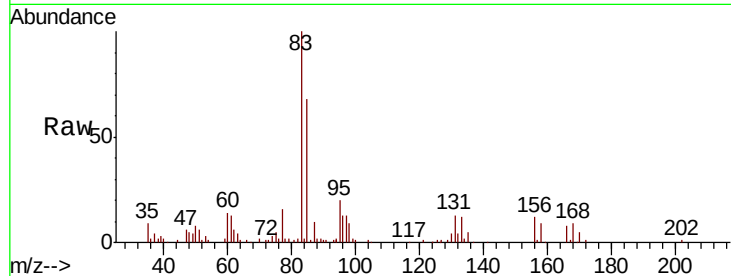
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	92955
Ion Ratio	Lower	Upper	
83	100		
131	13.4	7.1	21.3
85	65.1	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 55.797 ug/l m

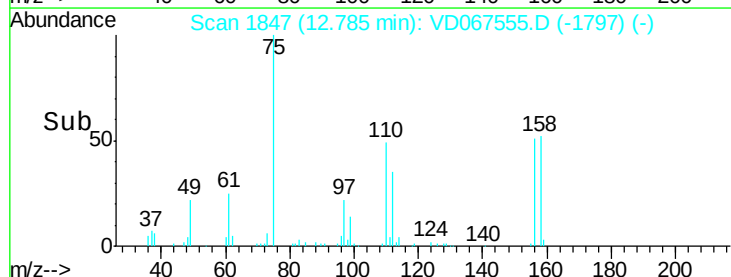
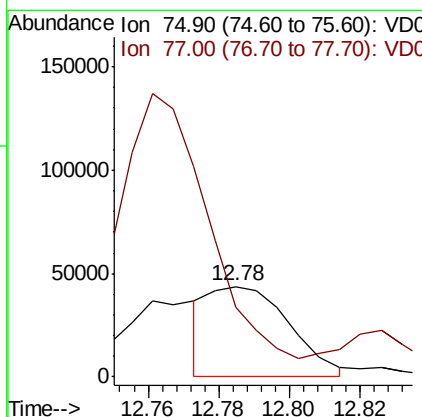
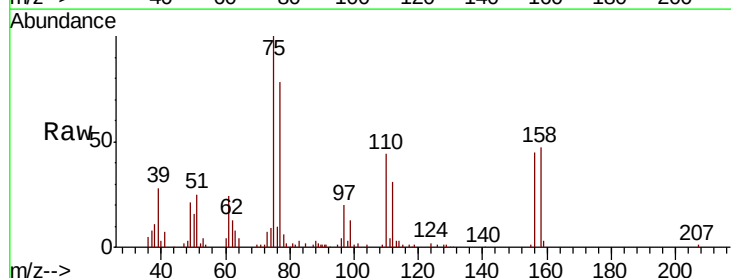
RT: 12.78 min Scan# 1847

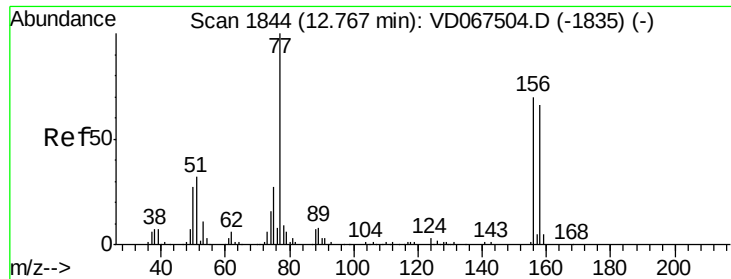
Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Tgt Ion:	75	Resp:	68742
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.454 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

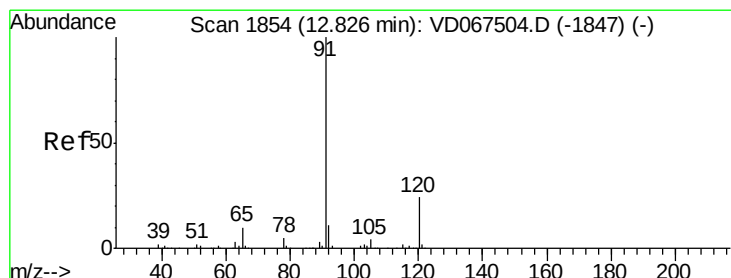
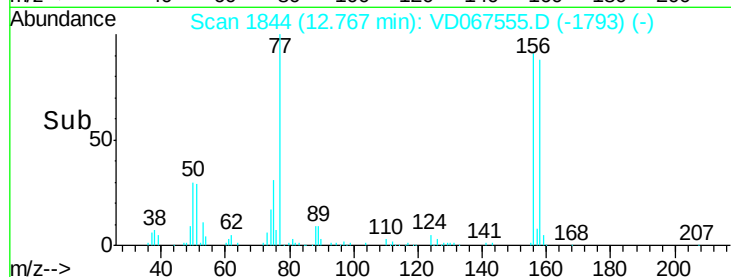
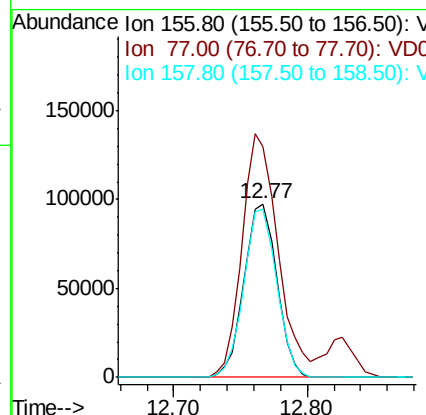
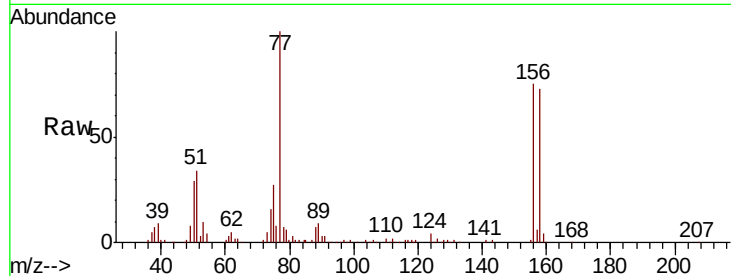
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		166785		
77	153.2		77.8	233.5	
158	97.3		47.9	143.7	

Manual Integrations
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11/10/2020 1:11:46 PM



#78

n-propylbenzene

Concen: 53.228 ug/l

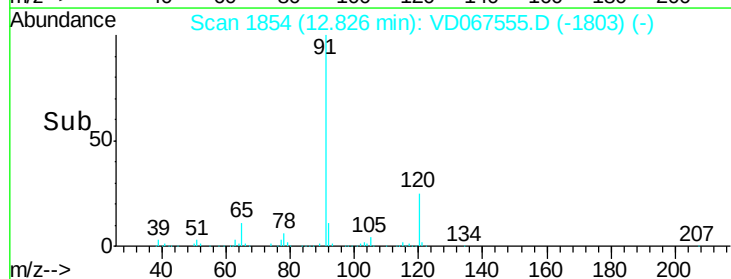
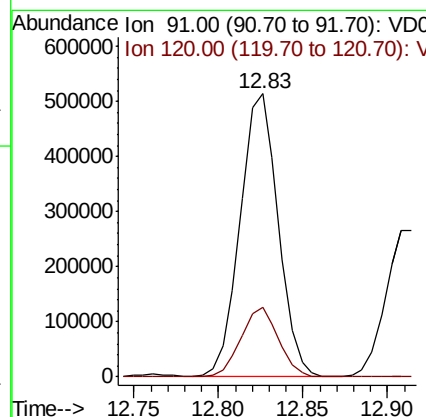
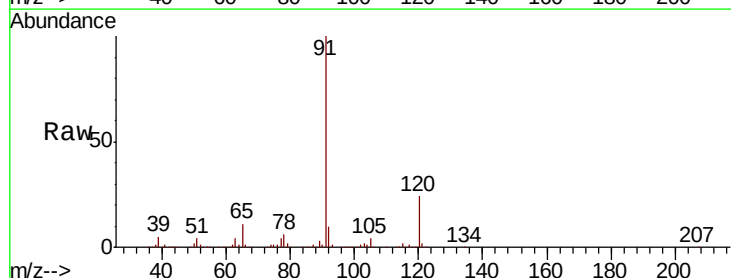
RT: 12.83 min Scan# 1854

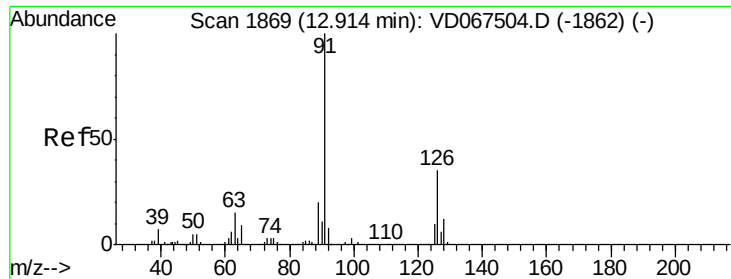
Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		803592		
120	24.1		12.2	36.4	





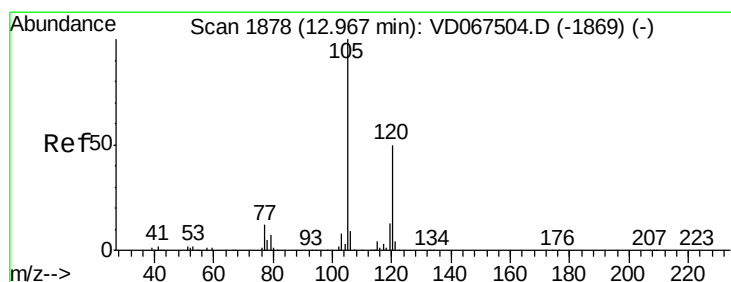
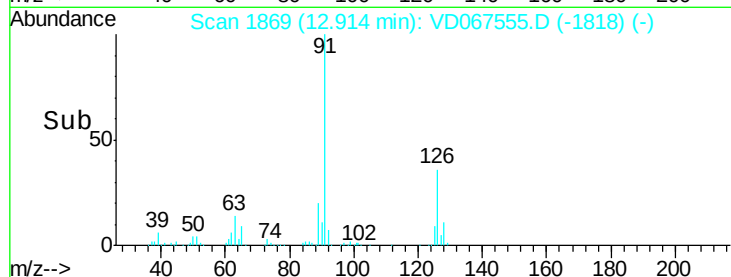
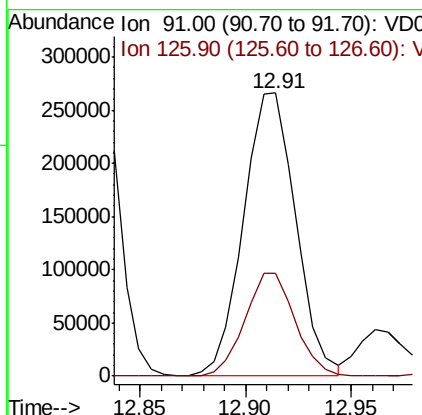
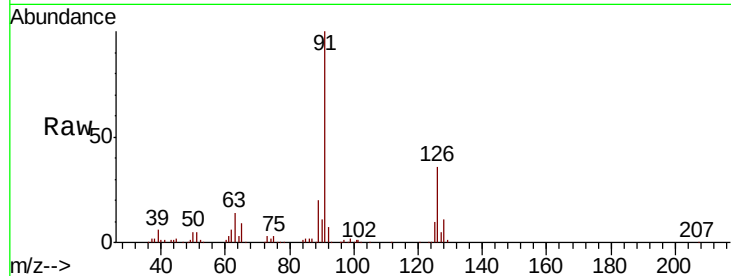
#79
2-Chlorotoluene
Concen: 53.203 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 456258
Ion Ratio Lower Upper
91 100
126 35.2 17.8 53.4

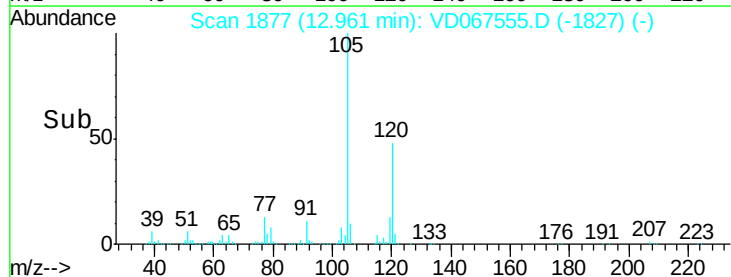
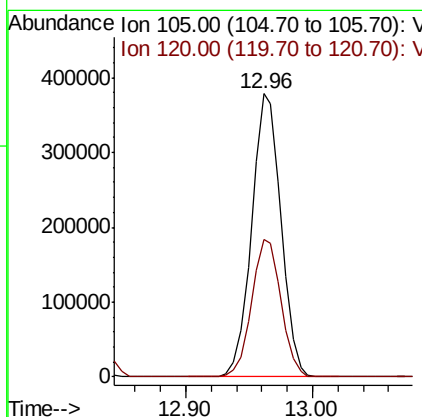
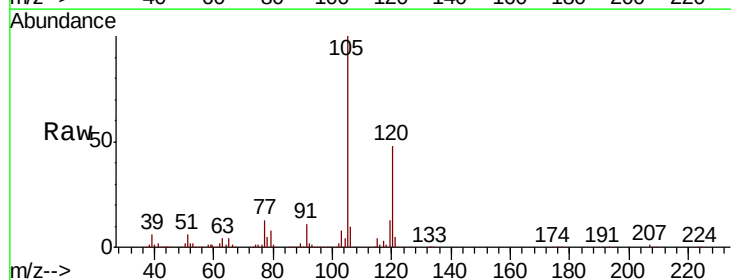
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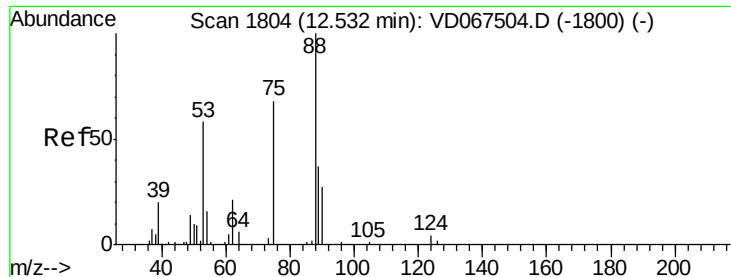
MMDadoda
11/10/2020 1:11:46 PM



#80
1,3,5-Trimethylbenzene
Concen: 54.020 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion: 105 Resp: 609077
Ion Ratio Lower Upper
105 100
120 48.7 24.3 72.8





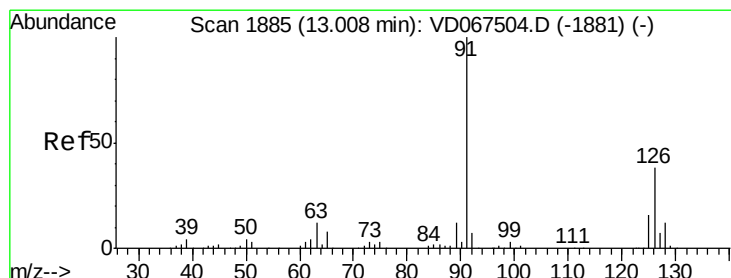
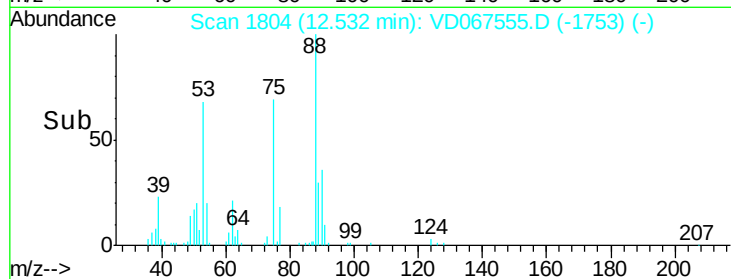
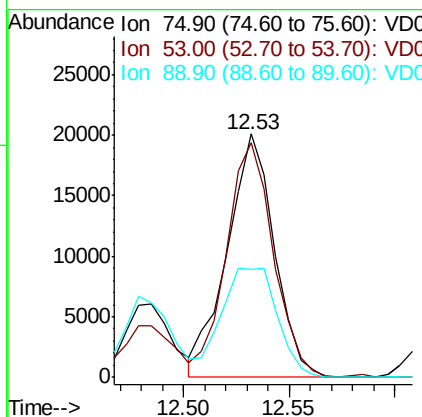
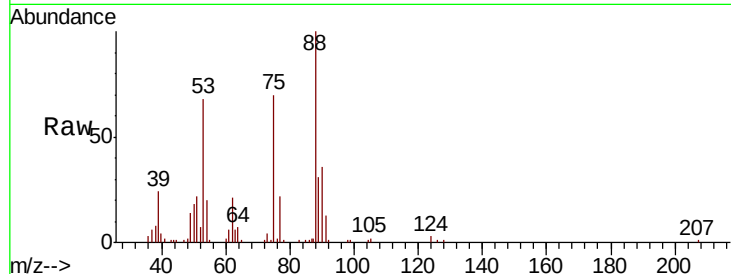
#81
trans-1,4-Dichloro-2-butene
Concen: 51.216 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	75.9	113.9
89	53.9	44.6	67.0

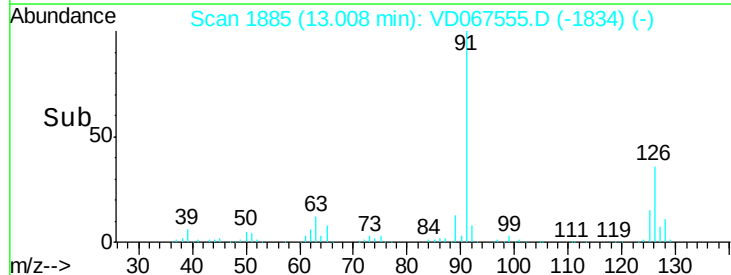
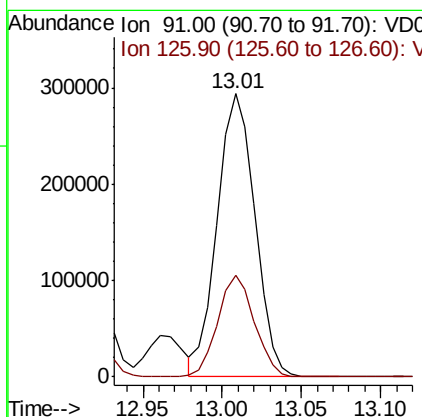
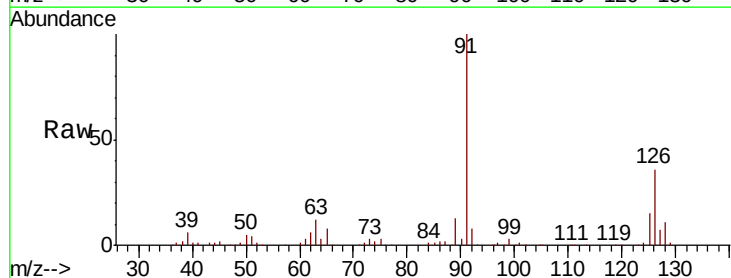
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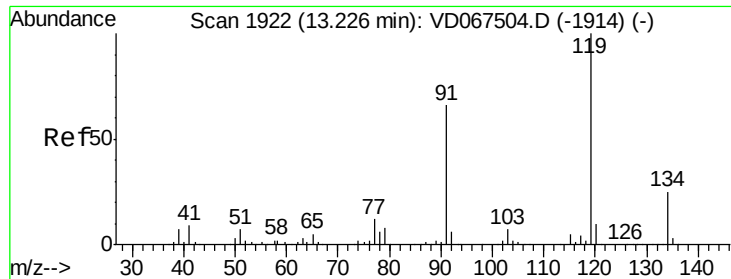
MMDadoda
11/10/2020 1:11:46 PM



#82
4-Chlorotoluene
Concen: 52.819 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.9	53.7





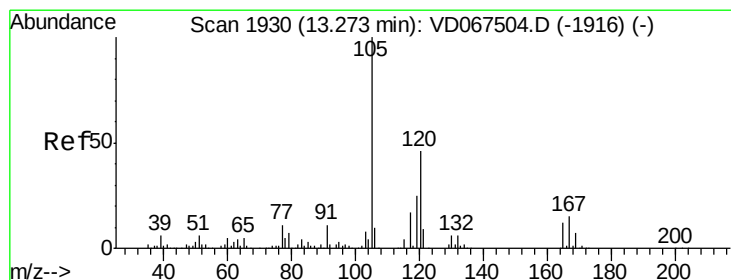
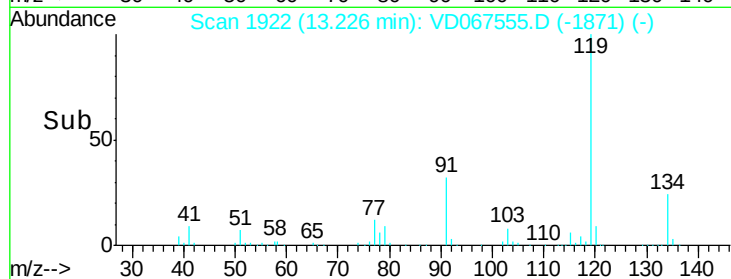
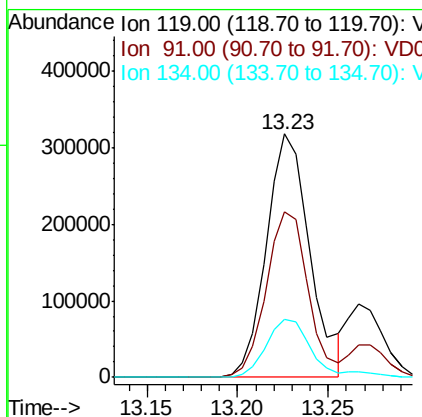
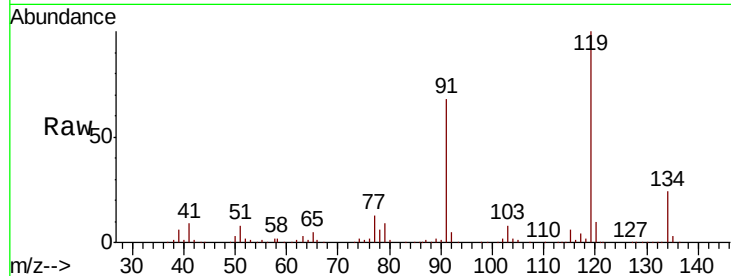
#83
 tert-Butylbenzene
 Concen: 55.688 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.7	98.1
134	25.5	13.4	40.2

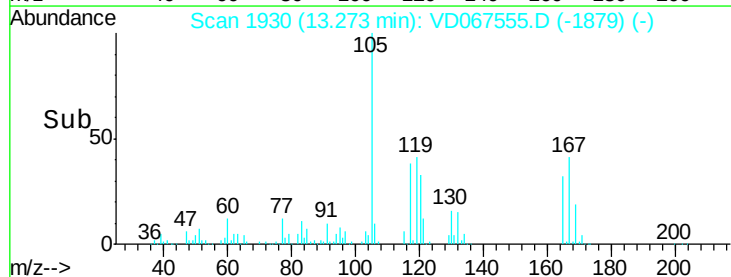
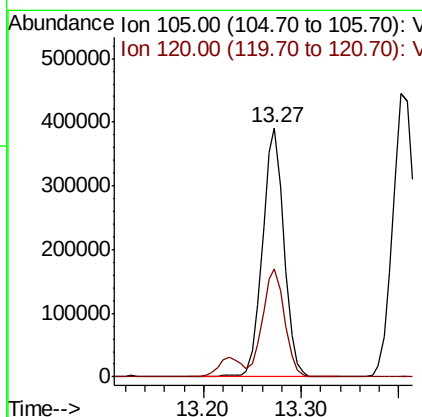
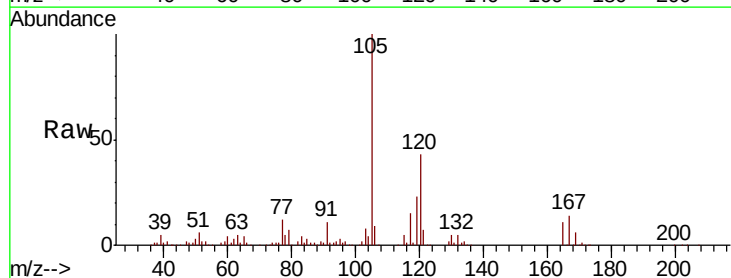
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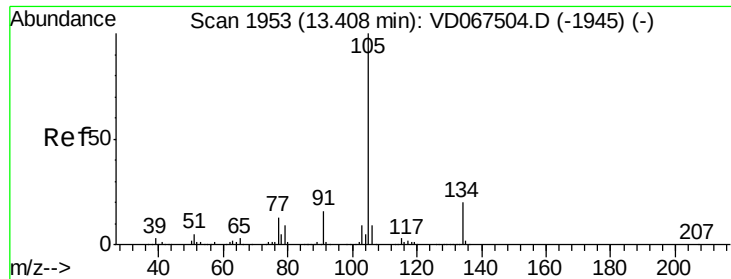
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.913 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1





#85

sec-Butylbenzene

Concen: 54.744 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 706182

Ion Ratio Lower Upper

105 100

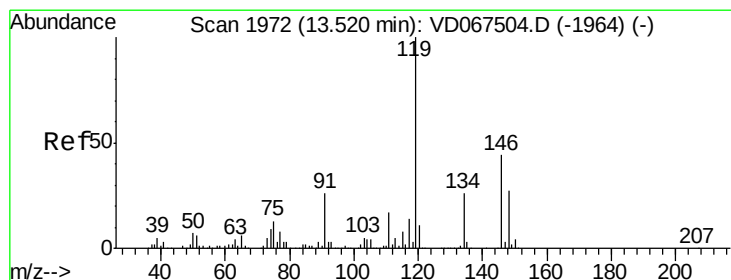
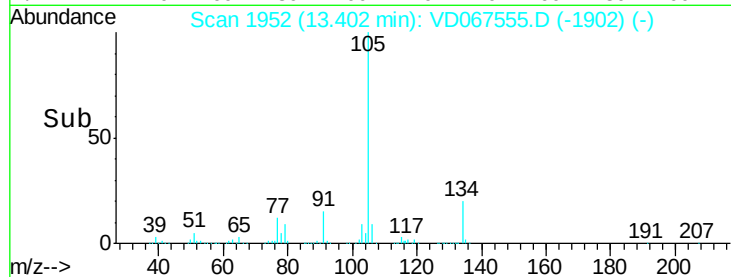
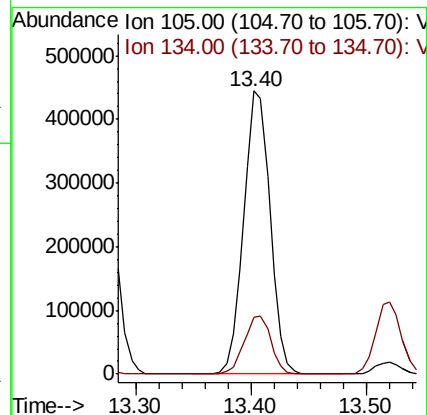
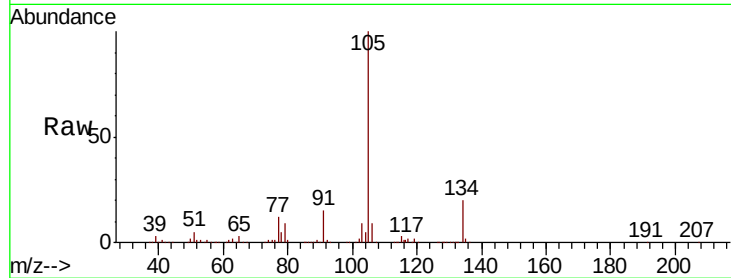
134 20.8 10.4 31.4

Manual Integrations

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11/10/2020 1:11:46 PM



#86

p-Isopropyltoluene

Concen: 54.290 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

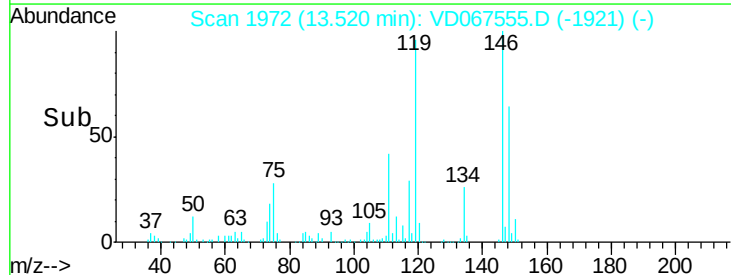
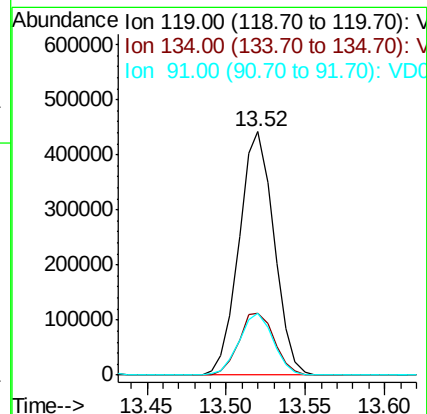
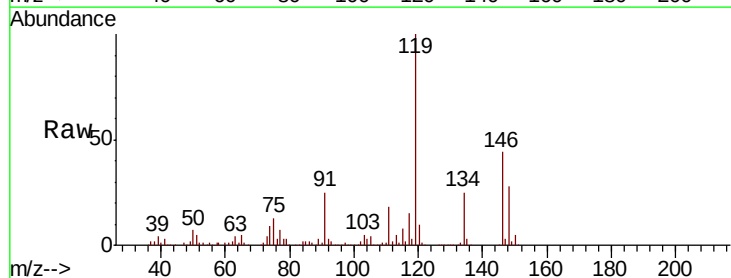
Tgt Ion:119 Resp: 676278

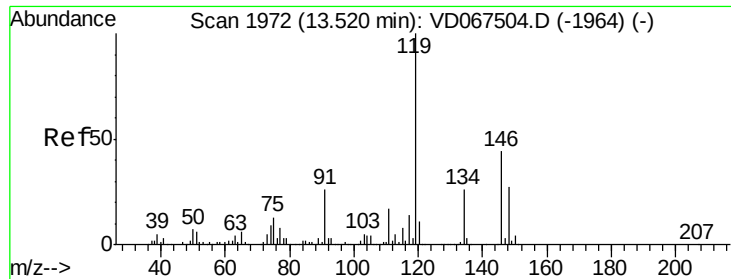
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.9 12.2 36.4





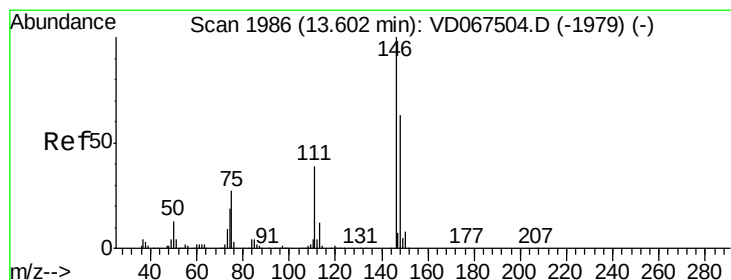
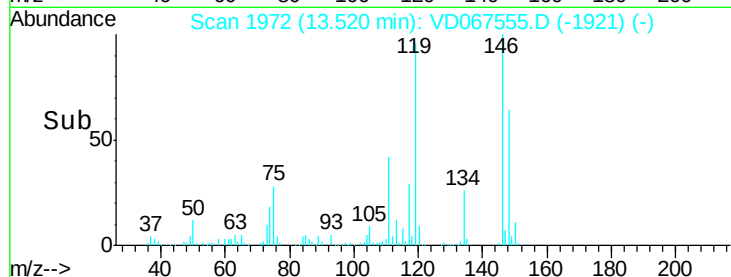
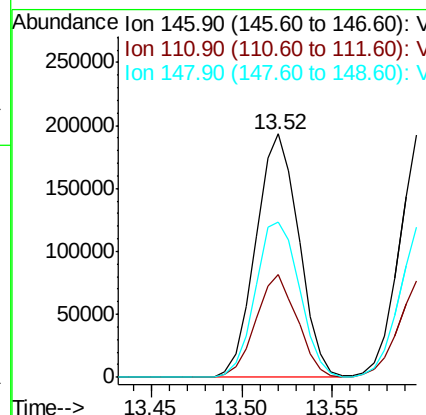
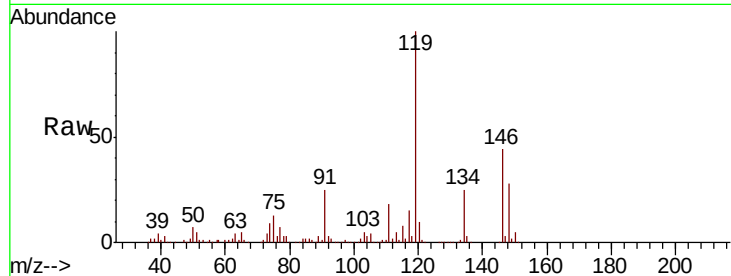
#87
 1,3-Dichlorobenzene
 Concen: 51.524 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	318681		
111	40.7	20.3	60.8	
148	65.6	31.9	95.9	

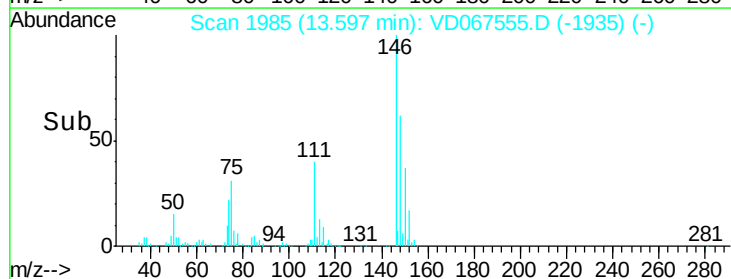
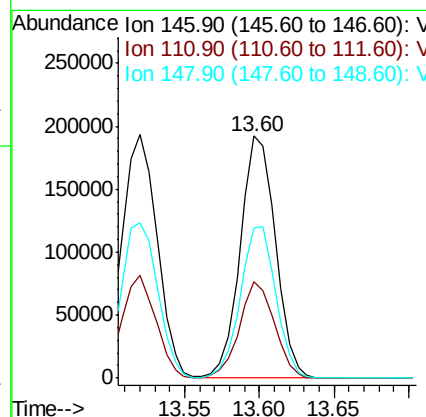
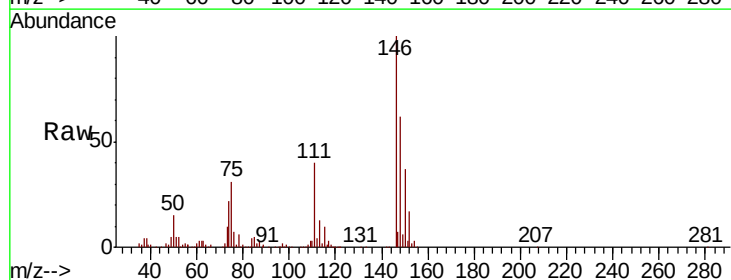
Manual Integrations
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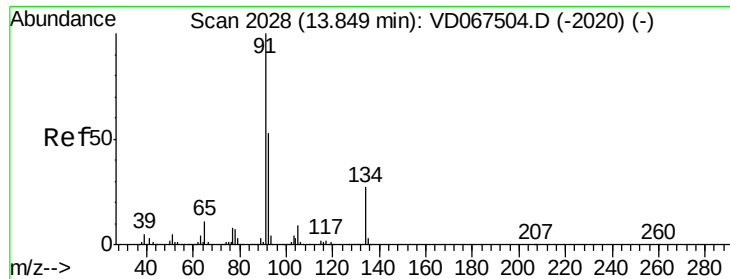
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#88
 1,4-Dichlorobenzene
 Concen: 50.456 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	316002		
111	39.7	19.6	58.7	
148	63.0	31.8	95.4	





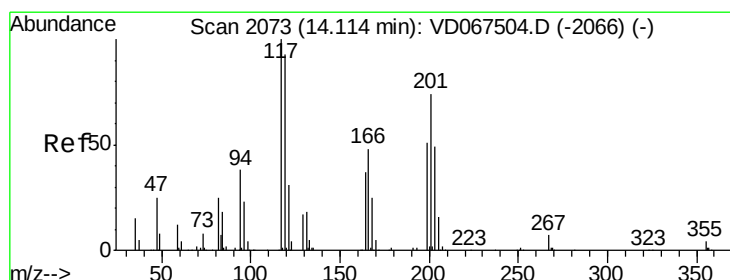
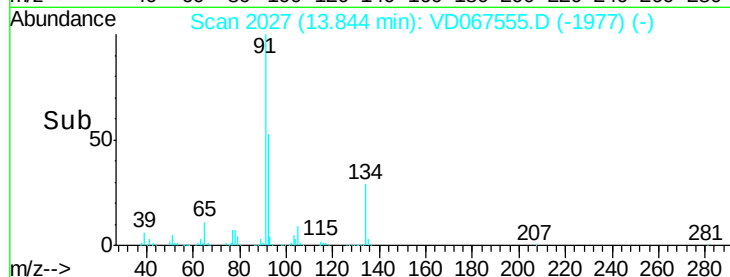
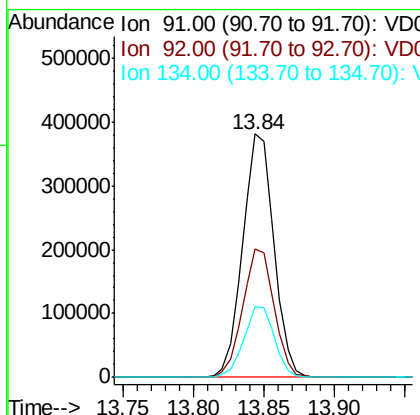
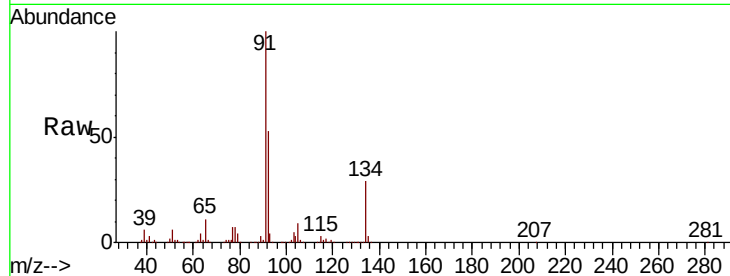
#89
n-Butylbenzene
Concen: 54.851 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	28.7	14.1	42.2

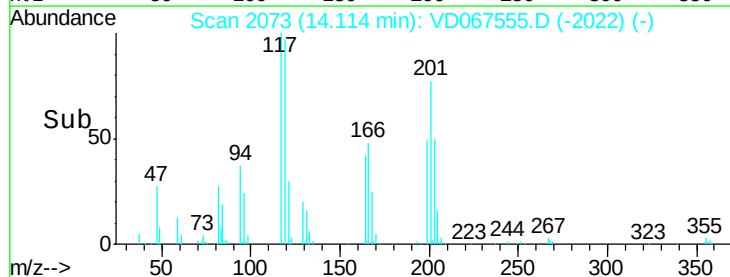
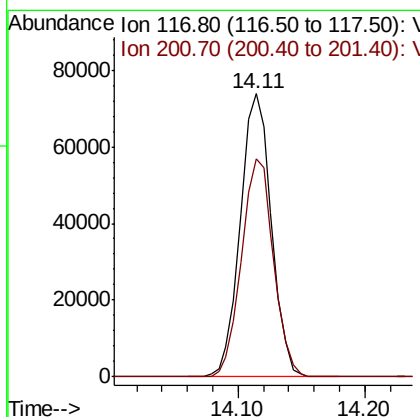
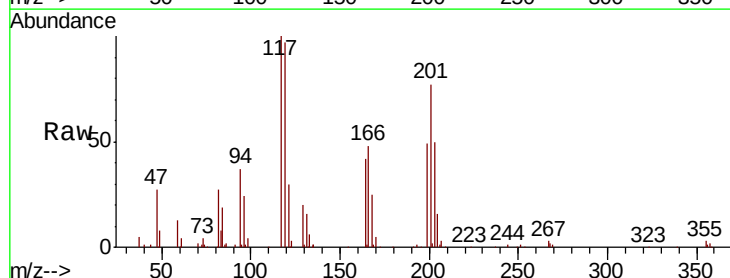
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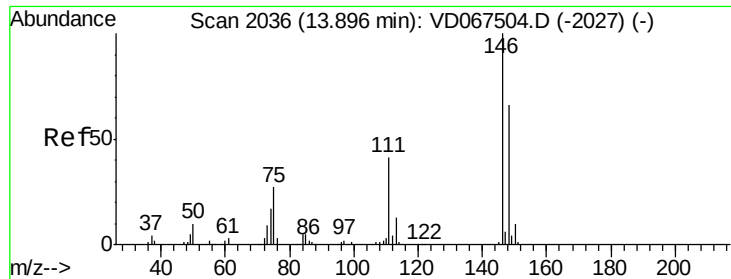
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#90
Hexachloroethane
Concen: 53.437 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.4	40.7	122.1





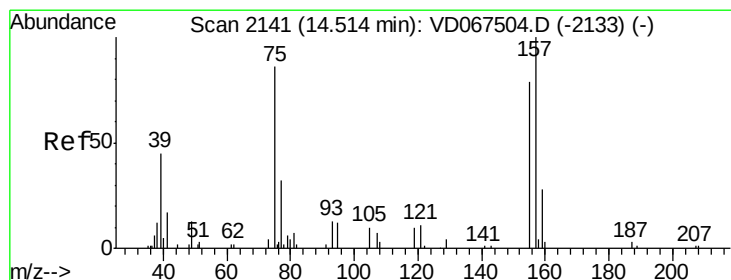
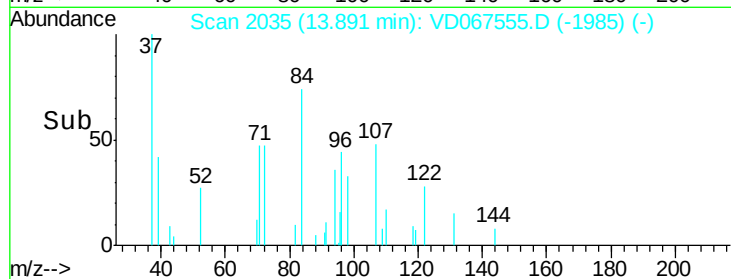
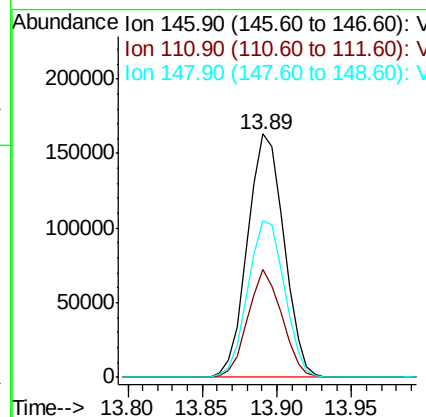
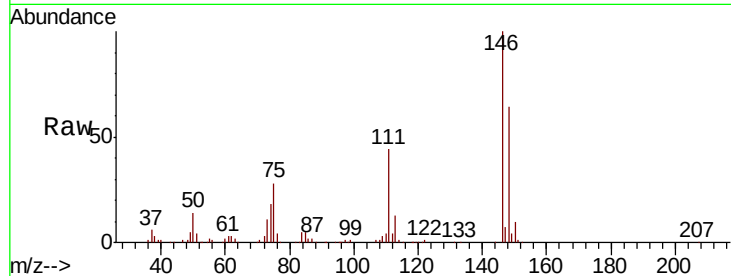
#91
 1,2-Dichlorobenzene
 Concen: 51.505 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	64.9	31.5	94.5

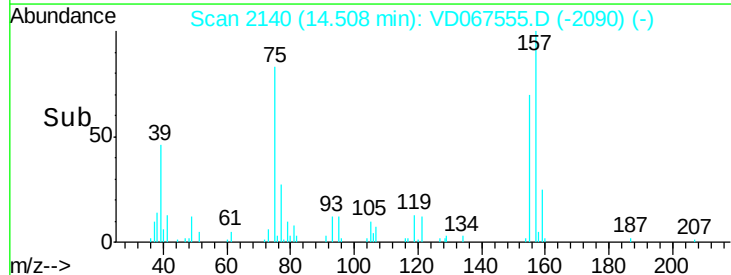
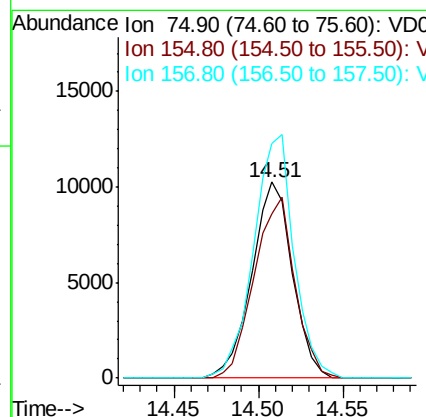
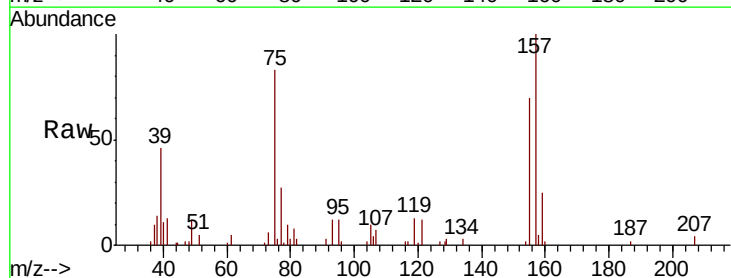
Manual Integrations
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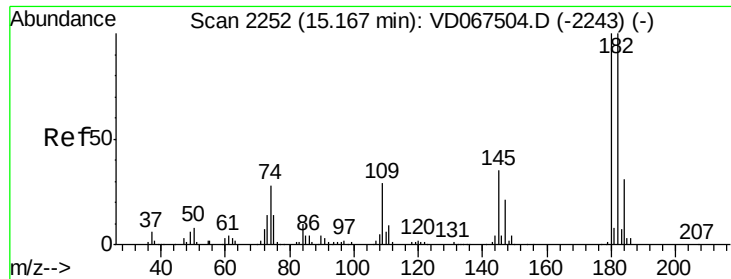
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 11/10/2020 1:11:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.032 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	46.6	139.8
157	123.2	58.1	174.2





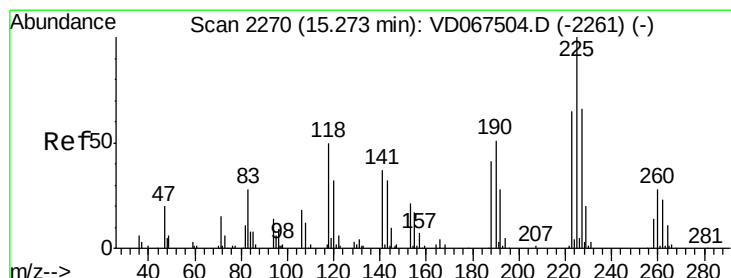
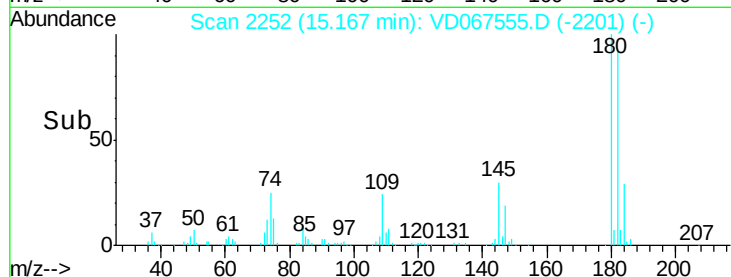
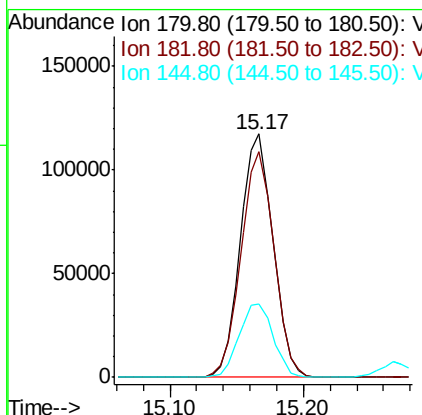
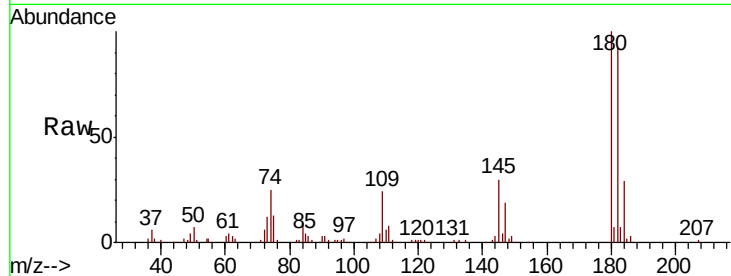
#93
1,2,4-Trichlorobenzene
Concen: 54.656 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	198577		
182	93.6	47.4	142.3	
145	31.4	16.2	48.6	

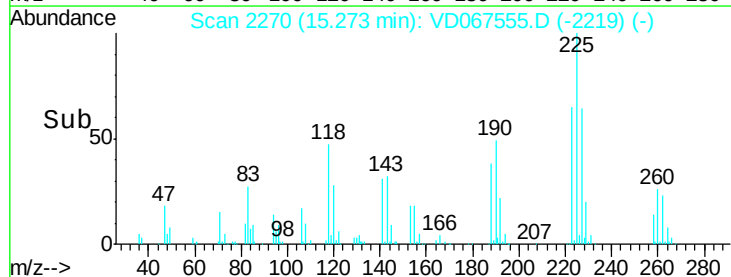
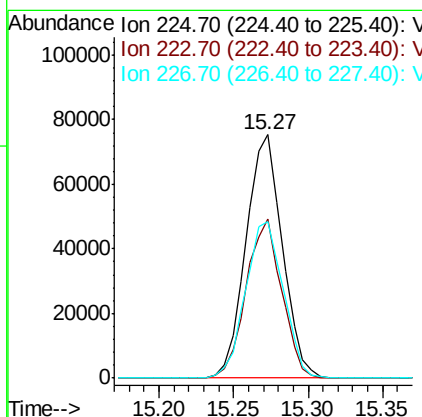
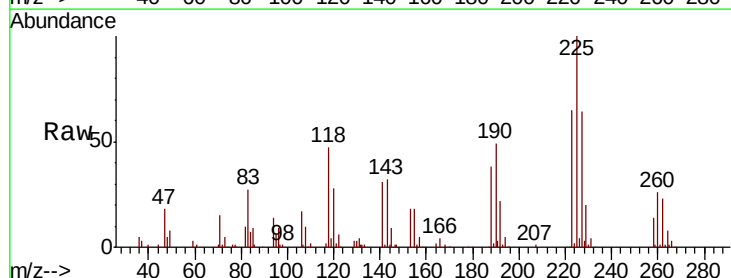
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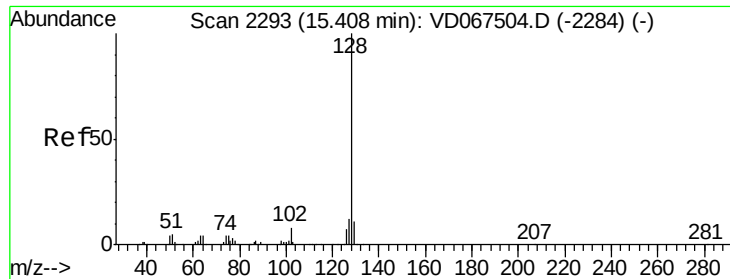
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#94
Hexachlorobutadiene
Concen: 52.107 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126704		
223	63.9	31.9	95.5	
227	66.6	32.5	97.4	





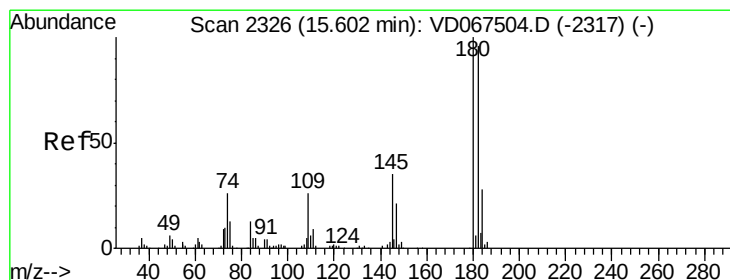
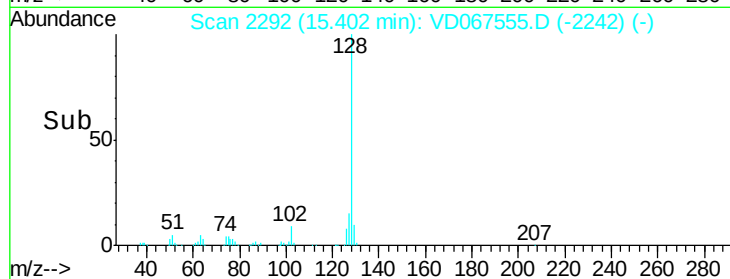
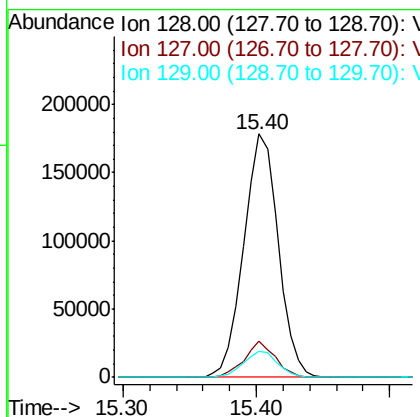
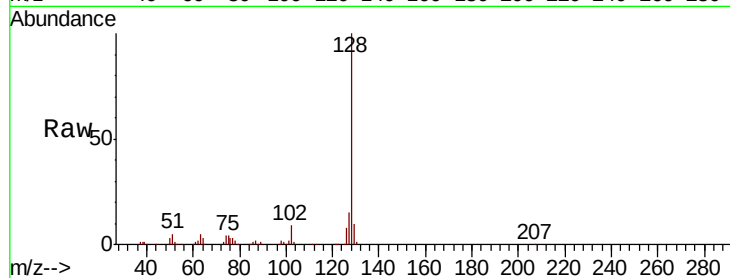
#95
Naphthalene
Concen: 56.812 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	318542
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.4
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/10/2020 1:11:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.233 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion:	180	Resp:	168731
Ion Ratio	Lower	Upper	
180	100		
182	93.2	46.9	140.8
145	33.0	17.1	51.2

