

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067615.D
 Acq On : 12 Nov 2020 09:51
 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

MMDadoda
 11/16/2020 2:34:40 PM

Quant Time: Nov 13 00:37:56 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	356431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	497932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	459180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	231111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	139494	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
35) Dibromofluoromethane	7.91	113	150989	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.34	98	519190	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.64	95	185586	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	130838	44.882	ug/l	99
3) Chloromethane	2.21	50	90101	40.594	ug/l	95
4) Vinyl Chloride	2.35	62	101941	41.195	ug/l	100
5) Bromomethane	2.77	94	81432	40.600	ug/l	95
6) Chloroethane	2.92	64	68287	44.759	ug/l	95
7) Trichlorofluoromethane	3.27	101	286049	44.644	ug/l	92
8) Diethyl Ether	3.70	74	63324	49.047	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	153203	47.369	ug/l	100
10) Methyl Iodide	4.30	142	153981	44.420	ug/l	98
11) Tert butyl alcohol	5.21	59	42076	318.846	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	141825	47.673	ug/l	94
13) Acrolein	3.91	56	37045	265.780	ug/l	93
14) Allyl chloride	4.71	41	155034	48.692	ug/l	96
15) Acrylonitrile	5.42	53	122320	256.299	ug/l	97
16) Acetone	4.15	43	137581	294.997	ug/l	99
17) Carbon Disulfide	4.41	76	412466	45.246	ug/l	99
18) Methyl Acetate	4.71	43	51880	53.831	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	306365	52.208	ug/l #	91
20) Methylene Chloride	4.96	84	150558	45.700	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	164572	47.495	ug/l	97
22) Diisopropyl ether	6.36	45	319163	51.439	ug/l	97
23) Vinyl Acetate	6.30	43	889235	273.795	ug/l	100
24) 1,1-Dichloroethane	6.26	63	245044	48.276	ug/l	98
25) 2-Butanone	7.21	43	137813	276.544	ug/l	99
26) 2,2-Dichloropropane	7.21	77	257532	48.073	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	172800	48.046	ug/l	97
28) Bromochloromethane	7.55	49	96556	53.478	ug/l	96
29) Tetrahydrofuran	7.56	42	84312	282.444	ug/l	98
30) Chloroform	7.71	83	287156	47.420	ug/l	98
31) Cyclohexane	7.98	56	207194	45.837	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	292872	46.874	ug/l	99
36) 1,1-Dichloropropene	8.11	75	214458	50.316	ug/l	99
37) Ethyl Acetate	7.29	43	65072	58.806	ug/l #	95
38) Carbon Tetrachloride	8.10	117	278120	50.222	ug/l	99

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 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)
39) Methylcyclohexane	9.36	83	257201	51.271	ug/l	98
40) Benzene	8.35	78	595925	51.616	ug/l	97
41) Methacrylonitrile	7.53	41	39428	59.610	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	179536	50.331	ug/l	100
43) Isopropyl Acetate	8.46	43	122661	56.050	ug/l	100
44) Trichloroethene	9.11	130	191379	50.413	ug/l	96
45) 1,2-Dichloropropane	9.39	63	131366	52.627	ug/l	100
46) Dibromomethane	9.48	93	82441	51.943	ug/l	96
47) Bromodichloromethane	9.67	83	224340	52.004	ug/l	99
48) Methyl methacrylate	9.46	41	66491	58.845	ug/l	98
49) 1,4-Dioxane	9.46	88	18016	1118.159	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	310251	296.432	ug/l	100
52) Toluene	10.41	92	408012	52.762	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	199557	54.013	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	226308	51.555	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	111483	53.088	ug/l	99
56) Ethyl methacrylate	10.66	69	122781	56.618	ug/l	97
57) 1,3-Dichloropropane	10.95	76	182054	53.874	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	310100	306.643	ug/l	99
59) 2-Hexanone	10.98	43	237774	324.919	ug/l	99
60) Dibromochloromethane	11.14	129	167619	53.959	ug/l	100
61) 1,2-Dibromoethane	11.25	107	112024	53.152	ug/l	98
64) Tetrachloroethene	10.88	164	166312	48.906	ug/l	95
65) Chlorobenzene	11.67	112	446840	50.519	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	176846	50.728	ug/l	99
67) Ethyl Benzene	11.75	91	791008	52.261	ug/l	98
68) m/p-Xylenes	11.86	106	610241	103.634	ug/l	99
69) o-Xylene	12.18	106	274810	52.272	ug/l	98
70) Styrene	12.20	104	471634	51.483	ug/l	100
71) Bromoform	12.36	173	98952	55.655	ug/l #	99
73) Isopropylbenzene	12.48	105	788916	52.819	ug/l	99
74) N-amyl acetate	12.29	43	112027	57.000	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	111679	54.832	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	81947m	58.777	ug/l	
77) Bromobenzene	12.77	156	185710	50.627	ug/l	99
78) n-propylbenzene	12.83	91	898999	52.621	ug/l	100
79) 2-Chlorotoluene	12.91	91	502727	51.802	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	679144	53.227	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	36420	53.036	ug/l	94
82) 4-Chlorotoluene	13.01	91	538800	51.766	ug/l	99
83) tert-Butylbenzene	13.23	119	586318	54.220	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	670302	52.777	ug/l	99
85) sec-Butylbenzene	13.40	105	770051	52.751	ug/l	98
86) p-Isopropyltoluene	13.52	119	746007	52.921	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	358297	51.190	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	354067	49.957	ug/l	99
89) n-Butylbenzene	13.85	91	647838	53.205	ug/l	99
90) Hexachloroethane	14.11	117	133606	50.329	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	315969	52.160	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19674	54.557	ug/l	96

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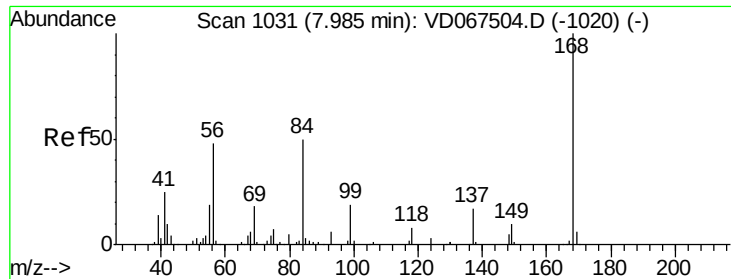
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	216867	52.746	ug/l	99
94) Hexachlorobutadiene	15.27	225	135133	49.109	ug/l	99
95) Naphthalene	15.40	128	352299	55.524	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	188212	53.457	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: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 356431

Ion Ratio Lower Upper

168 100

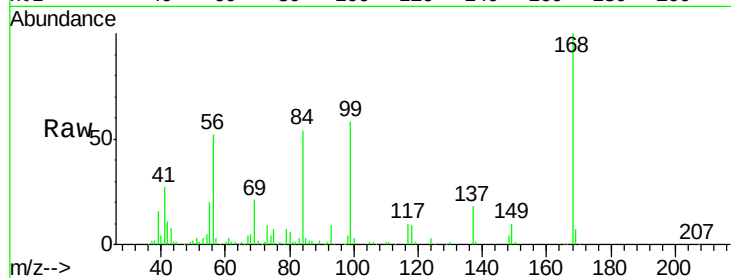
99 57.8 45.0 67.6

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

100000

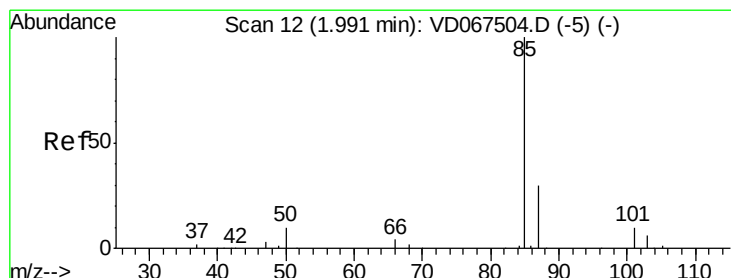
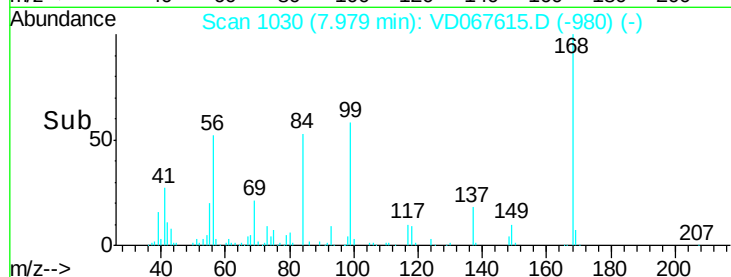
50000

0

7.90 8.00 8.10

7.98

Time-->



#2

Dichlorodifluoromethane

Concen: 44.882 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067615.D

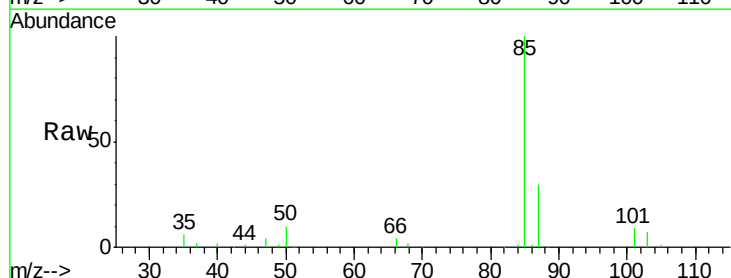
Acq: 12 Nov 2020 09:51

Tgt Ion: 85 Resp: 130838

Ion Ratio Lower Upper

85 100

87 29.7 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

40000

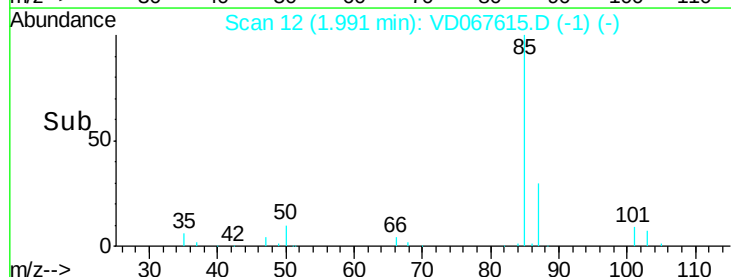
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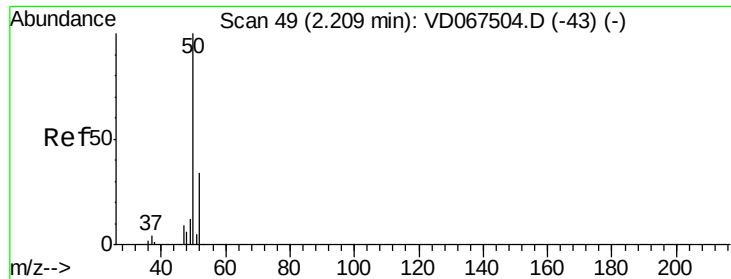
0

1.90 1.95 2.00 2.05

1.99

Time-->





#3

Chloromethane

Concen: 40.594 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 90101

Ion Ratio Lower Upper

50 100

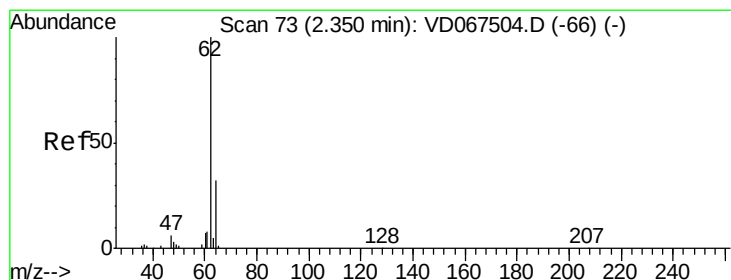
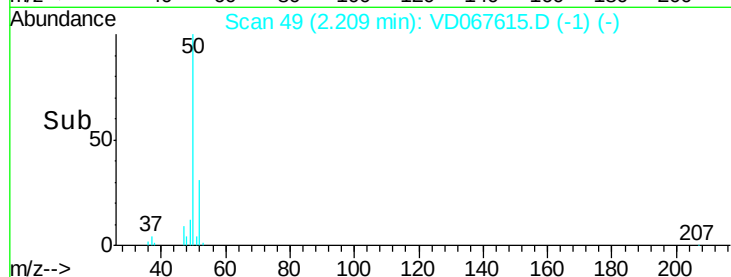
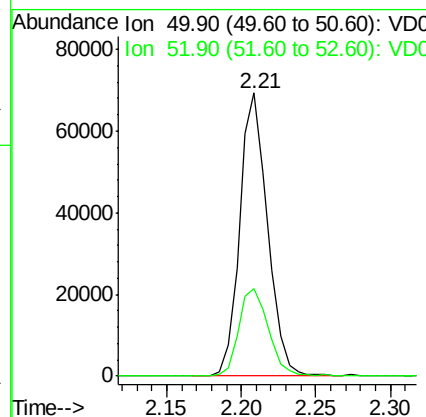
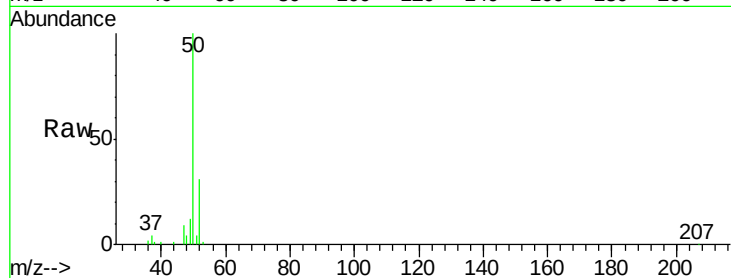
52 31.1 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 41.195 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067615.D

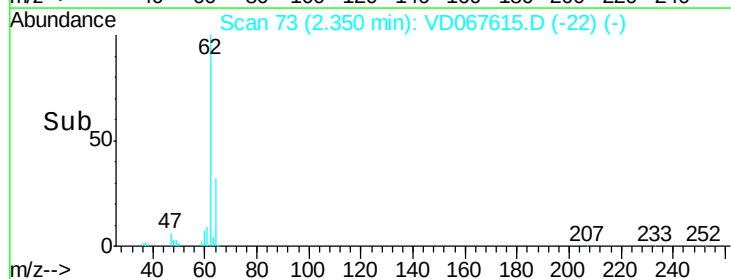
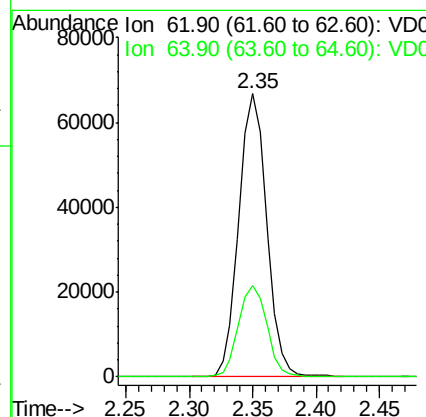
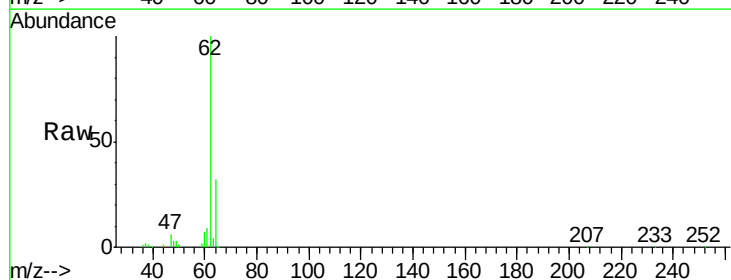
Acq: 12 Nov 2020 09:51

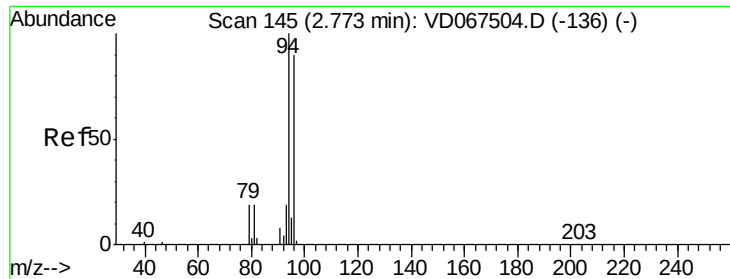
Tgt Ion: 62 Resp: 101941

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4





#5

Bromomethane

Concen: 40.600 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 81432

Ion Ratio Lower Upper

94 100

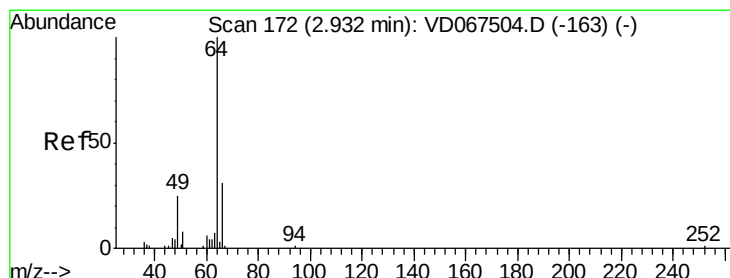
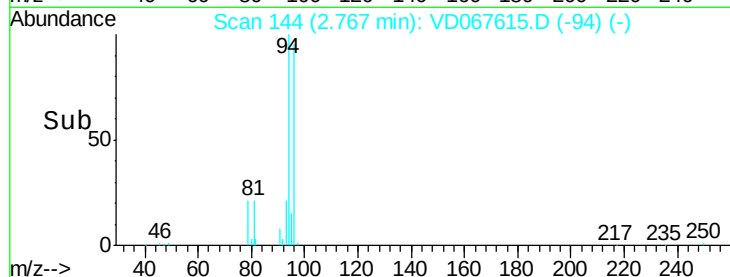
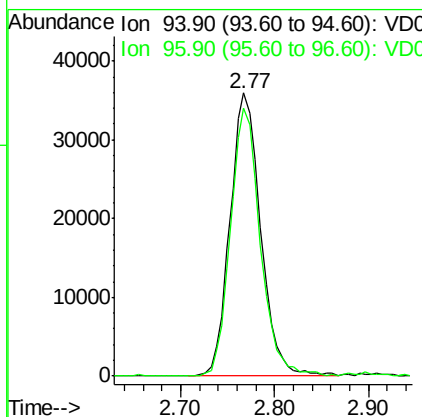
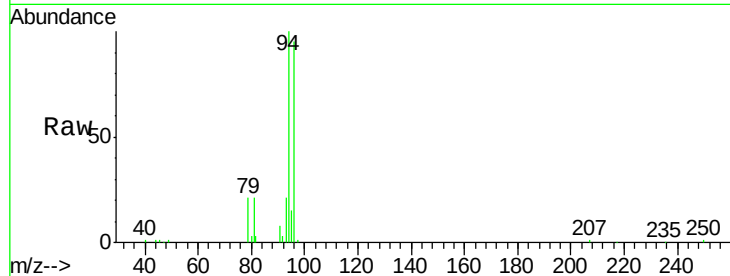
96 94.5 72.2 108.2

Manual Integrations

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#6

Chloroethane

Concen: 44.759 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067615.D

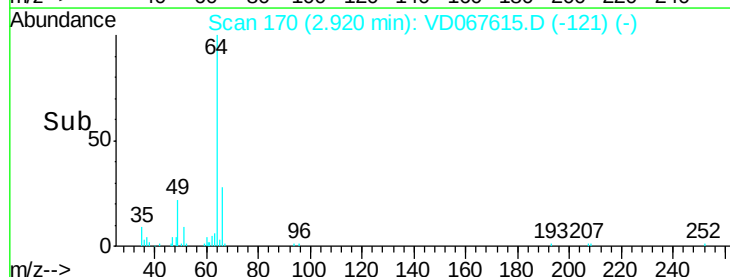
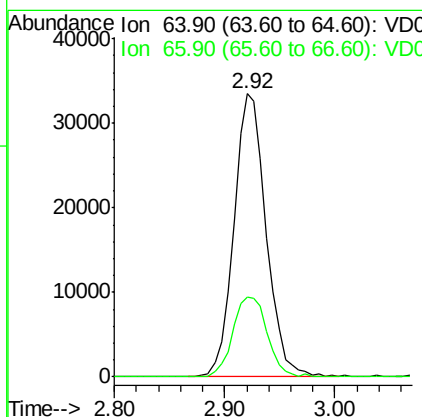
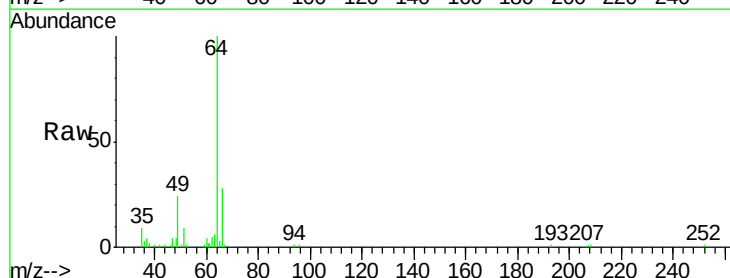
Acq: 12 Nov 2020 09:51

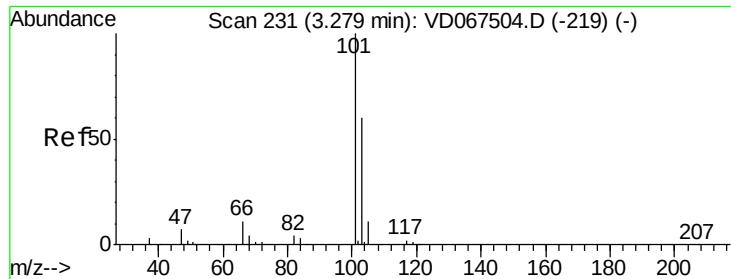
Tgt Ion: 64 Resp: 68287

Ion Ratio Lower Upper

64 100

66 28.2 24.6 36.8





#7

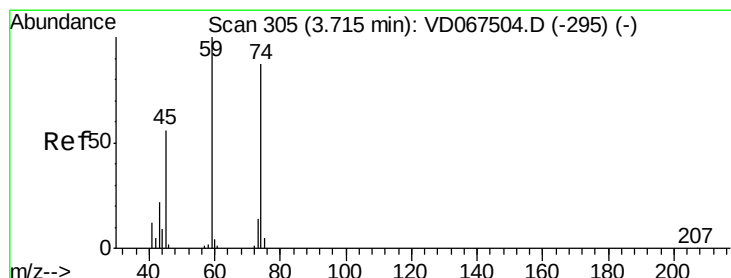
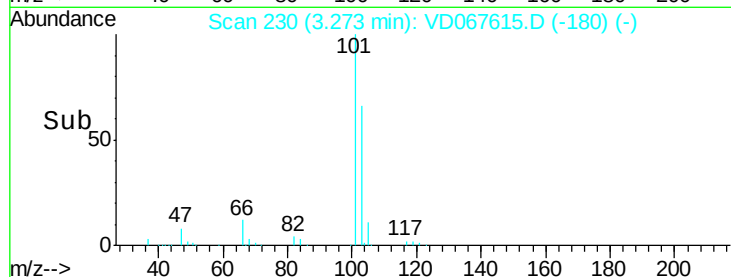
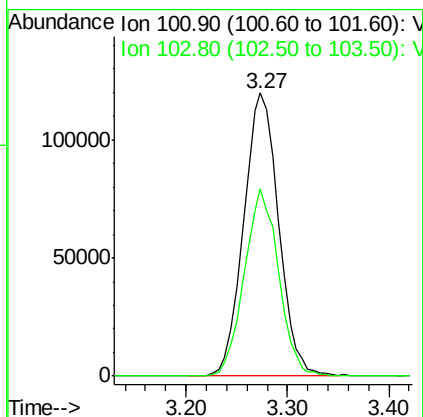
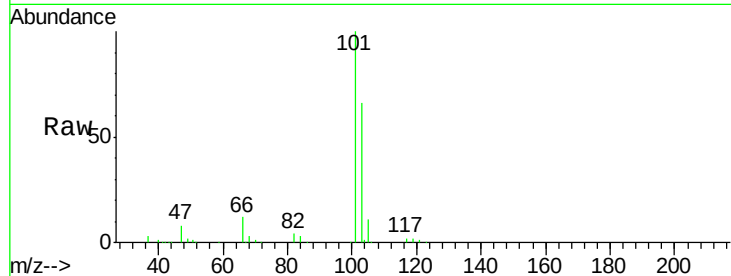
Trichlorofluoromethane
Concen: 44.644 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	48.1	72.1

Manual Integrations
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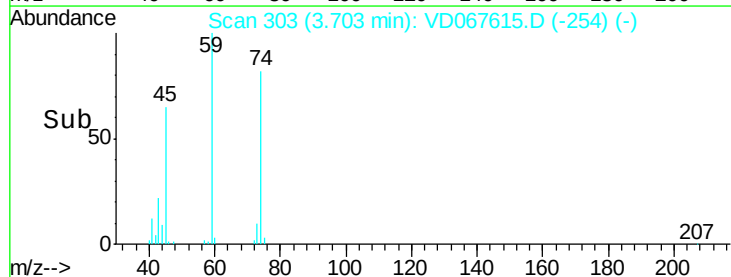
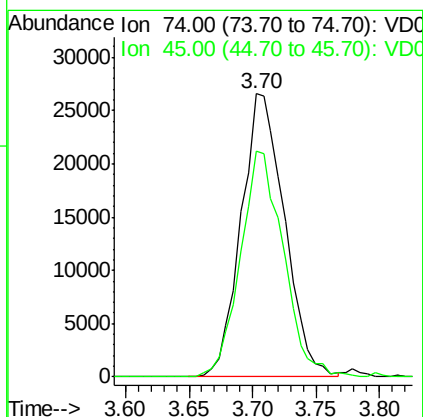
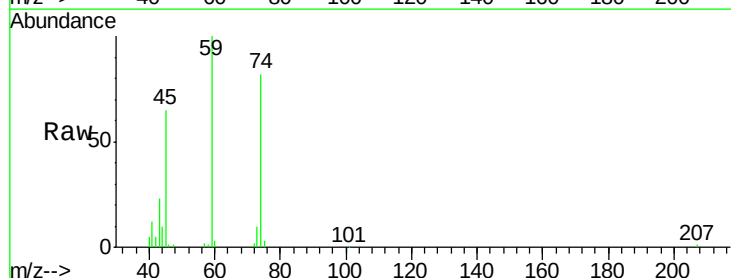
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11/16/2020 2:34:40 PM

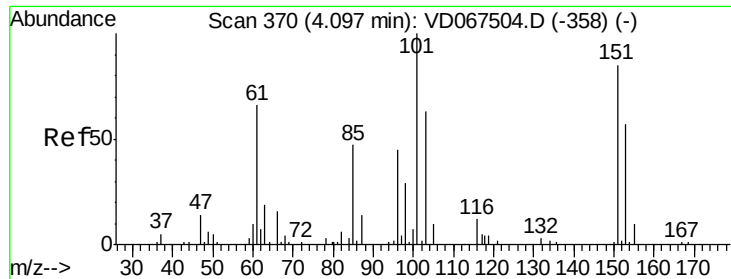


#8

Diethyl Ether
Concen: 49.047 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.7	38.2	114.6





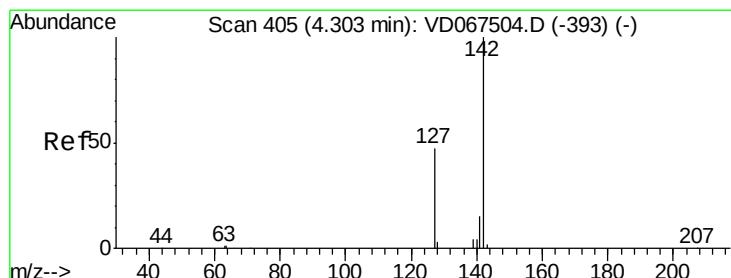
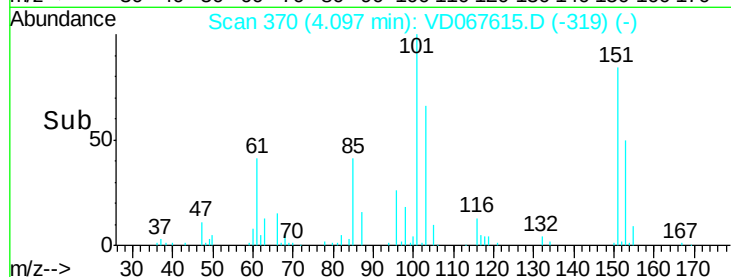
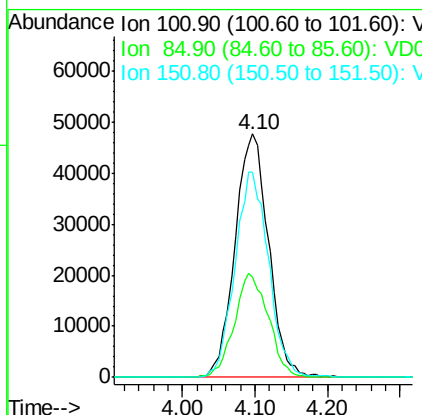
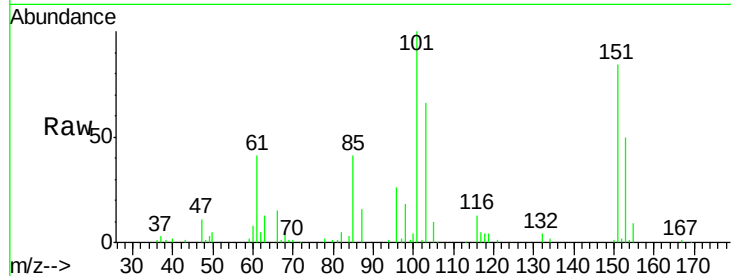
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.369 ug/l
RT: 4.10 min Scan# 370
Delta R.T. -0.00 min
Lab File: VD067615.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.4	51.6
151	84.7	68.1	102.1

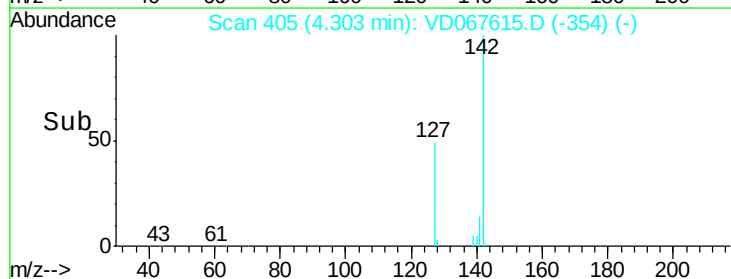
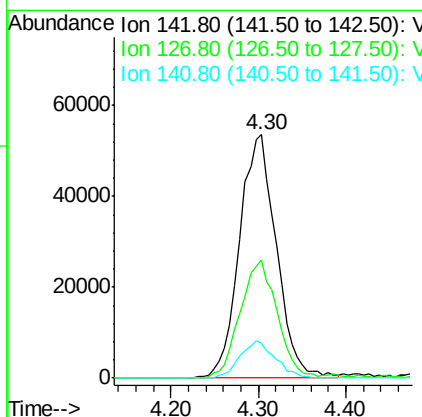
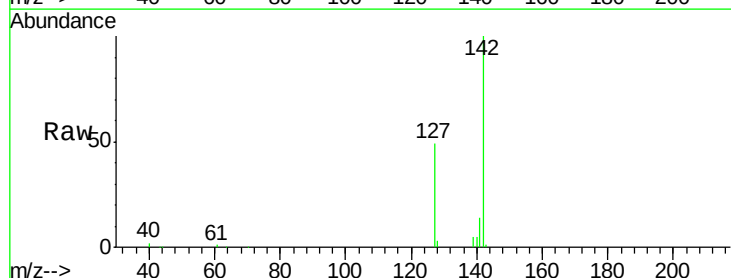
Manual Integrations
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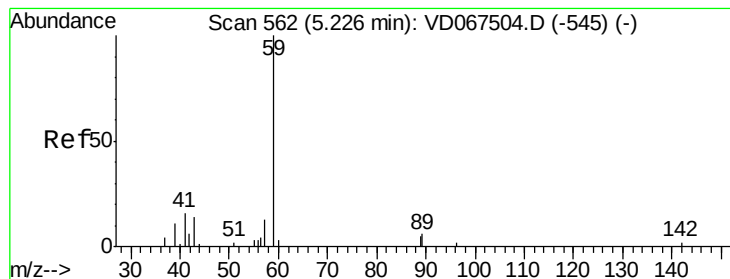
MMDadoda
11/16/2020 2:34:40 PM



#10
Methyl Iodide
Concen: 44.420 ug/l
RT: 4.30 min Scan# 405
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.7	40.0	60.0
141	14.7	11.7	17.5





#11

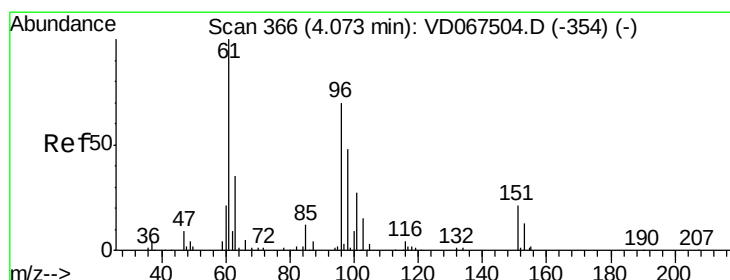
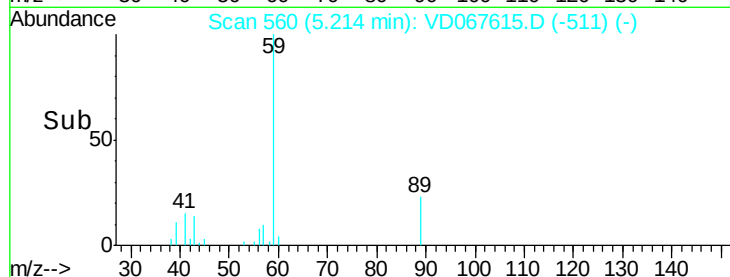
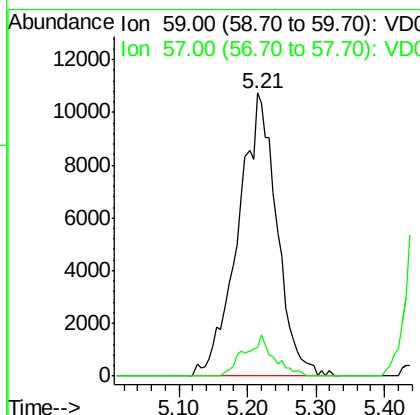
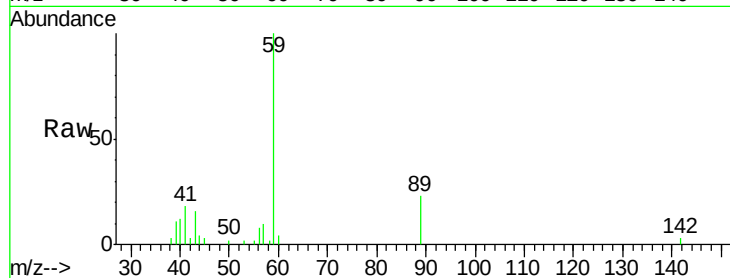
Tert butyl alcohol
Concen: 318.846 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
59	100			
57	10.9	5.9	8.9#	

Manual Integrations
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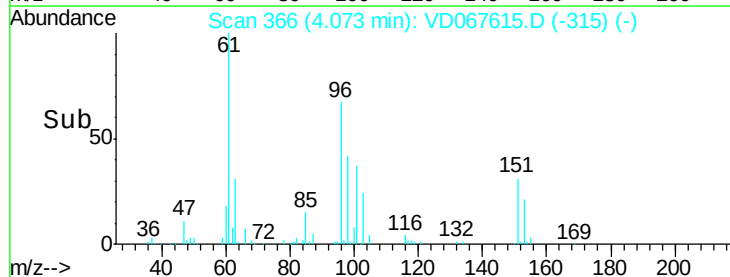
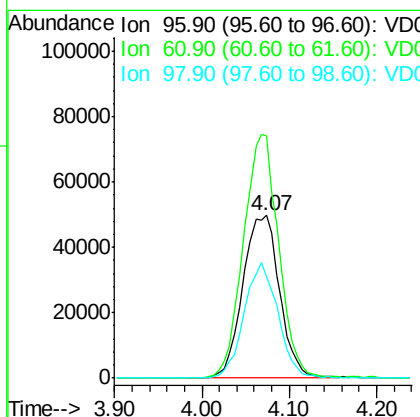
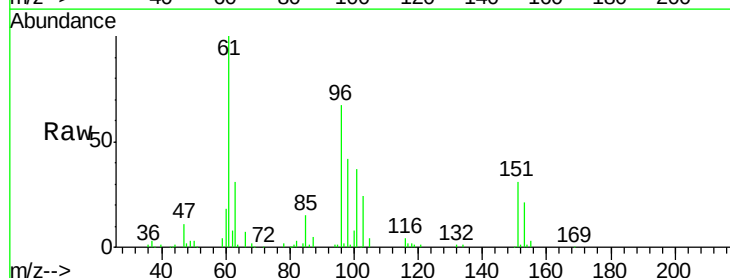
MMDadoda
11/16/2020 2:34:40 PM

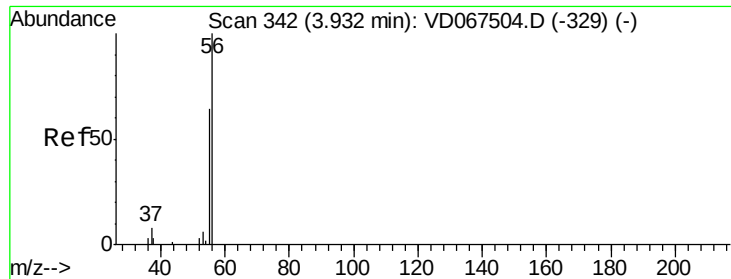


#12

1,1-Dichloroethene
Concen: 47.673 ug/l
RT: 4.07 min Scan# 366
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	149.0	114.5	171.7	
98	62.2	54.5	81.7	





#13

Acrolein

Concen: 265.780 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.02 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 37045

Ion Ratio Lower Upper

56 100

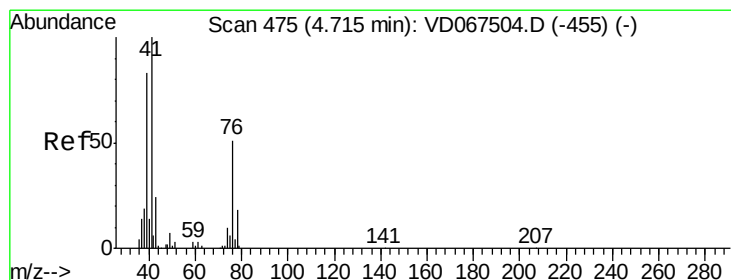
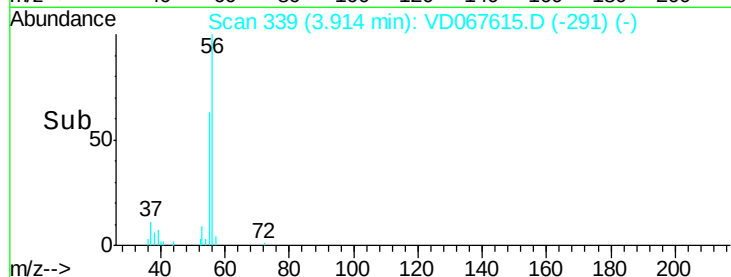
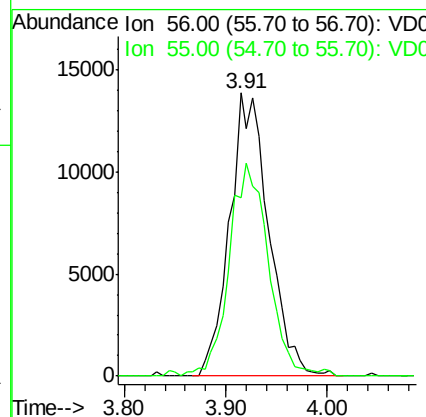
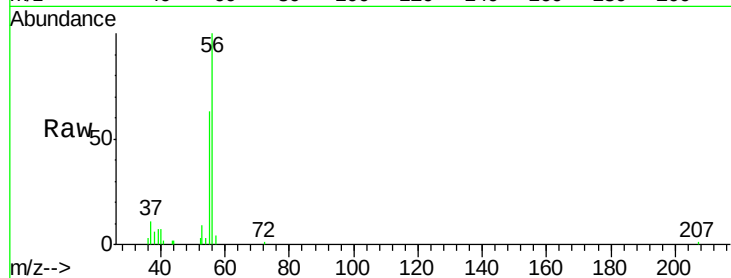
55 75.4 55.8 83.8

Manual Integrations

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11/16/2020 2:34:40 PM



#14

Allyl chloride

Concen: 48.692 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

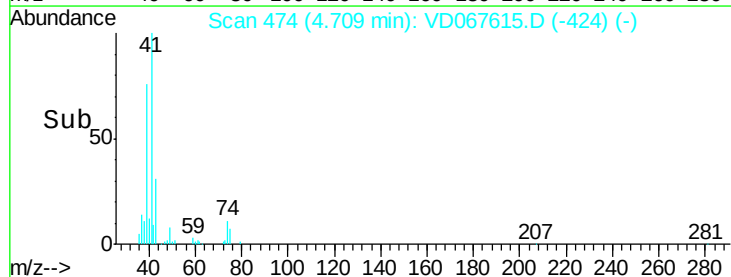
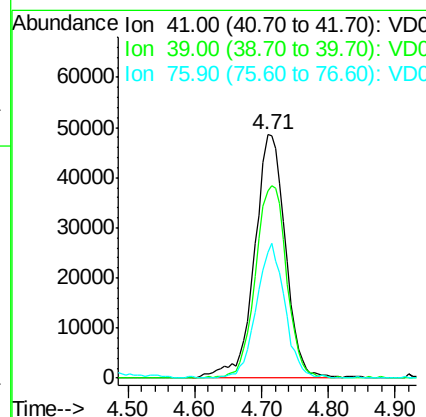
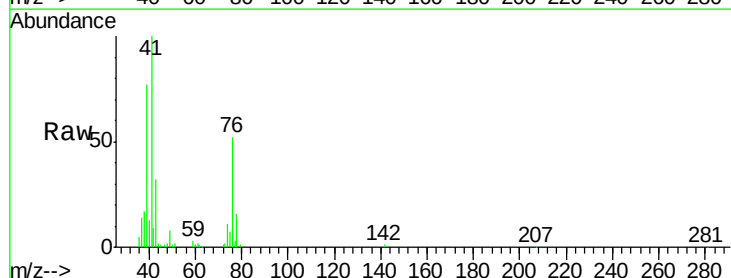
Tgt Ion: 41 Resp: 155034

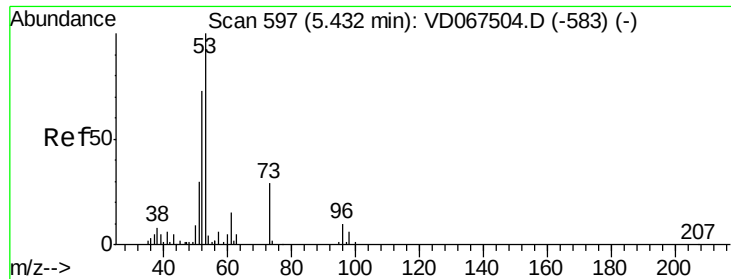
Ion Ratio Lower Upper

41 100

39 79.6 67.4 101.0

76 50.8 42.2 63.2





#15

Acrylonitrile

Concen: 256.299 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

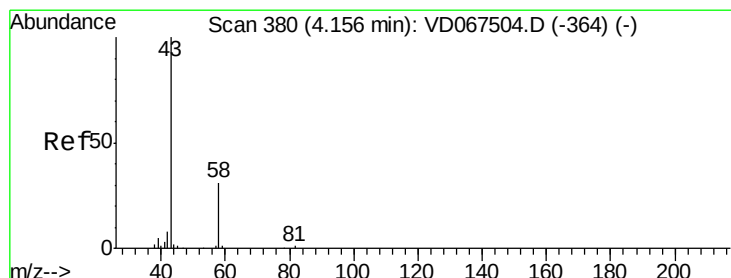
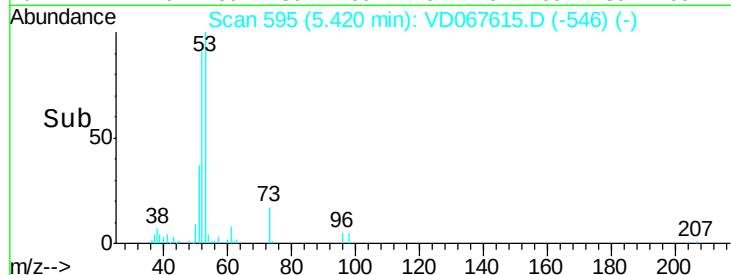
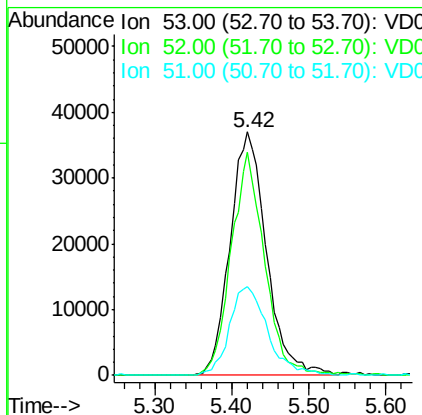
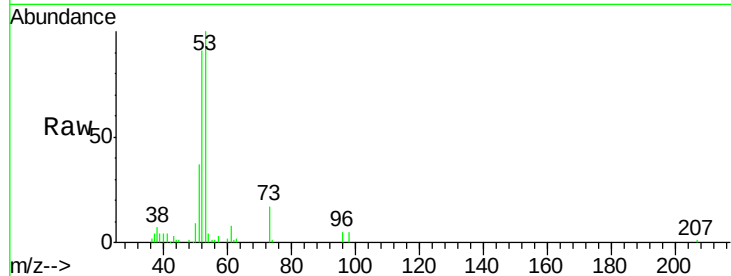
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	122320
Ion Ratio	Lower	Upper	
53	100		
52	83.9	64.8	97.2
51	38.3	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 294.997 ug/l

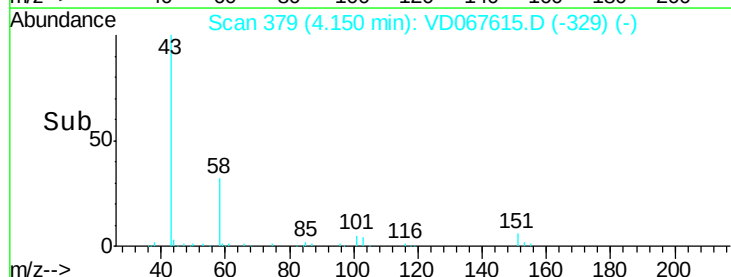
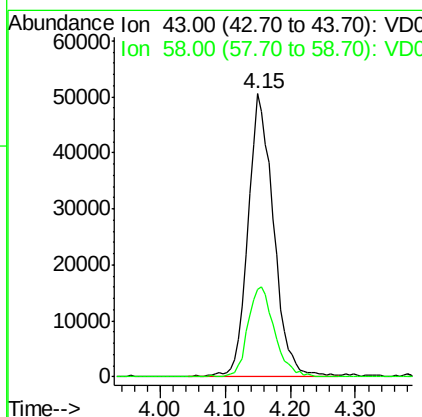
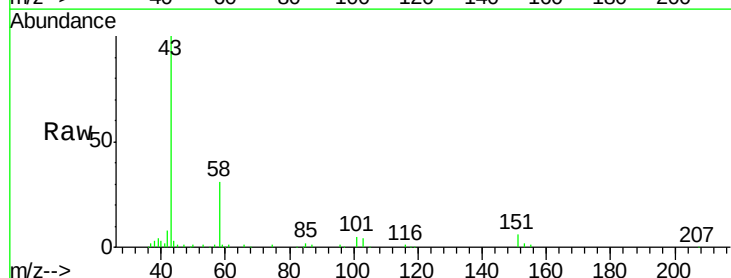
RT: 4.15 min Scan# 379

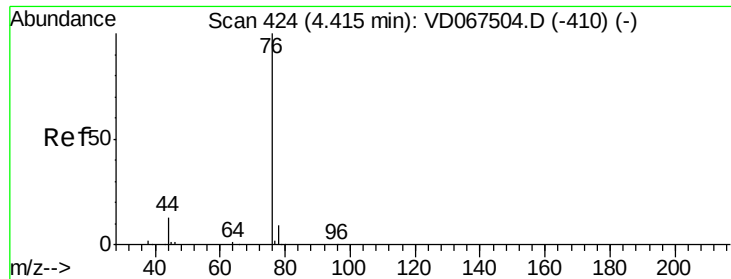
Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Tgt Ion:	43	Resp:	137581
Ion Ratio	Lower	Upper	
43	100		
58	31.0	25.2	37.8





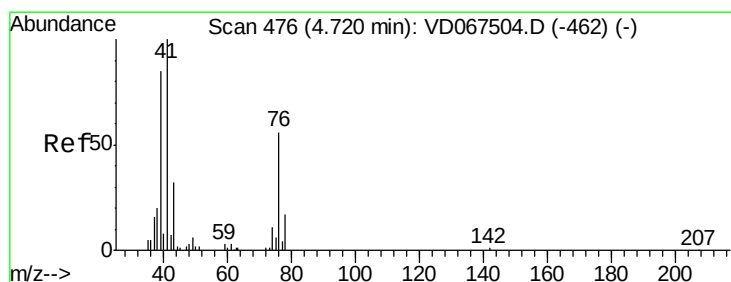
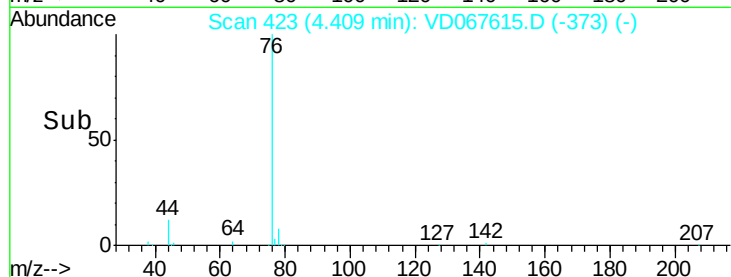
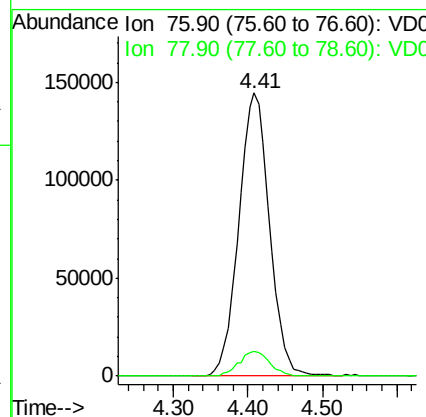
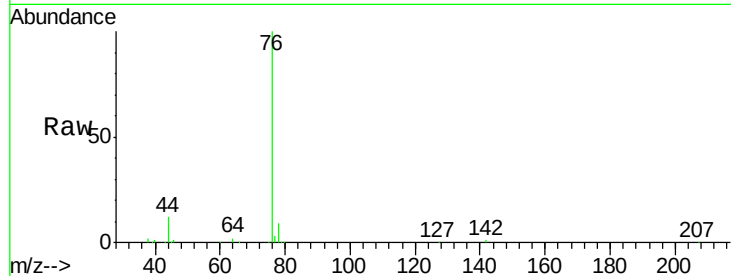
#17
Carbon Disulfide
Concen: 45.246 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

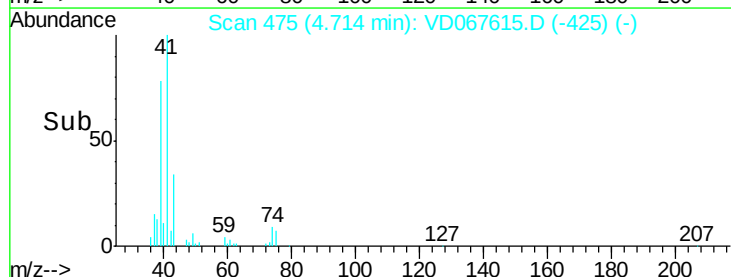
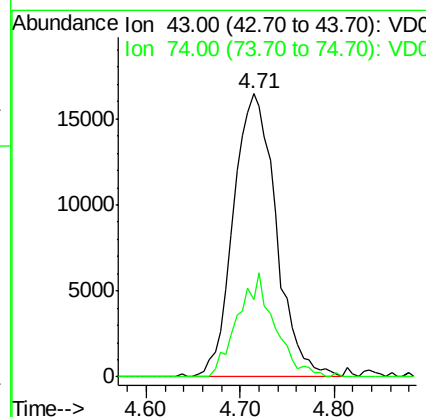
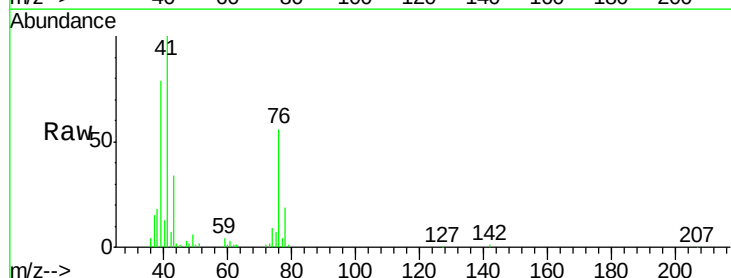
Manual Integrations
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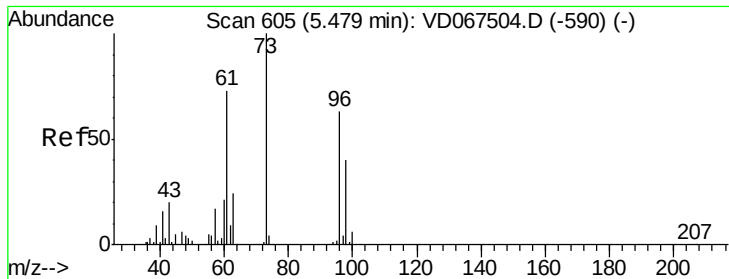
MMDadoda
11/16/2020 2:34:40 PM



#18
Methyl Acetate
Concen: 53.831 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.6	27.2	40.8





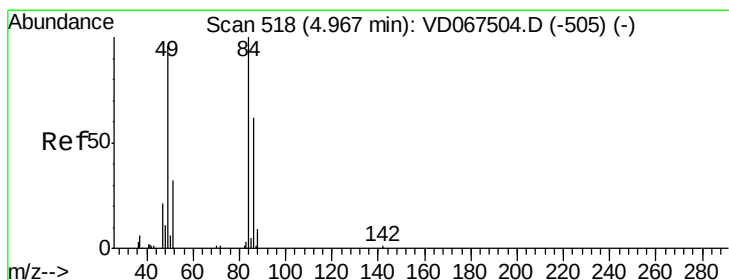
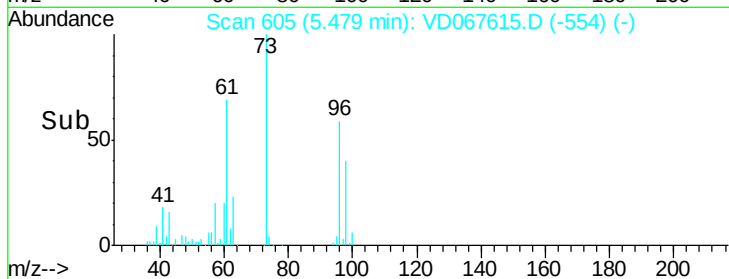
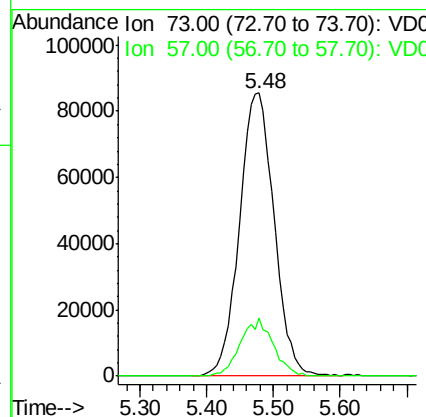
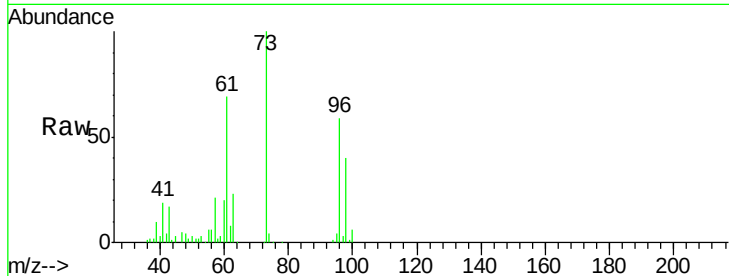
#19
Methyl tert-butyl Ether
Concen: 52.208 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 306365
Ion Ratio Lower Upper
73 100
57 20.7 13.4 20.0#

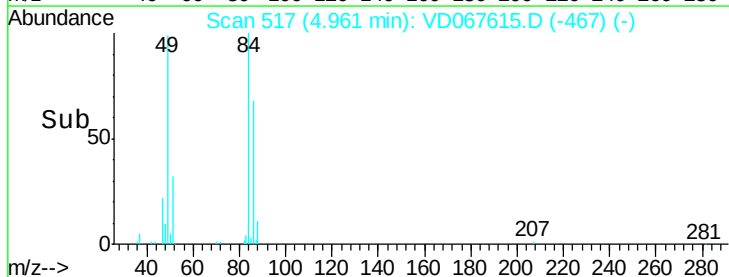
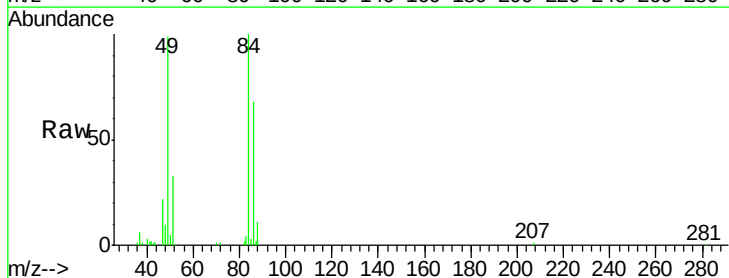
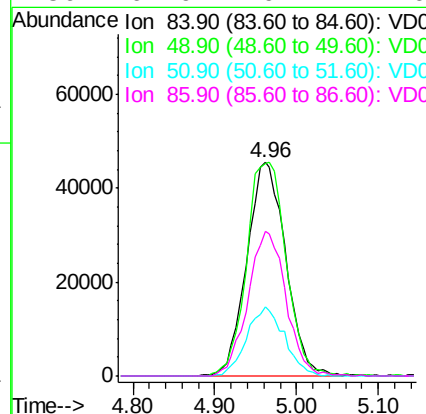
Manual Integrations
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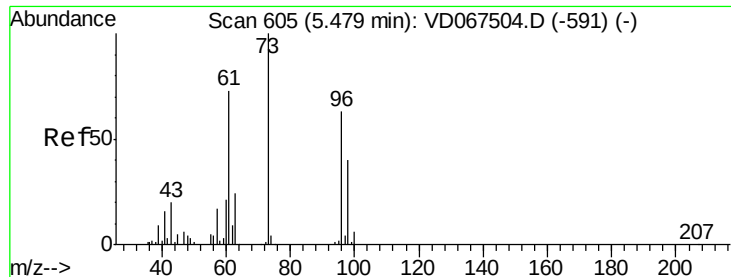
MMDadoda
11/16/2020 2:34:40 PM



#20
Methylene Chloride
Concen: 45.700 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion: 84 Resp: 150558
Ion Ratio Lower Upper
84 100
49 99.4 77.0 115.4
51 32.5 25.4 38.2
86 67.9 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 47.495 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

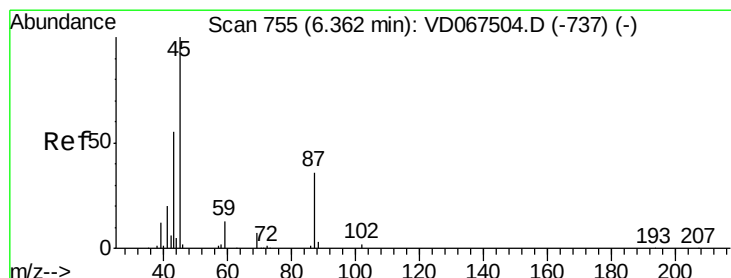
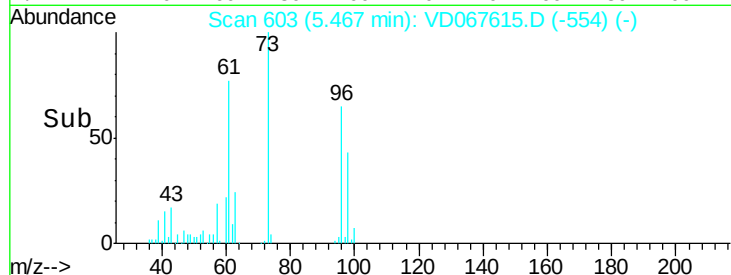
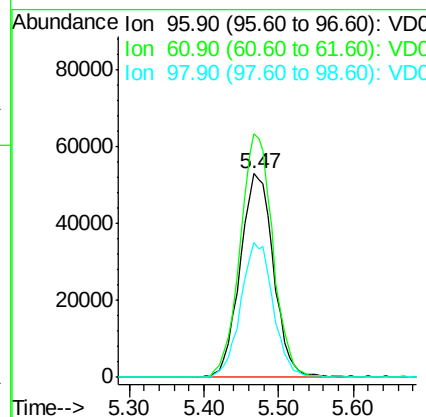
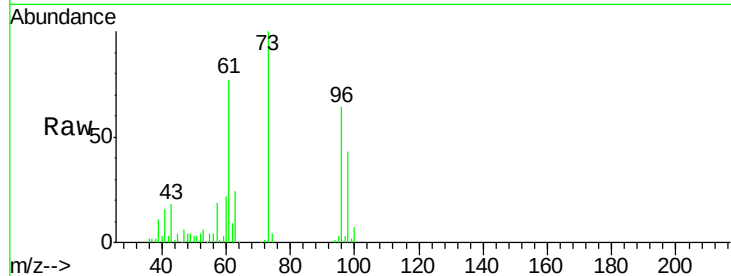
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	164572
Ion	Ratio	Lower	Upper
96	100		
61	119.6	93.0	139.6
98	66.0	50.9	76.3

Manual Integrations
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11/16/2020 2:34:40 PM



#22

Diisopropyl ether

Concen: 51.439 ug/l

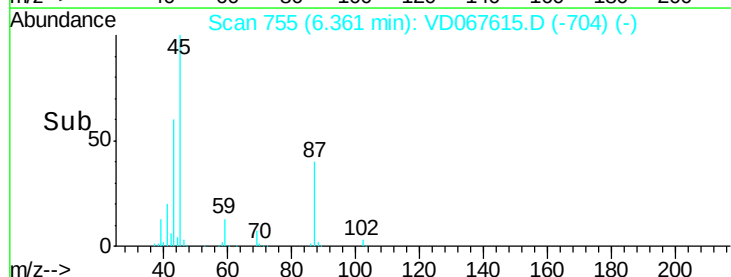
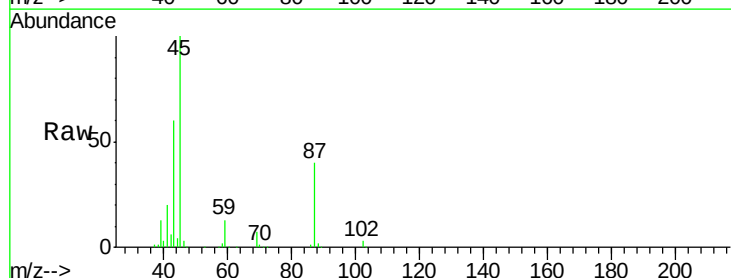
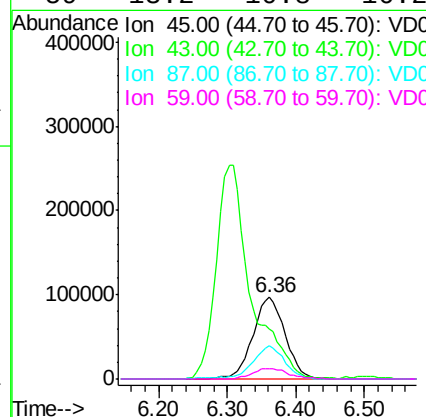
RT: 6.36 min Scan# 755

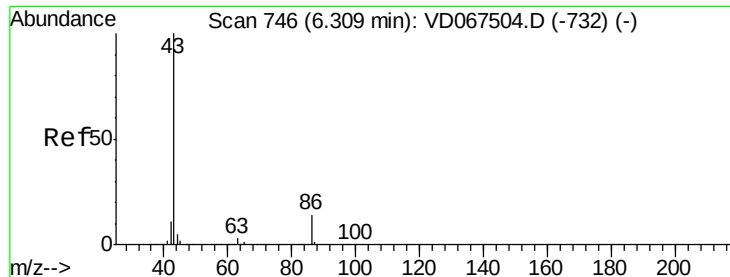
Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Tgt Ion:	45	Resp:	319163
Ion	Ratio	Lower	Upper
45	100		
43	59.6	46.2	69.4
87	39.9	29.4	44.2
59	13.2	10.8	16.2





#23

Vinyl Acetate

Concen: 273.795 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 889235

Ion Ratio Lower Upper

43 100

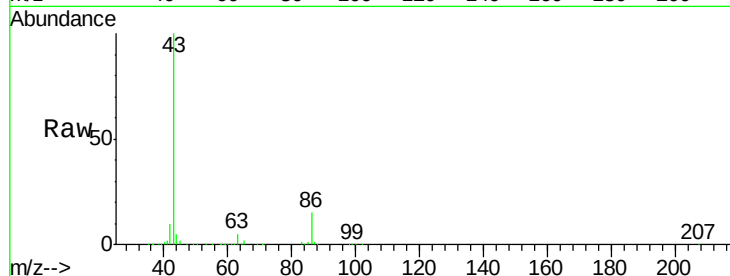
86 14.5 11.6 17.4

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

300000

250000

200000

150000

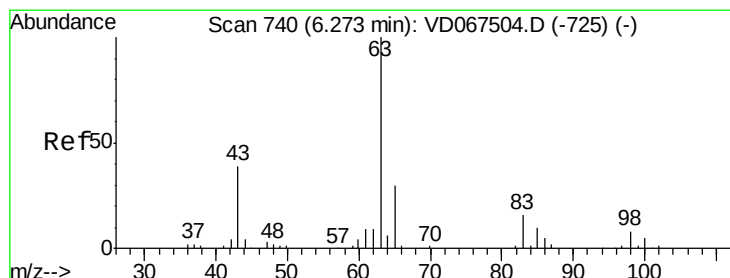
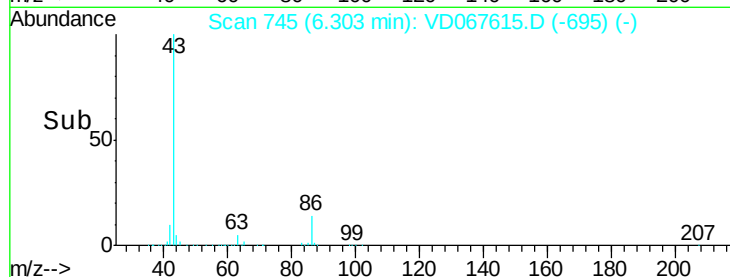
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 48.276 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

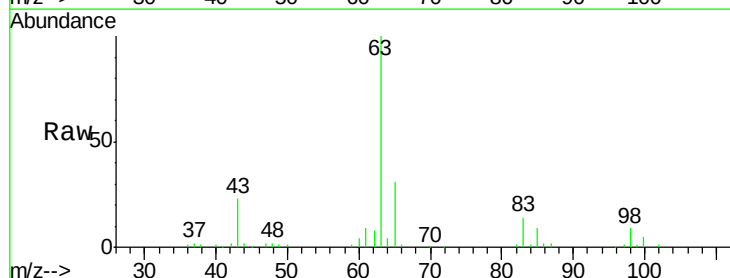
Tgt Ion: 63 Resp: 245044

Ion Ratio Lower Upper

63 100

98 8.8 3.9 11.5

100 5.5 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

100000

80000

60000

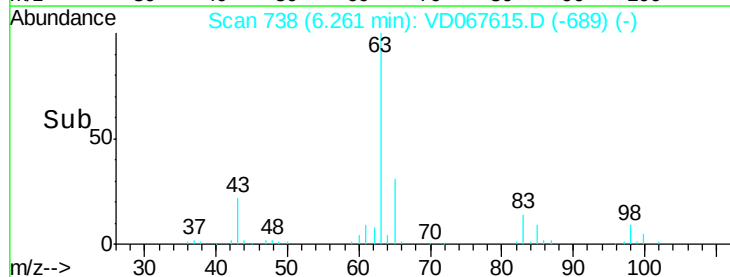
40000

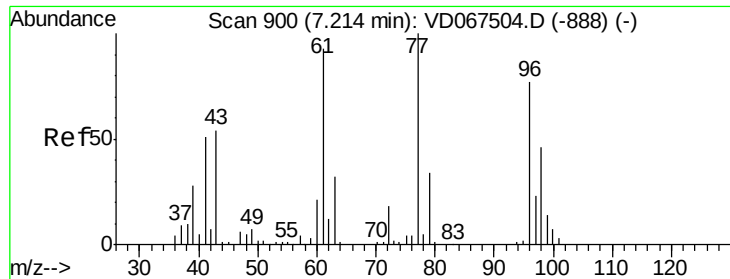
20000

0

6.10 6.20 6.30 6.40

Time-->





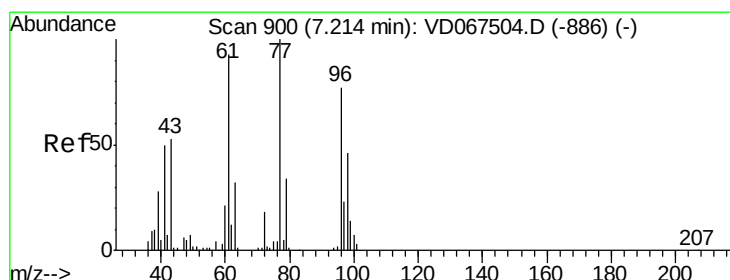
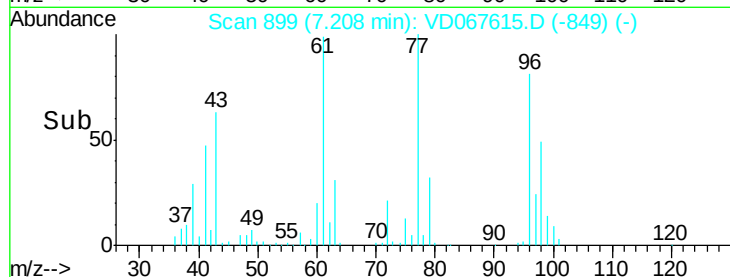
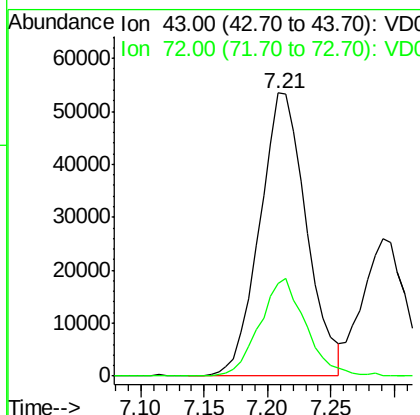
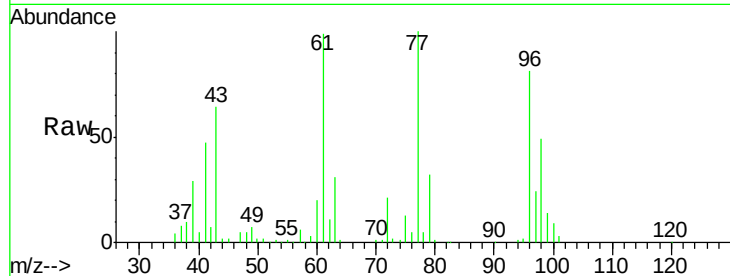
#25
 2-Butanone
 Concen: 276.544 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 137813
 Ion Ratio Lower Upper
 43 100
 72 32.6 26.4 39.6

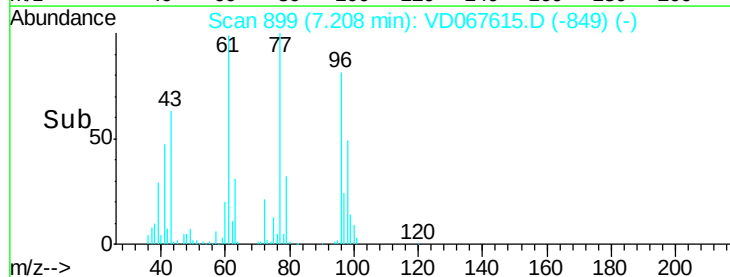
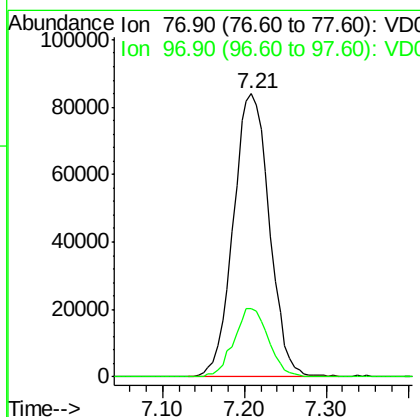
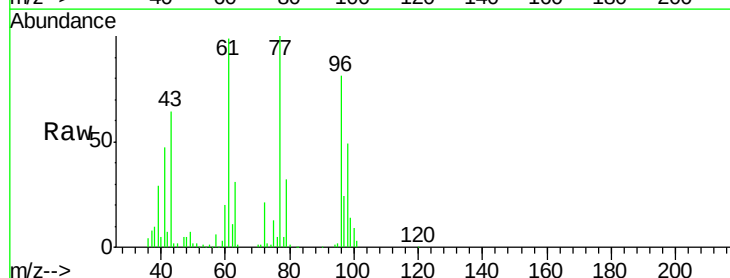
Manual Integrations
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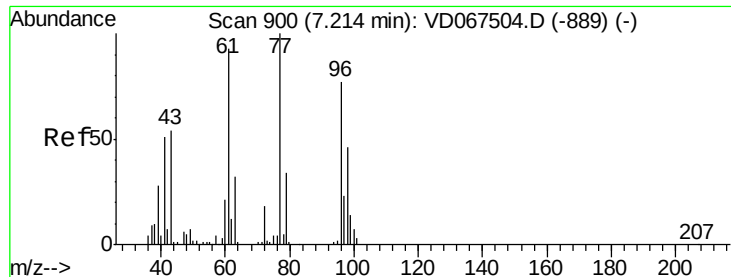
MMDadoda
 11/16/2020 2:34:40 PM



#26
 2,2-Dichloropropane
 Concen: 48.073 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion: 77 Resp: 257532
 Ion Ratio Lower Upper
 77 100
 97 23.3 11.1 33.3





#27

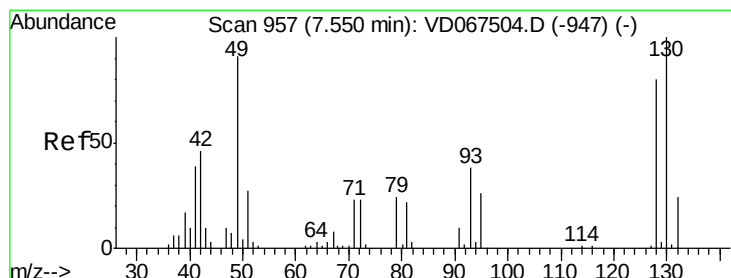
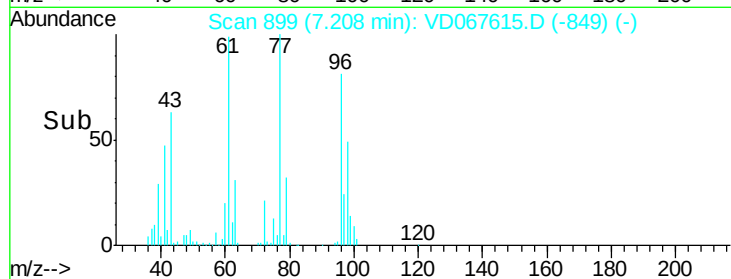
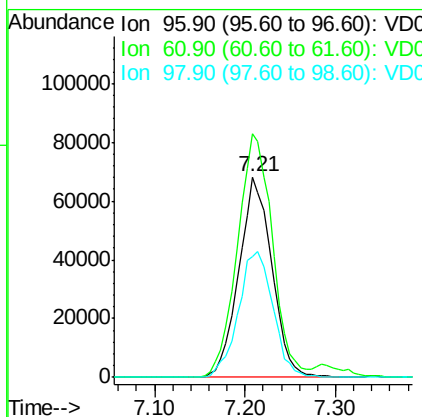
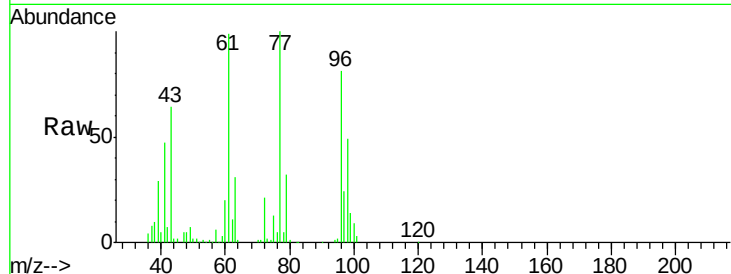
cis-1,2-Dichloroethene
 Concen: 48.046 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	251.6
98	65.9	0.0	128.0

Manual Integrations
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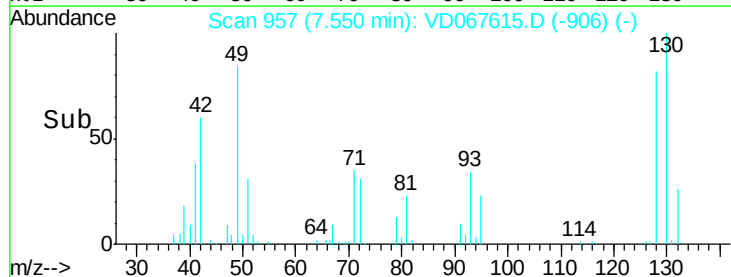
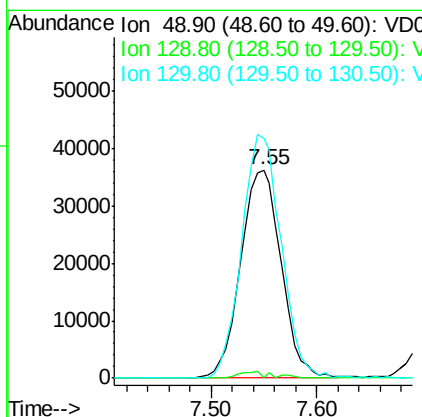
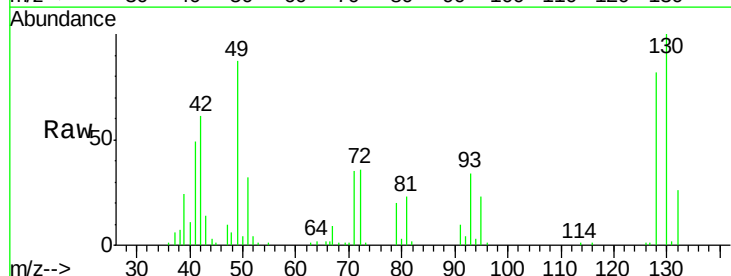
MMDadoda
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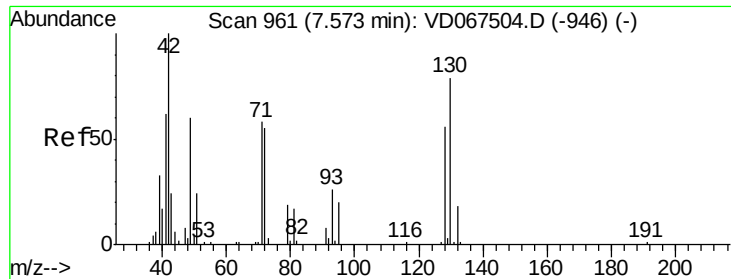


#28

Bromochloromethane
 Concen: 53.478 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	6.4
130	113.8	94.6	142.0





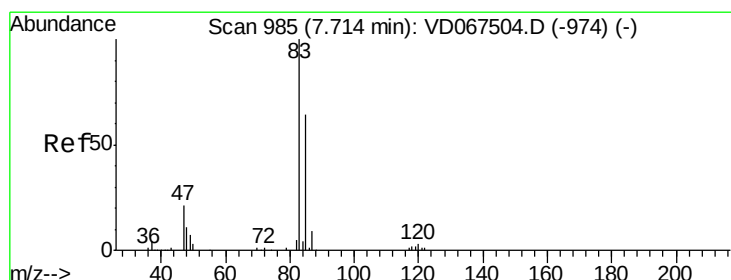
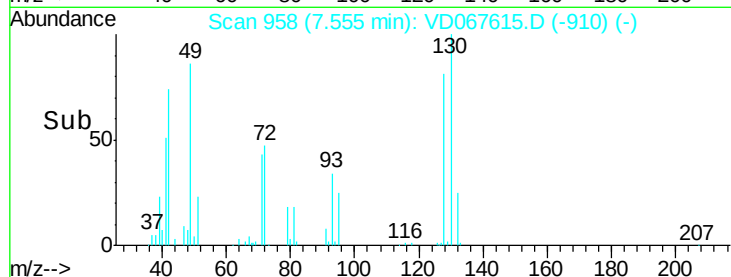
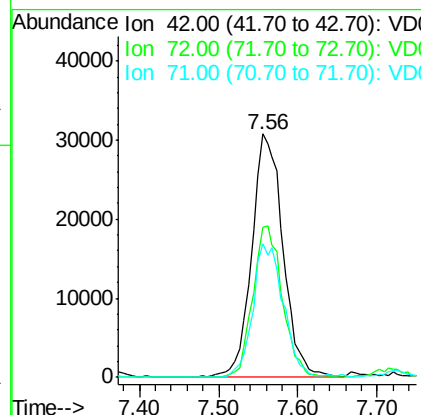
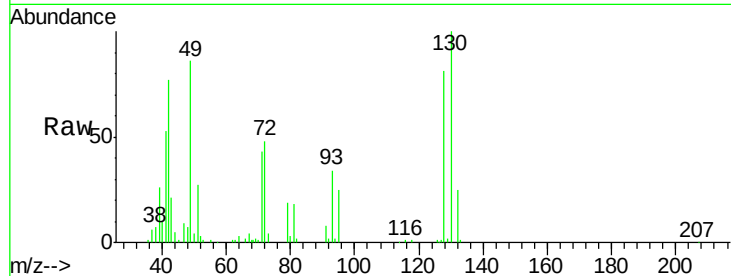
#29
Tetrahydrofuran
Concen: 282.444 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.02 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.9	46.3	69.5
71	53.4	44.0	66.0

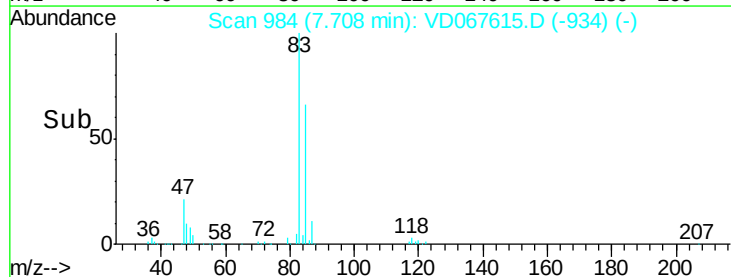
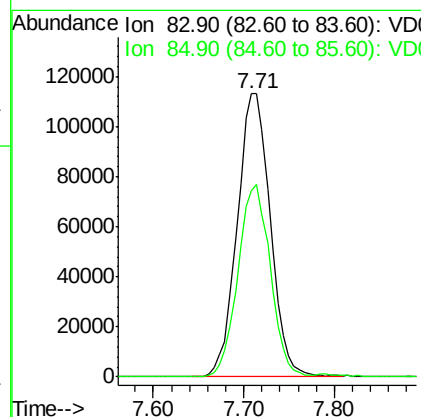
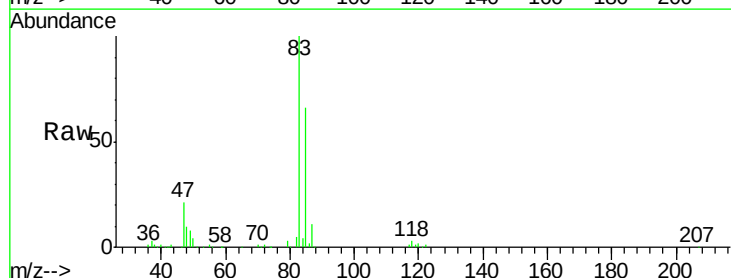
Manual Integrations
APPROVED

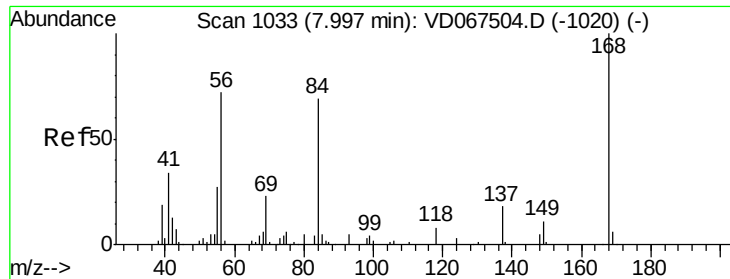
MMDadoda
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#30
Chloroform
Concen: 47.420 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





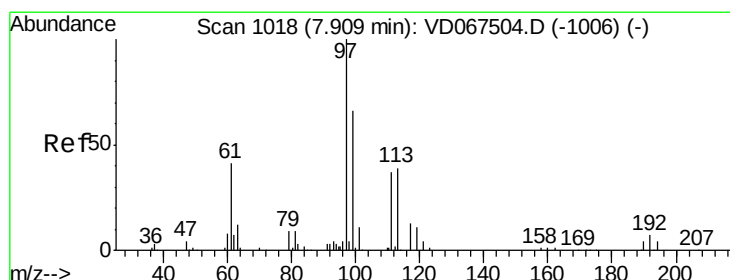
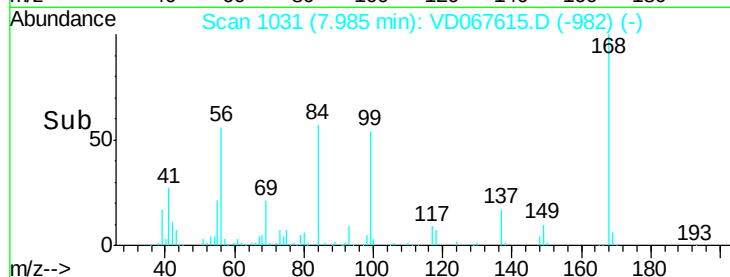
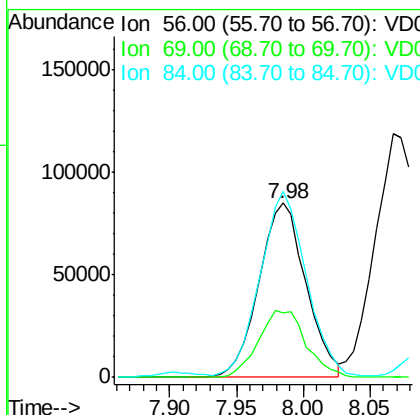
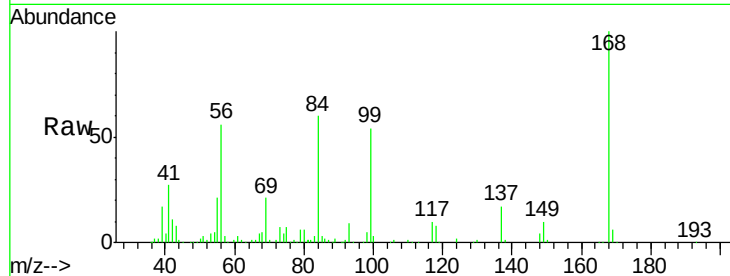
#31
Cyclohexane
Concen: 45.837 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	25.9	38.9
84	104.4	76.2	114.4

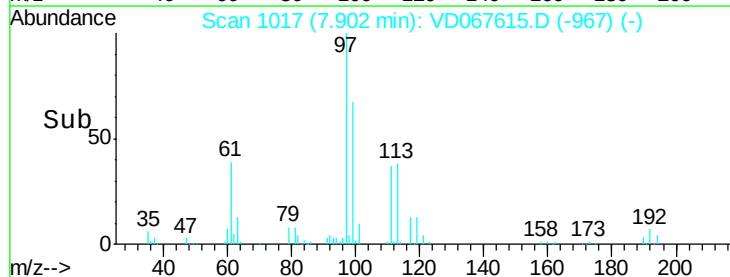
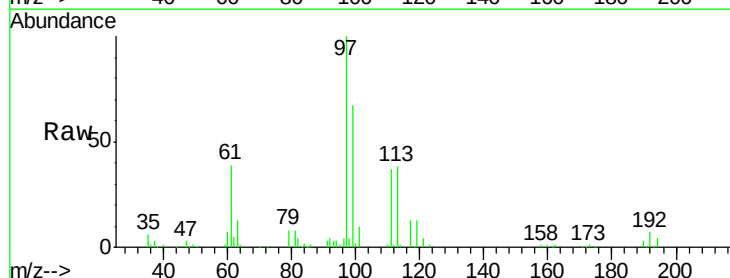
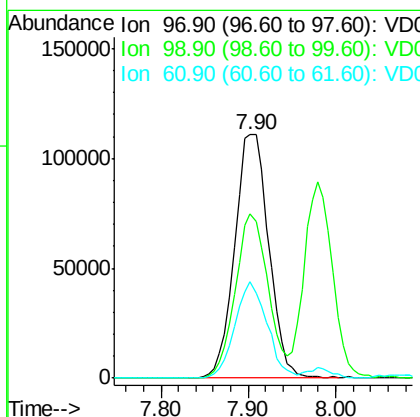
Manual Integrations
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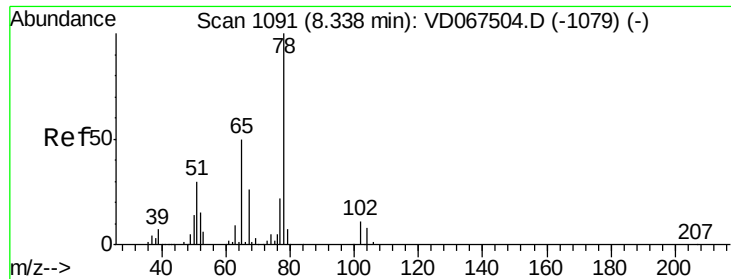
MMDadoda
11/16/2020 2:34:40 PM



#32
1,1,1-Trichloroethane
Concen: 46.874 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
97	100		
61	65.0	51.8	77.6
113	37.3	30.5	45.7





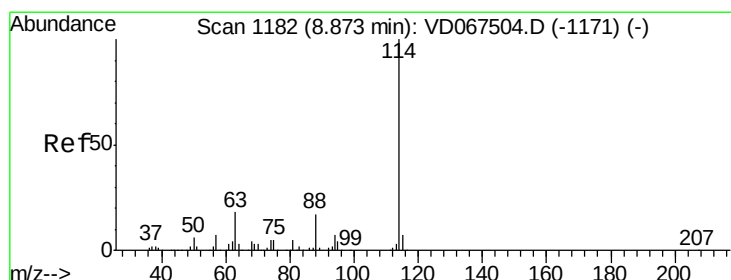
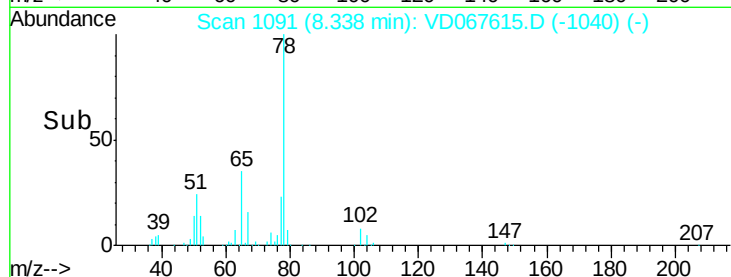
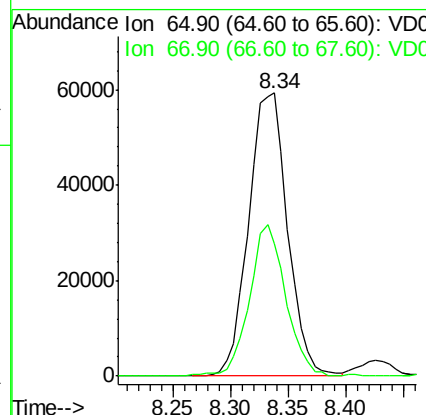
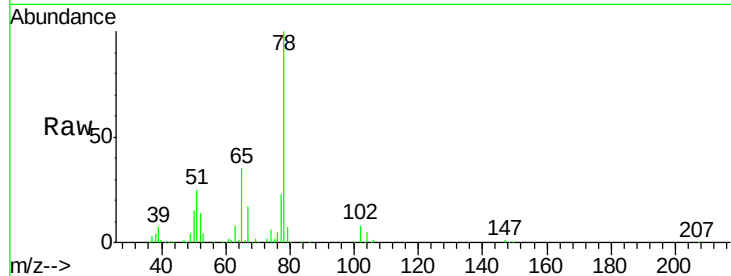
#33
 1,2-Dichloroethane-d4
 Concen: 44.758 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	139494		
67	49.6	0.0	99.4	

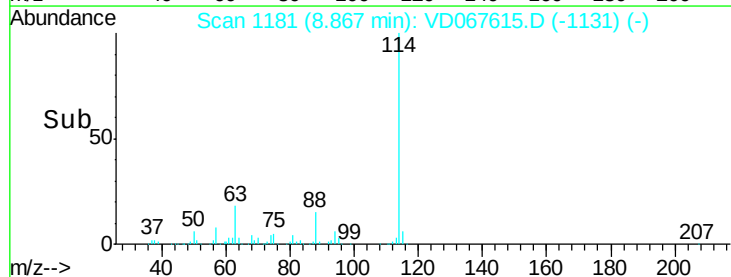
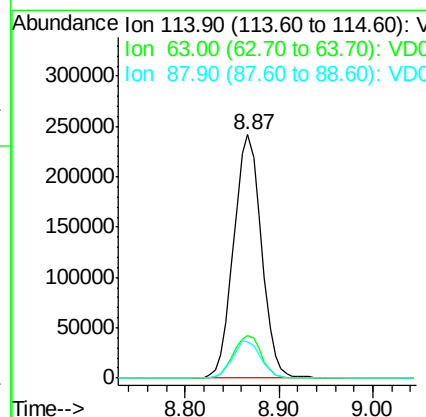
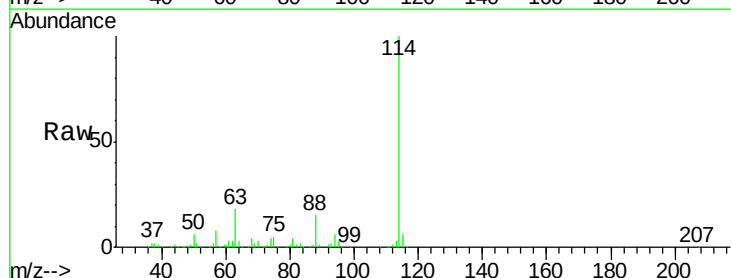
Manual Integrations
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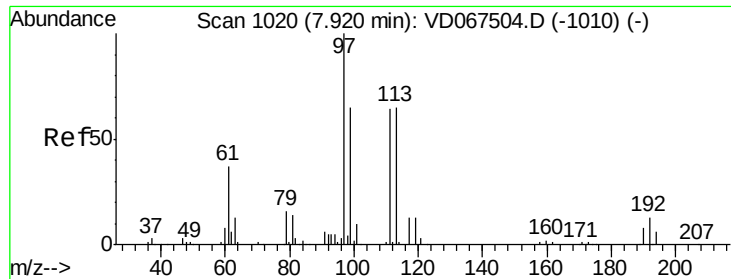
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	497932		
63	17.6	0.0	35.0	
88	15.1	0.0	33.0	





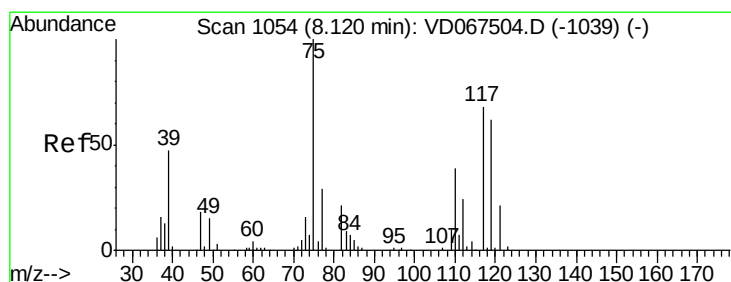
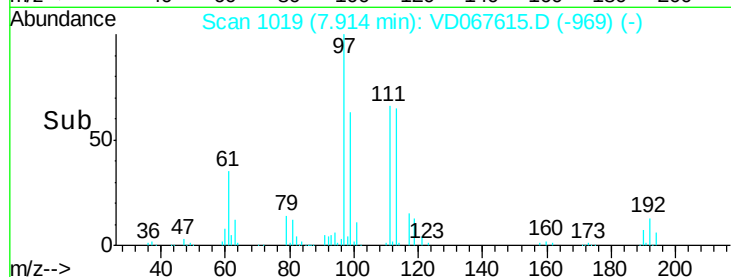
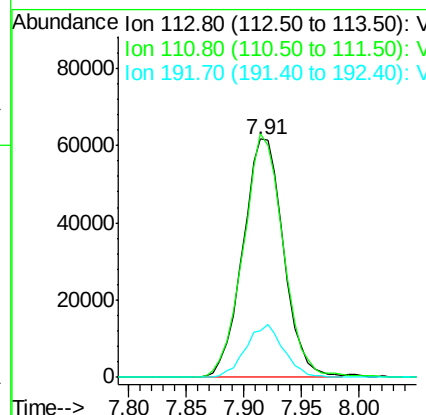
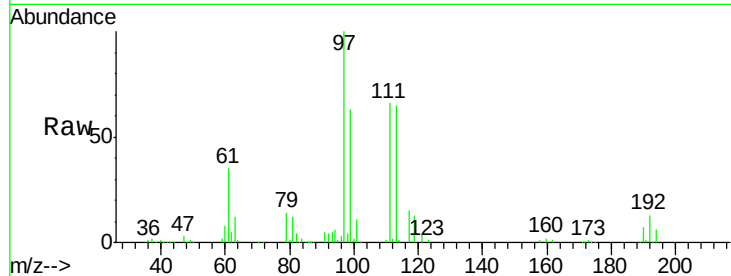
#35
 Dibromofluoromethane
 Concen: 50.329 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150989		
111	101.1	80.0	120.0	
192	20.6	16.3	24.5	

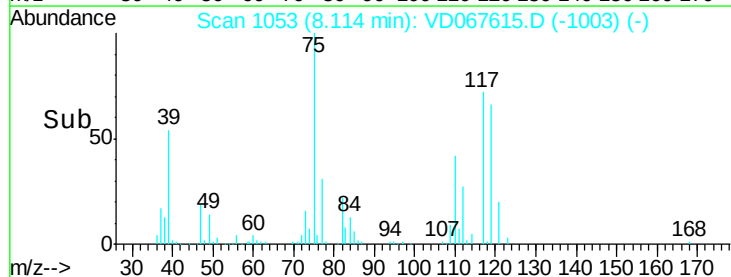
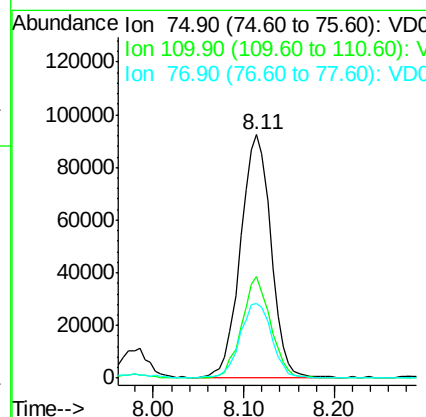
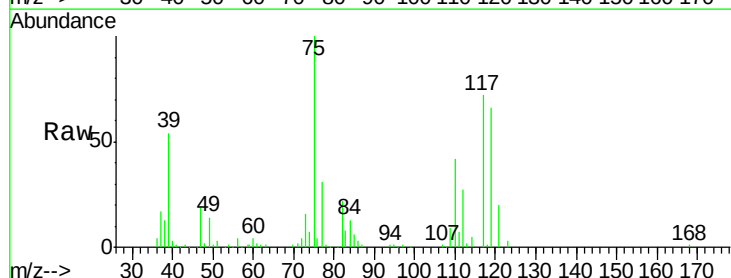
Manual Integrations
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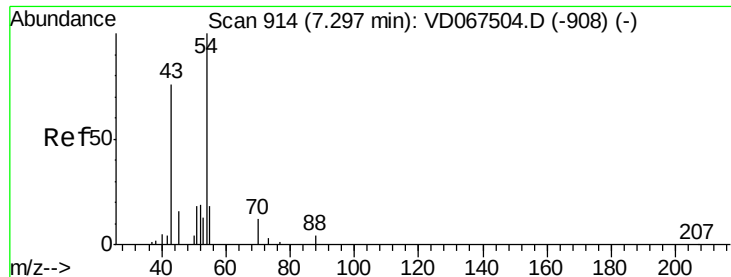
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#36
 1,1-Dichloropropene
 Concen: 50.316 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	214458		
110	39.9	19.9	59.7	
77	32.3	24.8	37.2	





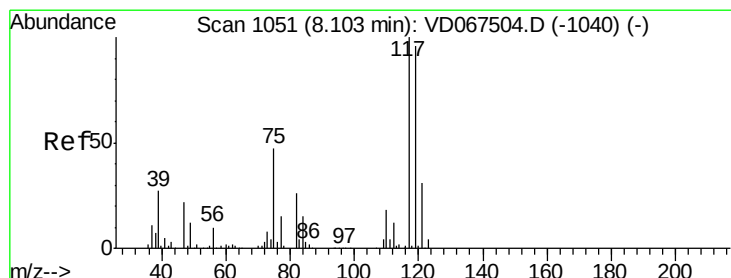
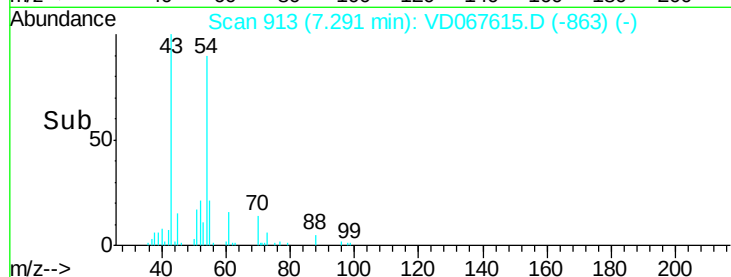
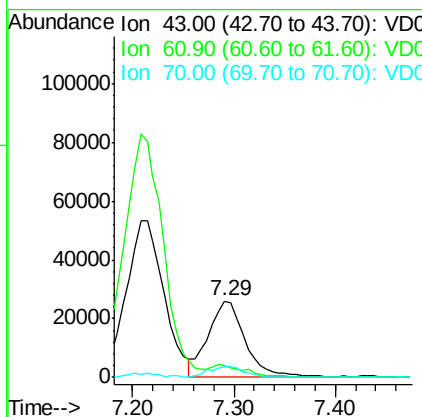
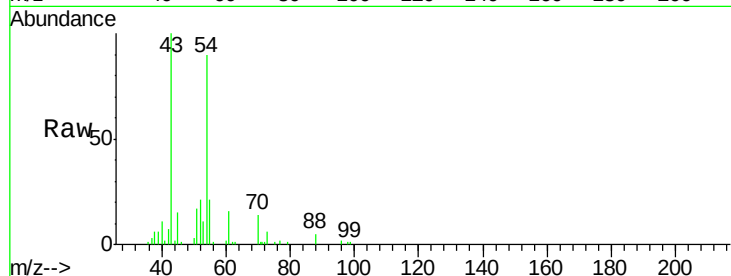
#37
Ethyl Acetate
Concen: 58.806 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	12.8	19.2#
70	14.5	11.7	17.5

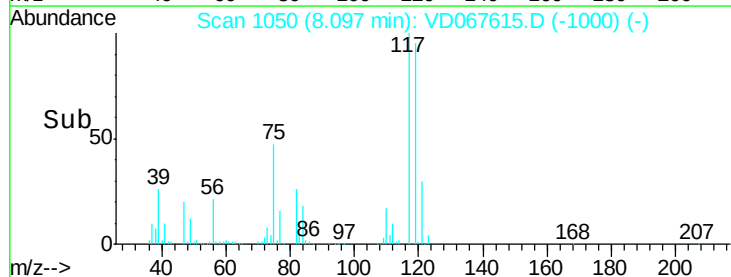
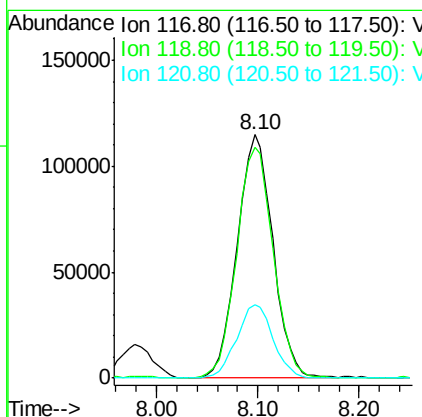
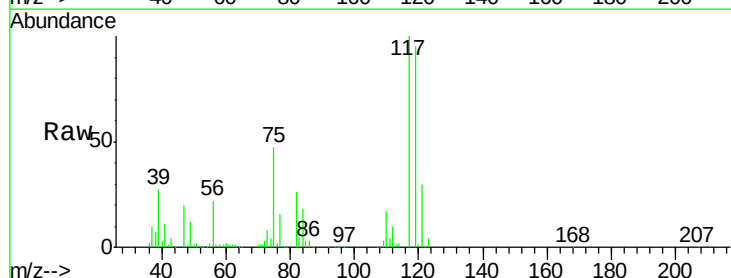
Manual Integrations
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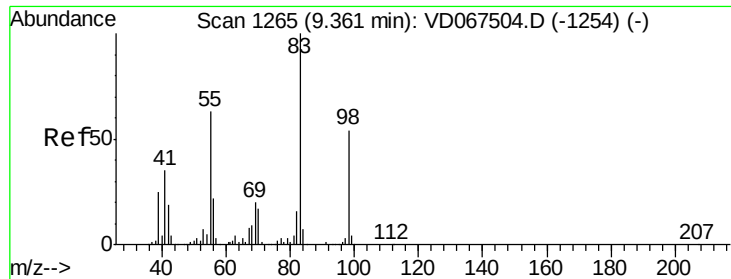
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#38
Carbon Tetrachloride
Concen: 50.222 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.9	115.3
121	30.1	24.5	36.7





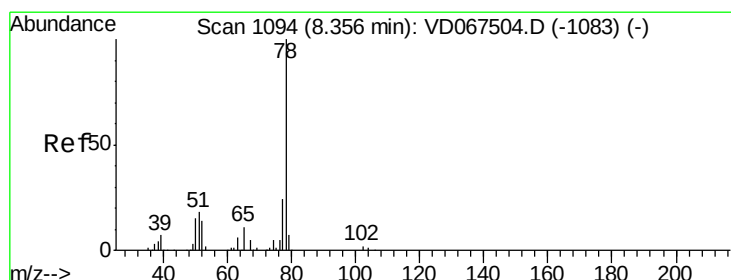
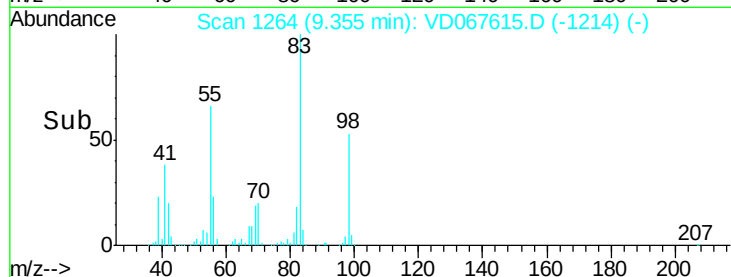
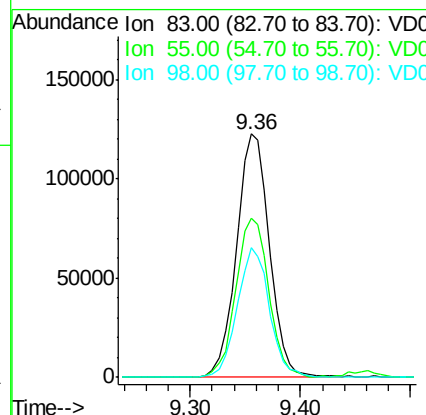
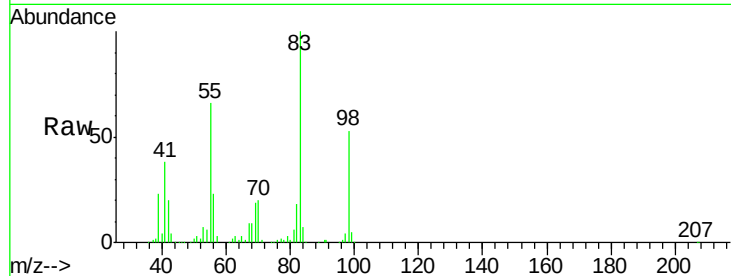
#39
Methylvlcyclohexane
Concen: 51.271 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.4	50.5	75.7
98	53.2	43.4	65.0

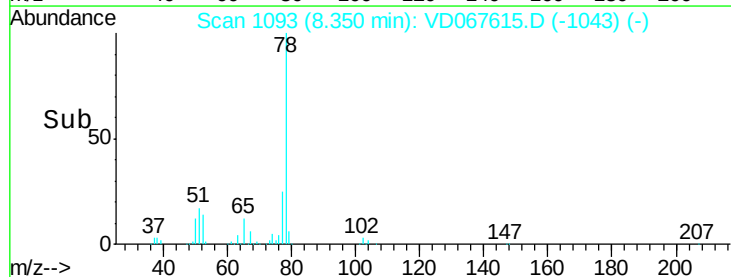
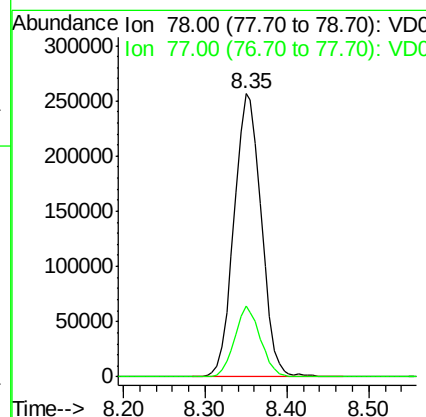
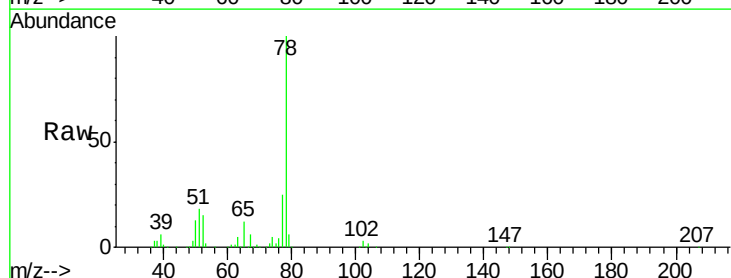
Manual Integrations
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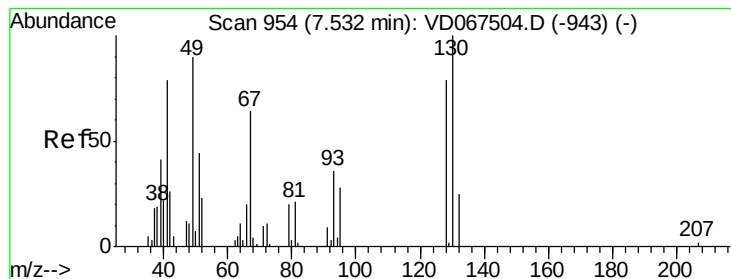
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#40
Benzene
Concen: 51.616 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.1	28.7





#41

Methacrylonitrile

Concen: 59.610 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 39428

Ion Ratio Lower Upper

41 100

39 47.8 51.3 76.9#

67 83.4 78.9 118.3

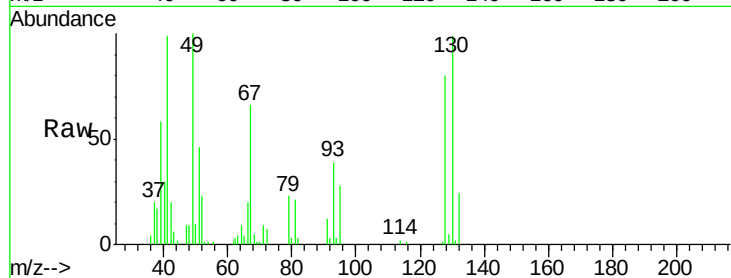
52 33.1 31.4 47.2

Manual Integrations

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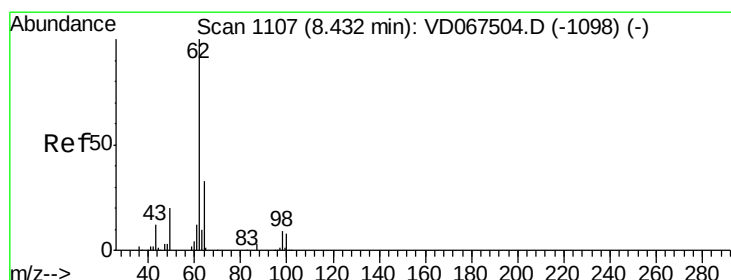
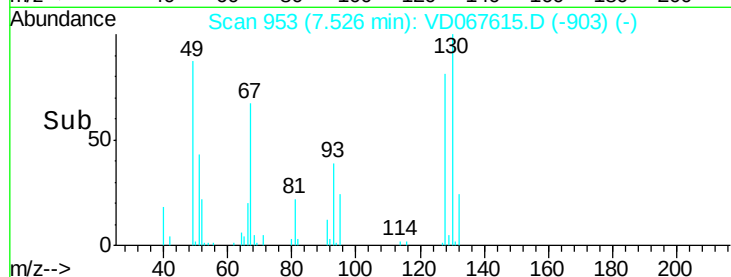
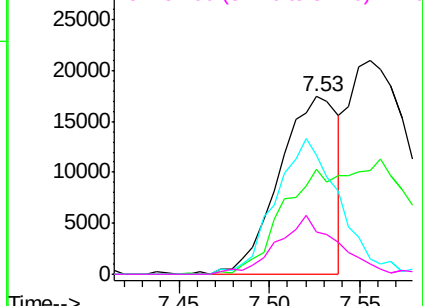


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 50.331 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067615.D

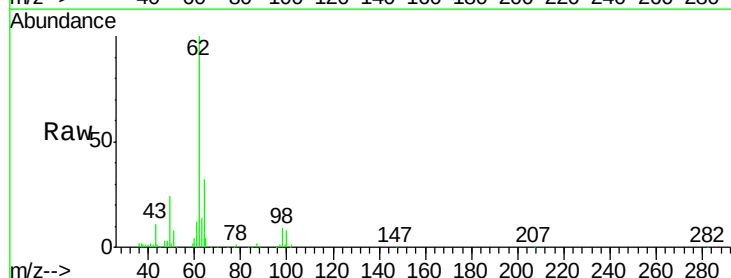
Acq: 12 Nov 2020 09:51

Tgt Ion: 62 Resp: 179536

Ion Ratio Lower Upper

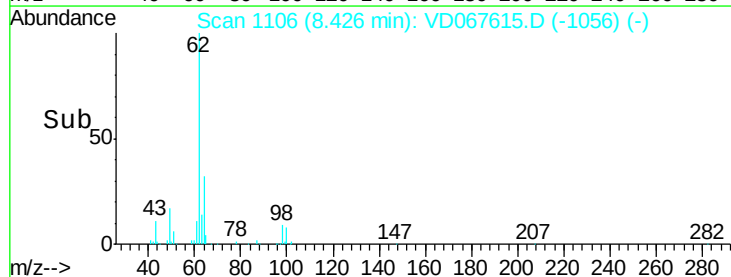
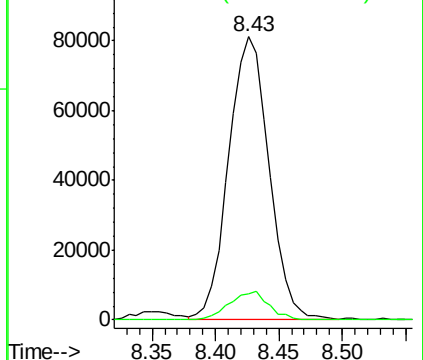
62 100

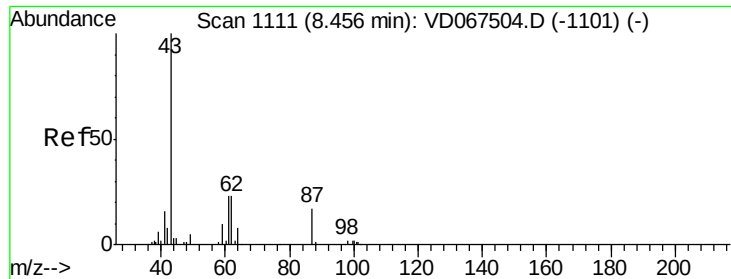
98 9.8 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





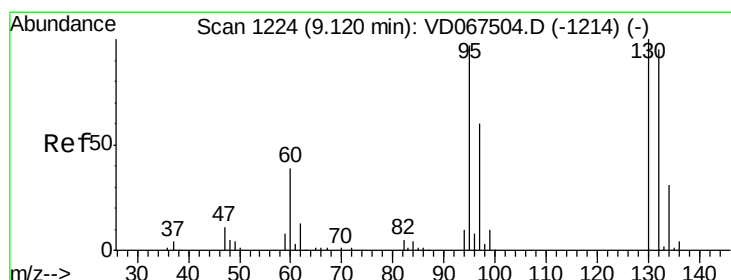
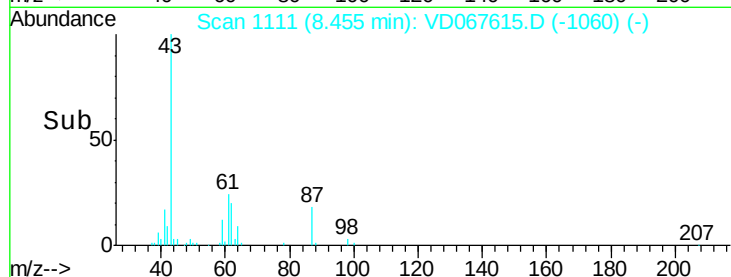
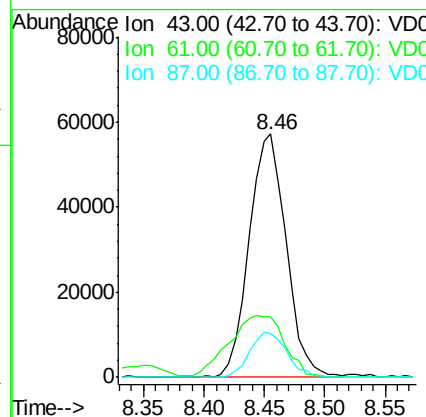
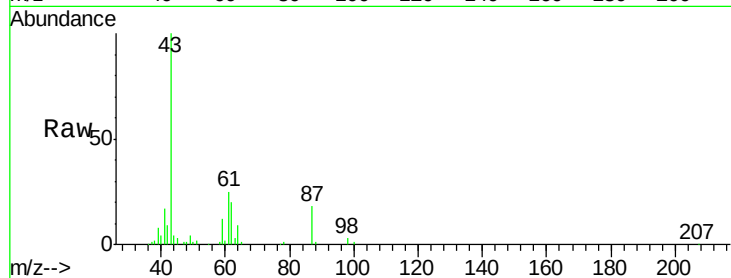
#43
Isopropyl Acetate
Concen: 56.050 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	38.0	30.5	45.7
87	18.8	14.7	22.1

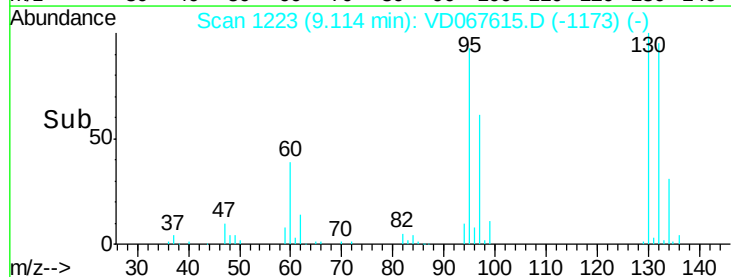
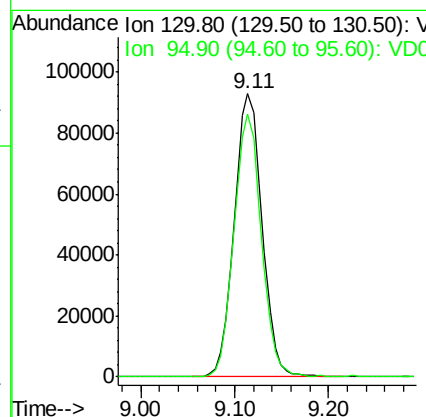
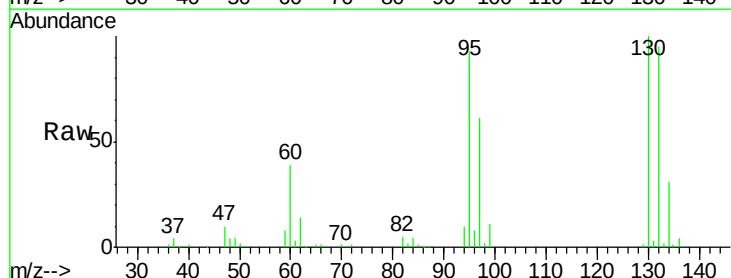
Manual Integrations
APPROVED

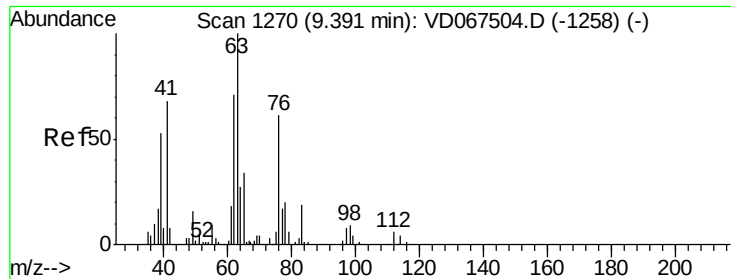
MMDadoda
11/16/2020 2:34:40 PM



#44
Trichloroethene
Concen: 50.413 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	194.4





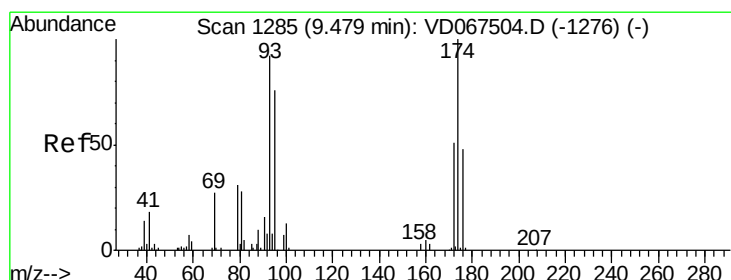
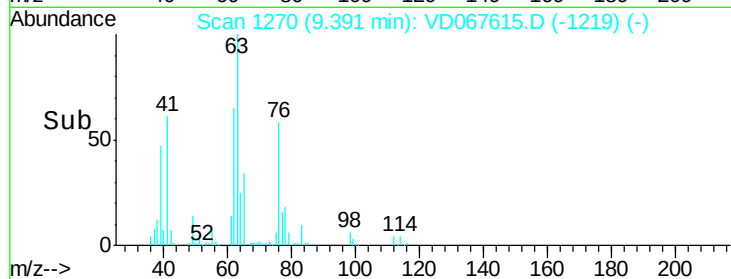
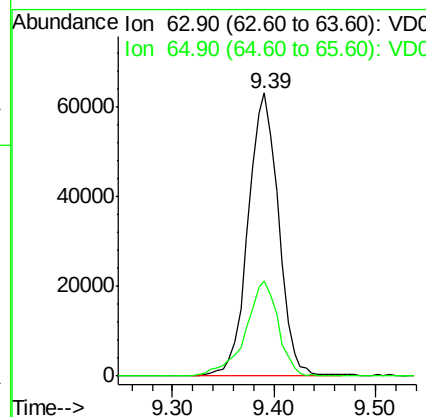
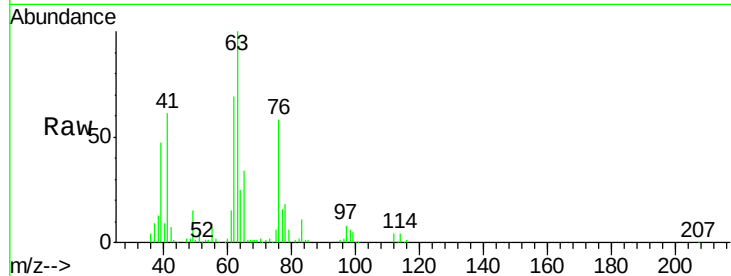
#45
 1,2-Dichloropropane
 Concen: 52.627 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.9	26.9	40.3

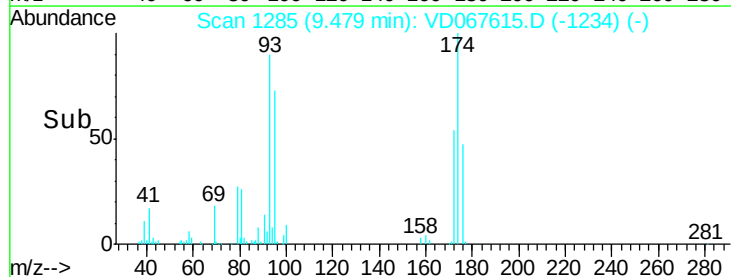
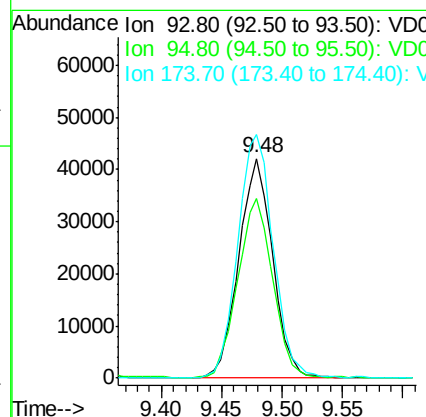
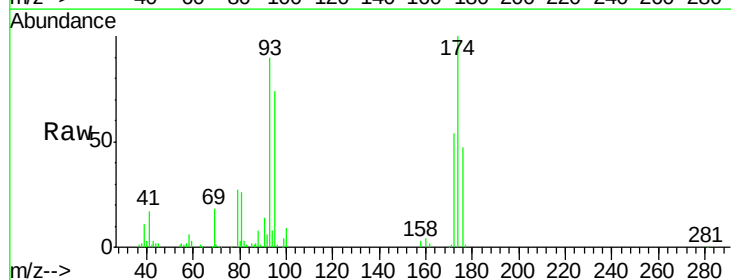
Manual Integrations
 APPROVED

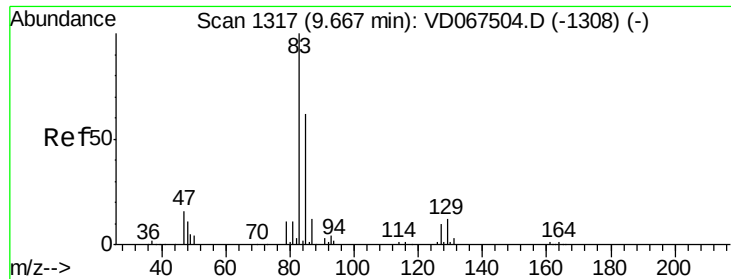
MMDadoda
 11/16/2020 2:34:40 PM



#46
 Dibromomethane
 Concen: 51.943 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.0	66.4	99.6
174	116.2	88.2	132.4





#47

Bromodichloromethane

Concen: 52.004 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

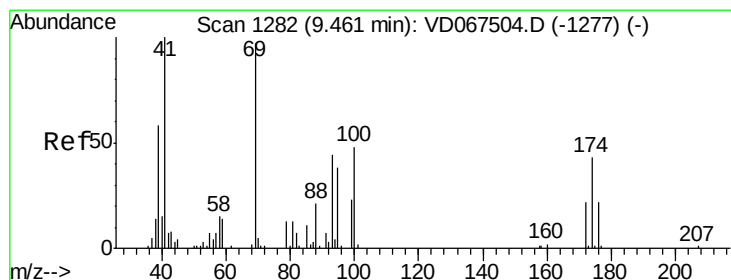
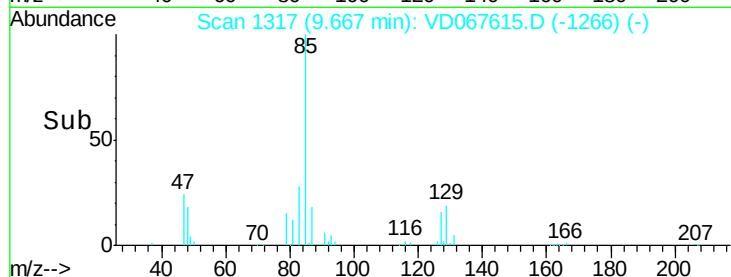
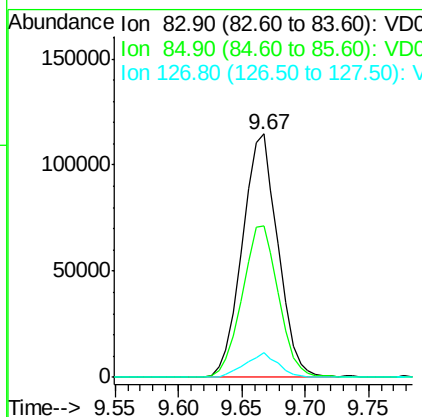
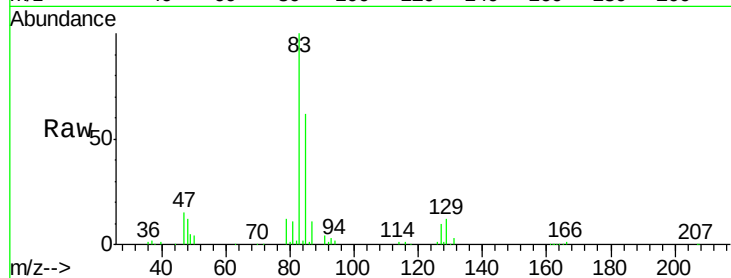
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	224340
Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.4	74.2
127	10.0	7.7	11.5

Manual Integrations
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MMDadoda
11/16/2020 2:34:40 PM



#48

Methyl methacrylate

Concen: 58.845 ug/l

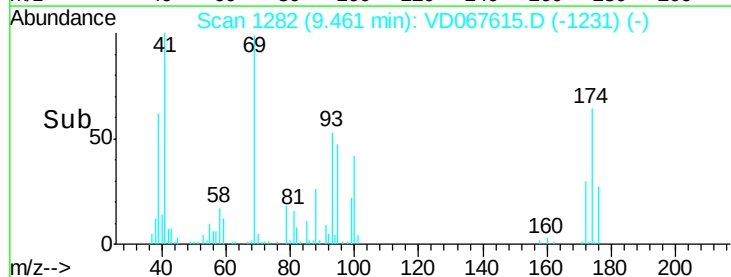
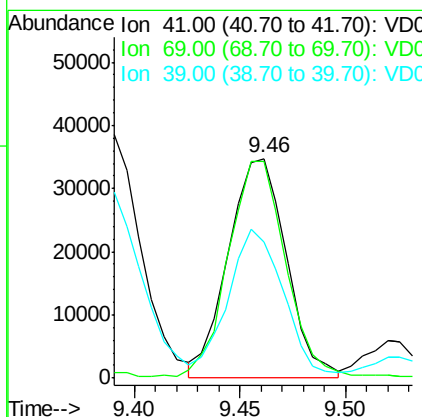
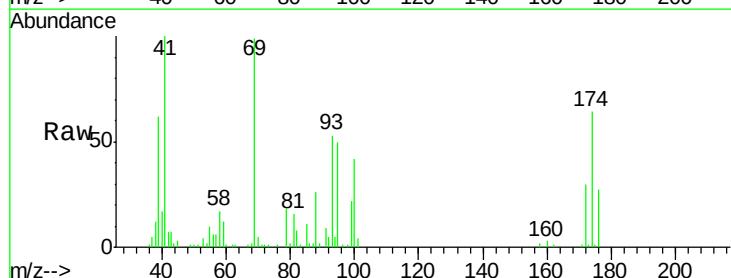
RT: 9.46 min Scan# 1282

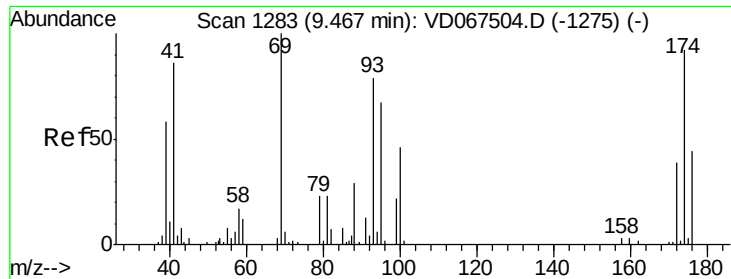
Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Tgt Ion:	41	Resp:	66491
Ion	Ratio	Lower	Upper
41	100		
69	99.0	80.6	121.0
39	60.1	50.2	75.4





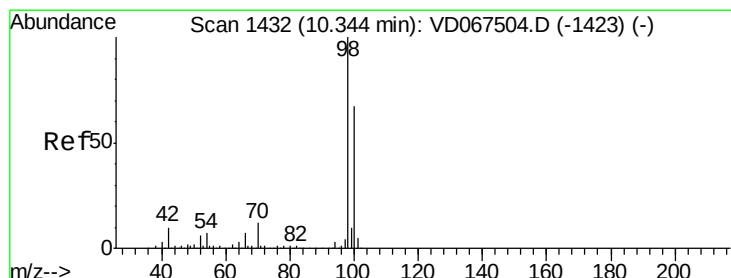
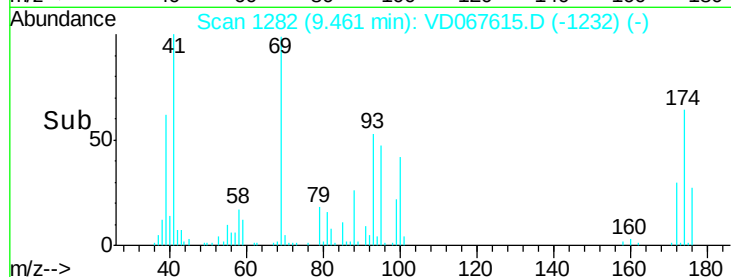
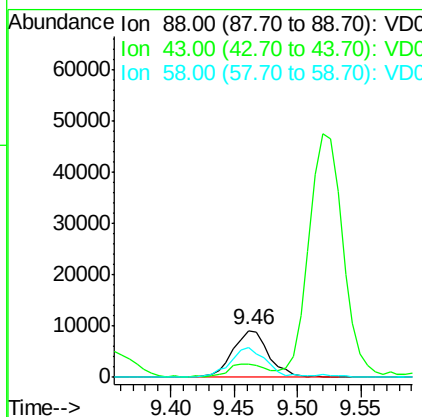
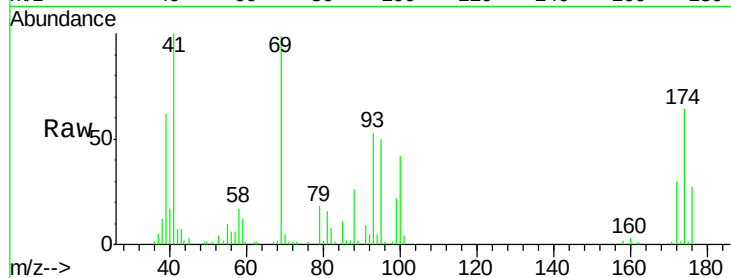
#49
1,4-Dioxane
Concen: 1118.159 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	18016
Ion	Ratio	Lower	Upper
88	100		
43	31.8	23.6	35.4
58	64.7	44.7	67.1

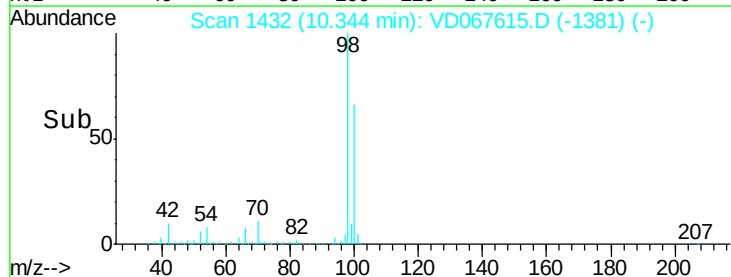
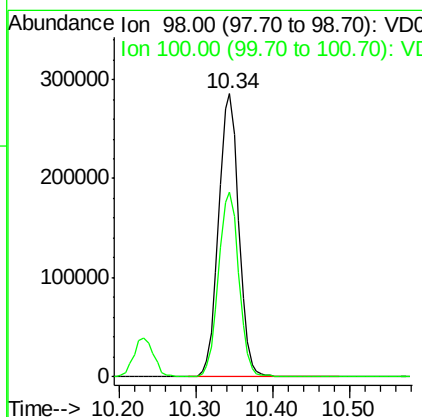
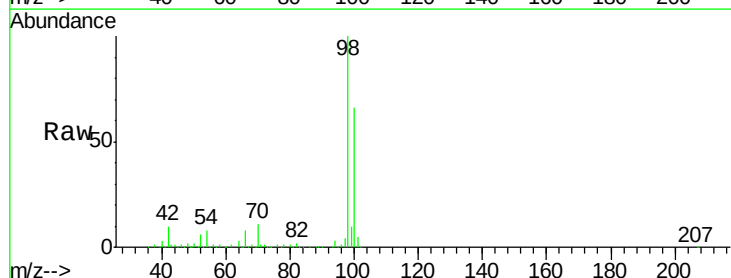
Manual Integrations
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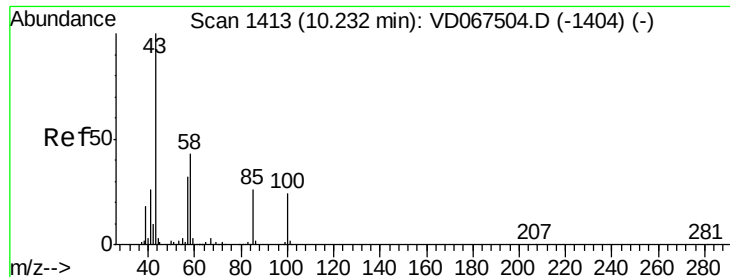
MMDadoda
11/16/2020 2:34:40 PM



#50
Toluene-d8
Concen: 49.246 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	98	Resp	519190
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.6





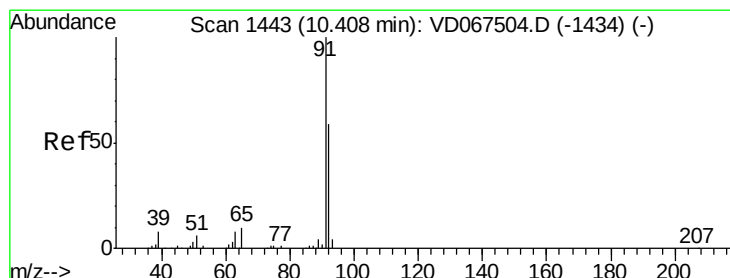
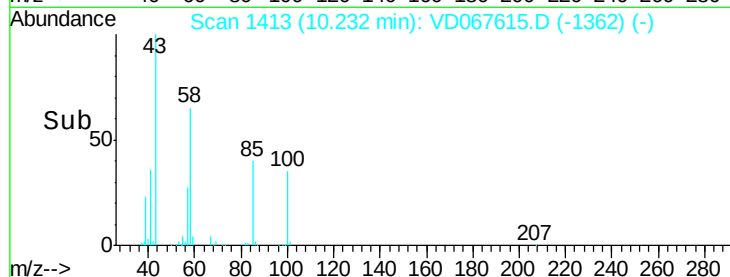
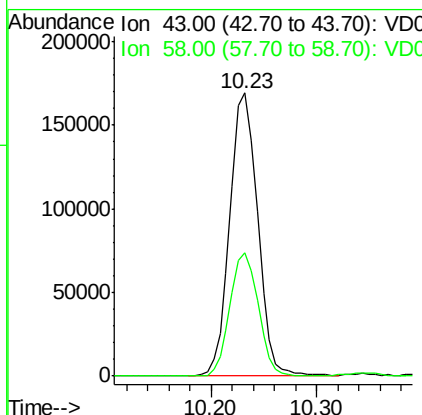
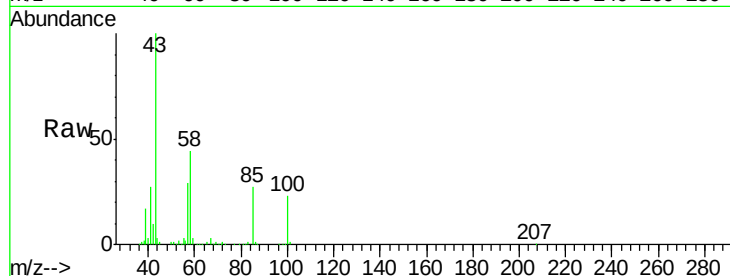
#51
4-Methyl-2-Pentanone
Concen: 296.432 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.3	35.6	53.4

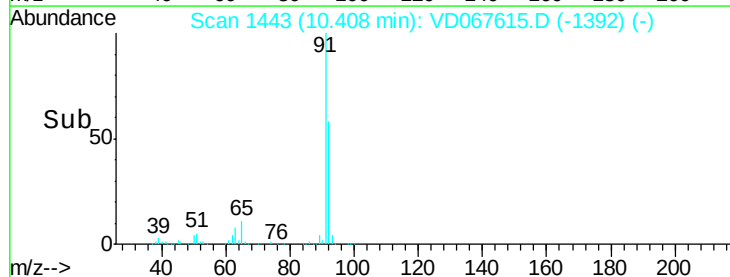
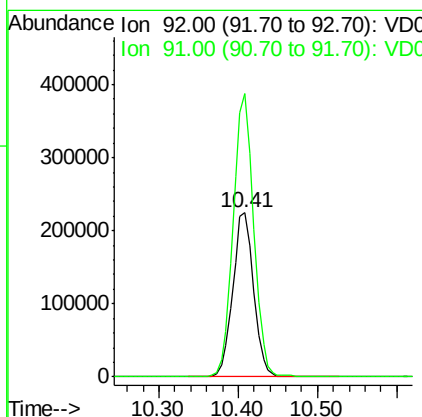
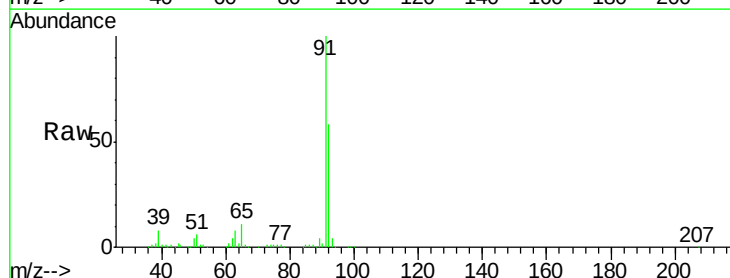
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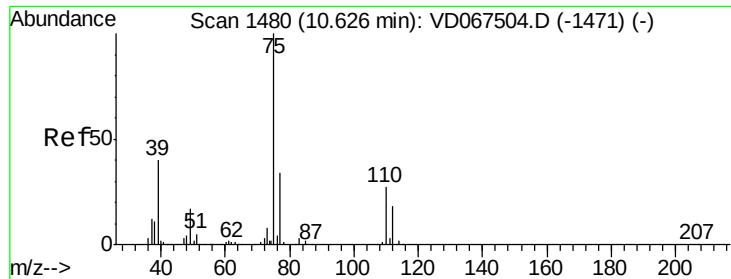
MMDadoda
11/16/2020 2:34:40 PM



#52
Toluene
Concen: 52.762 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.6	137.0	205.6





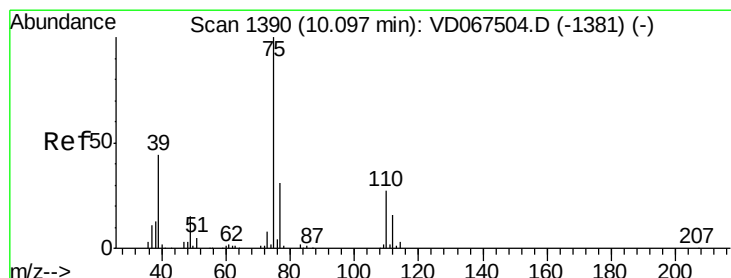
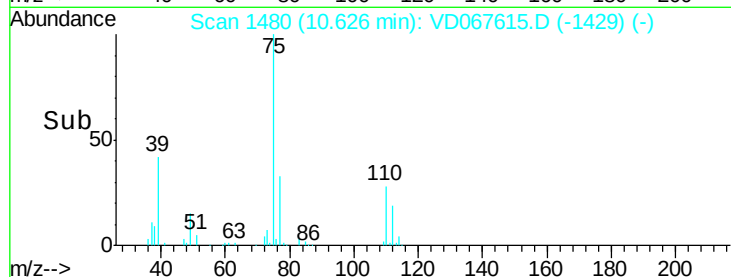
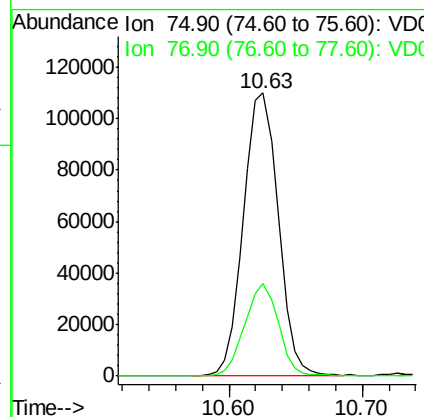
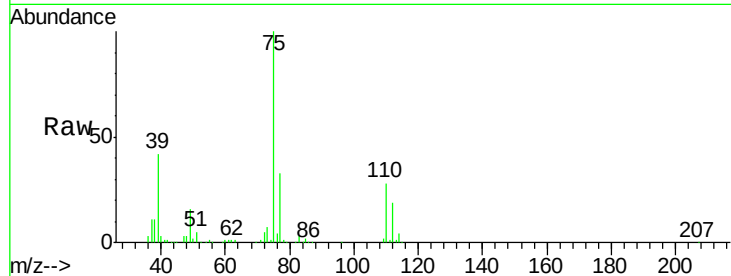
#53
t-1,3-Dichloropropene
Concen: 54.013 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	27.0	40.6

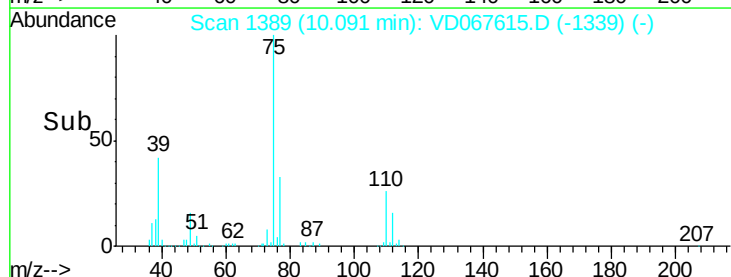
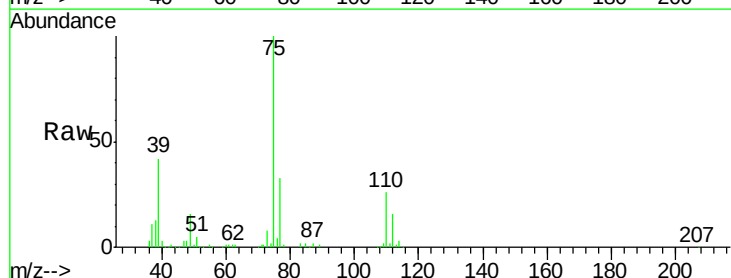
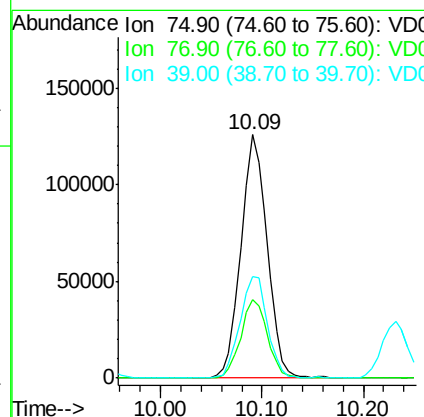
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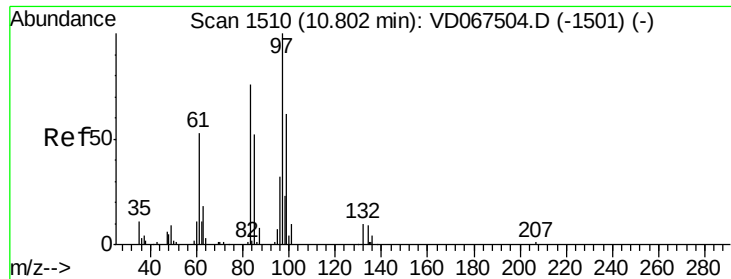
MMDadoda
11/16/2020 2:34:40 PM



#54
cis-1,3-Dichloropropene
Concen: 51.555 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.4	36.6
39	41.3	35.6	53.4





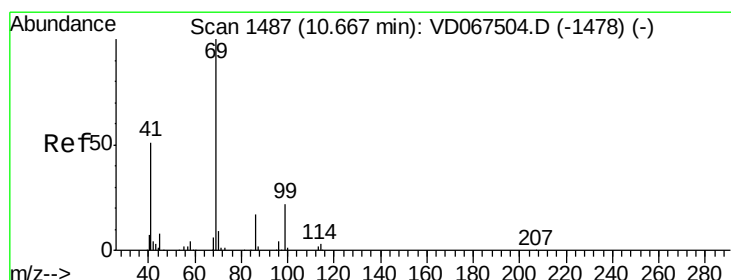
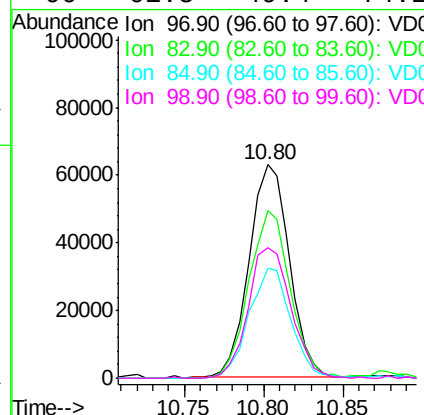
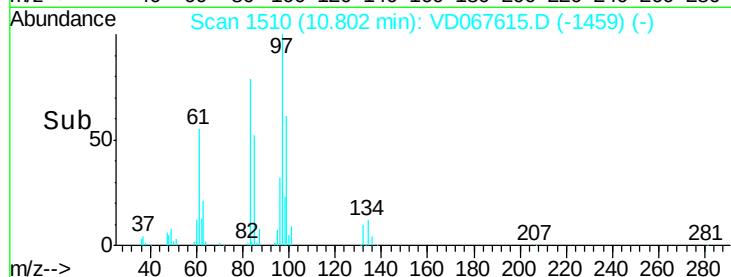
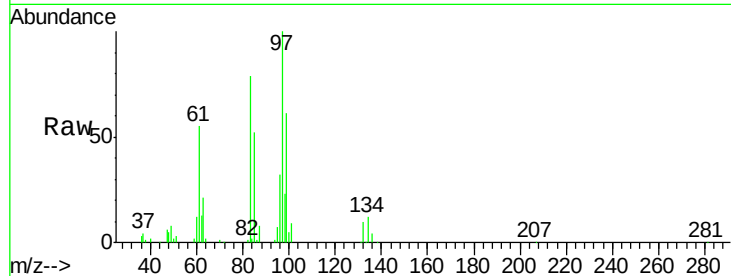
#55
 1,1,2-Trichloroethane
 Concen: 53.088 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		111483		
83	78.9	61.0	91.6		
85	51.9	41.5	62.3		
99	61.5	49.4	74.2		

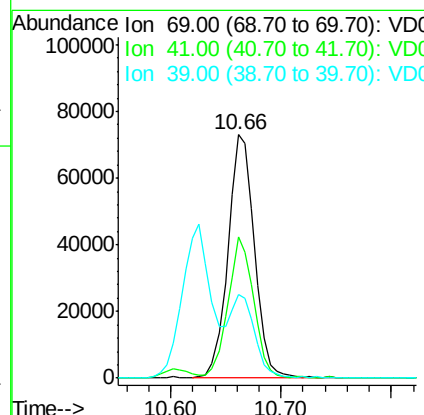
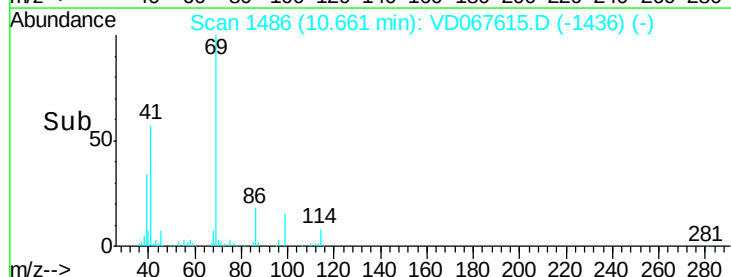
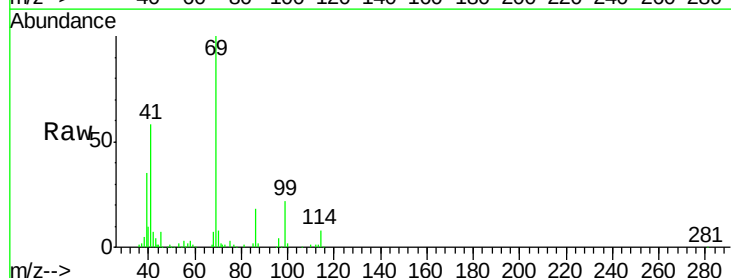
Manual Integrations
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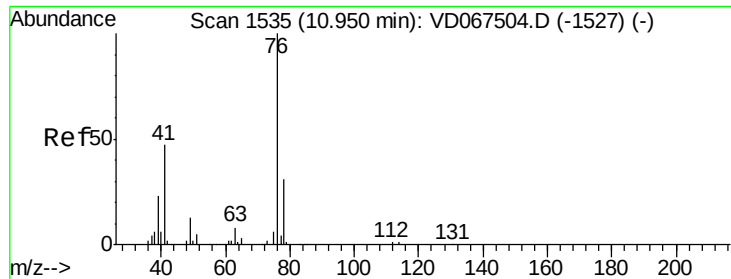
MMDadoda
 11/16/2020 2:34:40 PM



#56
 Ethyl methacrylate
 Concen: 56.618 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		122781		
41	56.5	45.4	68.0		
39	30.0	27.4	41.0		





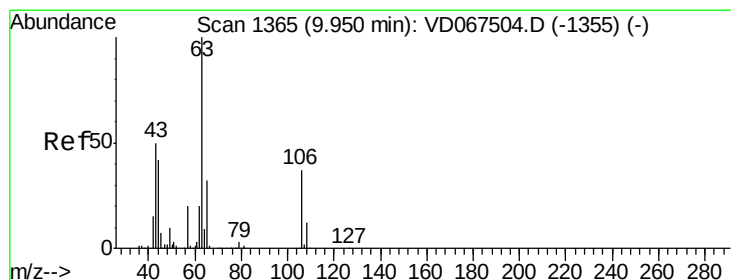
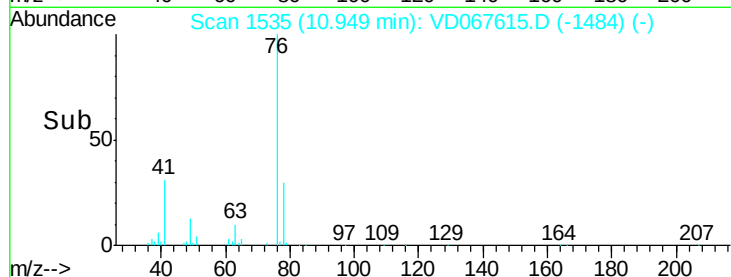
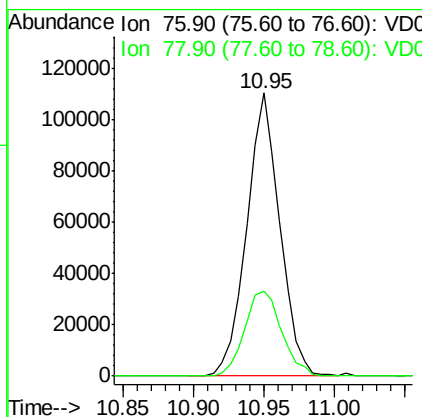
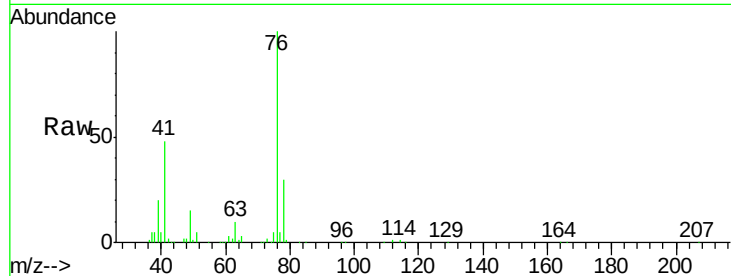
#57
 1,3-Dichloropropane
 Concen: 53.874 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 182054
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.1 39.1

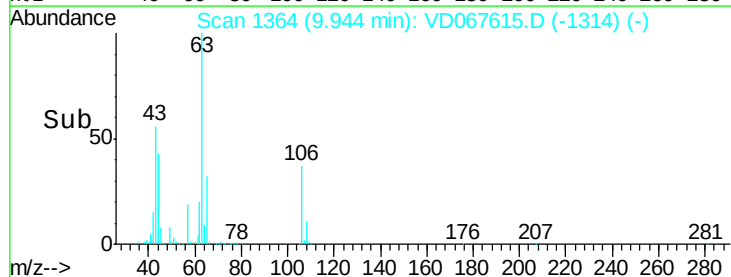
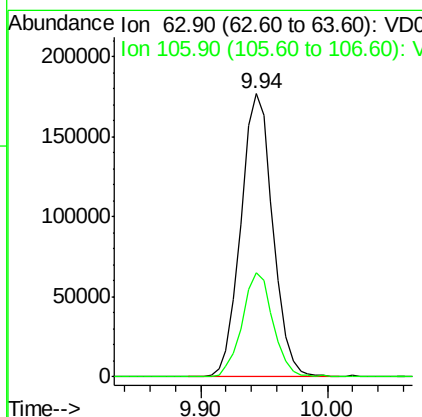
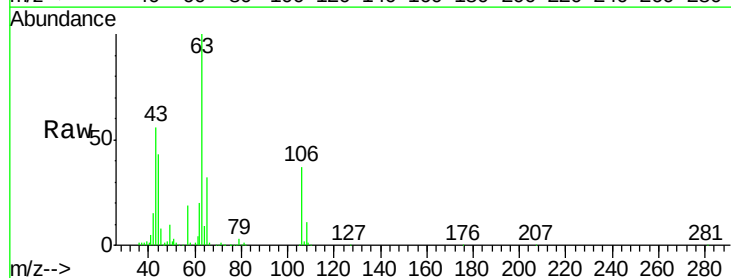
Manual Integrations
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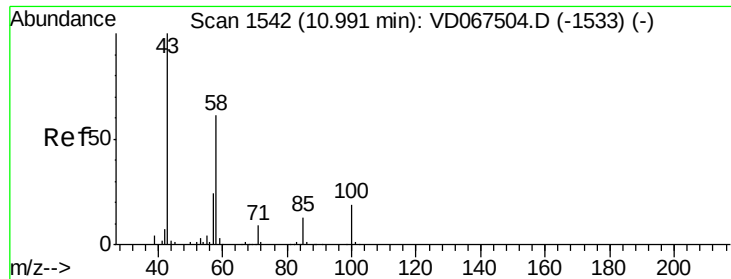
MMDadoda
 11/16/2020 2:34:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 306.643 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion: 63 Resp: 310100
 Ion Ratio Lower Upper
 63 100
 106 35.7 29.2 43.8





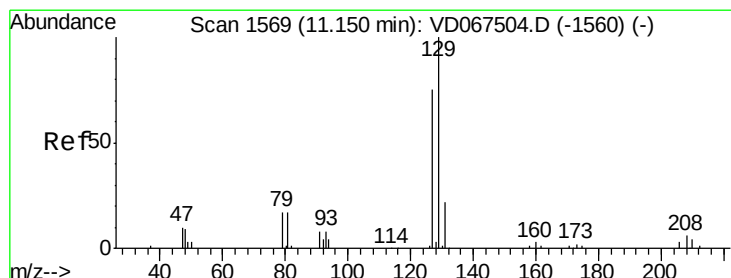
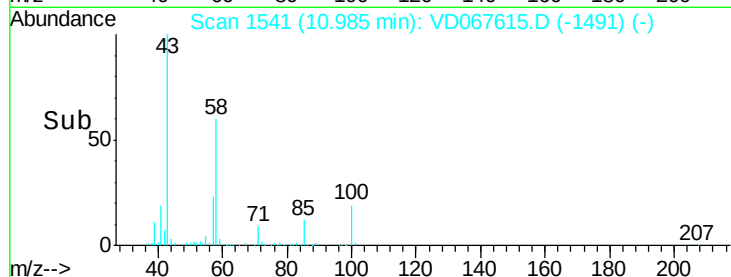
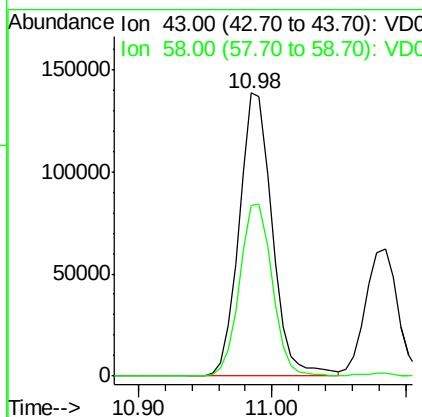
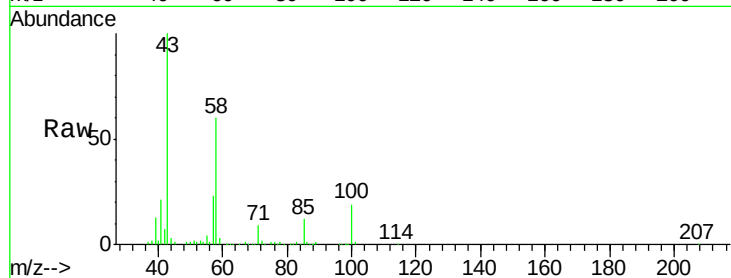
#59
2-Hexanone
Concen: 324.919 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 237774
Ion Ratio Lower Upper
43 100
58 59.9 30.3 90.9

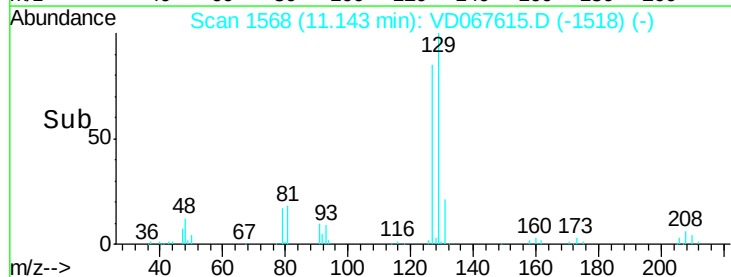
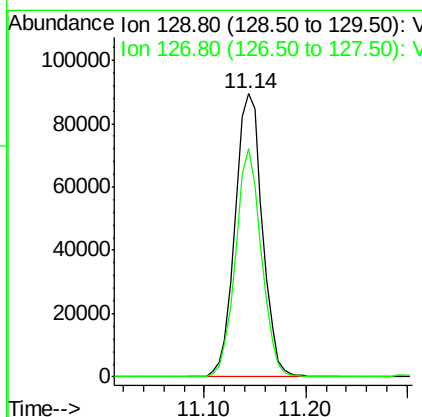
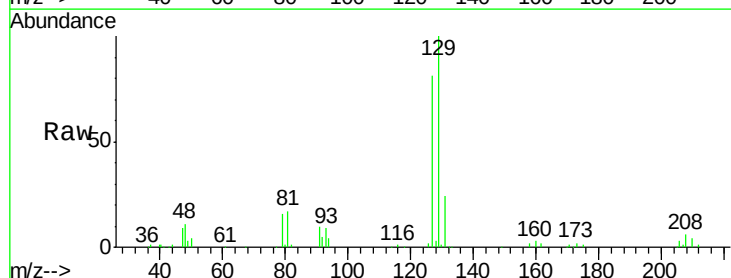
Manual Integrations
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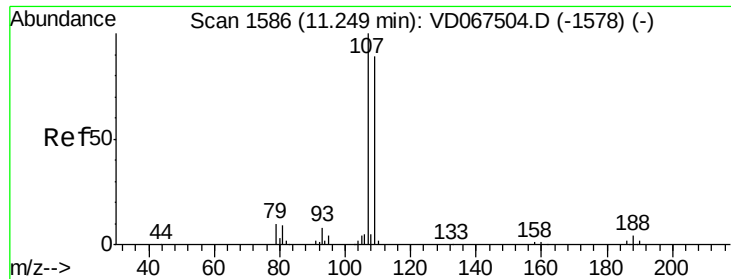
MMDadoda
11/16/2020 2:34:40 PM



#60
Dibromochloromethane
Concen: 53.959 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion: 129 Resp: 167619
Ion Ratio Lower Upper
129 100
127 76.2 38.0 114.1





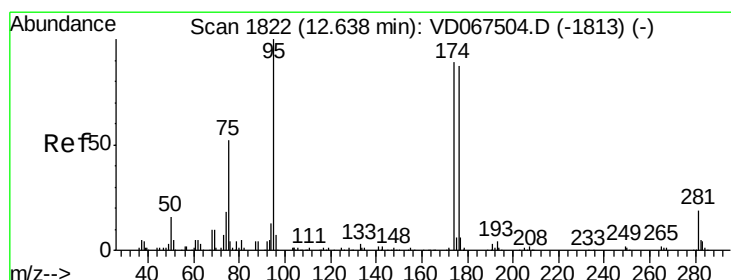
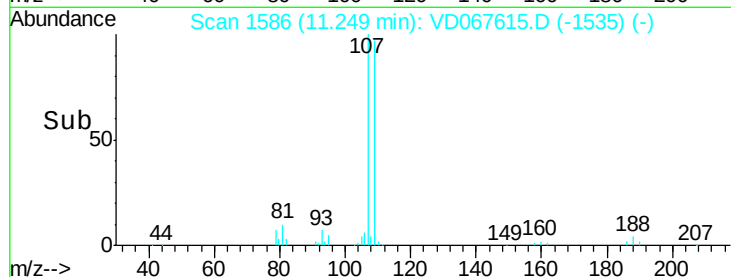
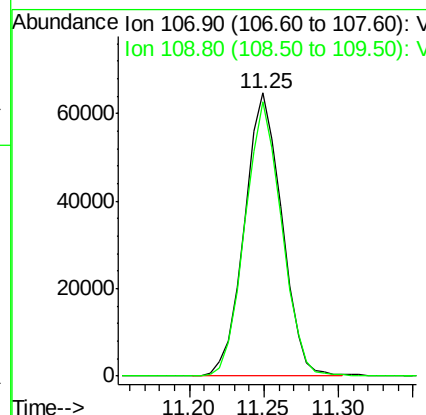
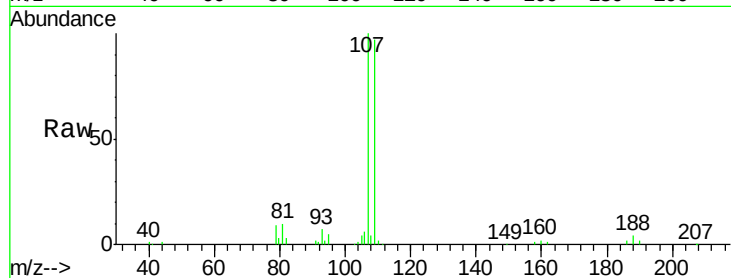
#61
 1,2-Dibromoethane
 Concen: 53.152 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.6	111.8

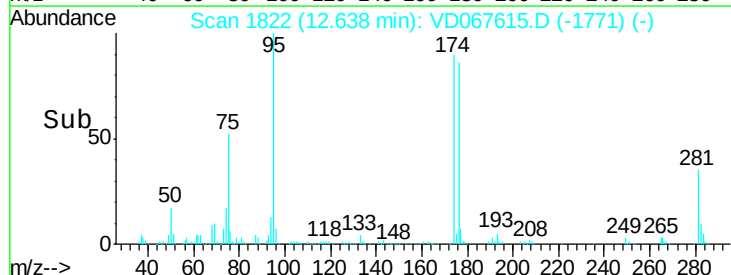
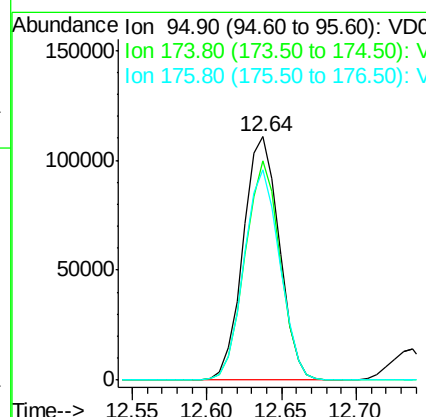
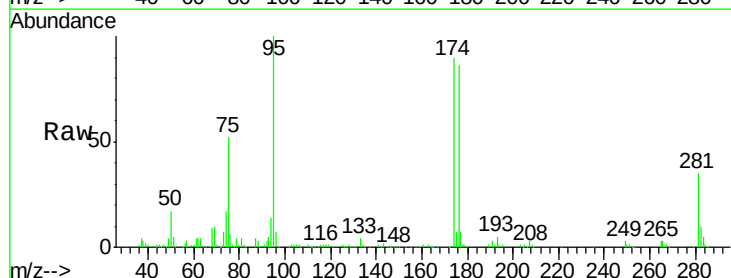
Manual Integrations
 APPROVED

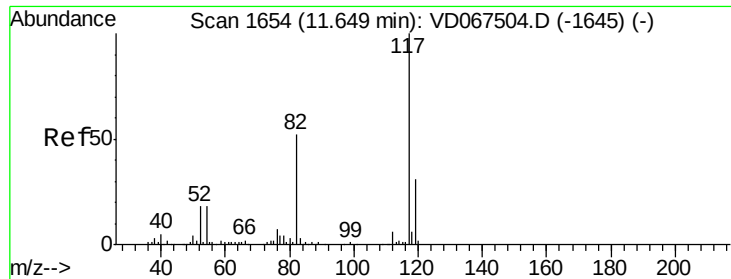
MMDadoda
 11/16/2020 2:34:40 PM



#62
 4-Bromofluorobenzene
 Concen: 50.987 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	177.8
176	86.0	0.0	172.0





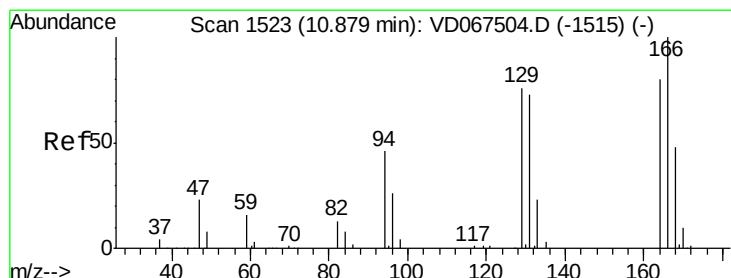
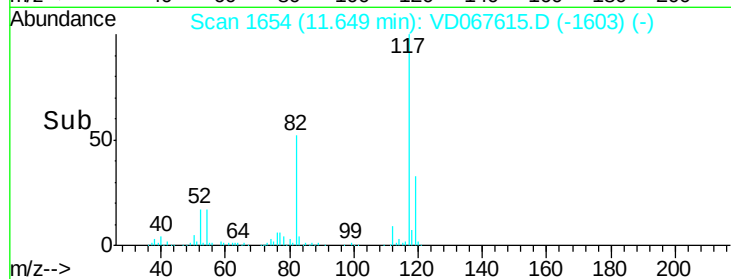
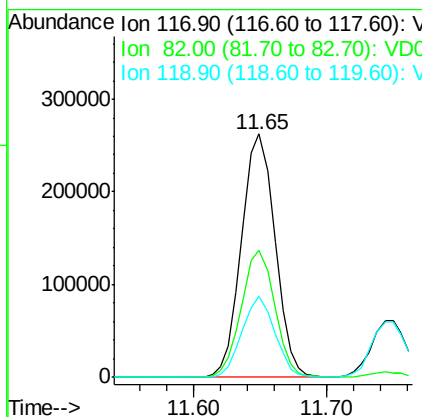
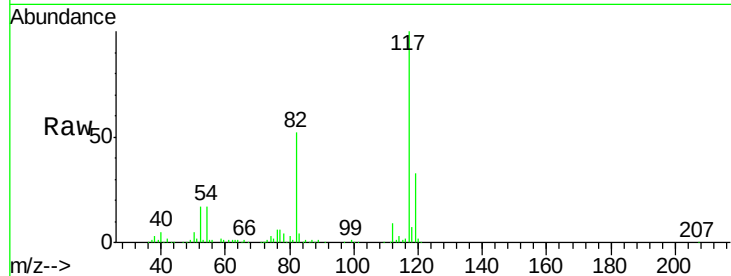
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	459180		
82	52.0		41.6	62.4
119	33.1		25.1	37.7

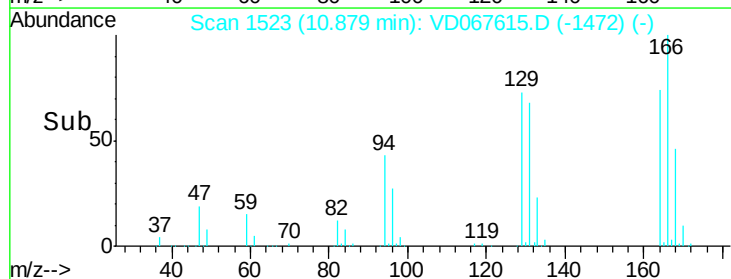
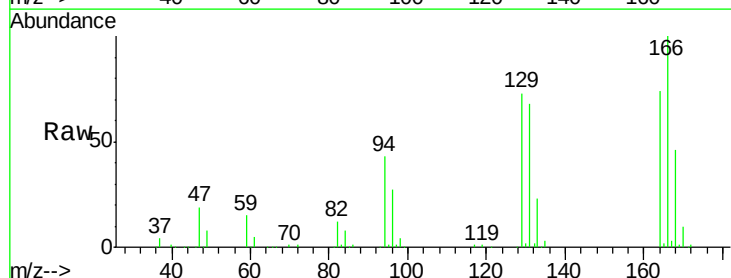
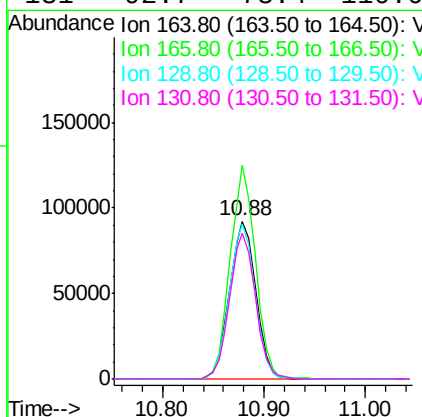
Manual Integrations
APPROVED

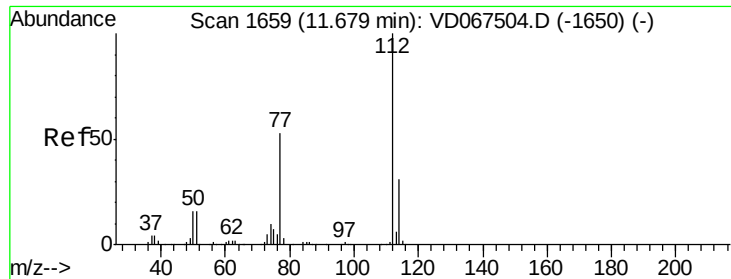
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11/16/2020 2:34:40 PM



#64
Tetrachloroethene
Concen: 48.906 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	166312		
166	135.6		99.9	149.9
129	98.4		75.5	113.3
131	92.7		73.4	110.0





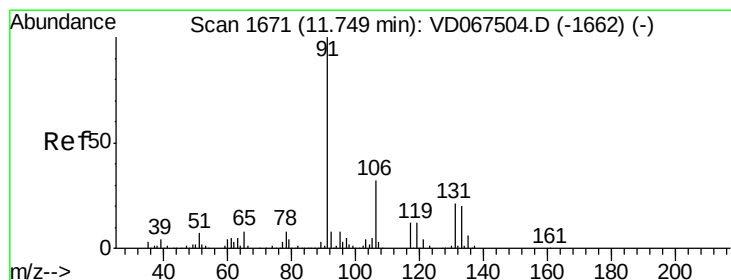
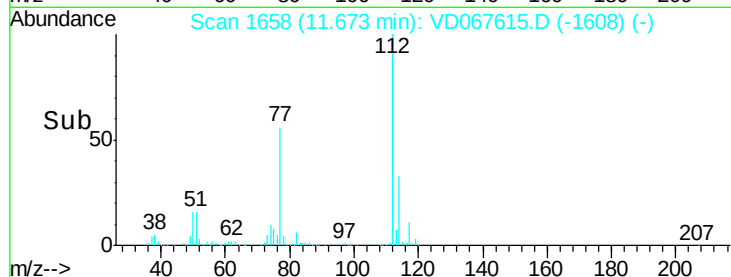
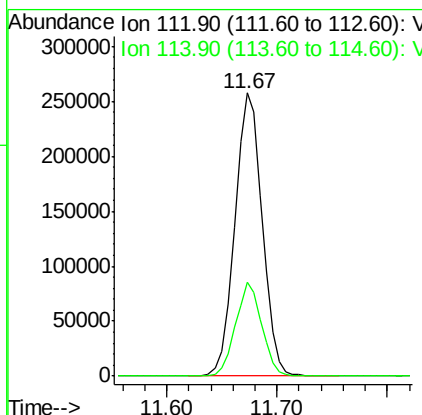
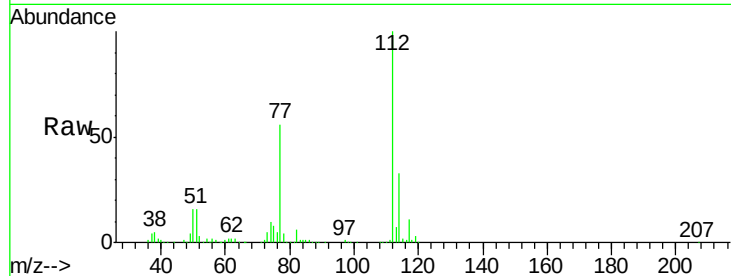
#65
Chlorobenzene
Concen: 50.519 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	24.9	37.3

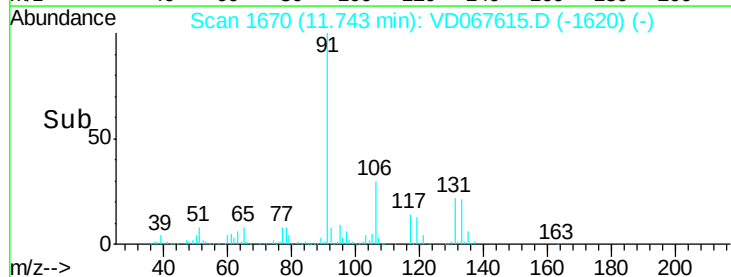
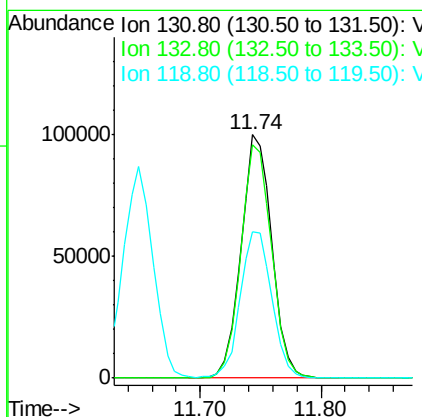
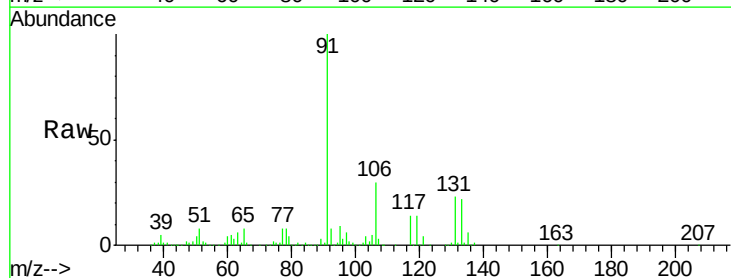
Manual Integrations
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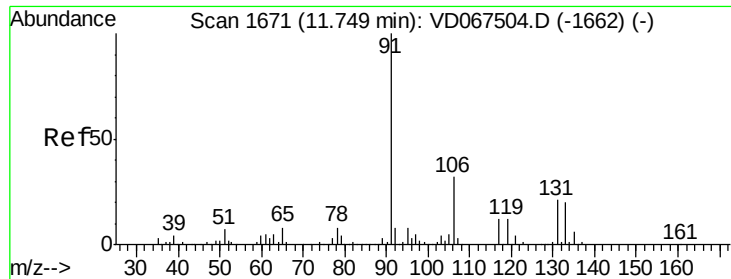
MMDadoda
11/16/2020 2:34:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.728 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.0	144.0
119	62.0	30.1	90.5





#67

Ethyl Benzene

Concen: 52.261 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 791008

Ion Ratio Lower Upper

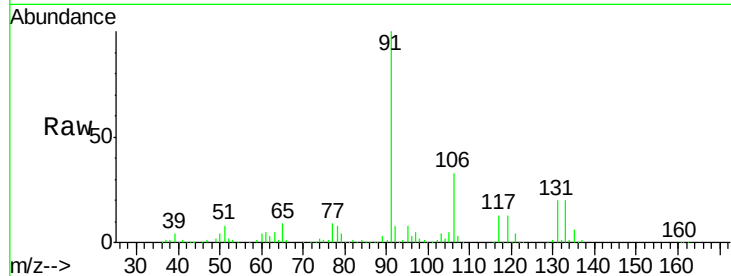
91 100

106 33.1 25.7 38.5

Manual Integrations
APPROVED

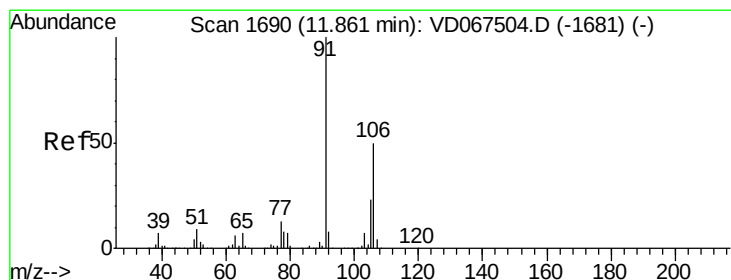
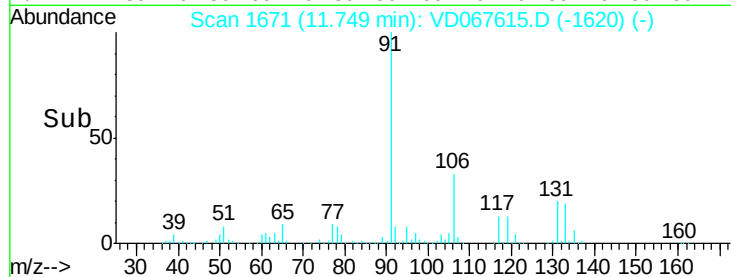
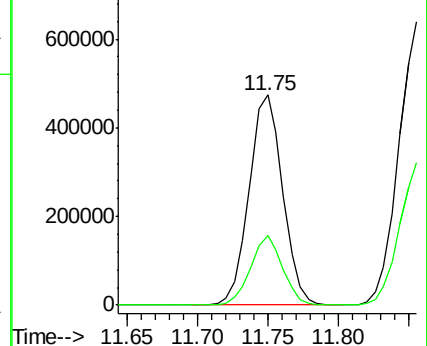
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 103.634 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067615.D

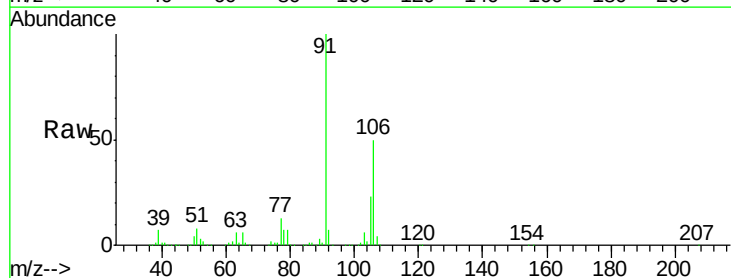
Acq: 12 Nov 2020 09:51

Tgt Ion: 106 Resp: 610241

Ion Ratio Lower Upper

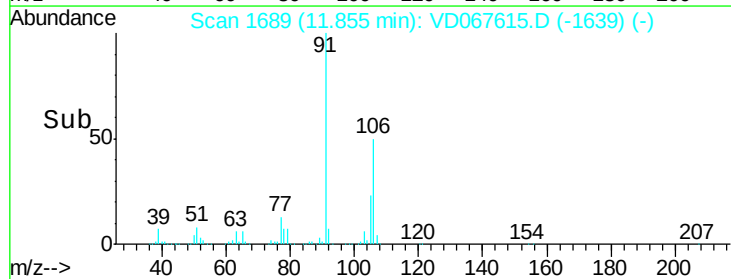
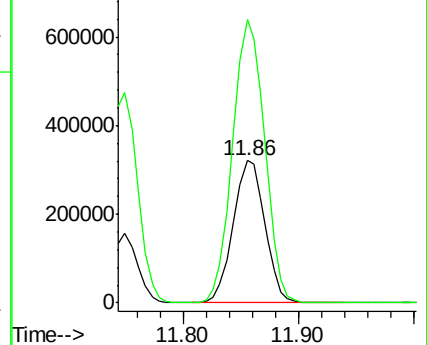
106 100

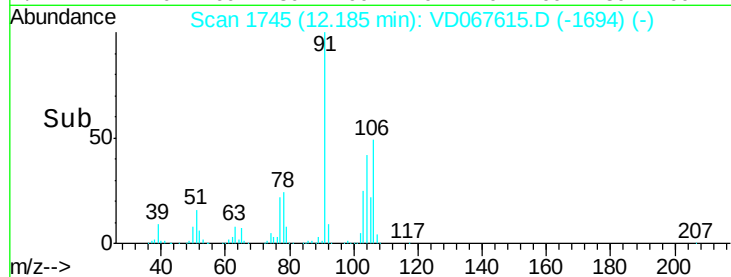
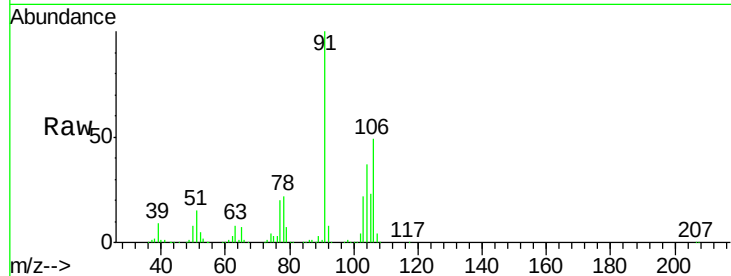
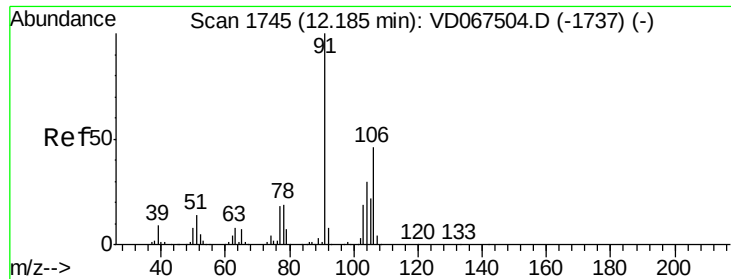
91 201.6 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





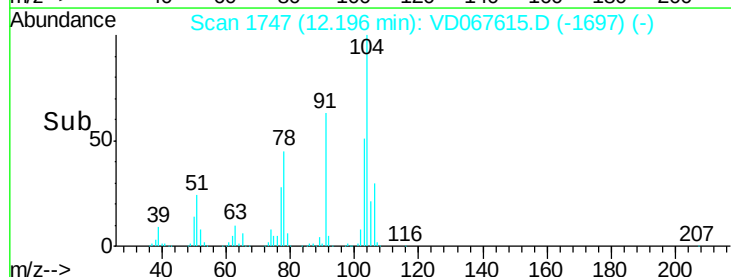
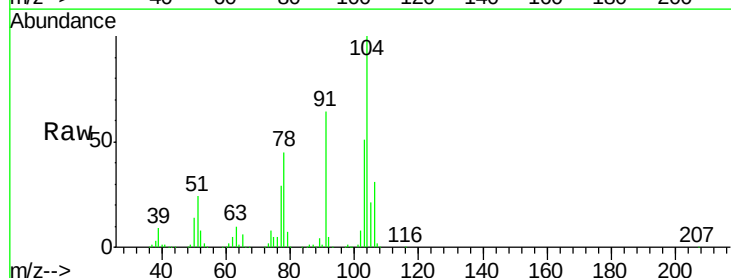
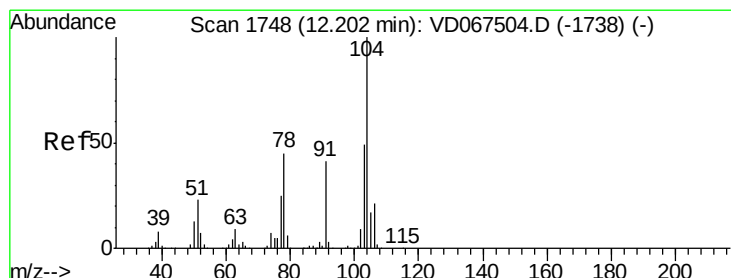
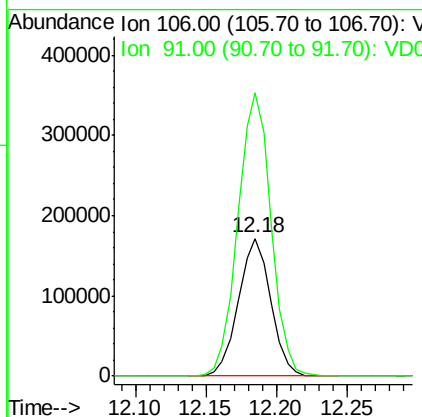
#69
o-Xylene
Concen: 52.272 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tot Ion:106 Resp: 274810
Ion Ratio Lower Upper
106 100
91 210.6 107.1 321.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

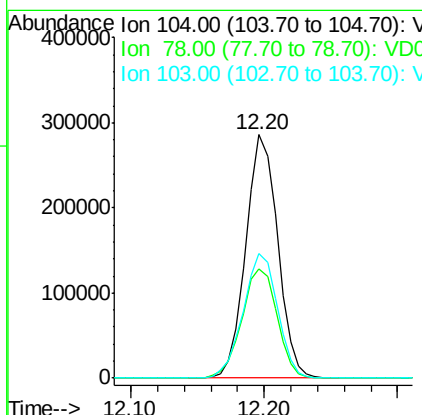
Manual Integrations
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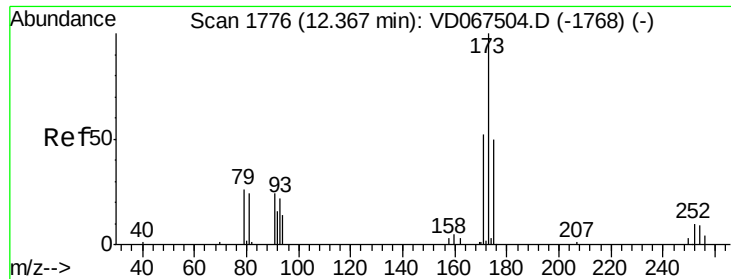
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#70
Styrene
Concen: 51.483 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion:104 Resp: 471634
Ion Ratio Lower Upper
104 100
78 49.9 39.8 59.8
103 55.2 43.9 65.9





#71

Bromoform

Concen: 55.655 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 98952

Ion Ratio Lower Upper

173 100

175 47.4 24.1 72.2

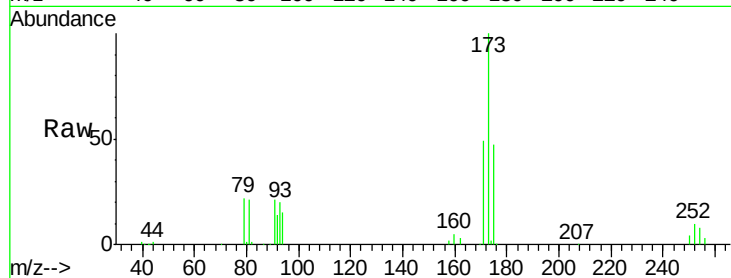
254 0.0 0.0 0.0

Manual Integrations

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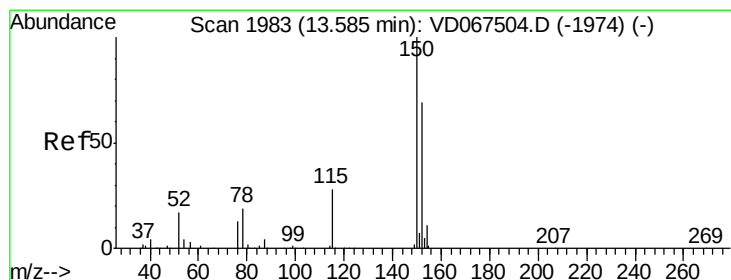
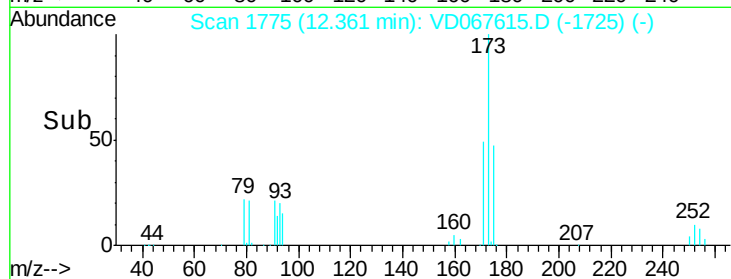
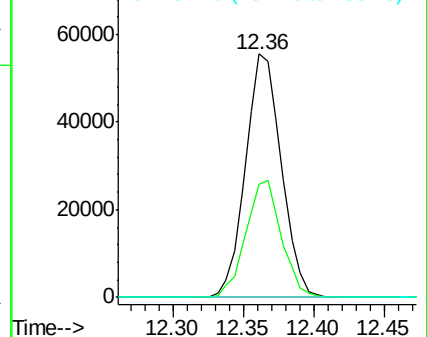
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

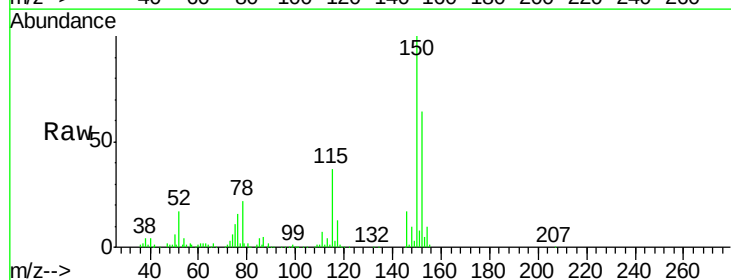
Tgt Ion:152 Resp: 231111

Ion Ratio Lower Upper

152 100

115 60.0 29.3 88.0

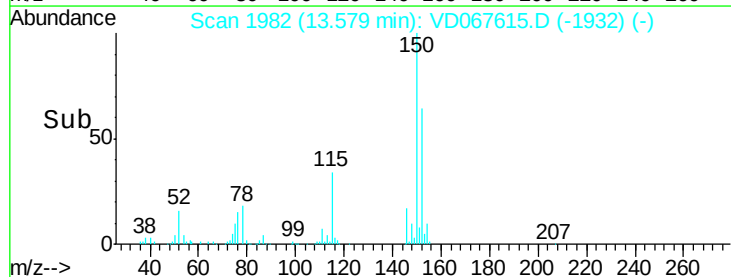
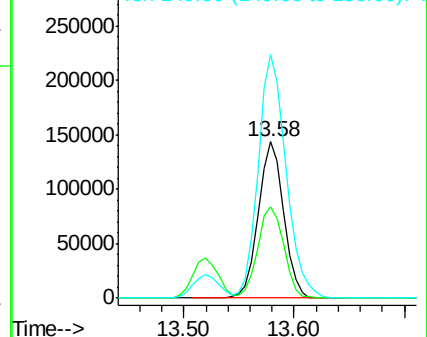
150 171.2 0.0 338.2

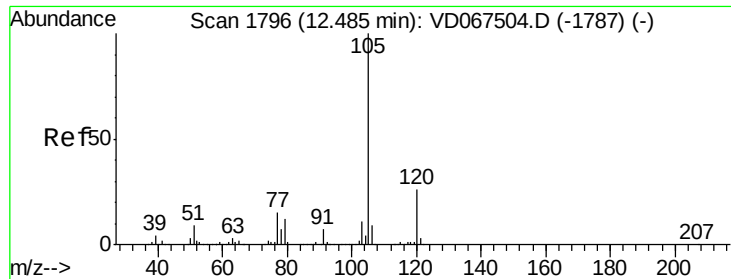


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.819 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 788916

Ion Ratio Lower Upper

105 100

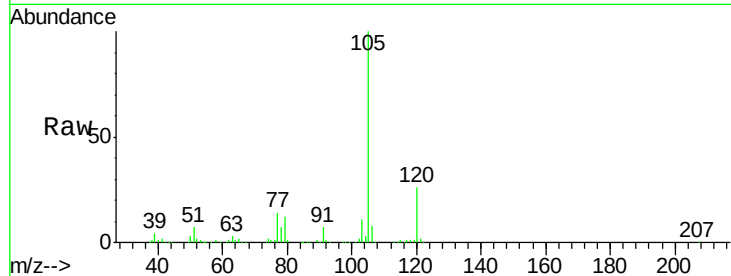
120 26.1 13.2 39.6

Manual Integrations

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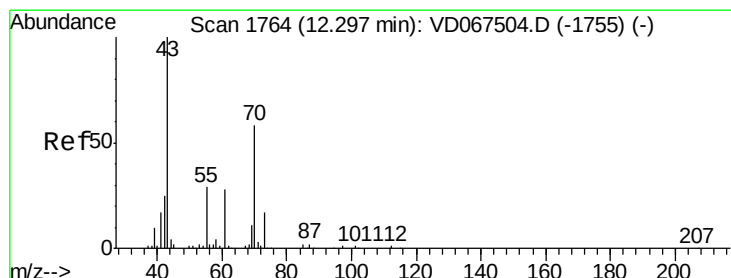
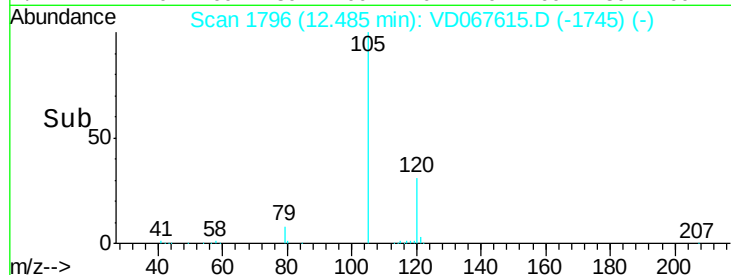
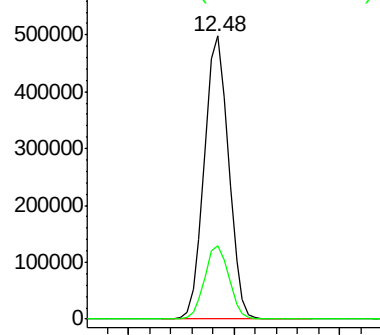
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.000 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Tgt Ion: 43 Resp: 112027

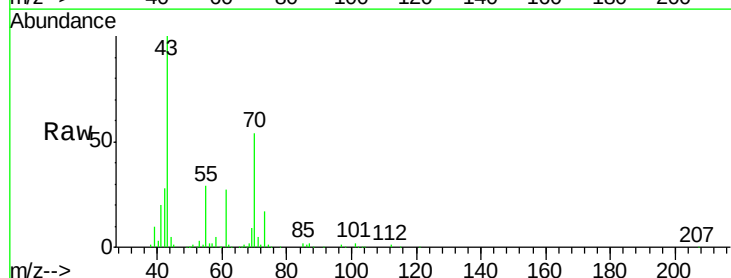
Ion Ratio Lower Upper

43 100

70 53.8 42.6 64.0

55 29.8 23.7 35.5

61 27.3 21.9 32.9

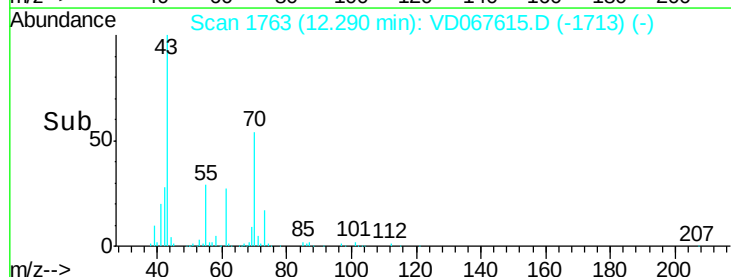
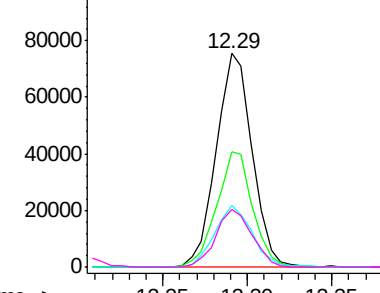


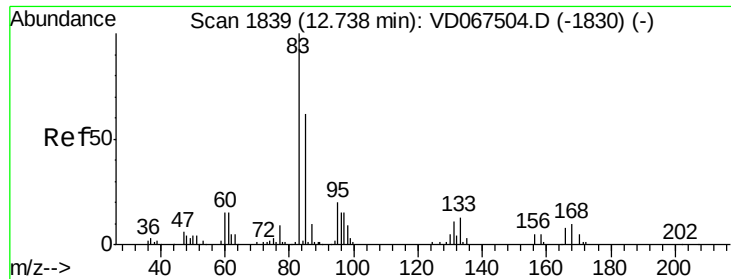
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.832 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

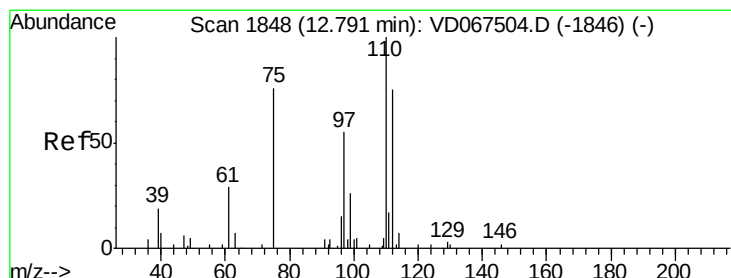
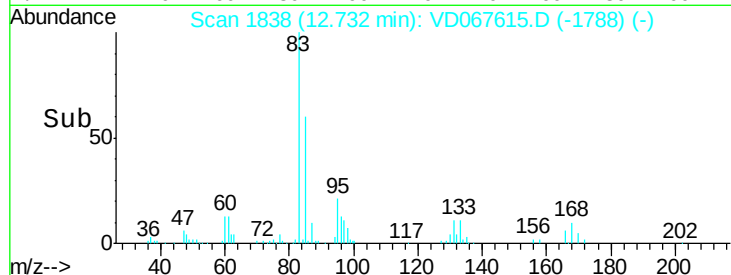
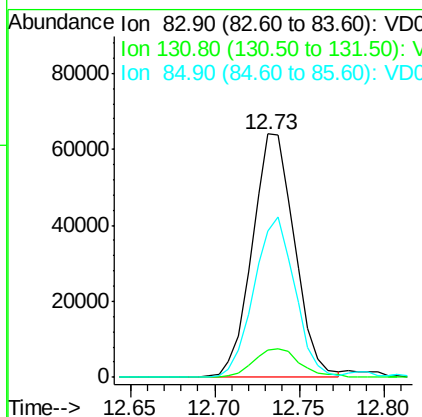
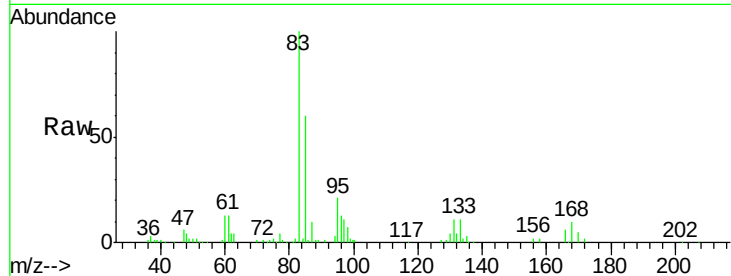
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	111679
Ion	Ratio	Lower	Upper
83	100		
131	13.0	7.1	21.3
85	63.4	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 58.777 ug/l m

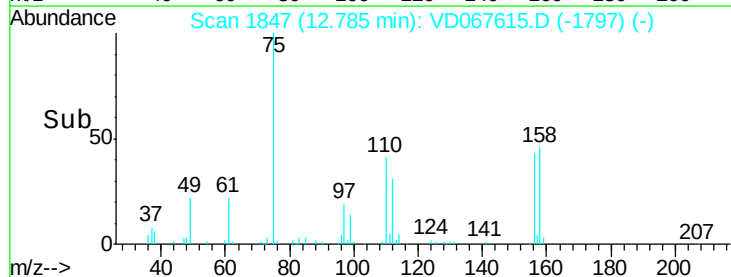
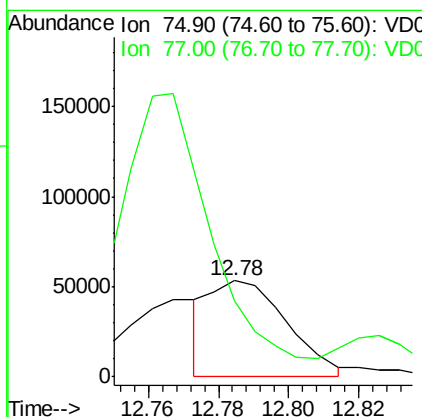
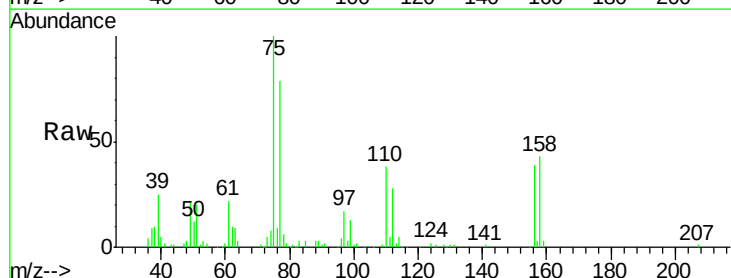
RT: 12.78 min Scan# 1847

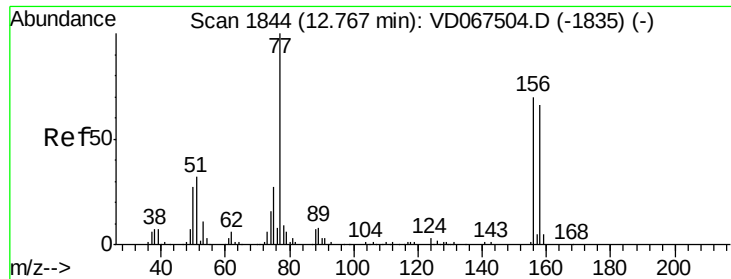
Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Tgt Ion:	75	Resp:	81947
Ion	Ratio	Lower	Upper
75	100		
77	356.1	0.0	0.0#





#77

Bromobenzene

Concen: 50.627 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

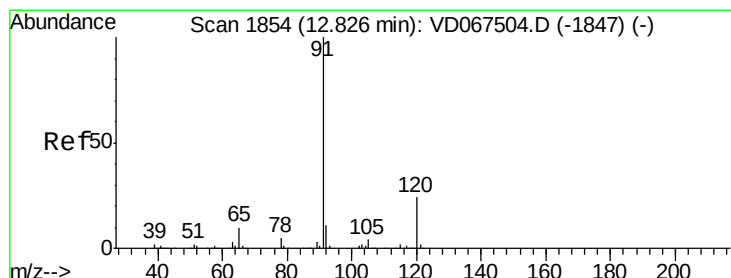
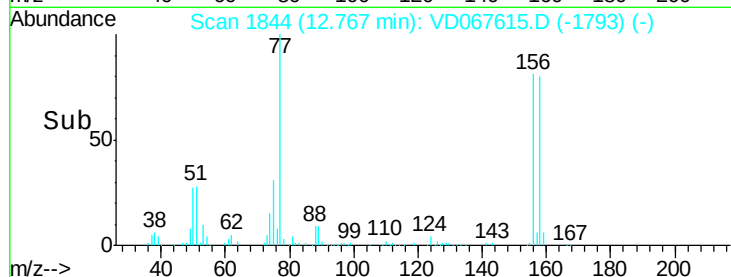
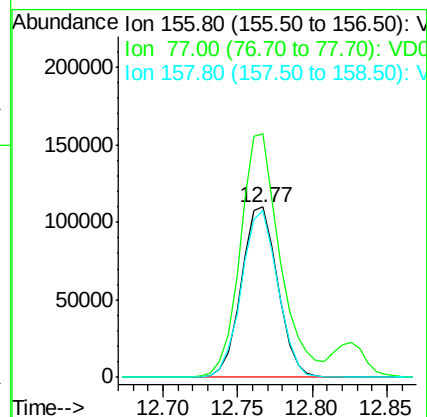
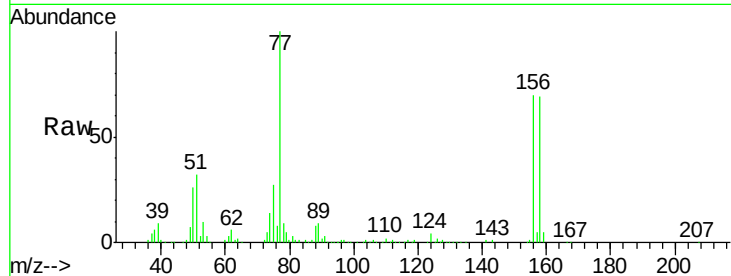
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.1	77.8	233.5
158	97.8	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 52.621 ug/l

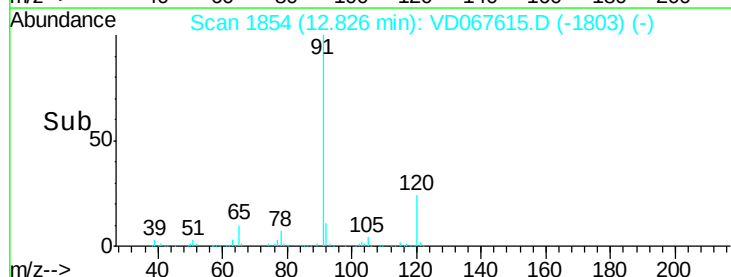
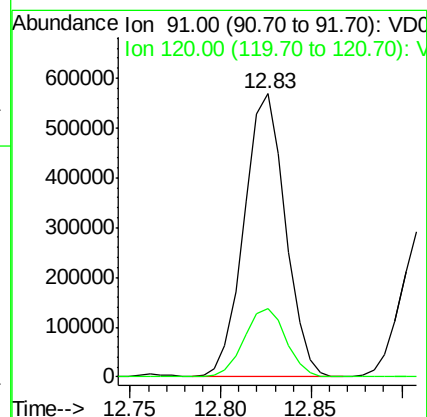
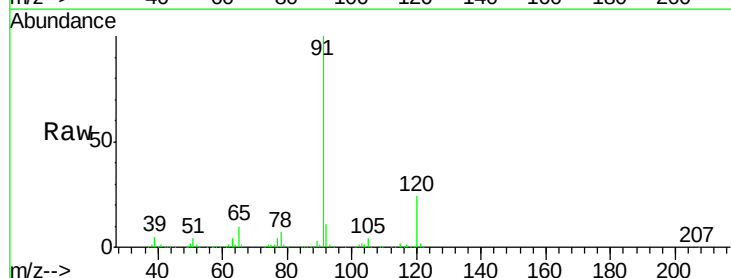
RT: 12.83 min Scan# 1854

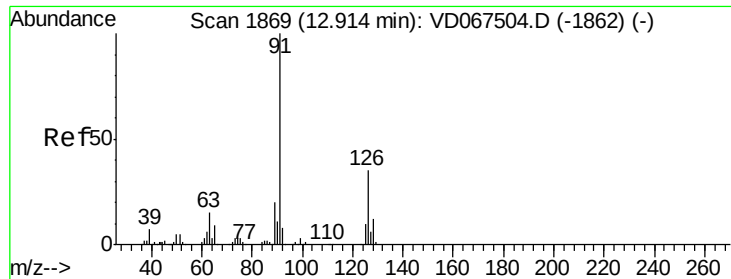
Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.2	36.4





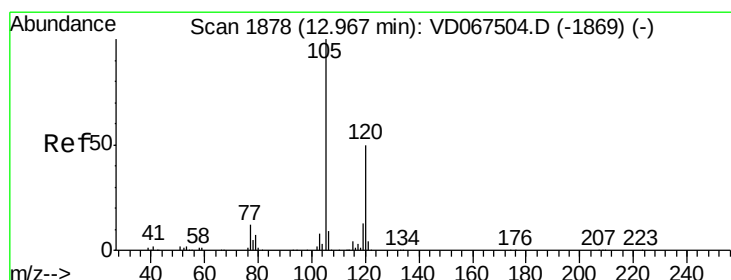
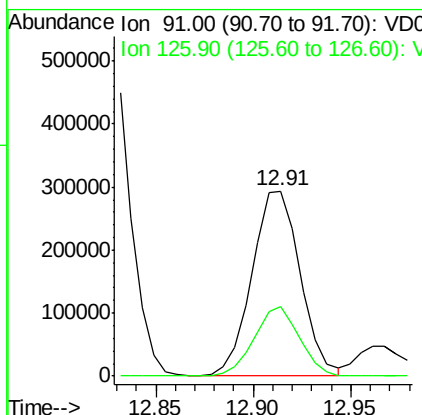
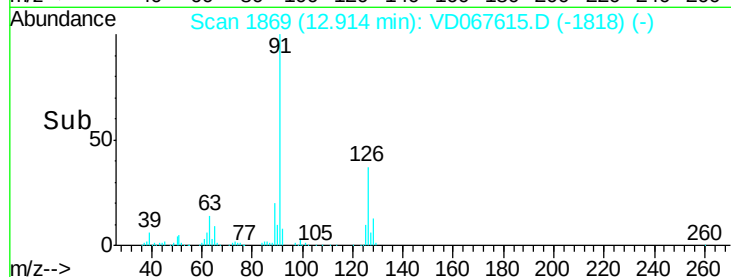
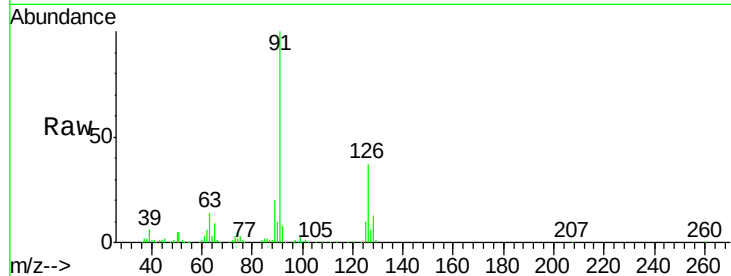
#79
 2-Chlorotoluene
 Concen: 51.802 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 502727
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.8 53.4

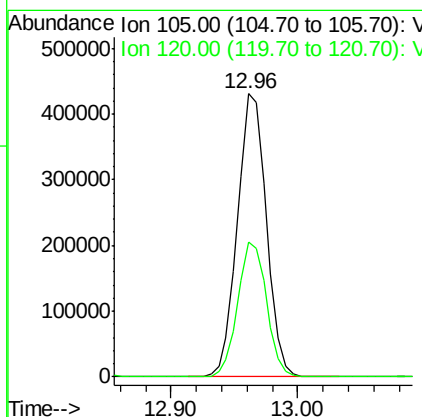
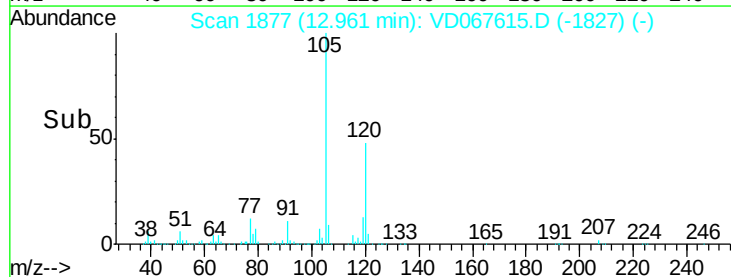
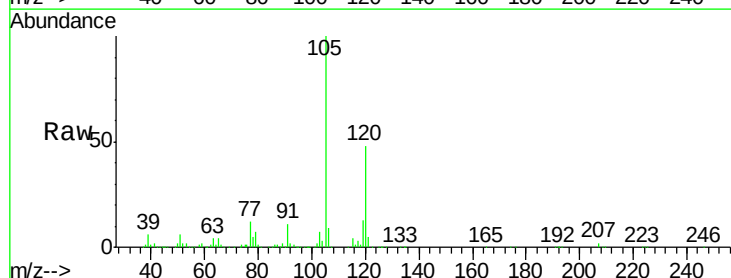
Manual Integrations
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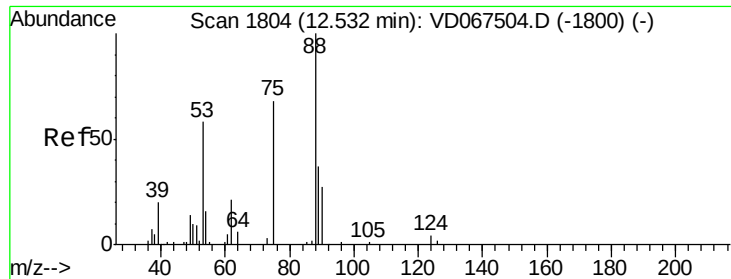
MMDadoda
 11/16/2020 2:34:40 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.227 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion: 105 Resp: 679144
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.3 72.8





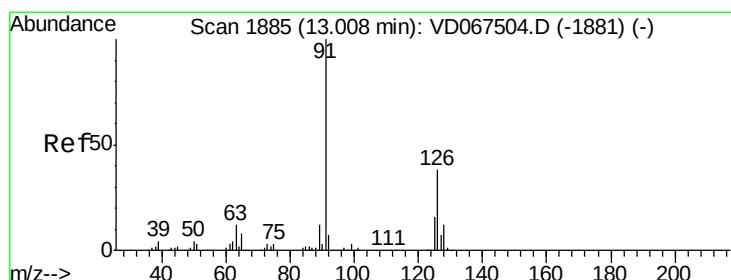
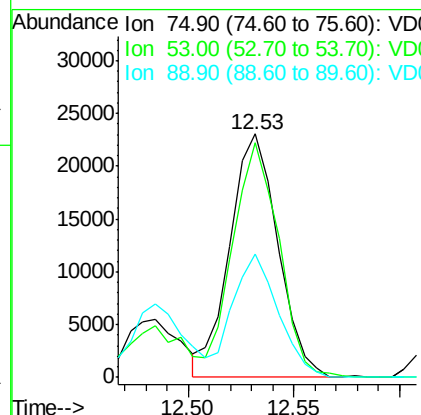
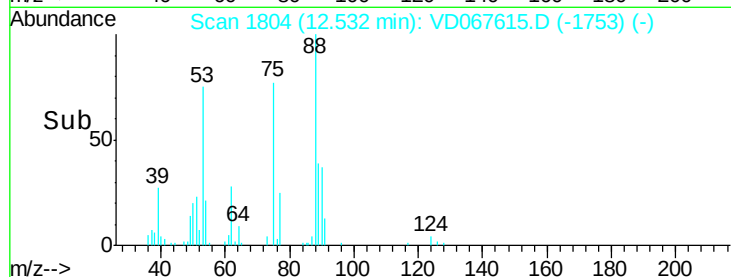
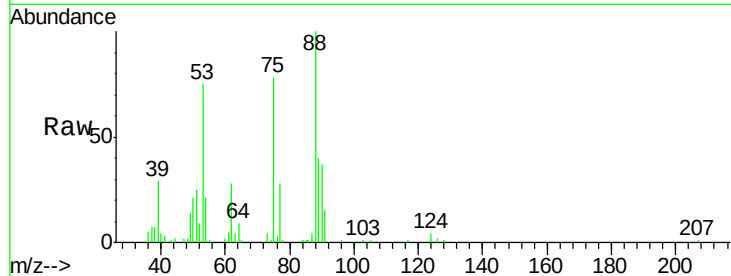
#81
trans-1,4-Dichloro-2-butene
Concen: 53.036 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	75.9	113.9
89	48.2	44.6	67.0

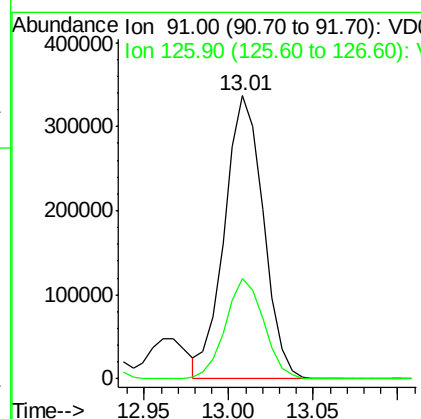
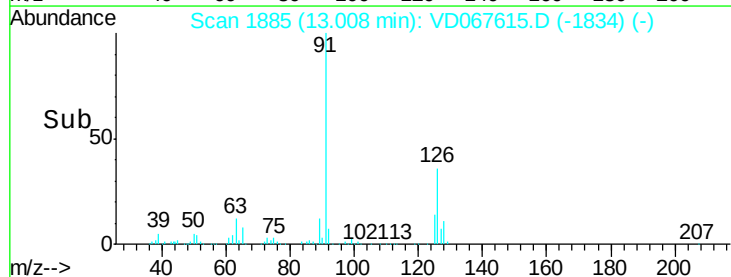
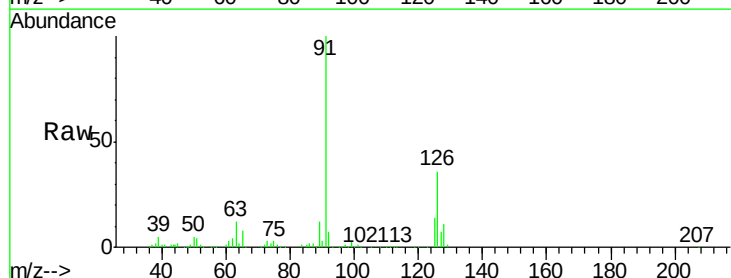
Manual Integrations
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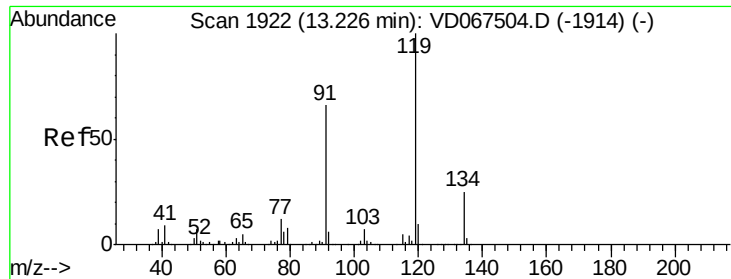
MMDadoda
11/16/2020 2:34:40 PM



#82
4-Chlorotoluene
Concen: 51.766 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.9	53.7





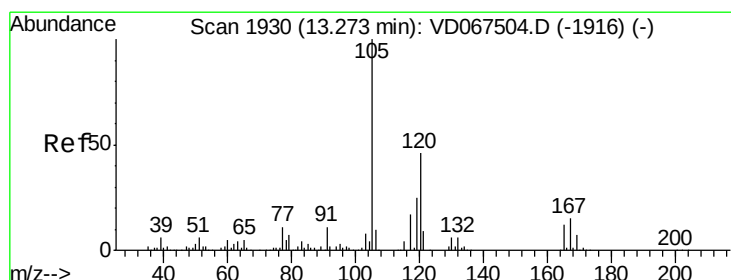
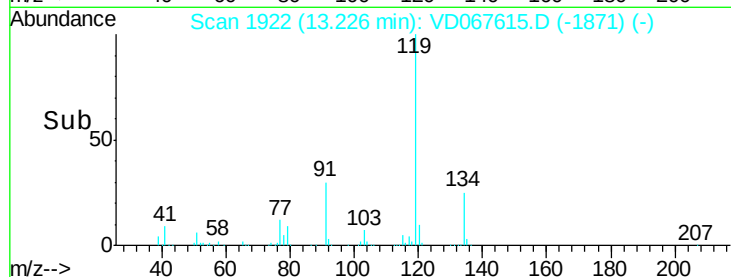
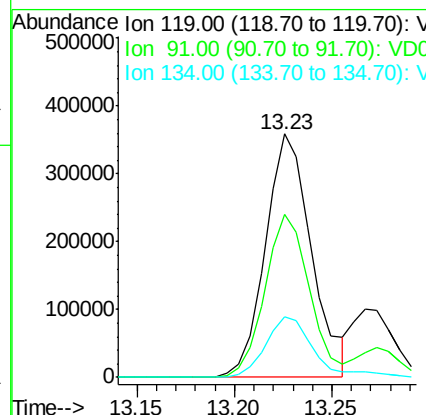
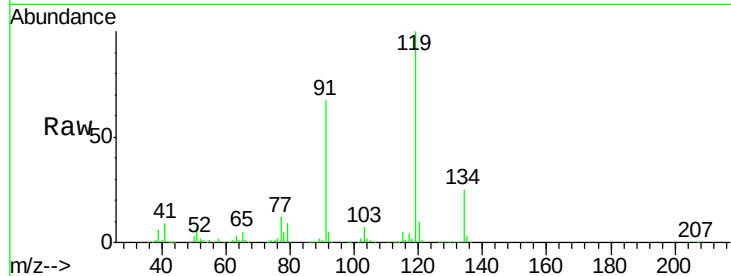
#83
 tert-Butylbenzene
 Concen: 54.220 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	586318		
91	64.4		32.7	98.1
134	26.4		13.4	40.2

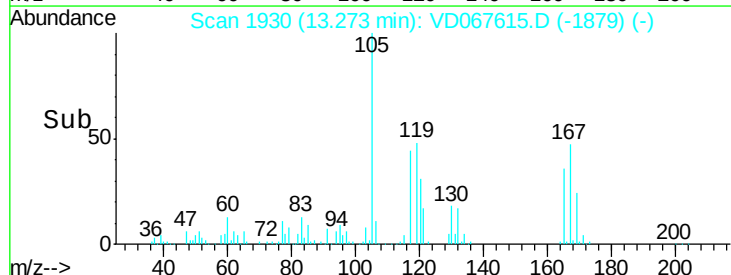
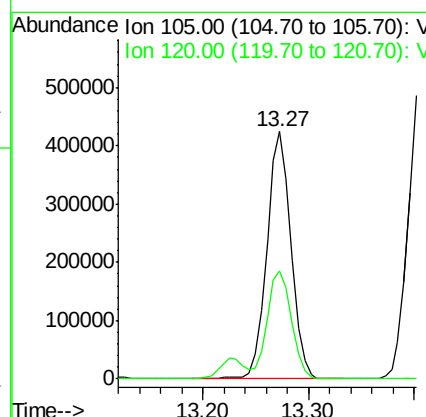
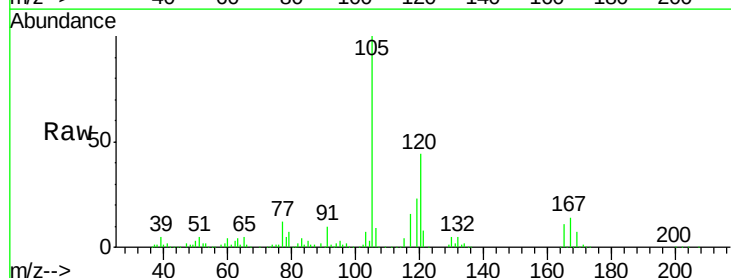
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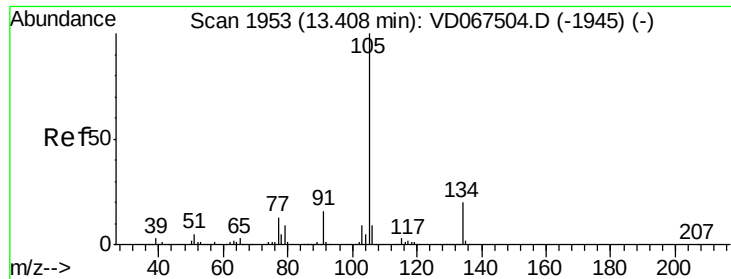
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.777 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	670302		
120	44.5		22.1	66.1





#85

sec-Butylbenzene

Concen: 52.751 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion:105 Resp: 770051

Ion Ratio Lower Upper

105 100

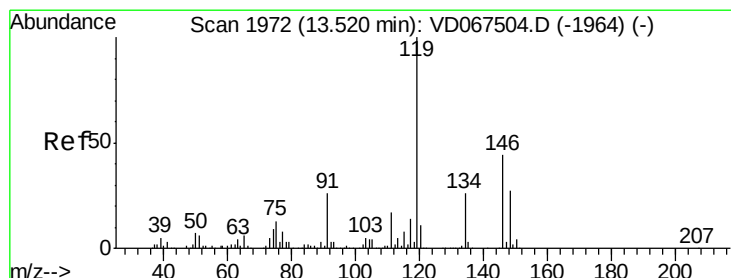
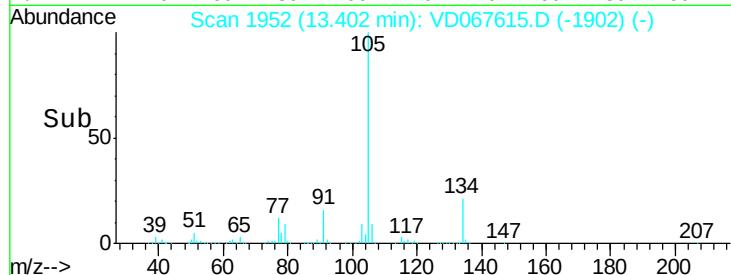
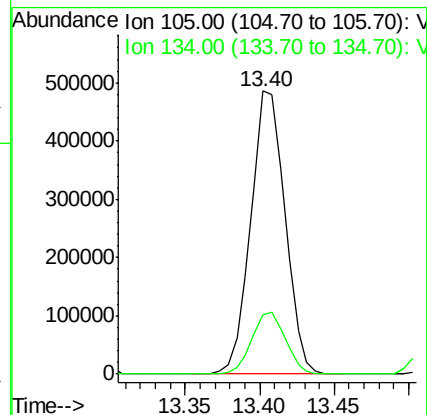
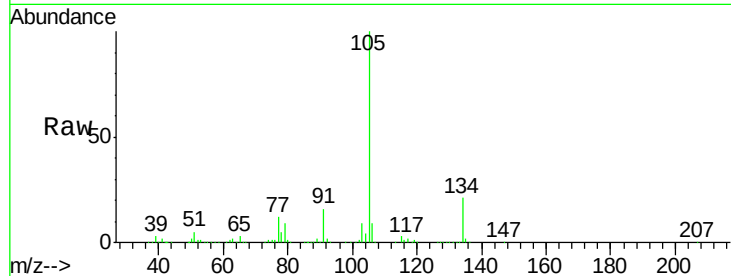
134 21.7 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.921 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

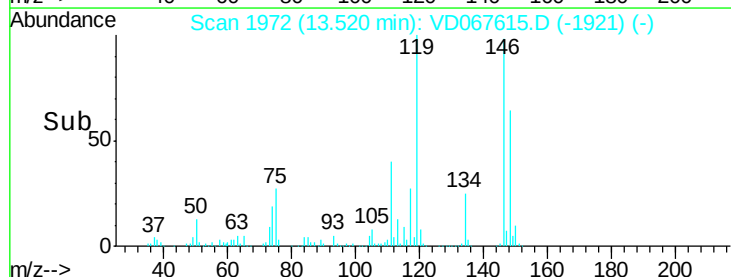
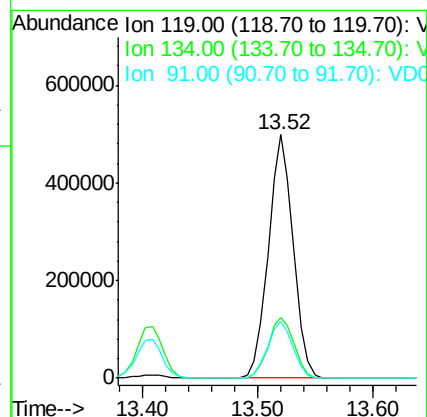
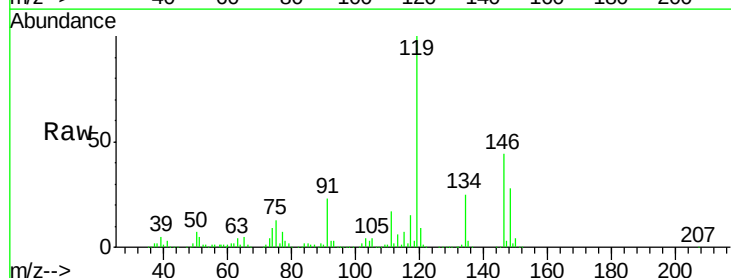
Tgt Ion:119 Resp: 746007

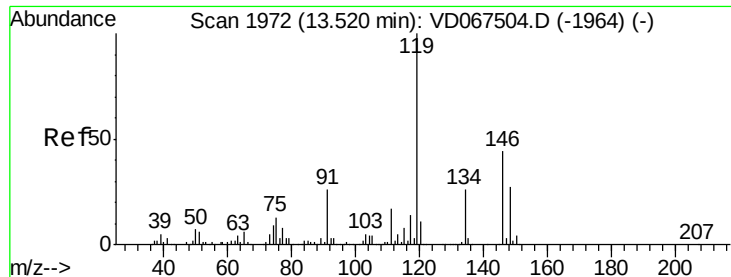
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

91 23.9 12.2 36.4





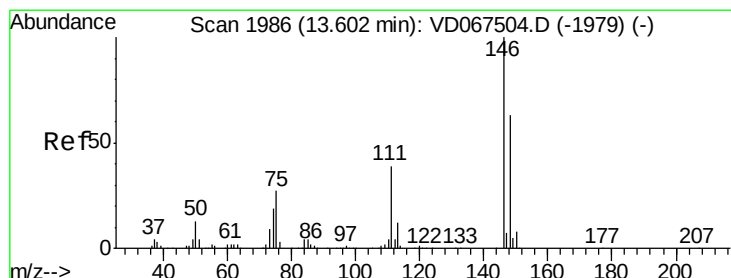
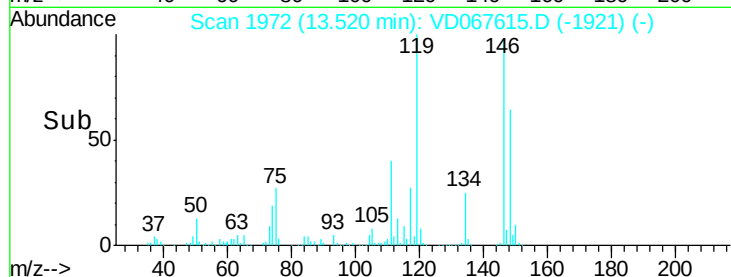
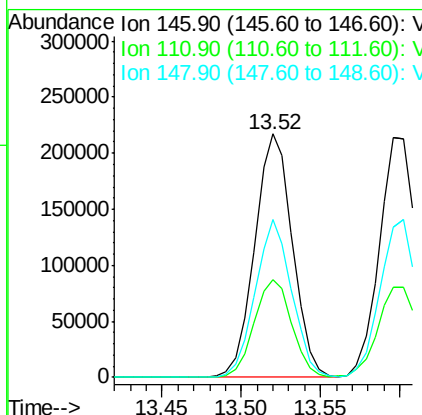
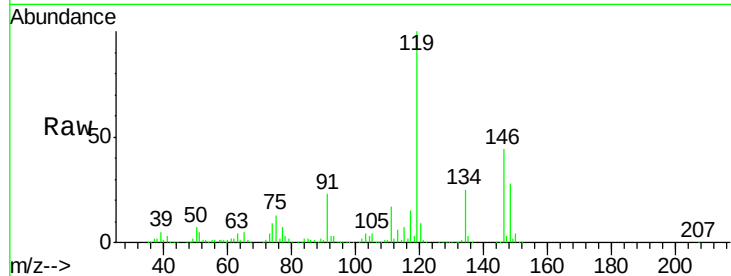
#87
 1,3-Dichlorobenzene
 Concen: 51.190 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.8
148	62.8	31.9	95.9

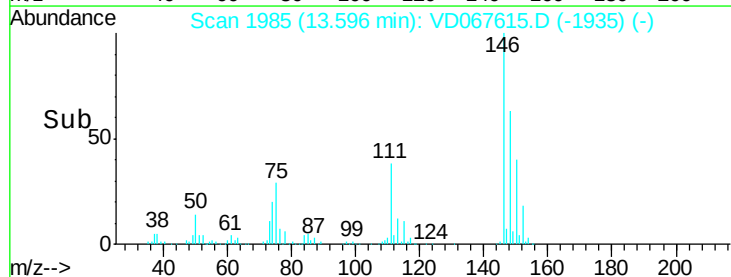
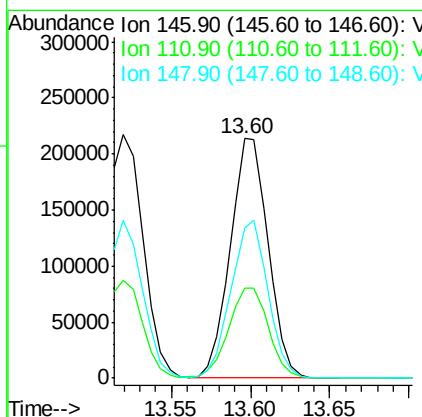
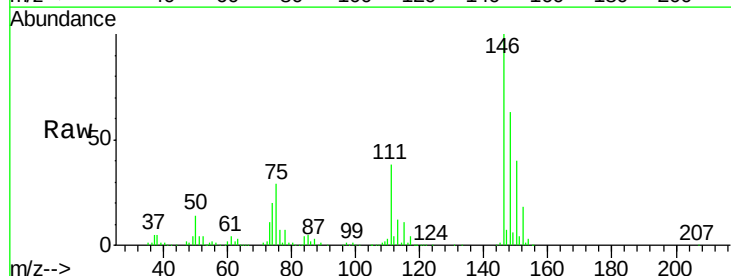
Manual Integrations
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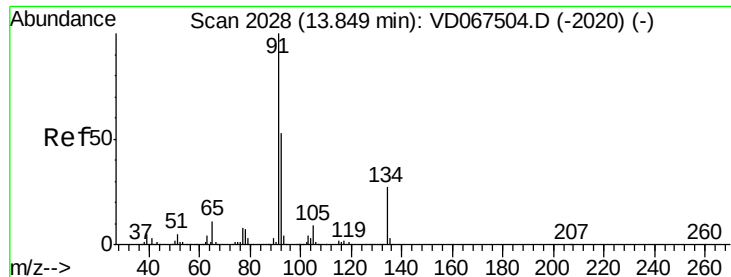
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#88
 1,4-Dichlorobenzene
 Concen: 49.957 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.7
148	64.6	31.8	95.4





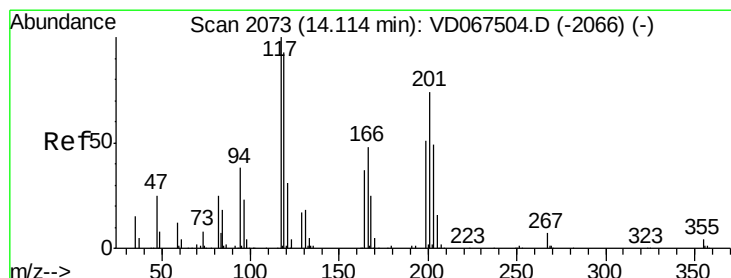
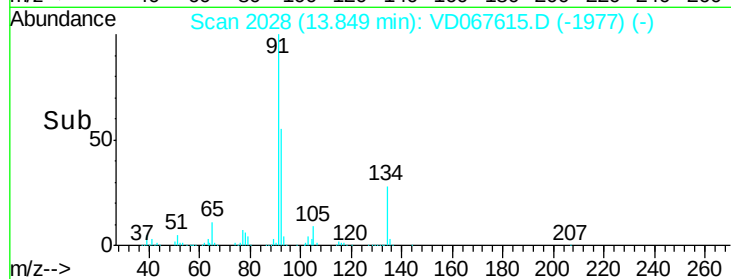
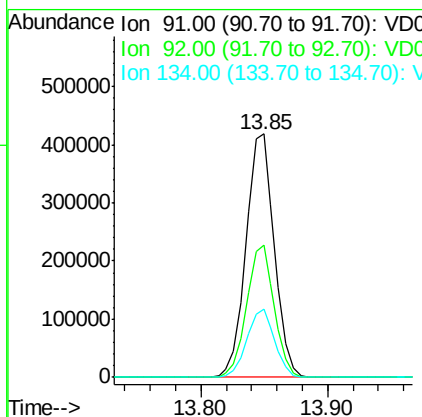
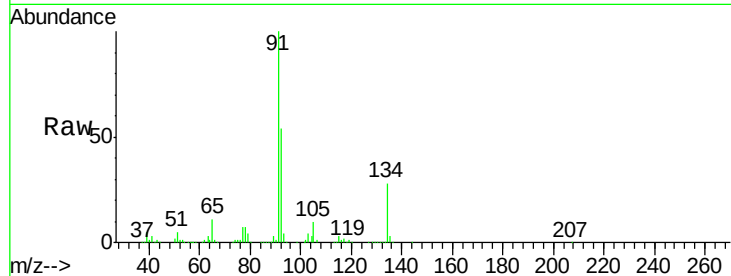
#89
n-Butylbenzene
Concen: 53.205 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	27.4	14.1	42.2

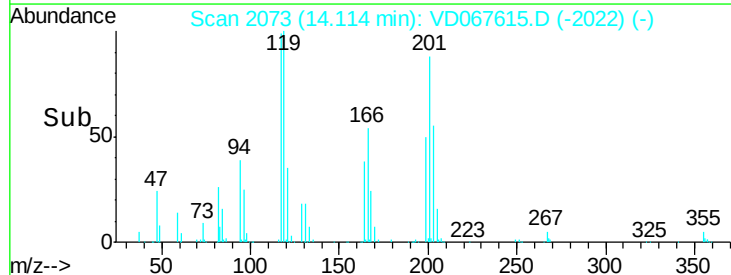
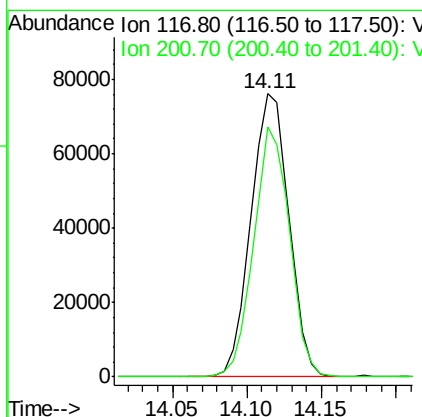
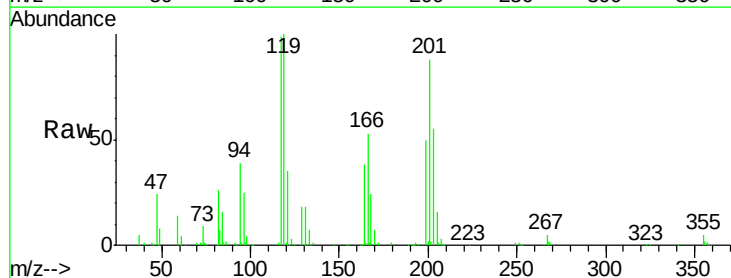
Manual Integrations
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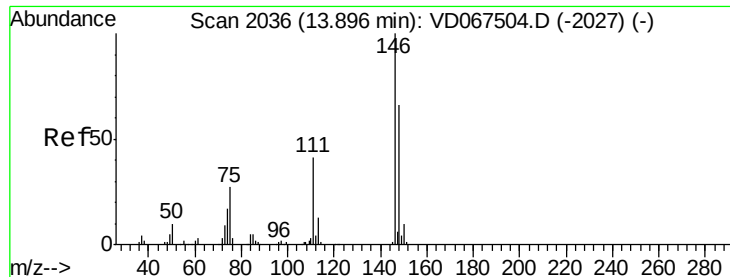
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#90
Hexachloroethane
Concen: 50.329 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	40.7	122.1





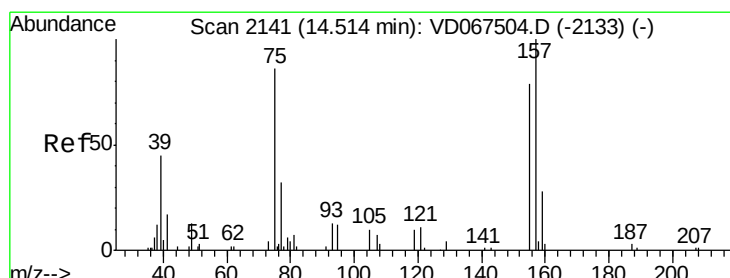
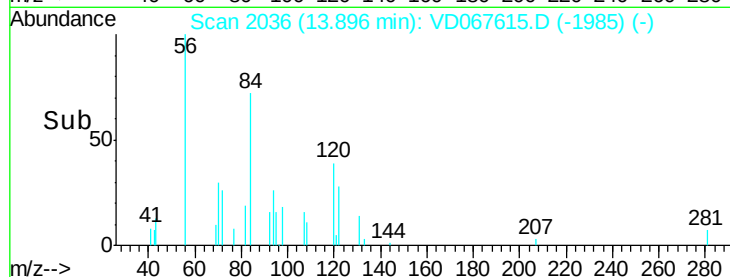
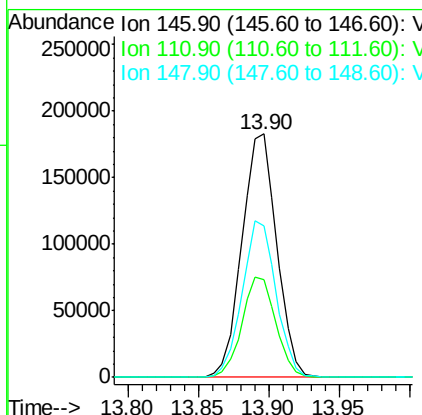
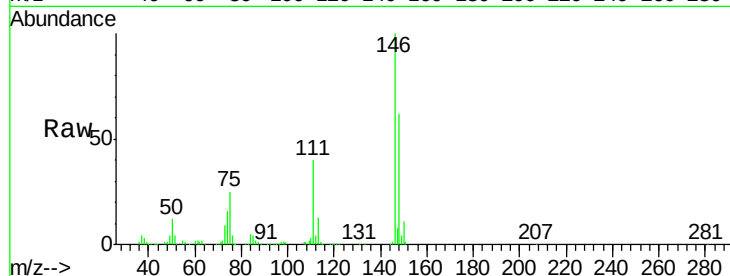
#91
 1,2-Dichlorobenzene
 Concen: 52.160 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.7	62.1
148	62.6	31.5	94.5

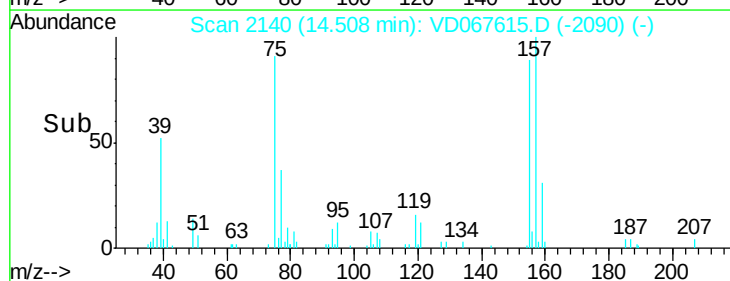
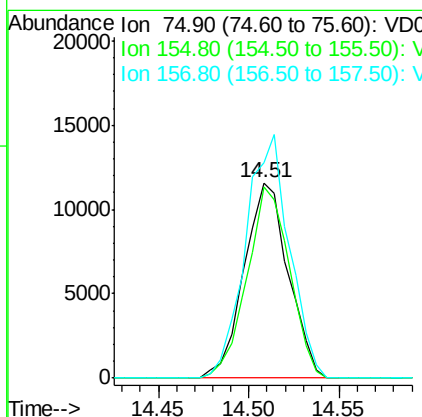
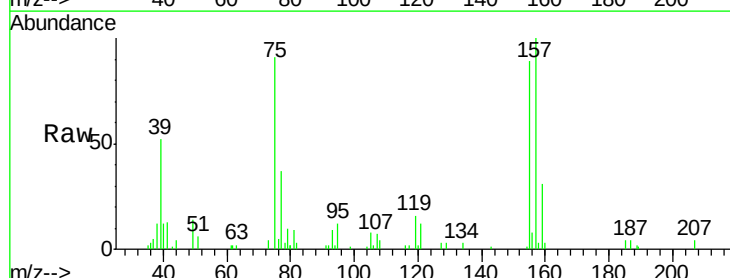
Manual Integrations
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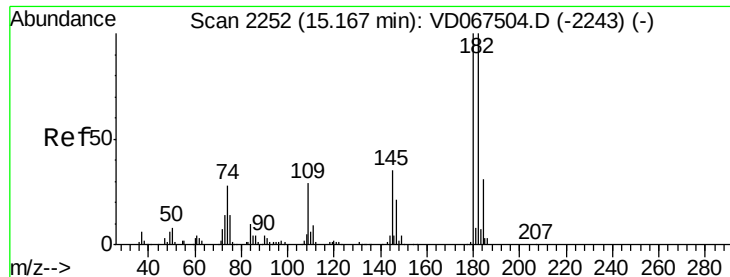
MMDadoda
 11/16/2020 2:34:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.557 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	46.6	139.8
157	122.8	58.1	174.2





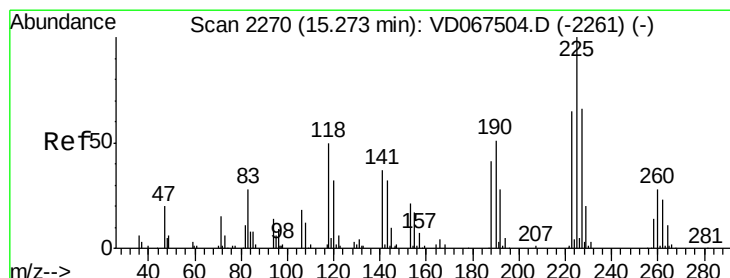
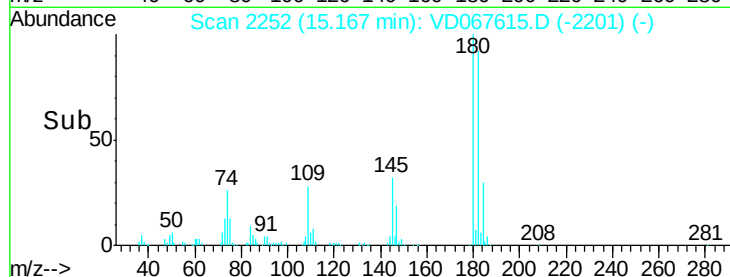
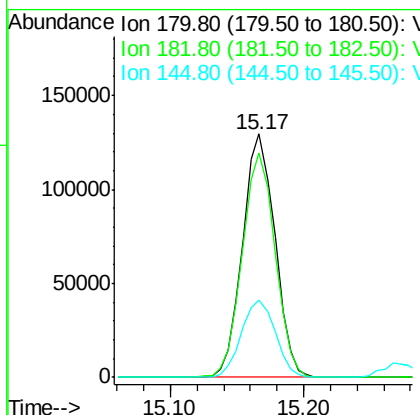
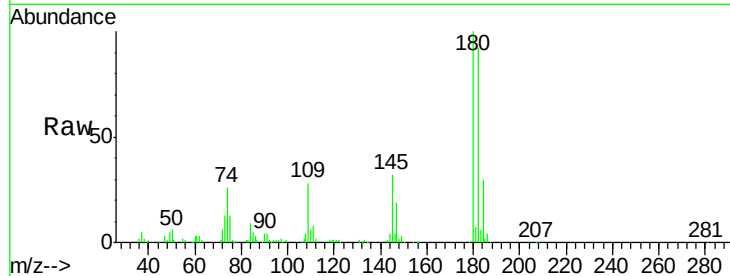
#93
 1,2,4-Trichlorobenzene
 Concen: 52.746 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.5	47.4	142.3	
145	33.3	16.2	48.6	

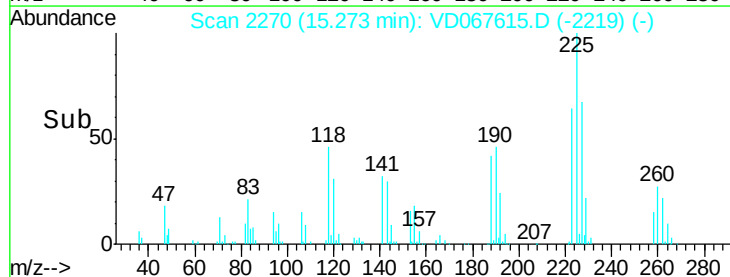
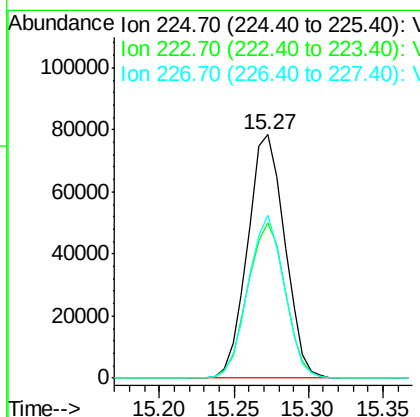
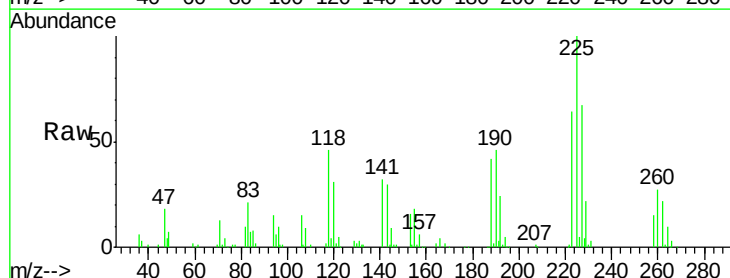
Manual Integrations
 APPROVED

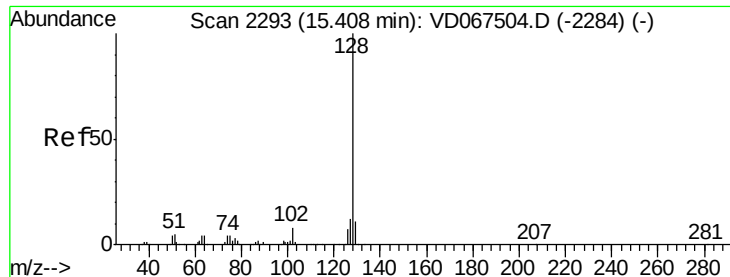
MMDadoda
 11/16/2020 2:34:40 PM



#94
 Hexachlorobutadiene
 Concen: 49.109 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.7	31.9	95.5	
227	65.6	32.5	97.4	





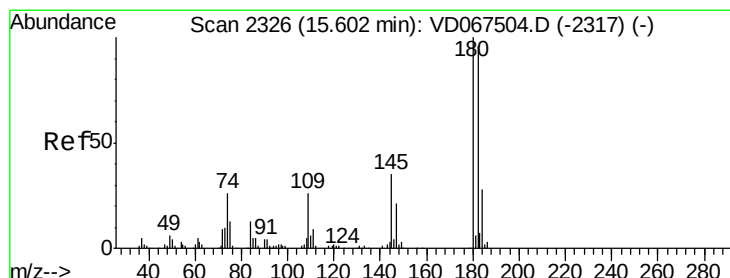
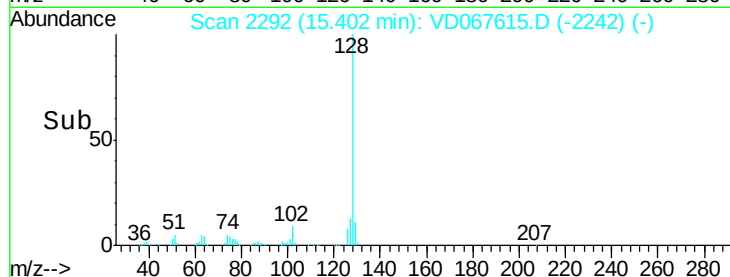
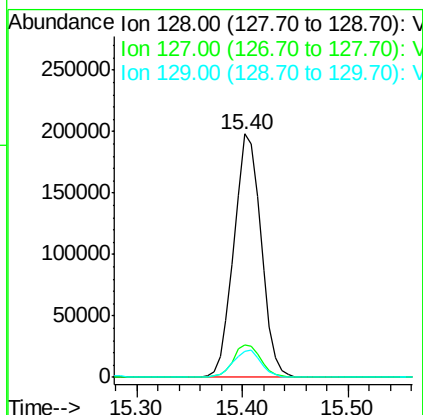
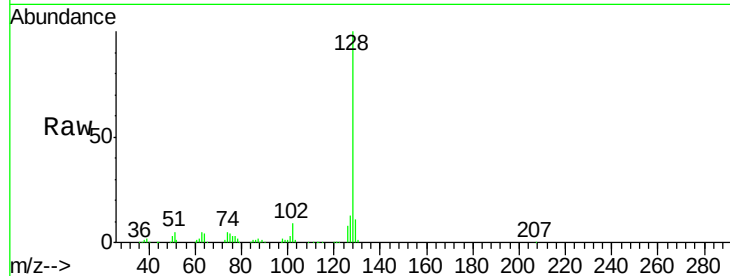
#95
Naphthalene
Concen: 55.524 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	352299		
127	13.5		10.2	15.4
129	11.2		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:34:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.457 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	188212		
182	93.6		46.9	140.8
145	33.4		17.1	51.2

