

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067424.D
 Acq On : 27 Oct 2020 20:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 11:45:14 AM

Quant Time: Oct 28 01:54:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	310829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	475283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	447669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	159591	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.92	113	170715	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
50) Toluene-d8	10.34	98	593422	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.64	95	208344	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	102307	40.143	ug/l	94
3) Chloromethane	2.21	50	79827	40.807	ug/l	95
4) Vinyl Chloride	2.35	62	86766	40.425	ug/l	94
5) Bromomethane	2.77	94	71310	47.632	ug/l	95
6) Chloroethane	2.92	64	58761	43.959	ug/l	95
7) Trichlorofluoromethane	3.27	101	239555	44.323	ug/l	98
8) Diethyl Ether	3.70	74	61855	50.014	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	130032	45.284	ug/l	98
10) Methyl Iodide	4.30	142	119833	45.239	ug/l	100
11) Tert butyl alcohol	5.21	59	41827	260.212	ug/l	100
12) 1,1-Dichloroethene	4.07	96	119018	46.395	ug/l	99
13) Acrolein	3.93	56	38959	212.854	ug/l	99
14) Allyl chloride	4.71	41	147313	50.144	ug/l	98
15) Acrylonitrile	5.43	53	110822	268.550	ug/l	99
16) Acetone	4.16	43	106997	245.337	ug/l	99
17) Carbon Disulfide	4.41	76	304846	41.684	ug/l	99
18) Methyl Acetate	4.71	43	52614	52.892	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	277957	54.492	ug/l	98
20) Methylene Chloride	4.96	84	155881	56.372	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	148088	50.163	ug/l	93
22) Diisopropyl ether	6.37	45	294775	54.927	ug/l	95
23) Vinyl Acetate	6.30	43	848244	277.823	ug/l	99
24) 1,1-Dichloroethane	6.27	63	239068	52.041	ug/l	97
25) 2-Butanone	7.21	43	133482	268.503	ug/l	98
26) 2,2-Dichloropropane	7.21	77	220351	46.536	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	168908	52.206	ug/l	100
28) Bromochloromethane	7.55	49	84334	53.822	ug/l	96
29) Tetrahydrofuran	7.57	42	76355	276.301	ug/l	95
30) Chloroform	7.71	83	285886	52.094	ug/l	94
31) Cyclohexane	7.98	56	147538	41.135	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	266338	49.464	ug/l	100
36) 1,1-Dichloropropene	8.11	75	187740	46.605	ug/l	99
37) Ethyl Acetate	7.30	43	62572	52.794	ug/l	95
38) Carbon Tetrachloride	8.10	117	242863	47.171	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	190505	45.236	ug/l	95
40) Benzene	8.36	78	562644	50.912	ug/l	98
41) Methacrylonitrile	7.53	41	28330	44.233	ug/l	92
42) 1,2-Dichloroethane	8.43	62	174146	50.353	ug/l	100
43) Isopropyl Acetate	8.46	43	125586	53.401	ug/l	98
44) Trichloroethene	9.11	130	175910	49.715	ug/l	99
45) 1,2-Dichloropropane	9.39	63	129435	50.536	ug/l	97
46) Dibromomethane	9.48	93	82916	51.960	ug/l	98
47) Bromodichloromethane	9.67	83	224762	52.571	ug/l	95
48) Methyl methacrylate	9.46	41	68357	59.811	ug/l	88
49) 1,4-Dioxane	9.46	88	17679	1149.340	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	320376	273.128	ug/l	99
52) Toluene	10.41	92	385958	51.276	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	196297	52.265	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	228500	51.986	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	113350	52.090	ug/l	98
56) Ethyl methacrylate	10.67	69	123496	54.722	ug/l	98
57) 1,3-Dichloropropane	10.95	76	186003	53.711	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	323287	279.240	ug/l	99
59) 2-Hexanone	10.99	43	215139	268.408	ug/l	97
60) Dibromochloromethane	11.14	129	162580	51.231	ug/l	98
61) 1,2-Dibromoethane	11.25	107	111240	51.853	ug/l	98
64) Tetrachloroethene	10.88	164	156518	48.256	ug/l	96
65) Chlorobenzene	11.67	112	433879	50.542	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	176575	51.753	ug/l	99
67) Ethyl Benzene	11.75	91	746772	50.747	ug/l	99
68) m/p-Xylenes	11.86	106	575851	101.620	ug/l	98
69) o-Xylene	12.18	106	267283	50.936	ug/l	97
70) Styrene	12.20	104	461956	51.140	ug/l	100
71) Bromoform	12.37	173	95702	52.212	ug/l #	99
73) Isopropylbenzene	12.48	105	731800	50.605	ug/l	100
74) N-amyl acetate	12.29	43	109769	50.258	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	113034	51.013	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	81787m	51.789	ug/l	
77) Bromobenzene	12.77	156	183533	50.906	ug/l	98
78) n-propylbenzene	12.83	91	826520	49.330	ug/l	99
79) 2-Chlorotoluene	12.91	91	486334	50.052	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	634722	50.508	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	34444	49.460	ug/l	95
82) 4-Chlorotoluene	13.01	91	524423	50.852	ug/l	98
83) tert-Butylbenzene	13.23	119	542695	51.124	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	630509	50.764	ug/l	99
85) sec-Butylbenzene	13.41	105	705482	48.435	ug/l	100
86) p-Isopropyltoluene	13.52	119	672133	48.889	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	337563	48.645	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	342478	49.813	ug/l	99
89) n-Butylbenzene	13.85	91	576648	47.677	ug/l	99
90) Hexachloroethane	14.11	117	116867	48.713	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	308015	50.809	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19204	47.707	ug/l	95

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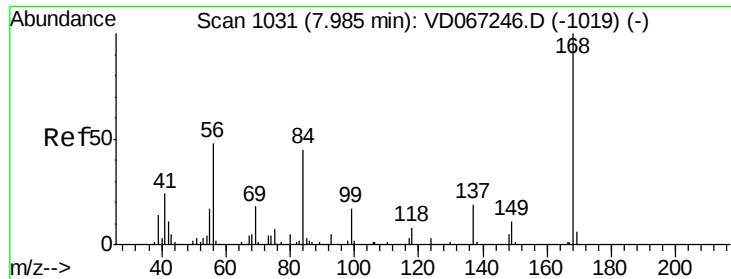
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	207063	50.660	ug/l	99
94) Hexachlorobutadiene	15.27	225	125127	49.299	ug/l	98
95) Naphthalene	15.41	128	361713	53.902	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	186475	52.810	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 310829

Ion Ratio Lower Upper

168 100

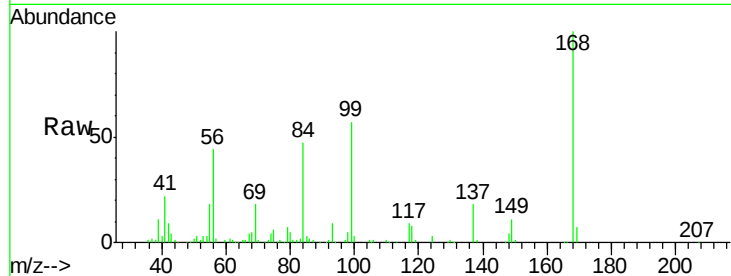
99 56.7 45.9 68.9

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

7.98

150000

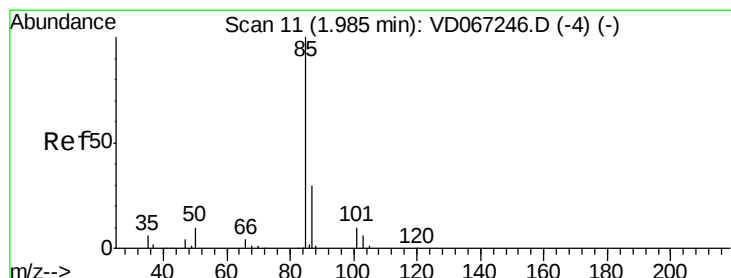
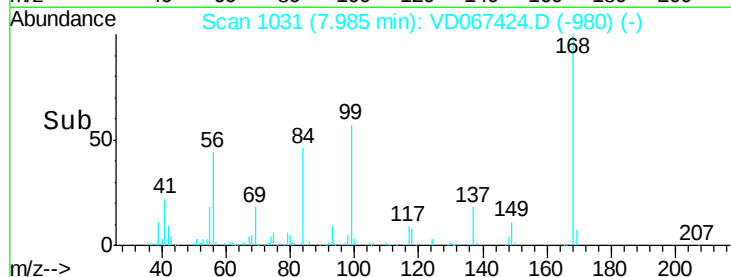
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.143 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067424.D

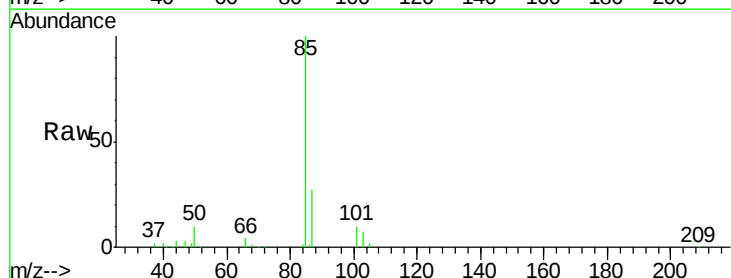
Acq: 27 Oct 2020 20:59

Tgt Ion: 85 Resp: 102307

Ion Ratio Lower Upper

85 100

87 27.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

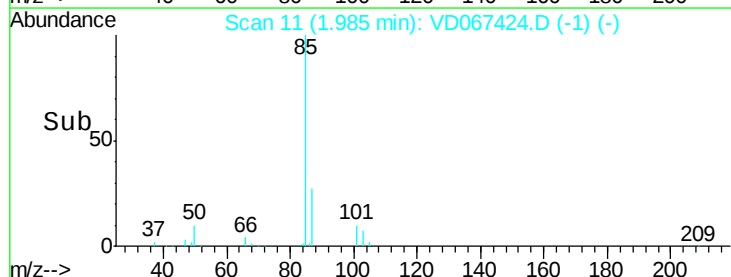
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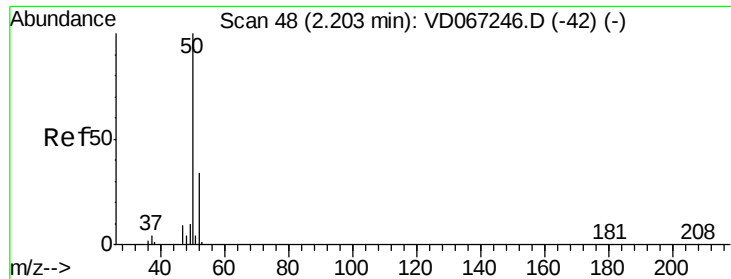
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 40.807 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 79827

Ion Ratio Lower Upper

50 100

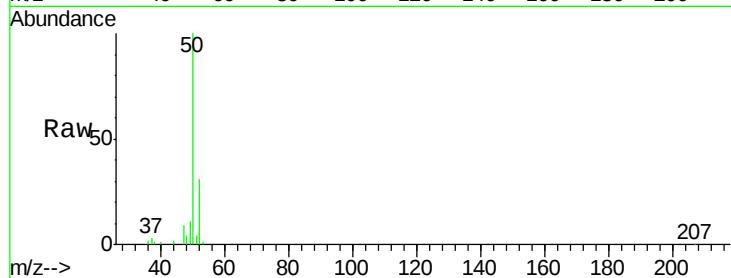
52 31.0 27.1 40.7

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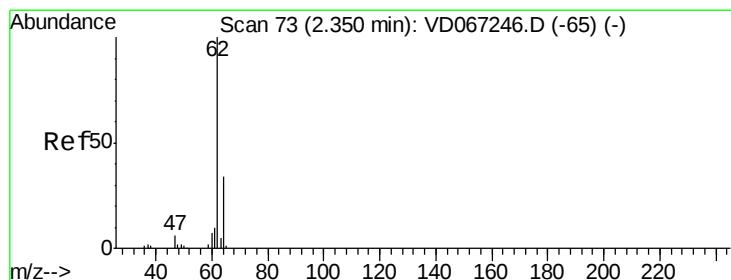
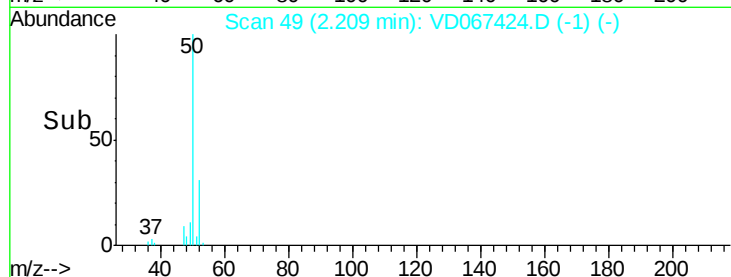
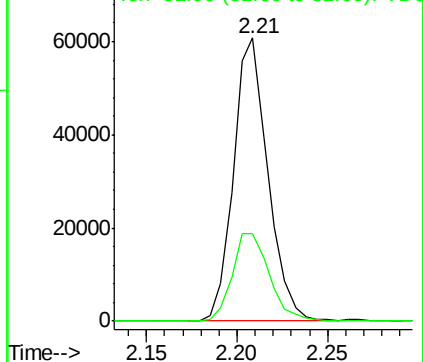
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 40.425 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067424.D

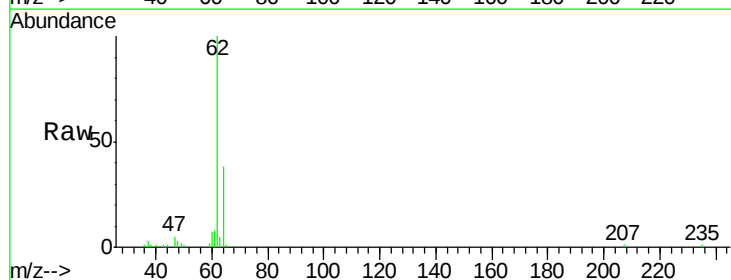
Acq: 27 Oct 2020 20:59

Tgt Ion: 62 Resp: 86766

Ion Ratio Lower Upper

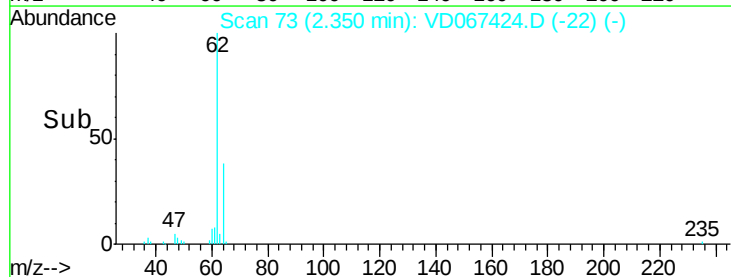
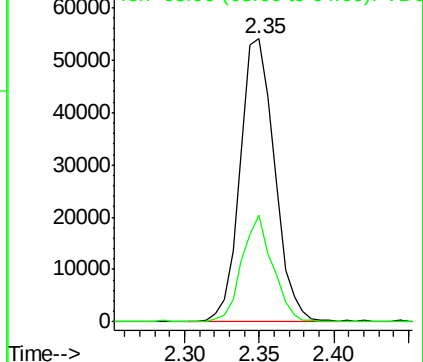
62 100

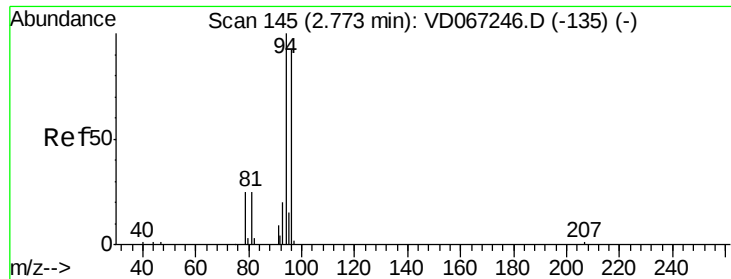
64 37.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.632 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 71310

Ion Ratio Lower Upper

94 100

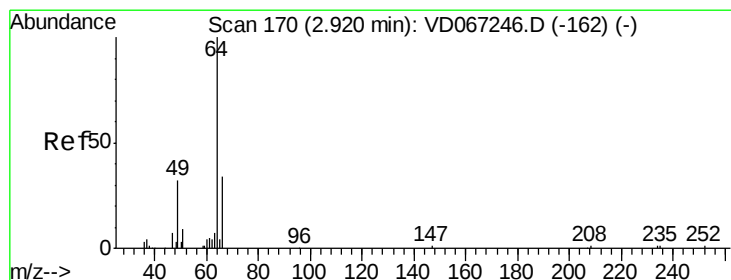
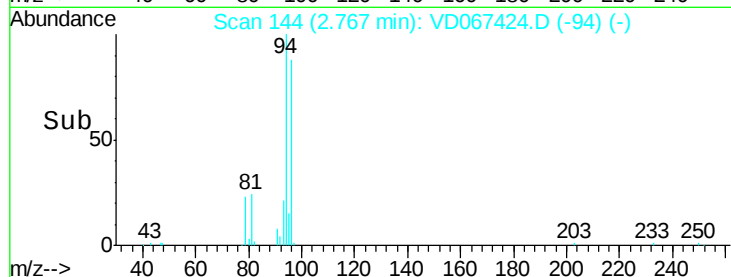
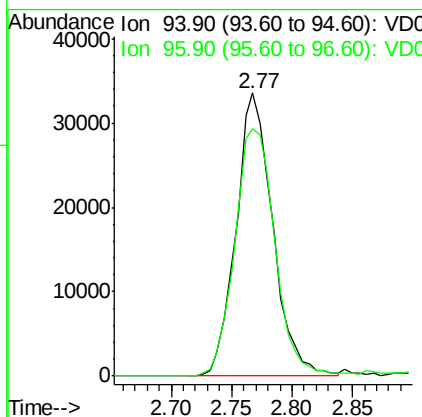
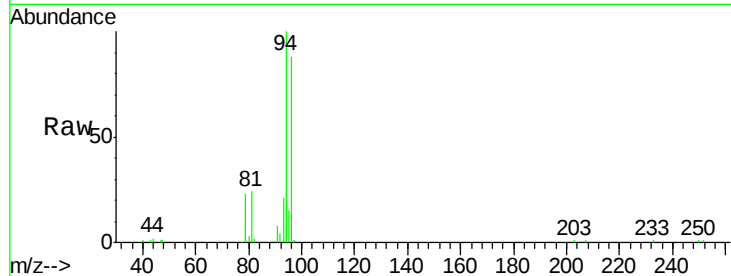
96 87.6 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 43.959 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067424.D

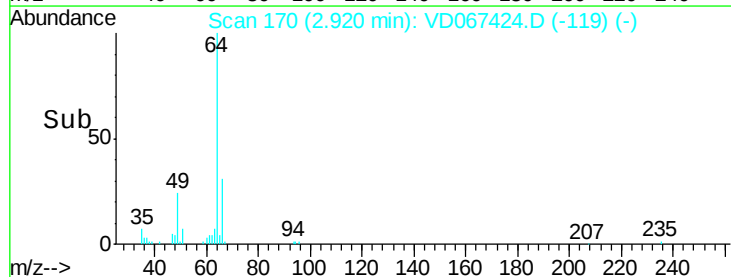
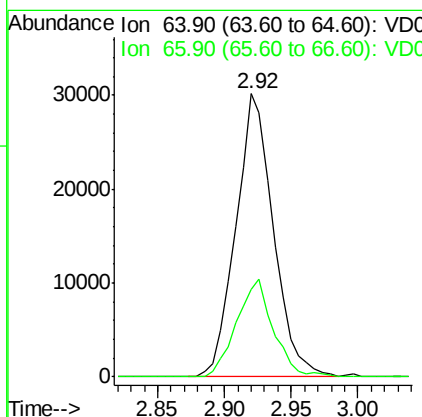
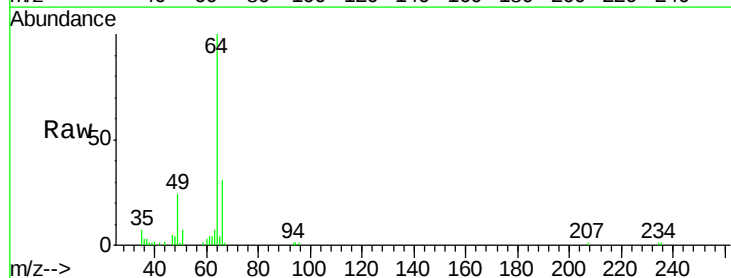
Acq: 27 Oct 2020 20:59

Tgt Ion: 64 Resp: 58761

Ion Ratio Lower Upper

64 100

66 31.1 27.4 41.0





#7

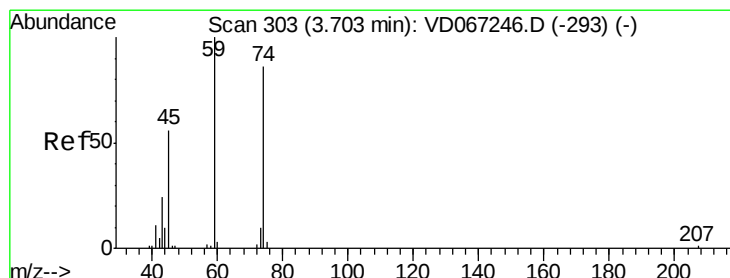
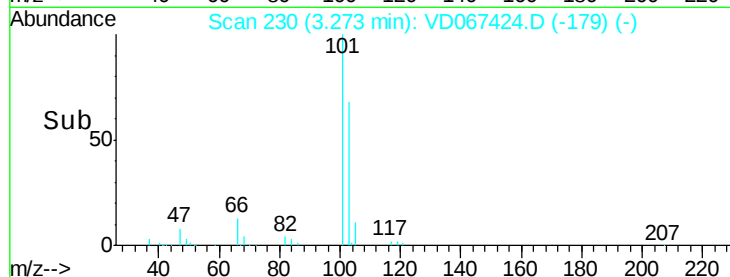
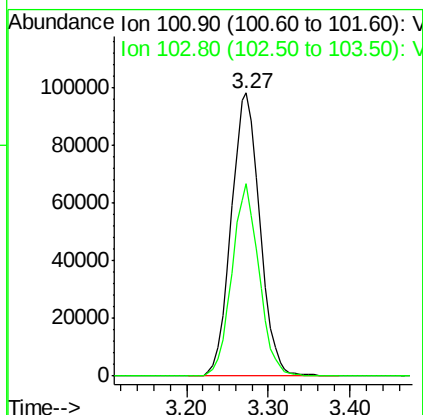
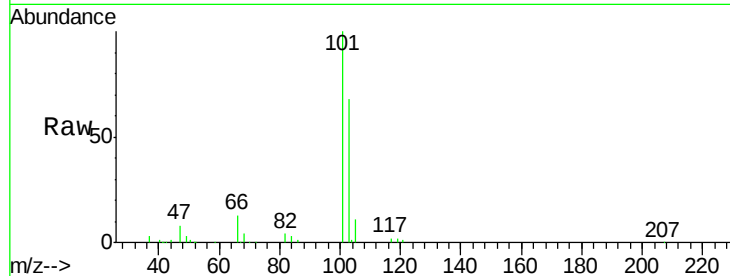
Trichlorofluoromethane
Concen: 44.323 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

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VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	239555		
103	68.1	53.1	79.7	

Manual Integrations
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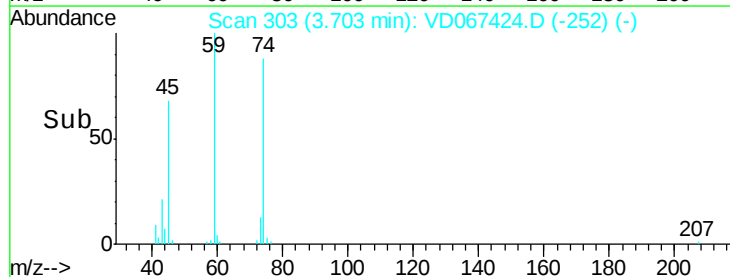
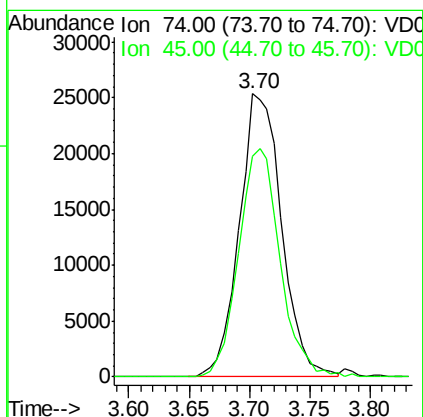
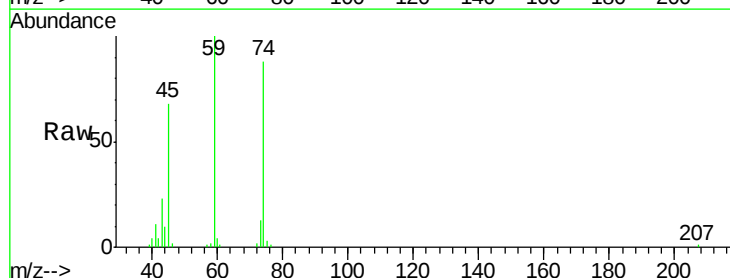
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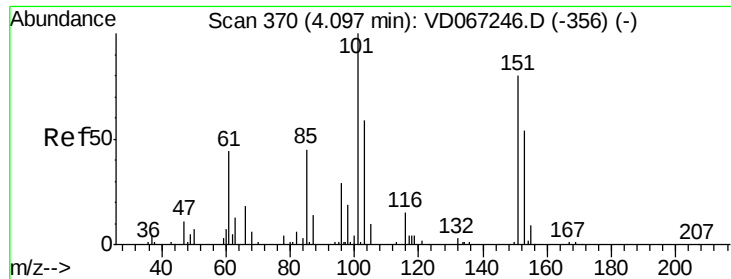


#8

Diethyl Ether
Concen: 50.014 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	61855		
45	79.2	37.0	111.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.284 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

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MSVOA_D

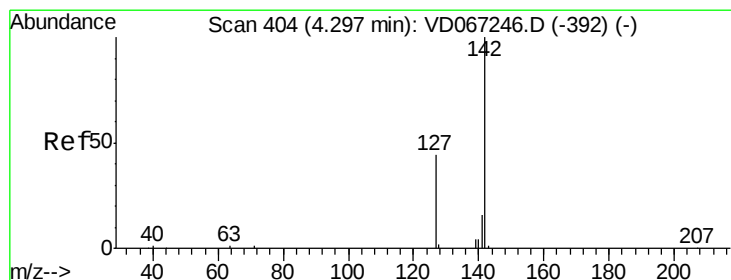
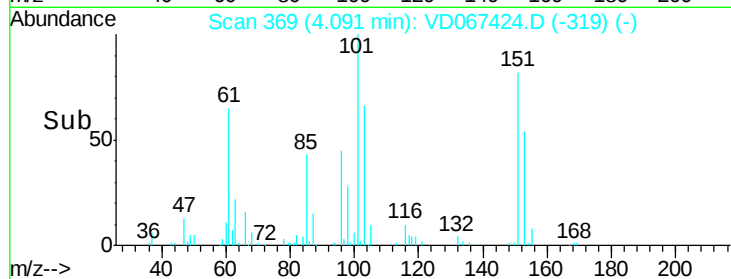
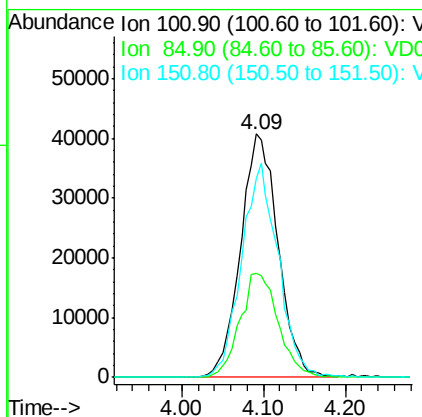
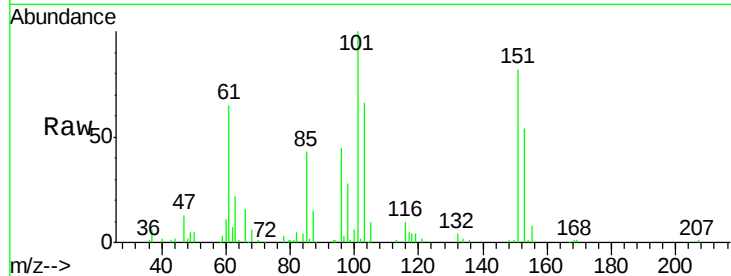
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	130032
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.4
151	86.1	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 45.239 ug/l

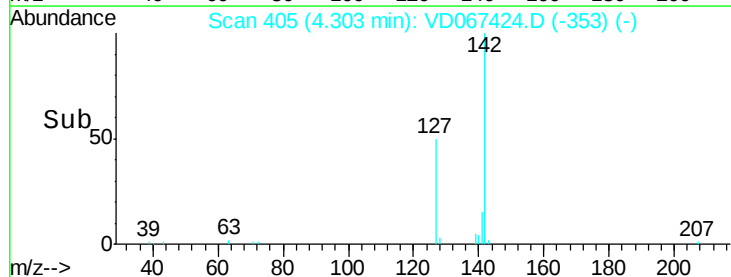
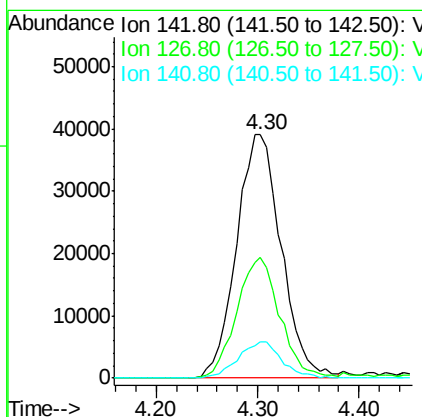
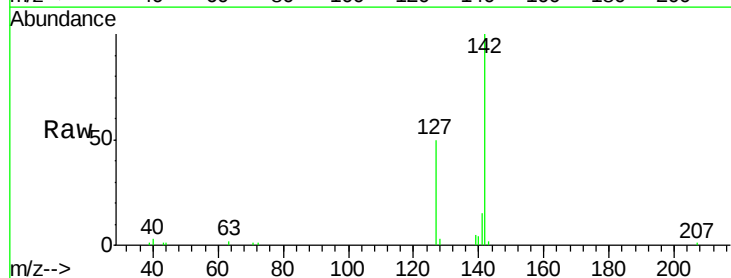
RT: 4.30 min Scan# 405

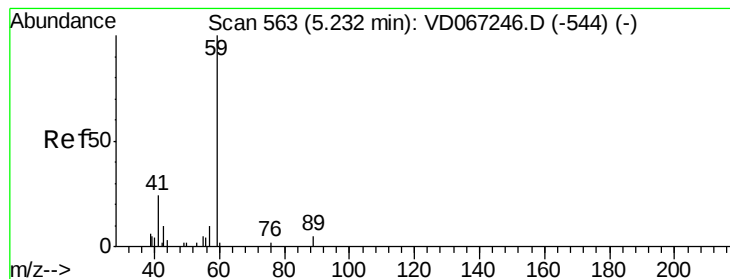
Delta R.T. 0.01 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Tgt Ion:	142	Resp:	119833
Ion Ratio	Lower	Upper	
142	100		
127	47.7	38.4	57.6
141	14.7	11.6	17.4





#11

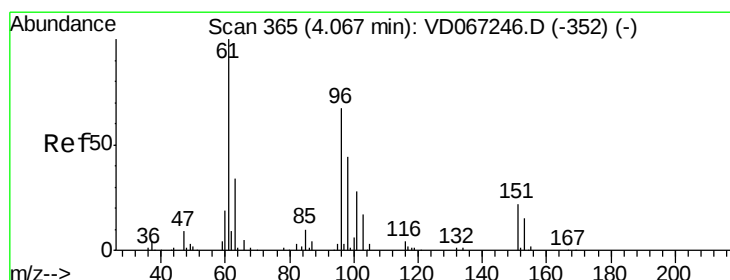
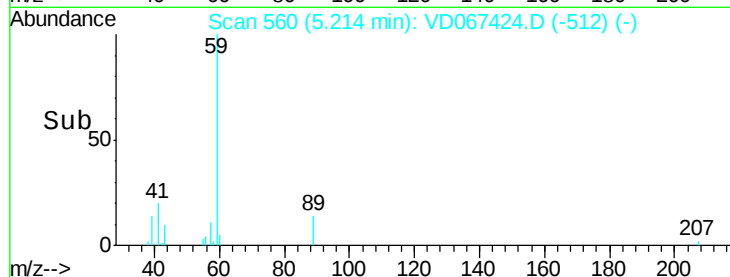
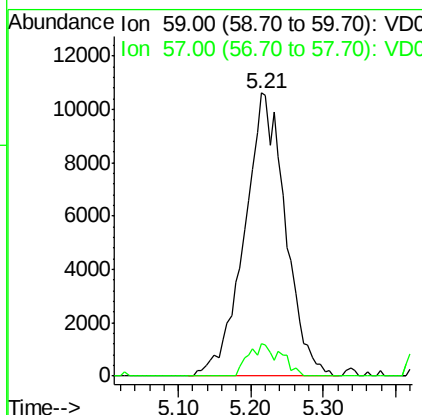
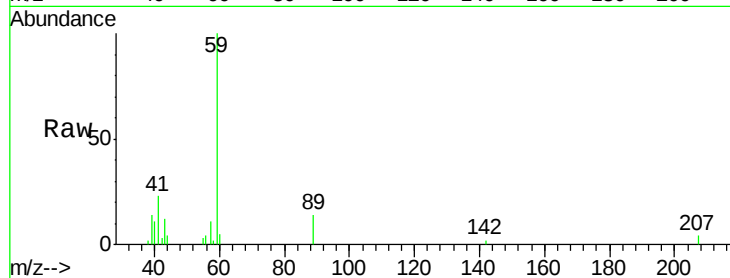
Tert butyl alcohol
Concen: 260.212 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 41827
Ion Ratio Lower Upper
59 100
57 6.3 5.1 7.7

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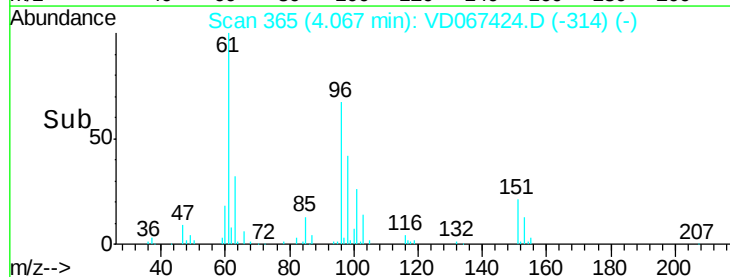
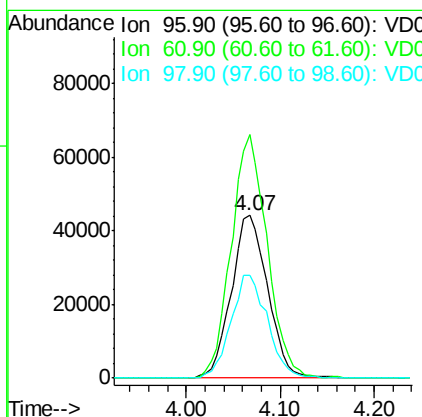
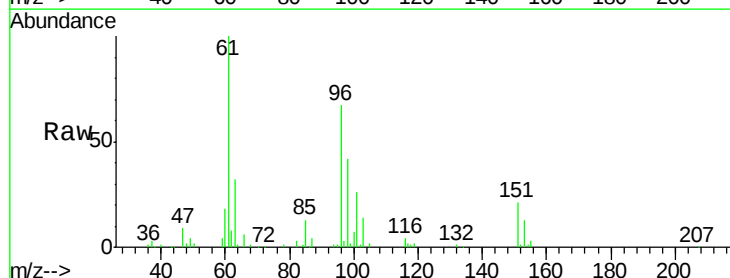
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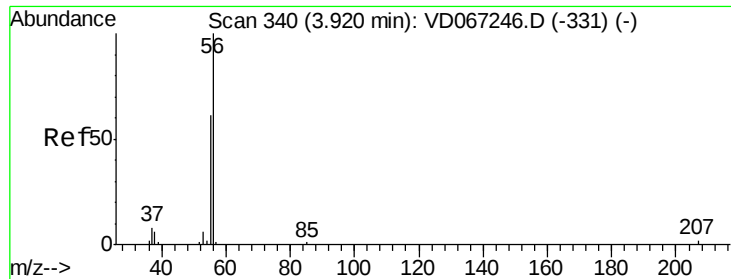


#12

1,1-Dichloroethene
Concen: 46.395 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion: 96 Resp: 119018
Ion Ratio Lower Upper
96 100
61 149.7 118.6 177.8
98 63.1 51.8 77.6





#13

Acrolein

Concen: 212.854 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38959

Ion Ratio Lower Upper

56 100

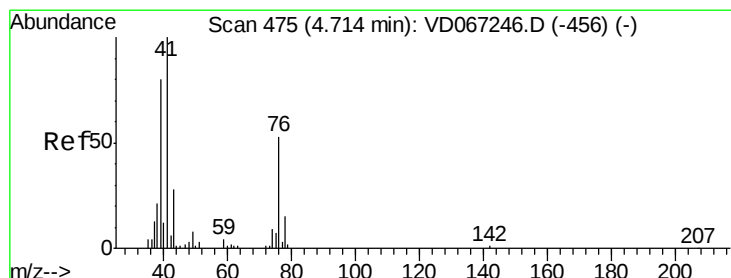
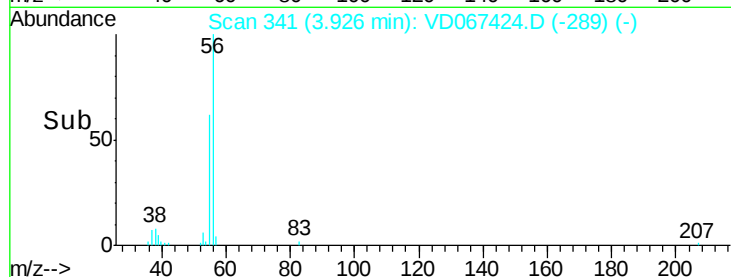
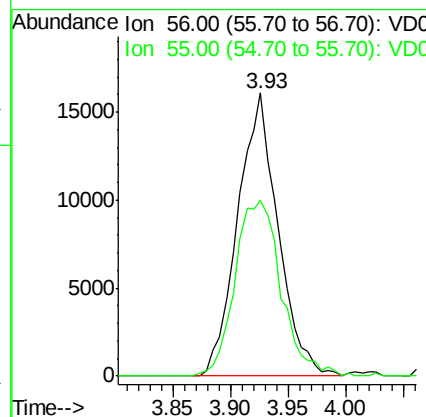
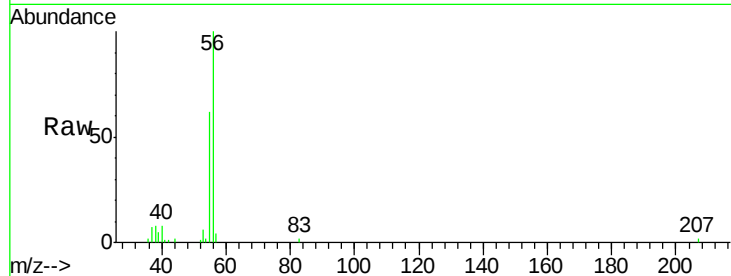
55 71.0 56.0 84.0

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#14

Allyl chloride

Concen: 50.144 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

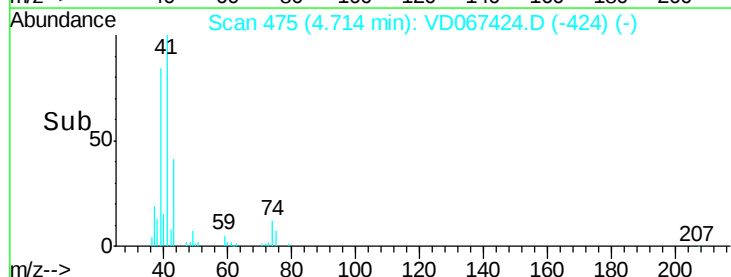
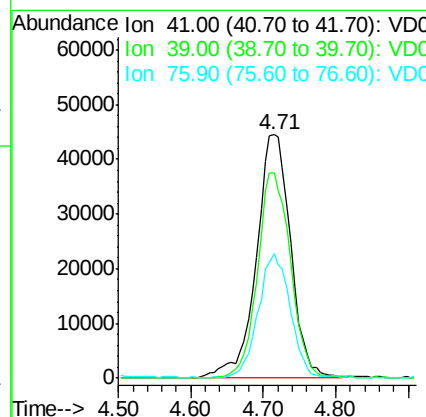
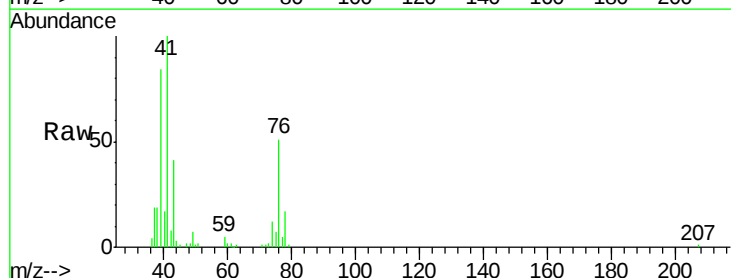
Tgt Ion: 41 Resp: 147313

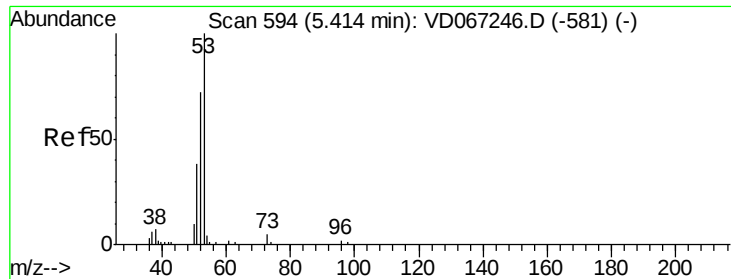
Ion Ratio Lower Upper

41 100

39 81.1 63.8 95.6

76 47.8 40.4 60.6





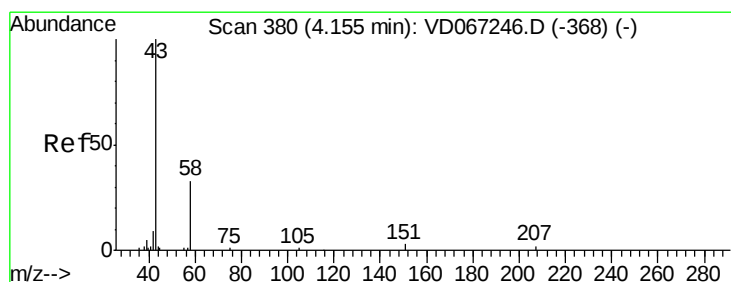
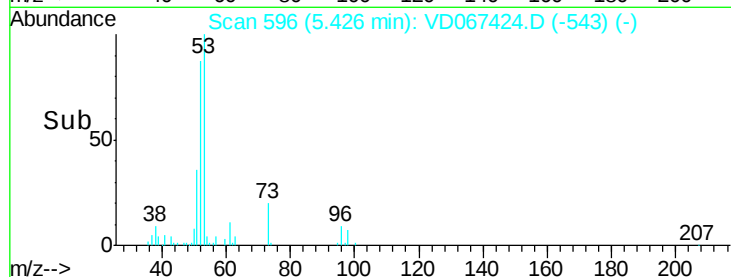
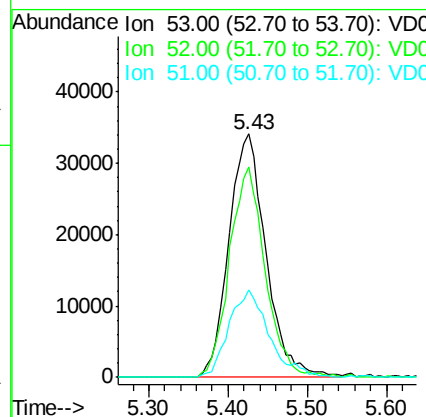
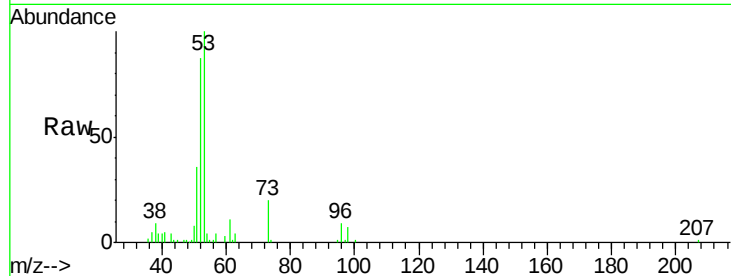
#15
 Acrylonitrile
 Concen: 268.550 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.6	98.4
51	38.7	30.8	46.2

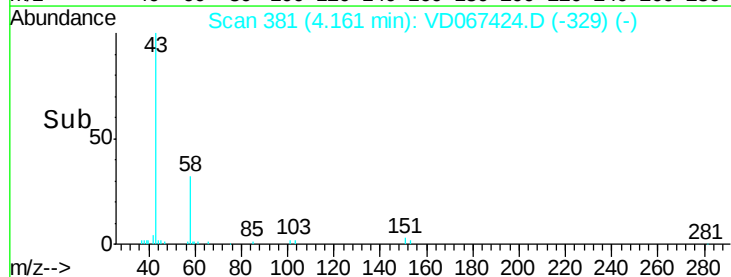
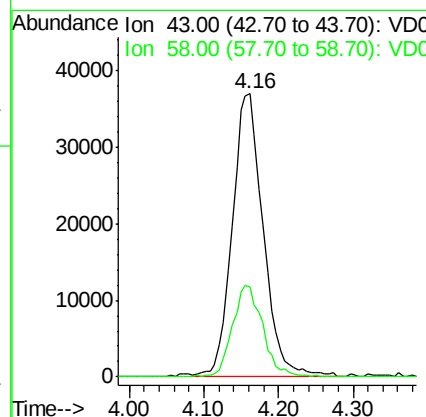
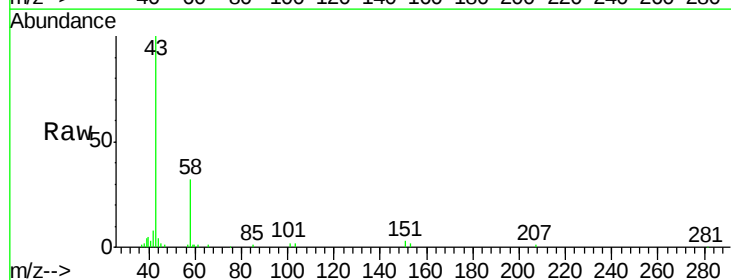
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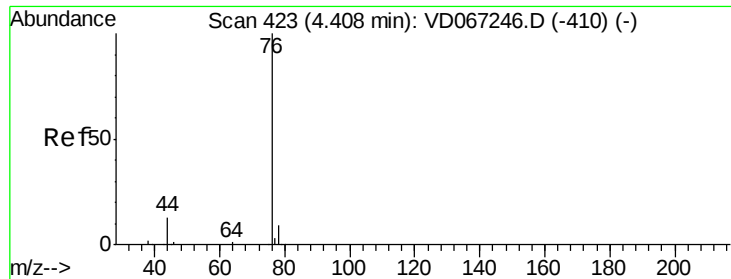
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#16
 Acetone
 Concen: 245.337 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.0	26.1	39.1





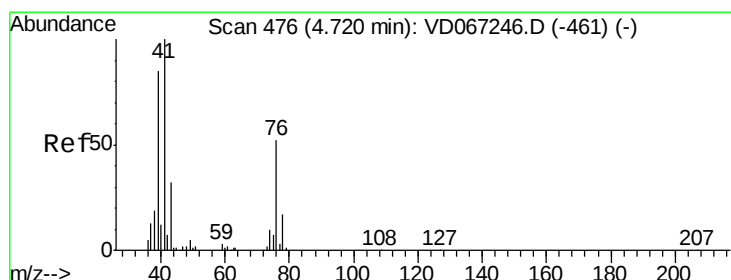
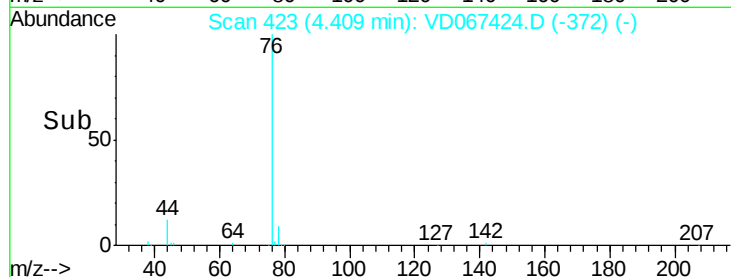
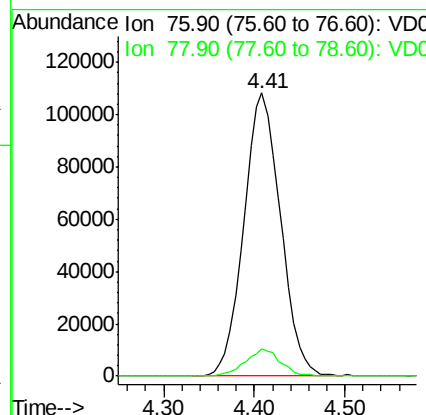
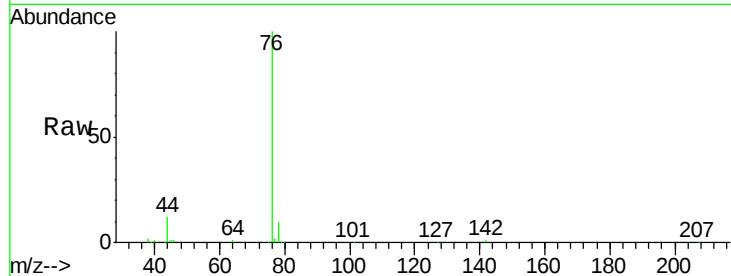
#17
Carbon Disulfide
Concen: 41.684 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

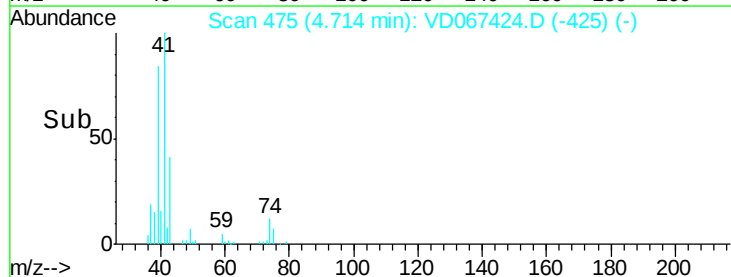
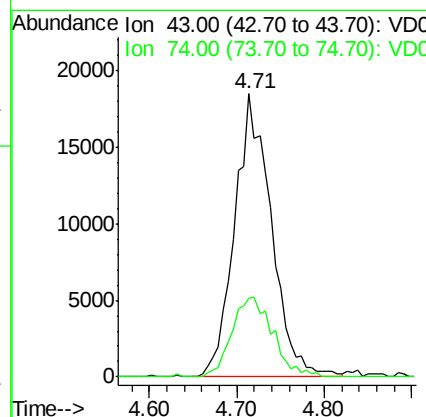
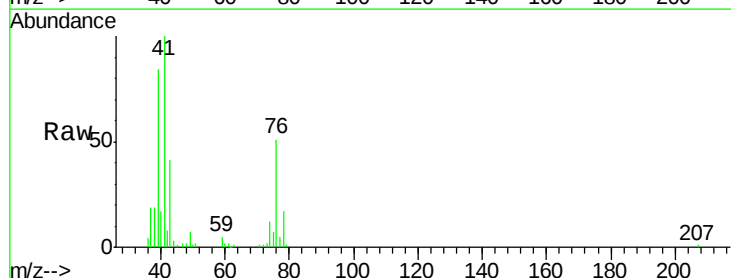
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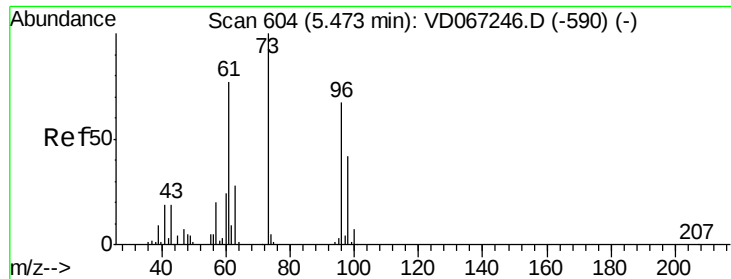
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#18
Methyl Acetate
Concen: 52.892 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.5	26.6	39.8





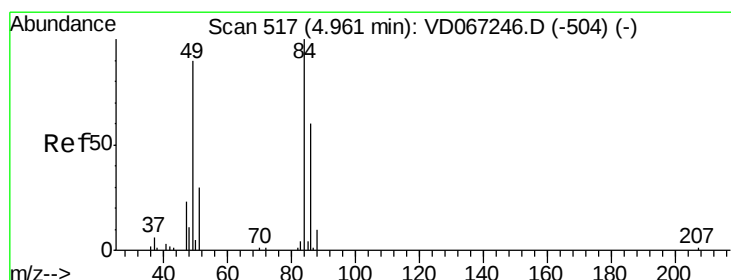
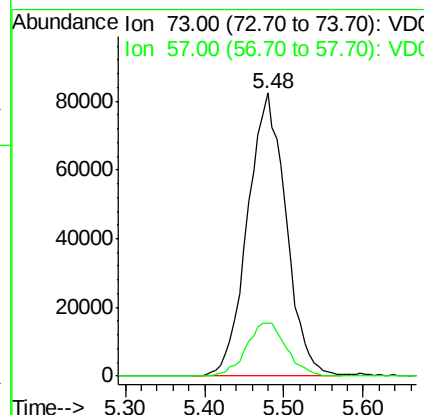
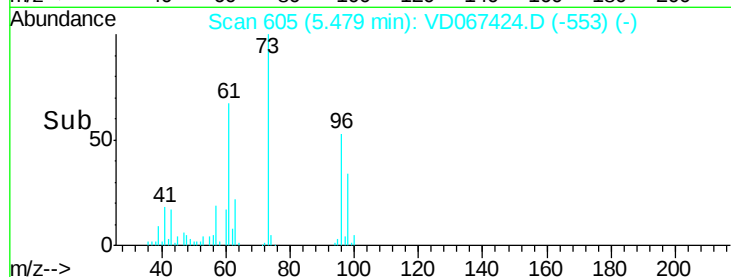
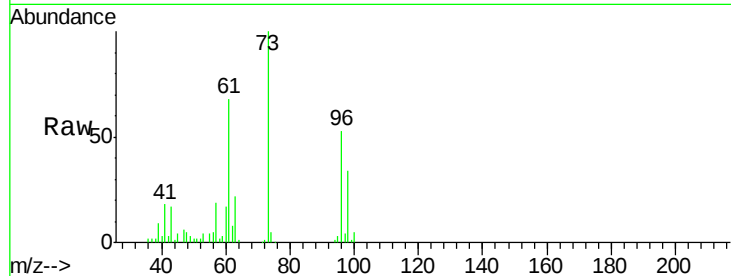
#19
Methvl tert-butvl Ether
Concen: 54.492 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 277957
Ion Ratio Lower Upper
73 100
57 18.8 15.7 23.5

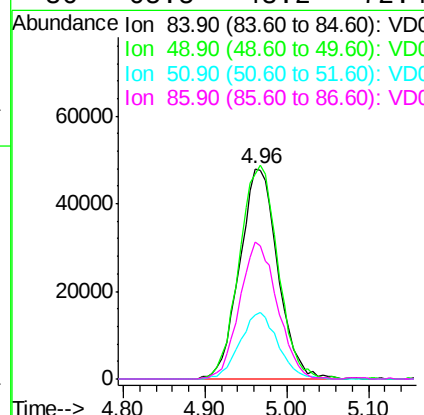
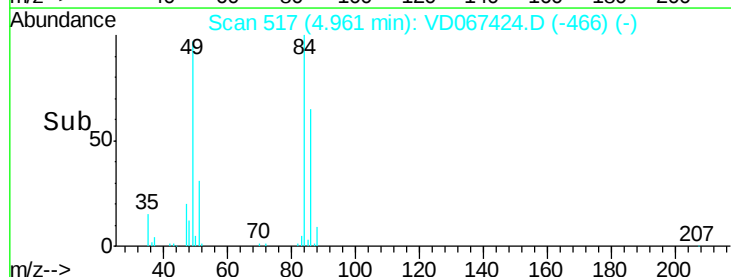
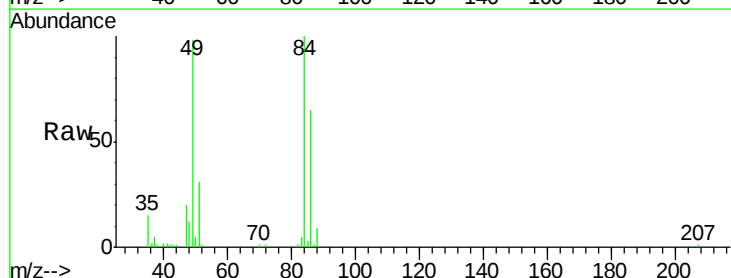
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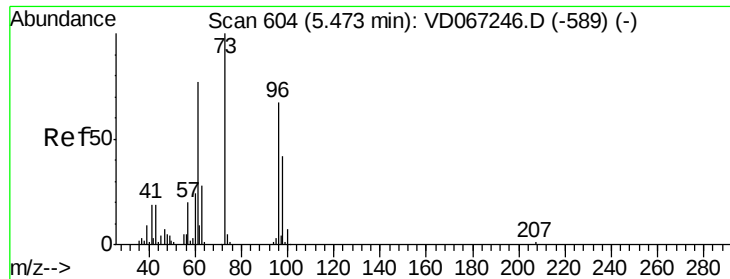
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#20
Methylene Chloride
Concen: 56.372 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion: 84 Resp: 155881
Ion Ratio Lower Upper
84 100
49 97.5 72.2 108.2
51 30.8 23.8 35.8
86 65.5 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 50.163 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

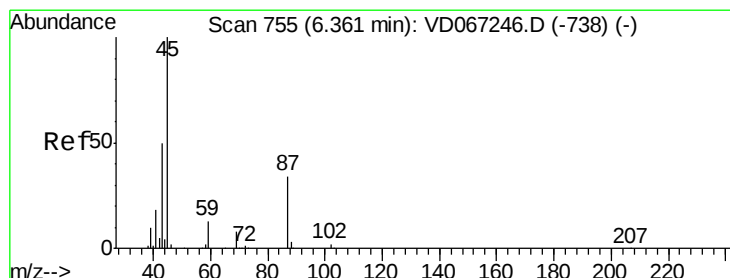
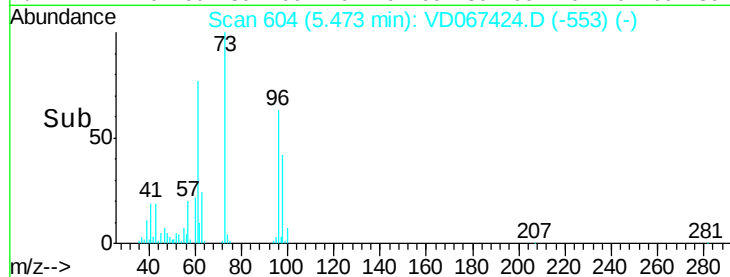
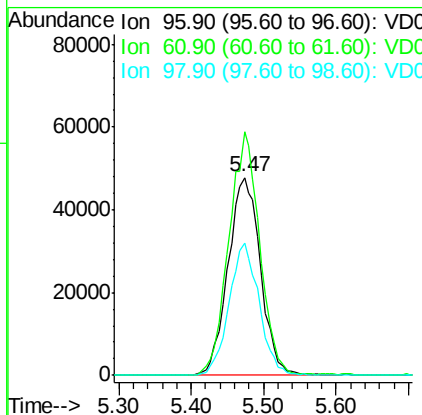
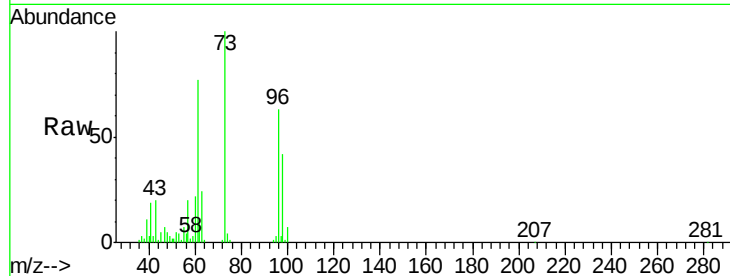
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	148088
Ion	Ratio	Lower	Upper
96	100		
61	123.1	92.0	138.0
98	66.7	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.927 ug/l

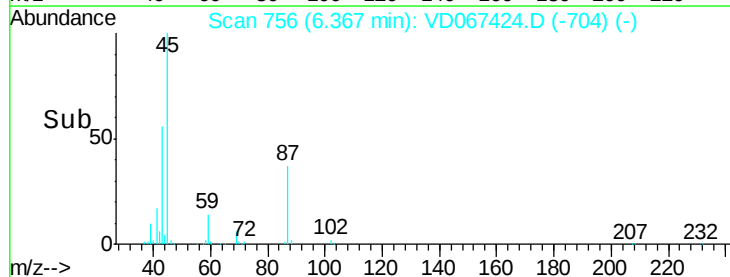
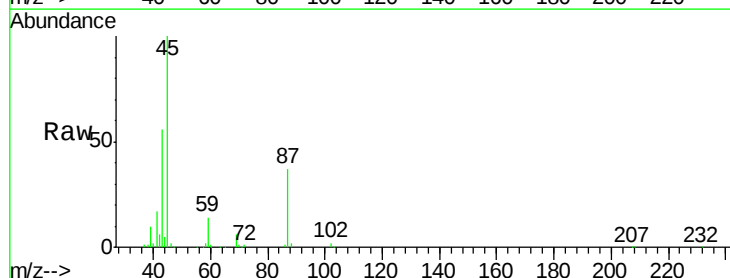
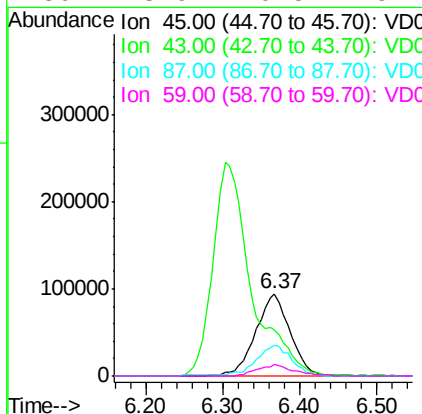
RT: 6.37 min Scan# 755

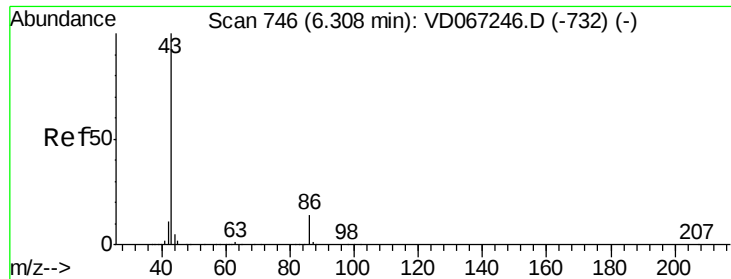
Delta R.T. 0.01 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Tgt Ion:	45	Resp:	294775
Ion	Ratio	Lower	Upper
45	100		
43	54.7	48.0	72.0
87	37.2	28.5	42.7
59	13.9	10.5	15.7





#23

Vinyl Acetate

Concen: 277.823 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 848244

Ion Ratio Lower Upper

43 100

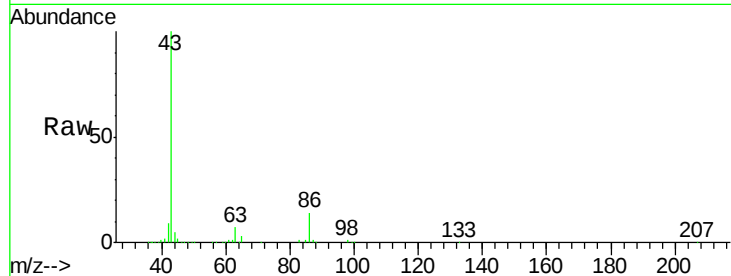
86 14.2 11.0 16.6

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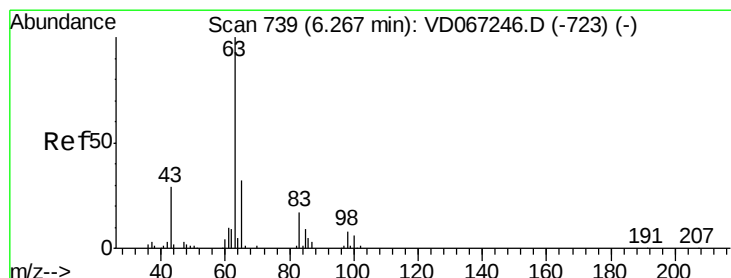
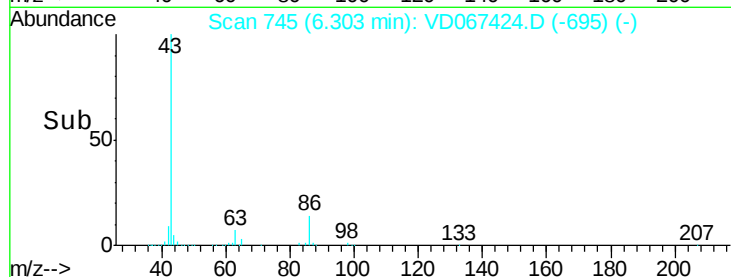
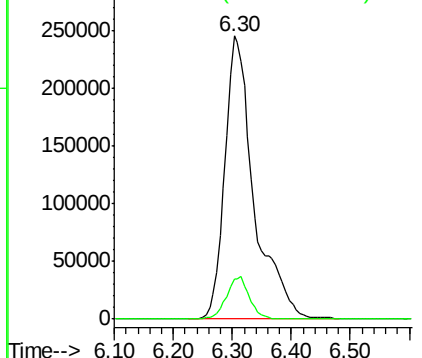
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.041 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

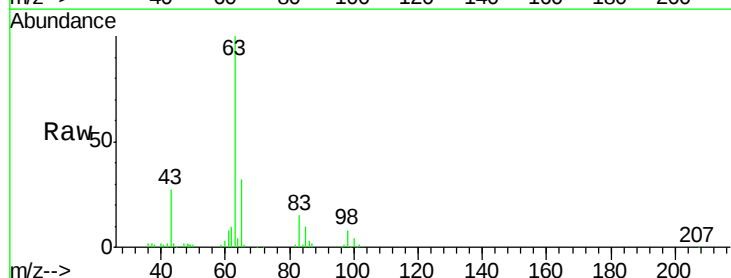
Tgt Ion: 63 Resp: 239068

Ion Ratio Lower Upper

63 100

98 7.6 4.0 12.2

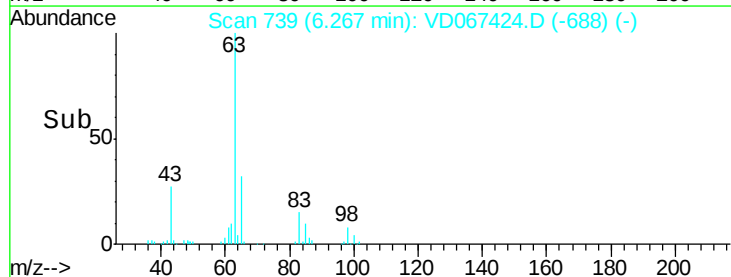
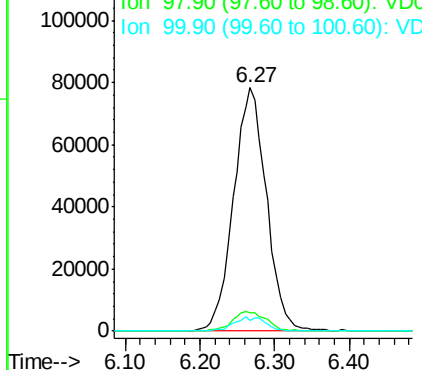
100 4.2 2.8 8.4

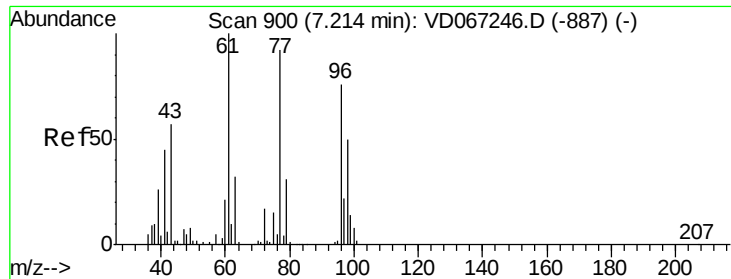


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 268.503 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 133482

Ion Ratio Lower Upper

43 100

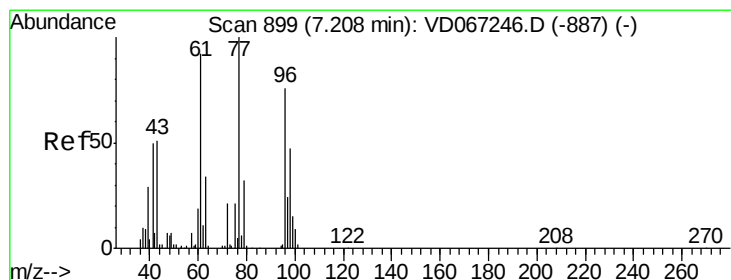
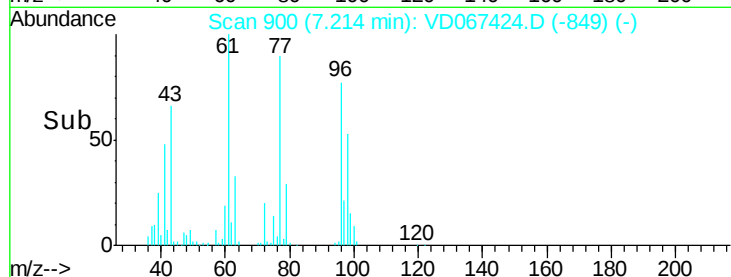
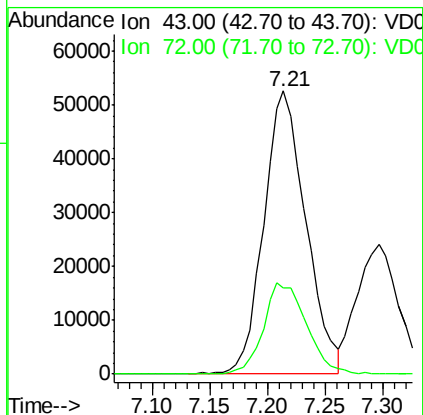
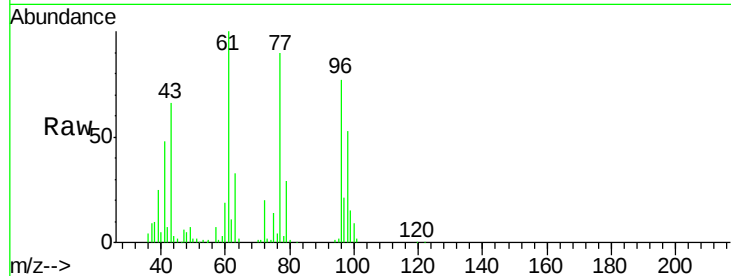
72 30.5 23.7 35.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.536 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067424.D

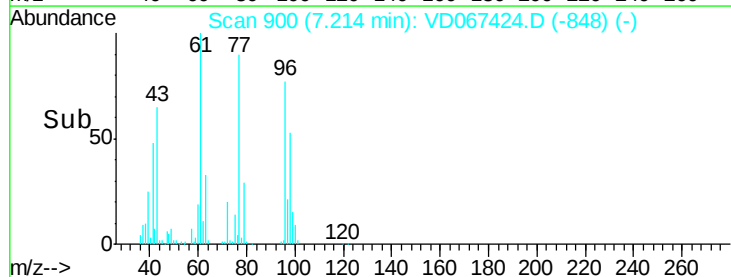
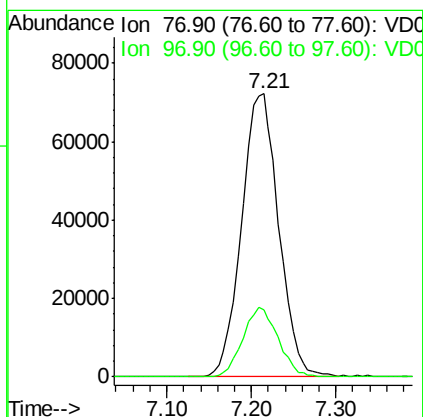
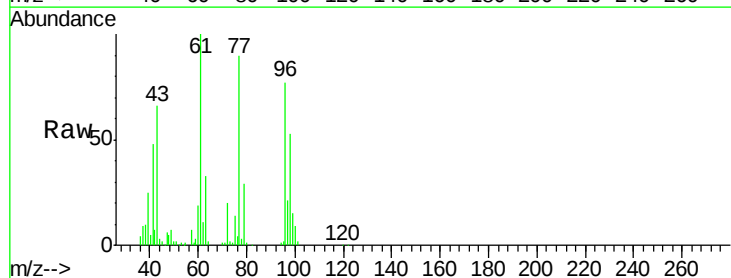
Acq: 27 Oct 2020 20:59

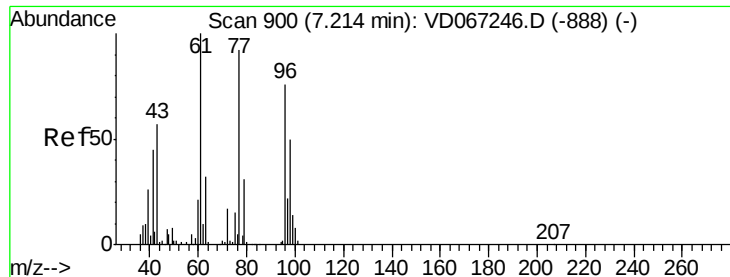
Tgt Ion: 77 Resp: 220351

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.2





#27

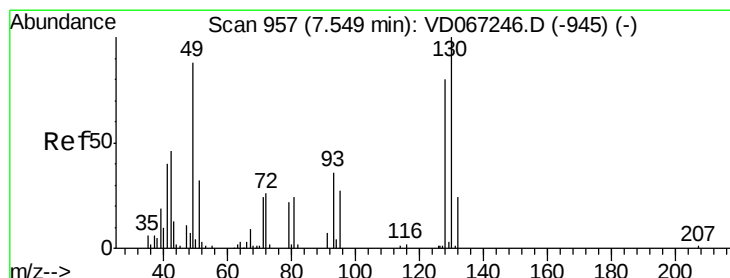
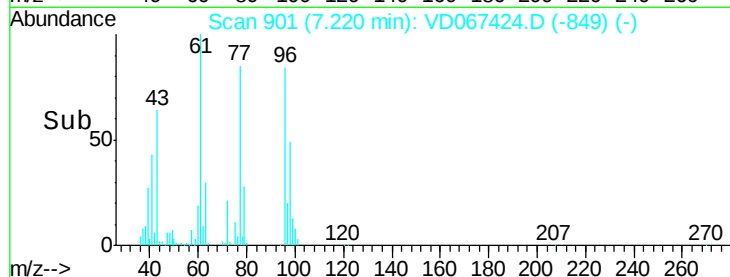
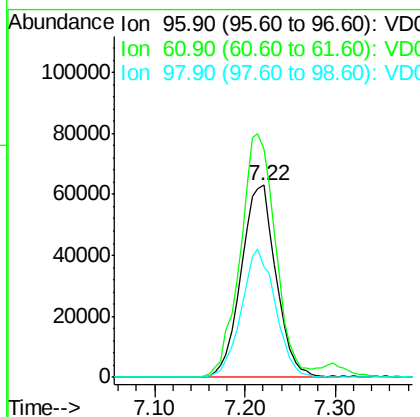
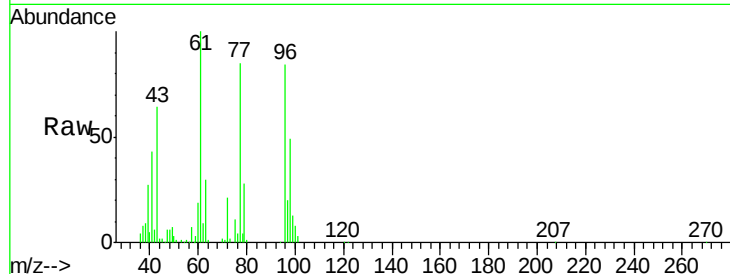
cis-1,2-Dichloroethene
 Concen: 52.206 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	168908		
61	127.6		0.0	255.4
98	65.0		0.0	128.0

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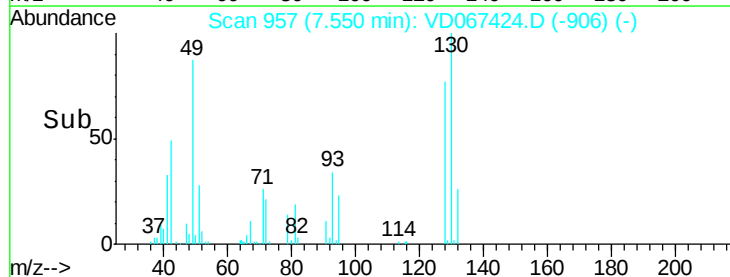
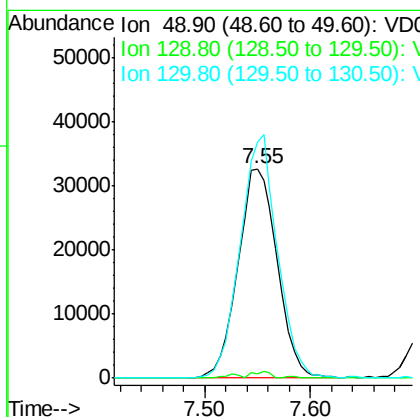
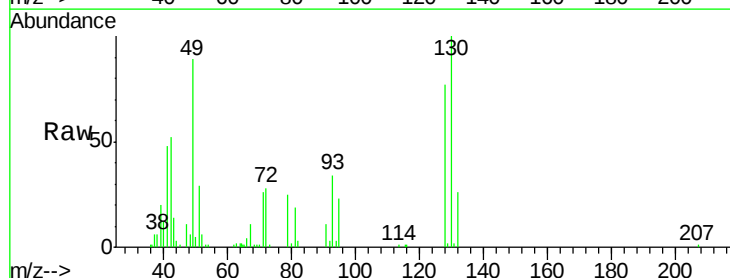
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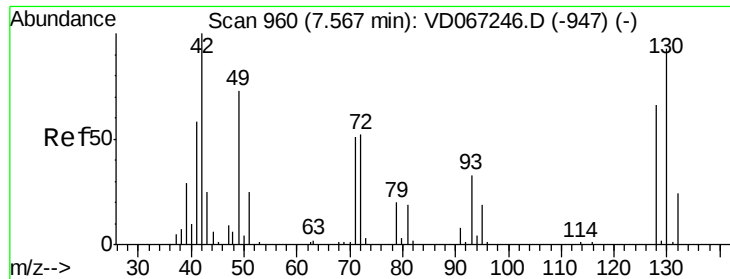


#28

Bromochloromethane
 Concen: 53.822 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84334		
129	1.4		0.0	1.6
130	109.8		91.0	136.6





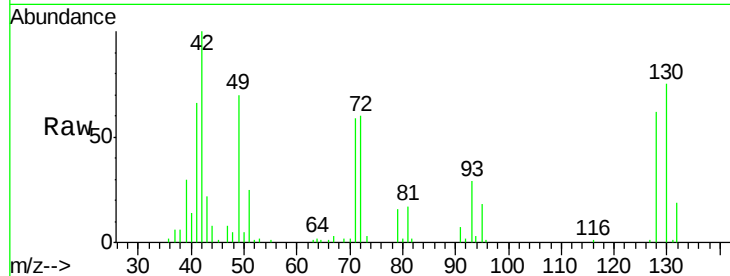
#29
Tetrahydrofuran
Concen: 276.301 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

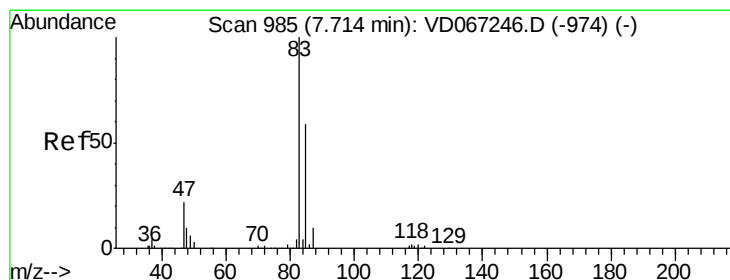
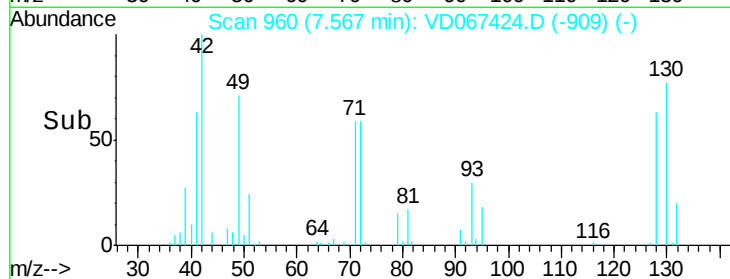
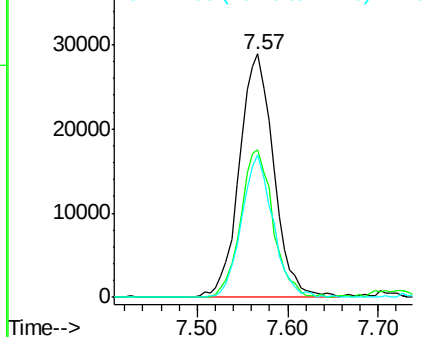
Tot Ion	Ratio	Lower	Upper
42	100		
72	56.6	43.2	64.8
71	53.3	39.4	59.0

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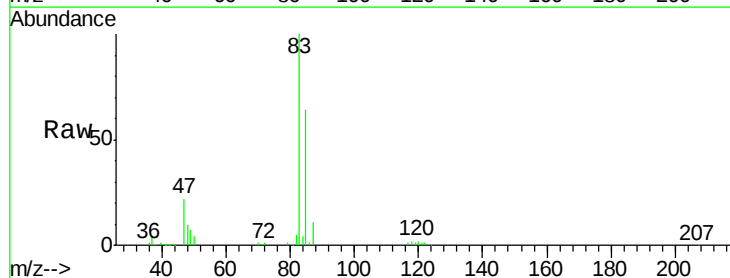


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

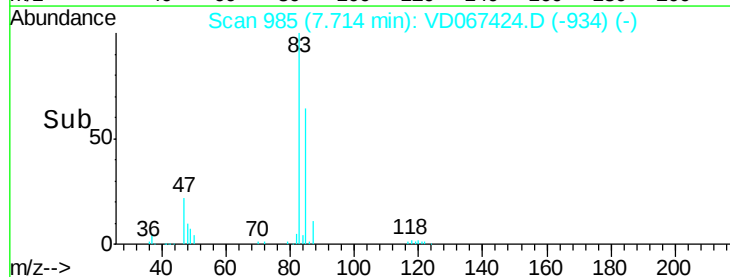
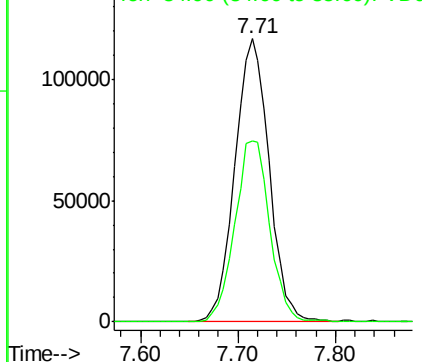


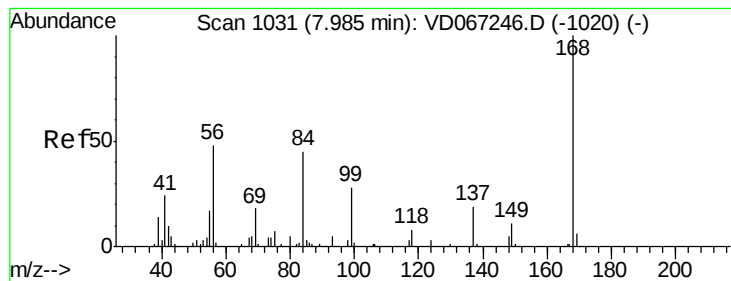
#30
Chloroform
Concen: 52.094 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	47.3	70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 41.135 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 147538

Ion Ratio Lower Upper

56 100

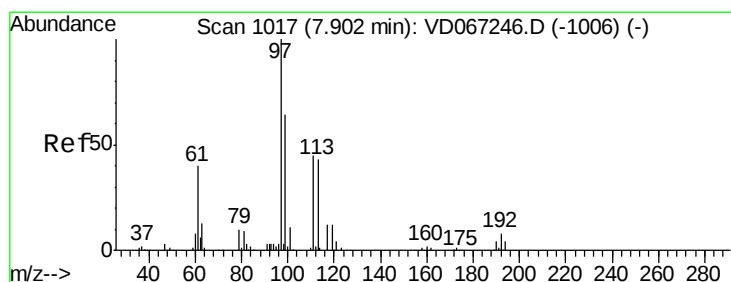
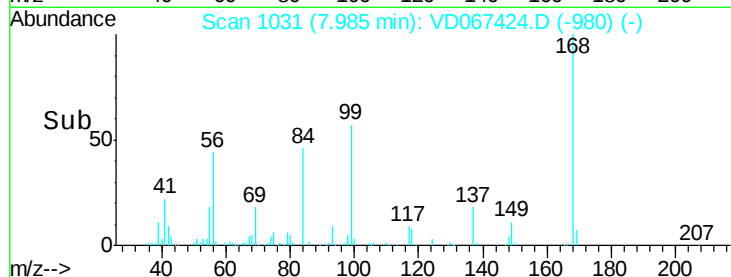
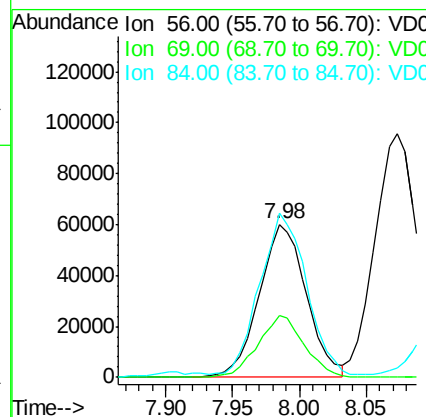
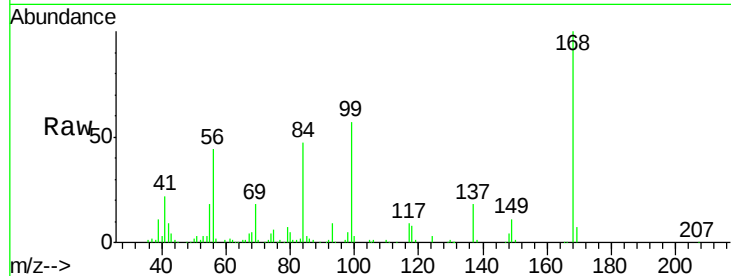
69 40.1 29.8 44.6

84 104.4 76.6 114.8

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#32

1,1,1-Trichloroethane

Concen: 49.464 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

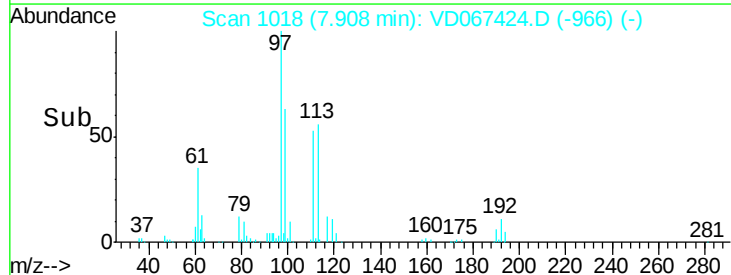
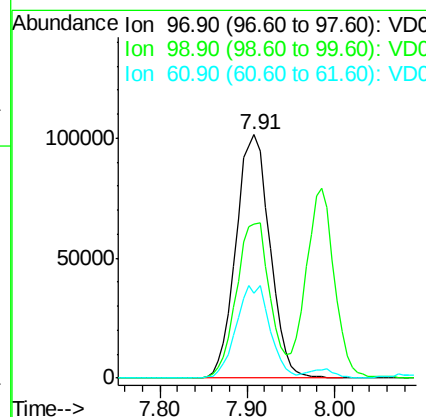
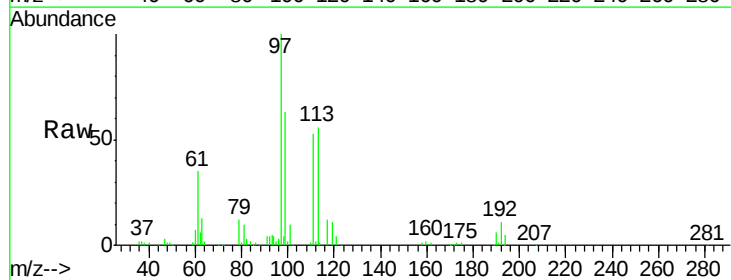
Tgt Ion: 97 Resp: 266338

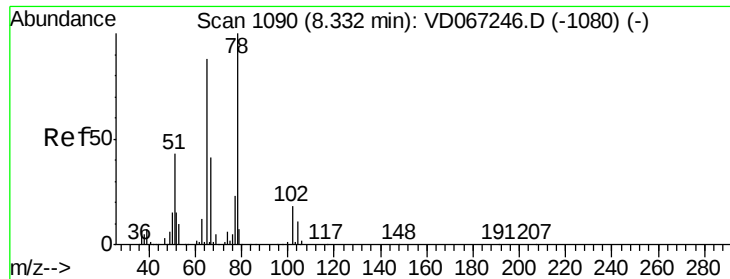
Ion Ratio Lower Upper

97 100

99 62.7 50.2 75.4

61 37.8 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 51.249 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 159591

Ion Ratio Lower Upper

65 100

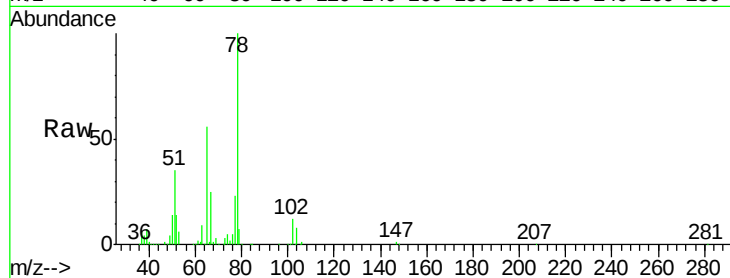
67 50.5 0.0 103.8

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

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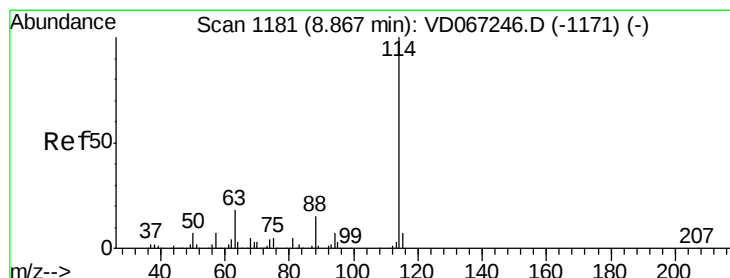
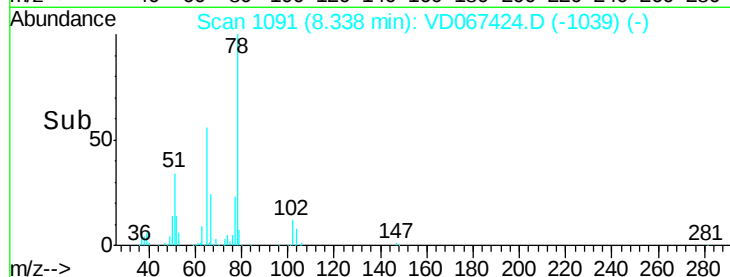
8.34

8.34

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8.34



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

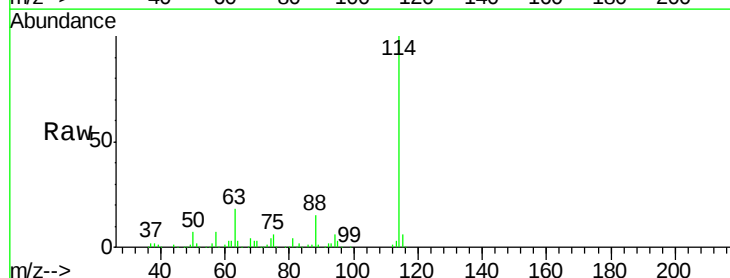
Tgt Ion: 114 Resp: 475283

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

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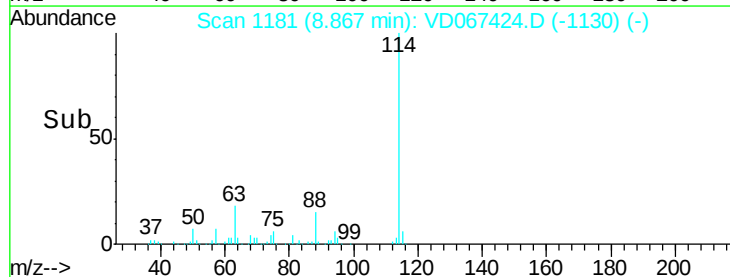
8.87

8.87

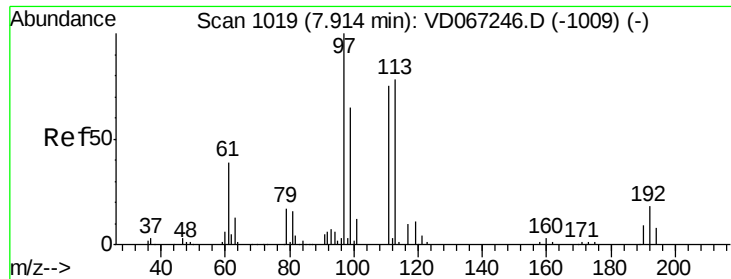
8.87

8.87

8.87



Time-->



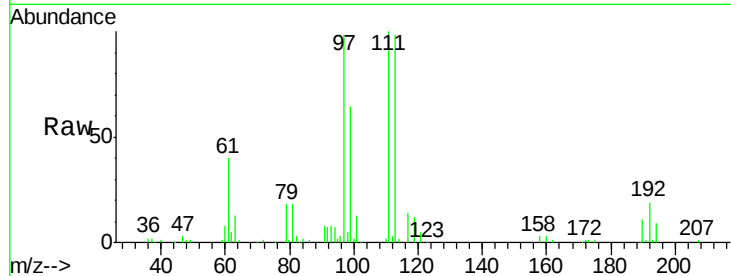
#35
 Dibromofluoromethane
 Concen: 53.972 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

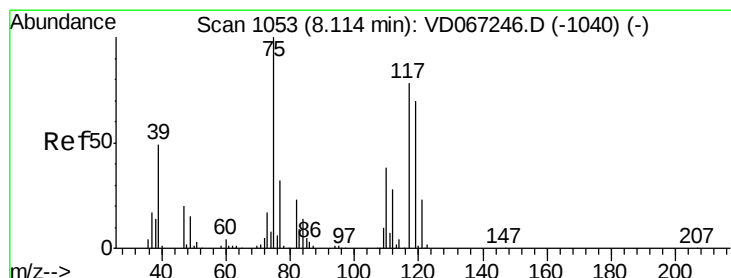
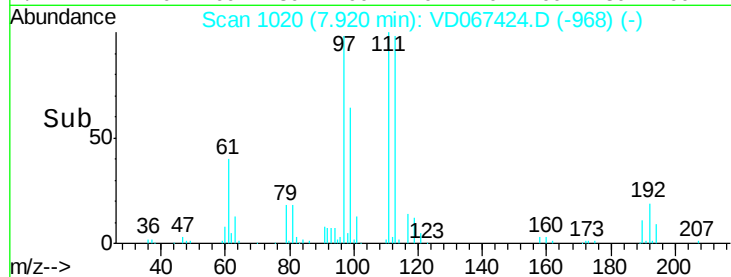
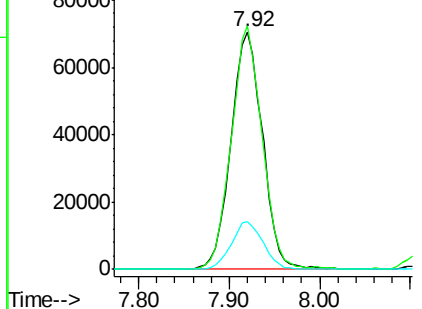
Tot Ion	Ratio	Resp	Lower	Upper
113	100	170715		
111	100.3	81.6	122.4	
192	20.2	17.0	25.4	

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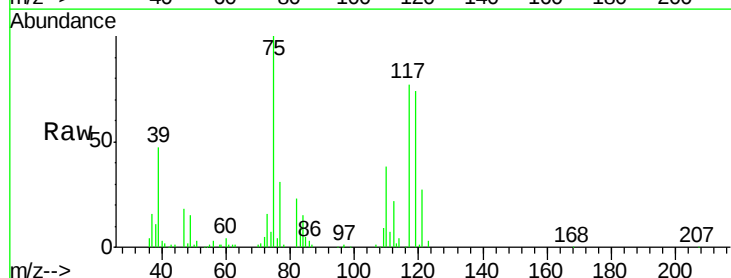


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

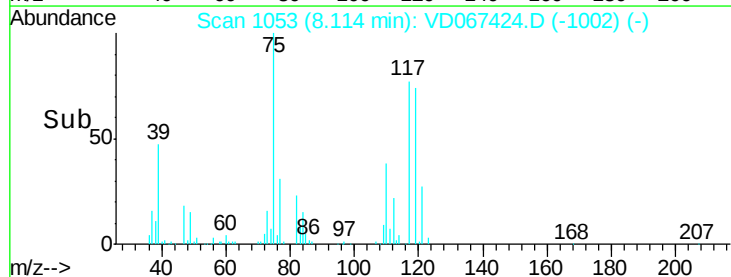
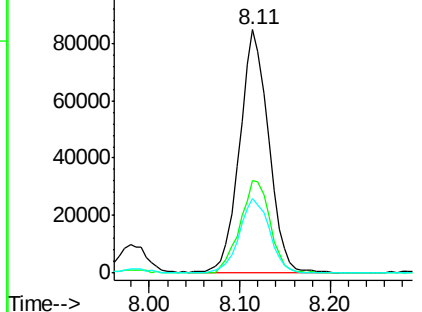


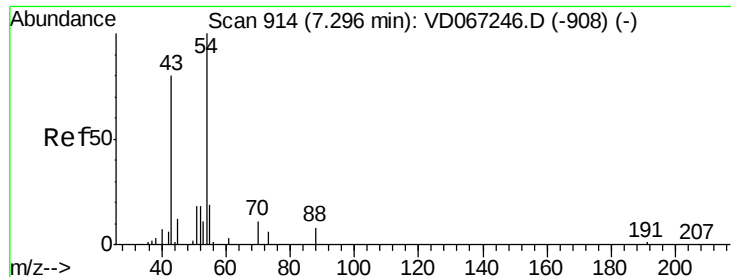
#36
 1,1-Dichloropropene
 Concen: 46.605 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	187740		
110	39.4	19.6	58.7	
77	31.9	24.6	37.0	



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





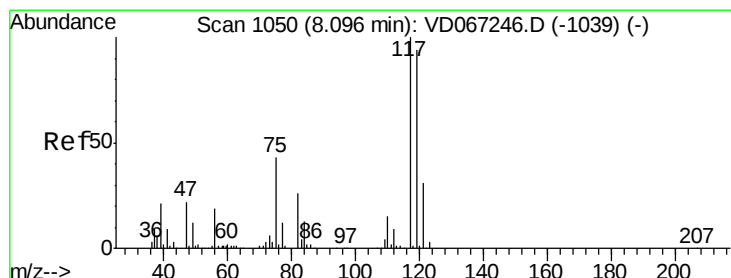
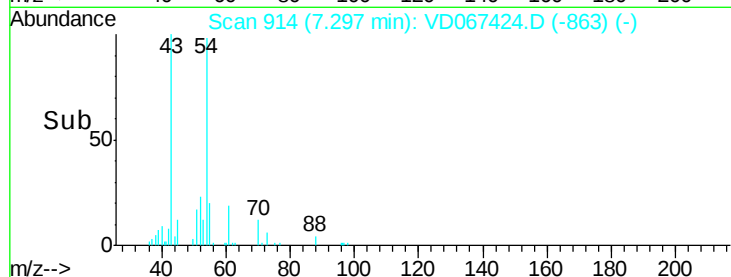
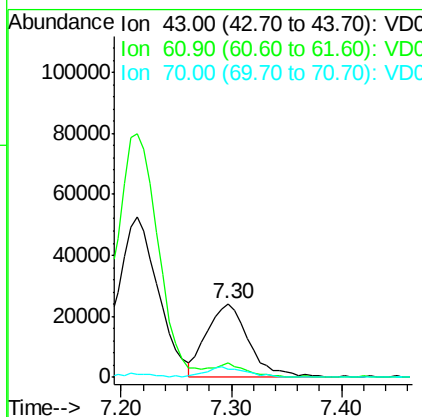
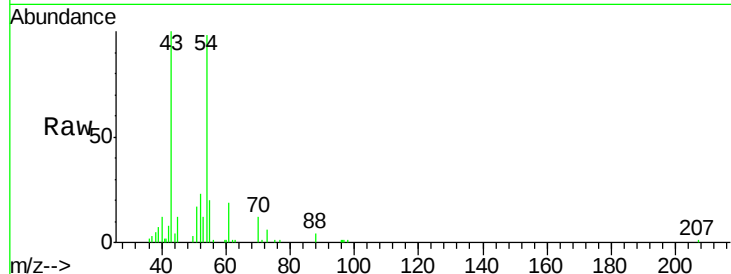
#37
Ethyl Acetate
Concen: 52.794 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.6	23.4
70	13.7	10.4	15.6

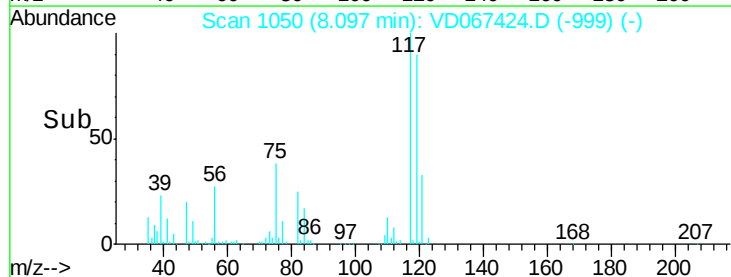
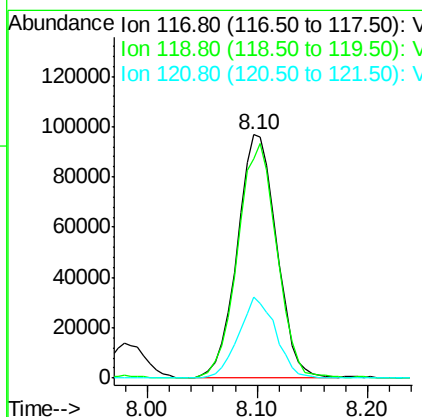
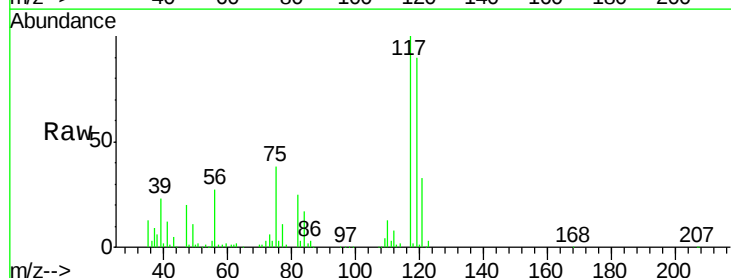
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#38
Carbon Tetrachloride
Concen: 47.171 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.1	75.0	112.4
121	33.5	24.9	37.3





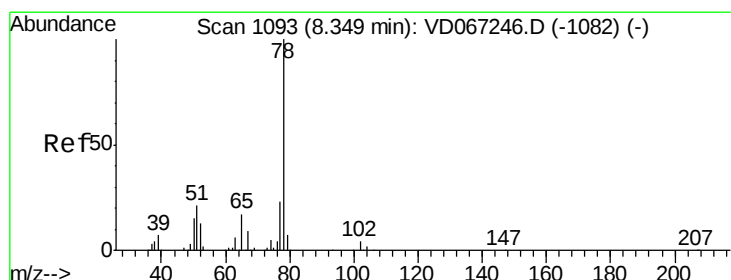
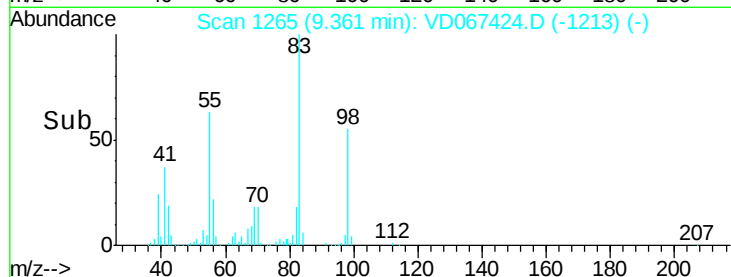
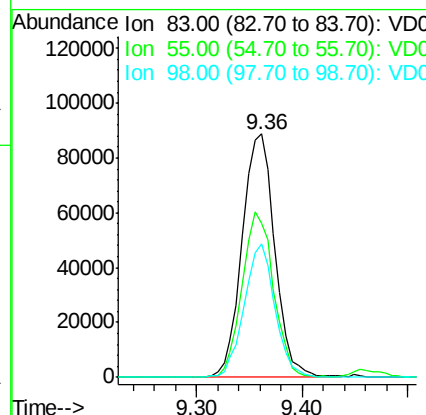
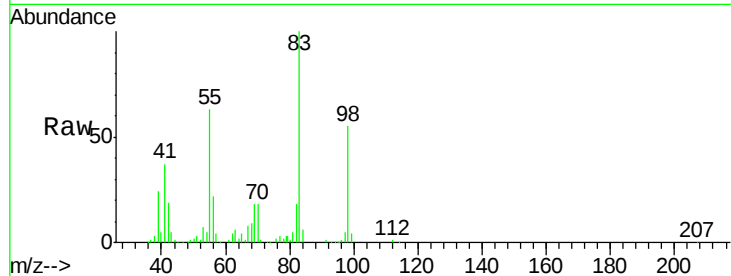
#39
Methvlcvclohexane
Concen: 45.236 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	190505		
55	63.3		53.3	79.9
98	54.8		41.0	61.4

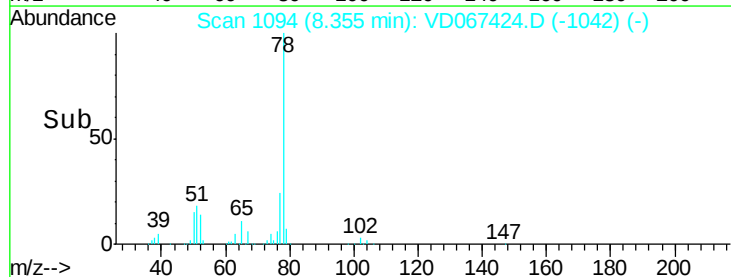
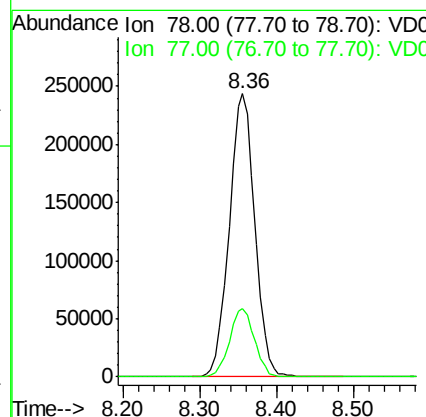
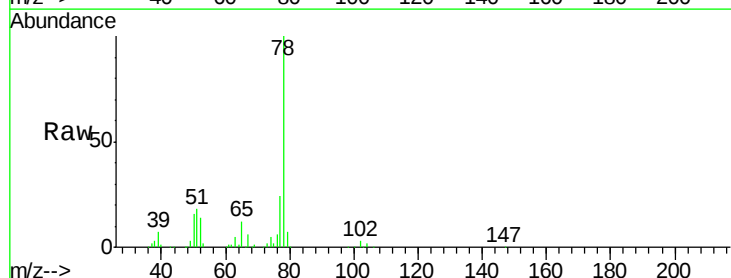
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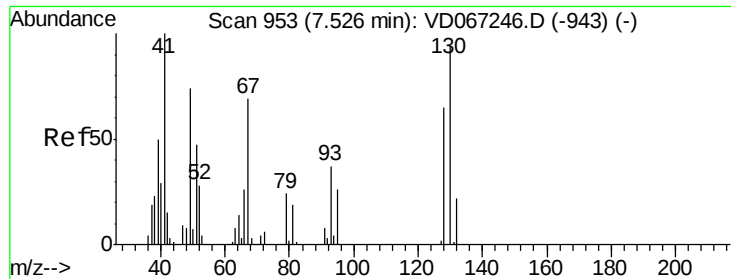
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#40
Benzene
Concen: 50.912 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	562644		
77	24.1		18.3	27.5





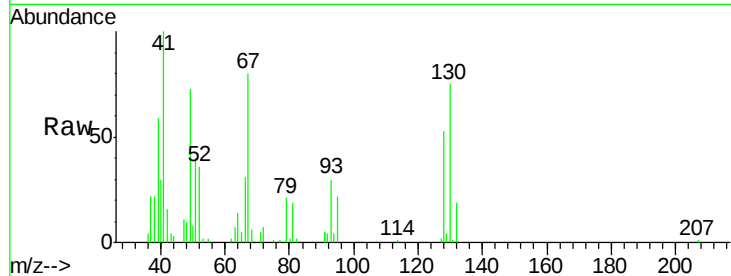
#41
Methacrylonitrile
Concen: 44.233 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

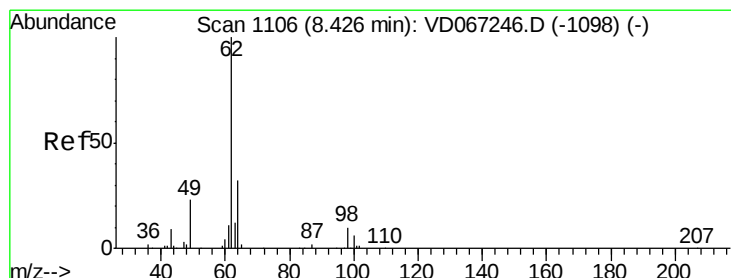
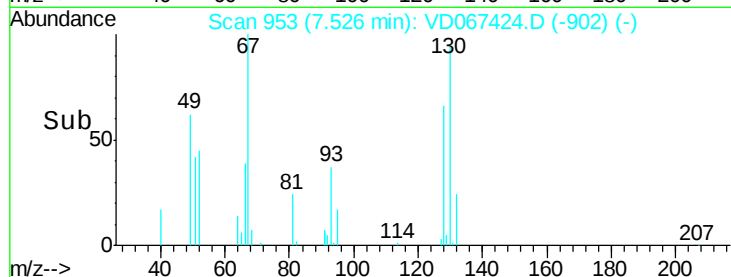
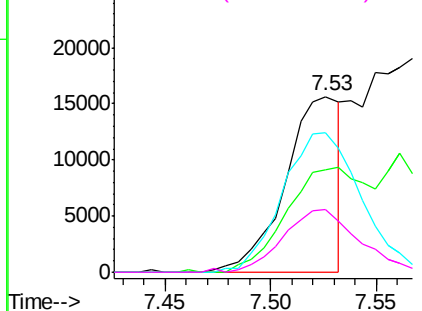
Tot Ion	Ratio	Lower	Upper
41	100		
39	89.3	60.0	90.0
67	113.7	88.9	133.3
52	50.3	36.9	55.3

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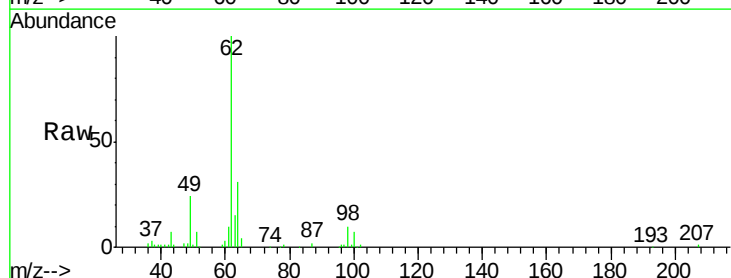


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

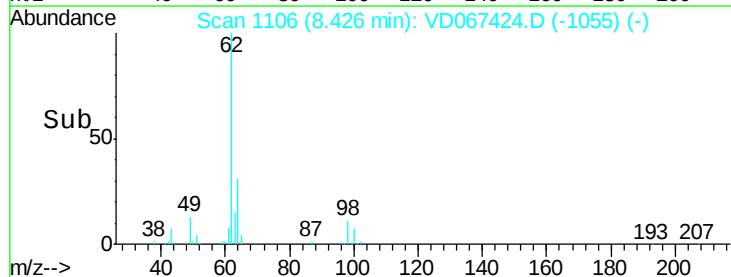
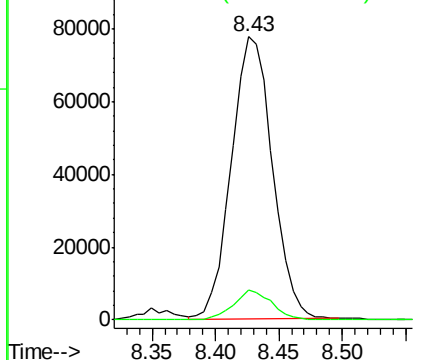


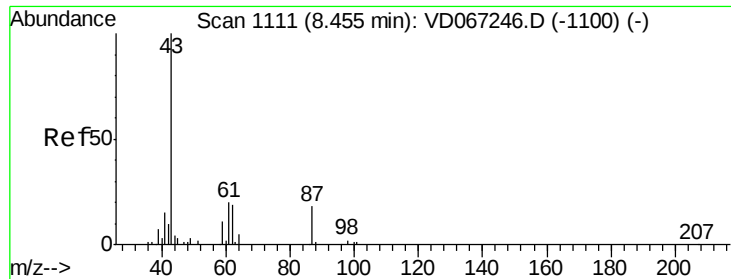
#42
1,2-Dichloroethane
Concen: 50.353 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





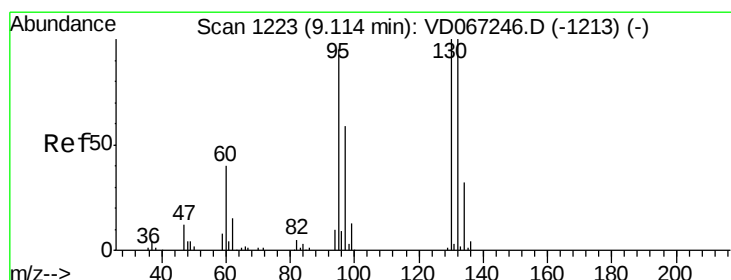
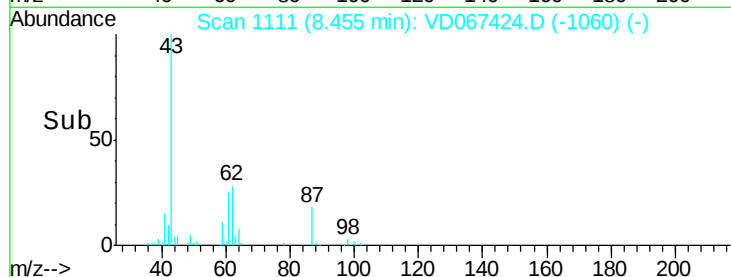
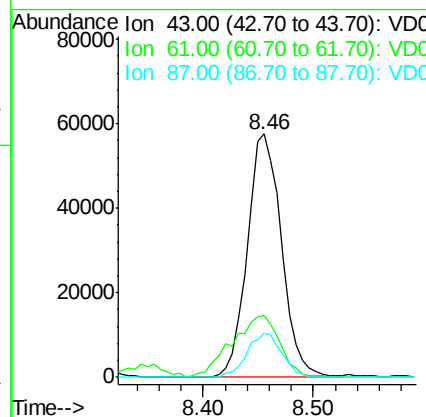
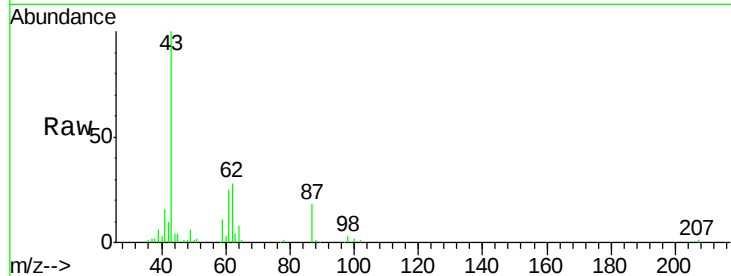
#43
Isopropyl Acetate
Concen: 53.401 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	35.5	29.5	44.3	
87	18.5	14.2	21.4	

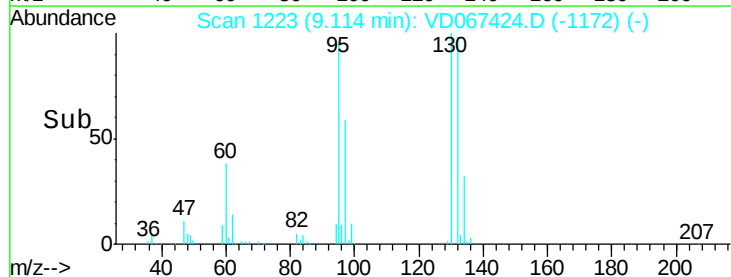
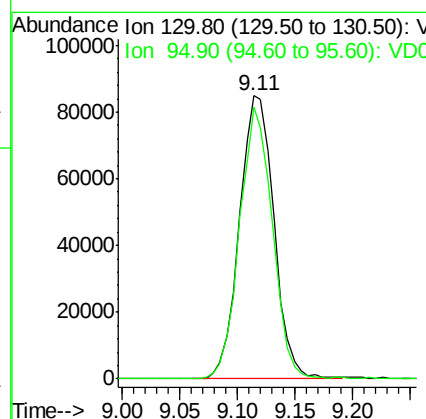
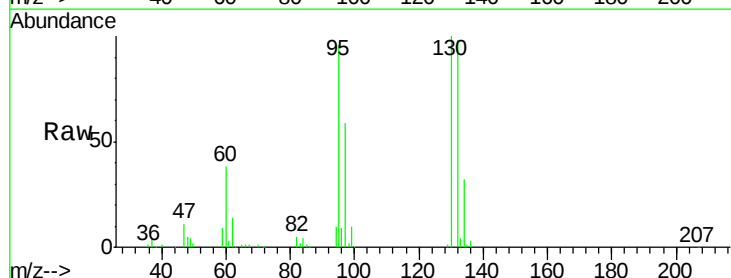
Manual Integrations
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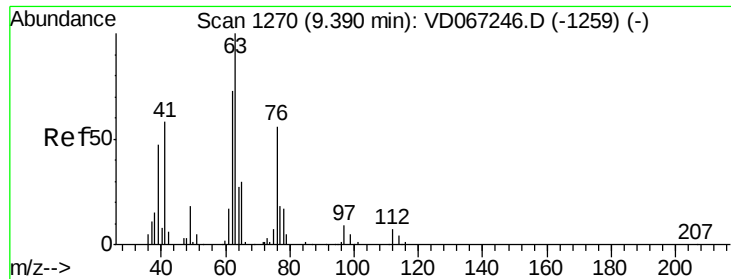
MMDadoda
10/28/2020 11:45:14 AM



#44
Trichloroethene
Concen: 49.715 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
130	100			
95	96.1	0.0	190.6	





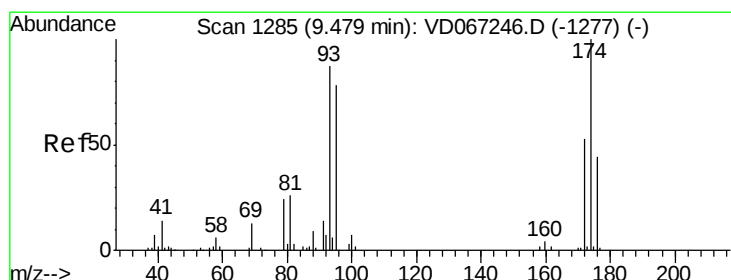
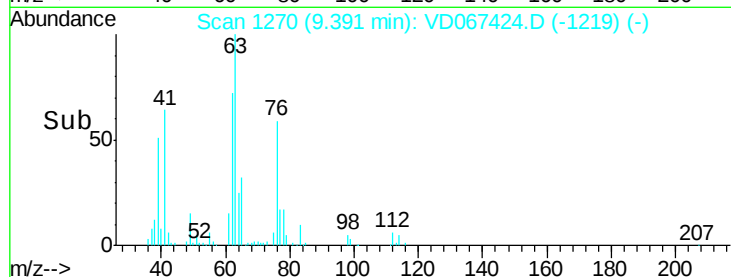
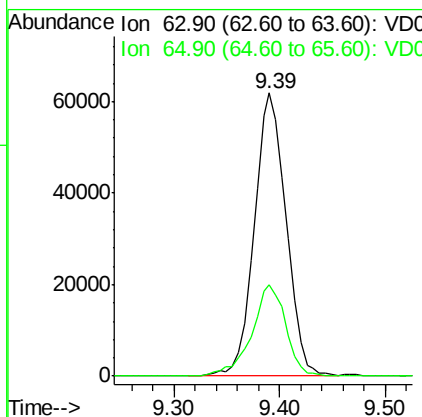
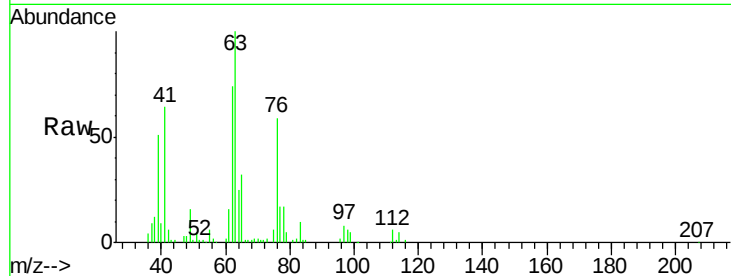
#45
 1,2-Dichloropropane
 Concen: 50.536 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.6	36.8

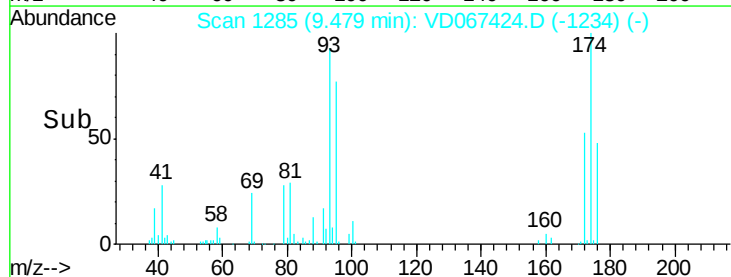
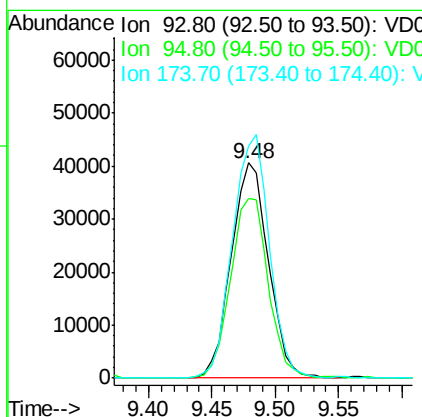
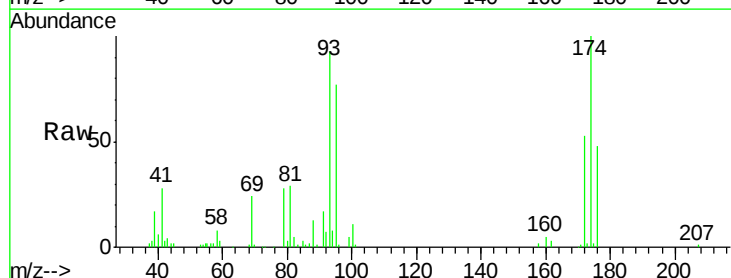
Manual Integrations
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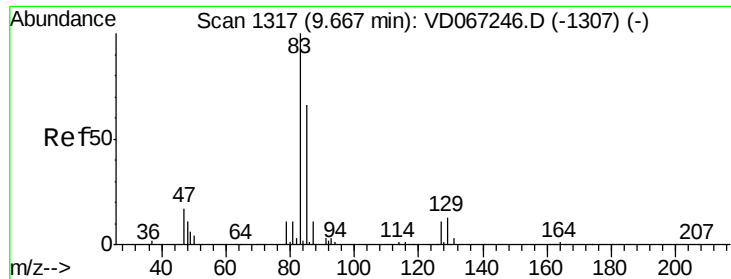
MMDadoda
 10/28/2020 11:45:14 AM



#46
 Dibromomethane
 Concen: 51.960 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	68.0	102.0
174	111.7	91.8	137.6





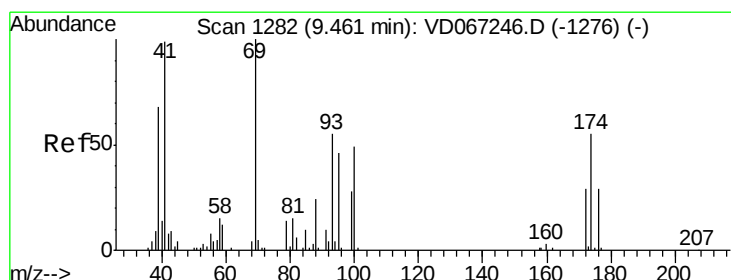
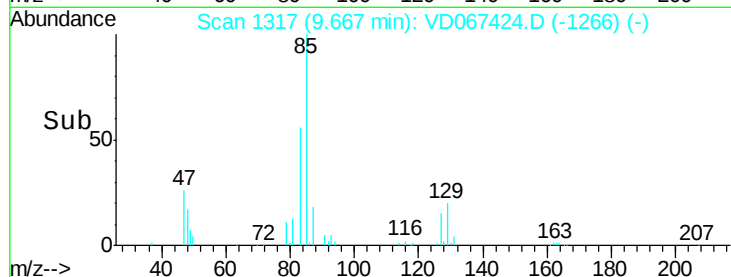
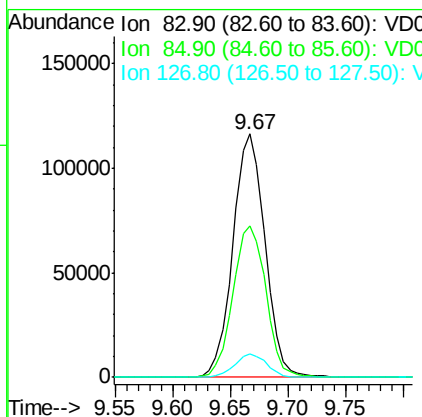
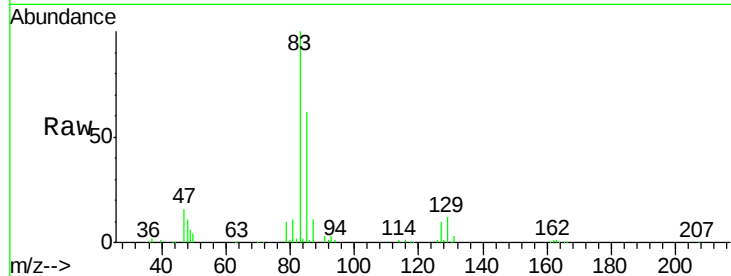
#47
Bromodichloromethane
Concen: 52.571 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	224762		
85	62.0		53.1	79.7
127	9.5		8.6	13.0

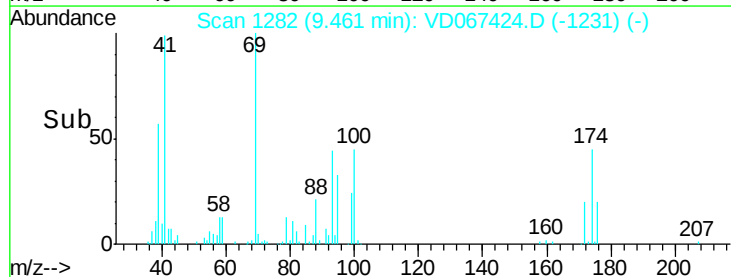
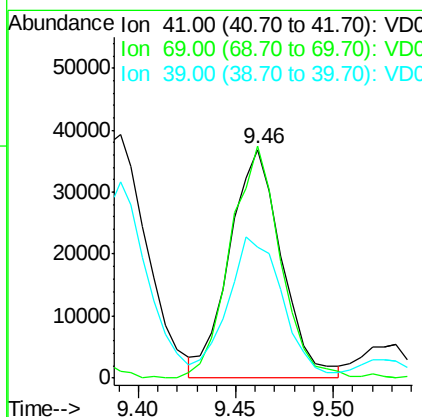
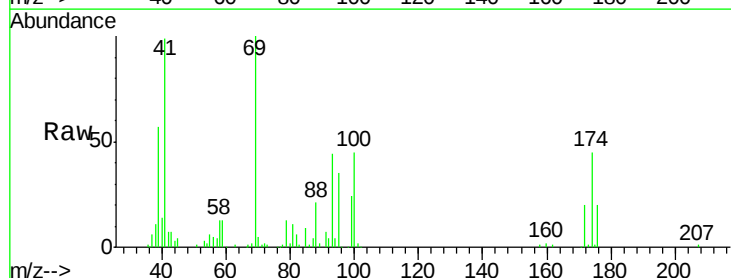
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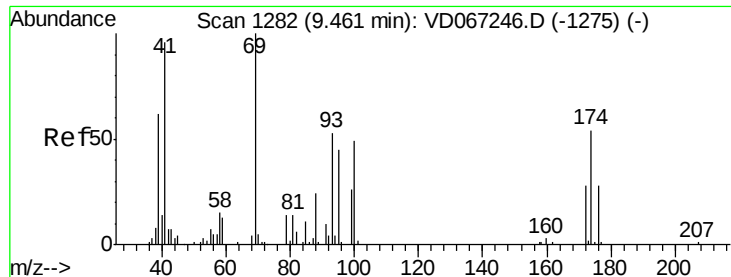
MMDadoda
10/28/2020 11:45:14 AM



#48
Methyl methacrylate
Concen: 59.811 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	68357		
69	98.0		89.0	133.6
39	64.8		60.2	90.2





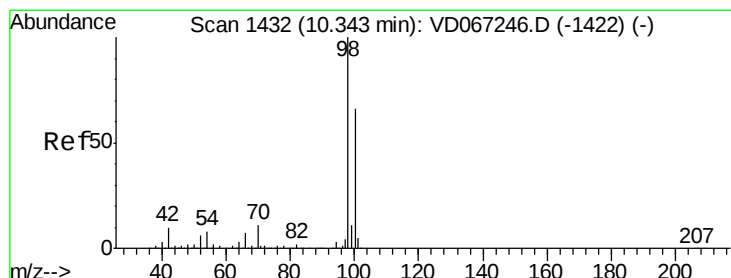
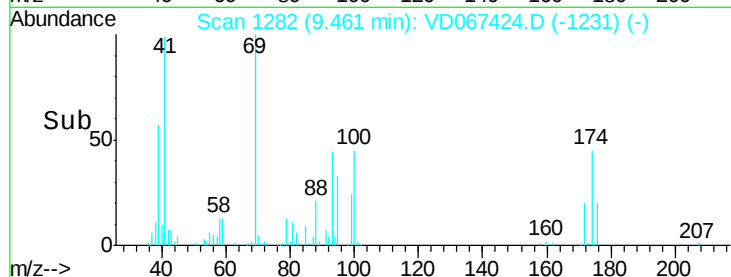
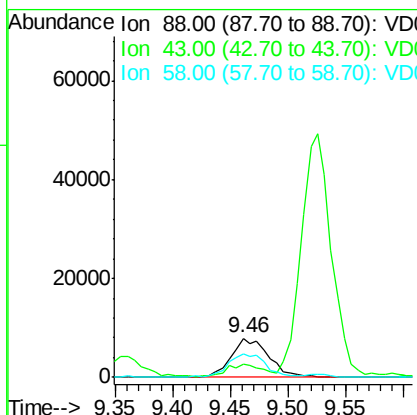
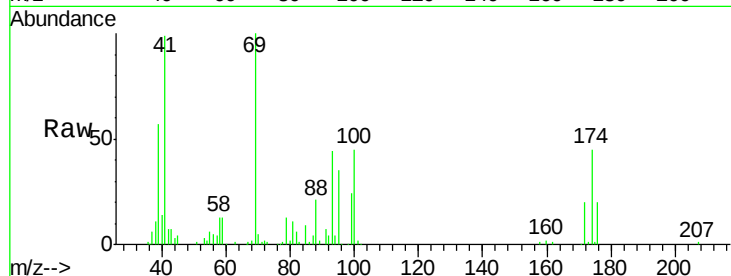
#49
1,4-Dioxane
Concen: 1149.340 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	17679
Ion	Ratio	Lower	Upper
88	100		
43	34.2	23.9	35.9
58	61.7	51.0	76.6

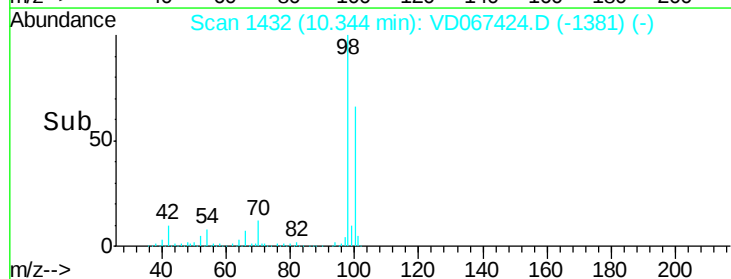
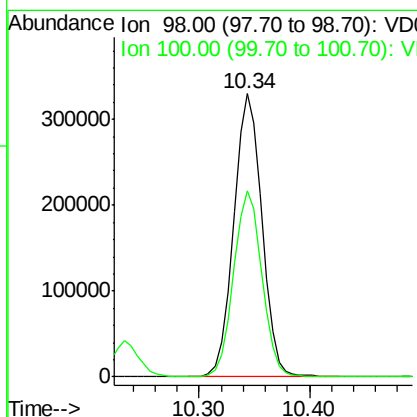
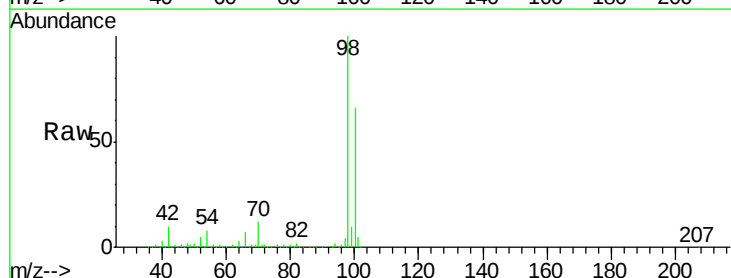
Manual Integrations
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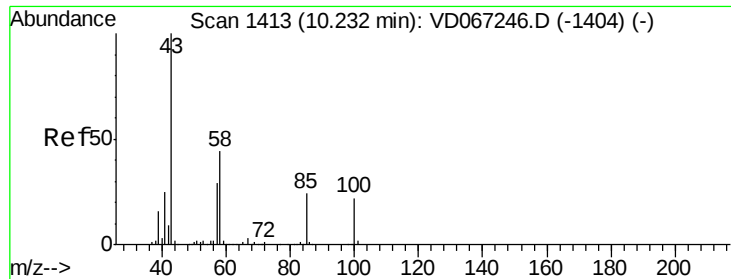
MMDadoda
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#50
Toluene-d8
Concen: 51.842 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	98	Resp	593422
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 273.128 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 320376

Ion Ratio Lower Upper

43 100

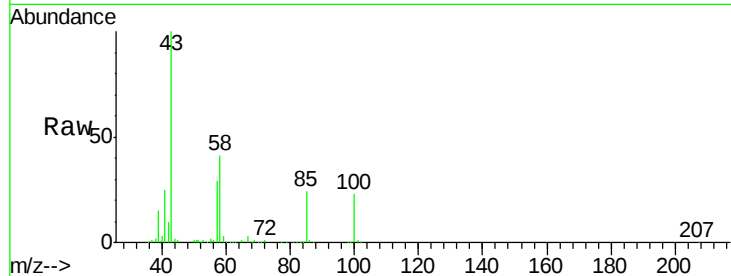
58 44.2 35.7 53.5

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

200000

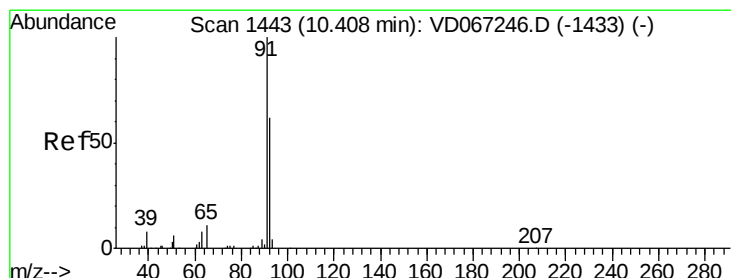
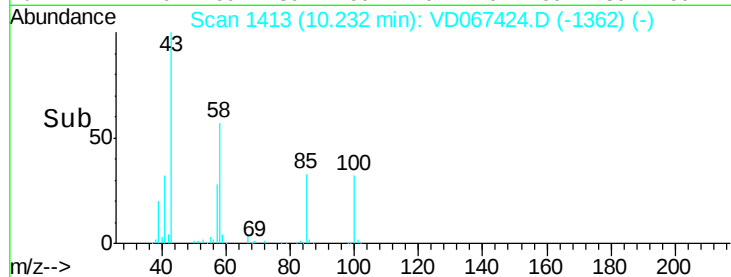
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 51.276 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067424.D

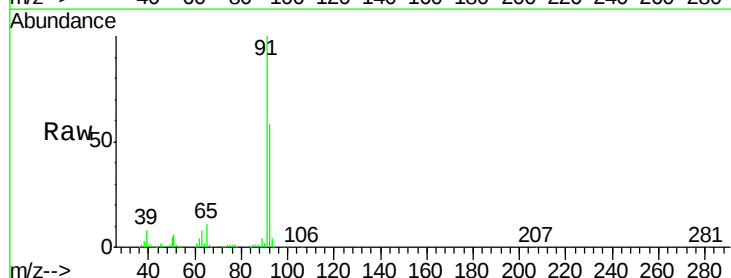
Acq: 27 Oct 2020 20:59

Tgt Ion: 92 Resp: 385958

Ion Ratio Lower Upper

92 100

91 170.8 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

400000

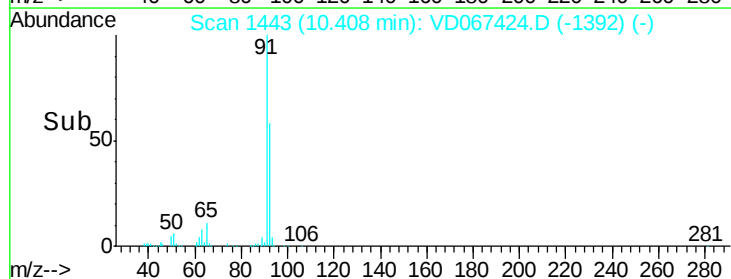
300000

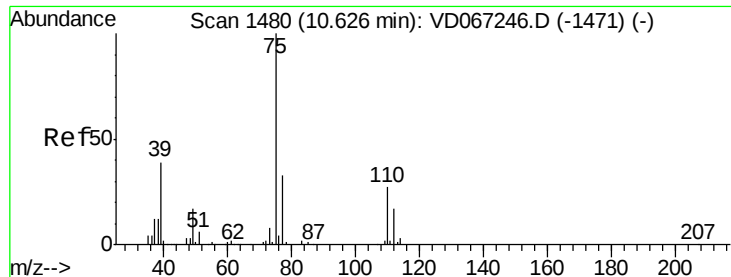
200000

100000

0

Time-->





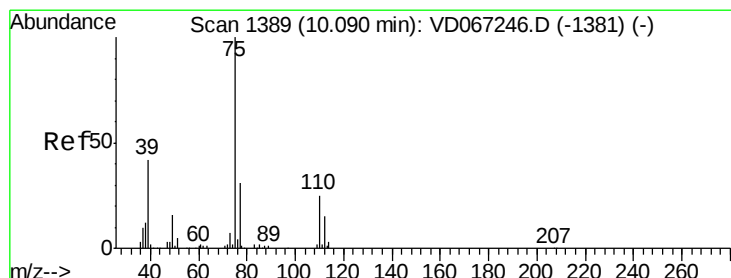
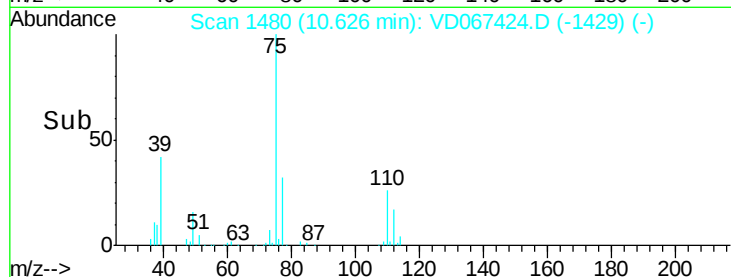
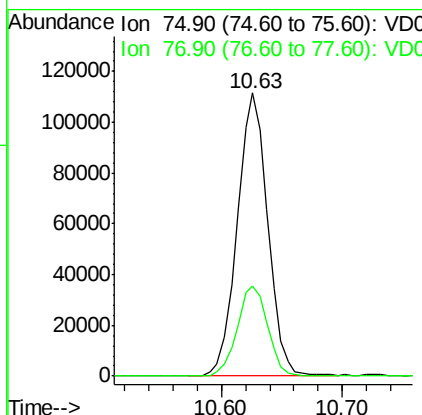
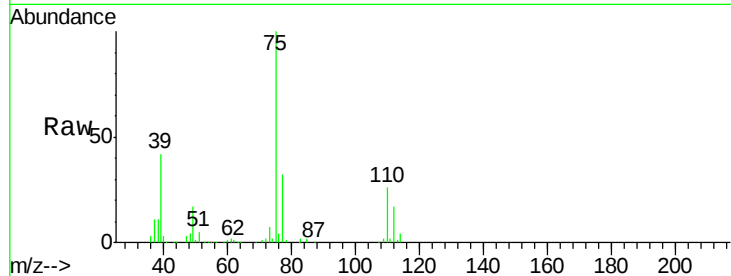
#53
 t-1,3-Dichloropropene
 Concen: 52.265 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 196297
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.5 39.7

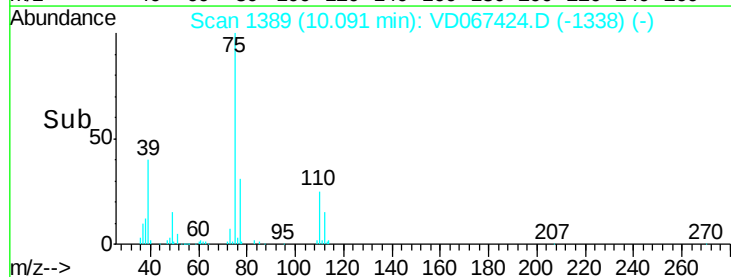
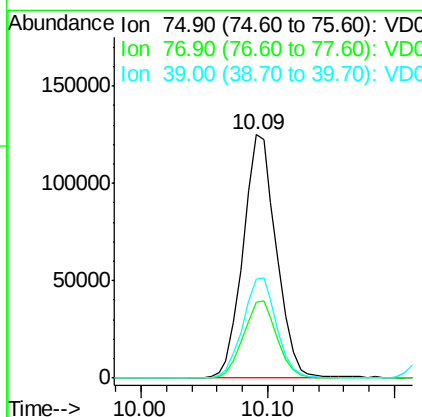
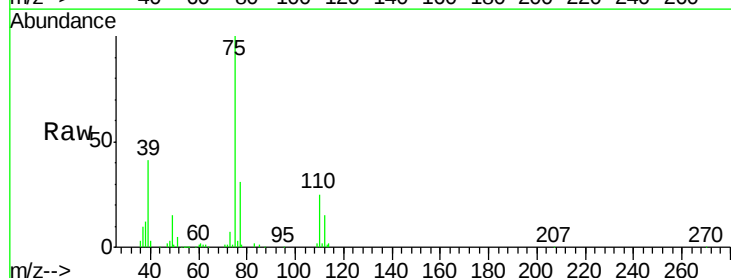
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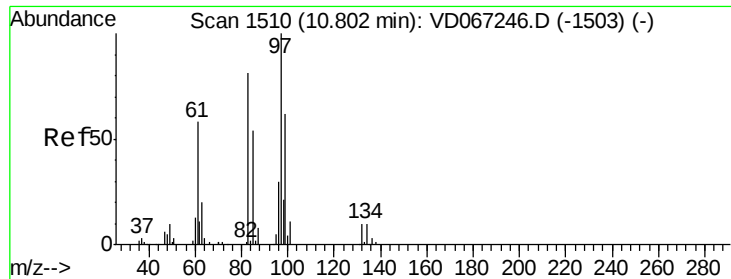
MMDadoda
 10/28/2020 11:45:14 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.986 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Tgt Ion: 75 Resp: 228500
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.5 36.7
 39 40.5 33.7 50.5





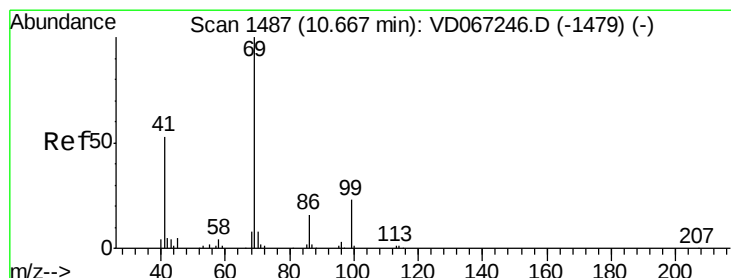
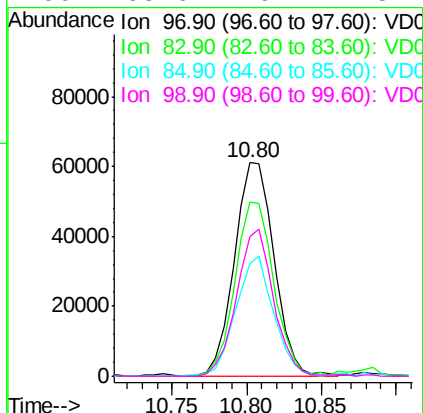
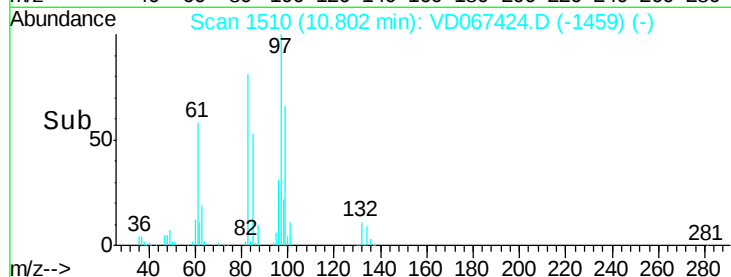
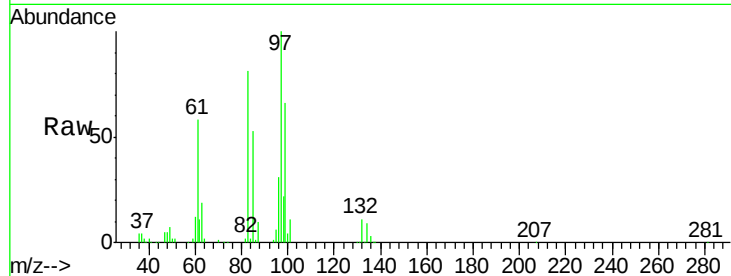
#55
 1,1,2-Trichloroethane
 Concen: 52.090 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		113350		
83	81.3	64.9	97.3		
85	52.4	43.3	64.9		
99	65.6	49.1	73.7		

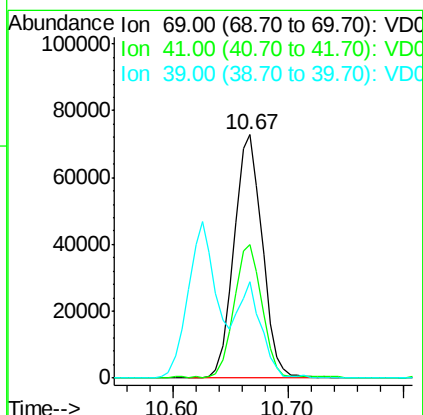
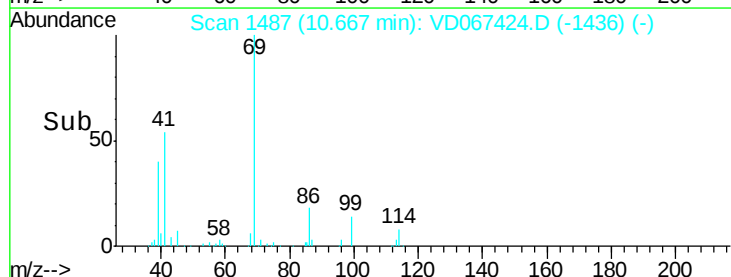
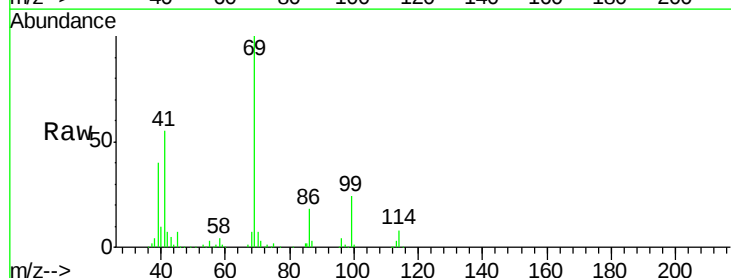
Manual Integrations
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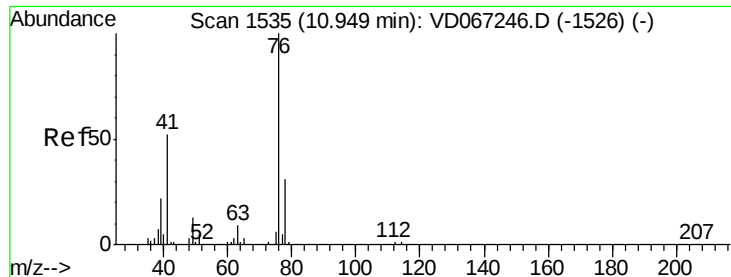
MMDadoda
 10/28/2020 11:45:14 AM



#56
 Ethyl methacrylate
 Concen: 54.722 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		123496		
41	53.9	44.7	67.1		
39	33.6	26.2	39.2		





#57

1,3-Dichloropropane

Concen: 53.711 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 186003

Ion Ratio Lower Upper

76 100

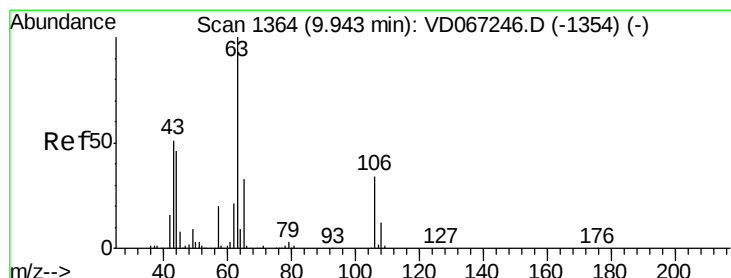
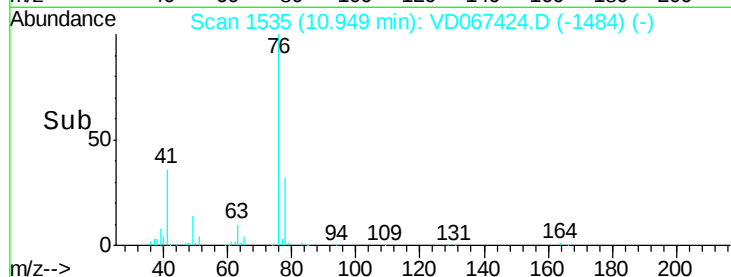
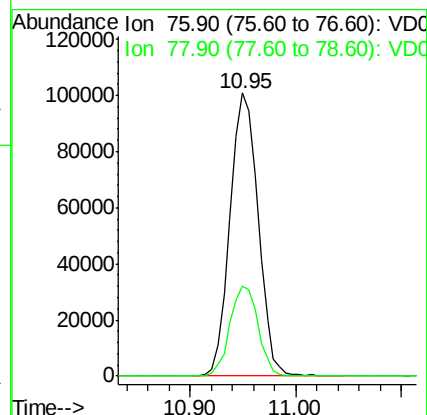
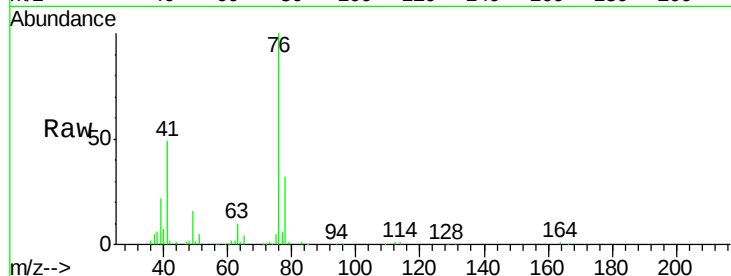
78 31.7 26.8 40.2

Manual Integrations

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MMDadoda

10/28/2020 11:45:14 AM



#58

2-Chloroethyl Vinyl ether

Concen: 279.240 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067424.D

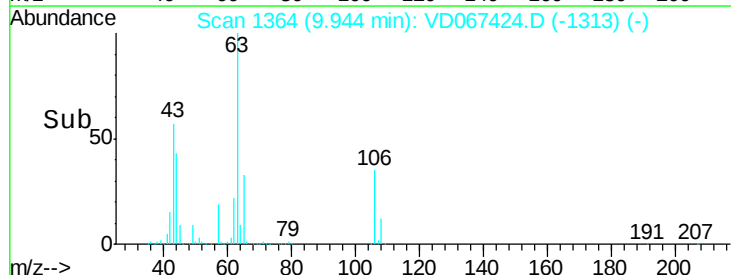
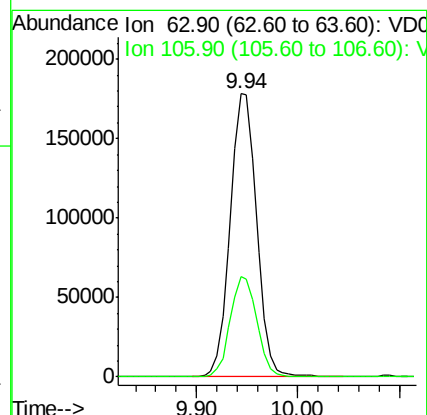
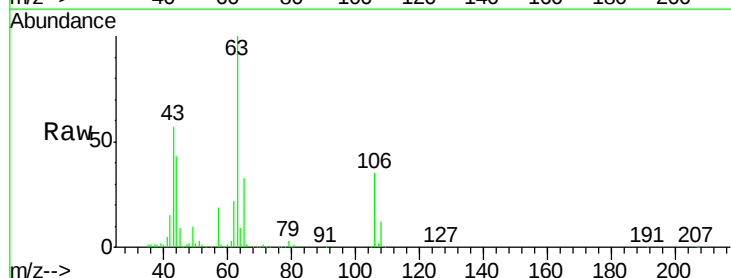
Acq: 27 Oct 2020 20:59

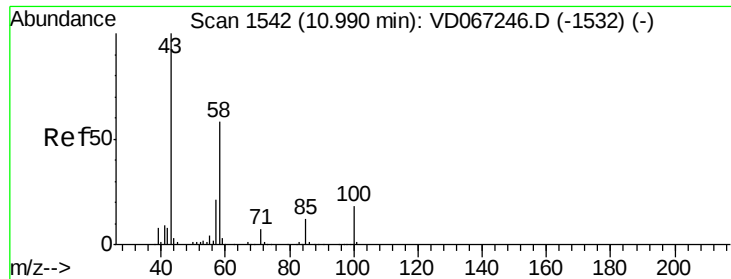
Tgt Ion: 63 Resp: 323287

Ion Ratio Lower Upper

63 100

106 35.5 27.8 41.6





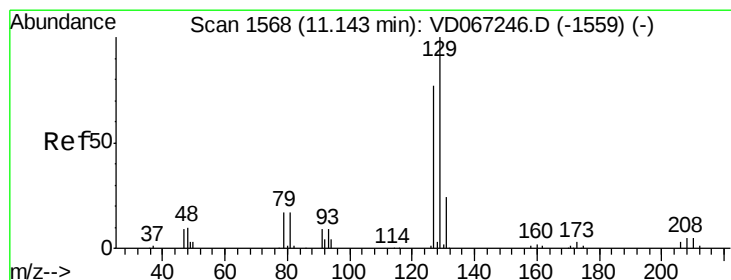
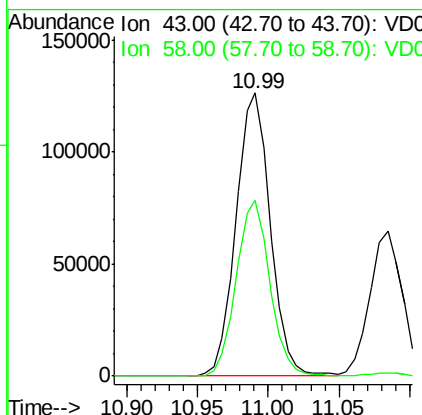
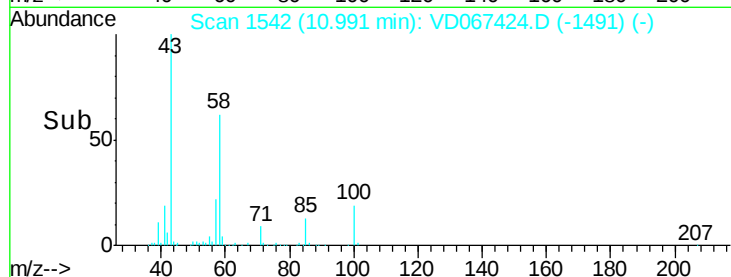
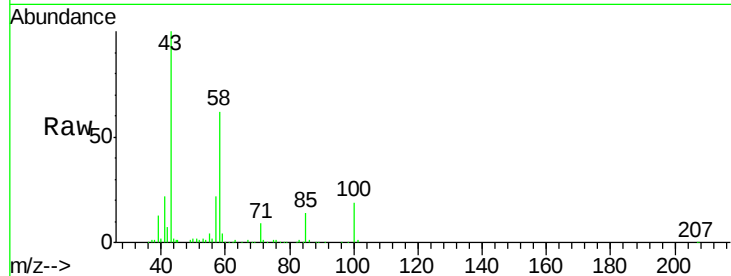
#59
2-Hexanone
Concen: 268.408 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 215139
Ion Ratio Lower Upper
43 100
58 61.0 29.3 87.9

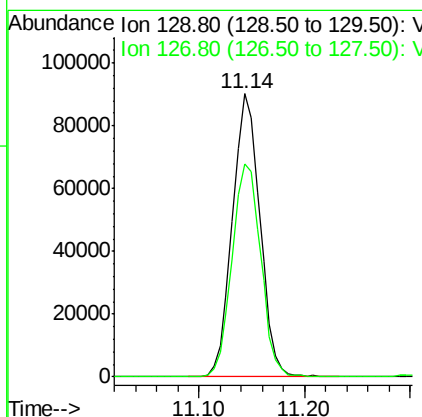
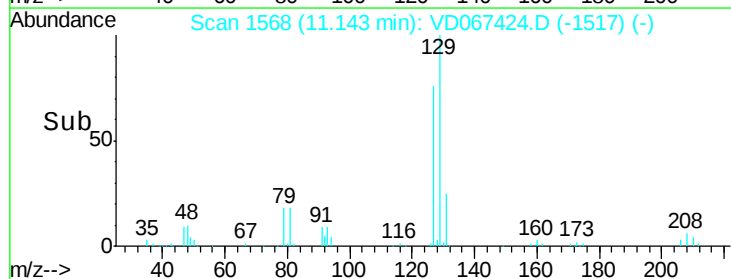
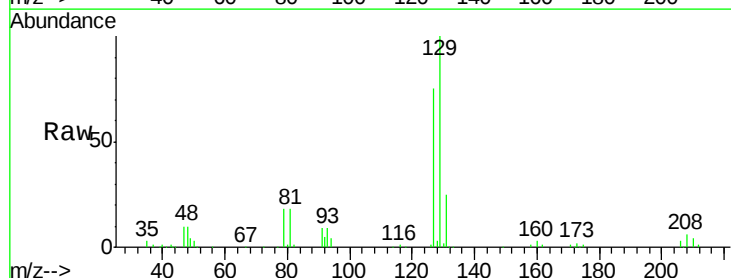
Manual Integrations
APPROVED

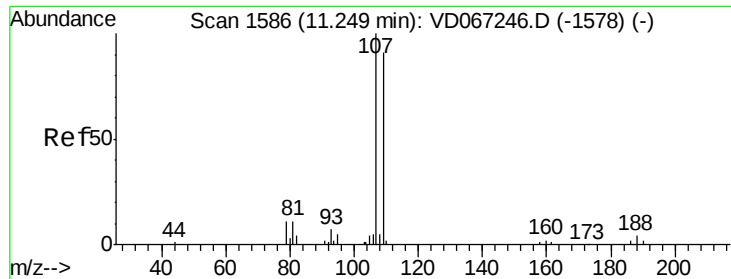
MMDadoda
10/28/2020 11:45:14 AM



#60
Dibromochloromethane
Concen: 51.231 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion: 129 Resp: 162580
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.8





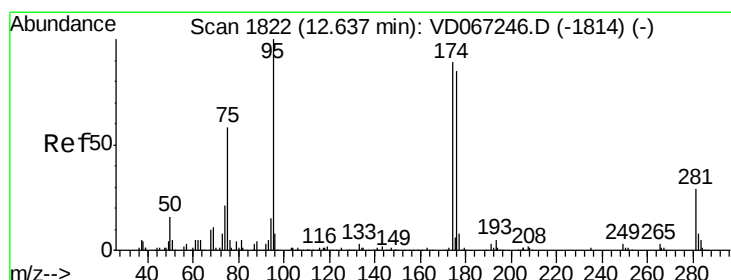
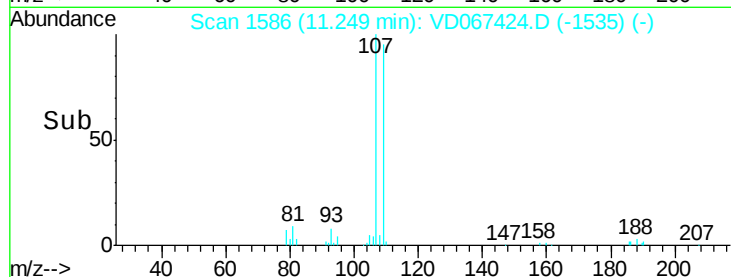
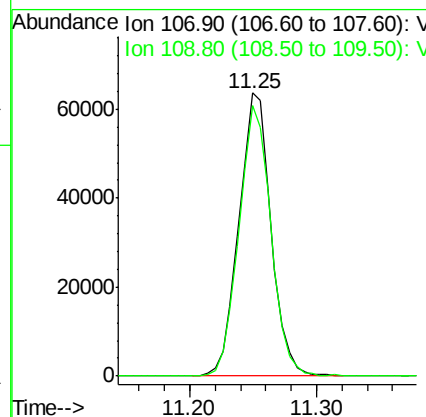
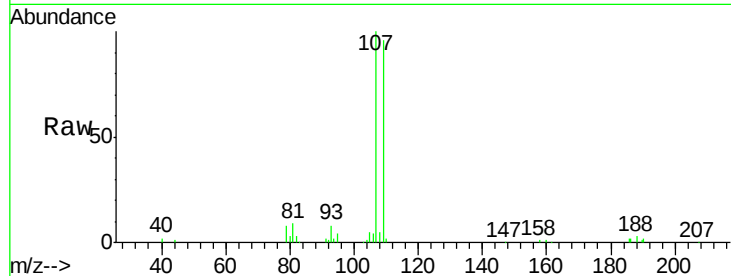
#61
 1,2-Dibromoethane
 Concen: 51.853 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	111240		
109	95.1	74.6	112.0	

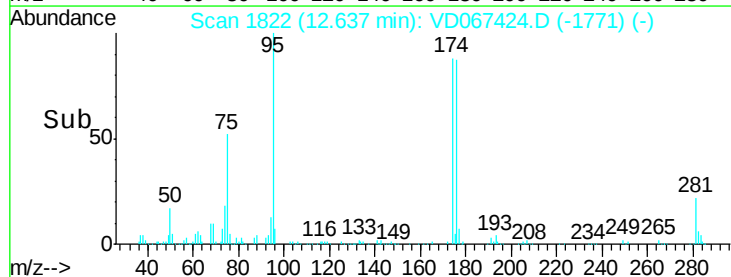
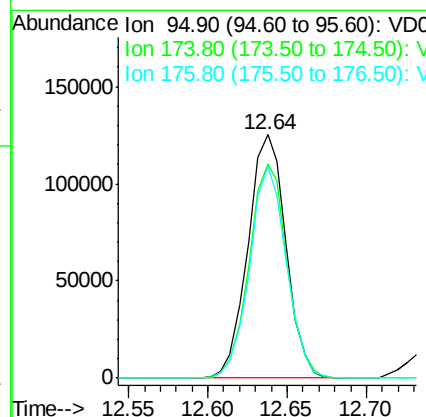
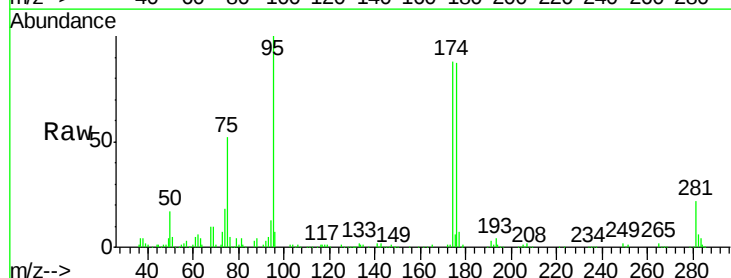
Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 11:45:14 AM



#62
 4-Bromofluorobenzene
 Concen: 52.344 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	208344		
174	87.7	0.0	175.2	
176	84.3	0.0	168.6	





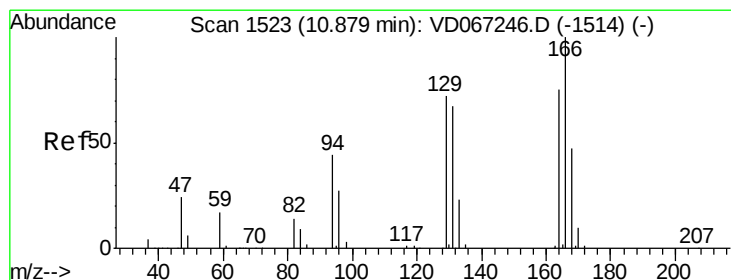
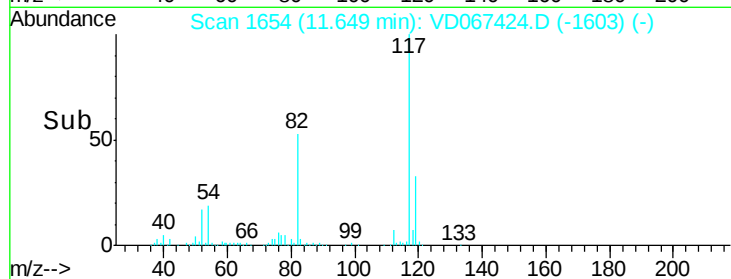
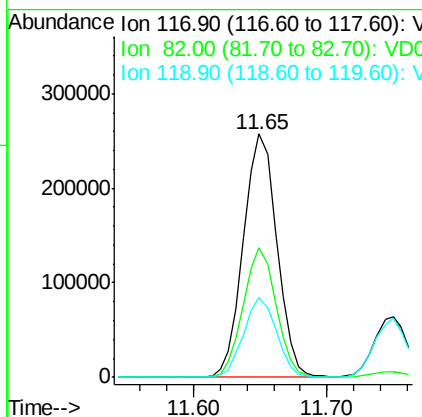
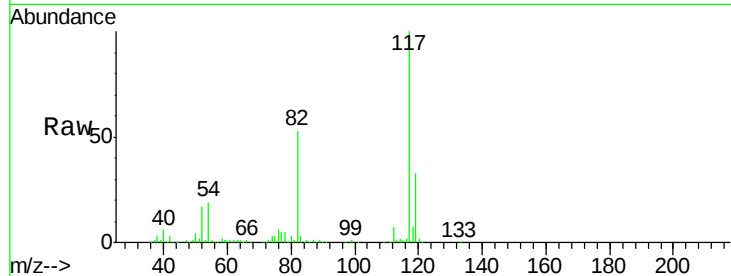
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	39.9	59.9
119	32.8	24.9	37.3

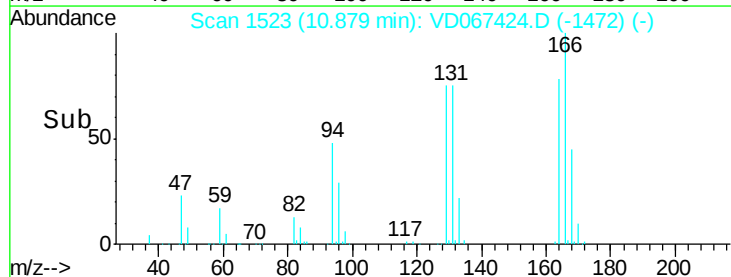
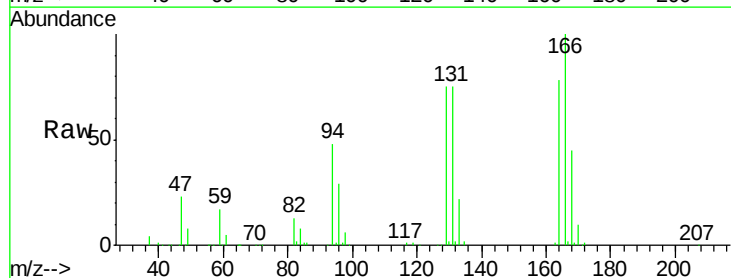
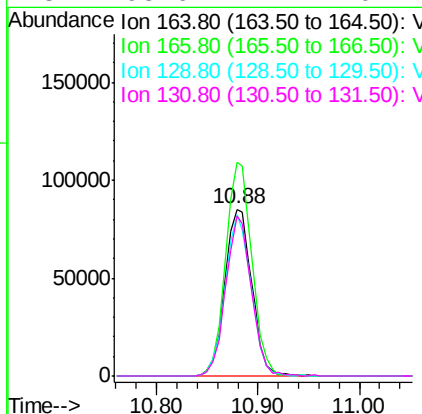
Manual Integrations
APPROVED

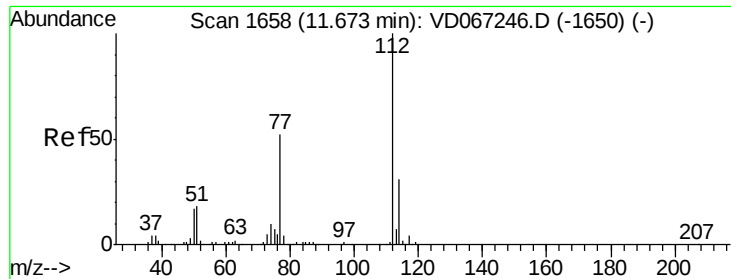
MMDadoda
10/28/2020 11:45:14 AM



#64
Tetrachloroethene
Concen: 48.256 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	107.3	160.9
129	96.6	77.3	115.9
131	95.6	71.4	107.2





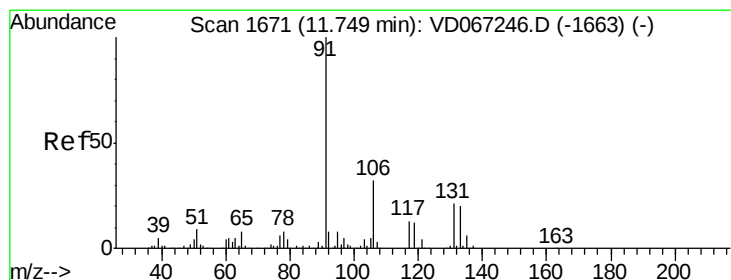
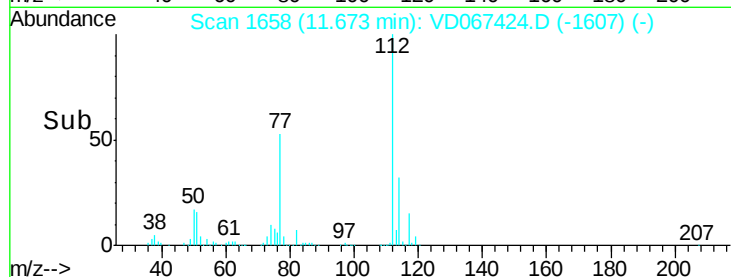
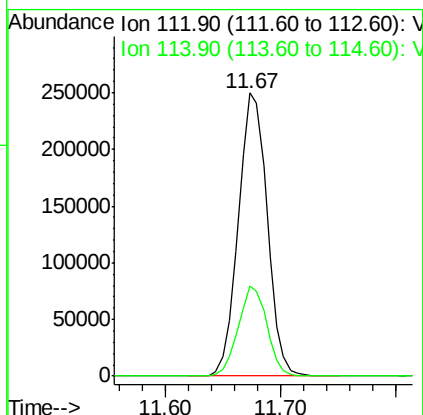
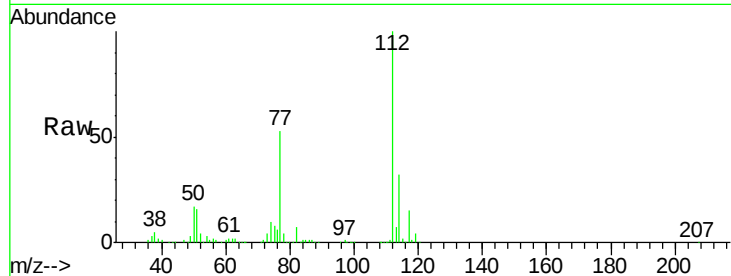
#65
Chlorobenzene
Concen: 50.542 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.4

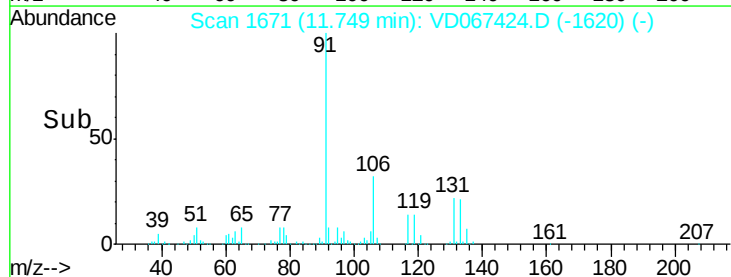
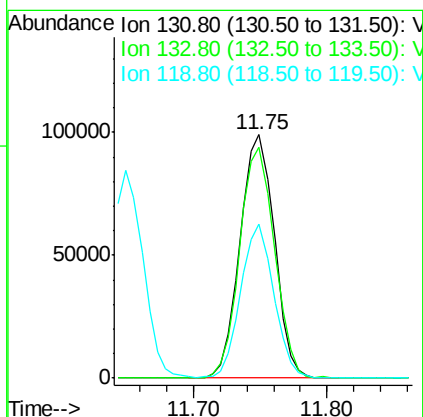
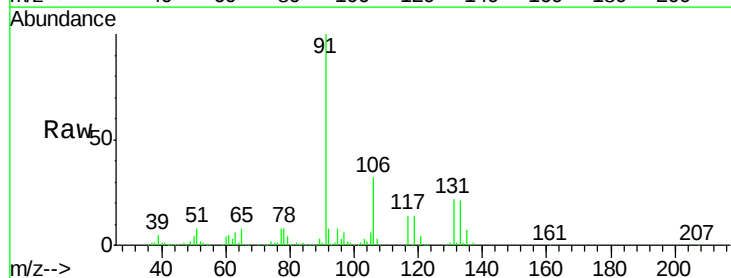
Manual Integrations
APPROVED

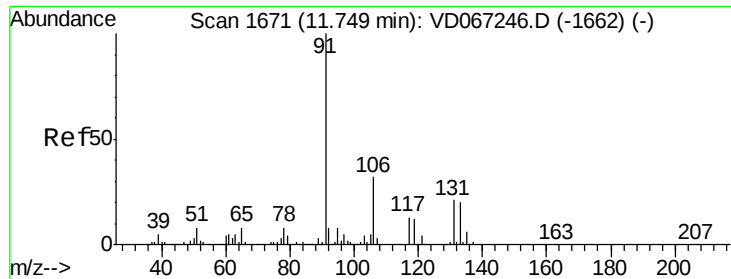
MMDadoda
10/28/2020 11:45:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.753 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.1	144.3
119	60.9	30.0	90.0





#67

Ethyl Benzene

Concen: 50.747 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 746772

Ion Ratio Lower Upper

91 100

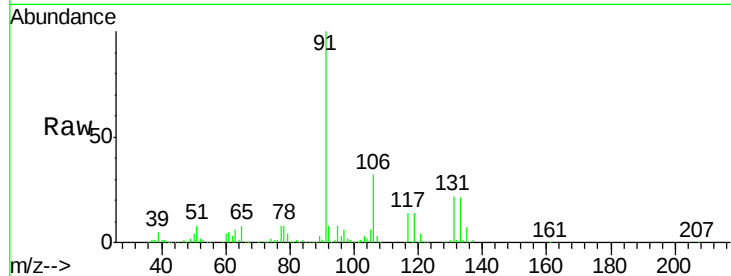
106 32.0 25.4 38.0

Manual Integrations

APPROVED

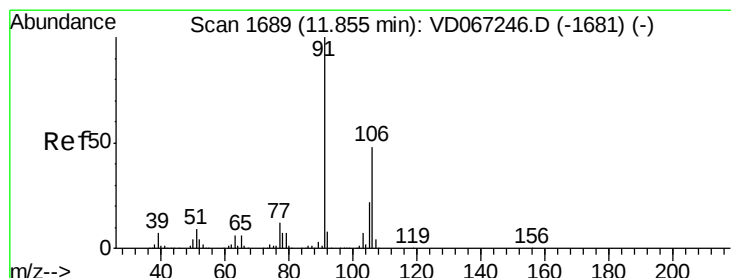
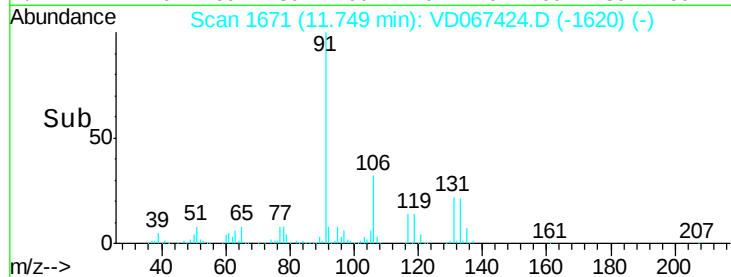
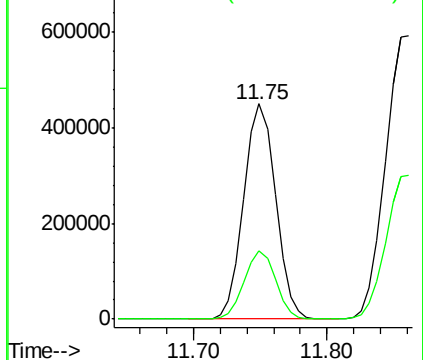
MMDadoda

10/28/2020 11:45:14 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 101.620 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067424.D

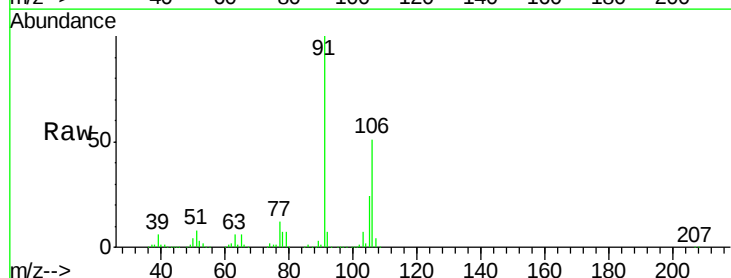
Acq: 27 Oct 2020 20:59

Tgt Ion: 106 Resp: 575851

Ion Ratio Lower Upper

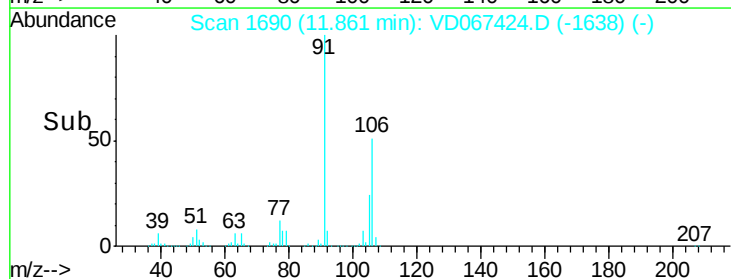
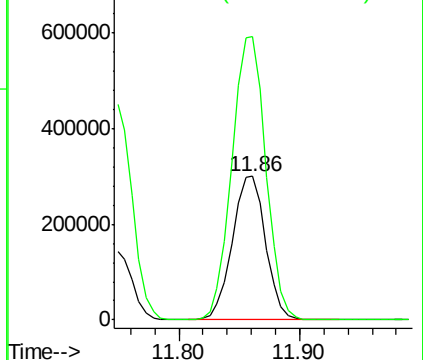
106 100

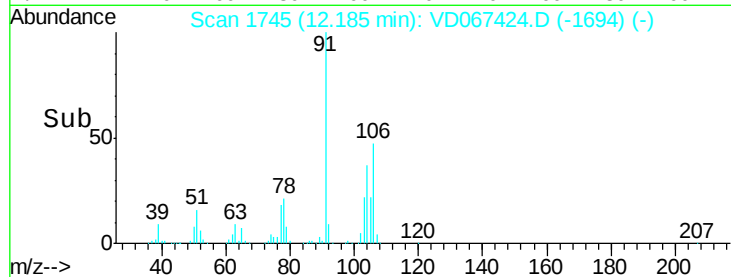
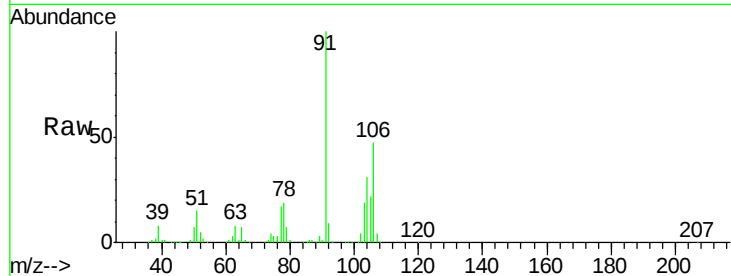
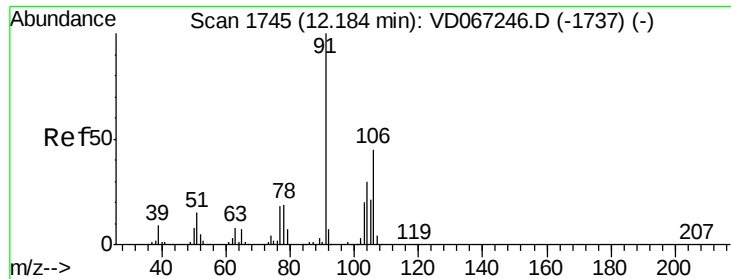
91 201.3 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





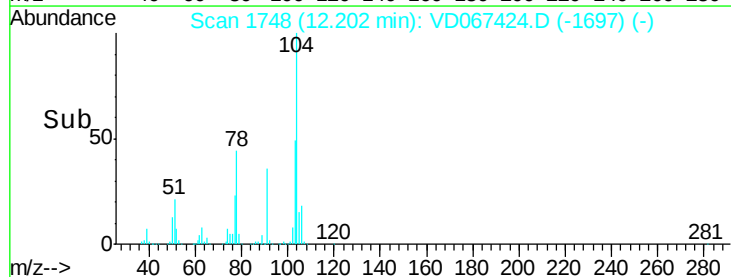
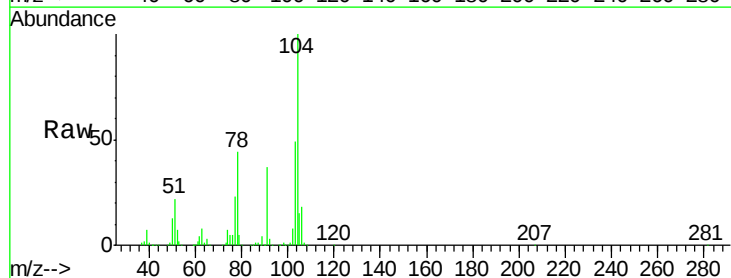
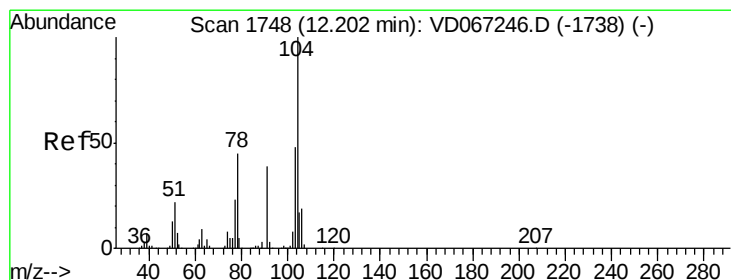
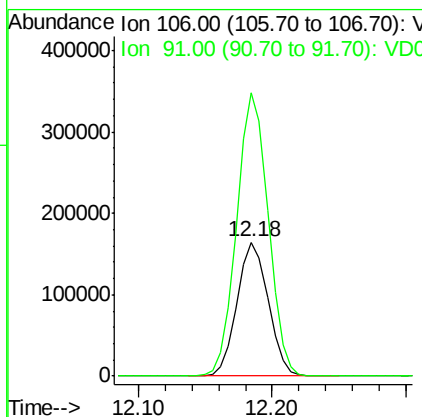
#69
o-Xylene
Concen: 50.936 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		267283		
91	212.9	109.1	327.3		

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

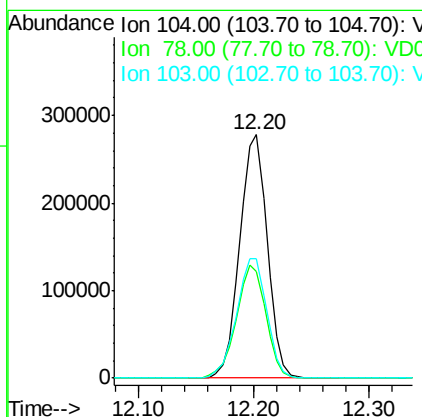
Manual Integrations
APPROVED

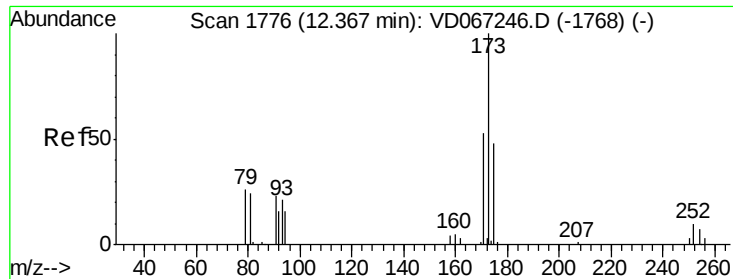
MMDadoda
10/28/2020 11:45:14 AM



#70
Styrene
Concen: 51.140 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		461956		
78	49.5	39.8	59.6		
103	53.6	42.6	64.0		





#71

Bromoform

Concen: 52.212 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

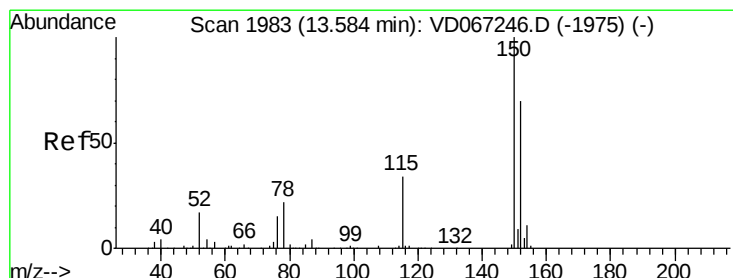
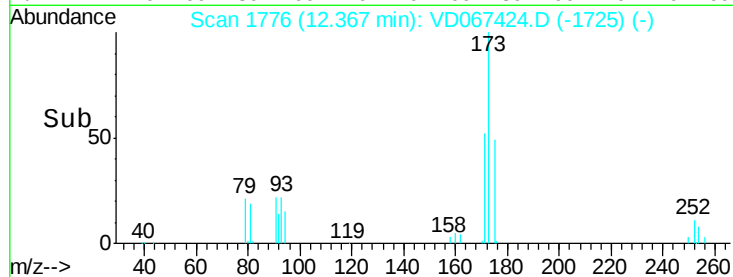
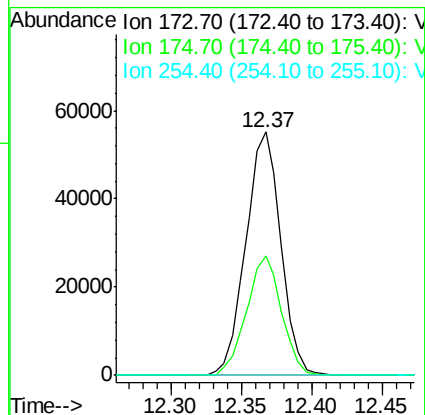
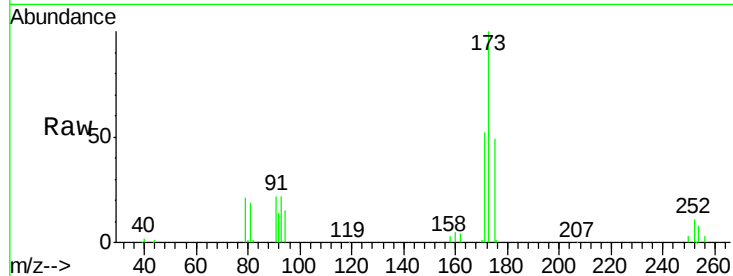
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

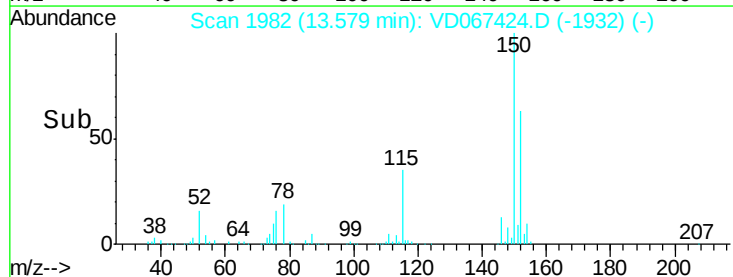
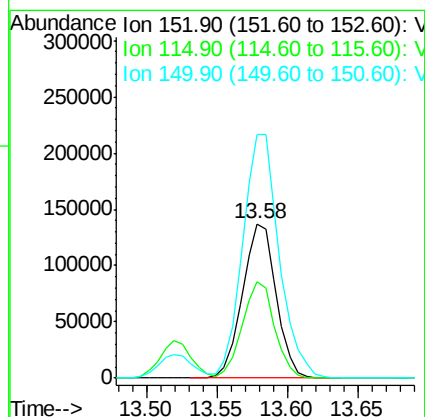
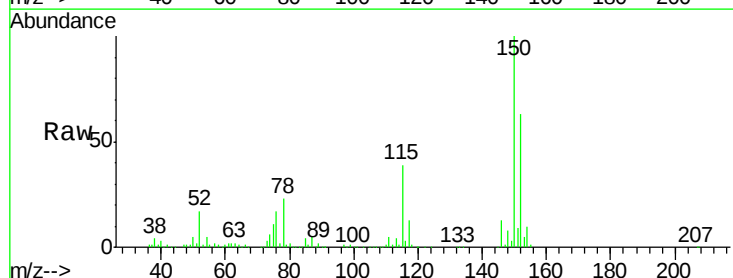
RT: 13.58 min Scan# 1982

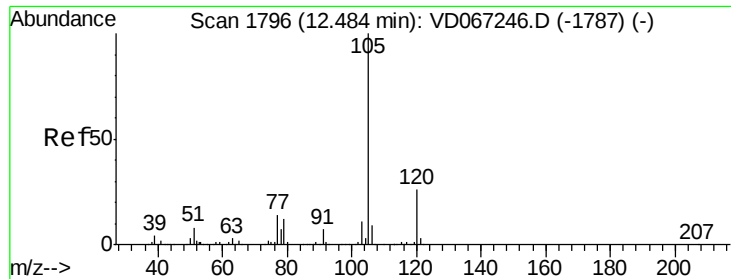
Delta R.T. -0.01 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.3	87.9
150	172.2	0.0	339.0





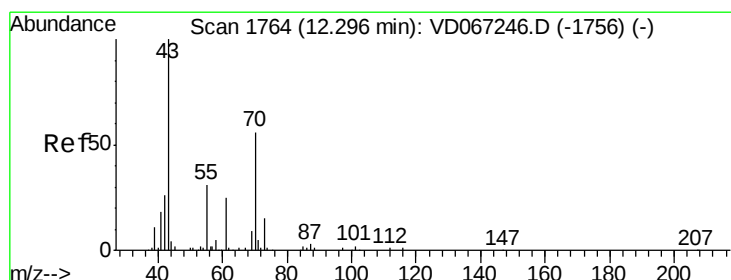
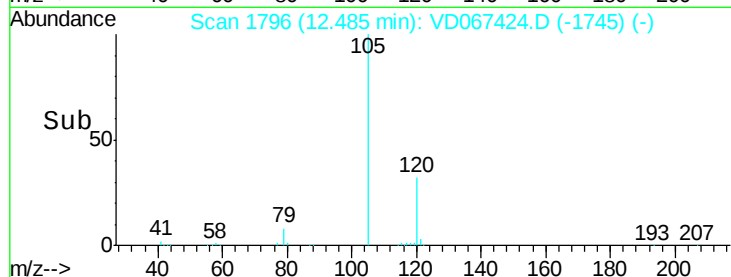
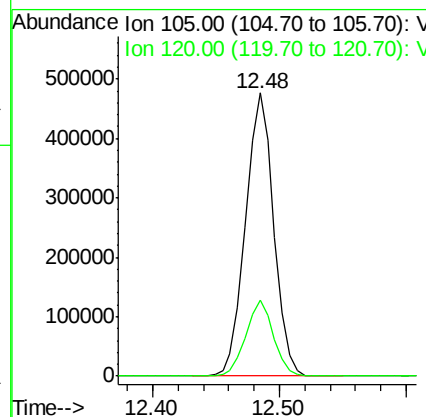
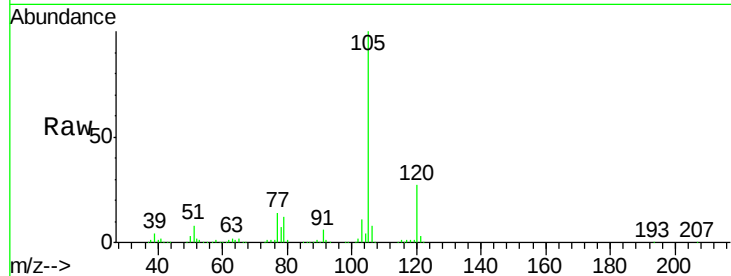
#73
Isopropylbenzene
Concen: 50.605 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.8

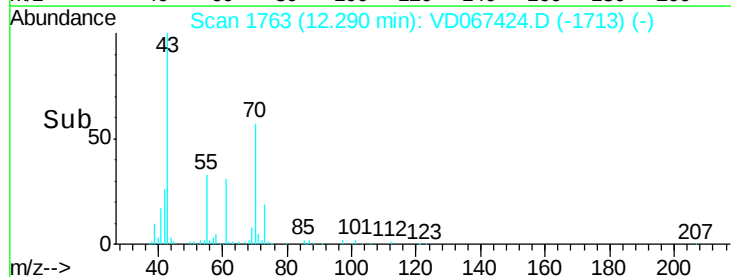
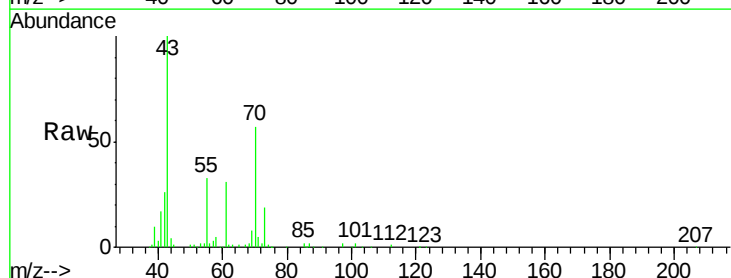
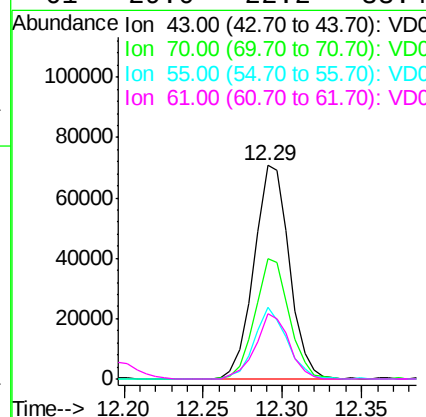
Manual Integrations
APPROVED

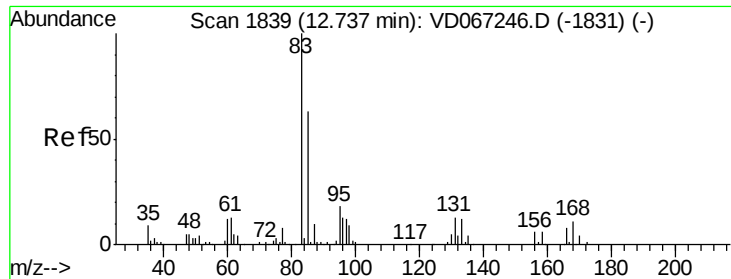
MMDadoda
10/28/2020 11:45:14 AM



#74
N-ethyl acetate
Concen: 50.258 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
43	100		
70	54.8	42.7	64.1
55	31.3	24.0	36.0
61	29.0	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.013 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

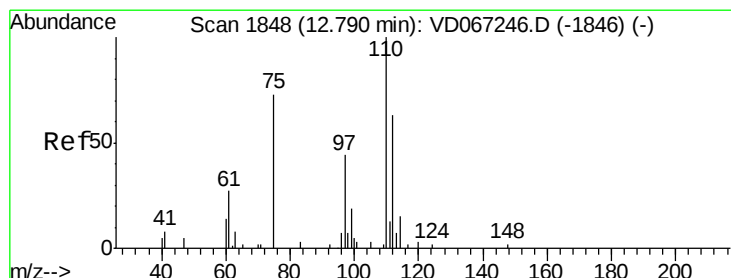
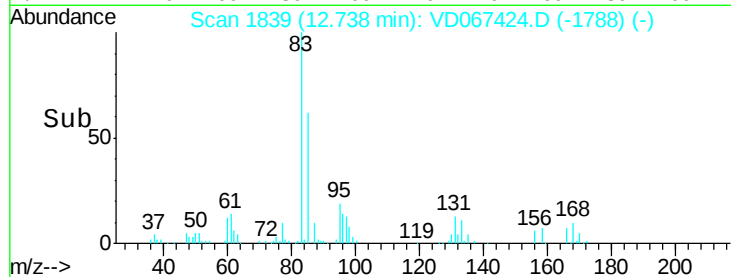
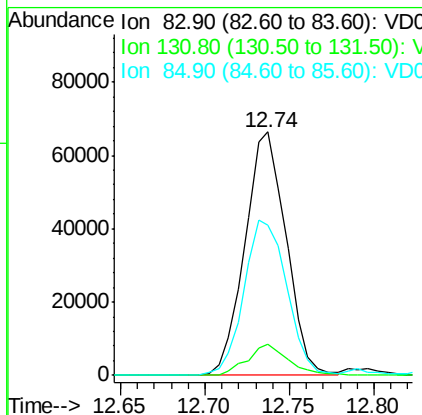
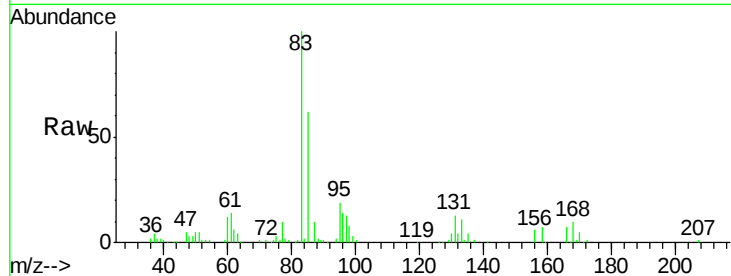
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	113034
Ion Ratio	Lower	Upper	
83	100		
131	12.5	6.5	19.5
85	66.0	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 51.789 ug/l m

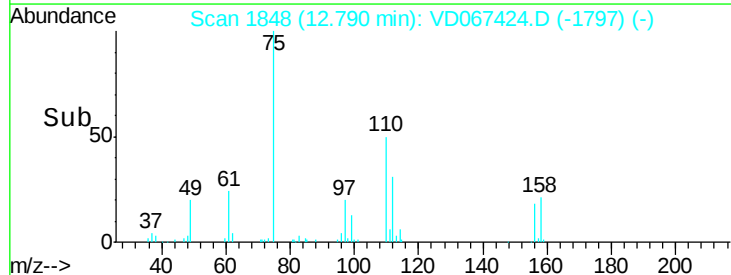
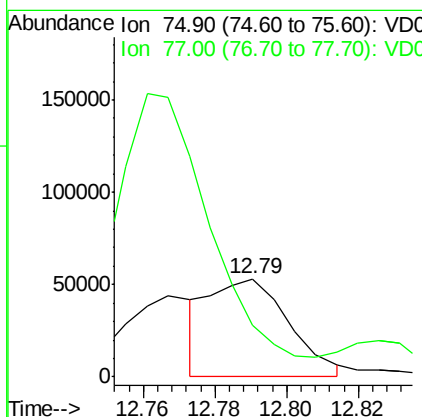
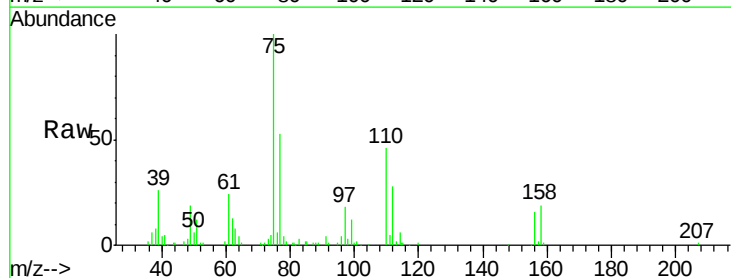
RT: 12.79 min Scan# 1848

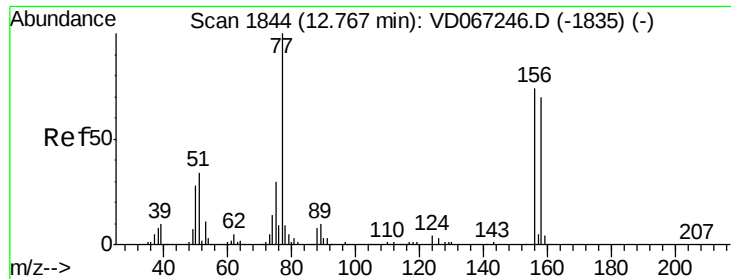
Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Tgt Ion:	75	Resp:	81787
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





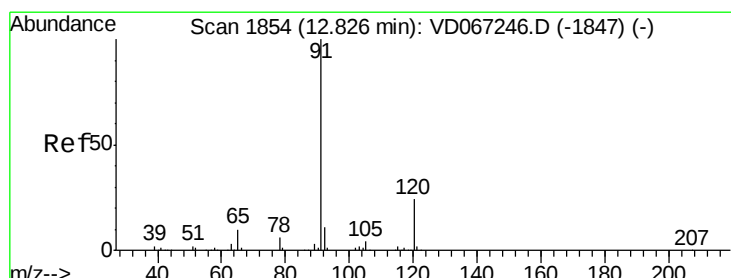
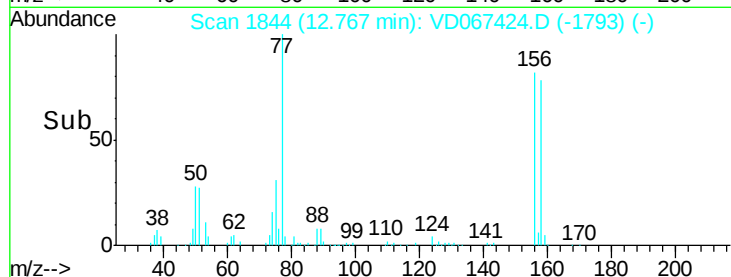
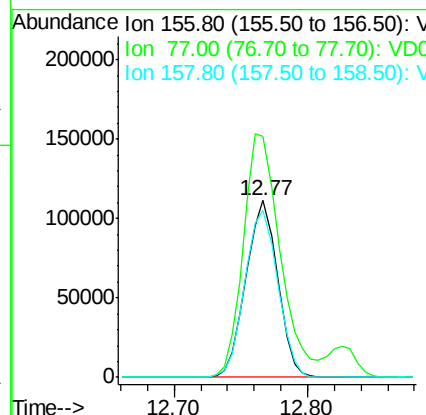
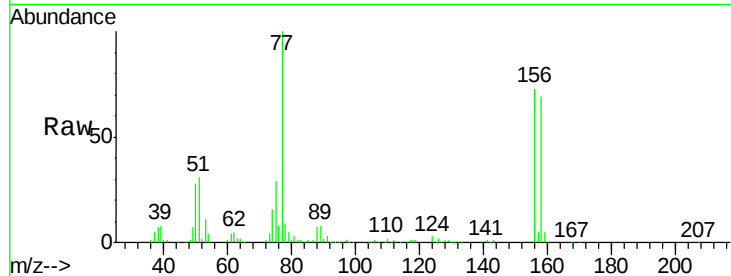
#77
Bromobenzene
Concen: 50.906 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		183533		
77	160.4	78.0	233.8		
158	98.1	49.1	147.3		

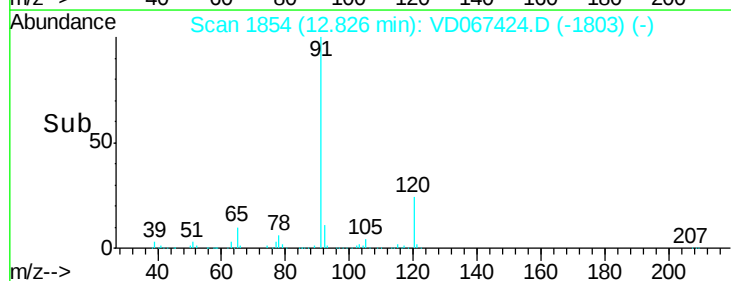
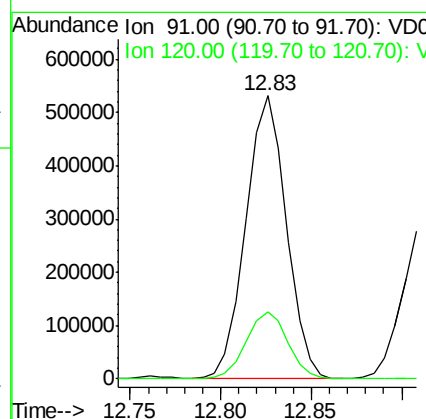
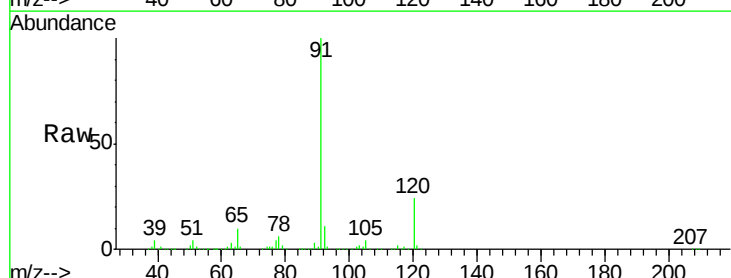
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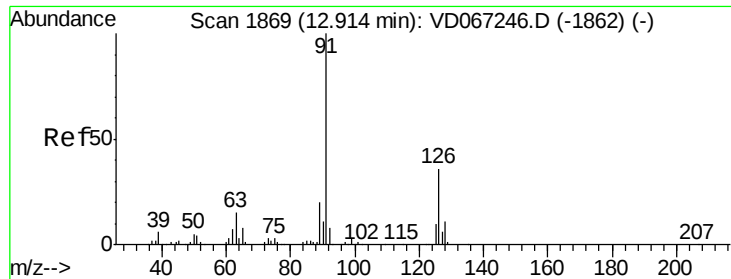
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#78
n-propylbenzene
Concen: 49.330 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		826520		
120	24.3	11.9	35.9		





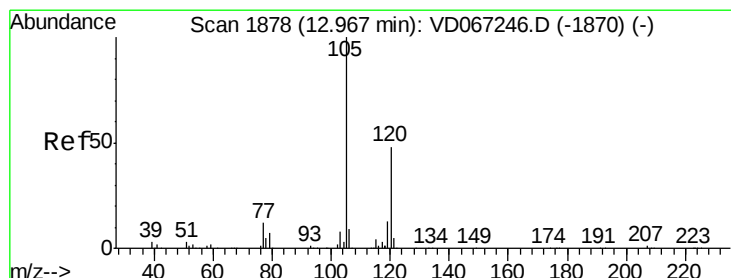
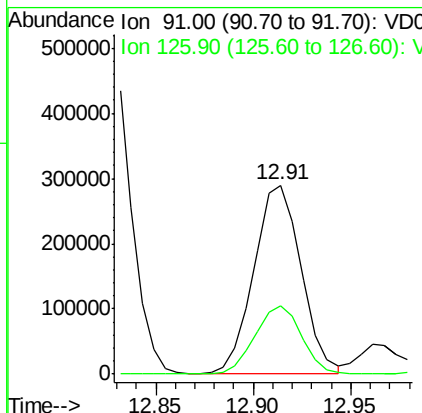
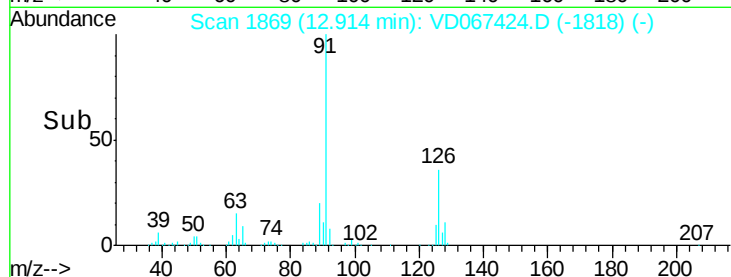
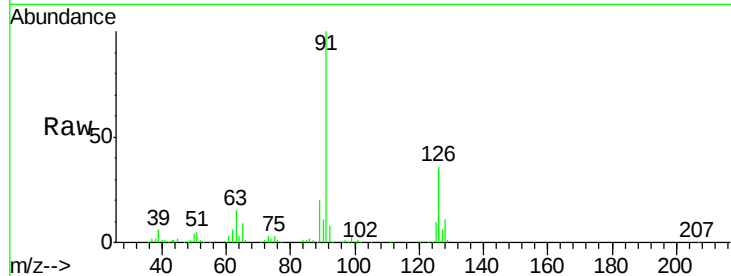
#79
 2-Chlorotoluene
 Concen: 50.052 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 486334
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.6 52.8

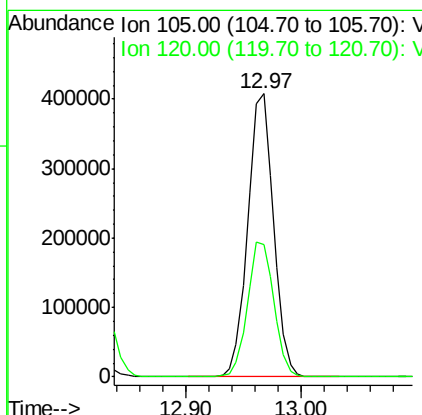
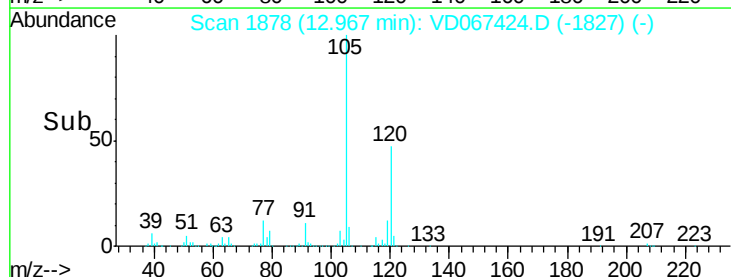
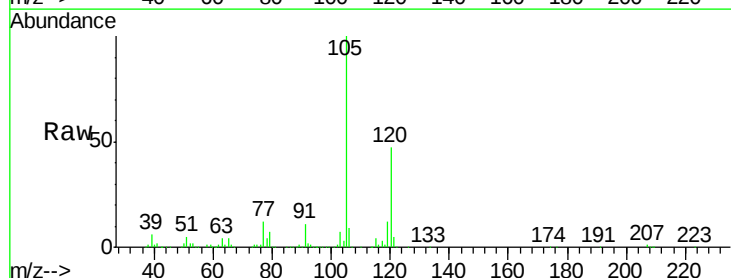
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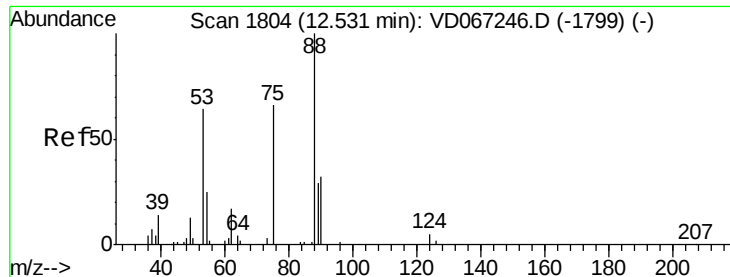
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.508 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Tgt Ion: 105 Resp: 634722
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.460 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Instrument :

MSVOA_D

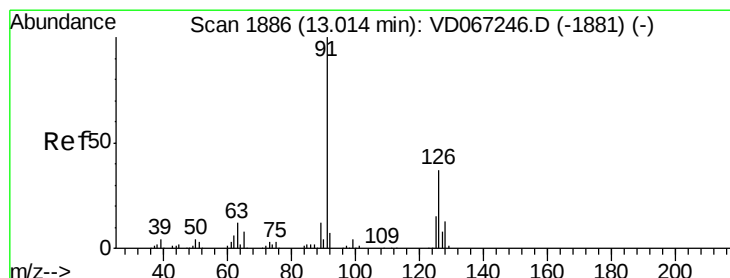
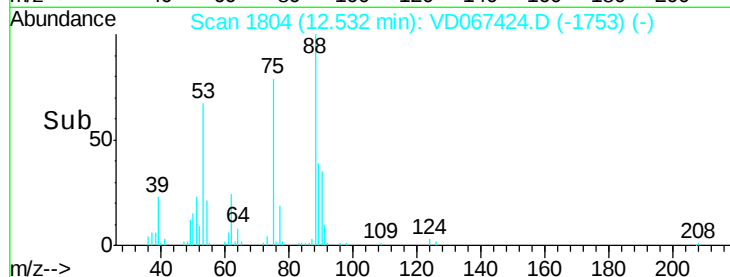
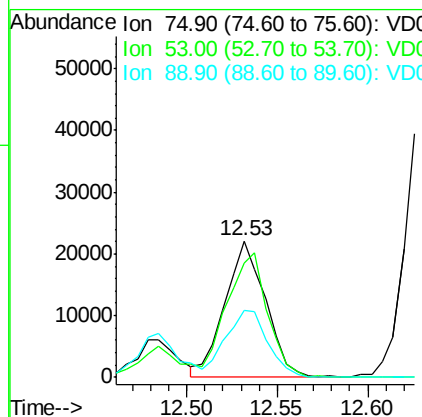
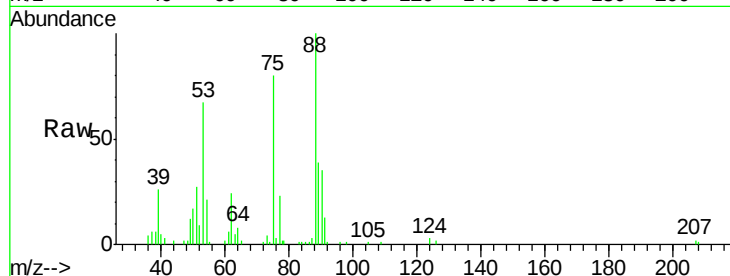
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	34444
Ion	Ratio	Lower	Upper
75	100		
53	91.2	78.5	117.7
89	51.0	39.9	59.9

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#82

4-Chlorotoluene

Concen: 50.852 ug/l

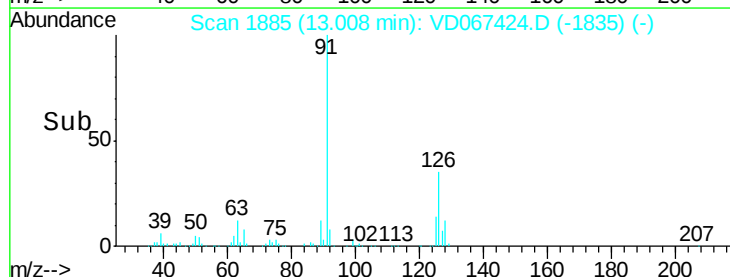
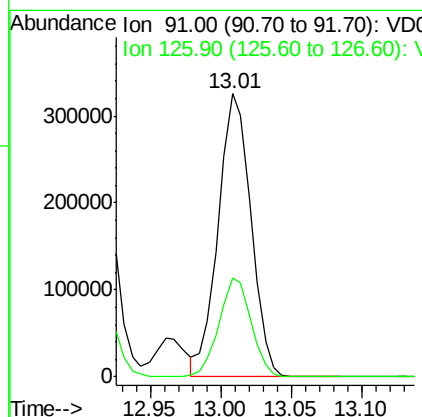
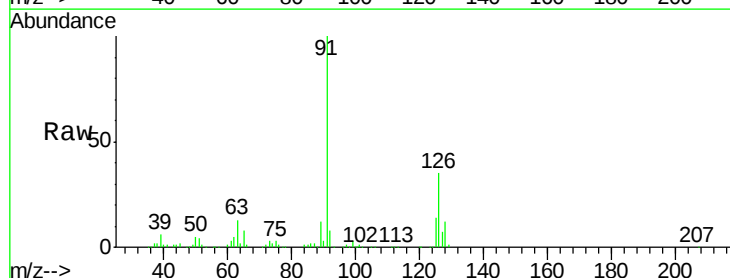
RT: 13.01 min Scan# 1885

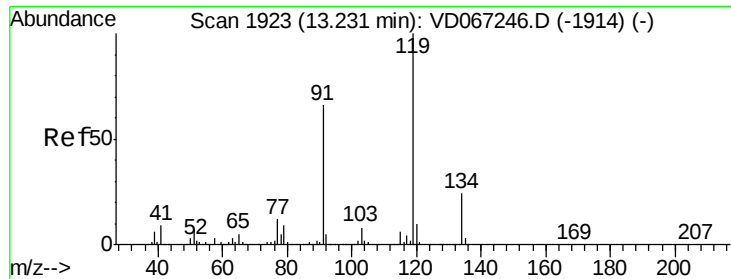
Delta R.T. -0.01 min

Lab File: VD067424.D

Acq: 27 Oct 2020 20:59

Tgt Ion:	91	Resp:	524423
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.8	53.5





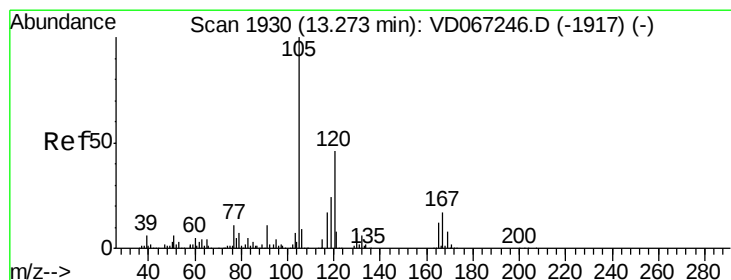
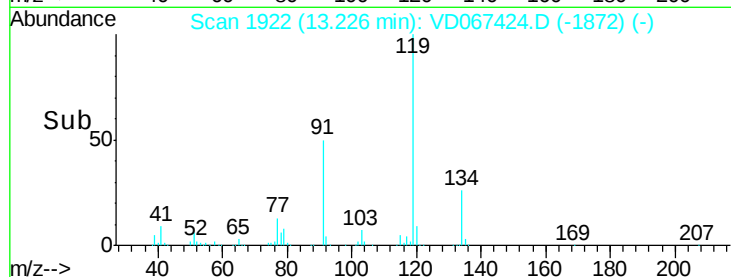
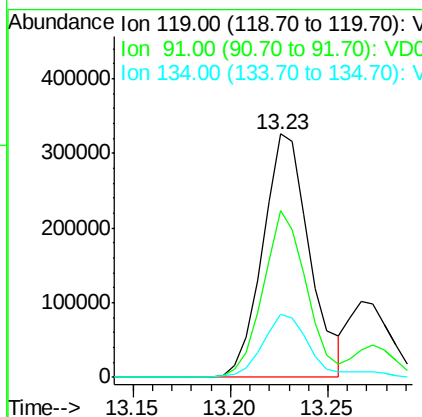
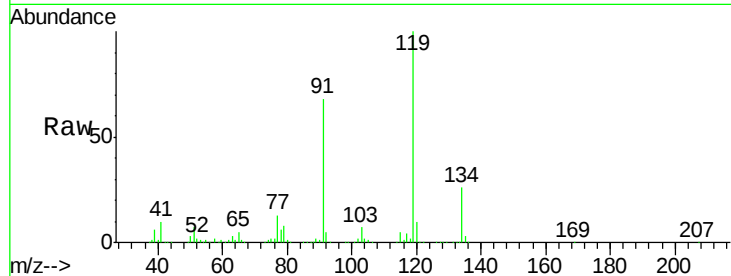
#83
tert-Butylbenzene
Concen: 51.124 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	33.1	99.2
134	26.9	13.3	39.9

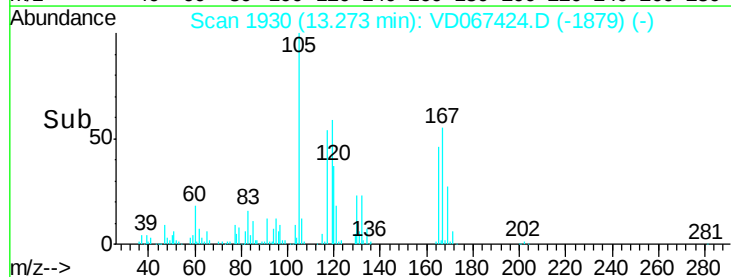
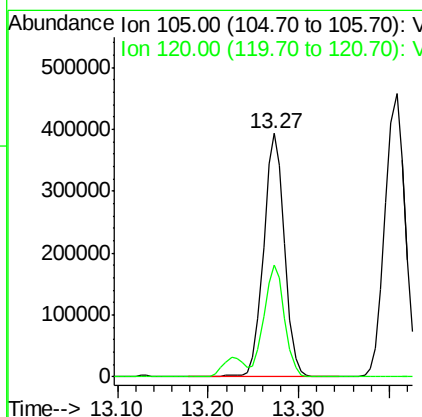
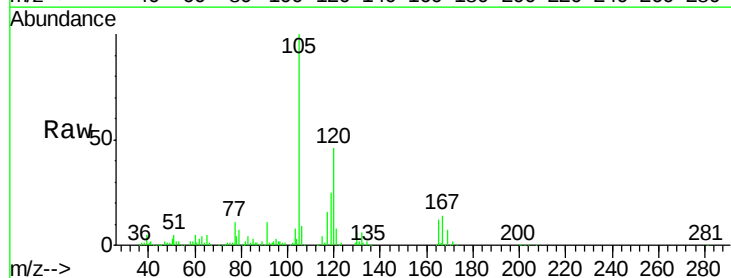
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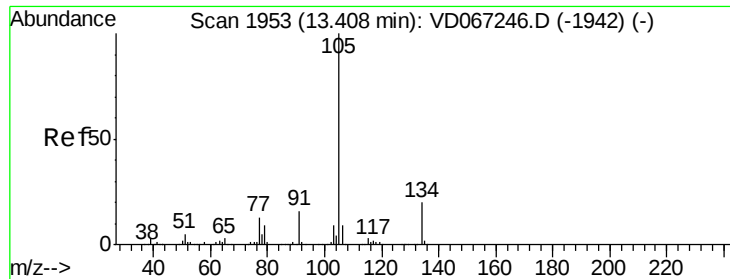
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#84
1,2,4-Trimethylbenzene
Concen: 50.764 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.4	67.3





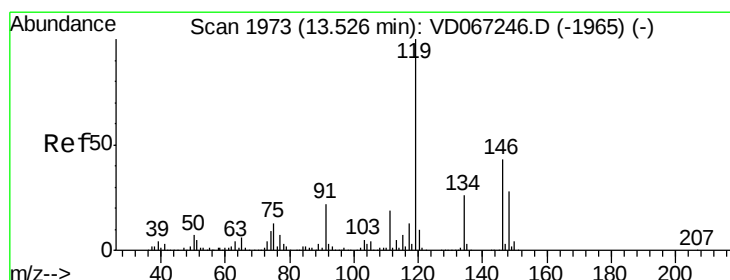
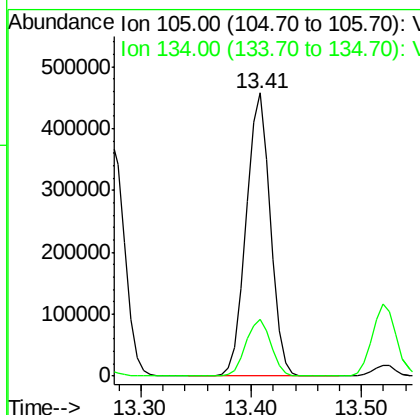
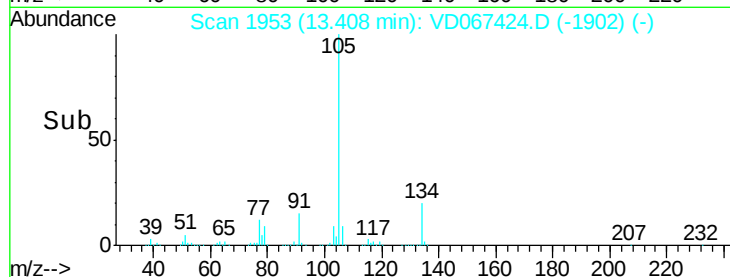
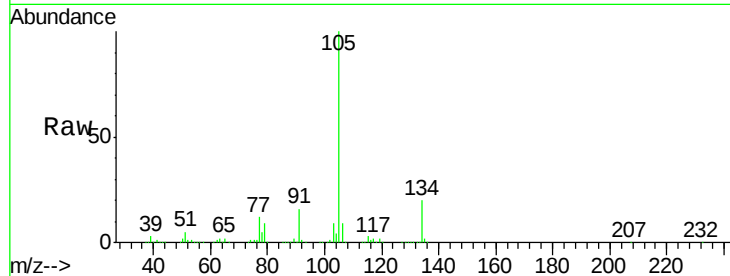
#85
 sec-Butylbenzene
 Concen: 48.435 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.5	31.5

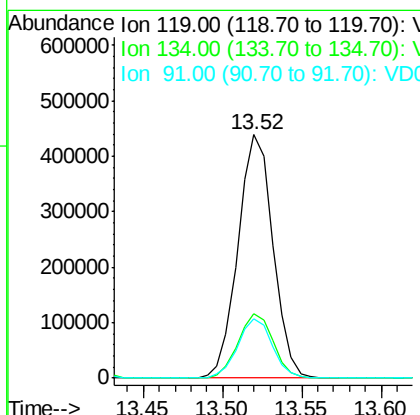
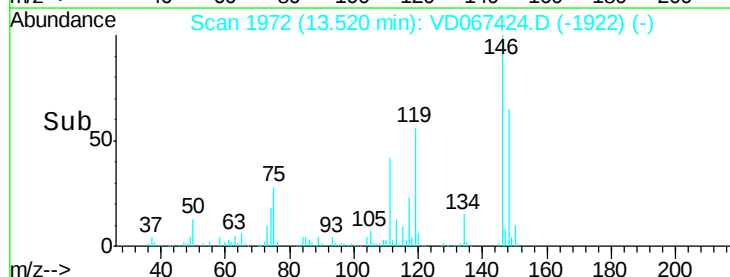
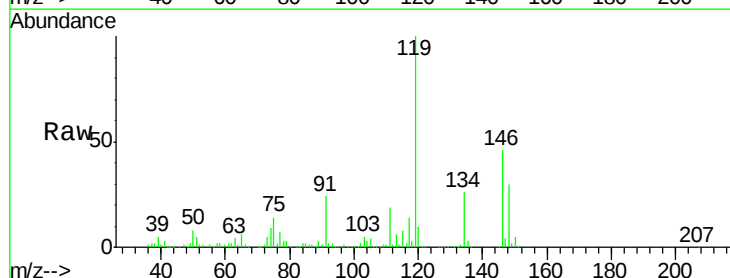
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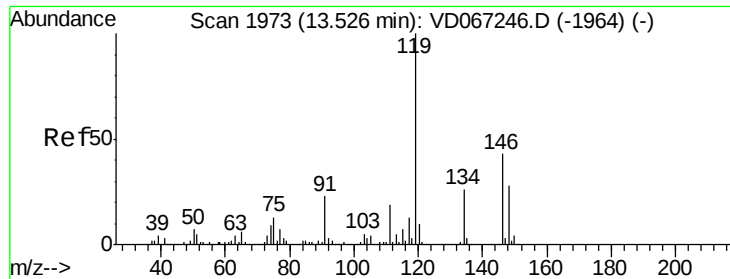
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#86
 p-Isopropyltoluene
 Concen: 48.889 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.3
91	24.2	11.9	35.9





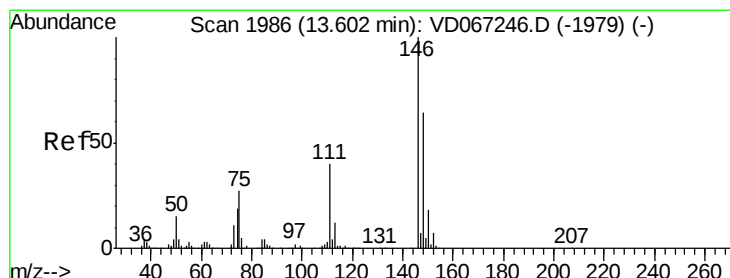
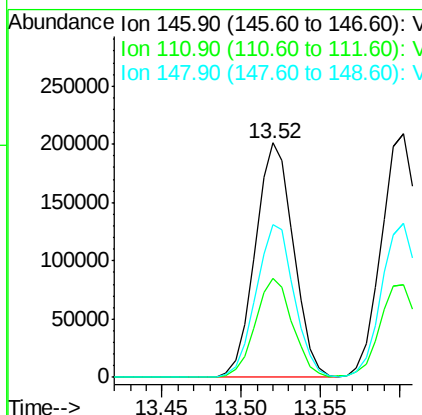
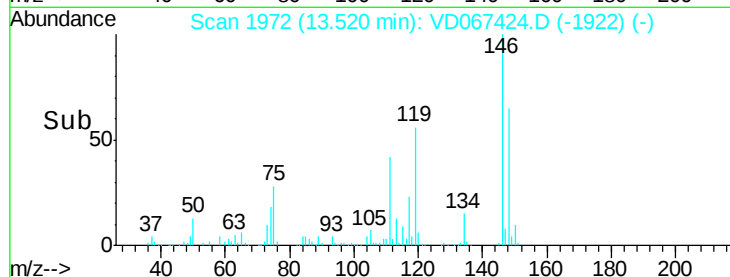
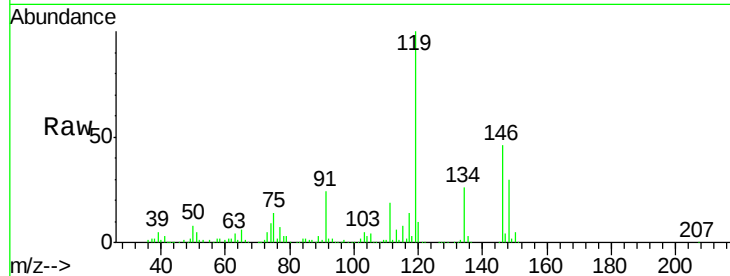
#87
 1,3-Dichlorobenzene
 Concen: 48.645 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.3
148	64.8	31.9	95.9

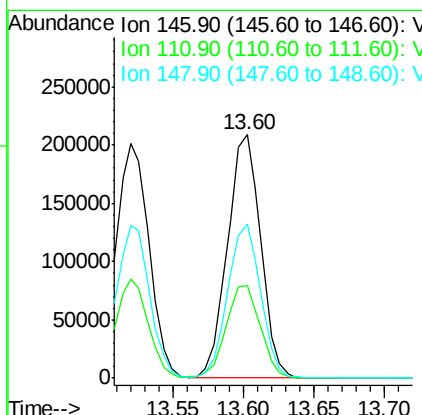
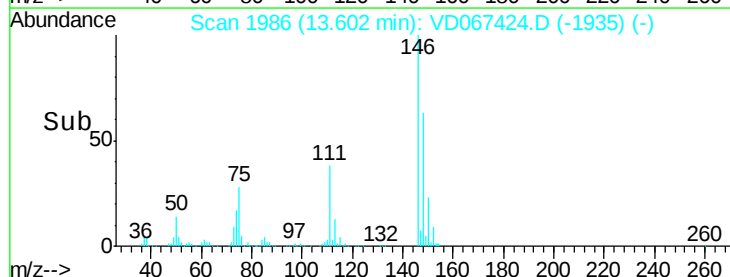
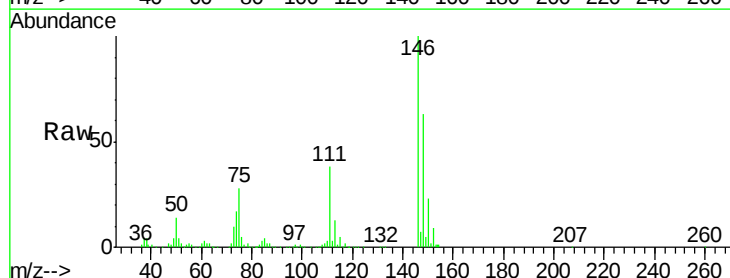
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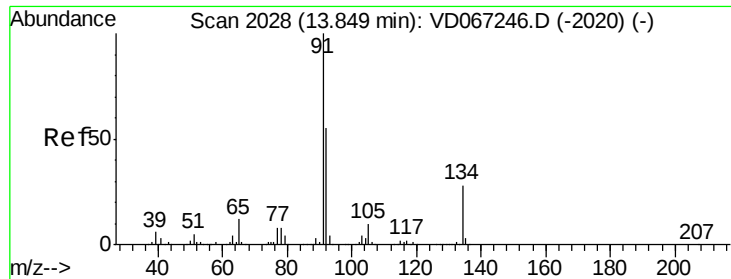
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#88
 1,4-Dichlorobenzene
 Concen: 49.813 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.0	31.9	95.9





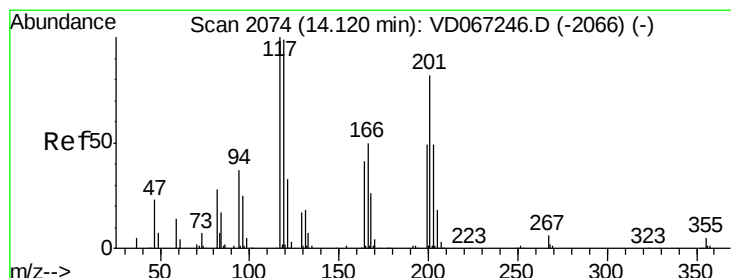
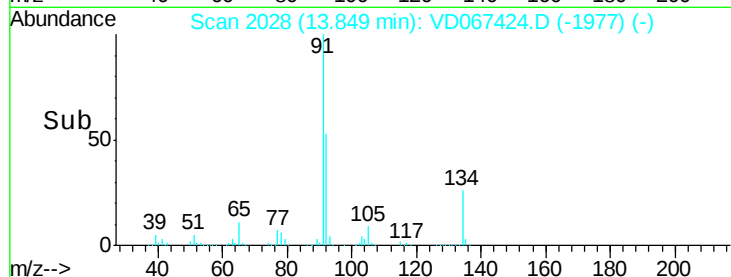
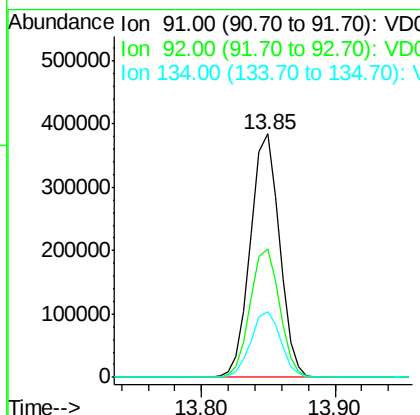
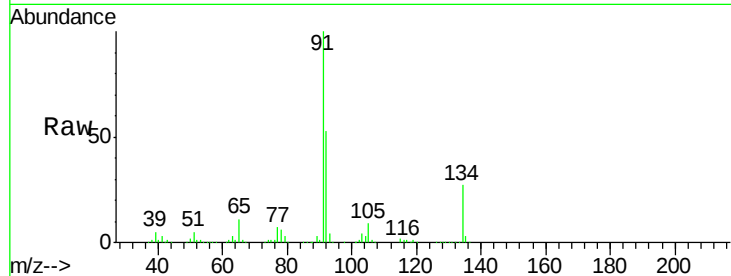
#89
n-Butylbenzene
Concen: 47.677 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.0
134	27.6	14.2	42.6

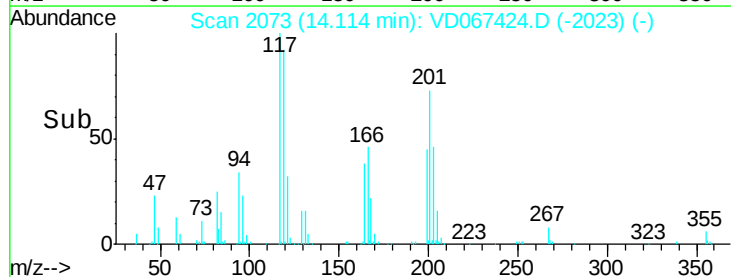
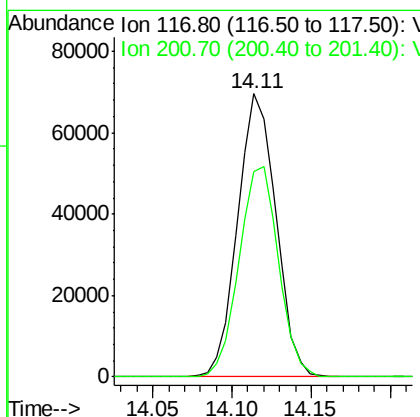
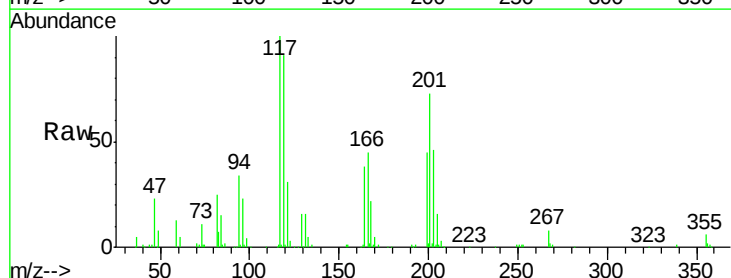
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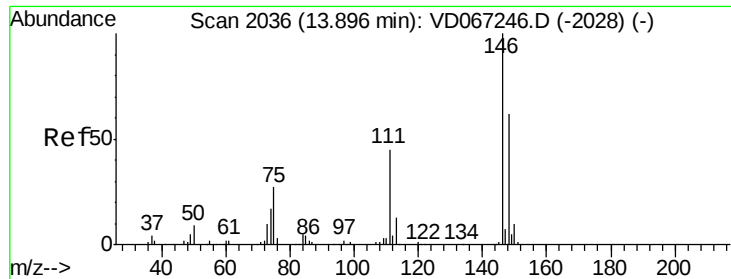
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#90
Hexachloroethane
Concen: 48.713 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.6	40.8	122.2





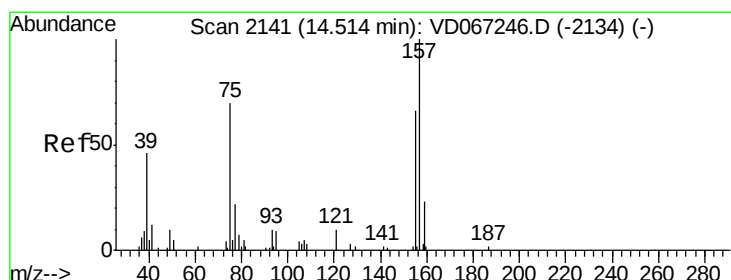
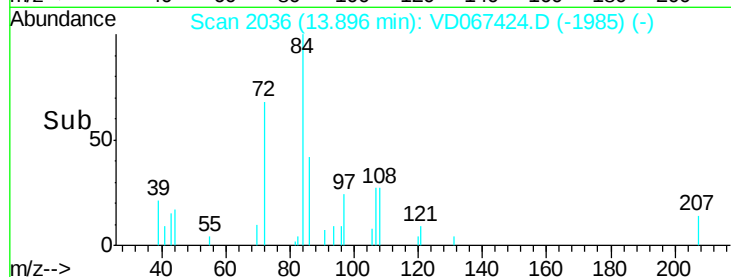
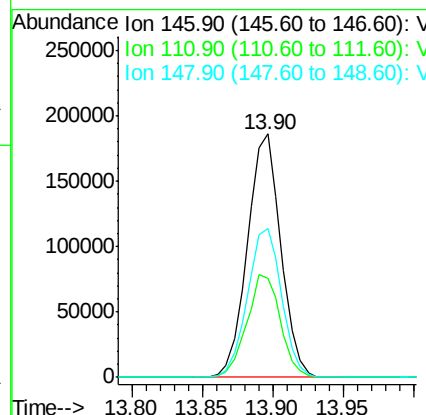
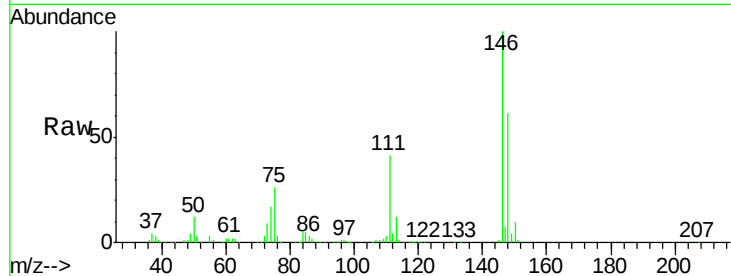
#91
 1,2-Dichlorobenzene
 Concen: 50.809 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.0	66.0
148	62.7	32.5	97.5

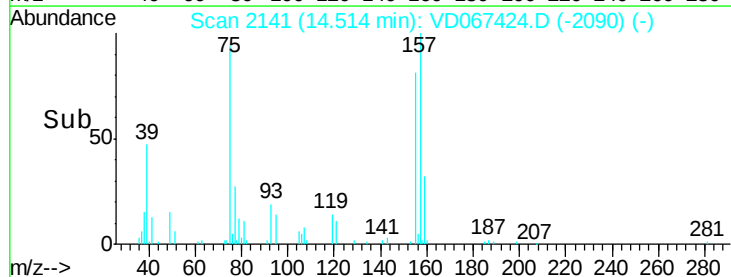
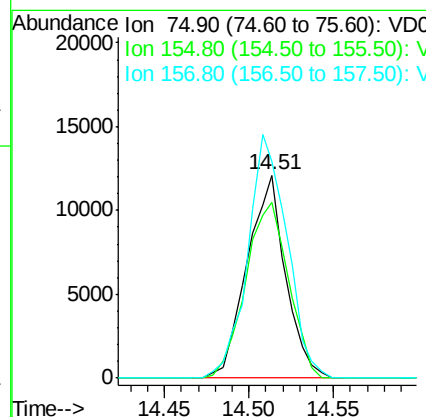
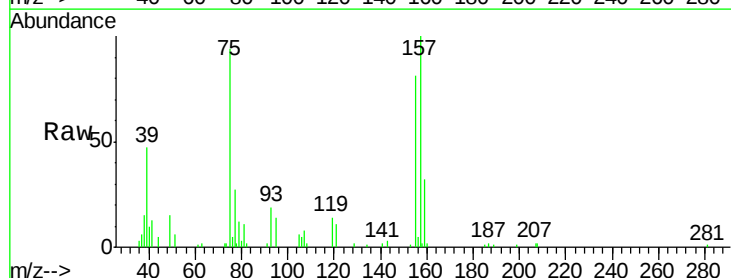
Manual Integrations
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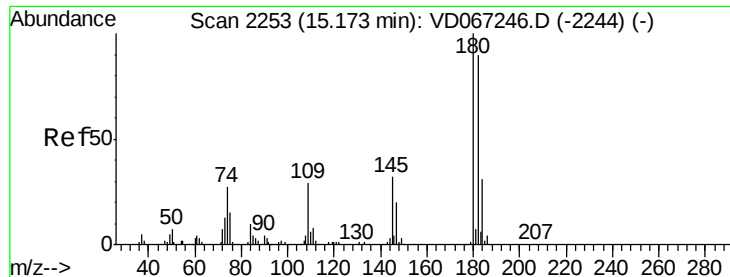
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.707 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	44.8	134.4
157	121.9	62.5	187.4





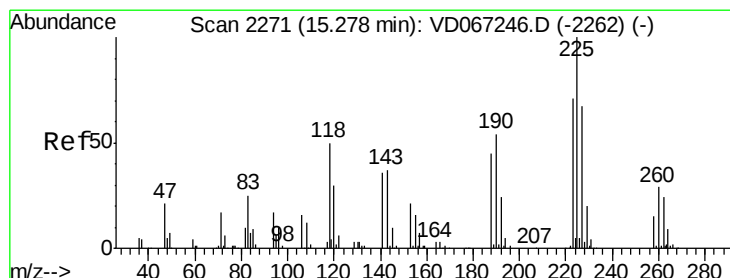
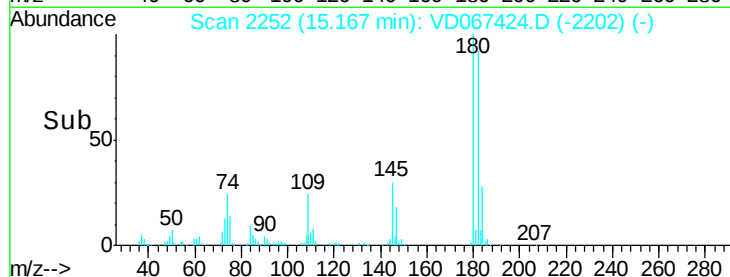
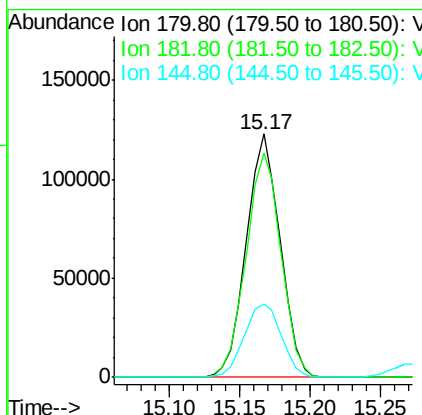
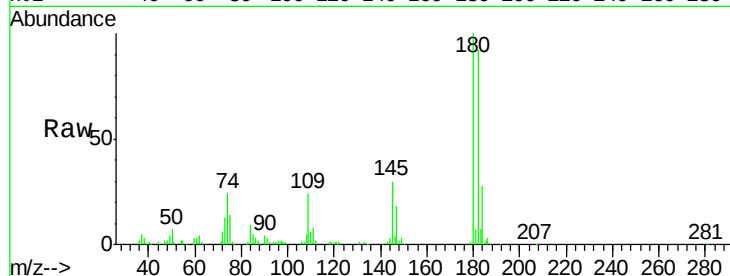
#93
 1,2,4-Trichlorobenzene
 Concen: 50.660 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	48.1	144.4	
145	33.2	16.3	48.9	

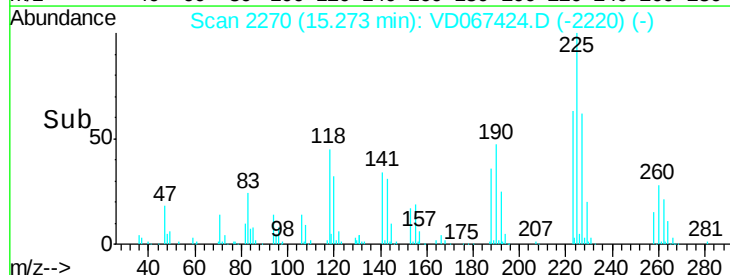
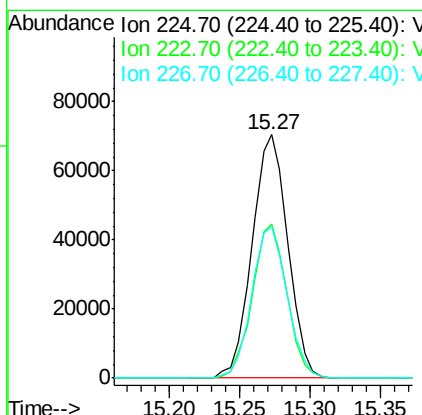
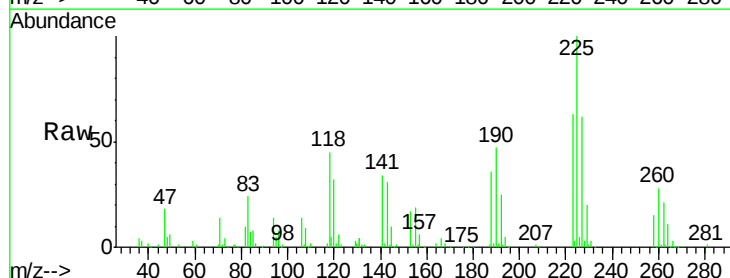
Manual Integrations
 APPROVED

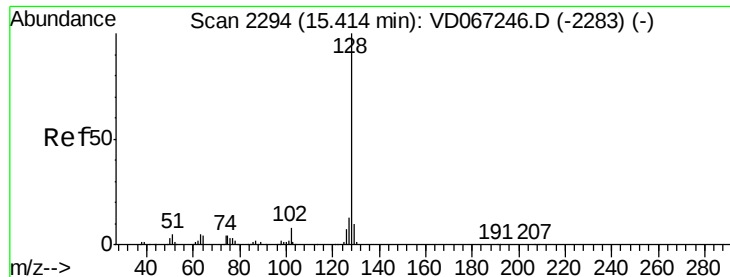
MMDadoda
 10/28/2020 11:45:14 AM



#94
 Hexachlorobutadiene
 Concen: 49.299 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067424.D
 Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.1	31.9	95.7	
227	61.7	31.2	93.6	





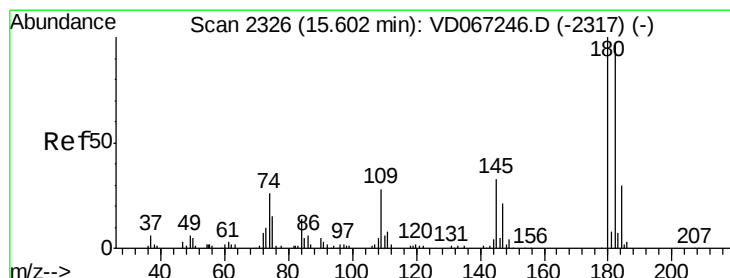
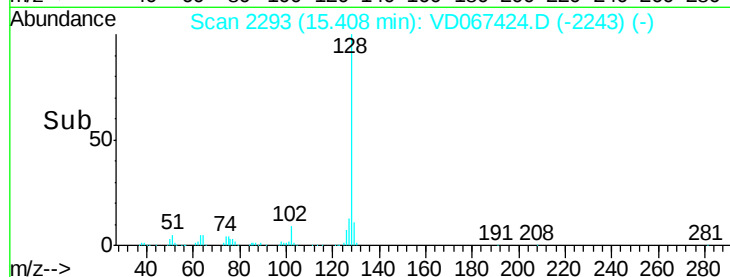
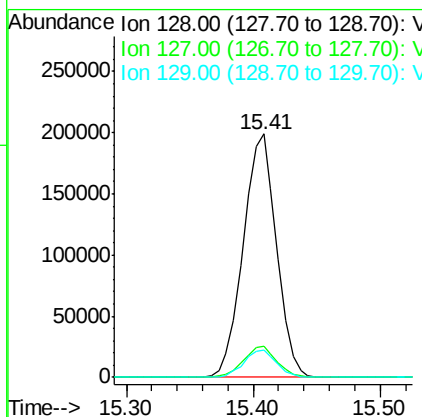
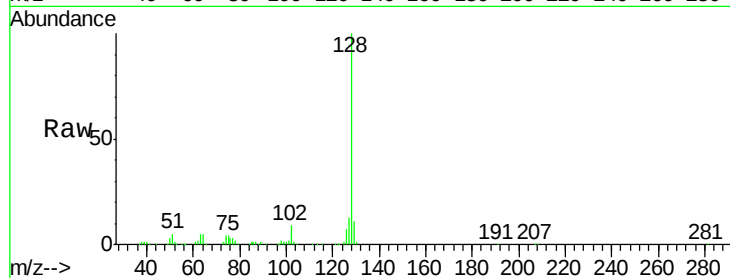
#95
Naphthalene
Concen: 53.902 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/28/2020 11:45:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.810 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067424.D
Acq: 27 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.1	144.3
145	34.8	17.3	51.9

