

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067313.D
 Acq On : 20 Oct 2020 10:04
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 10/21/2020 2:51:53 PM

Quant Time: Oct 21 01:58:25 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	338349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	488096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	452446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	156781	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
35) Dibromofluoromethane	7.91	113	161822	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.34	98	589806	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.64	95	199987	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	131624	48.317	ug/l	97
3) Chloromethane	2.21	50	95173	44.695	ug/l	98
4) Vinyl Chloride	2.35	62	110935	47.481	ug/l	94
5) Bromomethane	2.77	94	86439	53.321	ug/l	100
6) Chloroethane	2.93	64	70033	48.131	ug/l	93
7) Trichlorofluoromethane	3.27	101	285423	48.514	ug/l	97
8) Diethyl Ether	3.71	74	61674	45.812	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	152617	48.826	ug/l	97
10) Methyl Iodide	4.30	142	160175	55.551	ug/l	98
11) Tert butyl alcohol	5.21	59	39206	216.321	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	136926	49.034	ug/l	97
13) Acrolein	3.92	56	57328	280.116	ug/l	97
14) Allyl chloride	4.71	41	159312	49.818	ug/l	99
15) Acrylonitrile	5.41	53	112919	251.376	ug/l	99
16) Acetone	4.16	43	130419	274.720	ug/l	95
17) Carbon Disulfide	4.41	76	368927	46.343	ug/l	98
18) Methyl Acetate	4.72	43	52056	48.075	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	281072	50.620	ug/l	98
20) Methylene Chloride	4.97	84	151093	49.656	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	160380	49.908	ug/l	92
22) Diisopropyl ether	6.36	45	299277	51.231	ug/l	97
23) Vinyl Acetate	6.30	43	904403	272.123	ug/l	100
24) 1,1-Dichloroethane	6.27	63	250767	50.147	ug/l	100
25) 2-Butanone	7.21	43	134876	249.240	ug/l	96
26) 2,2-Dichloropropane	7.21	77	264239	51.266	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	176224	50.037	ug/l	99
28) Bromochloromethane	7.54	49	84336	49.445	ug/l #	98
29) Tetrahydrofuran	7.56	42	75611	251.355	ug/l	93
30) Chloroform	7.71	83	298957	50.045	ug/l	94
31) Cyclohexane	7.98	56	186702	47.820	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	299528	51.103	ug/l	100
36) 1,1-Dichloropropene	8.11	75	215606	52.117	ug/l	98
37) Ethyl Acetate	7.30	43	62590	51.423	ug/l #	89
38) Carbon Tetrachloride	8.10	117	281833	53.303	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	231357	53.495	ug/l	99
40) Benzene	8.36	78	603152	53.145	ug/l	100
41) Methacrylonitrile	7.53	41	37850	57.546	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	185258	52.160	ug/l	100
43) Isopropyl Acetate	8.45	43	129121	53.463	ug/l	100
44) Trichloroethene	9.11	130	191634	52.737	ug/l	98
45) 1,2-Dichloropropane	9.39	63	134814	51.255	ug/l	95
46) Dibromomethane	9.48	93	83377	50.877	ug/l	99
47) Bromodichloromethane	9.67	83	229150	52.190	ug/l	98
48) Methyl methacrylate	9.46	41	69039	58.822	ug/l #	85
49) 1,4-Dioxane	9.46	88	17003	1074.386	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	319104	264.902	ug/l	98
52) Toluene	10.40	92	413652	53.513	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	203861	52.855	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	237390	52.591	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	115971	51.895	ug/l	97
56) Ethyl methacrylate	10.66	69	126175	54.441	ug/l	98
57) 1,3-Dichloropropane	10.95	76	185668	52.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	320822	269.836	ug/l	99
59) 2-Hexanone	10.99	43	237848	288.950	ug/l	99
60) Dibromochloromethane	11.14	129	170249	52.239	ug/l	100
61) 1,2-Dibromoethane	11.25	107	113481	51.509	ug/l	98
64) Tetrachloroethene	10.88	164	166716	50.857	ug/l	96
65) Chlorobenzene	11.67	112	449665	51.828	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	181839	52.733	ug/l	99
67) Ethyl Benzene	11.75	91	798568	53.694	ug/l	98
68) m/p-Xylenes	11.86	106	615277	107.431	ug/l	98
69) o-Xylene	12.18	106	280853	52.957	ug/l	97
70) Styrene	12.20	104	481568	52.749	ug/l	98
71) Bromoform	12.37	173	96768	52.236	ug/l #	100
73) Isopropylbenzene	12.48	105	801997	56.262	ug/l	100
74) N-amyl acetate	12.30	43	115874	53.822	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	115652	52.951	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	69784m	44.829	ug/l	
77) Bromobenzene	12.77	156	191283	53.825	ug/l	99
78) n-propylbenzene	12.83	91	913605	55.317	ug/l	100
79) 2-Chlorotoluene	12.91	91	519484	54.238	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	684623	55.269	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	38372	55.899	ug/l	97
82) 4-Chlorotoluene	13.01	91	544456	53.560	ug/l	99
83) tert-Butylbenzene	13.23	119	584400	55.851	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	680990	55.622	ug/l	99
85) sec-Butylbenzene	13.41	105	804097	56.005	ug/l	100
86) p-Isopropyltoluene	13.52	119	748959	55.267	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	362228	52.955	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	359525	53.051	ug/l	99
89) n-Butylbenzene	13.85	91	679035	56.957	ug/l	98
90) Hexachloroethane	14.12	117	126086	53.317	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	313619	52.483	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20160	50.807	ug/l	95

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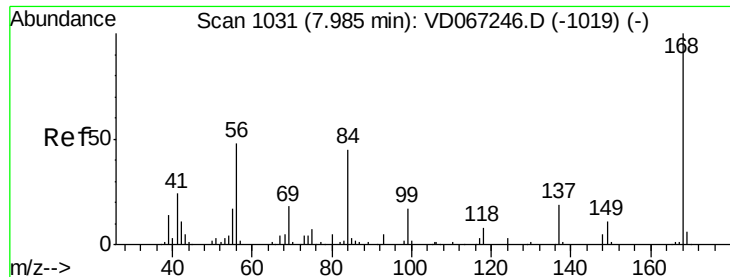
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	220870	54.822	ug/l	98
94) Hexachlorobutadiene	15.27	225	138231	55.251	ug/l	98
95) Naphthalene	15.41	128	366847	55.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	192256	55.236	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: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 338349

Ion Ratio Lower Upper

168 100

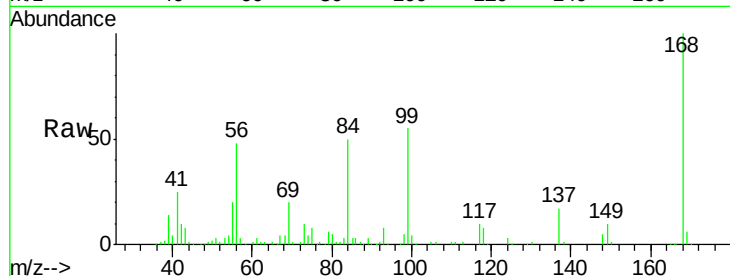
99 54.3 45.9 68.9

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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

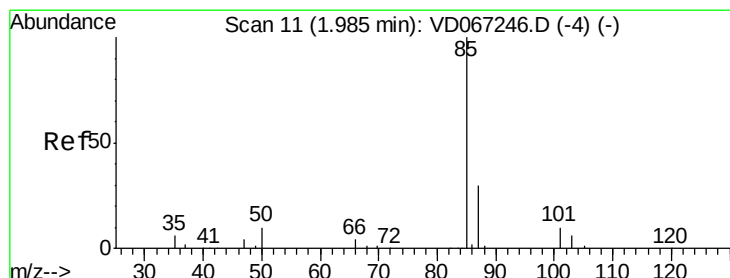
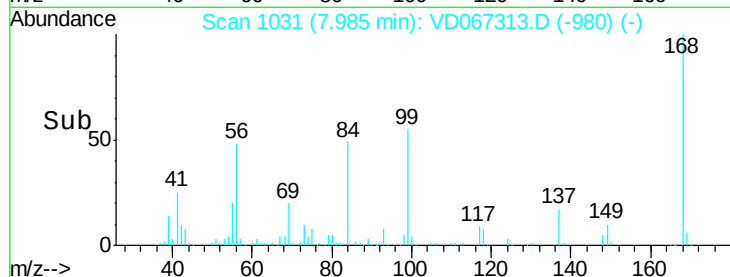
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50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 48.317 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067313.D

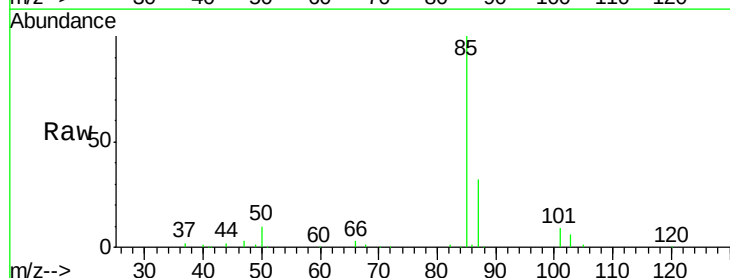
Acq: 20 Oct 2020 10:04

Tgt Ion: 85 Resp: 131624

Ion Ratio Lower Upper

85 100

87 31.9 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

100000

80000

60000

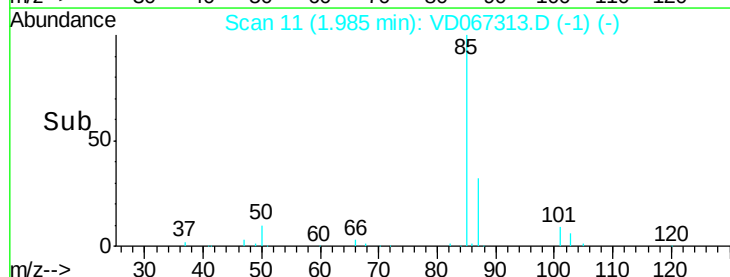
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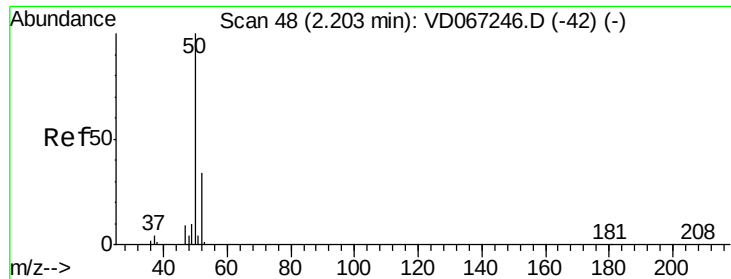
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 44.695 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 95173

Ion Ratio Lower Upper

50 100

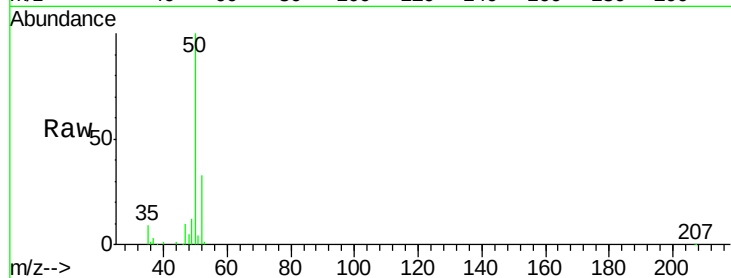
52 32.8 27.1 40.7

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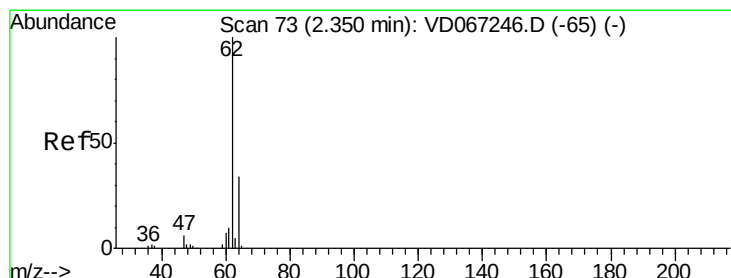
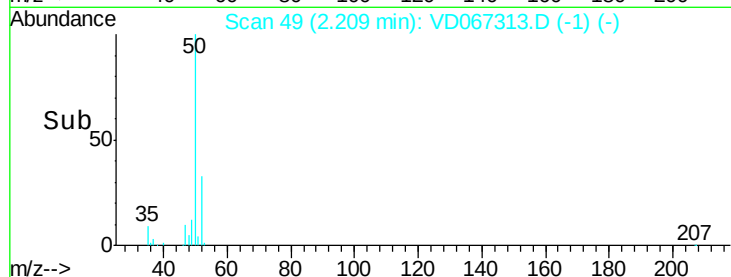
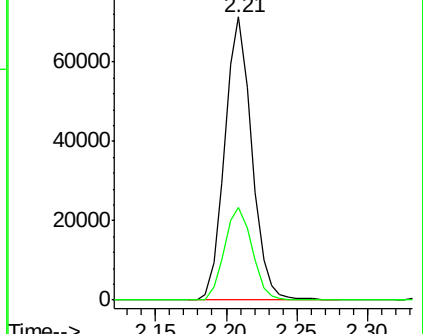
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.481 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067313.D

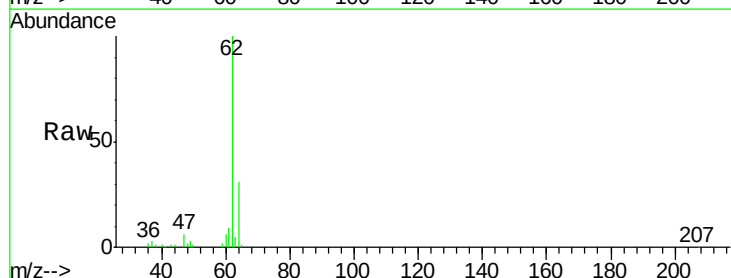
Acq: 20 Oct 2020 10:04

Tgt Ion: 62 Resp: 110935

Ion Ratio Lower Upper

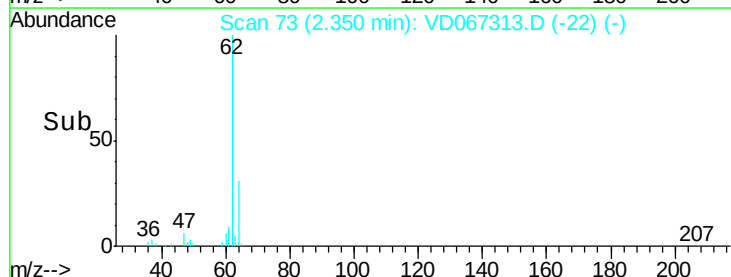
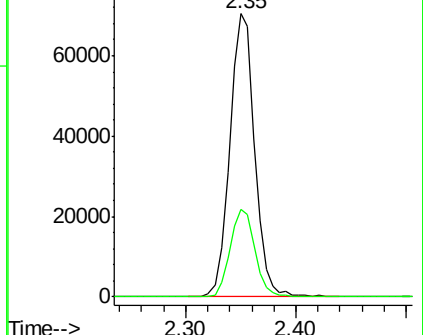
62 100

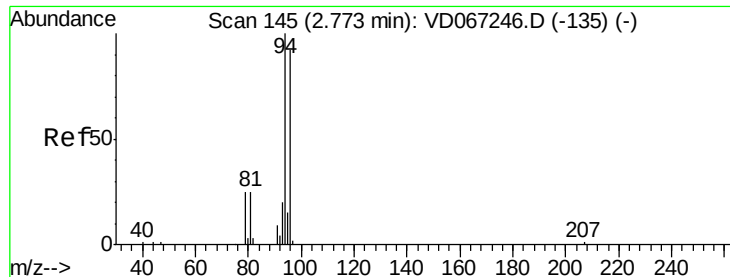
64 31.0 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 53.321 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86439

Ion Ratio Lower Upper

94 100

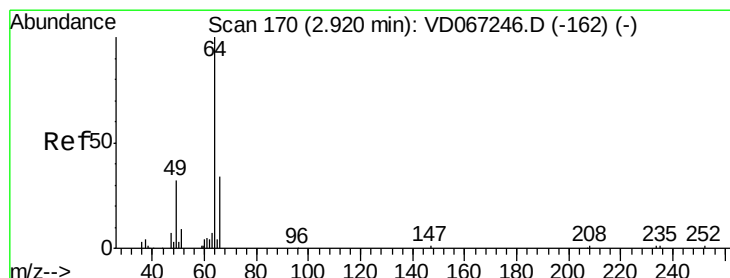
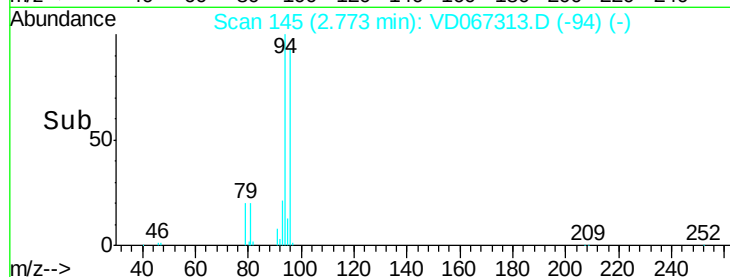
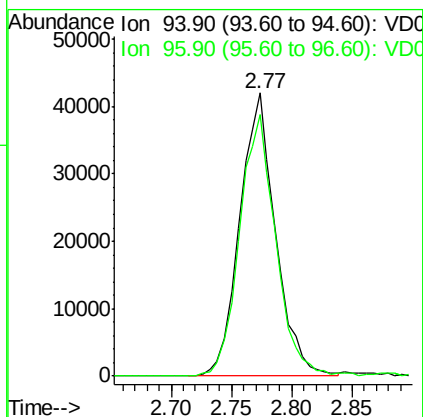
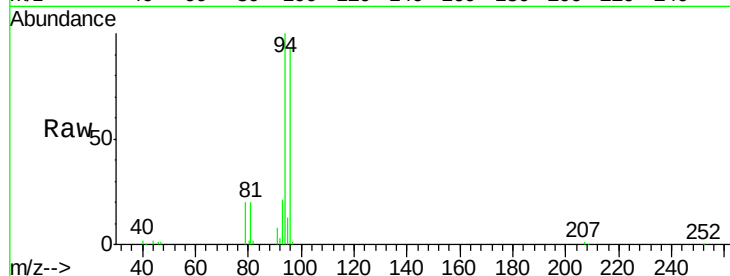
96 92.5 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 48.131 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067313.D

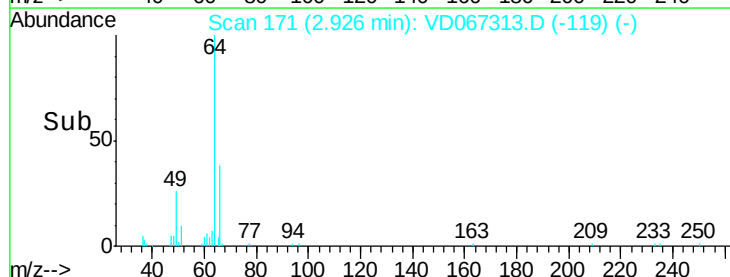
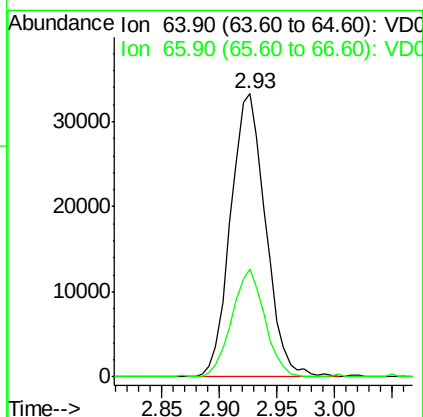
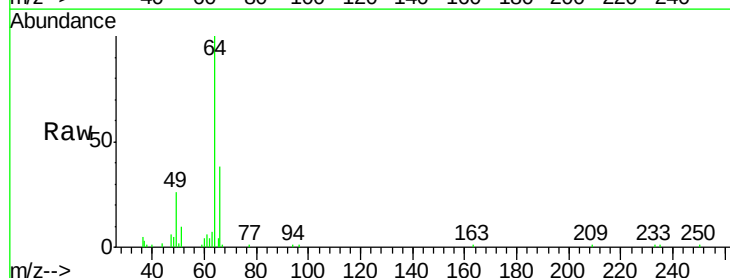
Acq: 20 Oct 2020 10:04

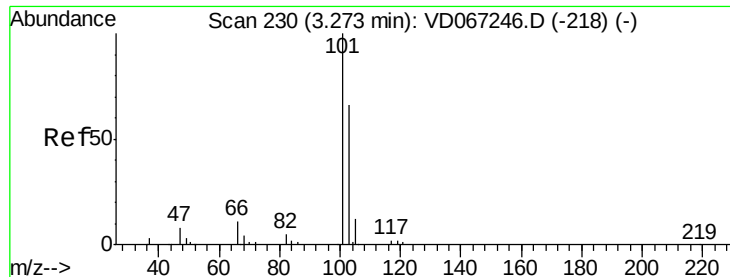
Tgt Ion: 64 Resp: 70033

Ion Ratio Lower Upper

64 100

66 38.0 27.4 41.0





#7

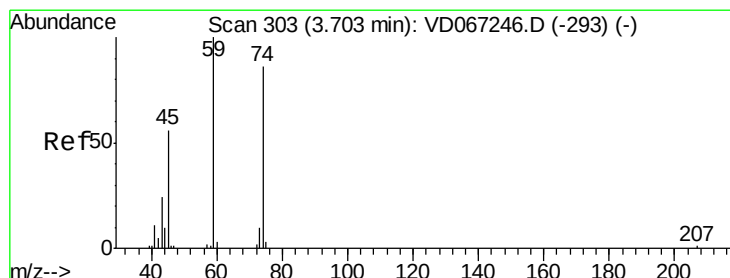
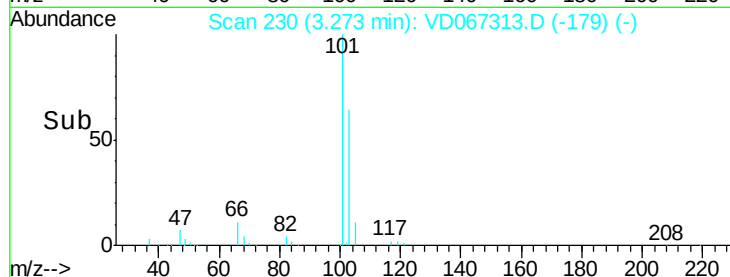
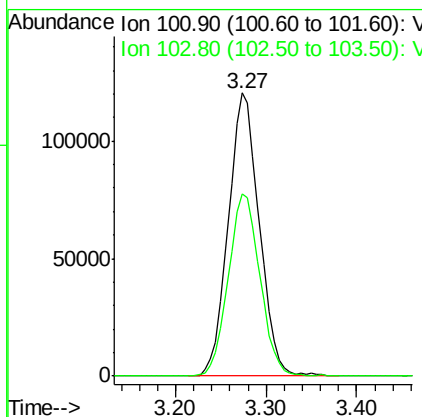
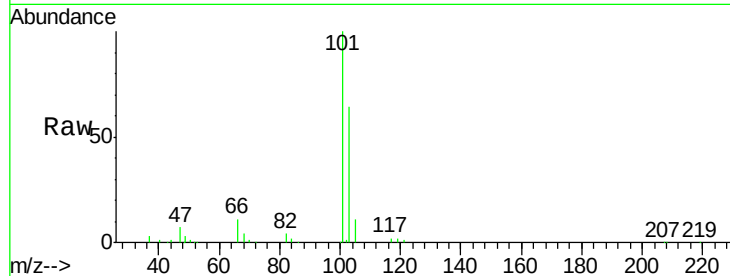
Trichlorofluoromethane
Concen: 48.514 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	53.1	79.7

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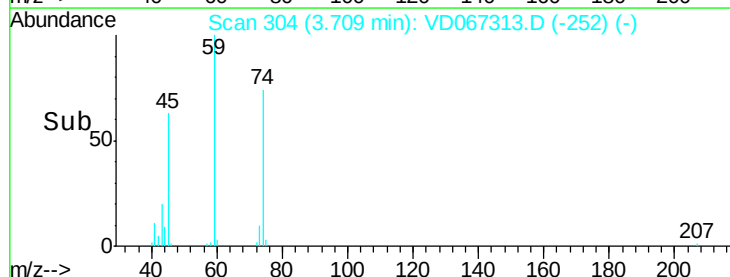
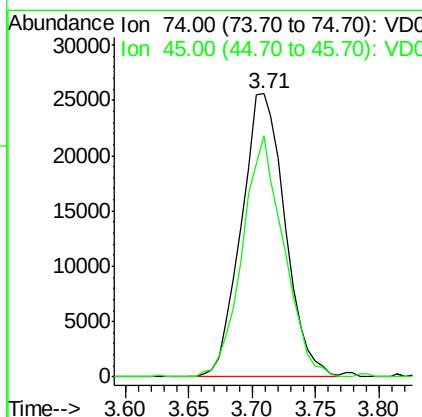
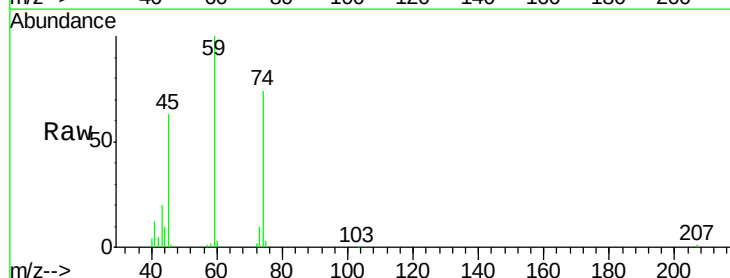
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10/21/2020 2:51:53 PM

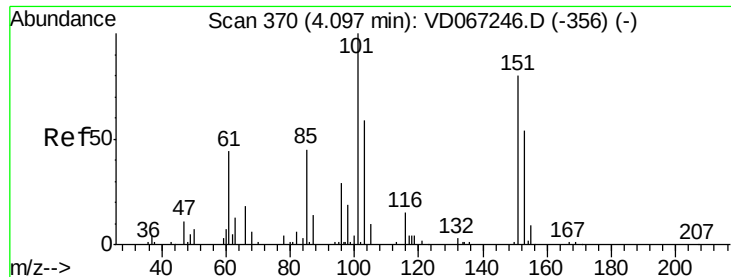


#8

Diethyl Ether
Concen: 45.812 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.1	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.826 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

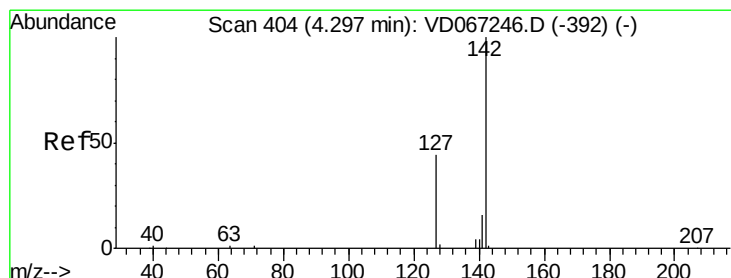
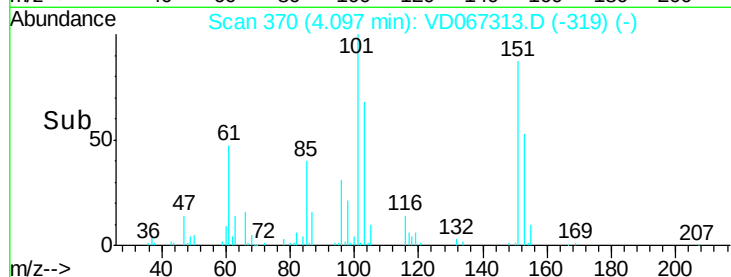
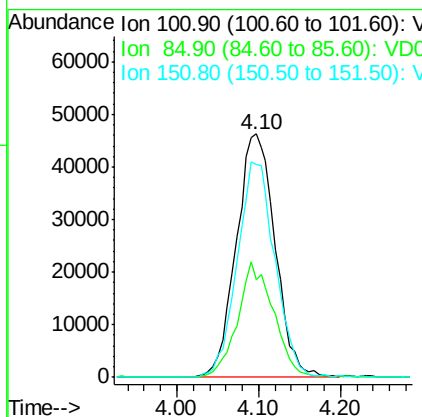
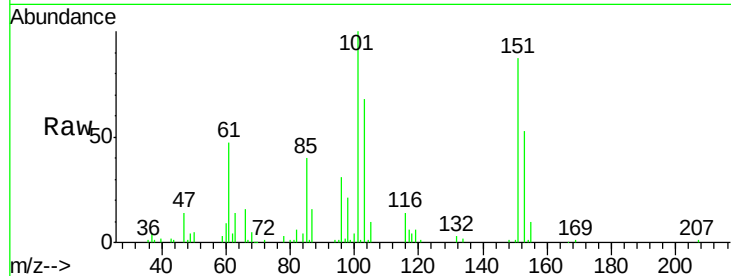
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	152617
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.2	51.4
151	86.3	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 55.551 ug/l

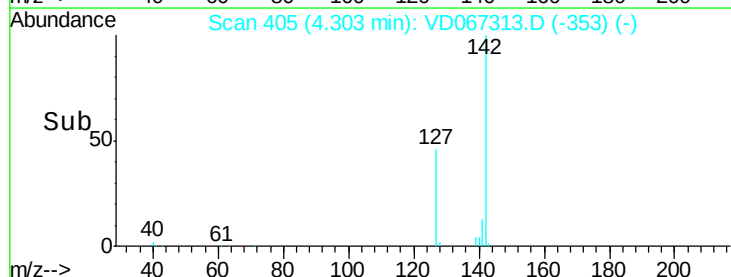
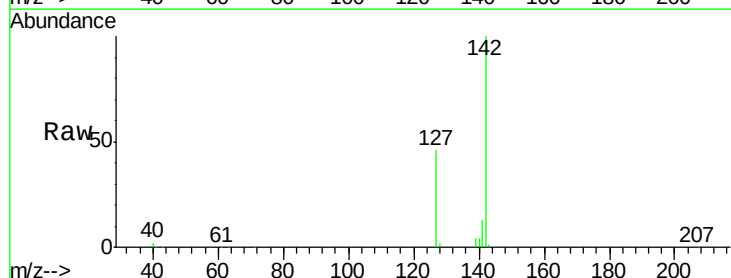
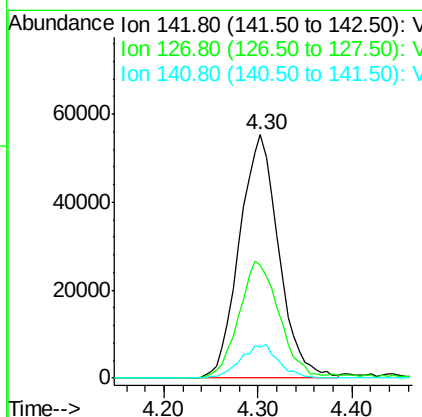
RT: 4.30 min Scan# 405

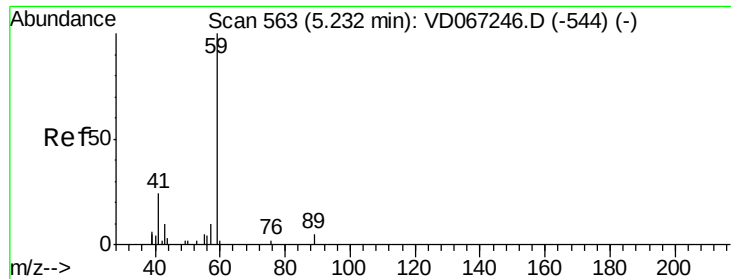
Delta R.T. 0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Tgt Ion:	142	Resp:	160175
Ion Ratio	Lower	Upper	
142	100		
127	49.2	38.4	57.6
141	13.4	11.6	17.4





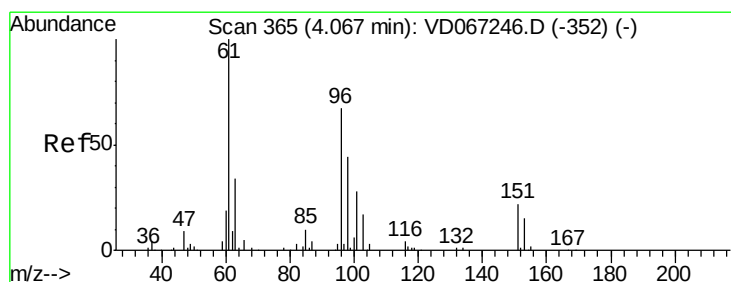
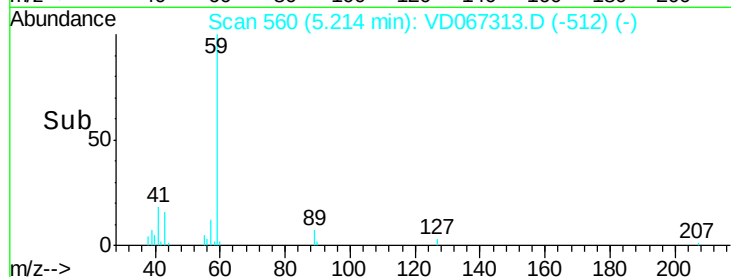
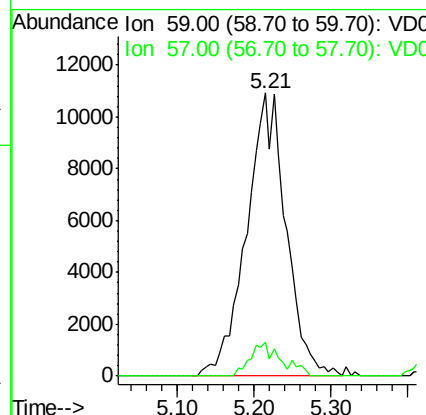
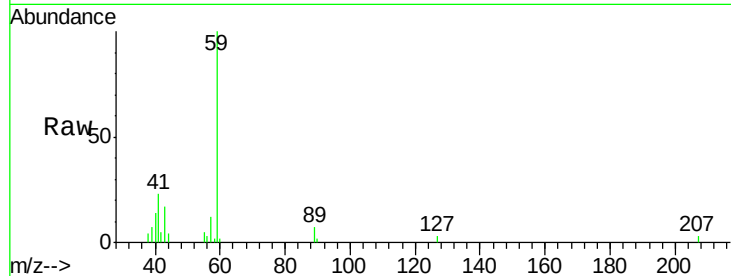
#11
Tert butyl alcohol
Concen: 216.321 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 39206
Ion Ratio Lower Upper
59 100
57 7.8 5.1 7.7#

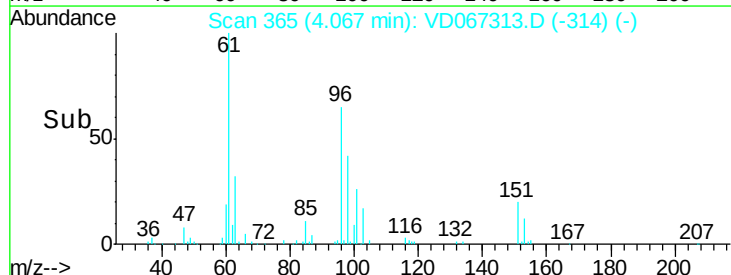
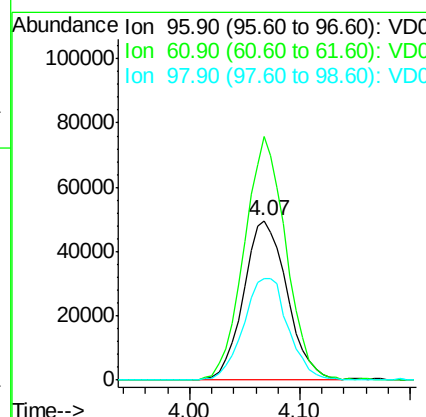
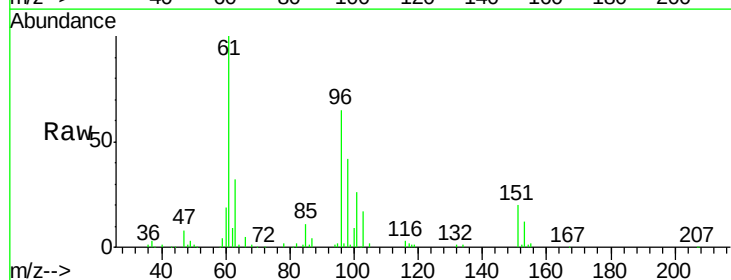
Manual Integrations
APPROVED

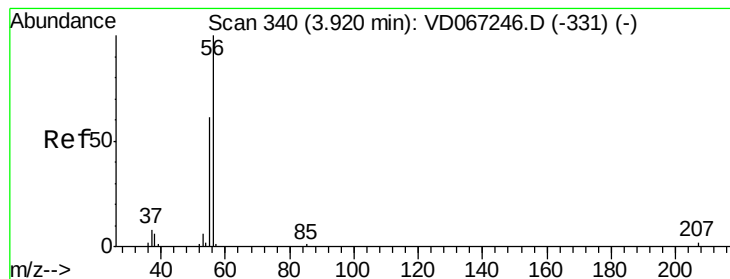
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.034 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion: 96 Resp: 136926
Ion Ratio Lower Upper
96 100
61 152.9 118.6 177.8
98 64.0 51.8 77.6





#13

Acrolein

Concen: 280.116 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 57328

Ion Ratio Lower Upper

56 100

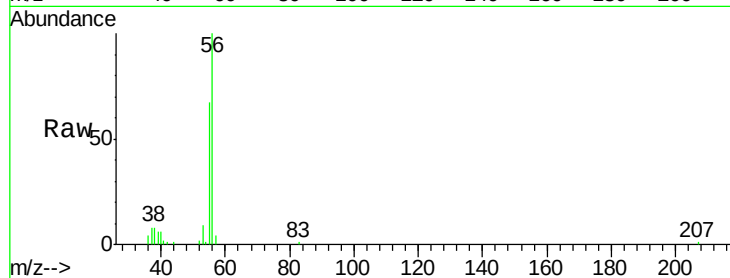
55 67.8 56.0 84.0

Manual Integrations

APPROVED

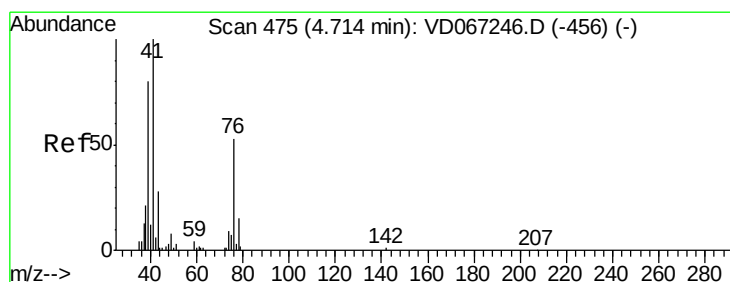
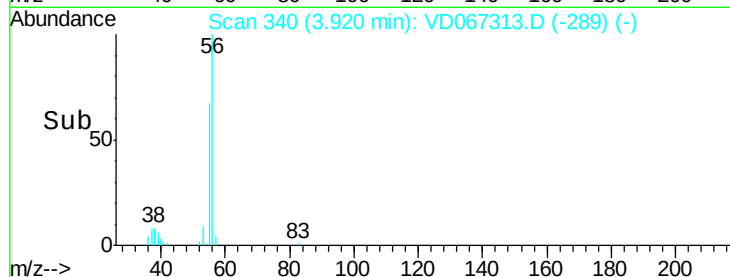
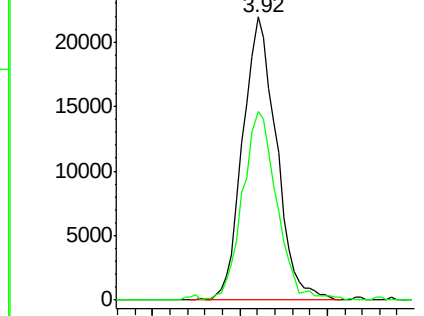
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.818 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

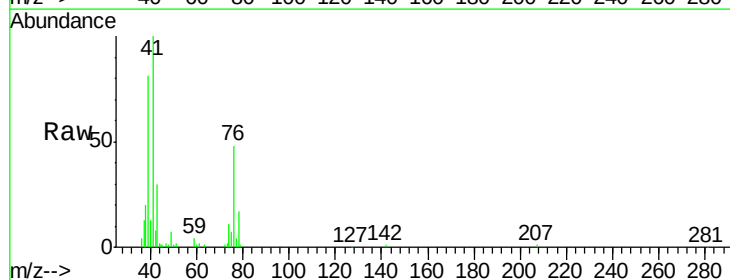
Tgt Ion: 41 Resp: 159312

Ion Ratio Lower Upper

41 100

39 78.9 63.8 95.6

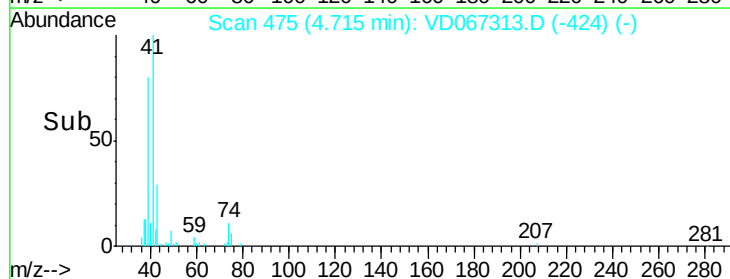
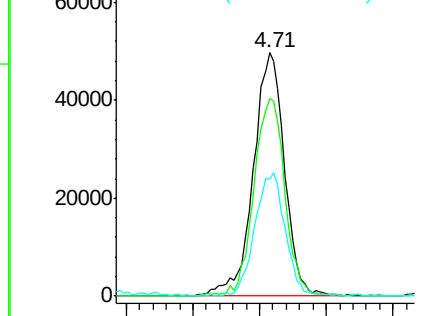
76 49.3 40.4 60.6

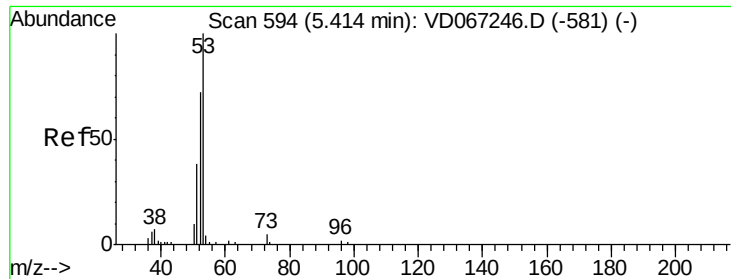


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 251.376 ug/l

RT: 5.41 min Scan# 594

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

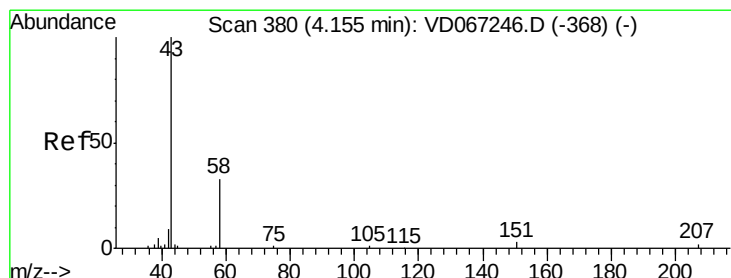
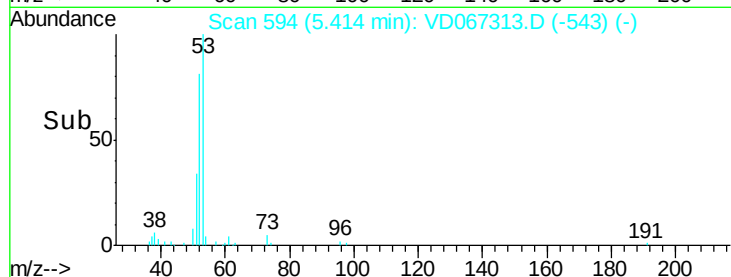
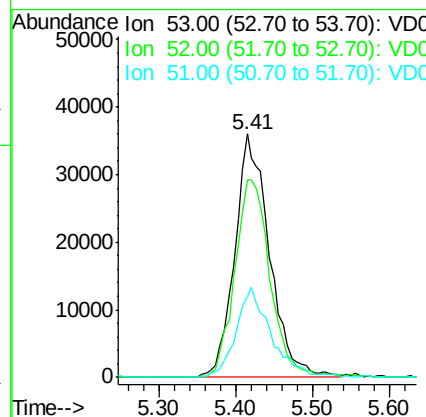
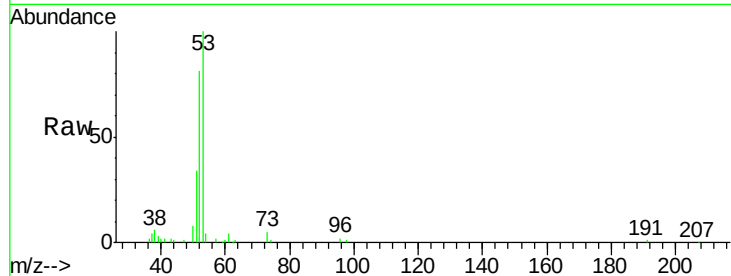
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	112919
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.6	98.4
51	37.4	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 274.720 ug/l

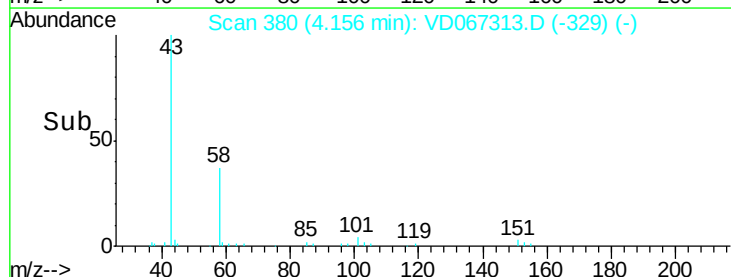
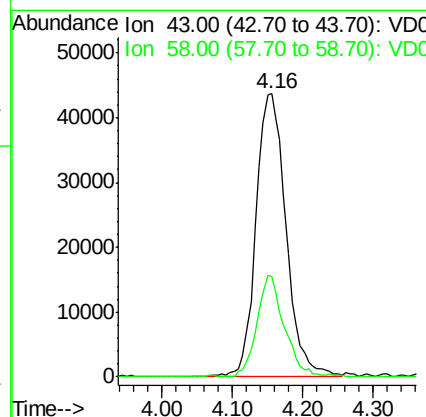
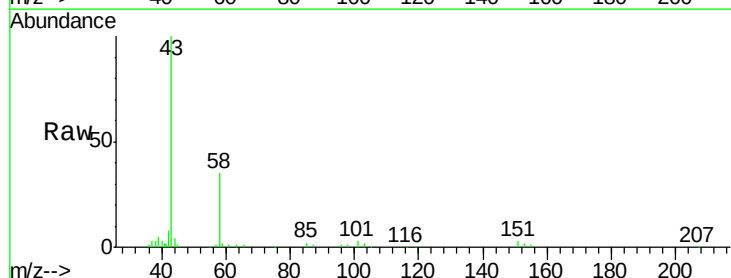
RT: 4.16 min Scan# 380

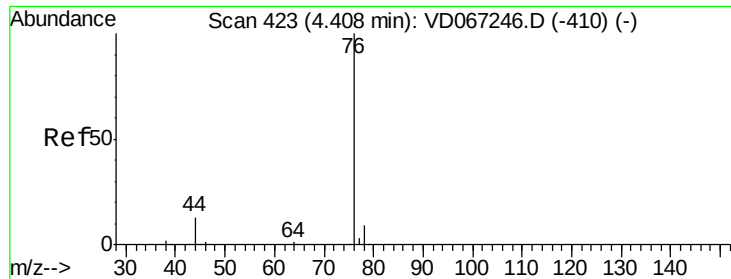
Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Tgt Ion:	43	Resp:	130419
Ion	Ratio	Lower	Upper
43	100		
58	35.3	26.1	39.1





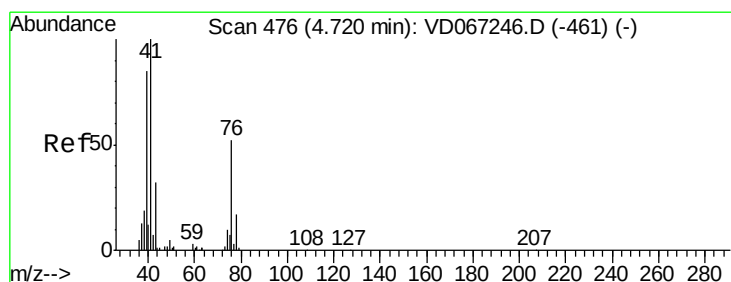
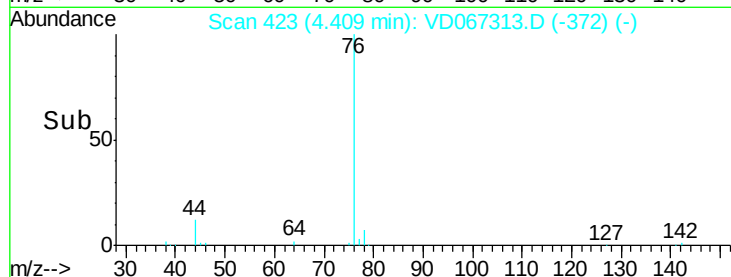
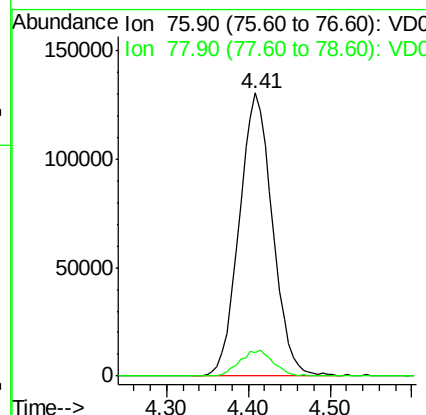
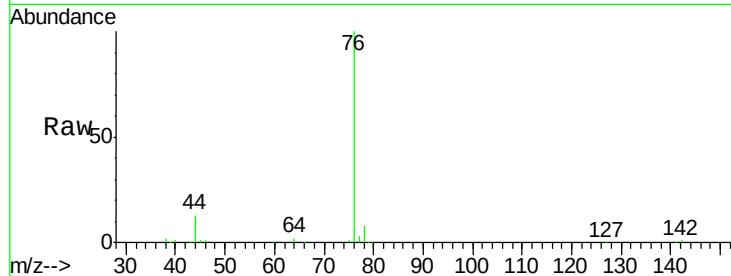
#17
Carbon Disulfide
Concen: 46.343 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.4	11.0

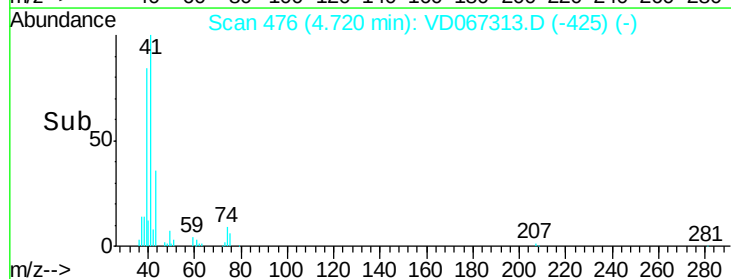
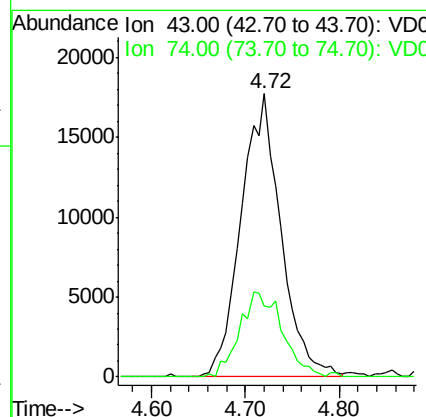
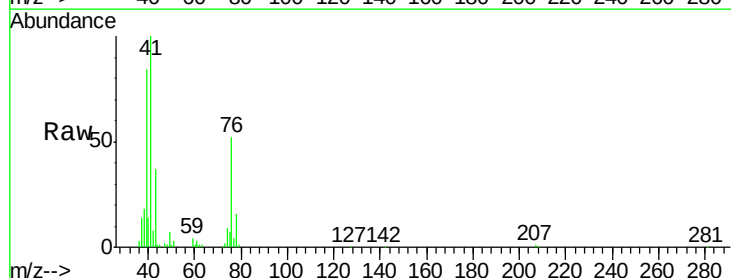
Manual Integrations
APPROVED

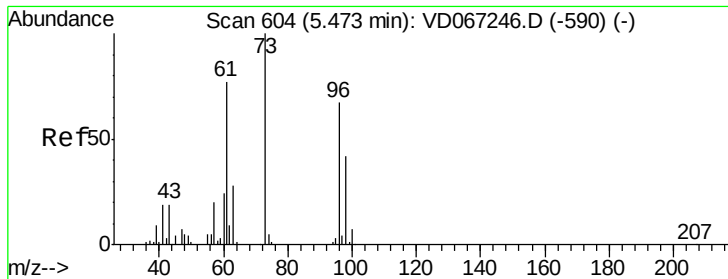
MMDadoda
10/21/2020 2:51:53 PM



#18
Methyl Acetate
Concen: 48.075 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.2	26.6	39.8





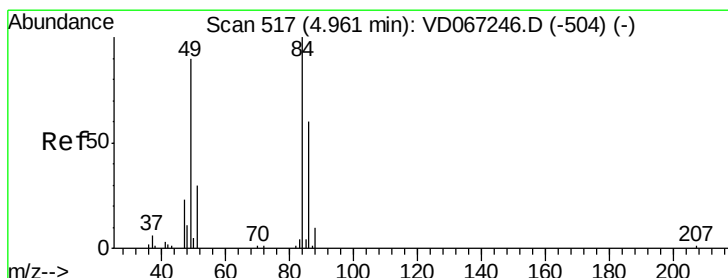
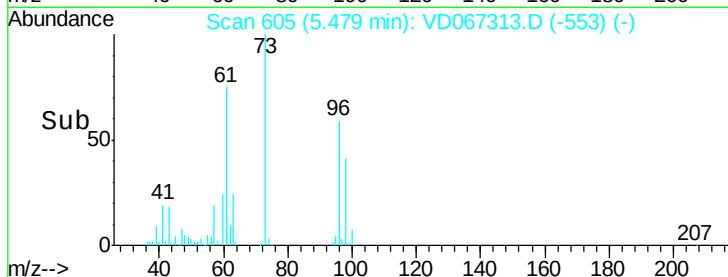
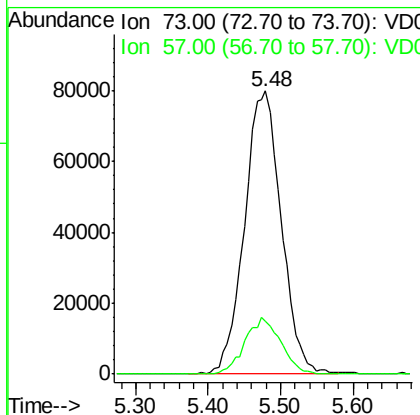
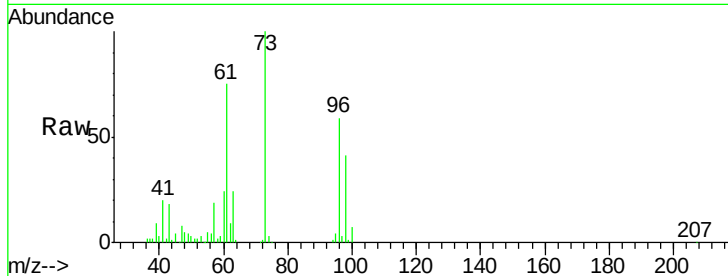
#19
Methyl tert-butyl Ether
Concen: 50.620 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 281072
Ion Ratio Lower Upper
73 100
57 18.8 15.7 23.5

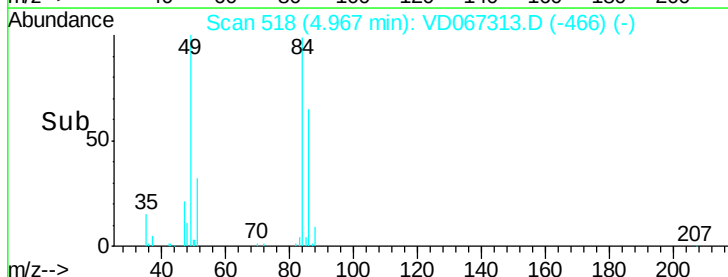
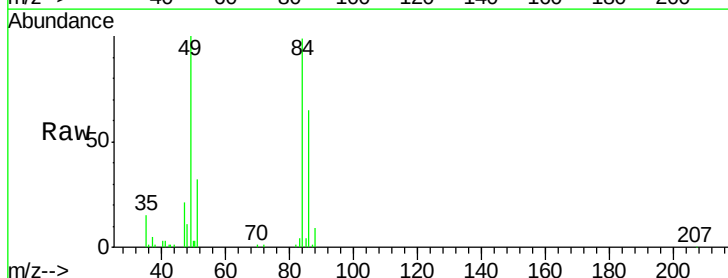
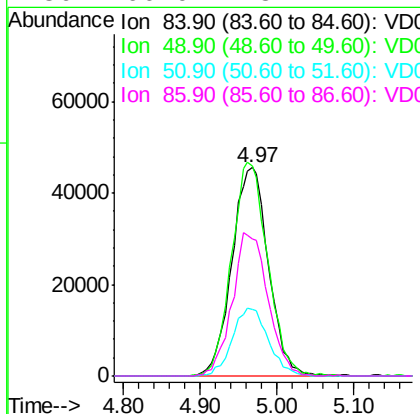
Manual Integrations
APPROVED

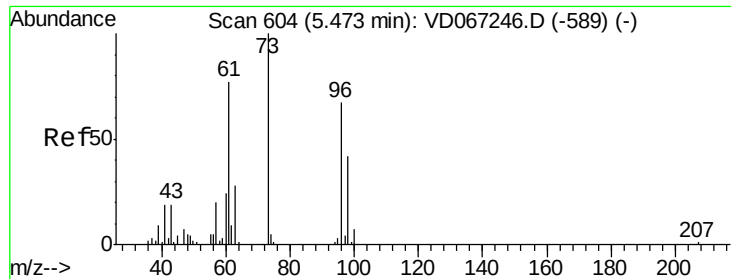
MMDadoda
10/21/2020 2:51:53 PM



#20
Methylene Chloride
Concen: 49.656 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion: 84 Resp: 151093
Ion Ratio Lower Upper
84 100
49 101.0 72.2 108.2
51 31.9 23.8 35.8
86 66.0 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 49.908 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

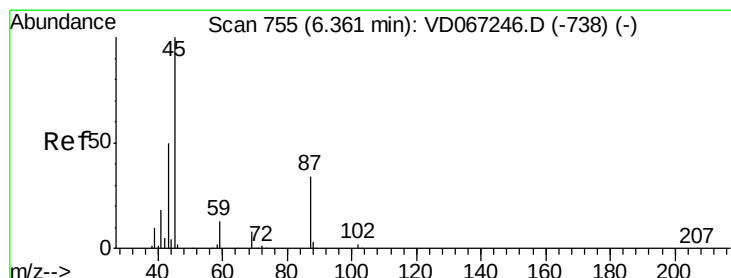
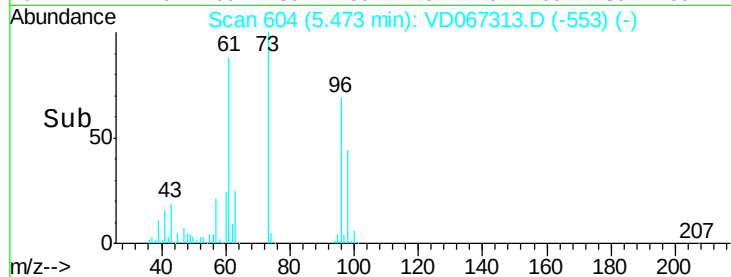
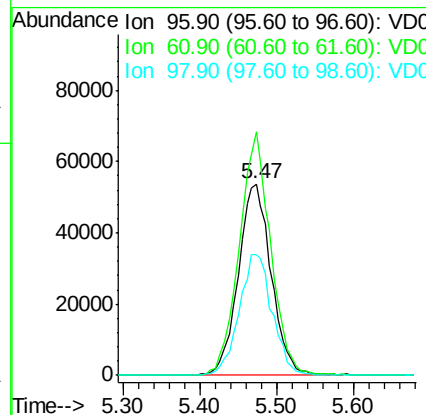
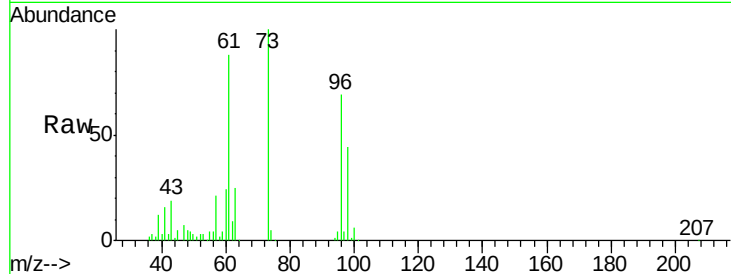
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	160380
Ion	Ratio	Lower	Upper
96	100		
61	127.1	92.0	138.0
98	63.0	49.8	74.8

Manual Integrations
APPROVED

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10/21/2020 2:51:53 PM



#22

Diisopropyl ether

Concen: 51.231 ug/l

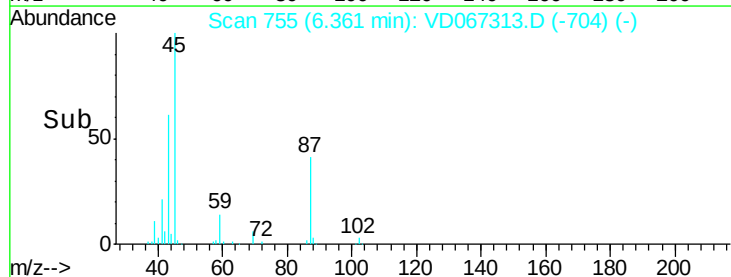
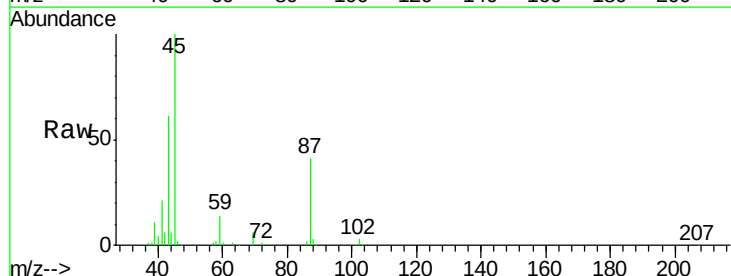
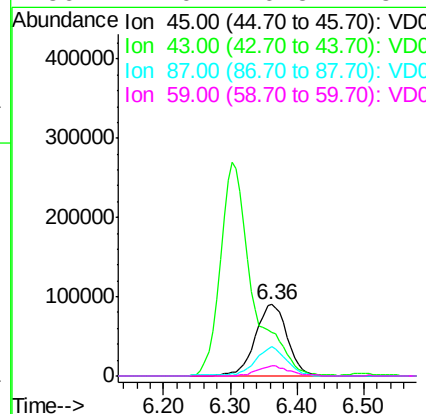
RT: 6.36 min Scan# 755

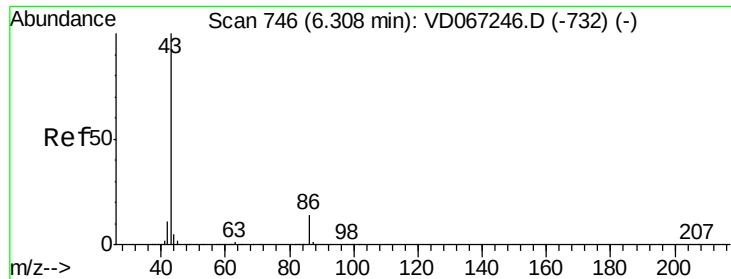
Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Tgt Ion:	45	Resp:	299277
Ion	Ratio	Lower	Upper
45	100		
43	59.7	48.0	72.0
87	40.2	28.5	42.7
59	14.0	10.5	15.7





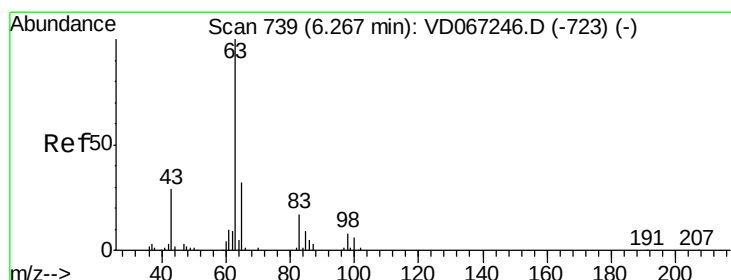
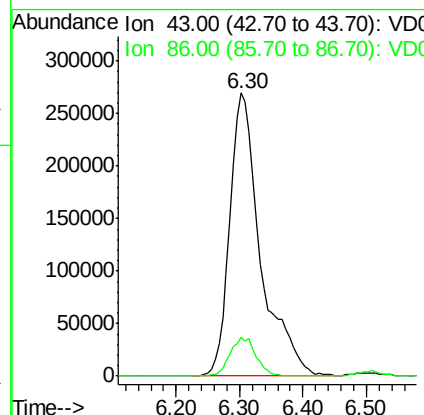
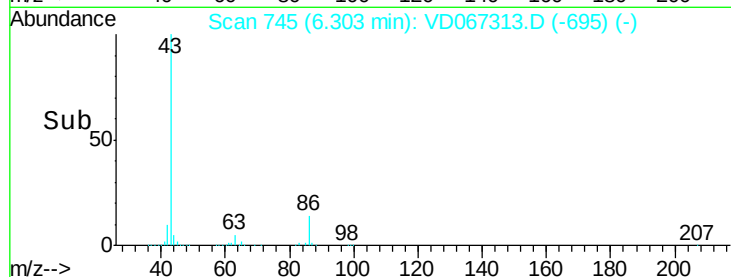
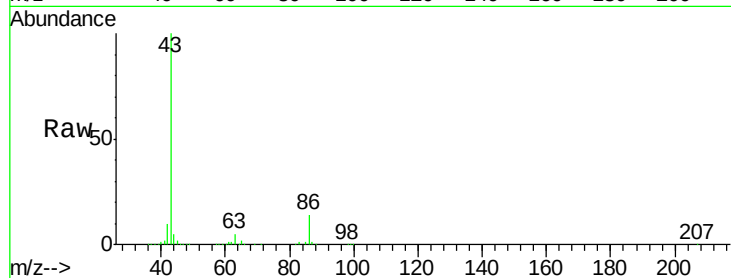
#23
 Vinyl Acetate
 Concen: 272.123 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
86	13.7	11.0	16.6

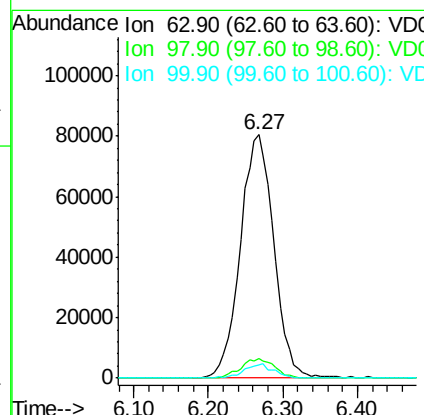
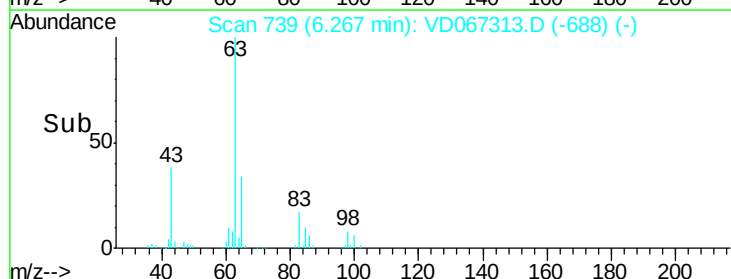
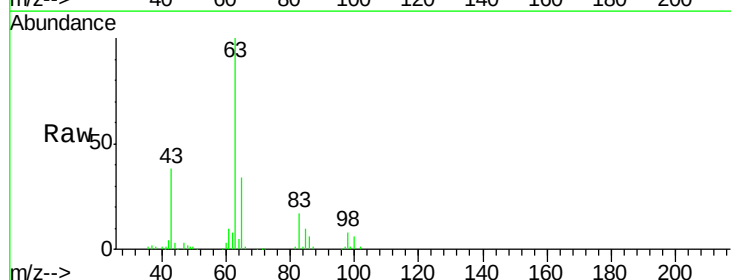
Manual Integrations
 APPROVED

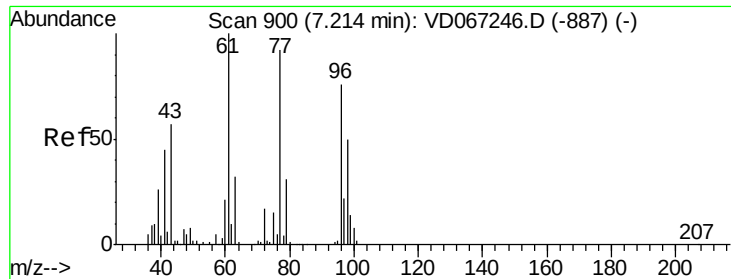
MMDadoda
 10/21/2020 2:51:53 PM



#24
 1,1-Dichloroethane
 Concen: 50.147 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.3	4.0	12.2
100	5.6	2.8	8.4





#25

2-Butanone

Concen: 249.240 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 134876

Ion Ratio Lower Upper

43 100

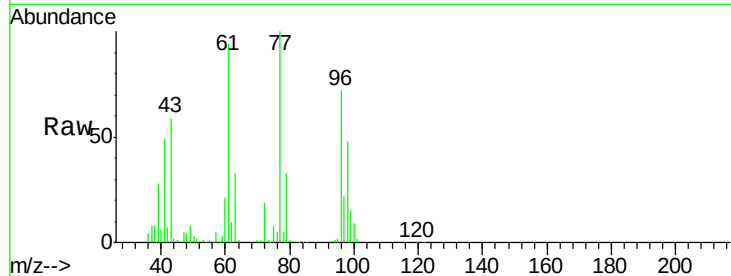
72 31.9 23.7 35.5

Manual Integrations

APPROVED

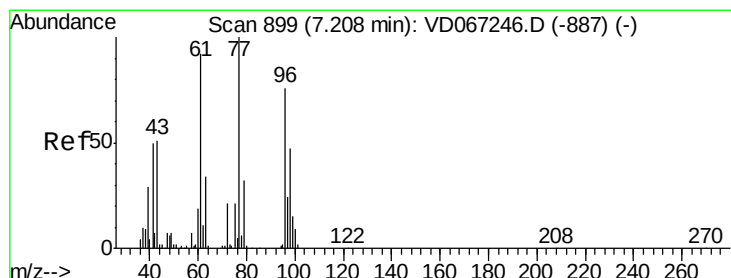
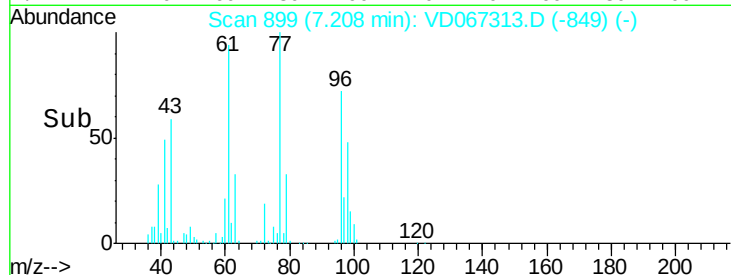
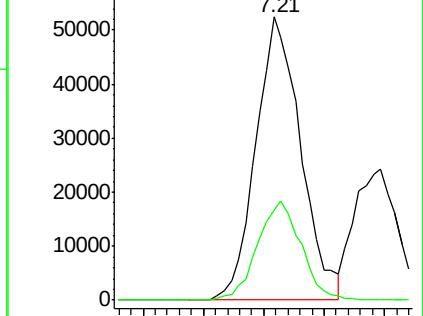
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.266 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067313.D

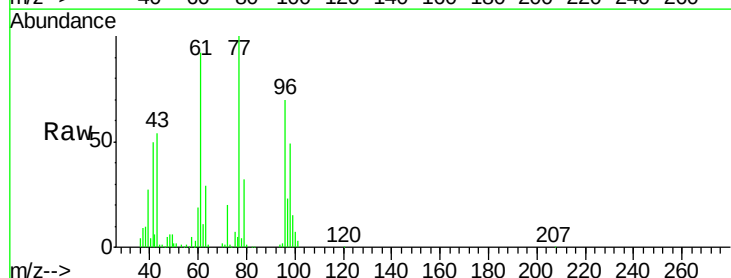
Acq: 20 Oct 2020 10:04

Tgt Ion: 77 Resp: 264239

Ion Ratio Lower Upper

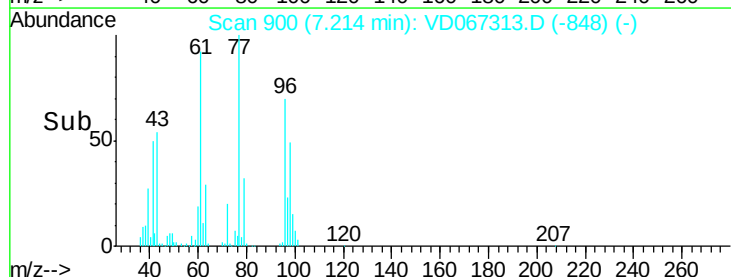
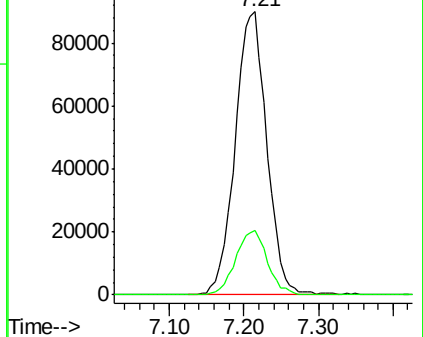
77 100

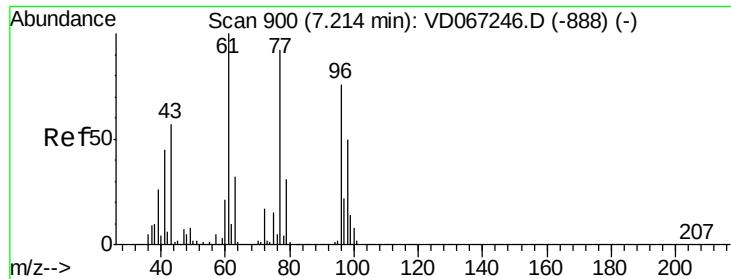
97 22.8 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

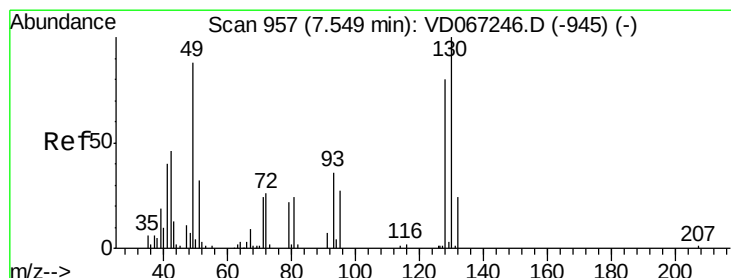
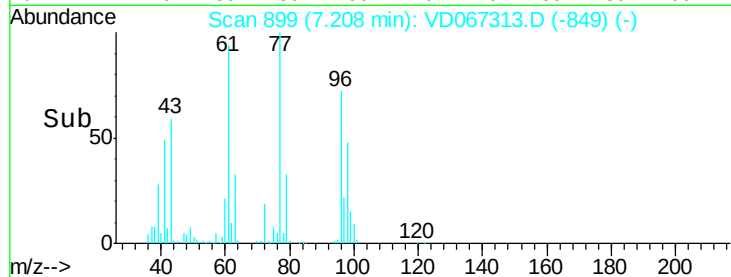
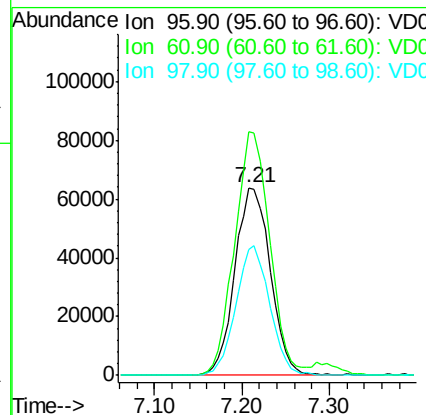
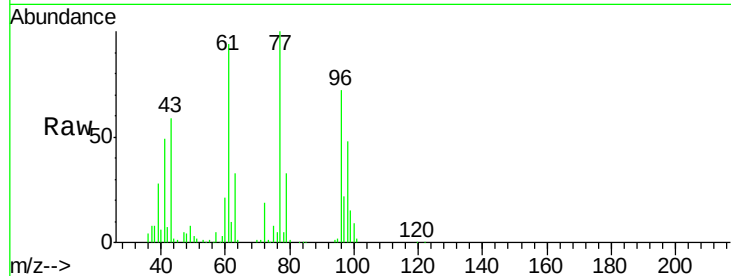
cis-1,2-Dichloroethene
 Concen: 50.037 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	176224		
61	127.7		0.0	255.4
98	65.6		0.0	128.0

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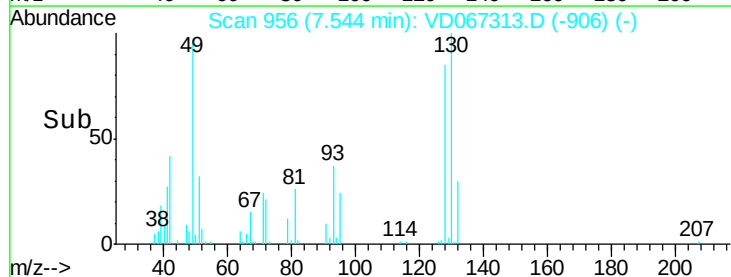
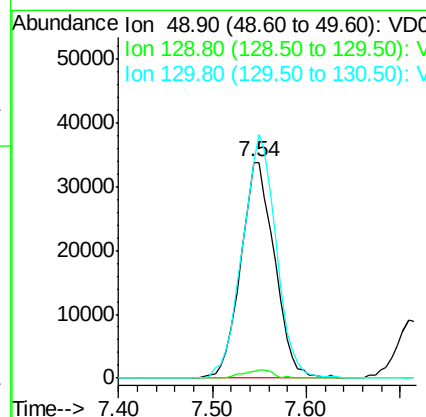
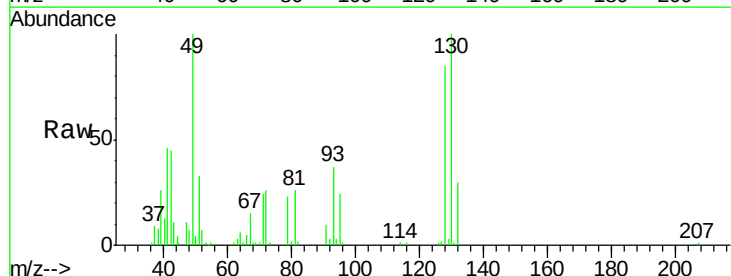
MMDadoda
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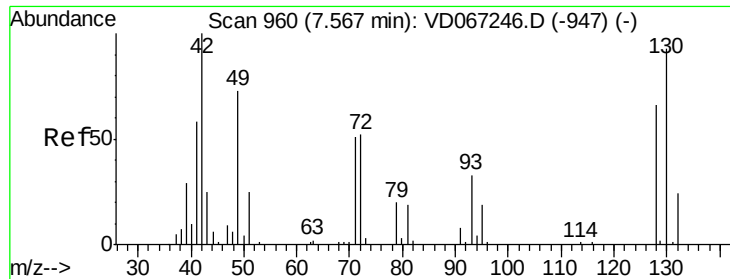


#28

Bromochloromethane
 Concen: 49.445 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84336		
129	3.3		0.0	1.6#
130	112.2		91.0	136.6





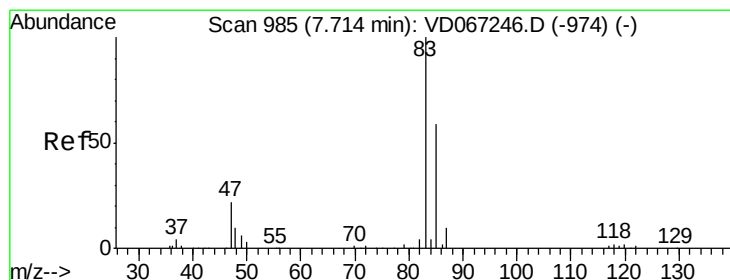
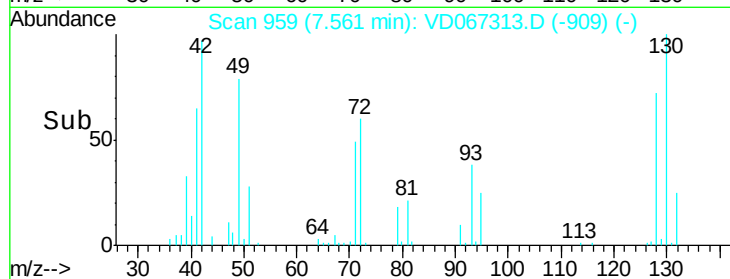
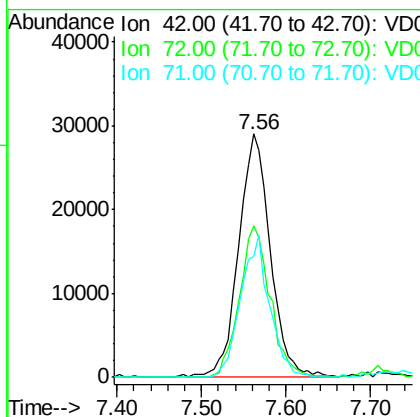
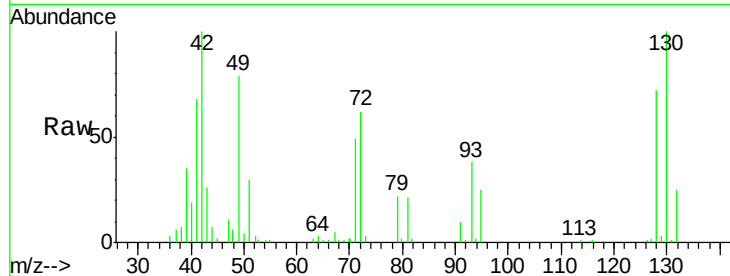
#29
Tetrahydrofuran
Concen: 251.355 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.4	43.2	64.8
71	53.0	39.4	59.0

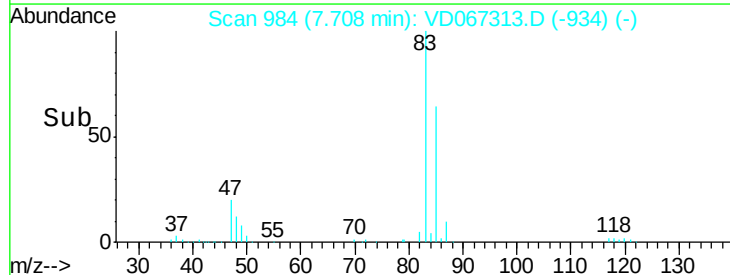
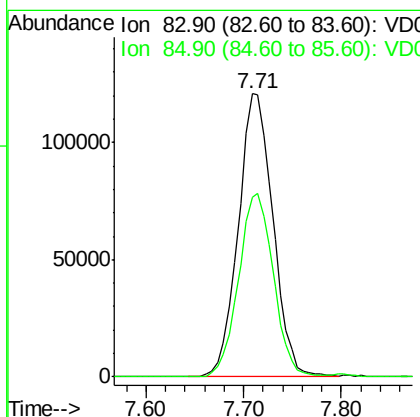
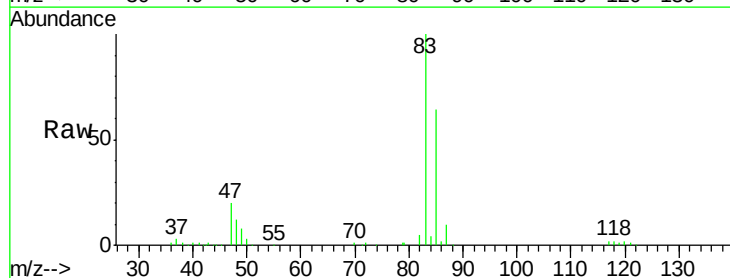
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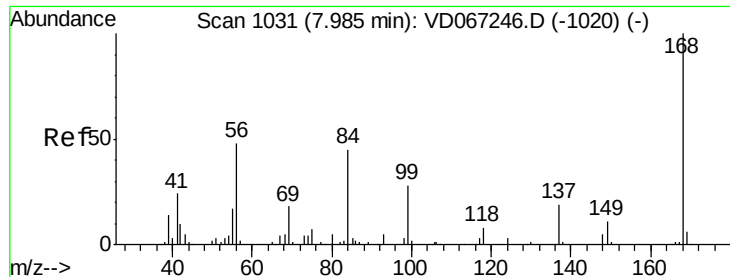
MMDadoda
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#30
Chloroform
Concen: 50.045 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	47.3	70.9





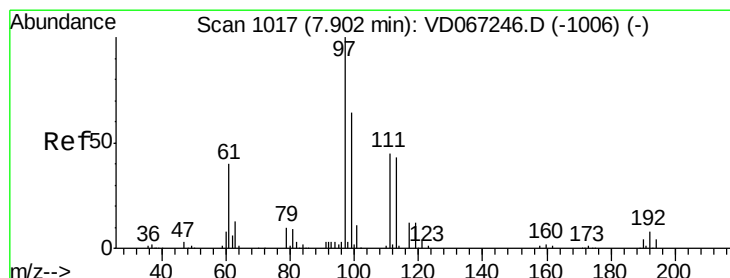
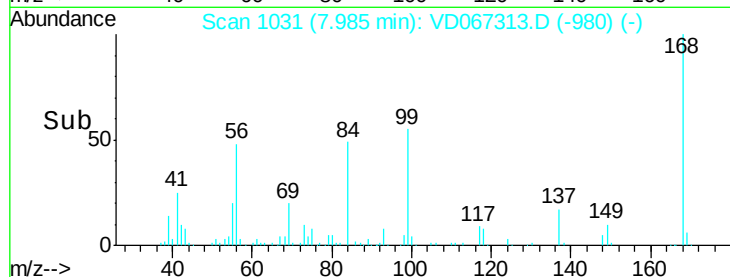
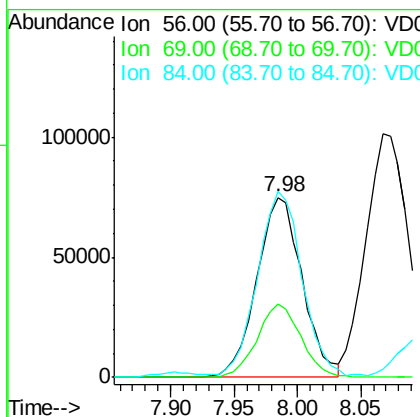
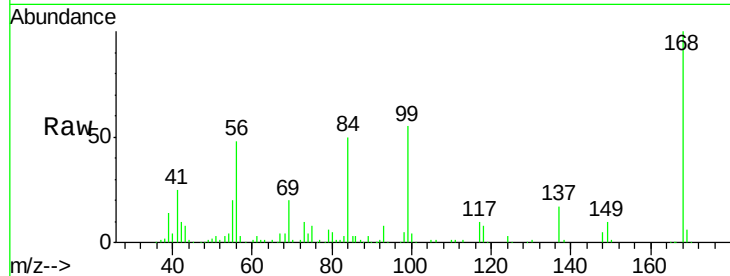
#31
Cyclohexane
Concen: 47.820 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.9	29.8	44.6
84	101.2	76.6	114.8

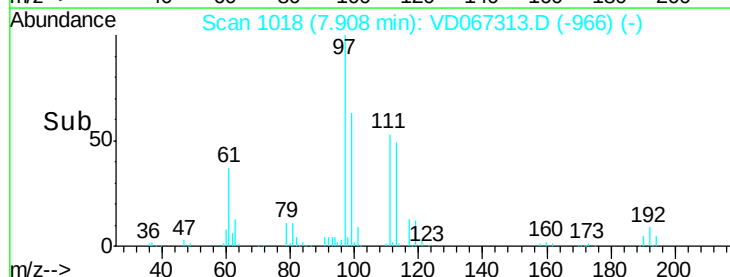
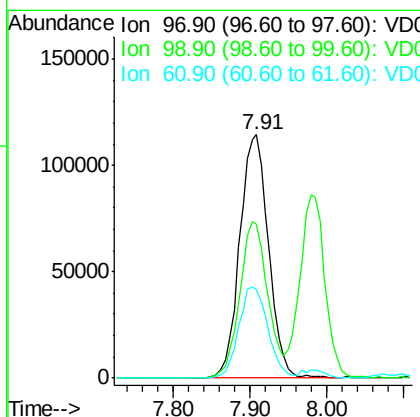
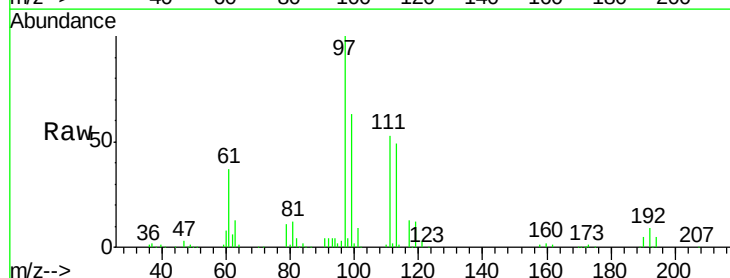
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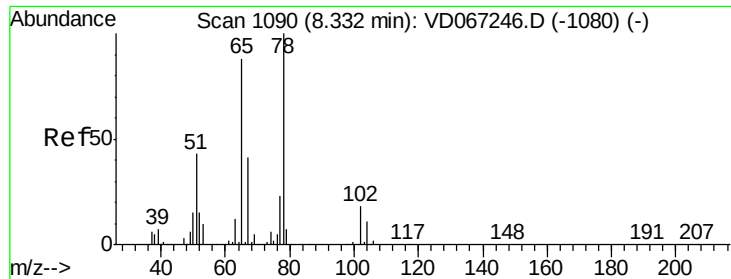
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#32
1,1,1-Trichloroethane
Concen: 51.103 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	50.2	75.4
61	38.2	30.5	45.7





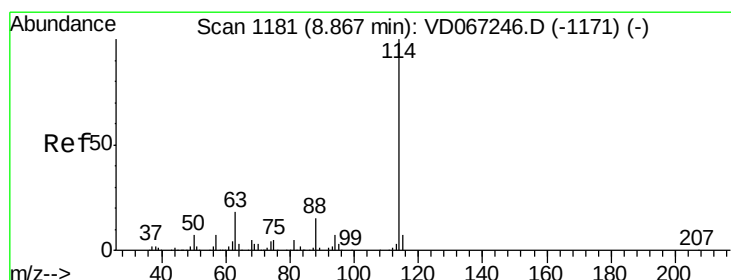
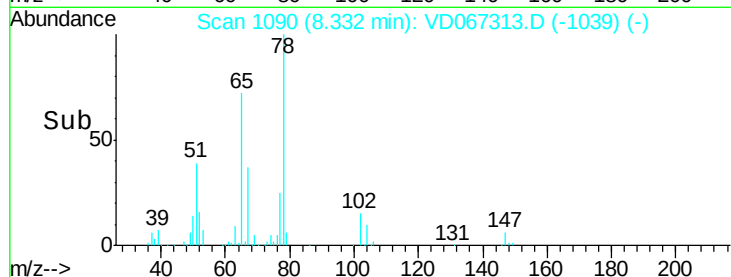
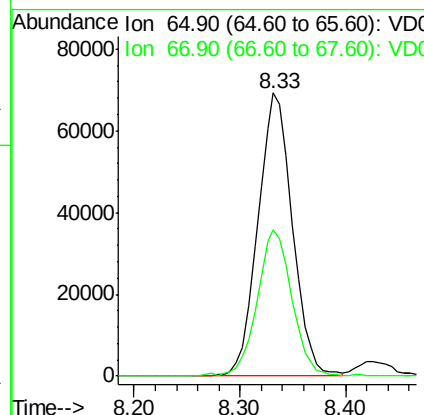
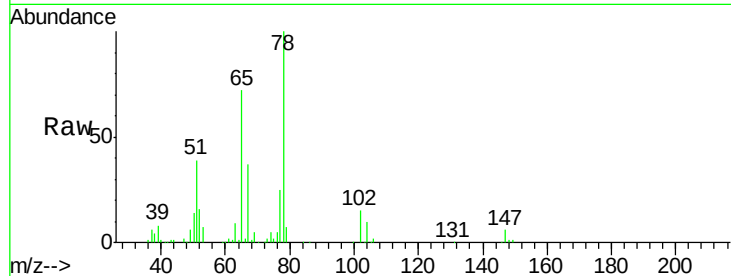
#33
 1,2-Dichloroethane-d4
 Concen: 46.251 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	156781		
67	52.1	0.0	103.8	

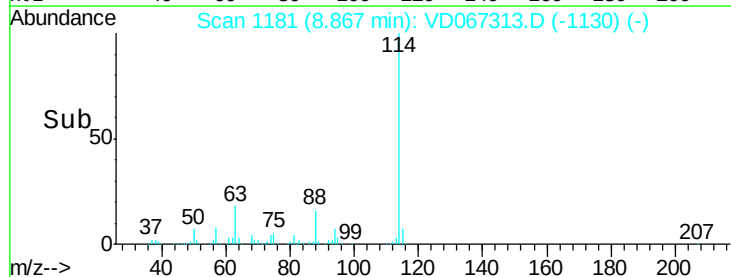
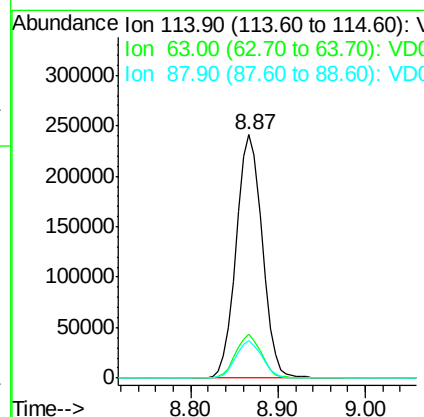
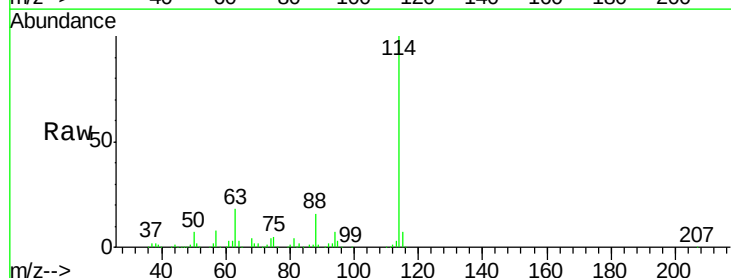
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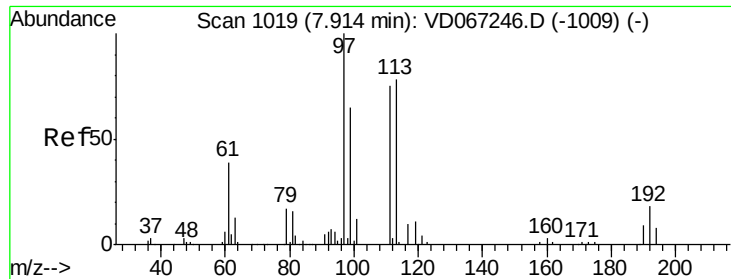
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	488096		
63	18.3	0.0	35.0	
88	15.5	0.0	30.6	





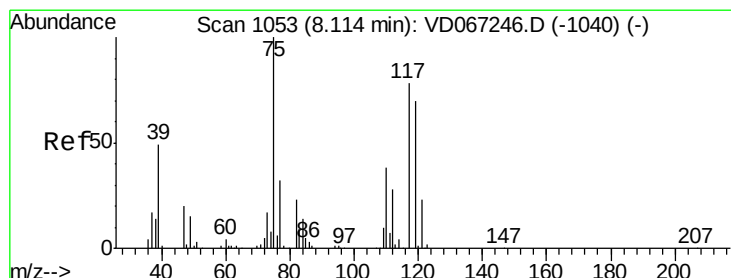
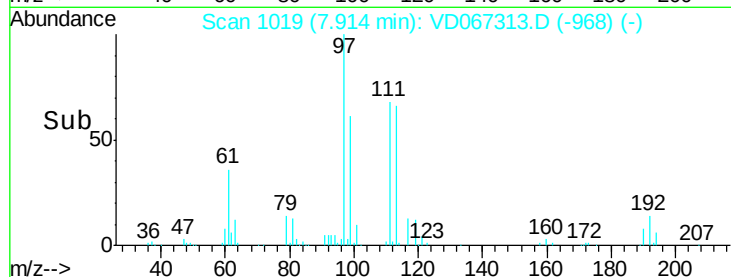
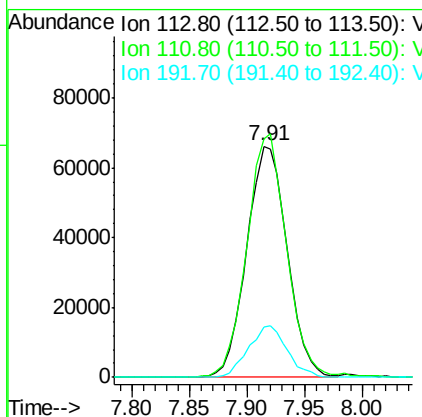
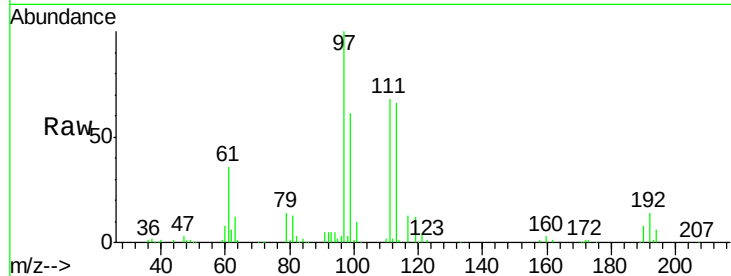
#35
 Dibromofluoromethane
 Concen: 49.818 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	161822		
111	103.9	81.6	122.4	
192	21.3	17.0	25.4	

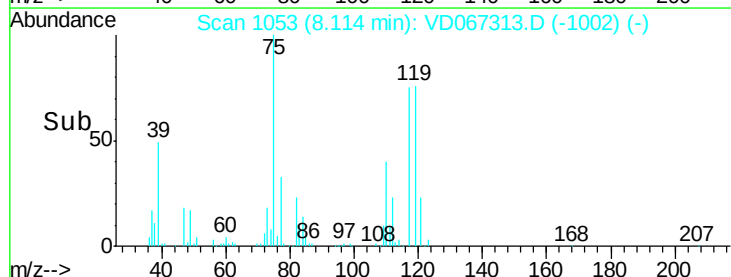
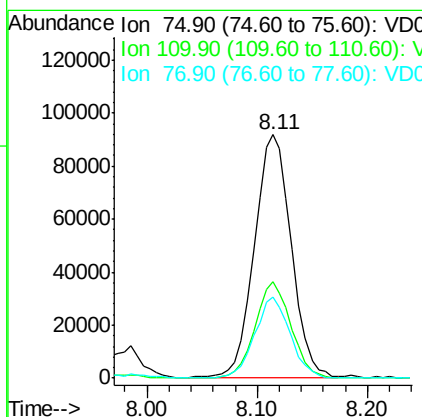
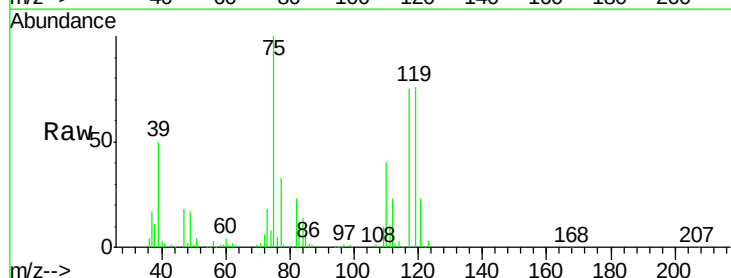
Manual Integrations
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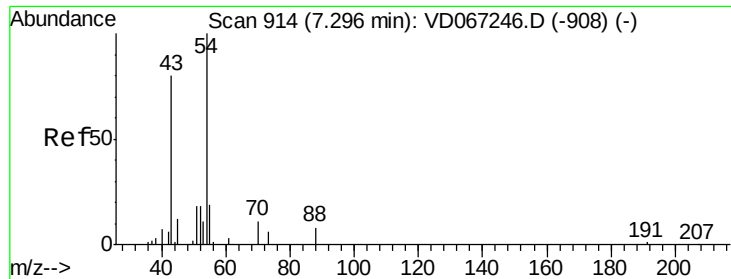
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#36
 1,1-Dichloropropene
 Concen: 52.117 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	215606		
110	38.4	19.6	58.7	
77	32.1	24.6	37.0	





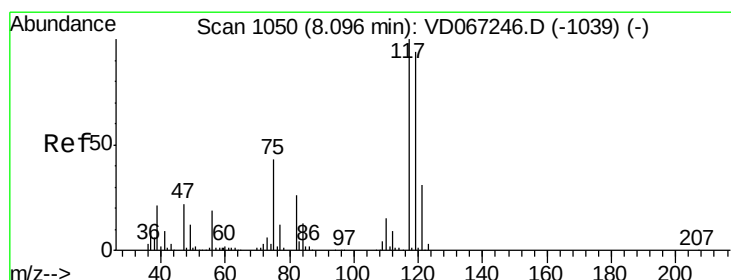
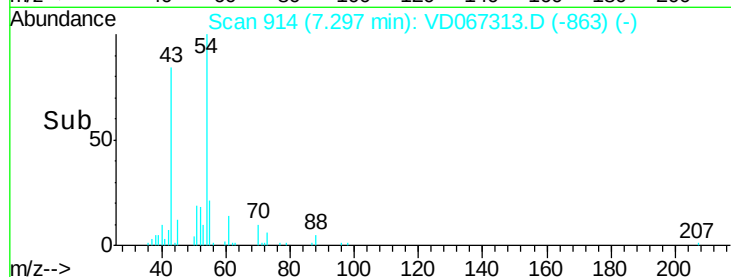
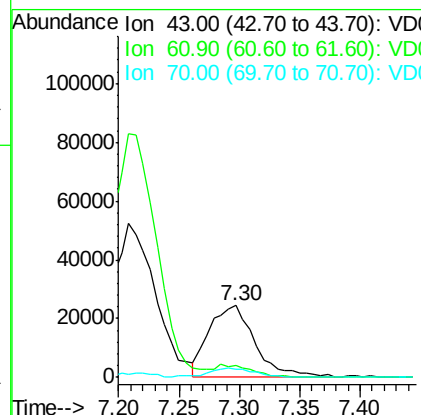
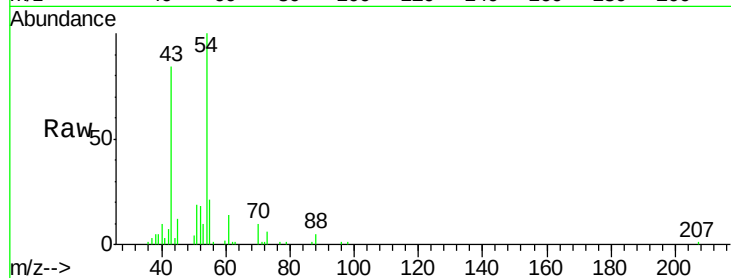
#37
Ethyl Acetate
Concen: 51.423 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	15.6	23.4#
70	13.7	10.4	15.6

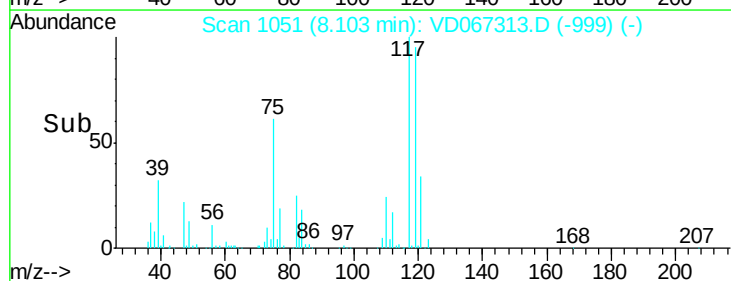
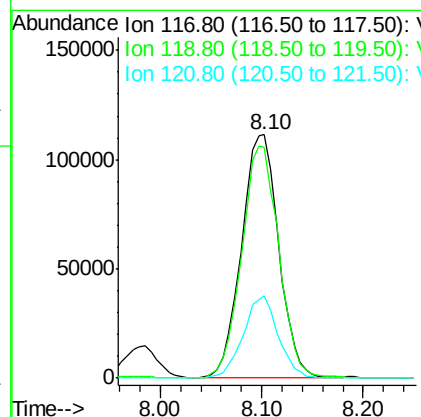
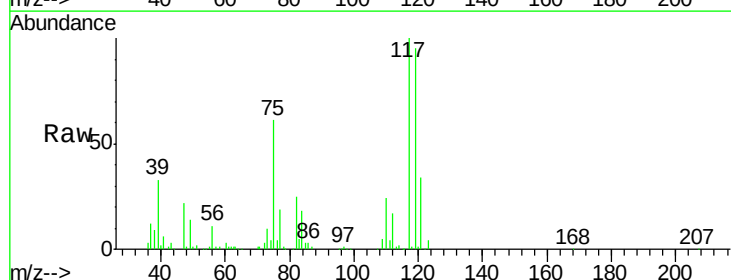
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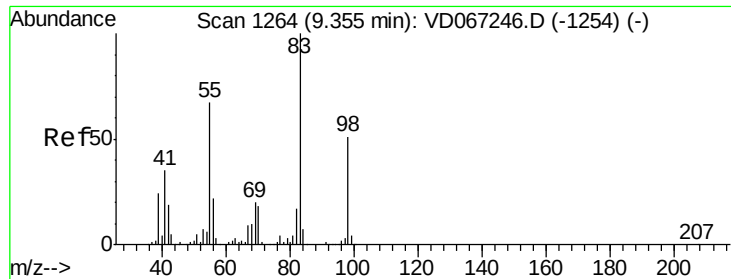
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.303 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.0	112.4
121	33.9	24.9	37.3





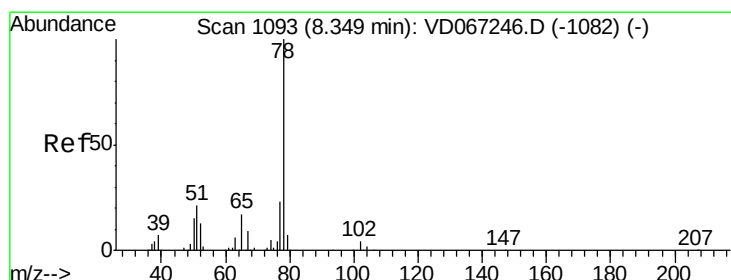
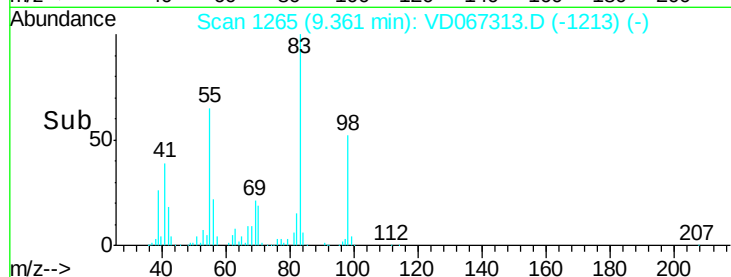
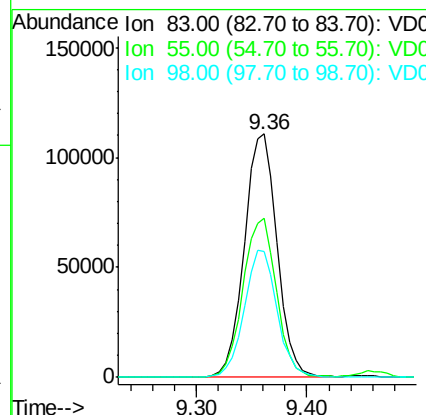
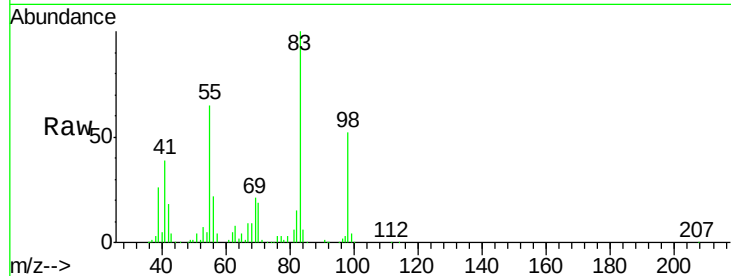
#39
Methylvlcyclohexane
Concen: 53.495 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	231357		
55	65.4	53.3	79.9	
98	51.7	41.0	61.4	

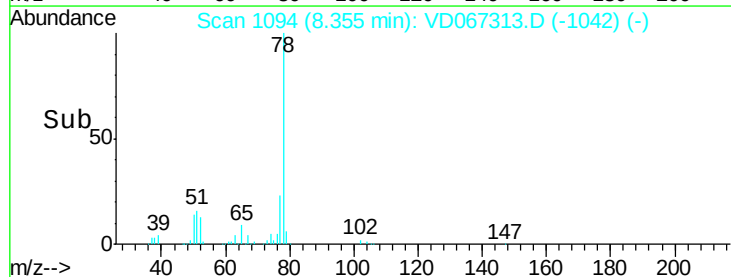
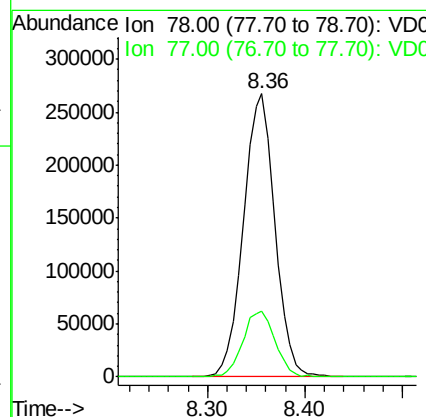
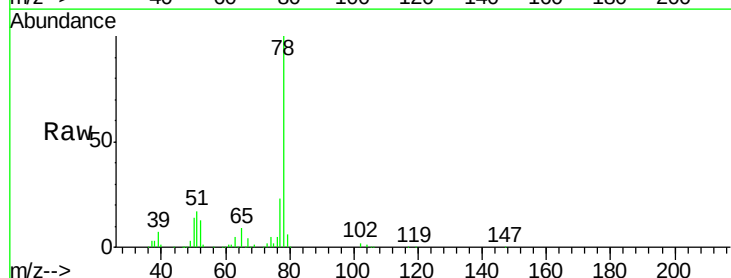
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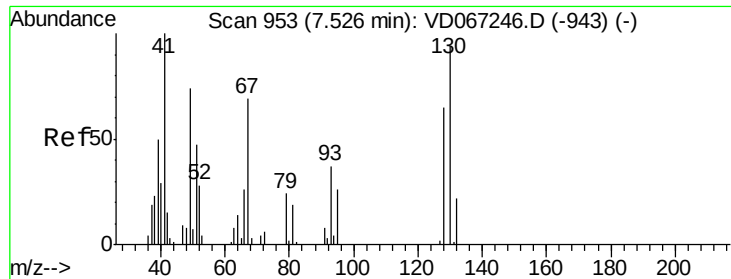
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#40
Benzene
Concen: 53.145 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	603152		
77	23.0	18.3	27.5	





#41

Methacrylonitrile

Concen: 57.546 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 37850
Ion Ratio Lower Upper

41 100

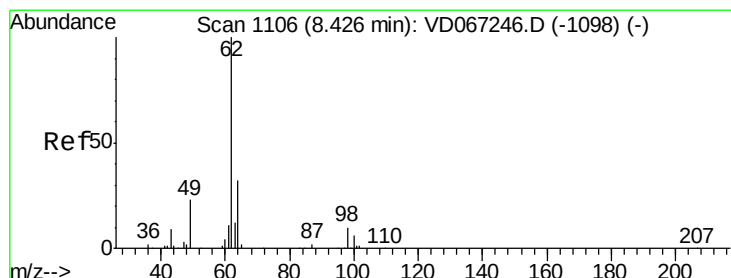
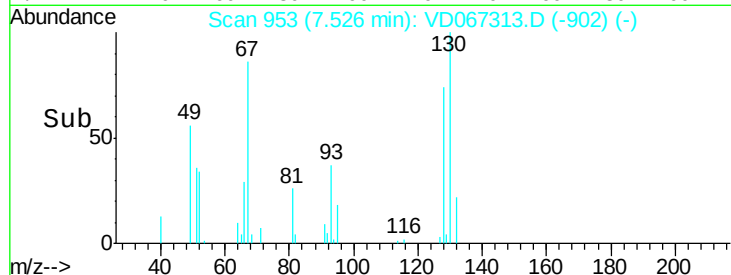
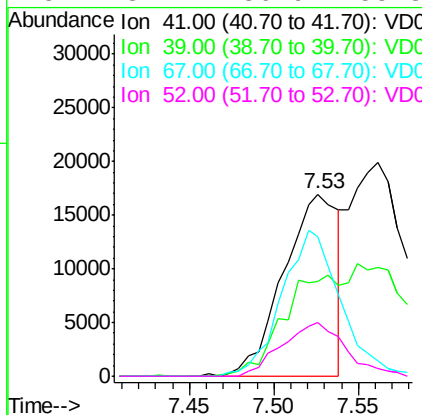
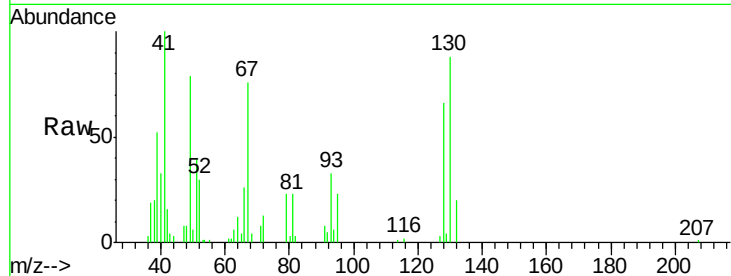
39 57.2 60.0 90.0#

67 86.9 88.9 133.3#

52 34.7 36.9 55.3#

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#42

1,2-Dichloroethane

Concen: 52.160 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

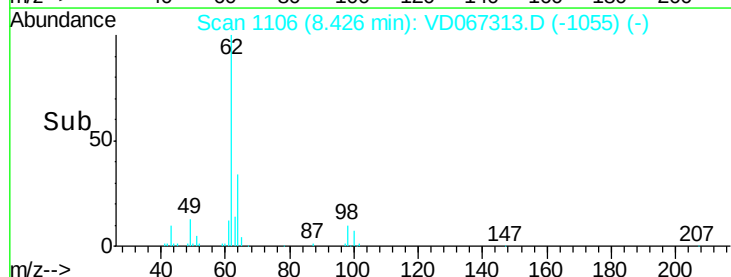
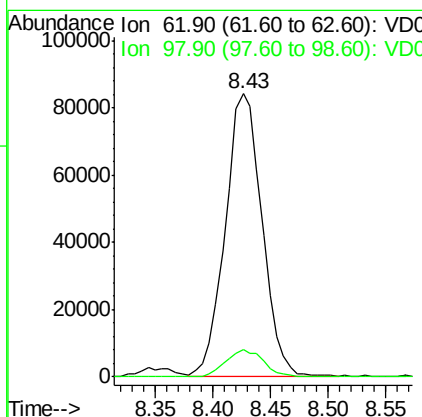
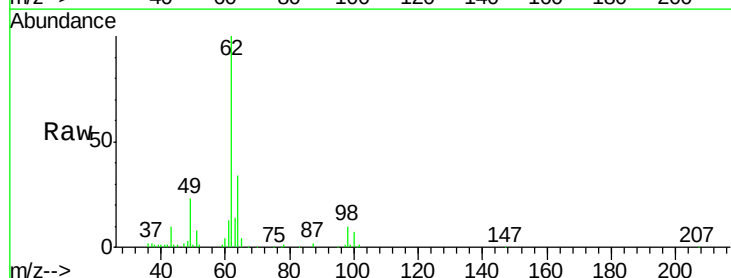
Lab File: VD067313.D

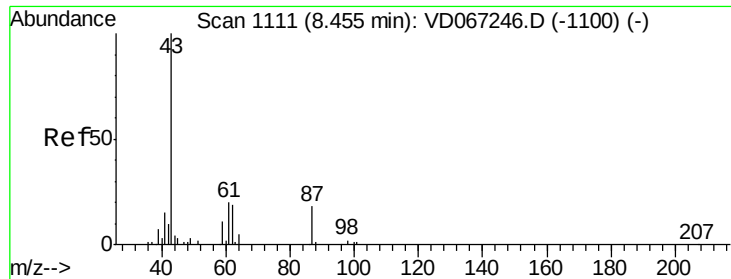
Acq: 20 Oct 2020 10:04

Tgt Ion: 62 Resp: 185258
Ion Ratio Lower Upper

62 100

98 9.8 0.0 19.4





#43

Isopropyl Acetate

Concen: 53.463 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

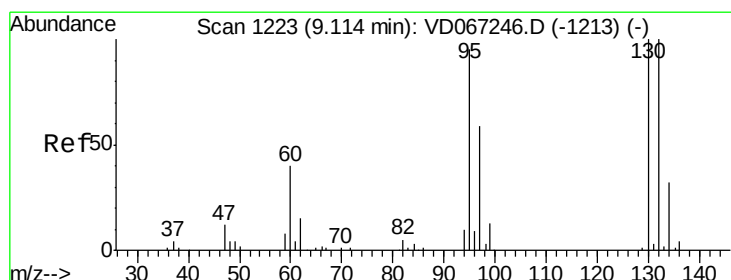
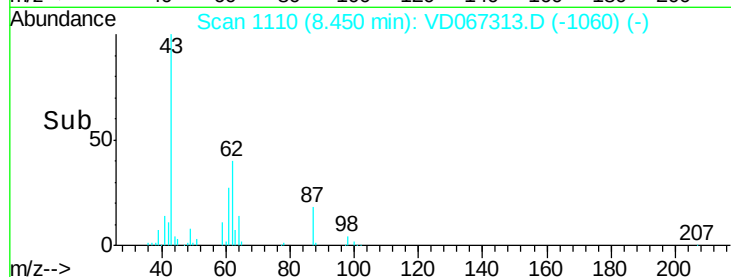
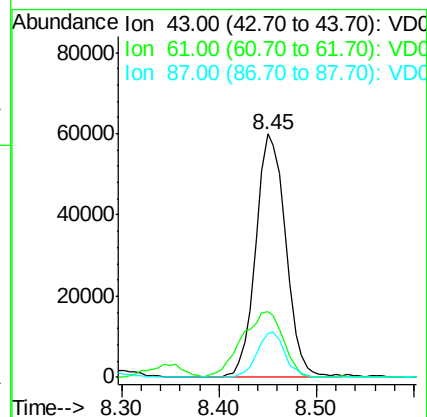
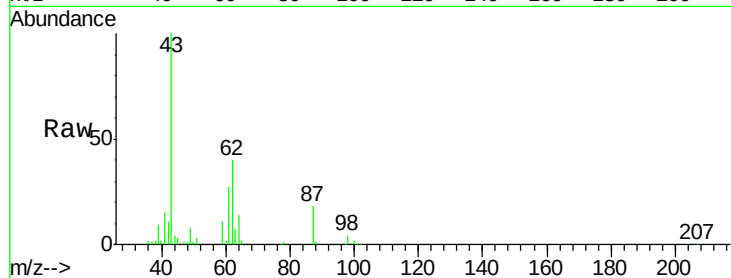
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	129121
Ion	Ratio	Lower	Upper
43	100		
61	37.0	29.5	44.3
87	17.4	14.2	21.4

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#44

Trichloroethene

Concen: 52.737 ug/l

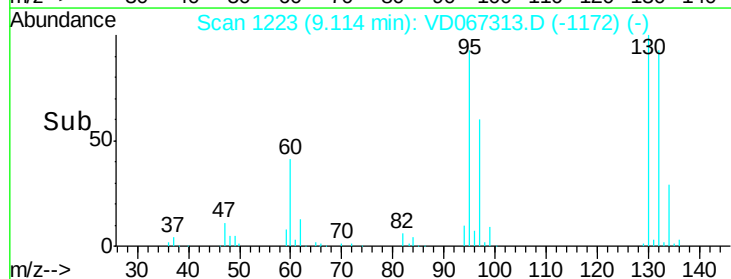
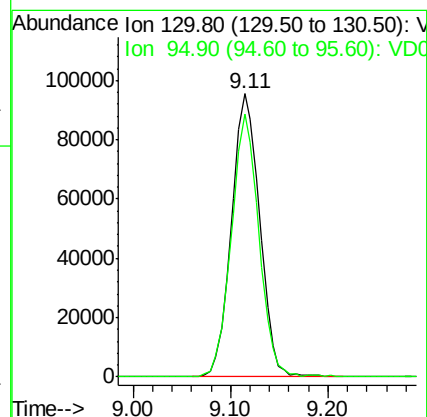
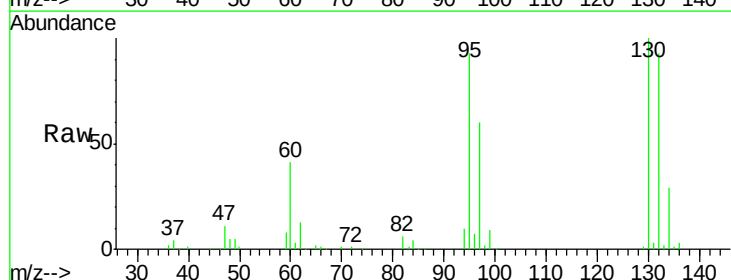
RT: 9.11 min Scan# 1223

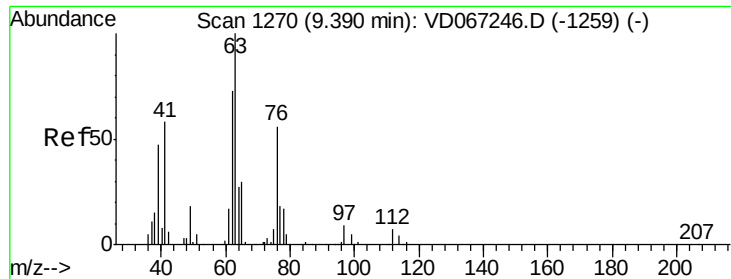
Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Tgt Ion:	130	Resp:	191634
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	190.6





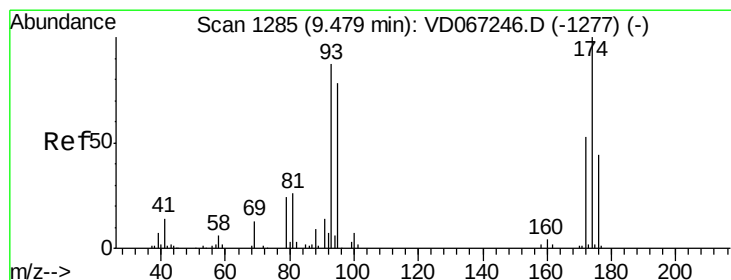
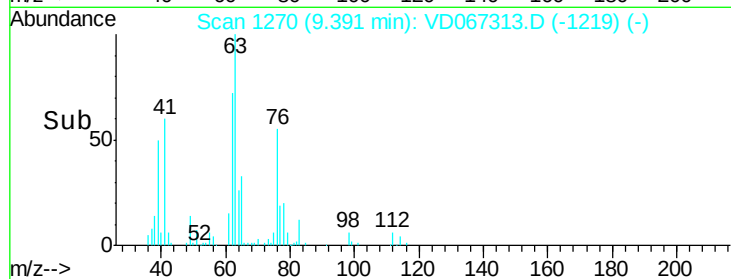
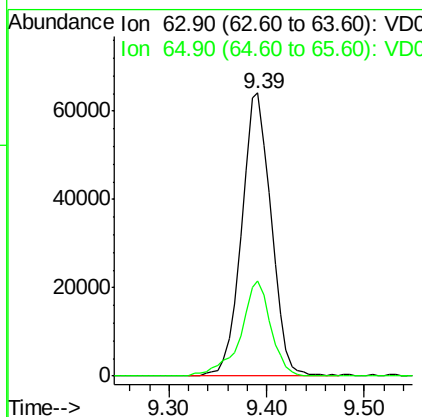
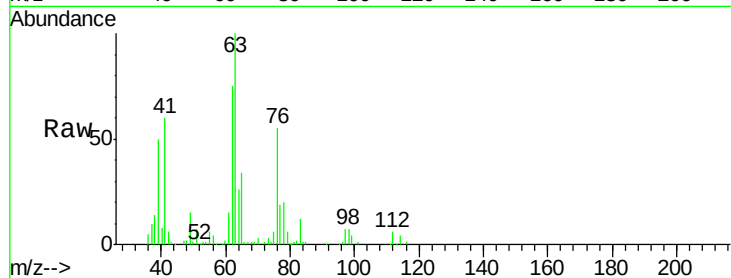
#45
 1,2-Dichloropropane
 Concen: 51.255 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 134814
 Ion Ratio Lower Upper
 63 100
 65 33.6 24.6 36.8

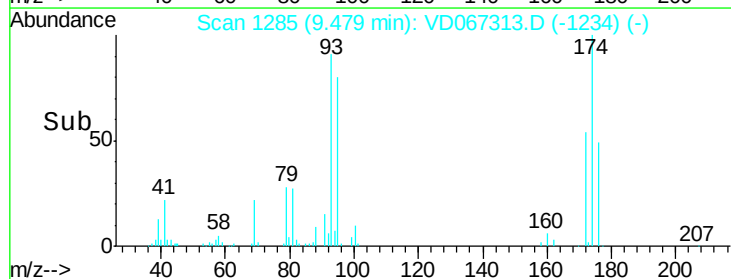
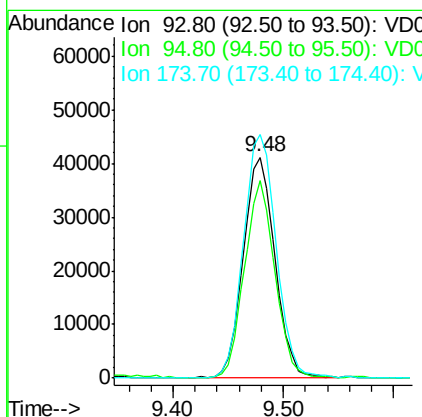
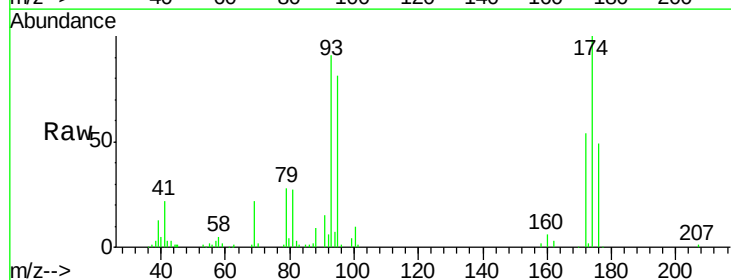
Manual Integrations
 APPROVED

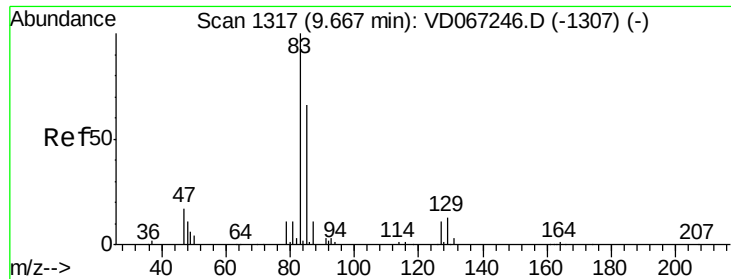
MMDadoda
 10/21/2020 2:51:53 PM



#46
 Dibromomethane
 Concen: 50.877 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion: 93 Resp: 83377
 Ion Ratio Lower Upper
 93 100
 95 86.2 68.0 102.0
 174 113.6 91.8 137.6





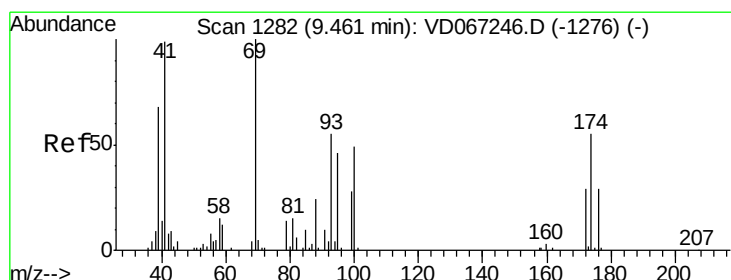
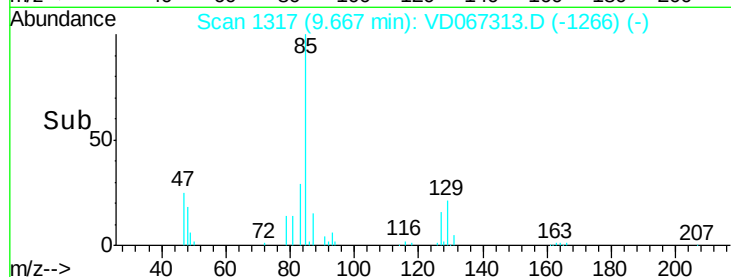
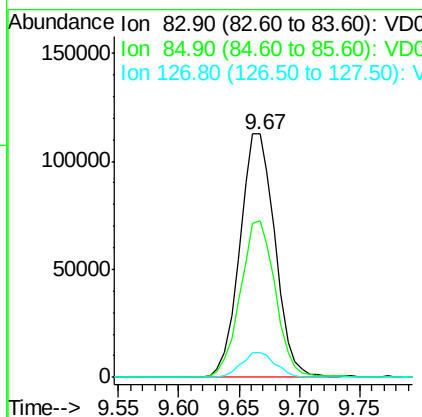
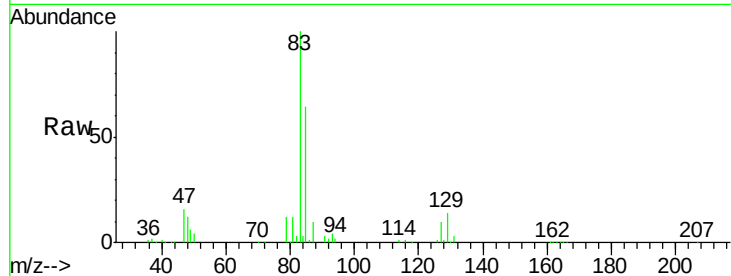
#47
Bromodichloromethane
Concen: 52.190 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	229150		
85	64.5	53.1	79.7	
127	10.0	8.6	13.0	

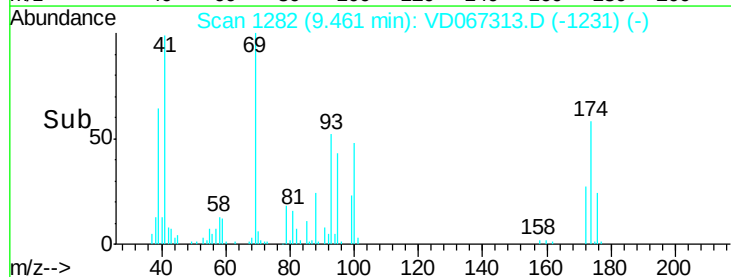
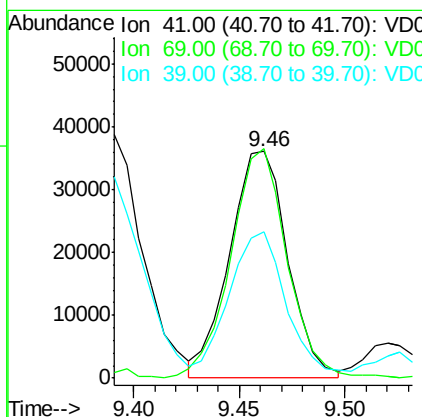
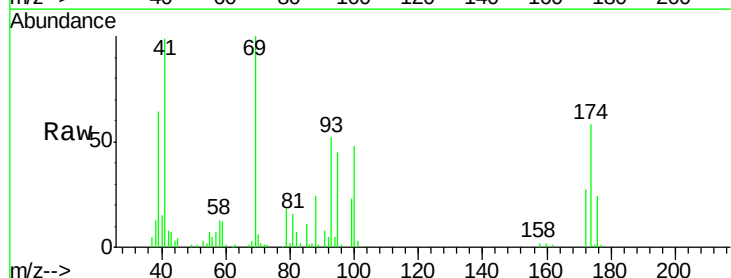
Manual Integrations
APPROVED

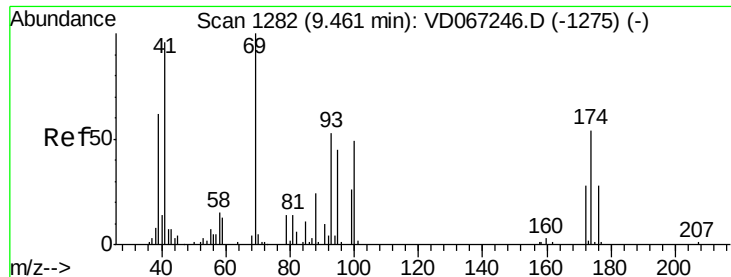
MMDadoda
10/21/2020 2:51:53 PM



#48
Methyl methacrylate
Concen: 58.822 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	69039		
69	98.4	89.0	133.6	
39	57.8	60.2	90.2#	





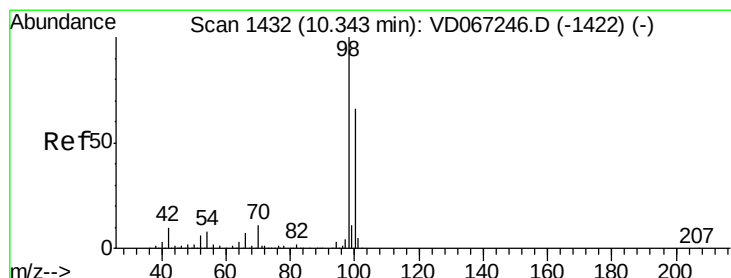
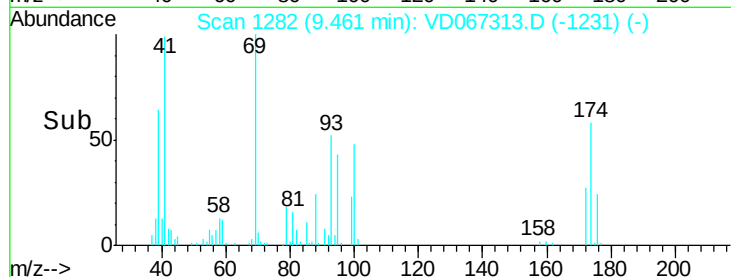
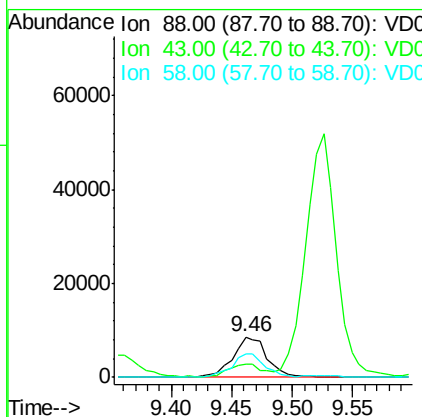
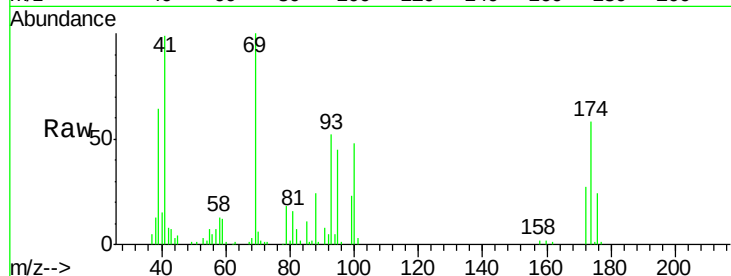
#49
1,4-Dioxane
Concen: 1074.386 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	17003
Ion	Ratio	Lower	Upper
88	100		
43	34.3	23.9	35.9
58	56.9	51.0	76.6

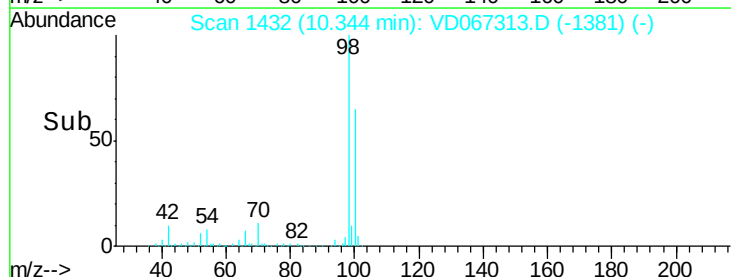
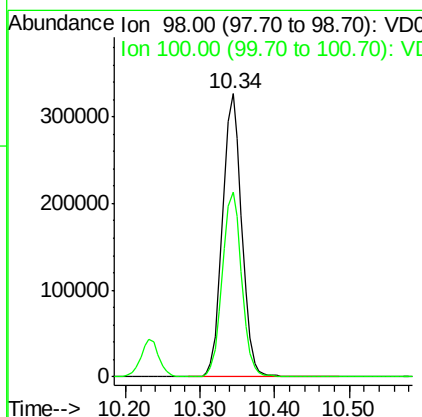
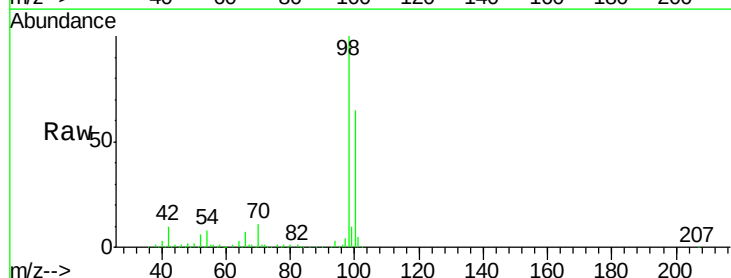
Manual Integrations
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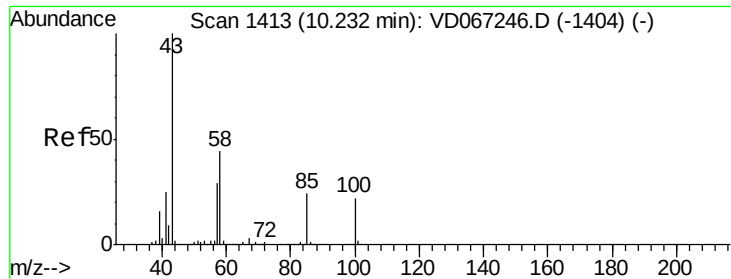
MMDadoda
10/21/2020 2:51:53 PM



#50
Toluene-d8
Concen: 50.174 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	98	Resp	589806
Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.1	79.7





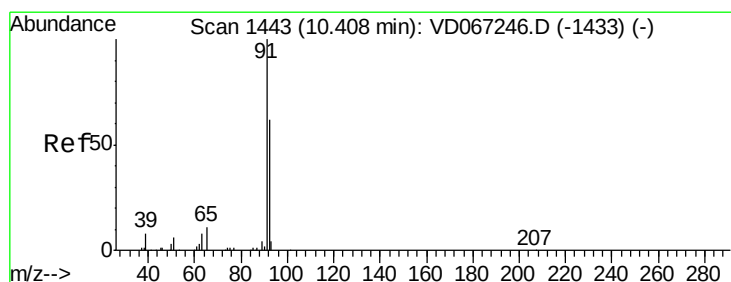
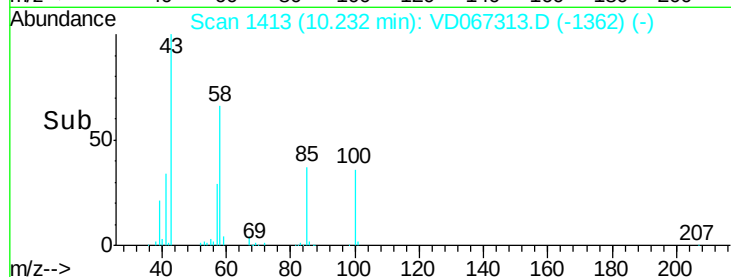
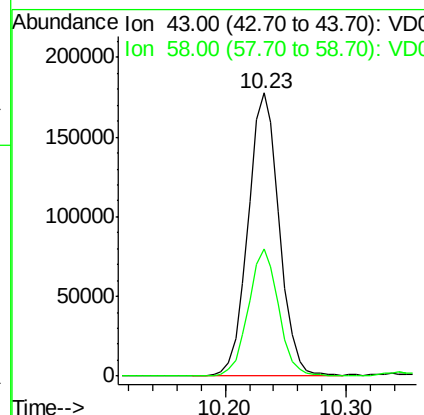
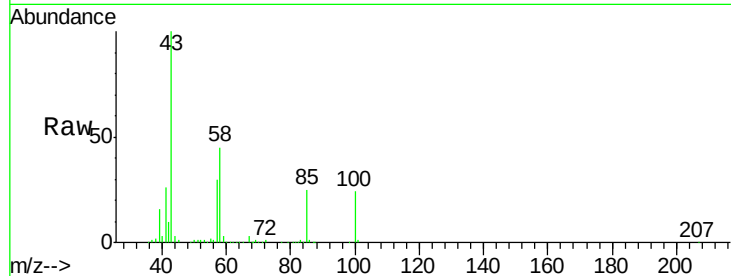
#51
4-Methyl-2-Pentanone
Concen: 264.902 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 319104
Ion Ratio Lower Upper
43 100
58 43.6 35.7 53.5

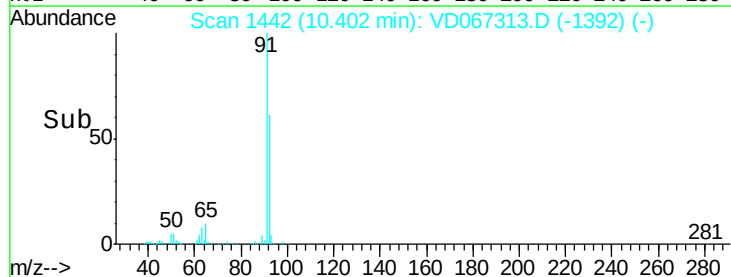
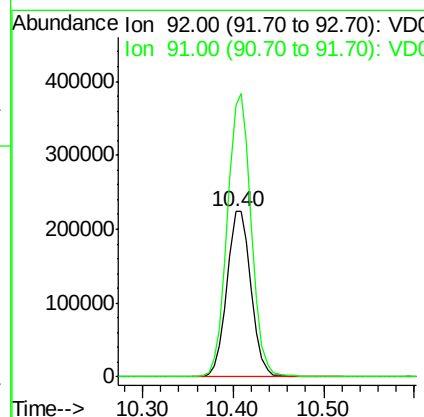
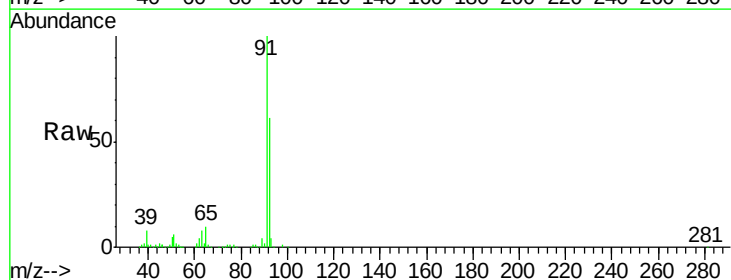
Manual Integrations
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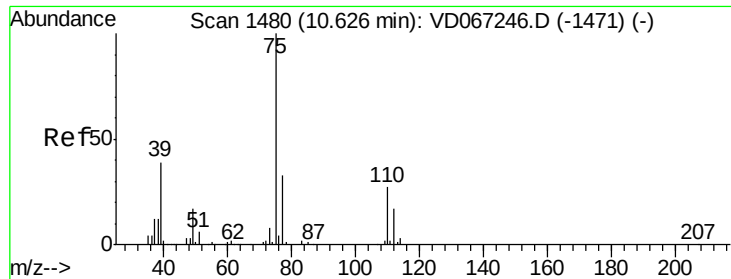
MMDadoda
10/21/2020 2:51:53 PM



#52
Toluene
Concen: 53.513 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion: 92 Resp: 413652
Ion Ratio Lower Upper
92 100
91 168.7 133.8 200.8





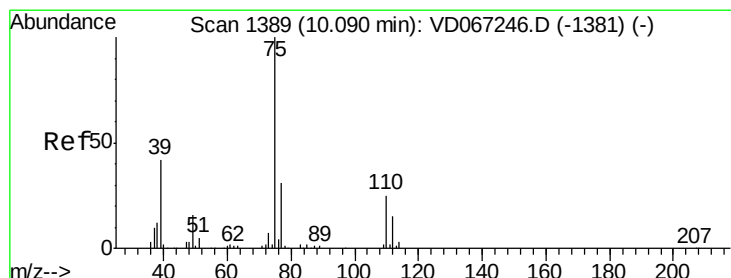
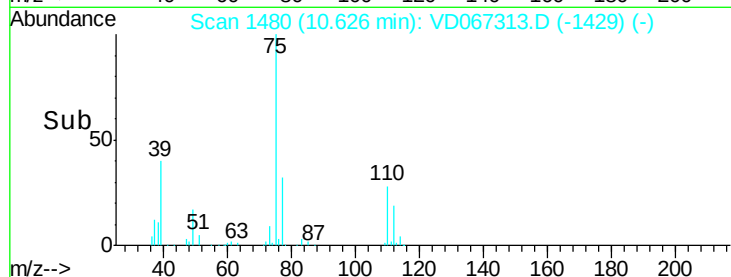
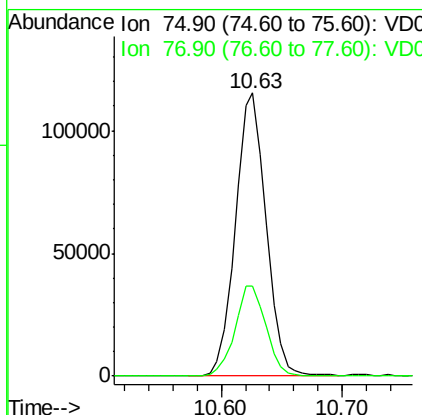
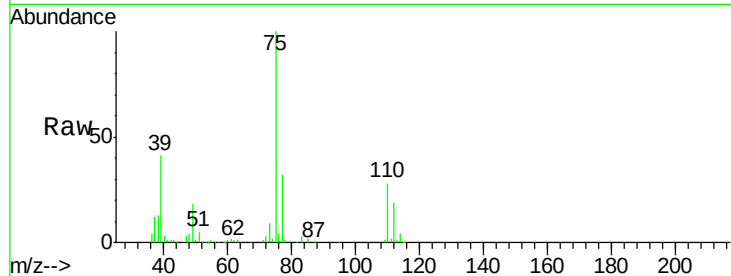
#53
t-1,3-Dichloropropene
Concen: 52.855 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.5	39.7

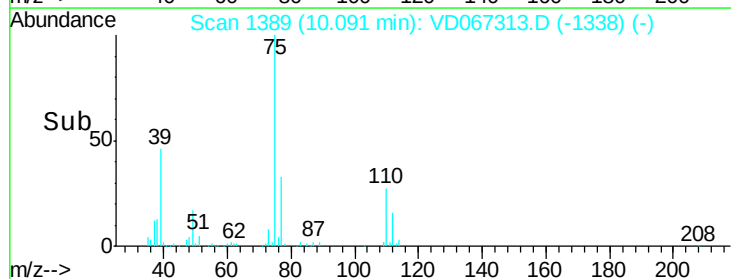
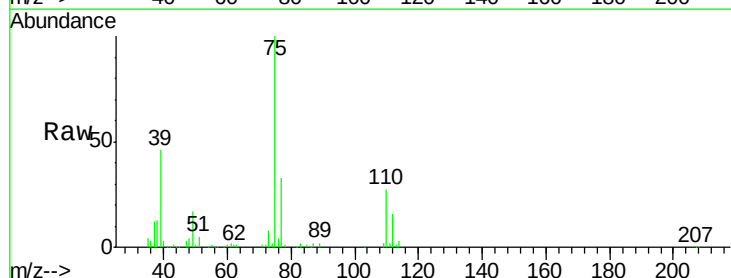
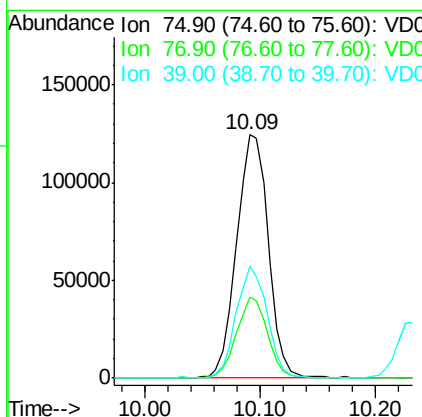
Manual Integrations
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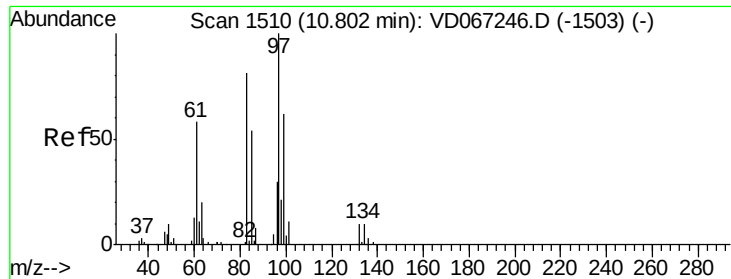
MMDadoda
10/21/2020 2:51:53 PM



#54
cis-1,3-Dichloropropene
Concen: 52.591 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.5	36.7
39	46.0	33.7	50.5





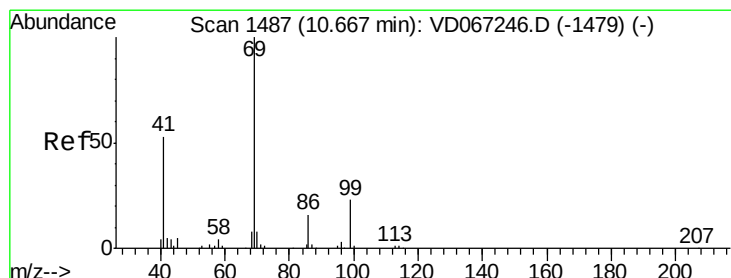
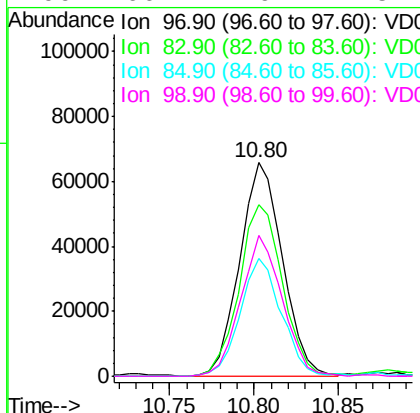
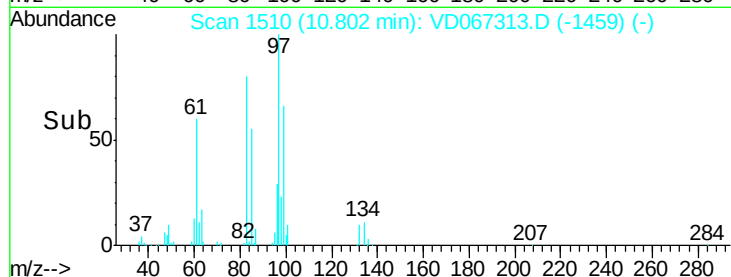
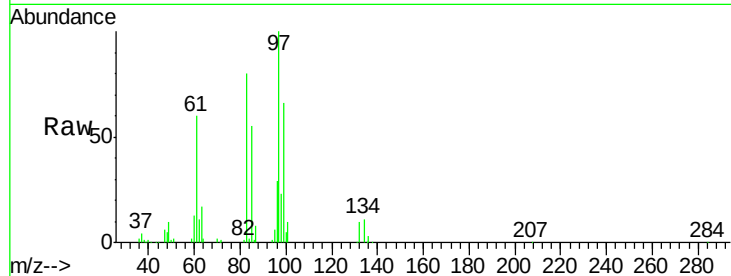
#55
 1,1,2-Trichloroethane
 Concen: 51.895 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		115971		
83	80.2	64.9	97.3		
85	55.1	43.3	64.9		
99	66.1	49.1	73.7		

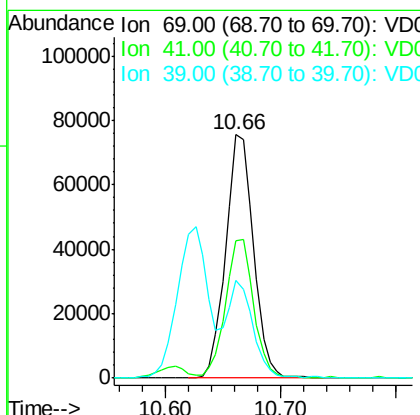
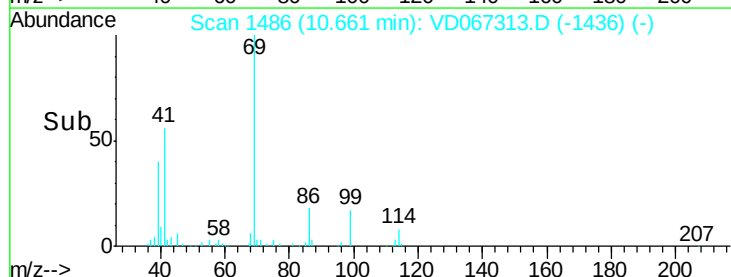
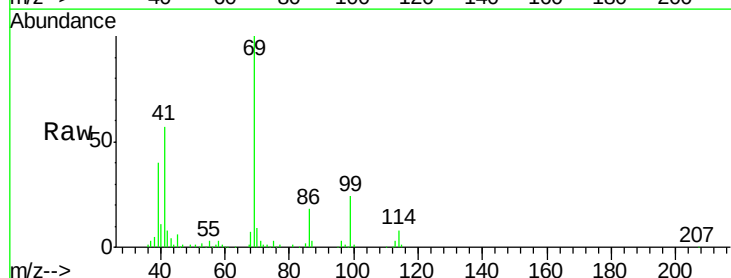
Manual Integrations
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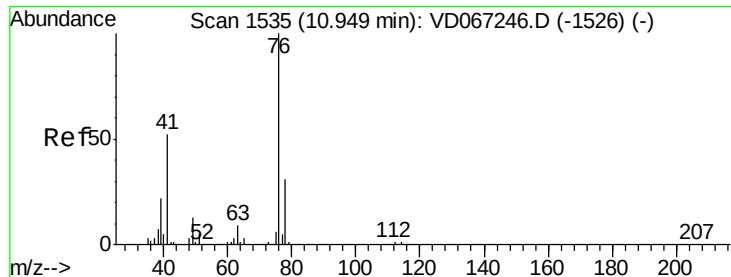
MMDadoda
 10/21/2020 2:51:53 PM



#56
 Ethyl methacrylate
 Concen: 54.441 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		126175		
41	57.3	44.7	67.1		
39	34.1	26.2	39.2		





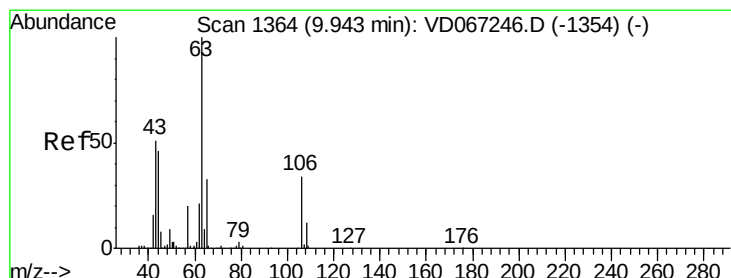
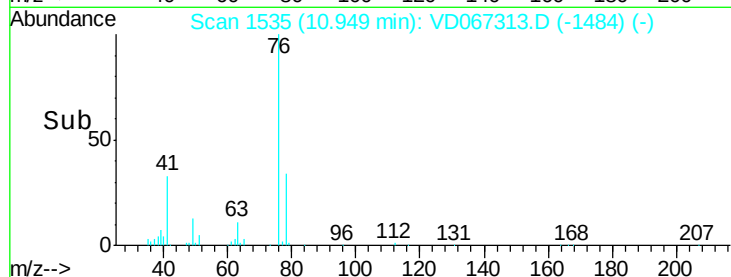
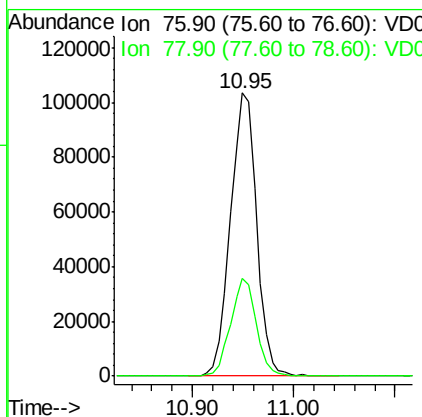
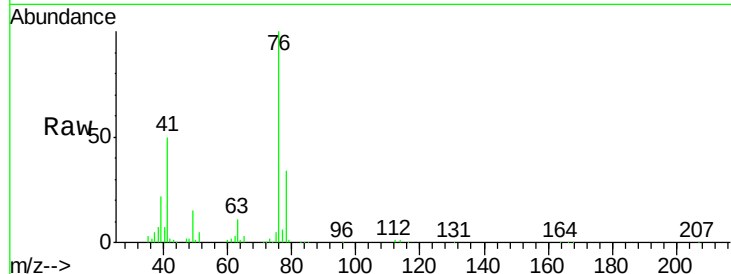
#57
 1,3-Dichloropropane
 Concen: 52.207 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.6	26.8	40.2

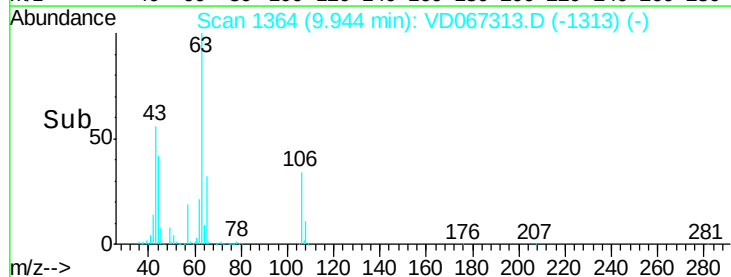
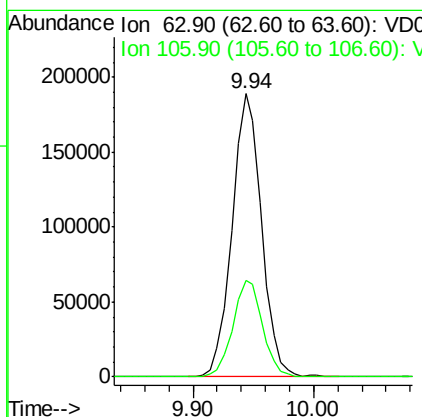
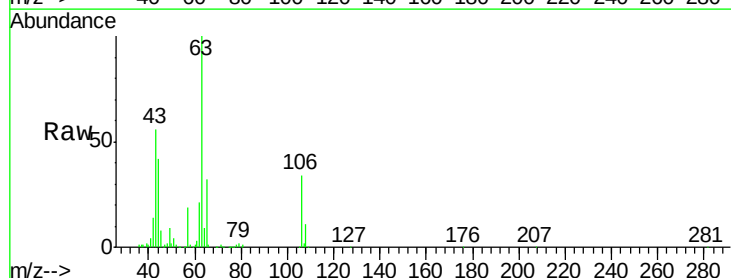
Manual Integrations
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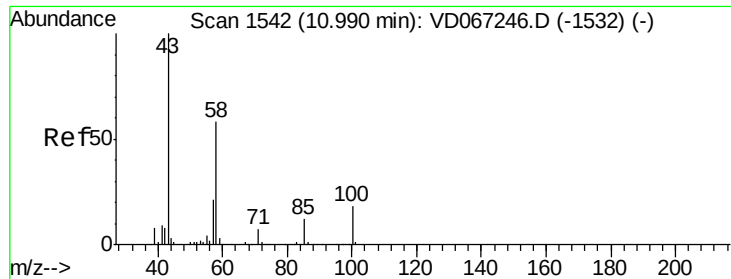
MMDadoda
 10/21/2020 2:51:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.836 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.3	27.8	41.6





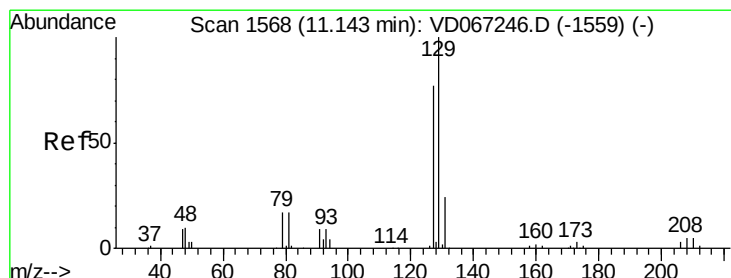
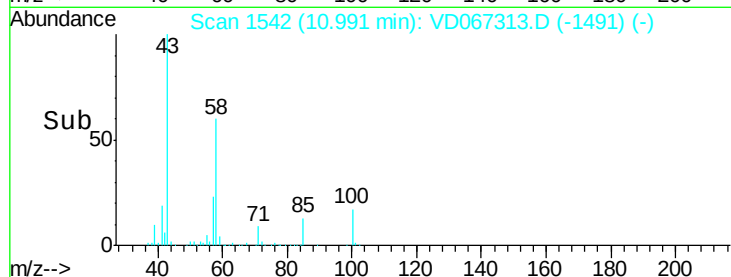
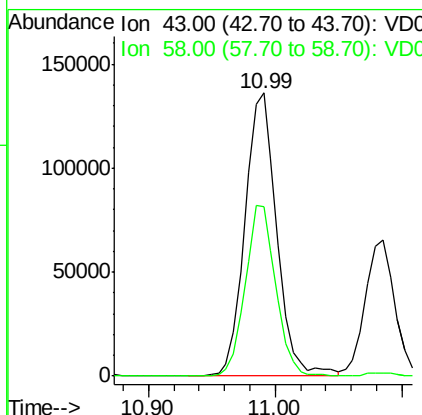
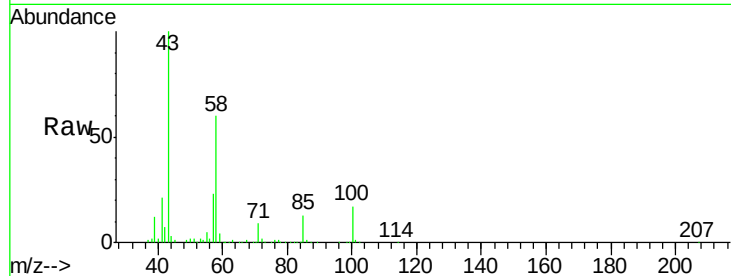
#59
2-Hexanone
Concen: 288.950 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	237848
Ion Ratio	100	Lower	Upper
43	100		
58	57.8	29.3	87.9

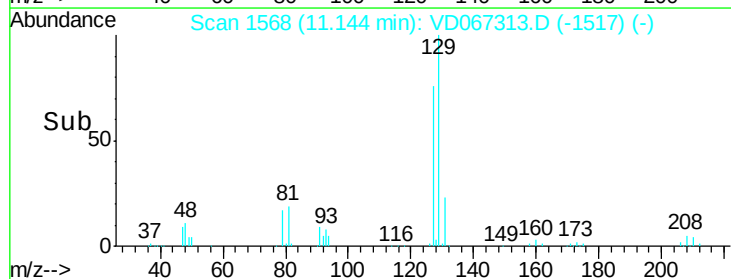
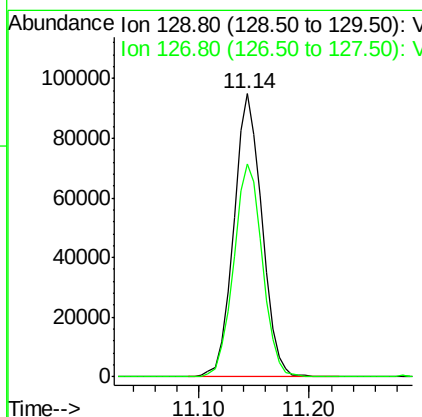
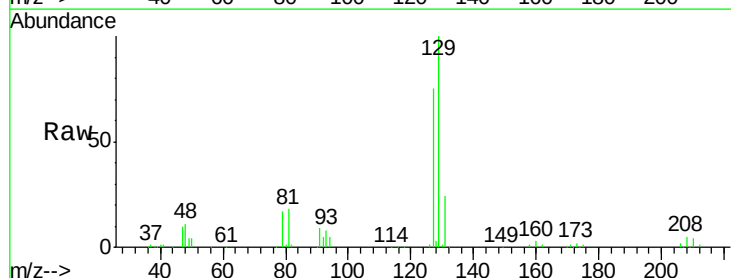
Manual Integrations
APPROVED

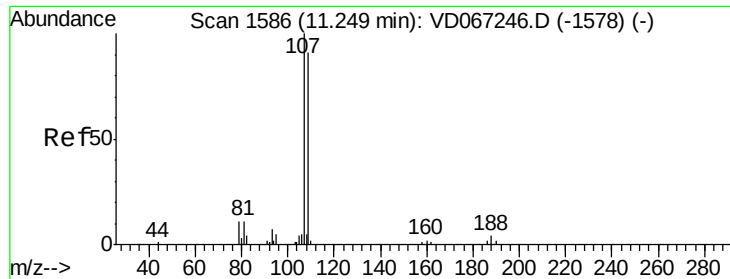
MMDadoda
10/21/2020 2:51:53 PM



#60
Dibromochloromethane
Concen: 52.239 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	129	Resp	170249	
Ion Ratio	129	100	Lower	Upper
129	100			
127	76.4	38.3	114.8	





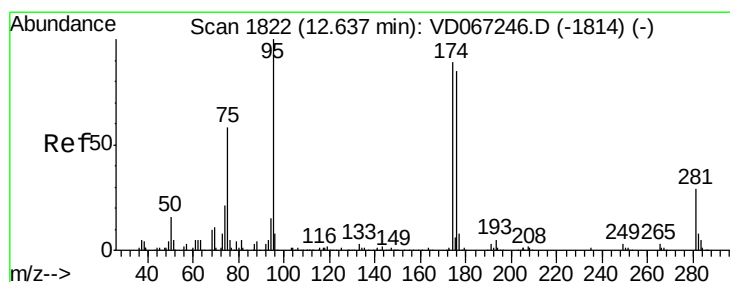
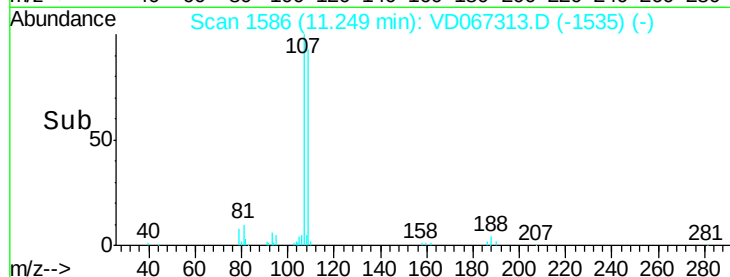
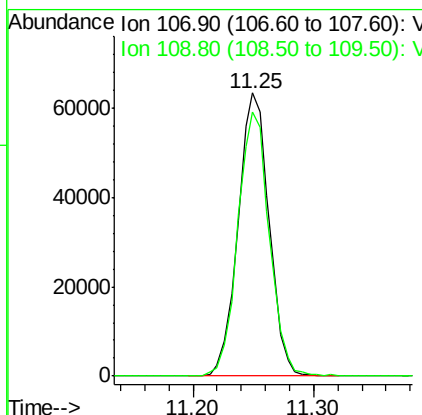
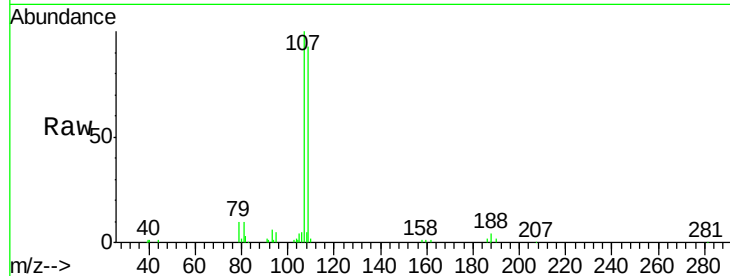
#61
 1,2-Dibromoethane
 Concen: 51.509 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.6	112.0

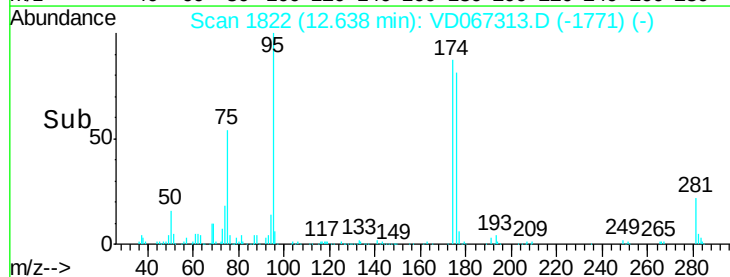
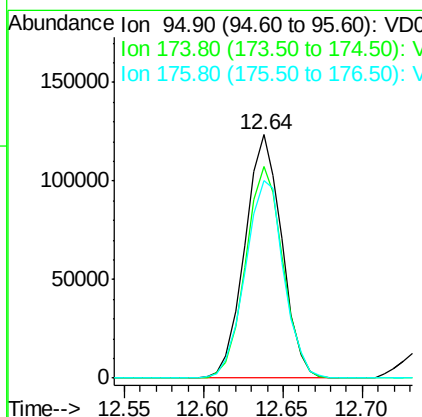
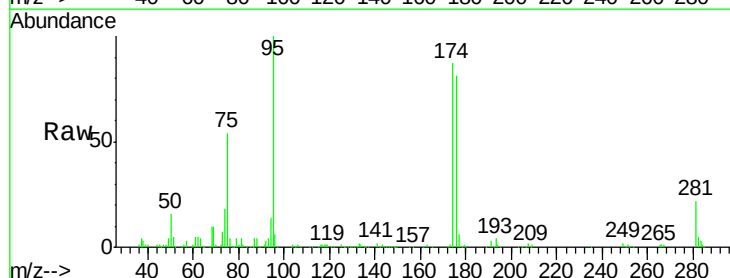
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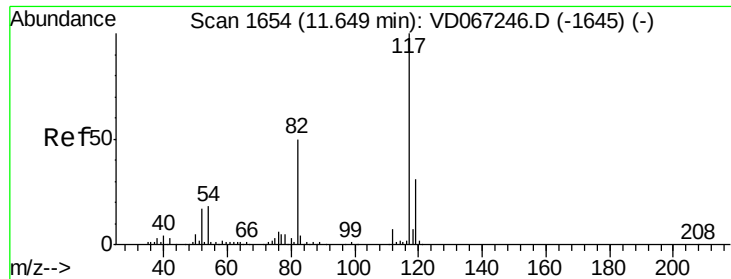
MMDadoda
 10/21/2020 2:51:53 PM



#62
 4-Bromofluorobenzene
 Concen: 48.926 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	175.2
176	84.7	0.0	168.6





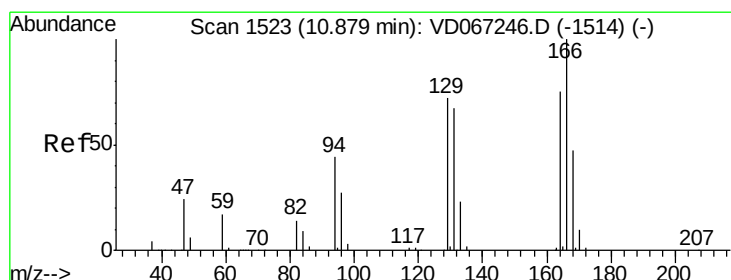
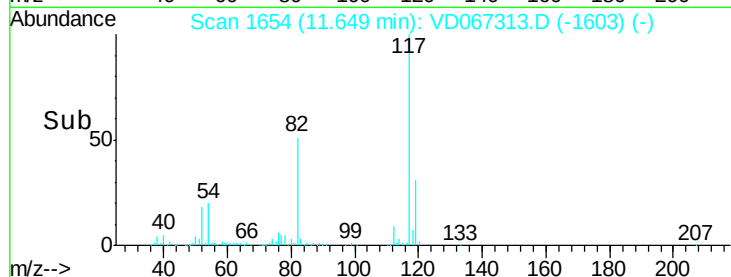
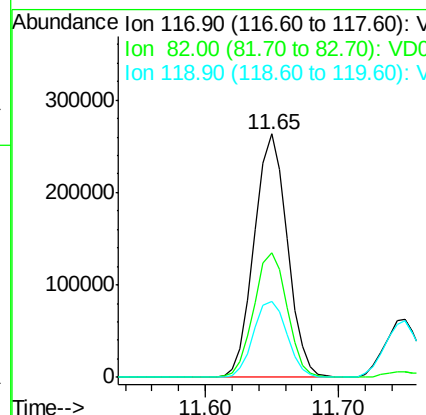
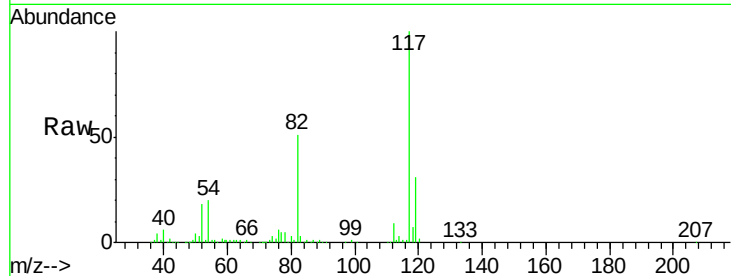
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	39.9	59.9
119	31.2	24.9	37.3

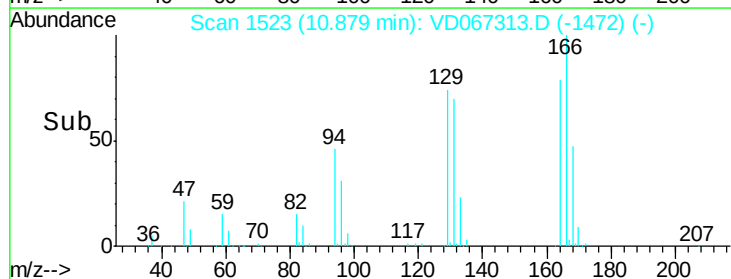
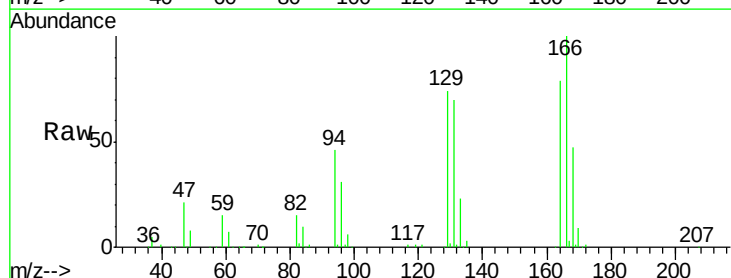
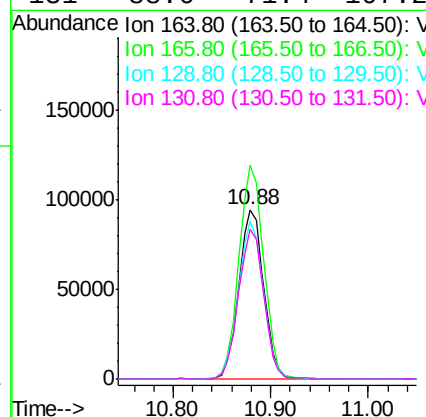
Manual Integrations
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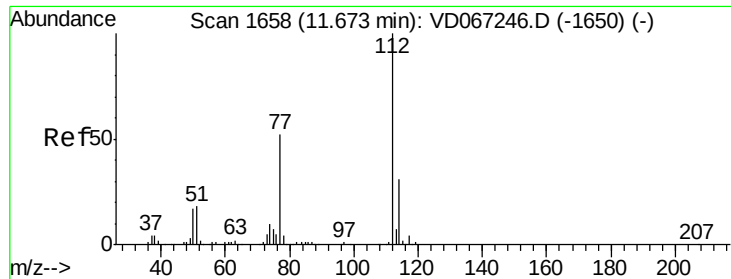
MMDadoda
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#64
Tetrachloroethene
Concen: 50.857 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	107.3	160.9
129	93.2	77.3	115.9
131	88.6	71.4	107.2





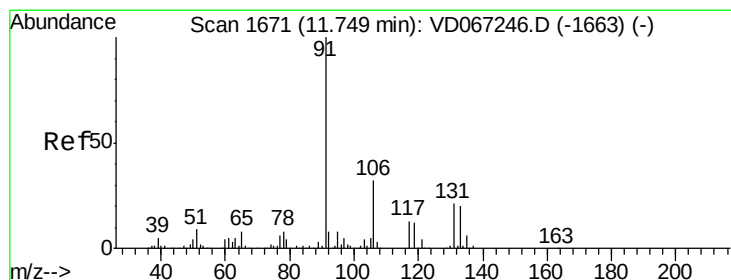
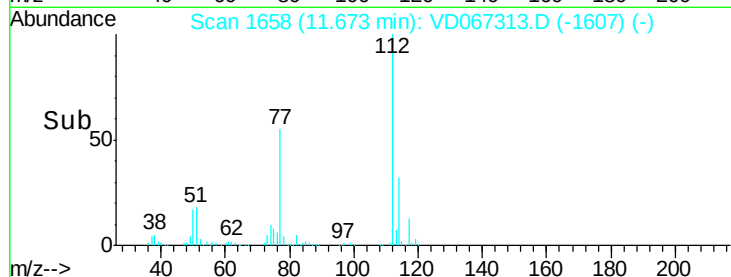
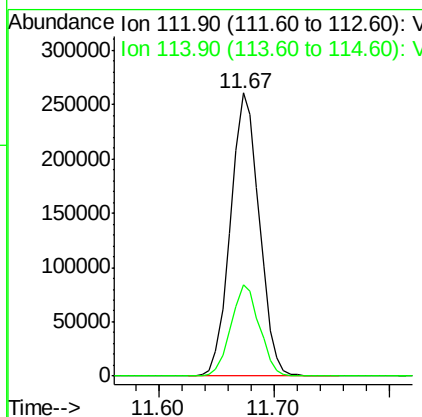
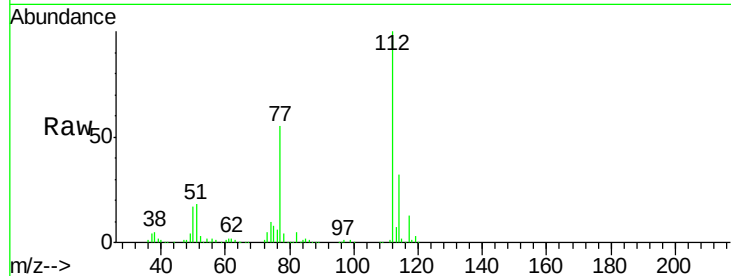
#65
Chlorobenzene
Concen: 51.828 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.0	37.4

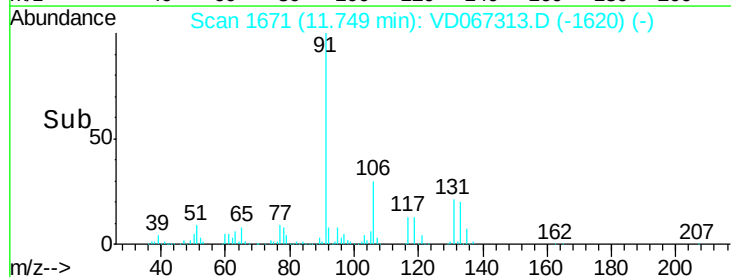
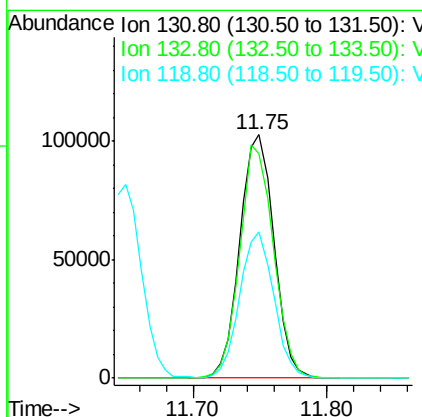
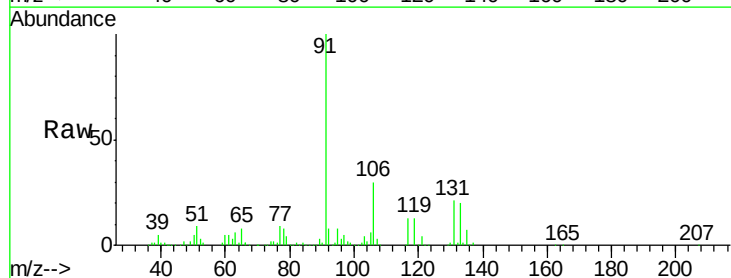
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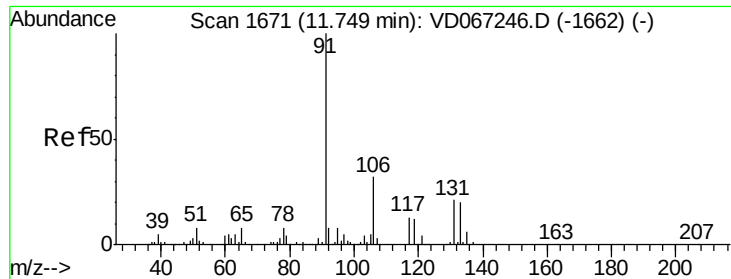
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.733 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.1	144.3
119	60.1	30.0	90.0





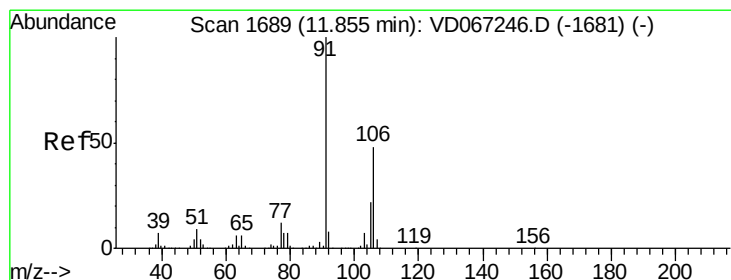
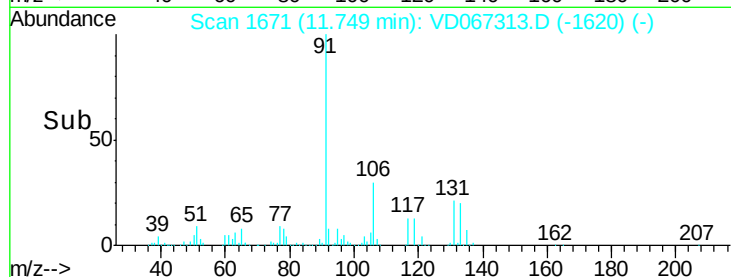
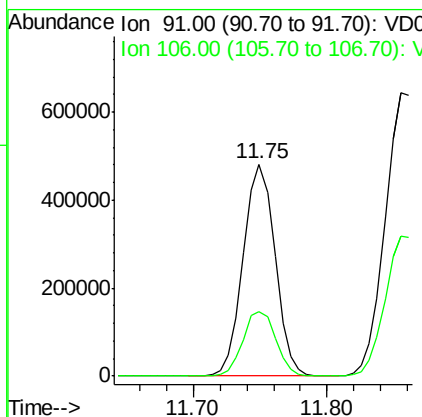
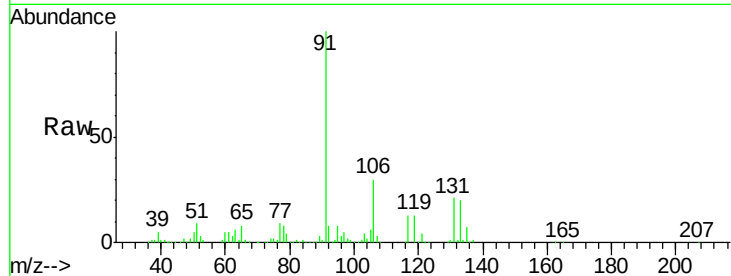
#67
Ethyl Benzene
Concen: 53.694 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 798568
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.0

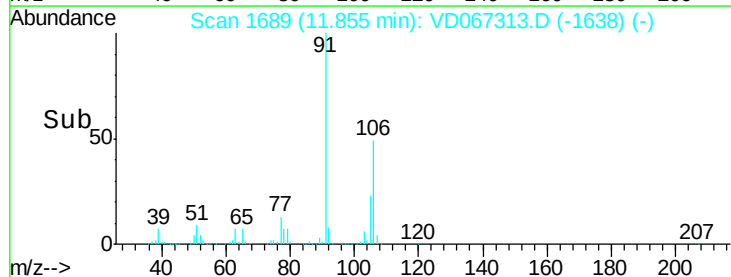
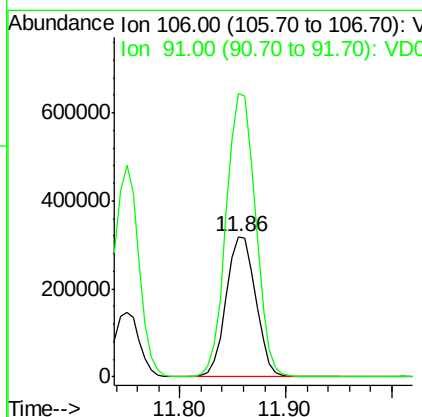
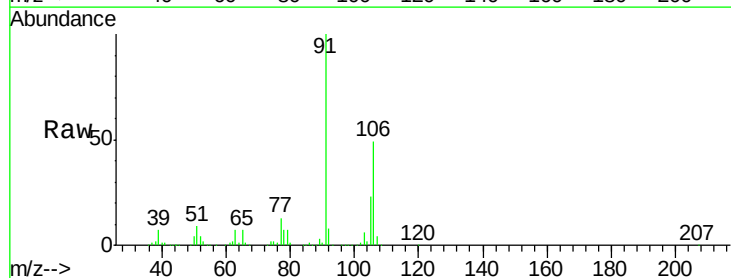
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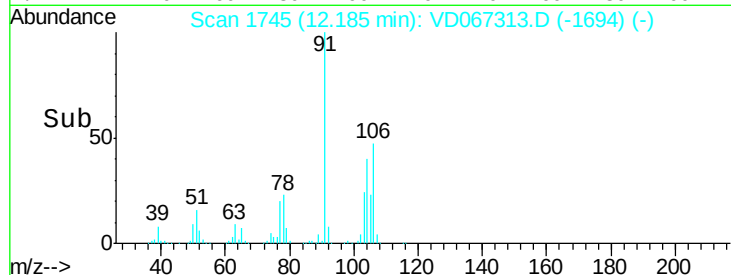
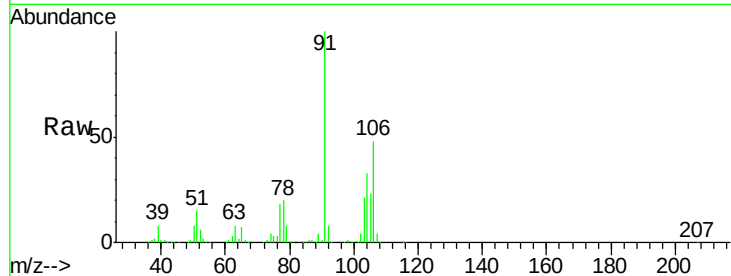
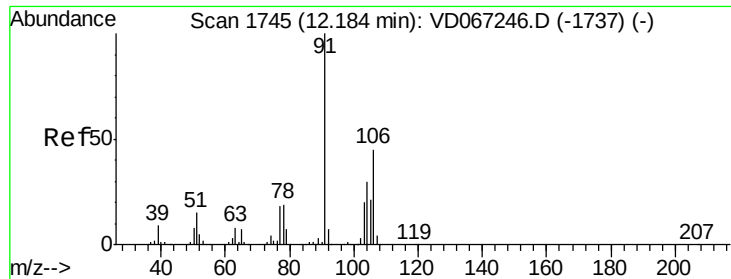
MMDadoda
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#68
m/p-Xylenes
Concen: 107.431 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion: 106 Resp: 615277
Ion Ratio Lower Upper
106 100
91 201.3 163.8 245.8





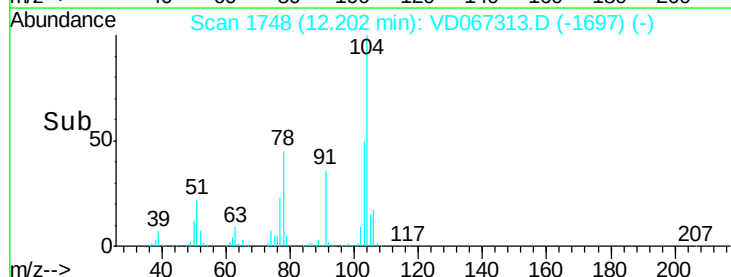
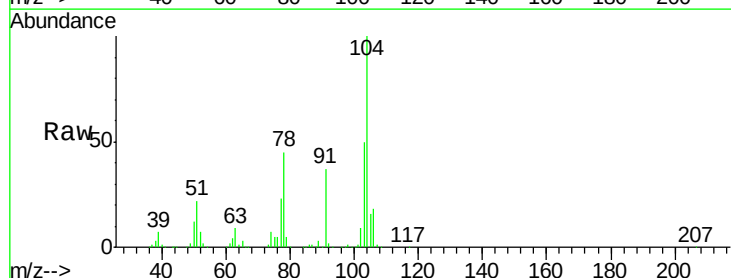
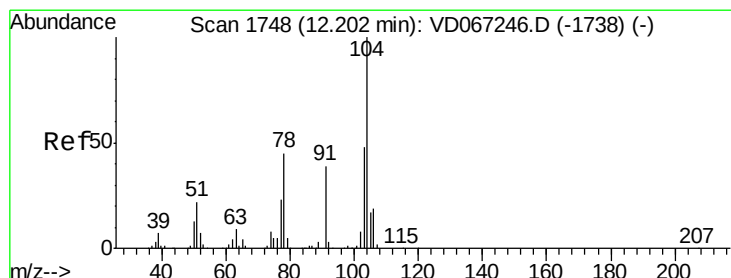
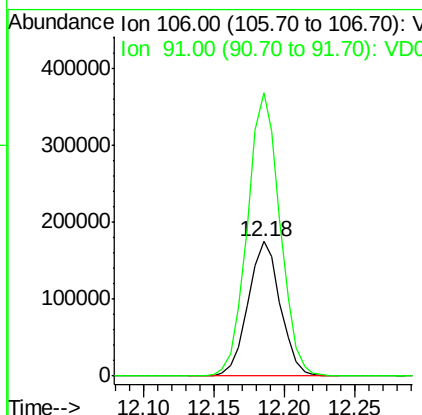
#69
o-Xylene
Concen: 52.957 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tot Ion:106 Resp: 280853
Ion Ratio Lower Upper
106 100
91 213.0 109.1 327.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

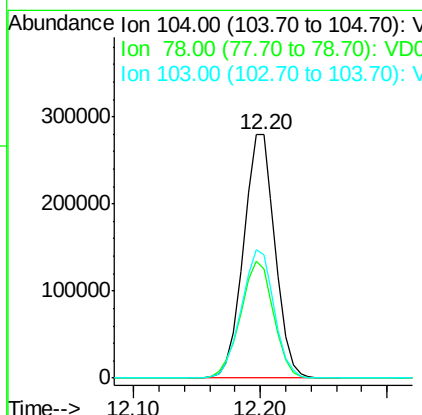
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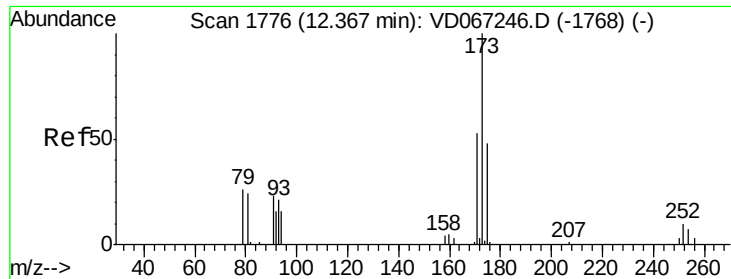
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#70
Styrene
Concen: 52.749 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion:104 Resp: 481568
Ion Ratio Lower Upper
104 100
78 50.4 39.8 59.6
103 54.9 42.6 64.0





#71

Bromoform

Concen: 52.236 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 96768

Ion Ratio Lower Upper

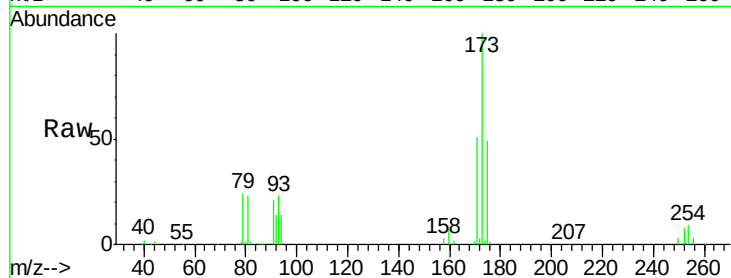
173 100

175 48.5 24.2 72.6

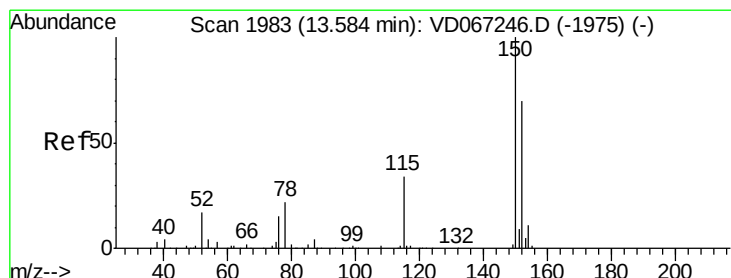
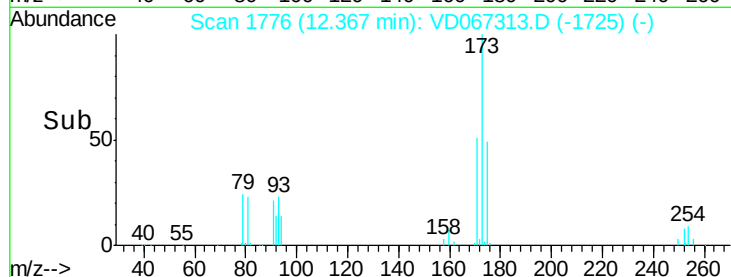
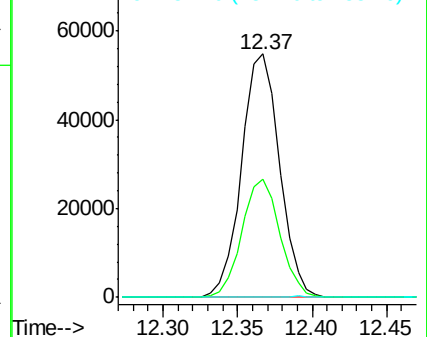
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

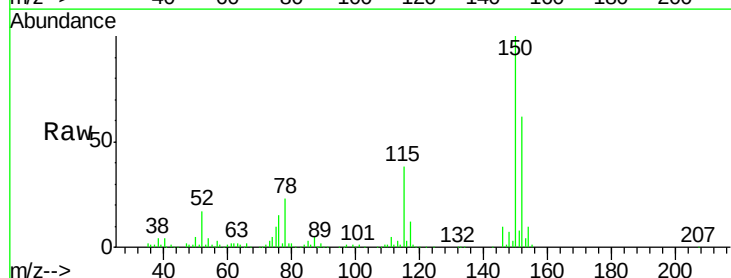
Tgt Ion:152 Resp: 224599

Ion Ratio Lower Upper

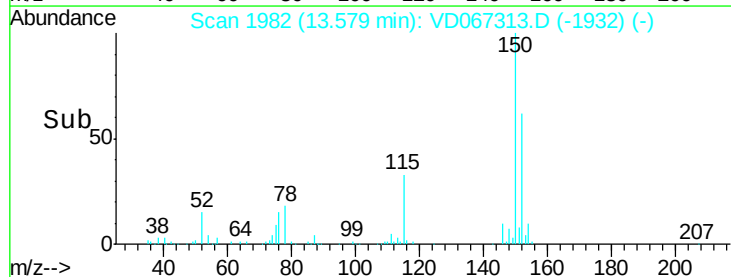
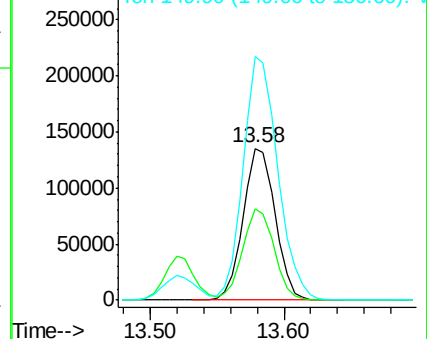
152 100

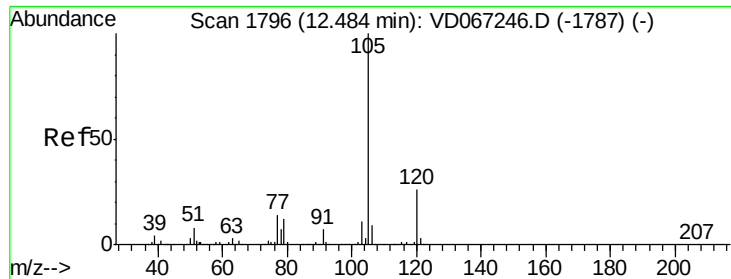
115 59.0 29.3 87.9

150 172.7 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





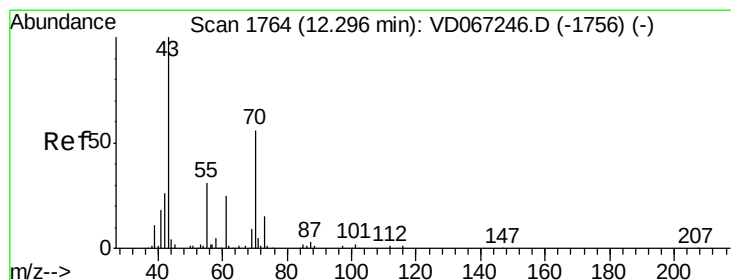
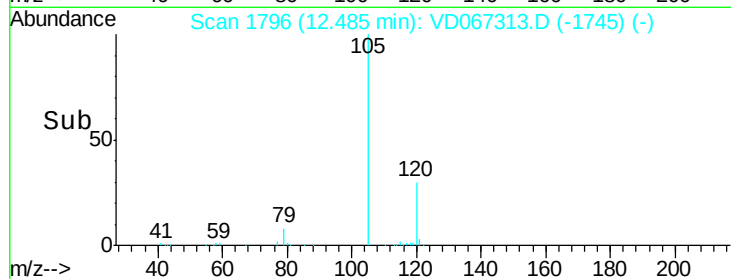
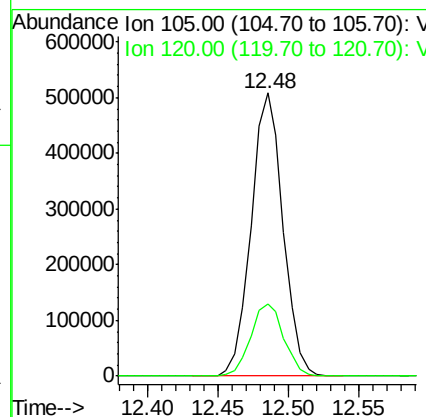
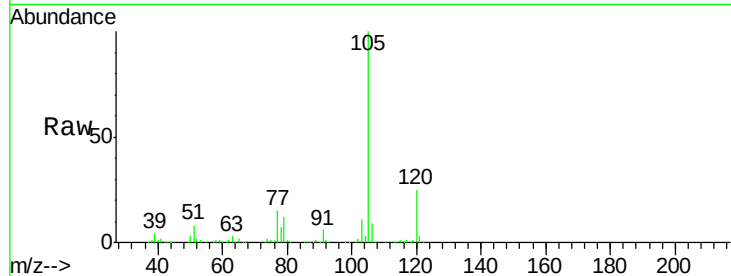
#73
Isopropylbenzene
Concen: 56.262 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.8

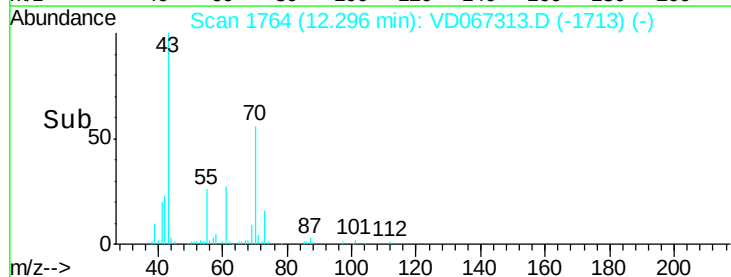
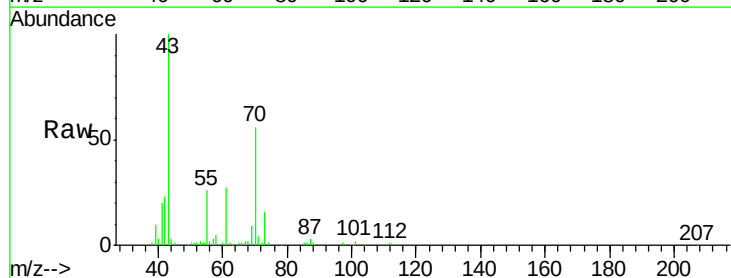
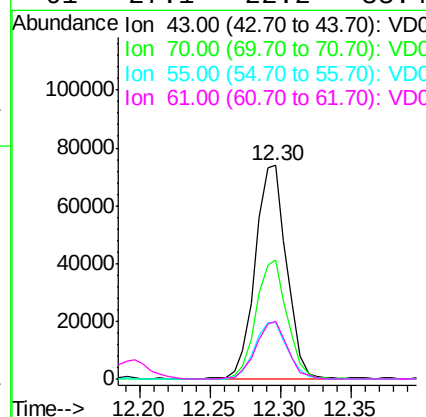
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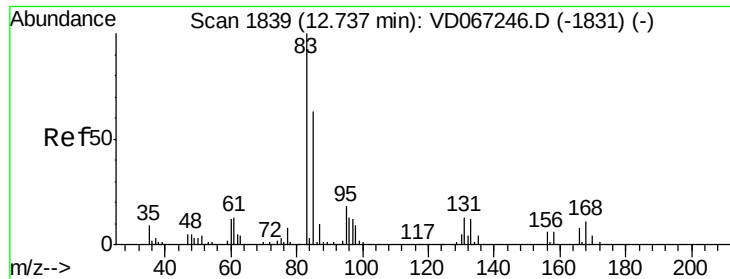
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#74
N-ethyl acetate
Concen: 53.822 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	54.8	42.7	64.1
55	27.7	24.0	36.0
61	27.1	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.951 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

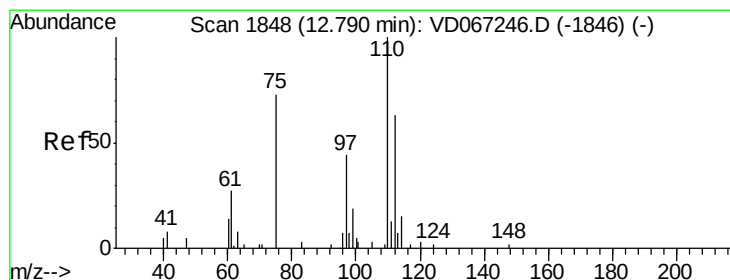
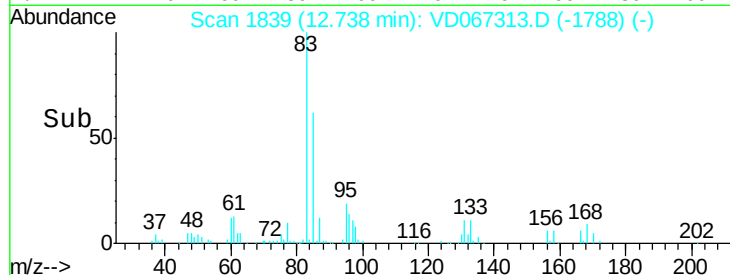
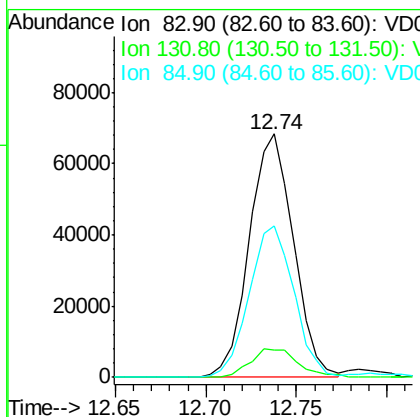
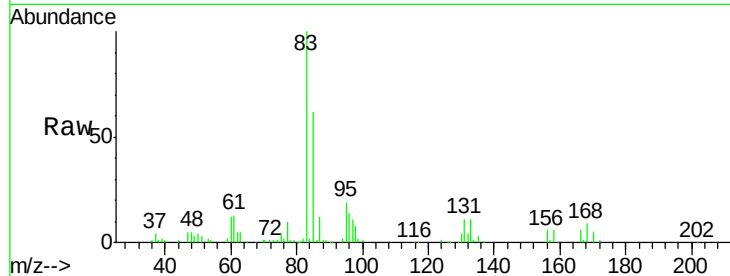
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	115652
Ion Ratio	Lower	Upper	
83	100		
131	12.8	6.5	19.5
85	63.1	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 44.829 ug/l m

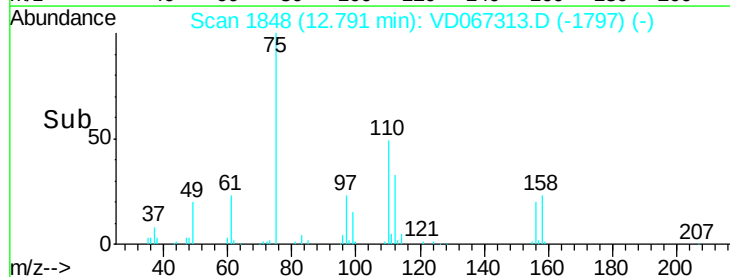
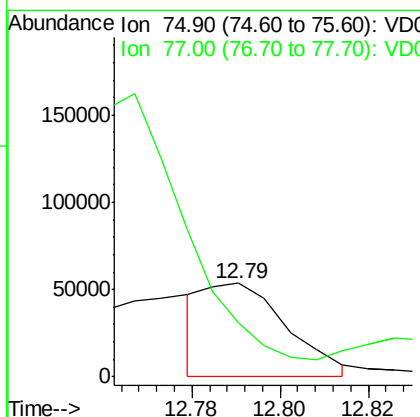
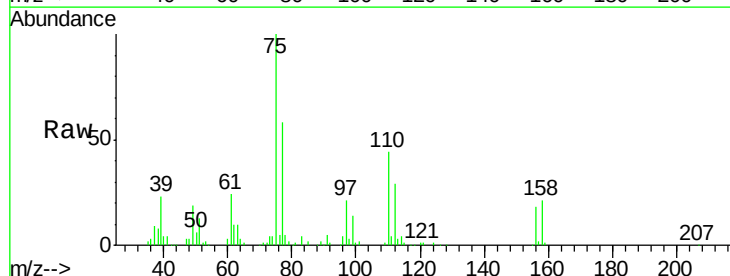
RT: 12.79 min Scan# 1848

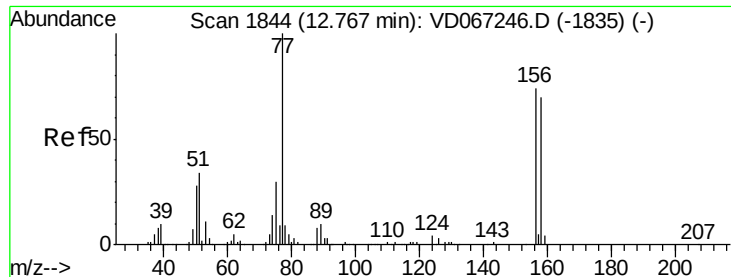
Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Tgt Ion:	75	Resp:	69784
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.825 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

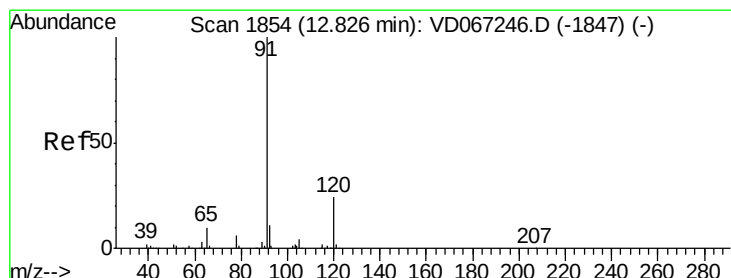
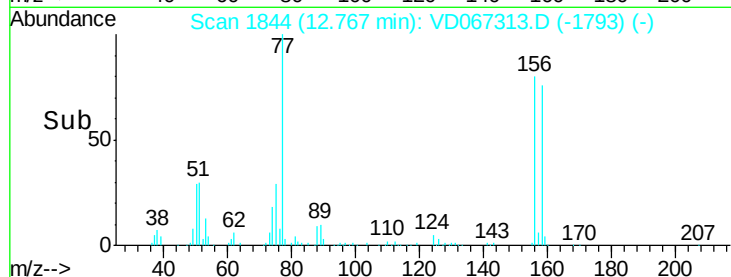
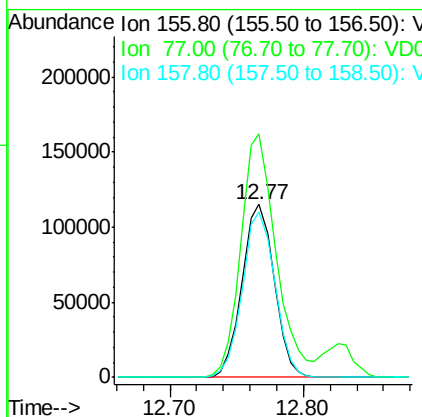
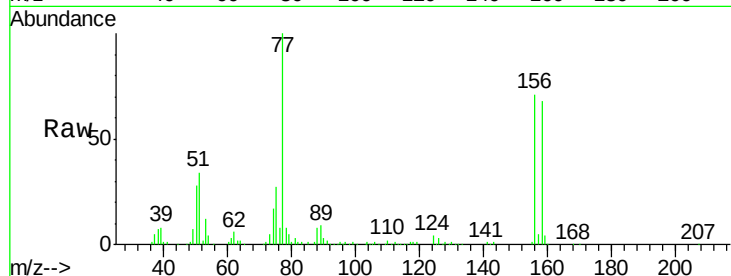
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	155.5	78.0	233.8	
158	96.6	49.1	147.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 55.317 ug/l

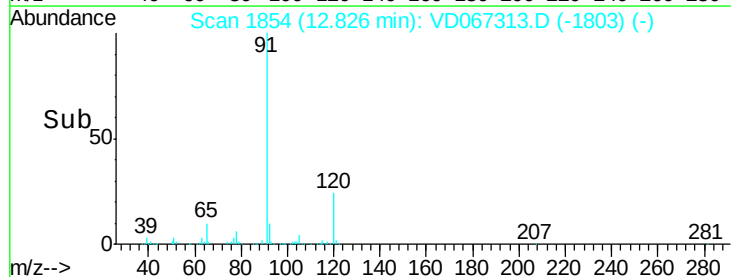
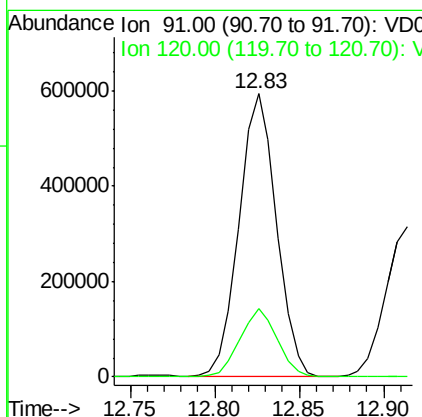
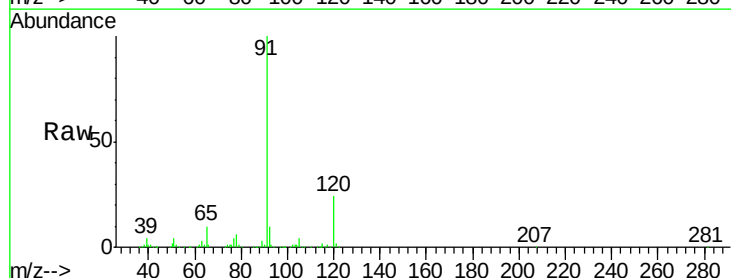
RT: 12.83 min Scan# 1854

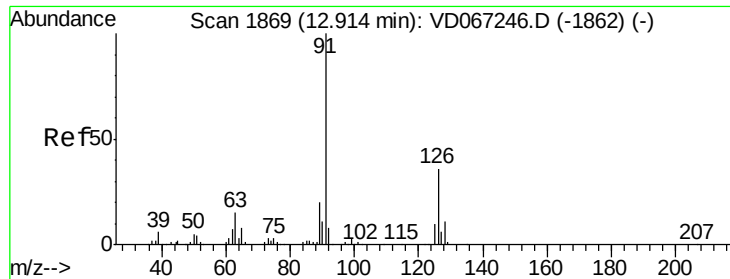
Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.1	11.9	35.9	





#79

2-Chlorotoluene

Concen: 54.238 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 519484

Ion Ratio Lower Upper

91 100

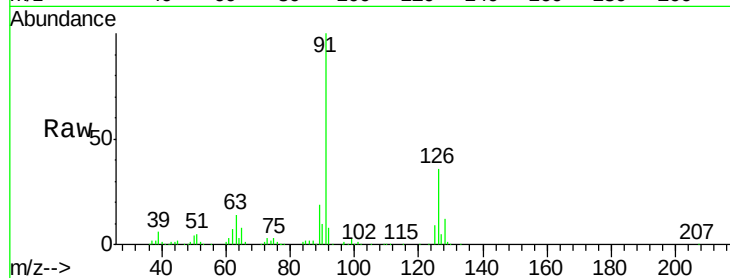
126 35.2 17.6 52.8

Manual Integrations

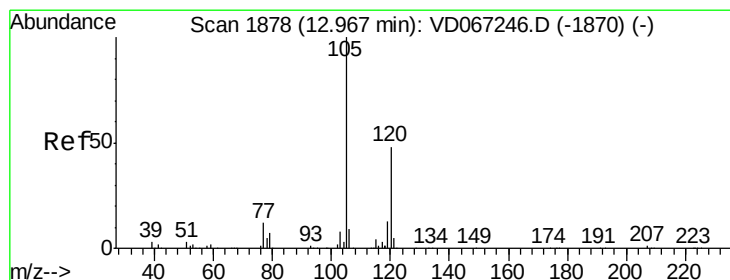
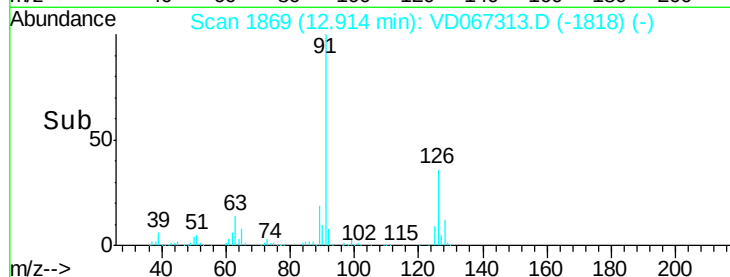
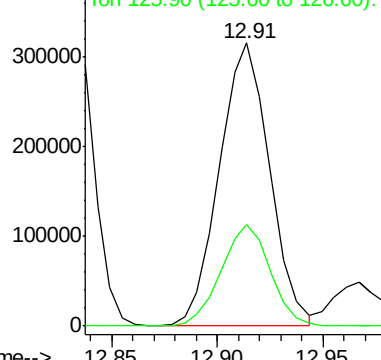
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Abundance Ion 91.00 (90.70 to 91.70): VD067313.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.269 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067313.D

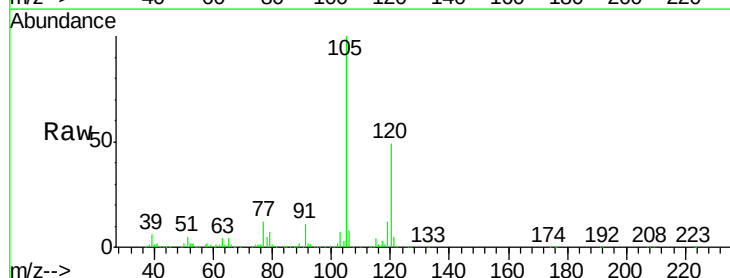
Acq: 20 Oct 2020 10:04

Tgt Ion:105 Resp: 684623

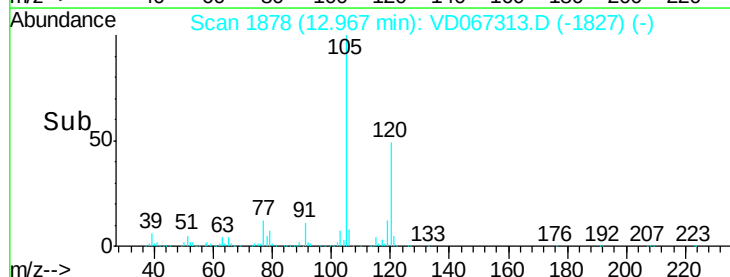
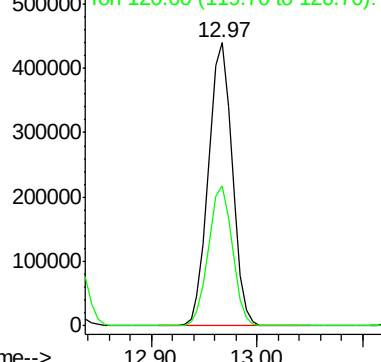
Ion Ratio Lower Upper

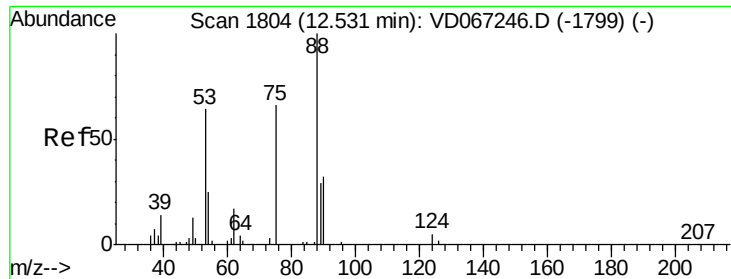
105 100

120 49.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067313.D (-1870) (-)





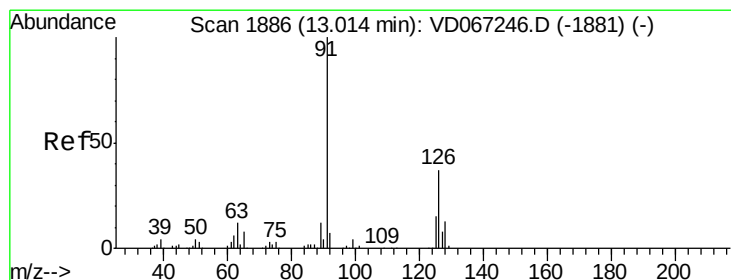
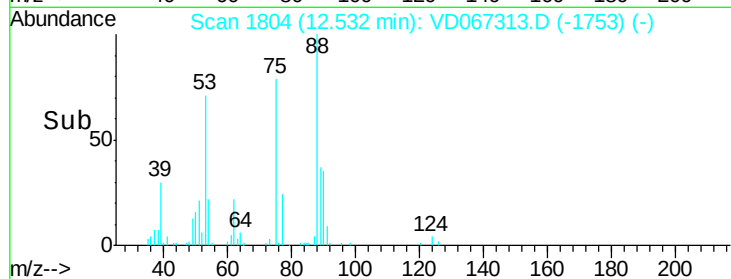
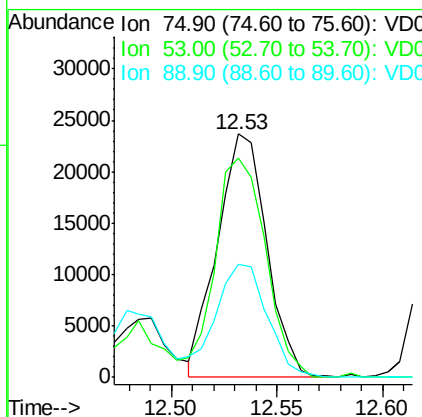
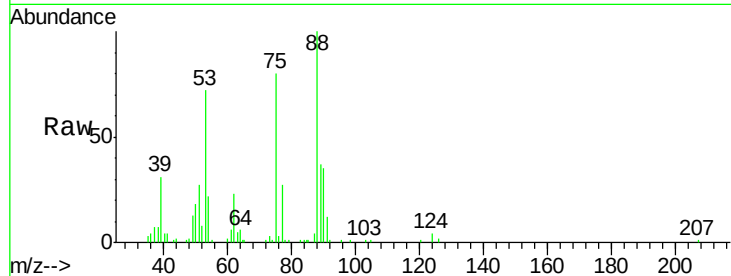
#81
trans-1,4-Dichloro-2-butene
Concen: 55.899 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.0	78.5	117.7
89	50.0	39.9	59.9

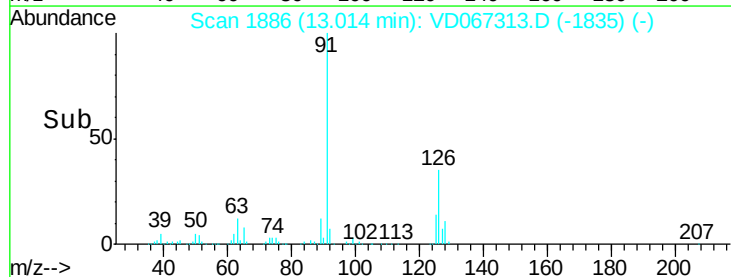
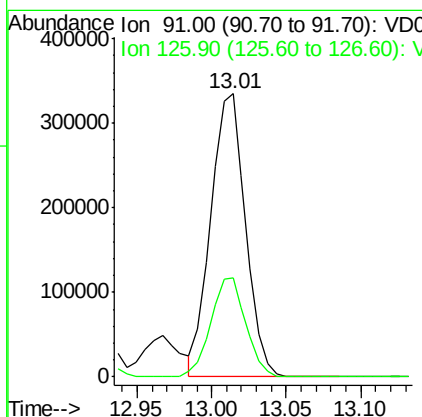
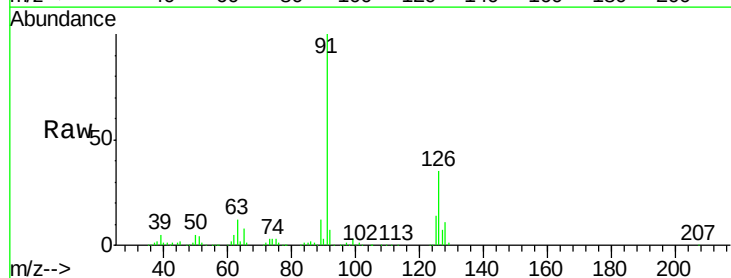
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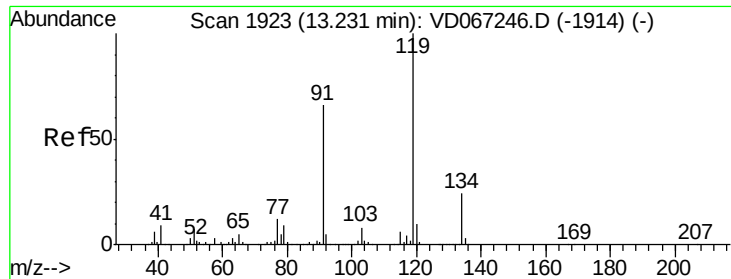
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#82
4-Chlorotoluene
Concen: 53.560 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5





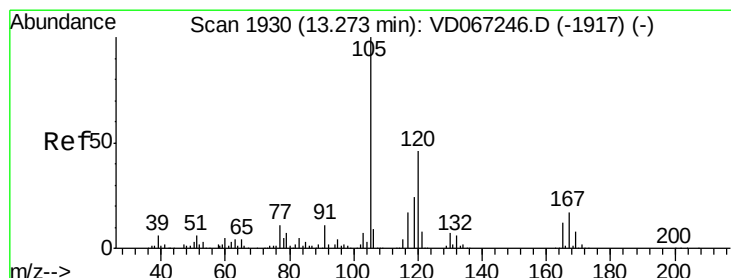
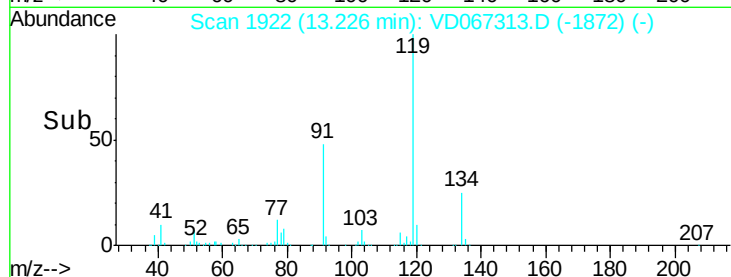
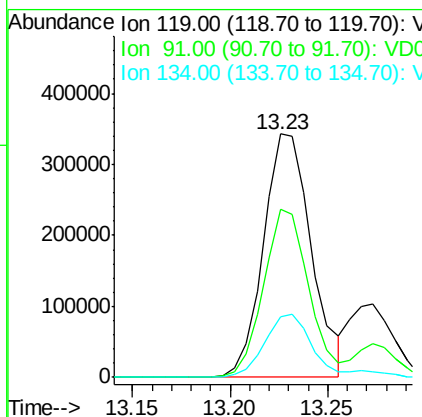
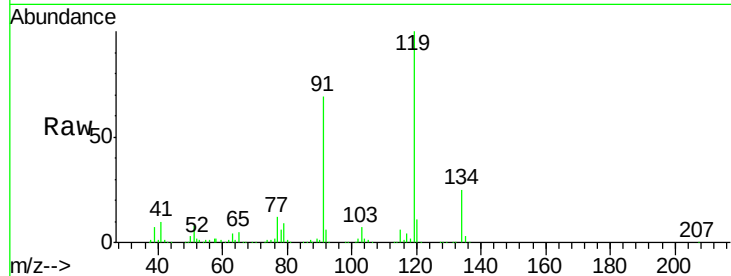
#83
 tert-Butylbenzene
 Concen: 55.851 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	584400		
91	64.8		33.1	99.2
134	27.2		13.3	39.9

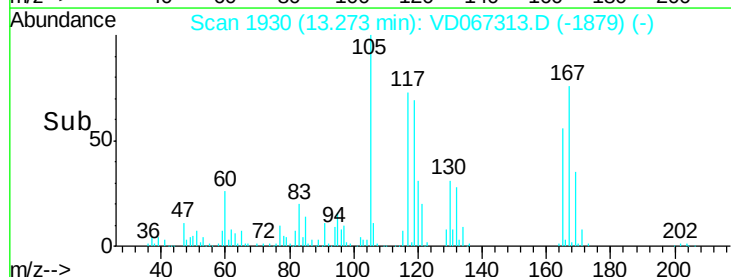
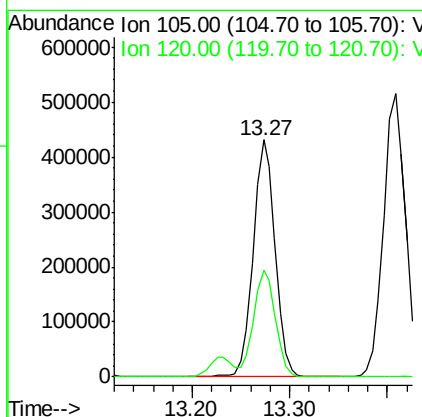
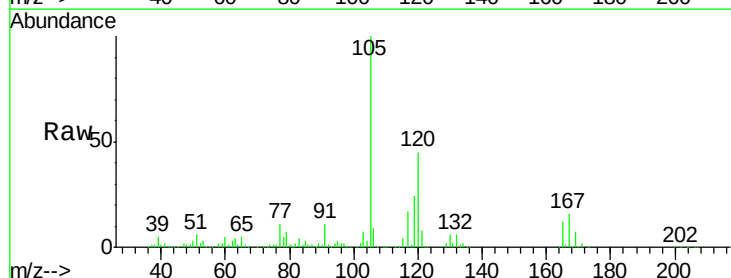
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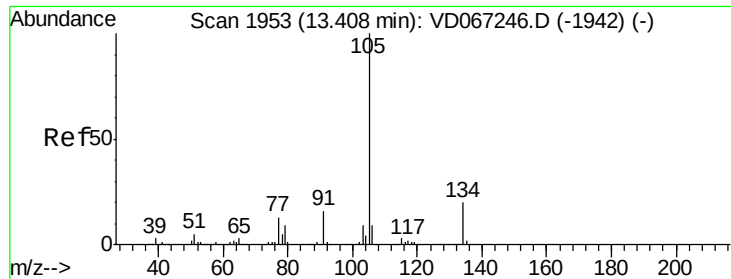
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.622 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	680990		
120	45.5		22.4	67.3





#85

sec-Butylbenzene

Concen: 56.005 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 804097

Ion Ratio Lower Upper

105 100

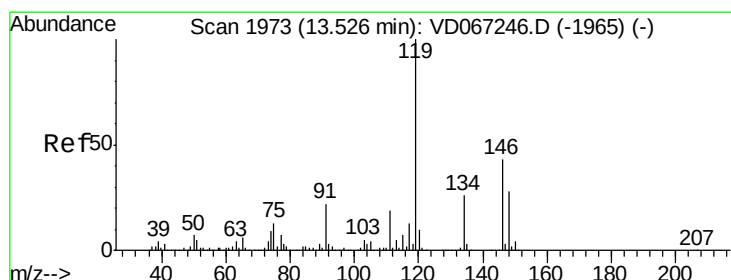
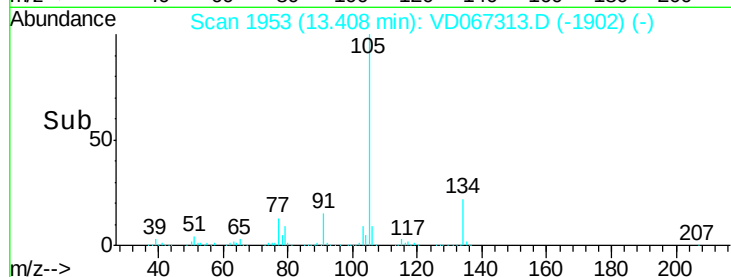
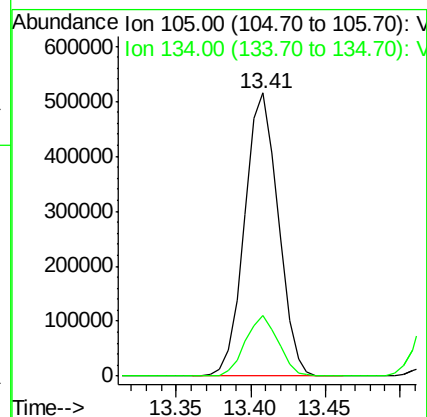
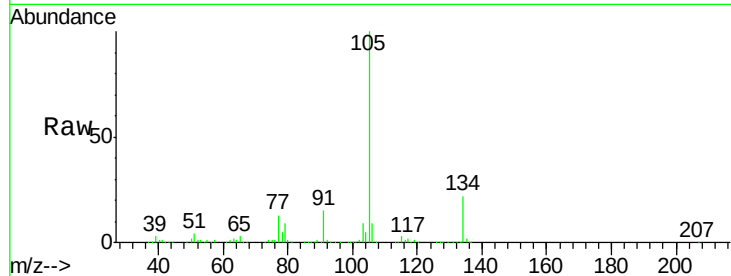
134 20.9 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 55.267 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

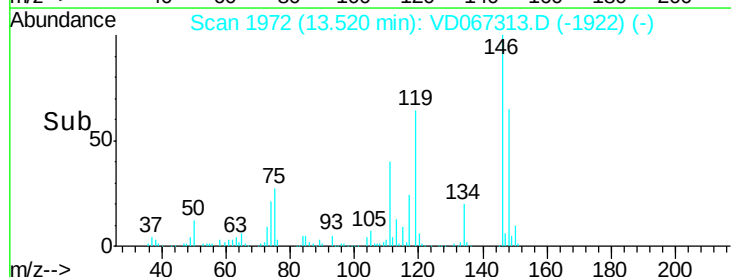
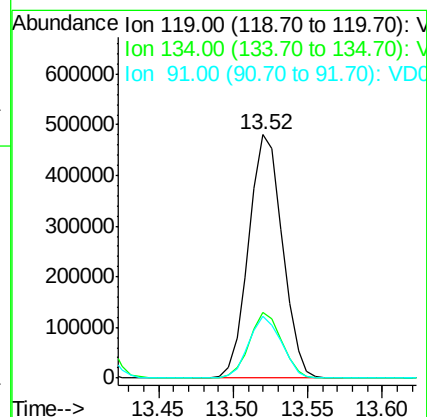
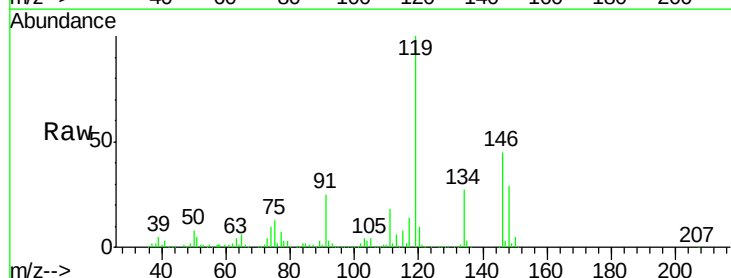
Tgt Ion:119 Resp: 748959

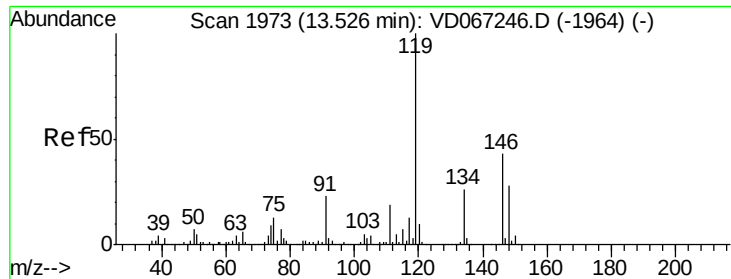
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.6 11.9 35.9





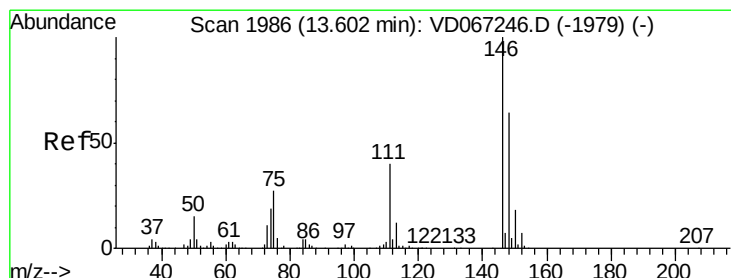
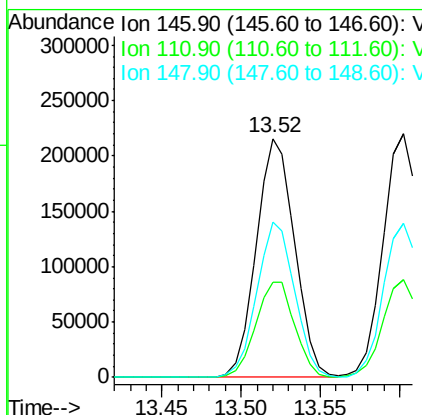
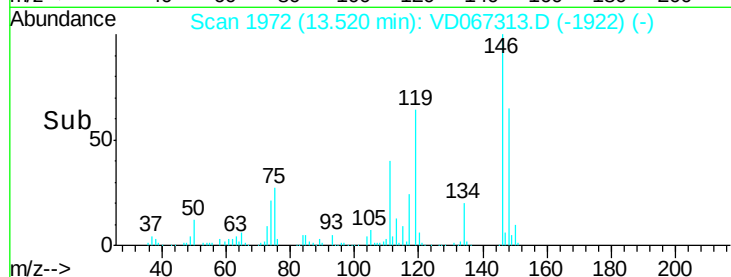
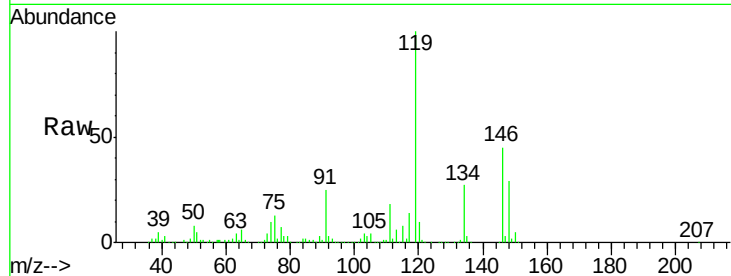
#87
 1,3-Dichlorobenzene
 Concen: 52.955 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	362228		
111	40.6	21.1	63.3	
148	64.4	31.9	95.9	

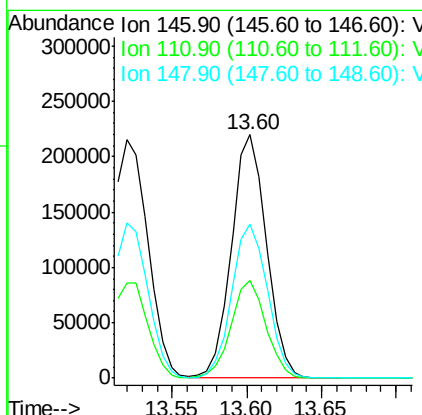
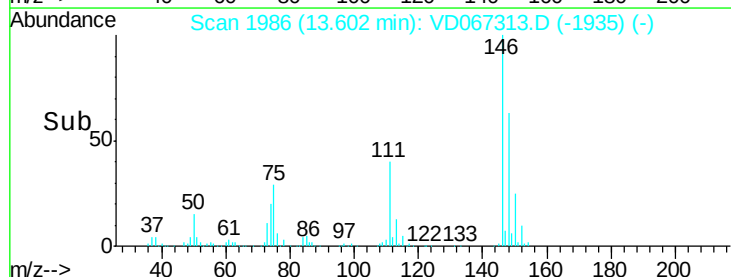
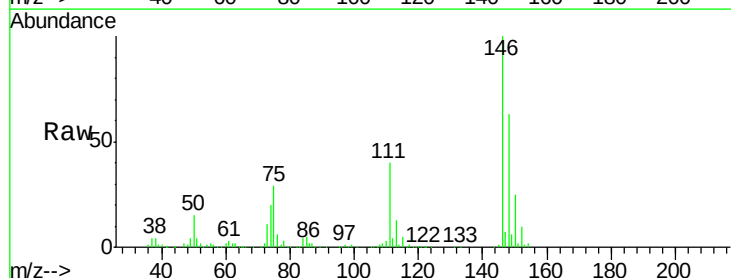
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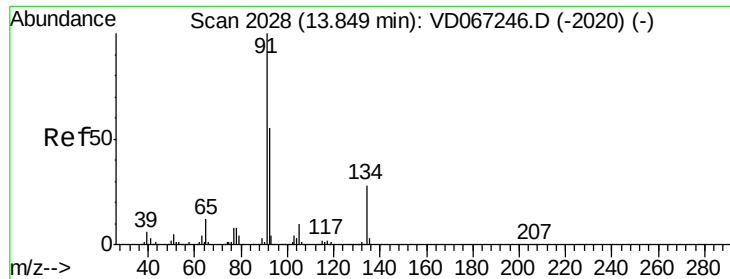
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#88
 1,4-Dichlorobenzene
 Concen: 53.051 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	359525		
111	40.1	19.9	59.7	
148	64.7	31.9	95.9	





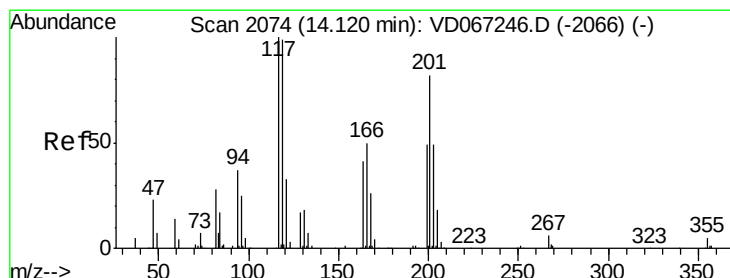
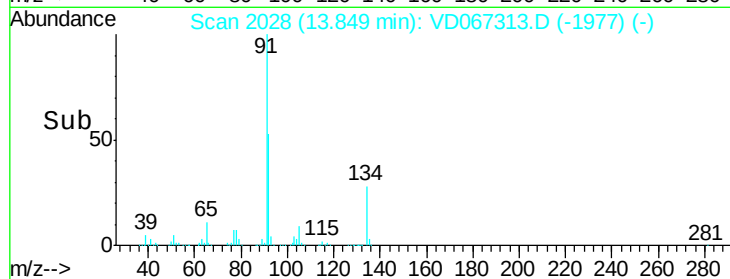
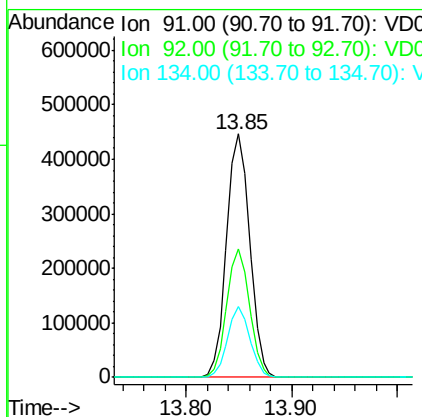
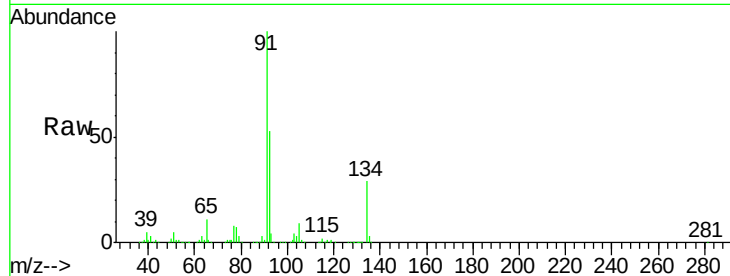
#89
n-Butylbenzene
Concen: 56.957 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.7	80.0
134	27.8	14.2	42.6

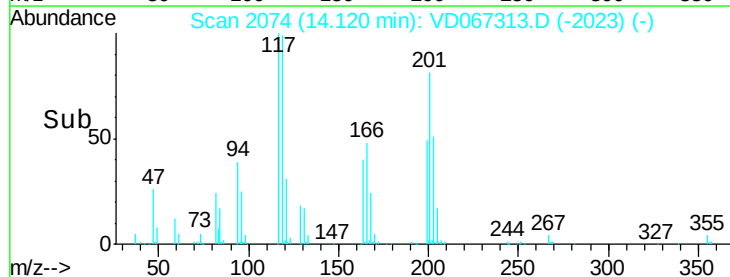
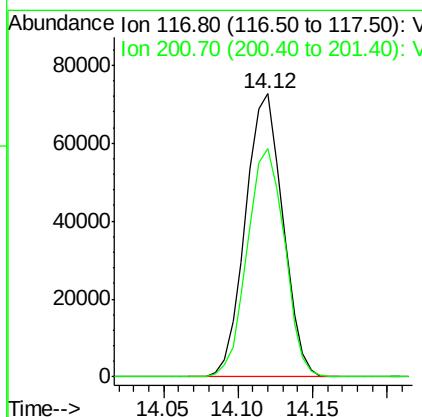
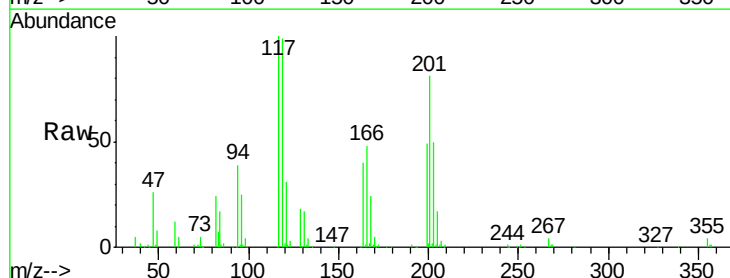
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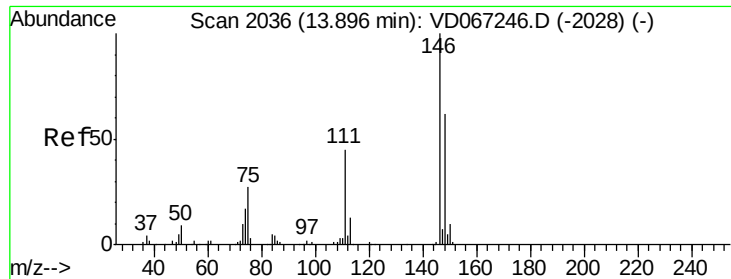
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#90
Hexachloroethane
Concen: 53.317 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	40.8	122.2





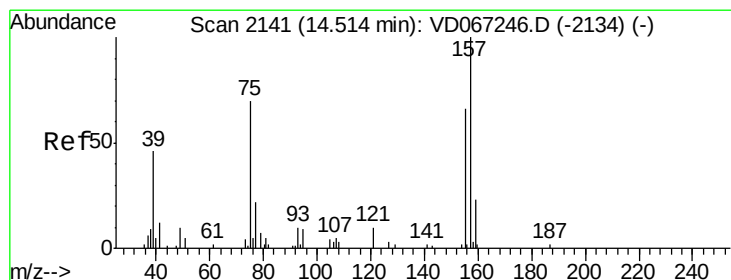
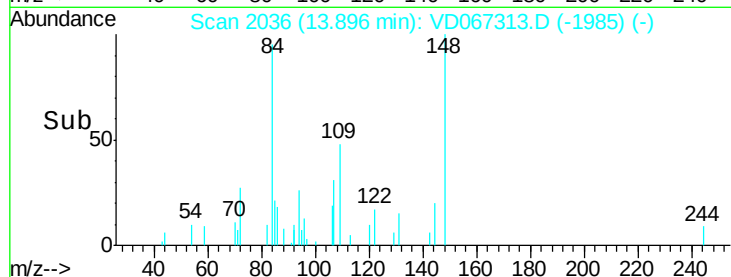
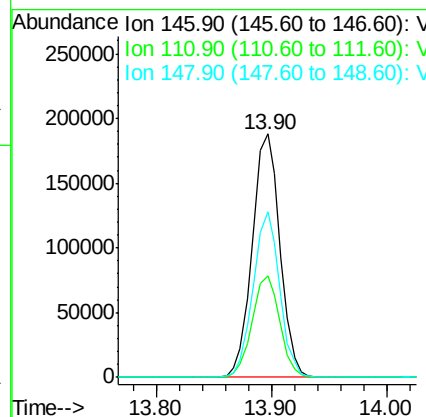
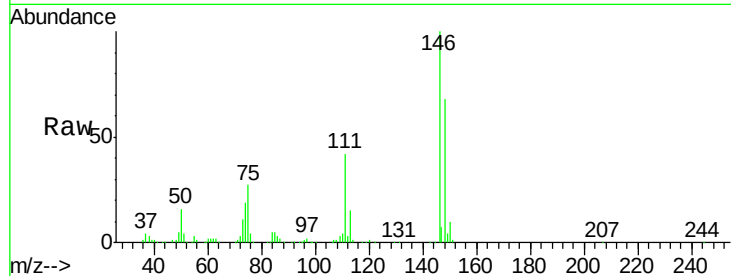
#91
 1,2-Dichlorobenzene
 Concen: 52.483 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	22.0	66.0
148	65.2	32.5	97.5

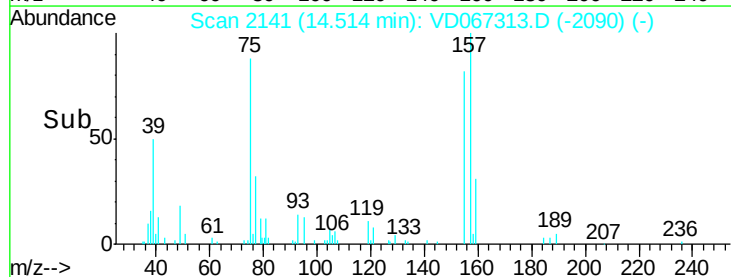
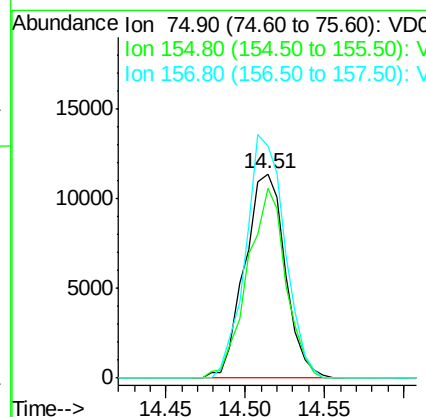
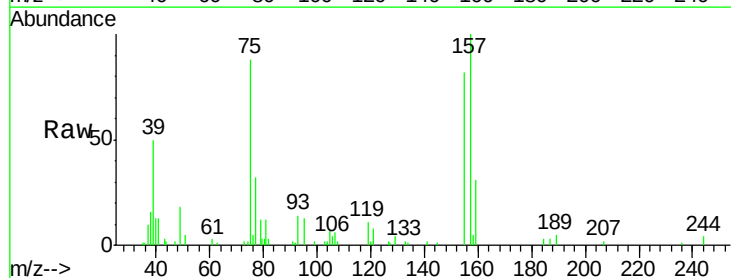
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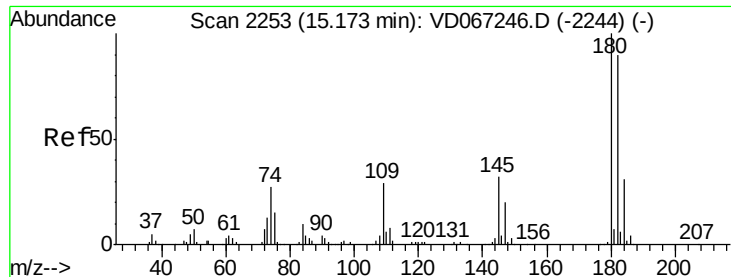
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.807 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	44.8	134.4
157	115.4	62.5	187.4





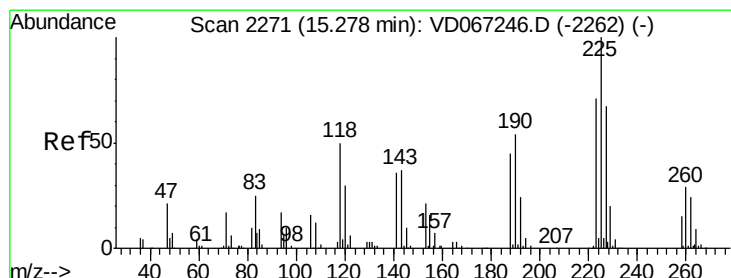
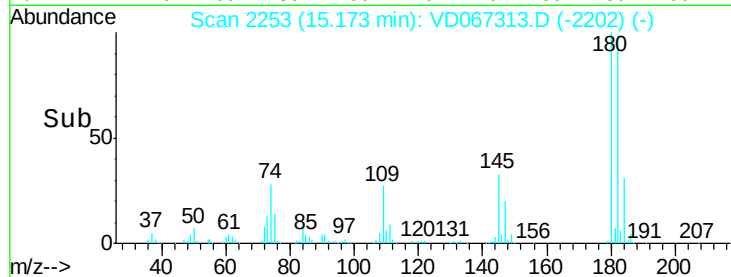
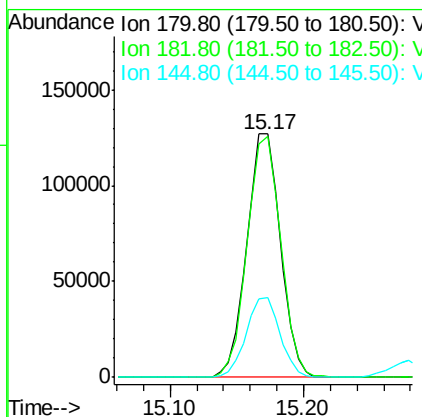
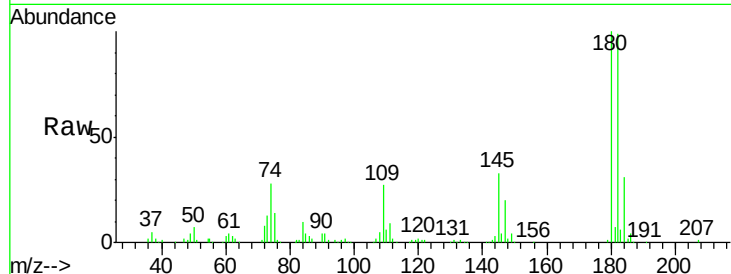
#93
1,2,4-Trichlorobenzene
Concen: 54.822 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	220870		
182	98.7	48.1	144.4	
145	33.0	16.3	48.9	

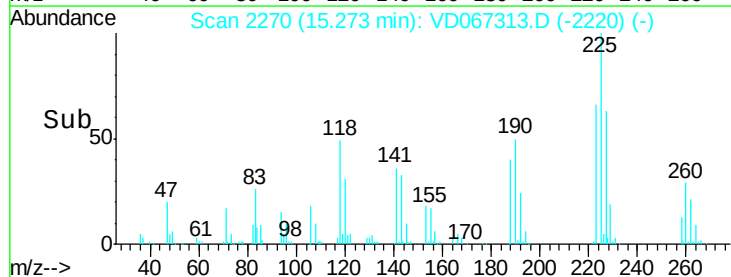
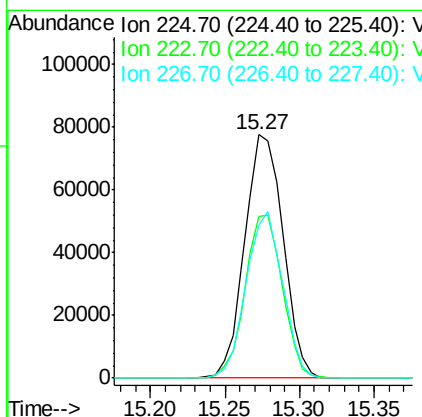
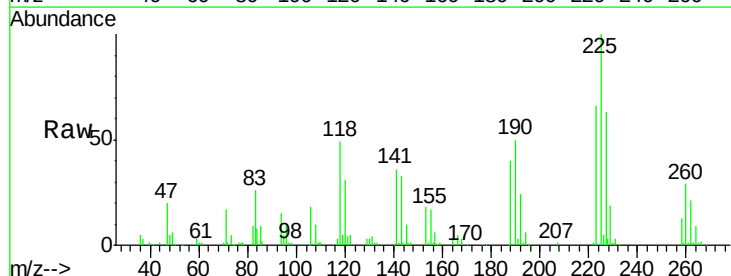
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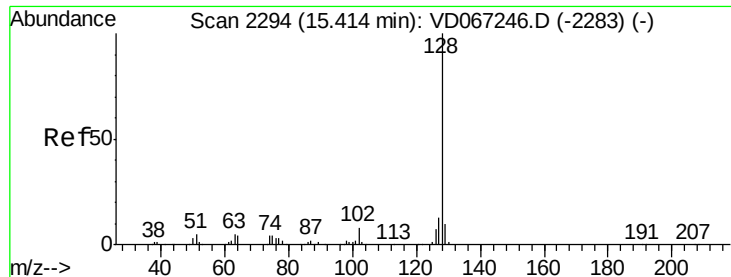
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#94
Hexachlorobutadiene
Concen: 55.251 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138231		
223	65.0	31.9	95.7	
227	64.9	31.2	93.6	





#95

Naphthalene

Concen: 55.459 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

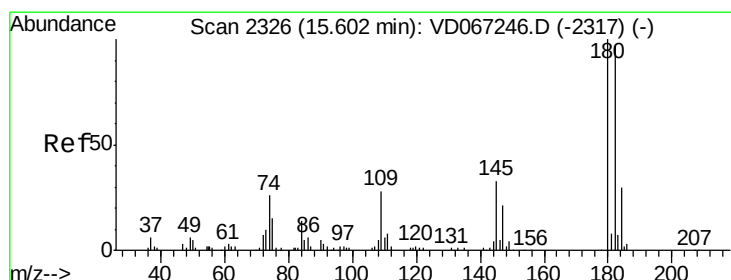
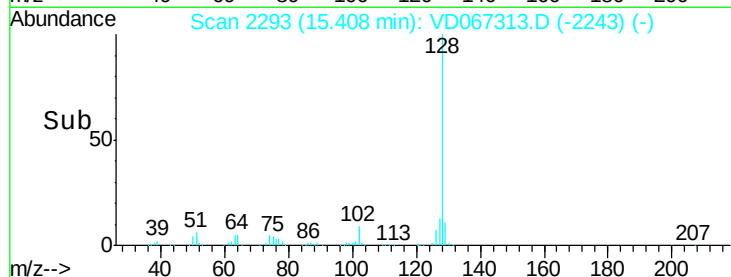
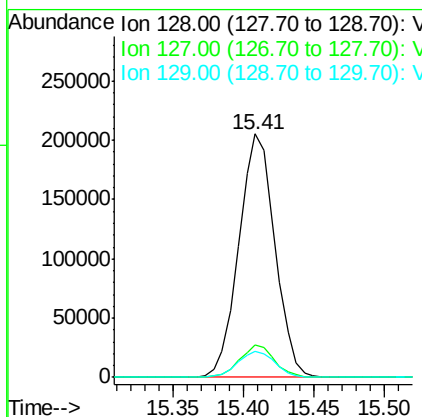
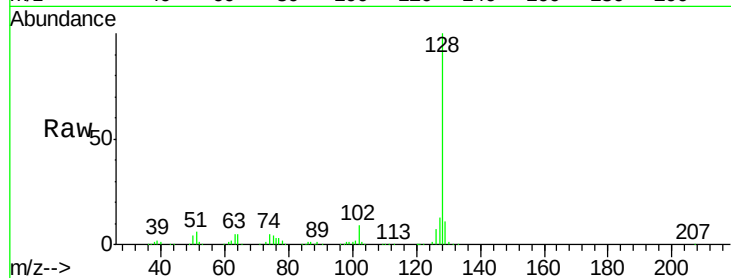
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	366847
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/21/2020 2:51:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.236 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Tgt Ion:	180	Resp:	192256
Ion Ratio		Lower	Upper
180	100		
182	96.6	48.1	144.3
145	34.3	17.3	51.9

