

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112520\
 Data File : VD067781.D
 Acq On : 25 Nov 2020 12:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/30/2020 9:58:56 AM

Quant Time: Nov 26 01:55:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	255496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	371157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	333497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	127551	51.34	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.68%
35) Dibromofluoromethane	7.91	113	119061	50.41	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.82%
50) Toluene-d8	10.34	98	431447	49.96	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.92%
62) 4-Bromofluorobenzene	12.64	95	148763	50.40	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	112926	50.789	ug/l	96
3) Chloromethane	2.21	50	60811	49.128	ug/l	95
4) Vinyl Chloride	2.35	62	74549	48.063	ug/l	99
5) Bromomethane	2.77	94	67361	50.973	ug/l	95
6) Chloroethane	2.93	64	49627	48.006	ug/l	100
7) Trichlorofluoromethane	3.27	101	229590	48.506	ug/l	100
8) Diethyl Ether	3.70	74	43964	46.005	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	109245	48.199	ug/l	99
10) Methyl Iodide	4.30	142	116074	50.034	ug/l	99
11) Tert butyl alcohol	5.21	59	27498	202.729	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	101208	48.257	ug/l	97
13) Acrolein	3.91	56	21400	207.829	ug/l	94
14) Allyl chloride	4.71	41	95899	47.303	ug/l	95
15) Acrylonitrile	5.43	53	76747	230.584	ug/l	94
16) Acetone	4.15	43	83386	259.826	ug/l	90
17) Carbon Disulfide	4.41	76	289282	47.690	ug/l	99
18) Methyl Acetate	4.71	43	27394	42.428	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	213884	47.718	ug/l	100
20) Methylene Chloride	4.97	84	108688	43.858	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	114671	48.093	ug/l	91
22) Diisopropyl ether	6.36	45	196412	49.080	ug/l	95
23) Vinyl Acetate	6.30	43	566793	251.082	ug/l	96
24) 1,1-Dichloroethane	6.27	63	167158	49.268	ug/l	98
25) 2-Butanone	7.21	43	84770	235.387	ug/l	99
26) 2,2-Dichloropropane	7.20	77	192936	48.202	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	123298	48.514	ug/l	99
28) Bromochloromethane	7.55	49	55537	51.101	ug/l	100
29) Tetrahydrofuran	7.56	42	48166	235.236	ug/l	95
30) Chloroform	7.71	83	217034	48.918	ug/l	94
31) Cyclohexane	7.99	56	136107	45.281	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	229098	48.757	ug/l	100
36) 1,1-Dichloropropene	8.11	75	152120	47.762	ug/l	99
37) Ethyl Acetate	7.29	43	34057	39.767	ug/l	96
38) Carbon Tetrachloride	8.10	117	229988	49.816	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	185991	49.346	ug/l	96
40) Benzene	8.36	78	426479	48.755	ug/l	98
41) Methacrylonitrile	7.53	41	18364m	41.993	ug/l	
42) 1,2-Dichloroethane	8.43	62	145142	48.902	ug/l	100
43) Isopropyl Acetate	8.46	43	76485	44.721	ug/l #	79
44) Trichloroethene	9.11	130	139836	48.234	ug/l	99
45) 1,2-Dichloropropane	9.39	63	85244	47.493	ug/l	93
46) Dibromomethane	9.48	93	59479	48.675	ug/l	97
47) Bromodichloromethane	9.67	83	170224	50.025	ug/l	98
48) Methyl methacrylate	9.46	41	38491	45.017	ug/l	96
49) 1,4-Dioxane	9.47	88	12092	913.105	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	186045	231.177	ug/l	98
52) Toluene	10.41	92	294443	49.619	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	141353	47.548	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	162369	48.261	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	77661	47.366	ug/l	99
56) Ethyl methacrylate	10.66	69	80006	47.132	ug/l	98
57) 1,3-Dichloropropane	10.95	76	122562	47.410	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	206734	260.649	ug/l	100
59) 2-Hexanone	10.98	43	135222	237.986	ug/l	99
60) Dibromochloromethane	11.14	129	121511	48.634	ug/l	99
61) 1,2-Dibromoethane	11.25	107	77205	47.790	ug/l	97
64) Tetrachloroethene	10.88	164	124938	48.268	ug/l	91
65) Chlorobenzene	11.67	112	326772	49.854	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	133494	50.349	ug/l	98
67) Ethyl Benzene	11.75	91	570387	50.407	ug/l	99
68) m/p-Xylenes	11.86	106	443452	100.705	ug/l	99
69) o-Xylene	12.18	106	203068	50.649	ug/l	100
70) Styrene	12.20	104	351210	51.428	ug/l	98
71) Bromoform	12.36	173	67736	47.061	ug/l #	97
73) Isopropylbenzene	12.48	105	573653	51.084	ug/l	100
74) N-amyl acetate	12.29	43	67346	45.477	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	71189	47.237	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	54861m	46.121	ug/l	
77) Bromobenzene	12.77	156	139661	49.683	ug/l	99
78) n-propylbenzene	12.82	91	636355	50.935	ug/l	99
79) 2-Chlorotoluene	12.91	91	368163	49.773	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	499736	51.165	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	24164	47.514	ug/l	94
82) 4-Chlorotoluene	13.01	91	398917	50.613	ug/l	100
83) tert-Butylbenzene	13.23	119	419210	49.948	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	489393	50.159	ug/l	100
85) sec-Butylbenzene	13.40	105	556922	50.510	ug/l	98
86) p-Isopropyltoluene	13.52	119	547016	51.221	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	263058	48.353	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	260462	48.331	ug/l	99
89) n-Butylbenzene	13.84	91	463332	50.628	ug/l	100
90) Hexachloroethane	14.11	117	98158	48.282	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	226564	48.343	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14133	43.497	ug/l	86

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QLast Update : Tue Nov 24 00:51:35 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	159412	48.040	ug/l	98
94) Hexachlorobutadiene	15.27	225	107463	50.686	ug/l	98
95) Naphthalene	15.40	128	259848	48.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	137468	48.634	ug/l	100

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

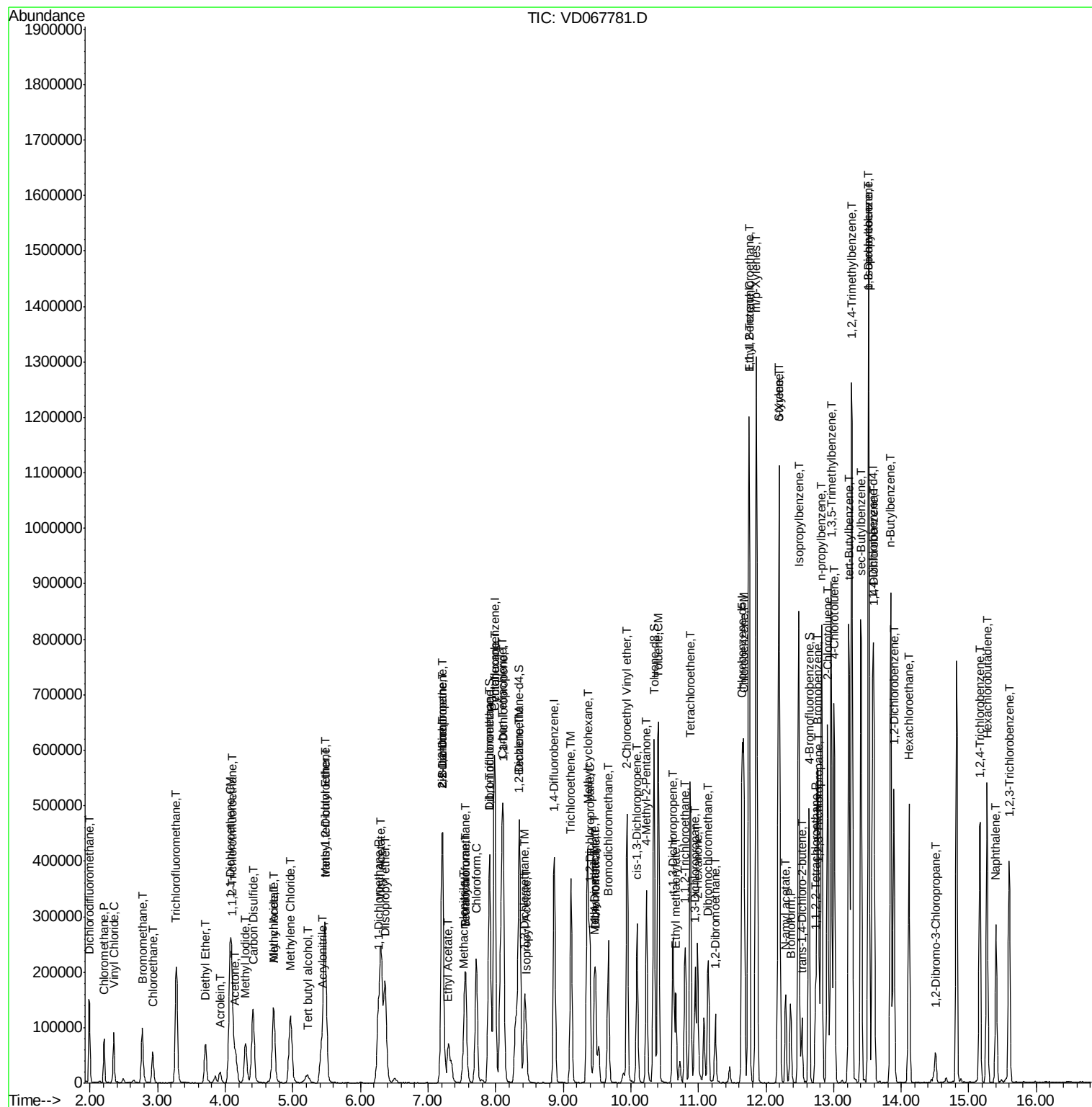
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112520\
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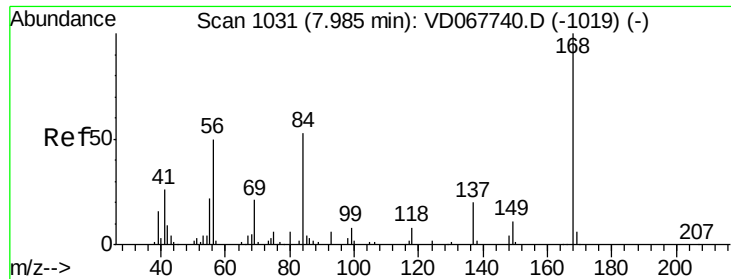
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 255496

Ion Ratio Lower Upper

168 100

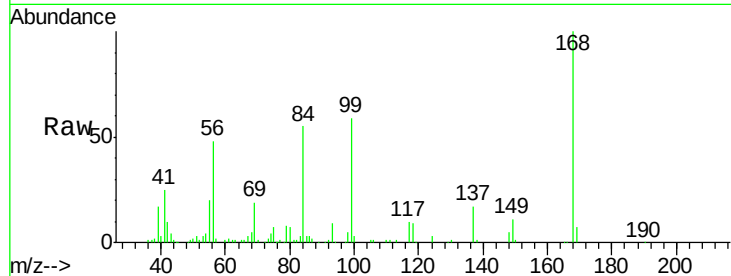
99 58.9 43.8 65.8

Manual Integrations

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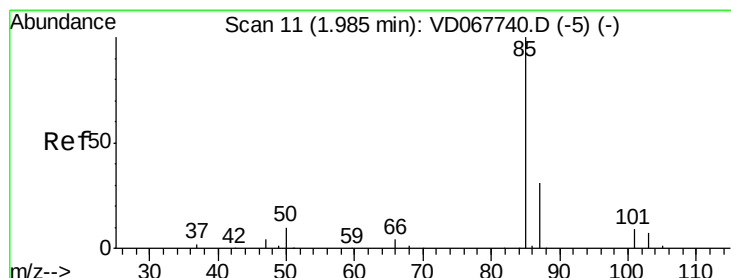
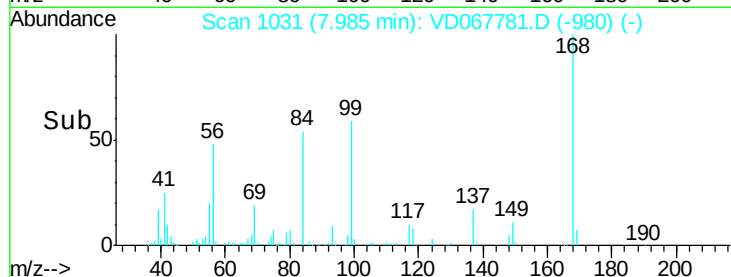
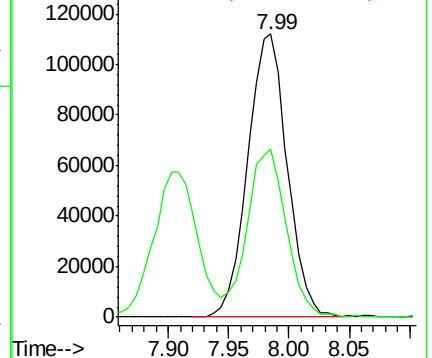
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.789 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067781.D

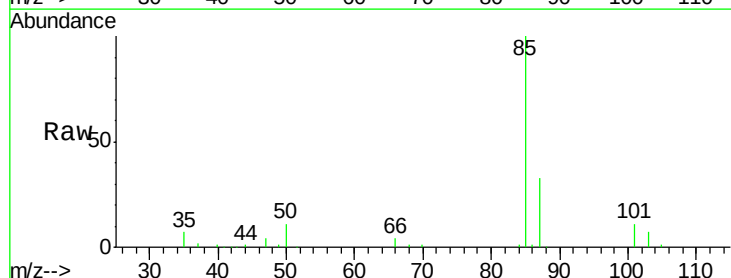
Acq: 25 Nov 2020 12:21

Tgt Ion: 85 Resp: 112926

Ion Ratio Lower Upper

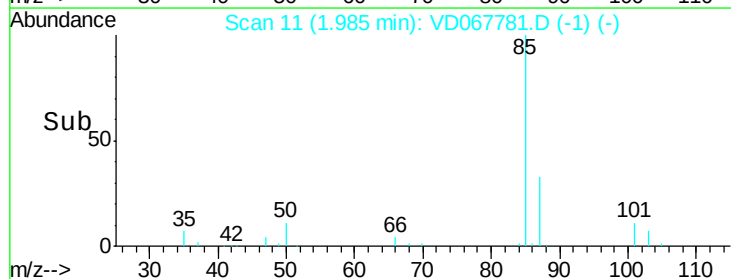
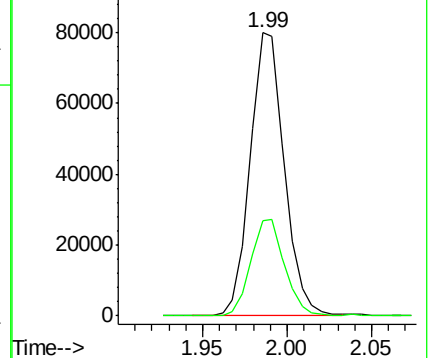
85 100

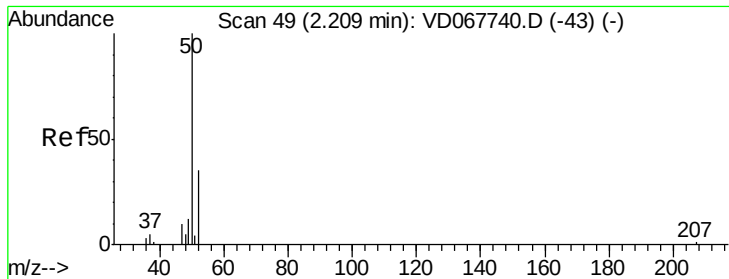
87 33.5 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.128 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 60811

Ion Ratio Lower Upper

50 100

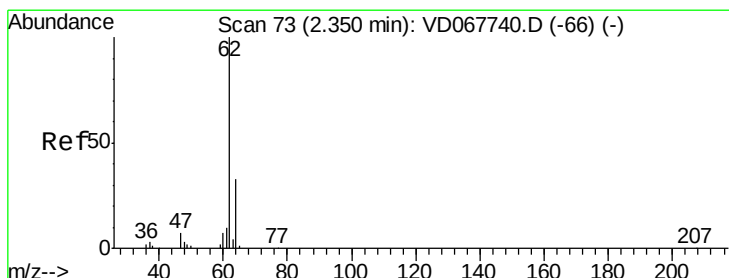
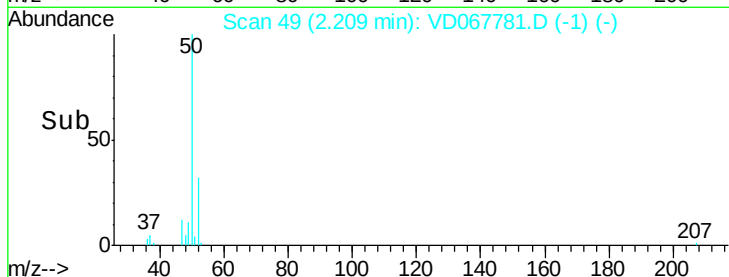
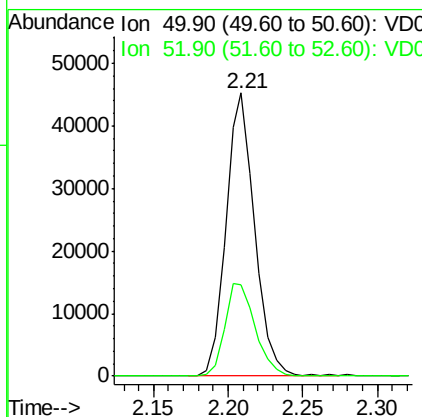
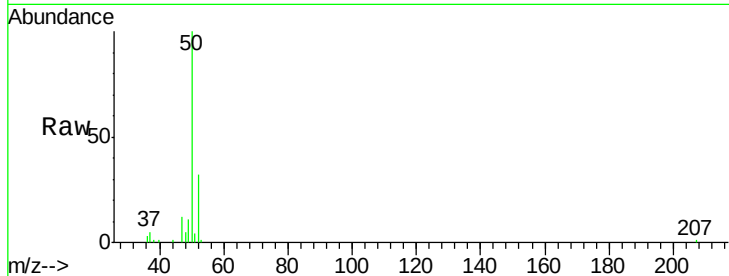
52 32.1 27.8 41.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.063 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067781.D

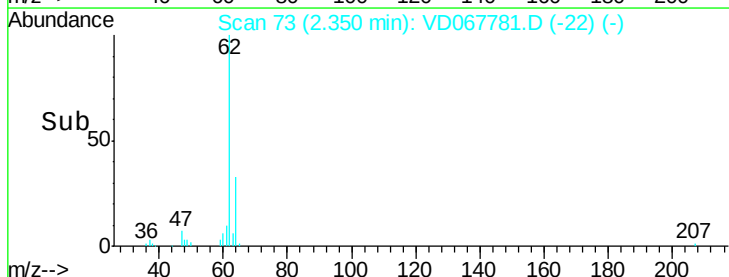
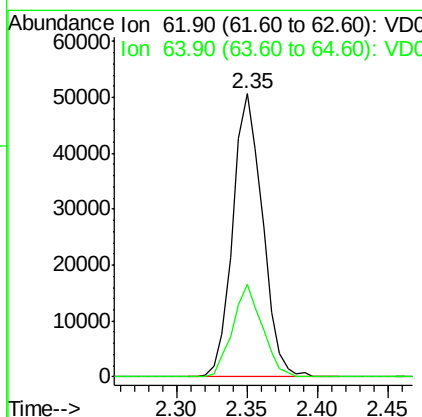
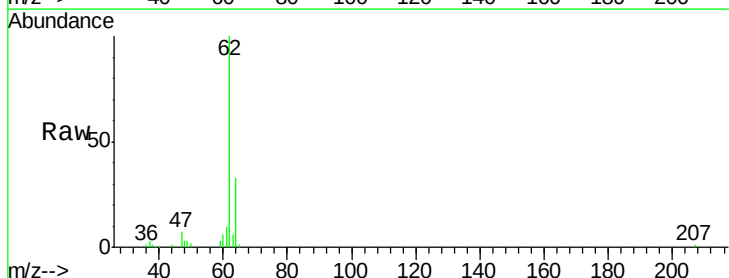
Acq: 25 Nov 2020 12:21

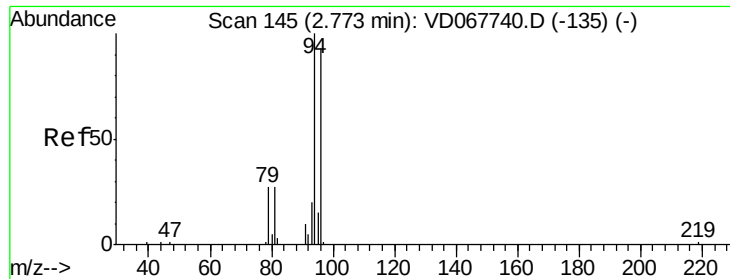
Tgt Ion: 62 Resp: 74549

Ion Ratio Lower Upper

62 100

64 32.6 26.6 40.0





#5

Bromomethane

Concen: 50.973 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

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Tot Ion: 94 Resp: 67361

Ion Ratio Lower Upper

94 100

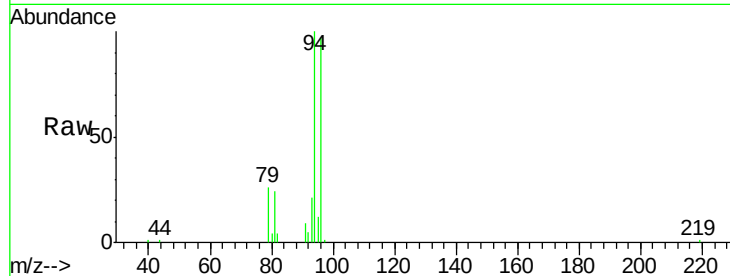
96 97.2 74.0 111.0

Manual Integrations

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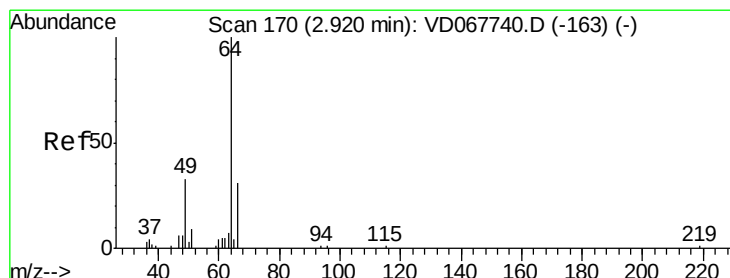
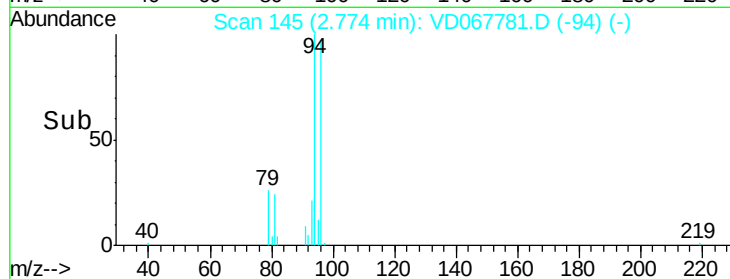
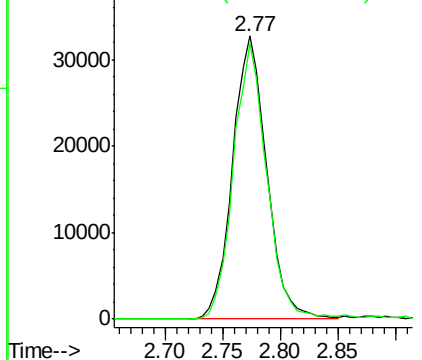
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.006 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067781.D

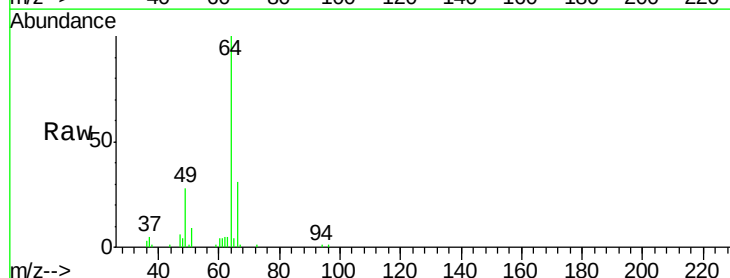
Acq: 25 Nov 2020 12:21

Tgt Ion: 64 Resp: 49627

Ion Ratio Lower Upper

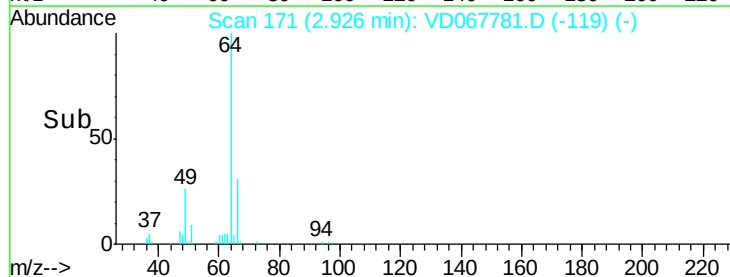
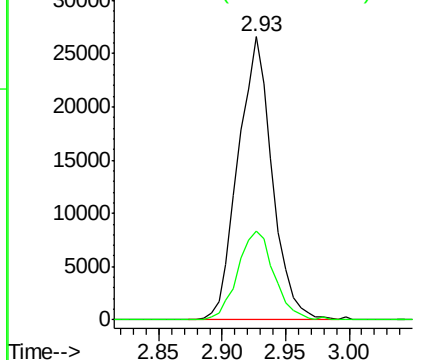
64 100

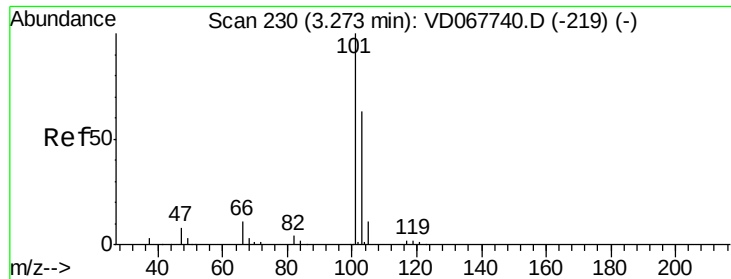
66 31.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

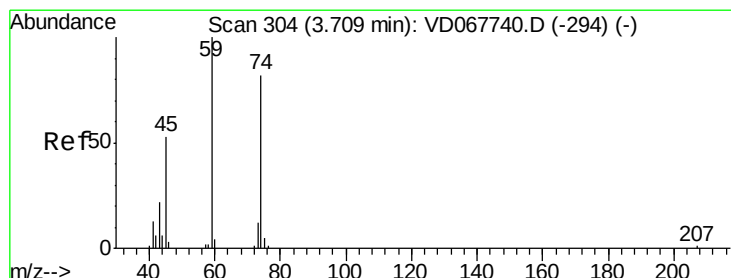
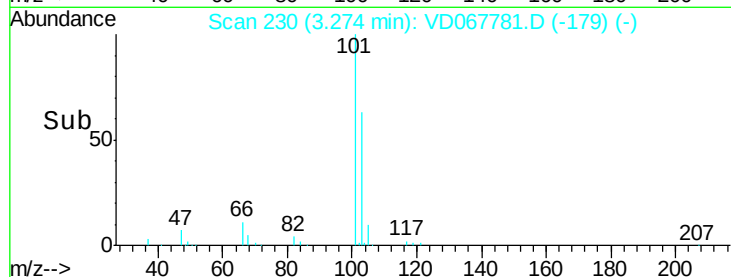
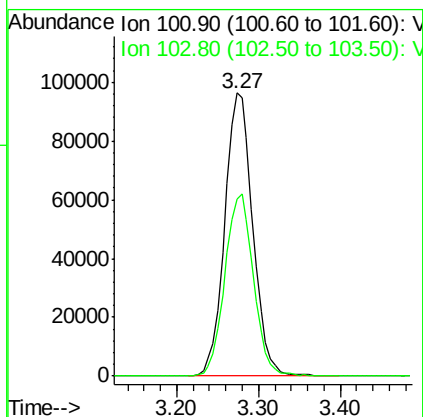
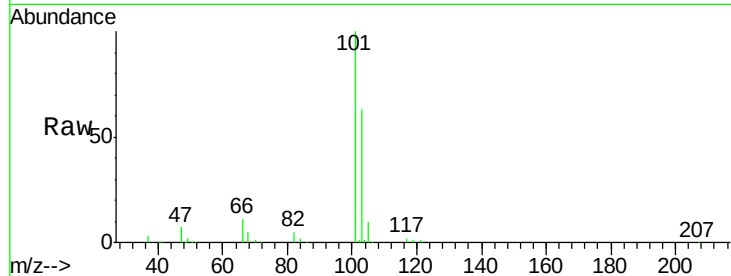
Trichlorofluoromethane
 Concen: 48.506 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.3	75.5

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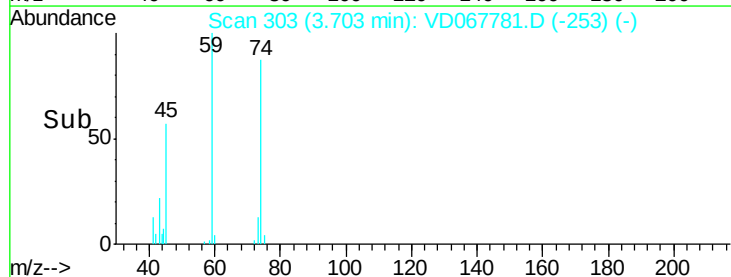
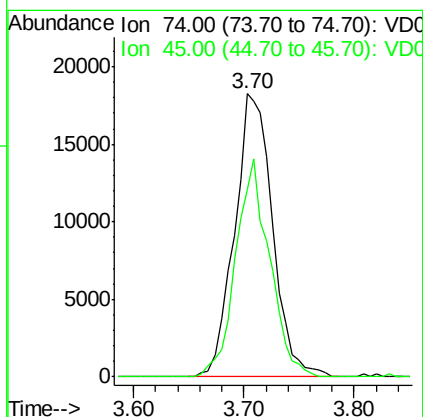
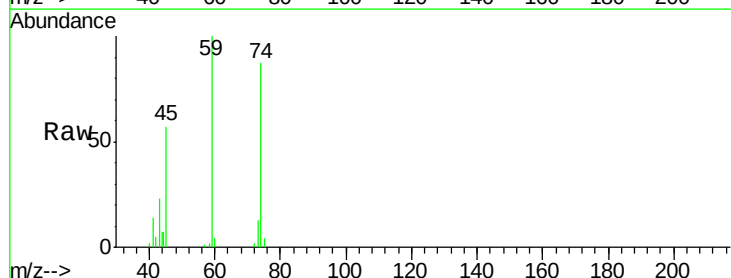
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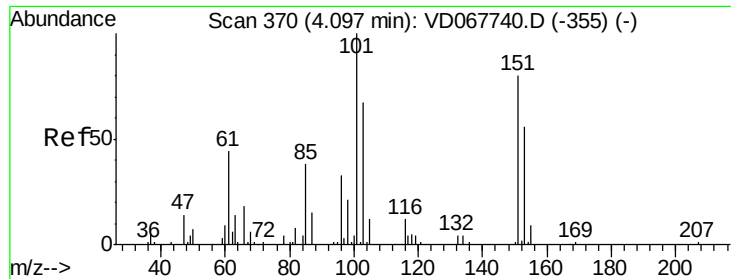


#8

Diethyl Ether
 Concen: 46.005 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	68.8	35.9	107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.199 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

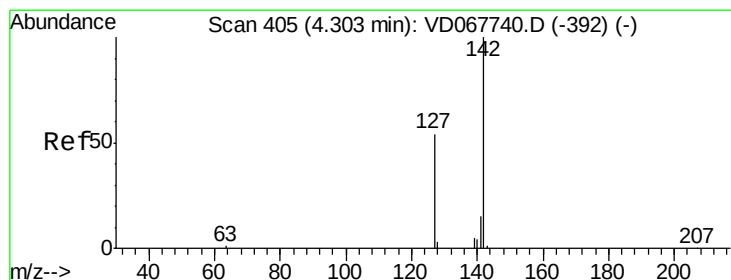
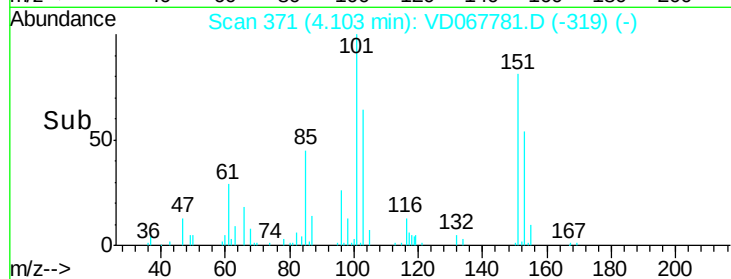
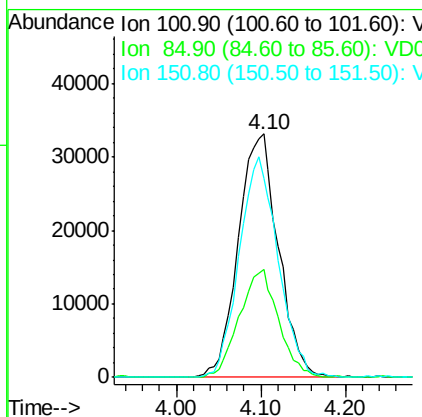
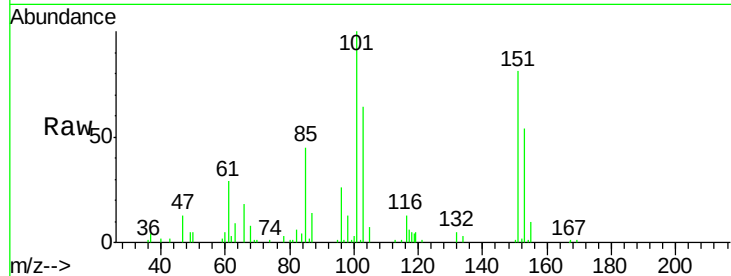
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	109245
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.5	53.3
151	87.6	69.4	104.0

Manual Integrations
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#10

Methyl Iodide

Concen: 50.034 ug/l

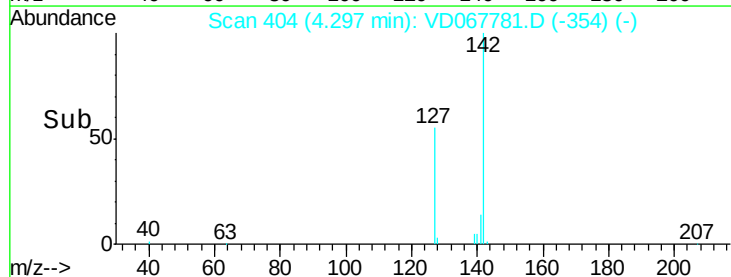
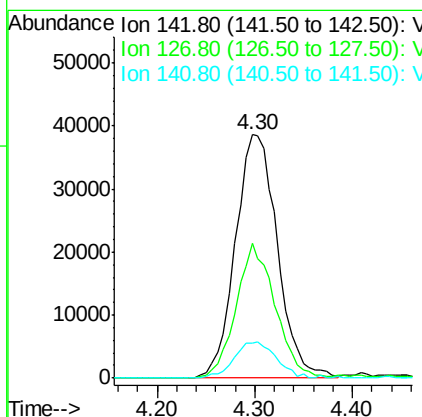
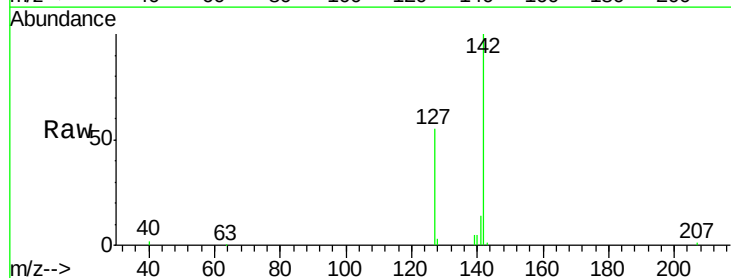
RT: 4.30 min Scan# 404

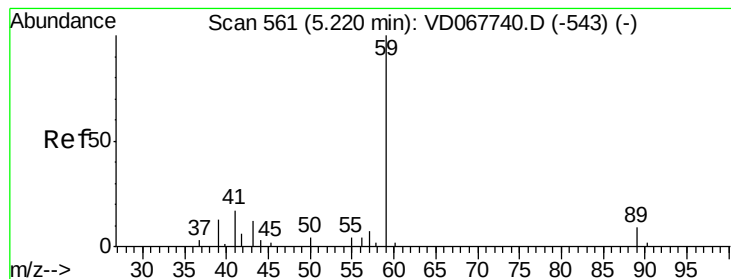
Delta R.T. -0.01 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Tgt Ion:	142	Resp:	116074
Ion Ratio	Lower	Upper	
142	100		
127	51.6	42.2	63.2
141	14.8	11.8	17.6





#11

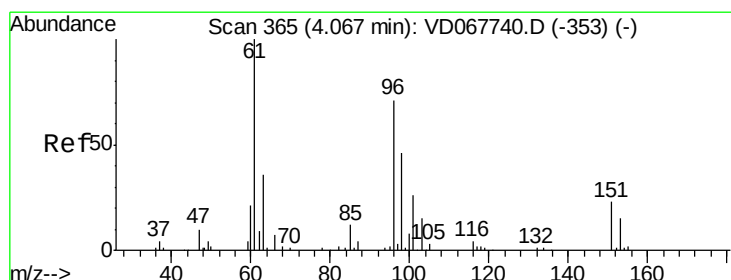
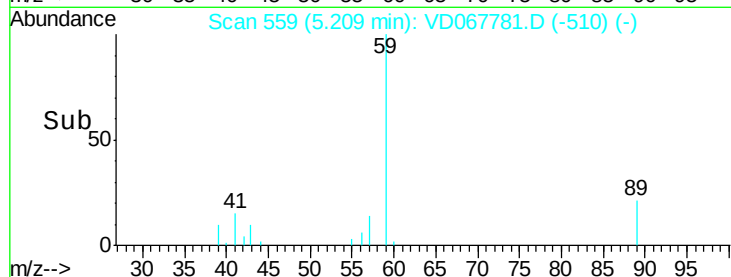
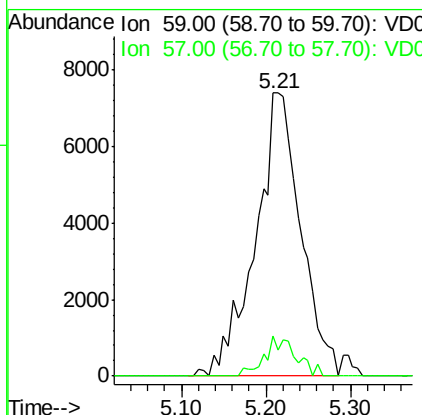
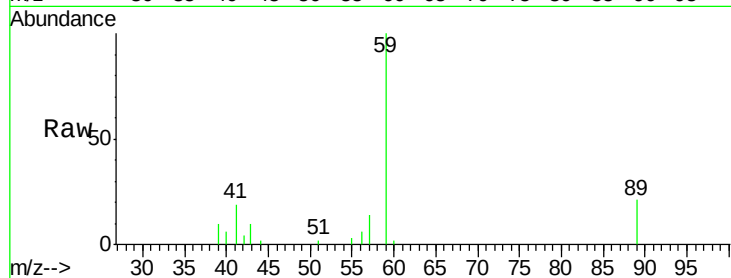
Tert butyl alcohol
 Concen: 202.729 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	57	Ratio	100	9.7	Resp	27498	Lower	3.4	Upper	5.0#

Manual Integrations
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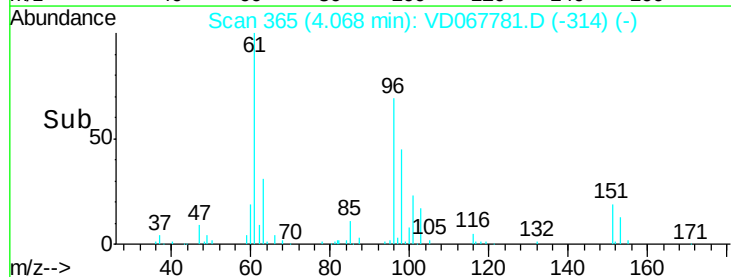
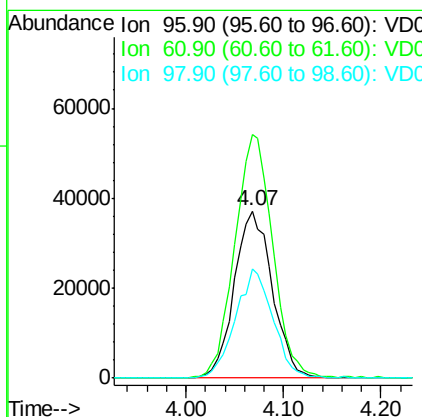
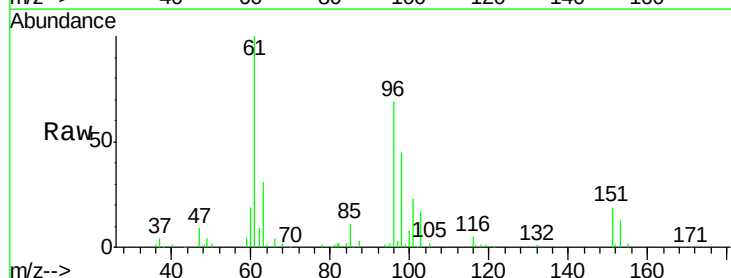
MMDadoda
 11/30/2020 9:58:56 AM

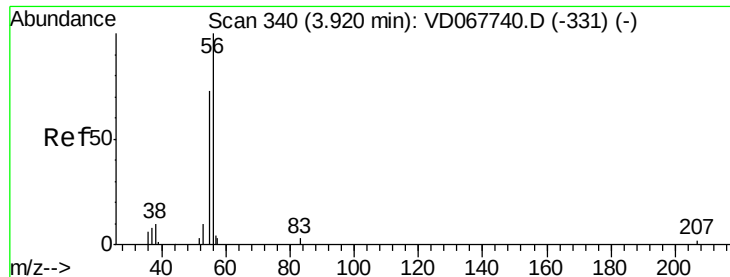


#12

1,1-Dichloroethene
 Concen: 48.257 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Tgt Ion	96	61	98	Ratio	100	145.8	65.4	Resp	101208	Lower	112.9	Upper	169.3	78.6





#13

Acrolein

Concen: 207.829 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 21400

Ion Ratio Lower Upper

56 100

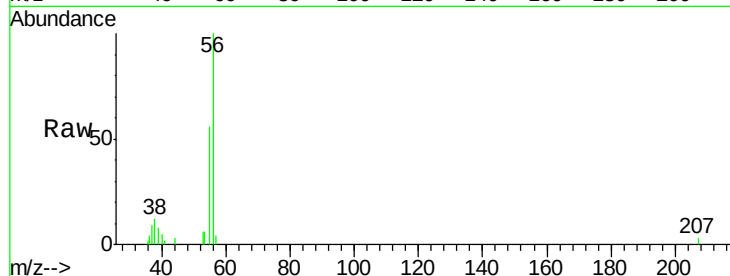
55 71.2 61.2 91.8

Manual Integrations

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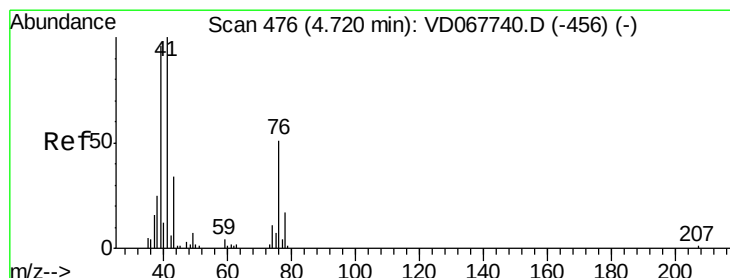
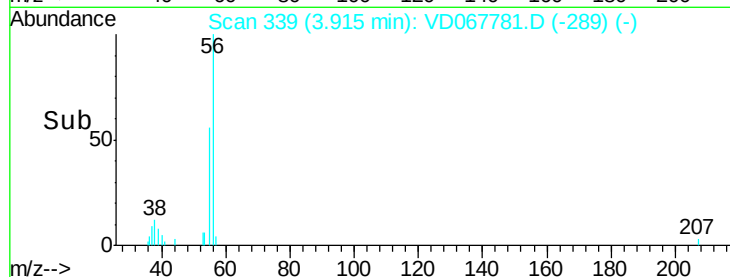
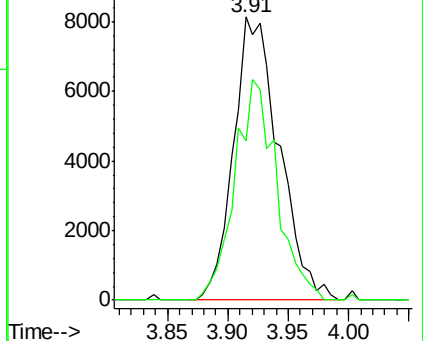
MMDadoda

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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: 47.303 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

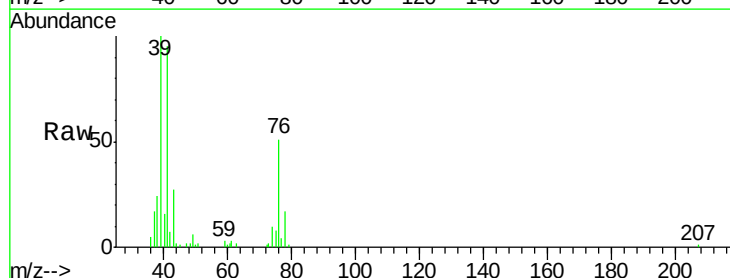
Tgt Ion: 41 Resp: 95899

Ion Ratio Lower Upper

41 100

39 97.9 74.6 111.8

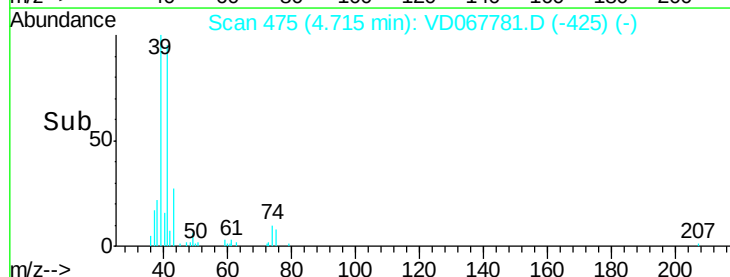
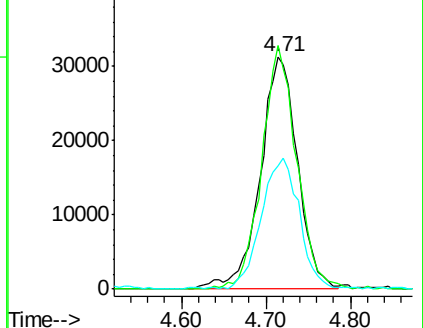
76 57.3 43.3 64.9

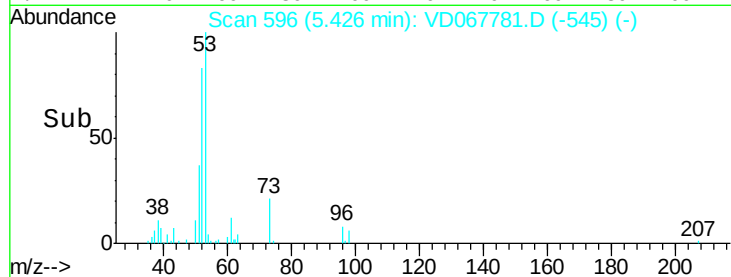
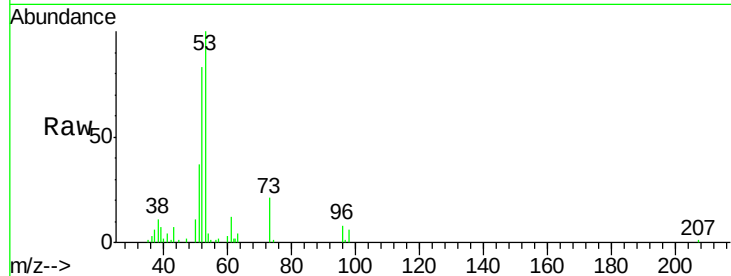
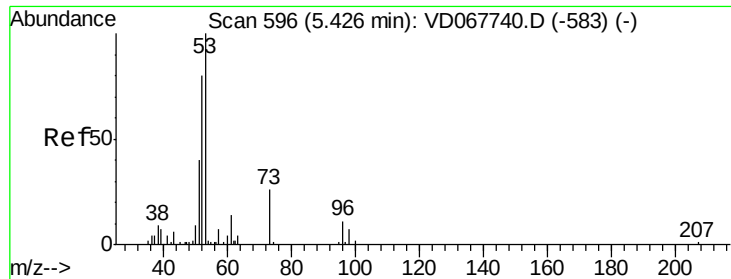


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 230.584 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Tot Ion:	53	Resp:	76747
Ion	Ratio	Lower	Upper
53	100		
52	86.4	63.4	95.2
51	40.6	31.4	47.2

Instrument :

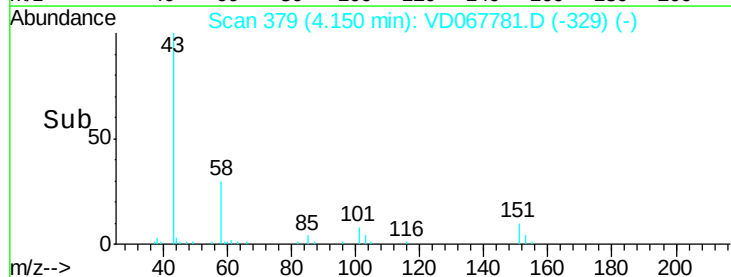
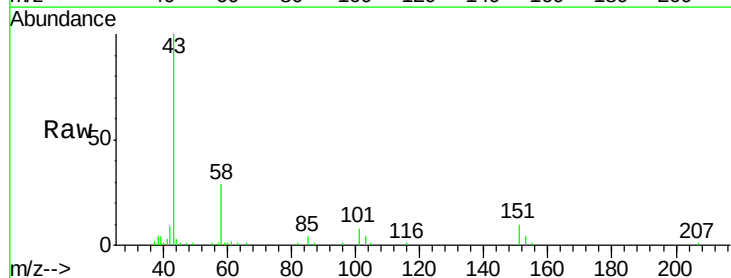
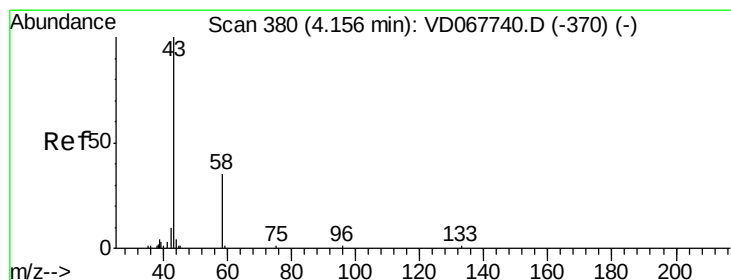
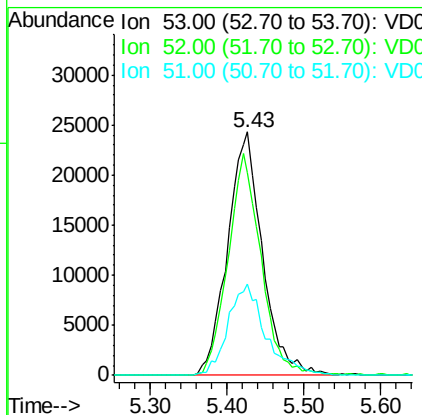
MSVOA_D

ClientSampleId :

VSTDCCC050

Manual Integrations
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#16

Acetone

Concen: 259.826 ug/l

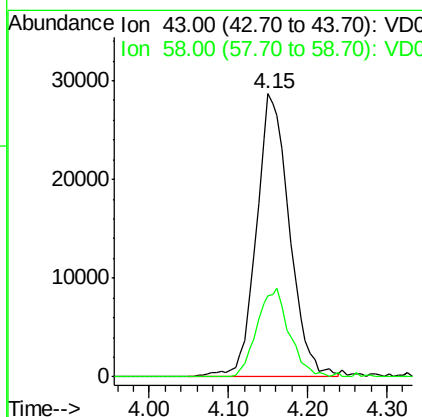
RT: 4.15 min Scan# 379

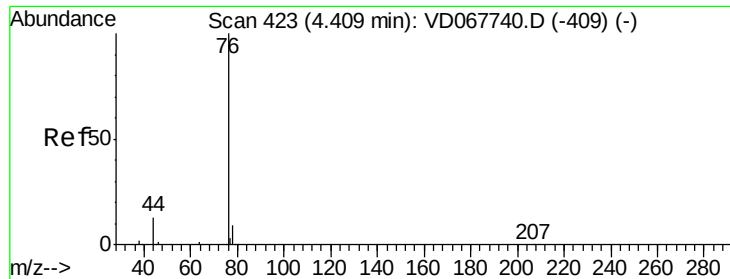
Delta R.T. -0.01 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Tgt Ion:	43	Resp:	83386
Ion	Ratio	Lower	Upper
43	100		
58	28.9	27.6	41.4





#17

Carbon Disulfide

Concen: 47.690 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 289282

Ion Ratio Lower Upper

76 100

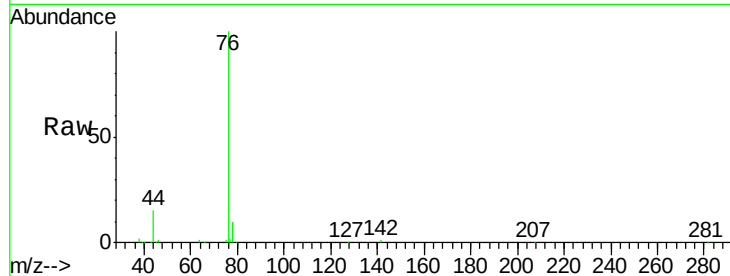
78 9.7 7.5 11.3

Manual Integrations

APPROVED

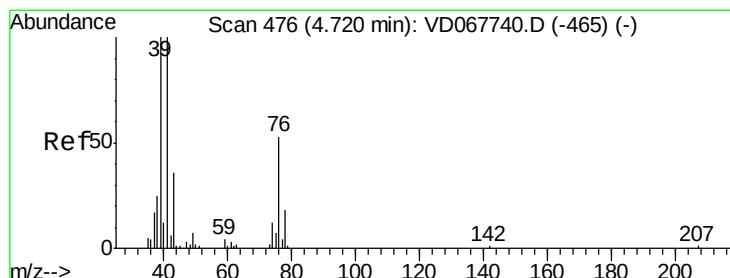
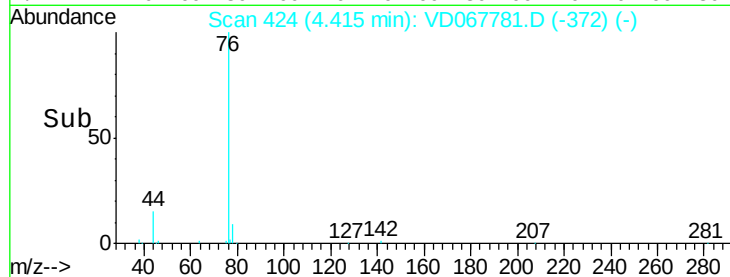
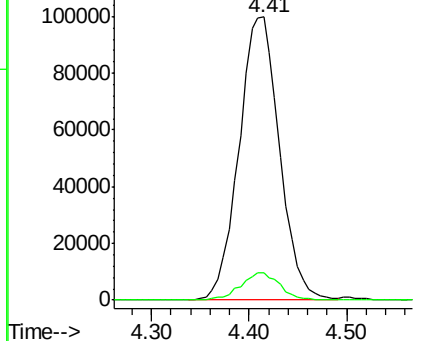
MMDadoda

11/30/2020 9:58:56 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 42.428 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067781.D

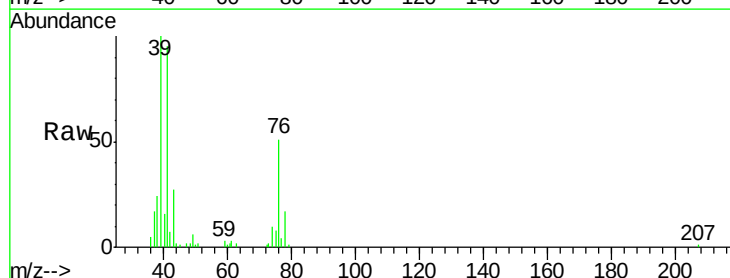
Acq: 25 Nov 2020 12:21

Tgt Ion: 43 Resp: 27394

Ion Ratio Lower Upper

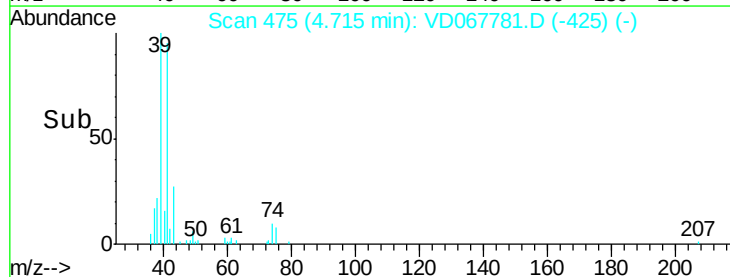
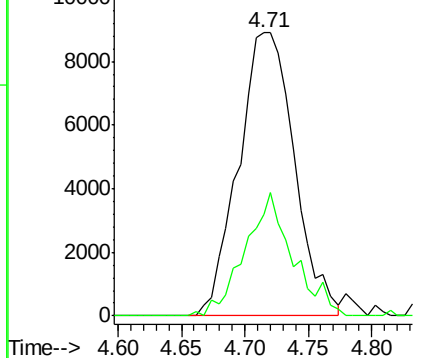
43 100

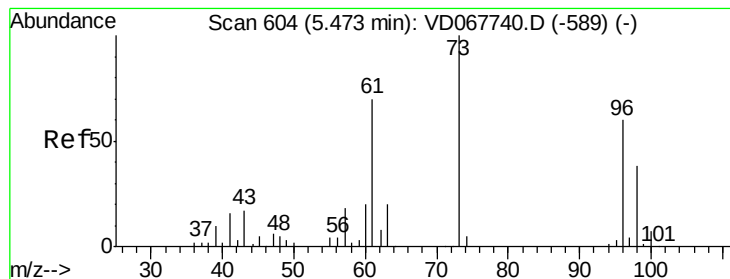
74 37.1 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

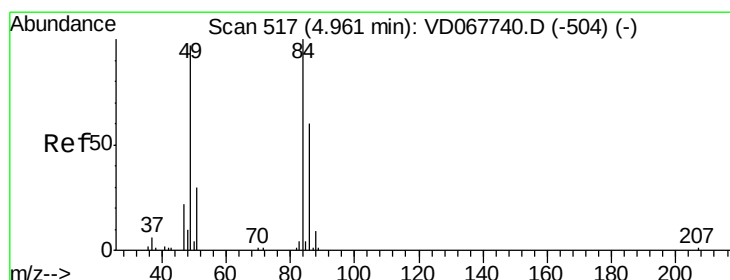
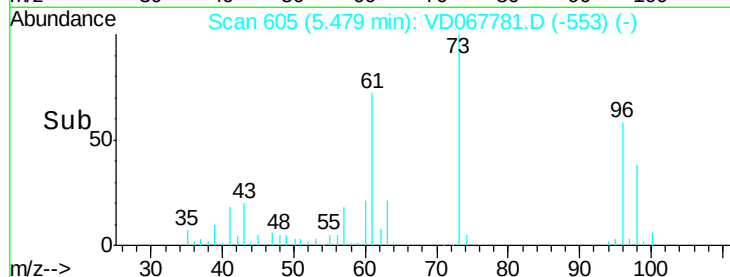
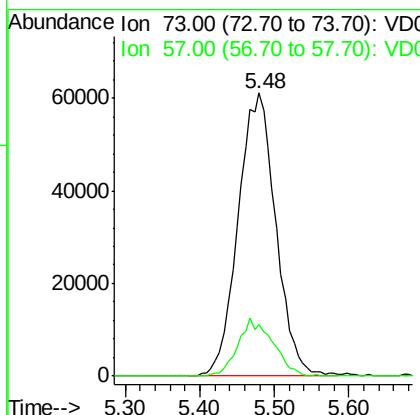
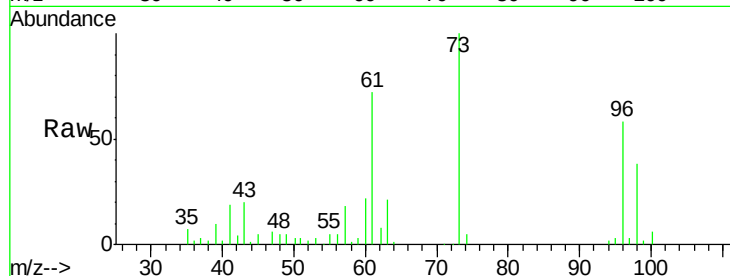
Methyl tert-butyl Ether
 Concen: 47.718 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	14.8	22.2

Manual Integrations
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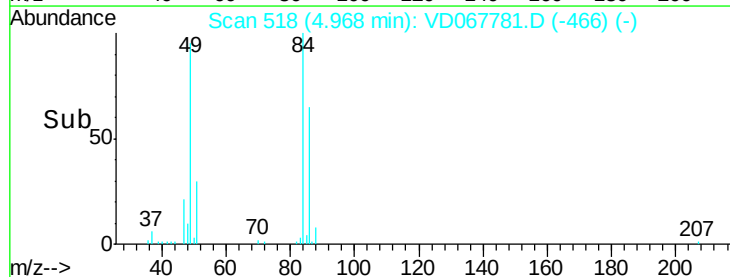
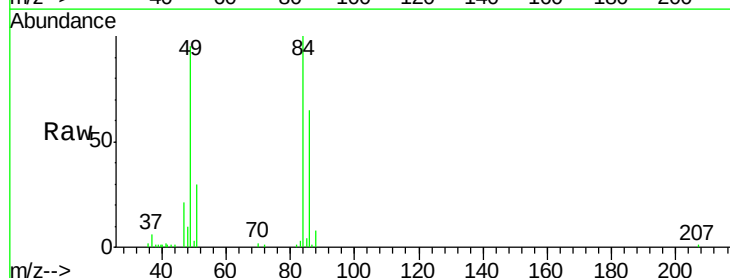
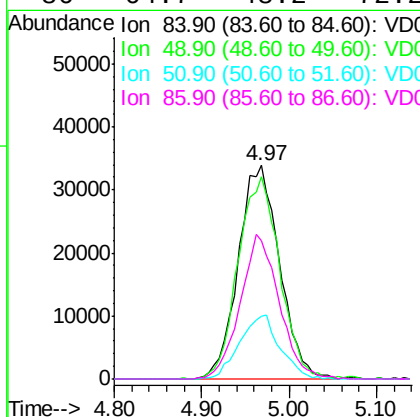
MMDadoda
 11/30/2020 9:58:56 AM

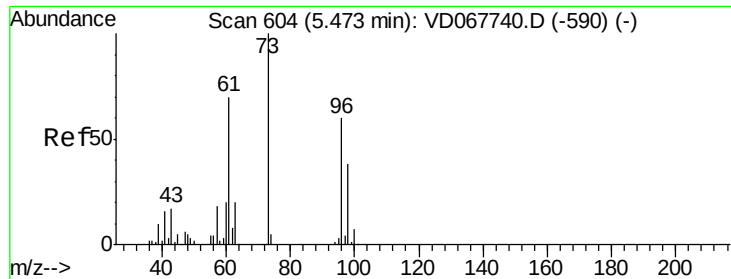


#20

Methylene Chloride
 Concen: 43.858 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	94.9	77.4	116.2
51	29.7	24.1	36.1
86	64.7	48.2	72.2





#21

trans-1,2-Dichloroethene

Concen: 48.093 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

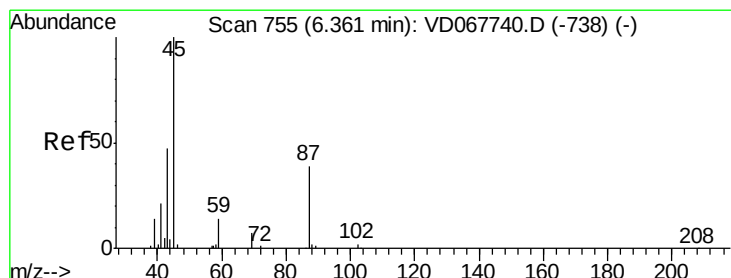
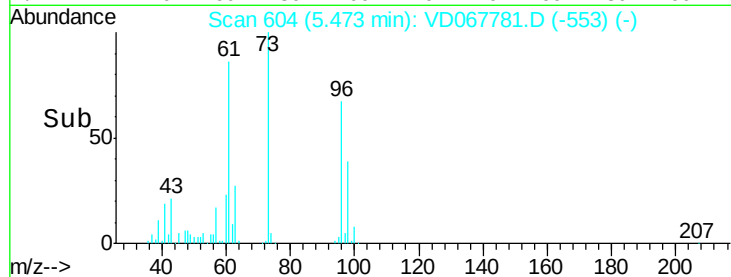
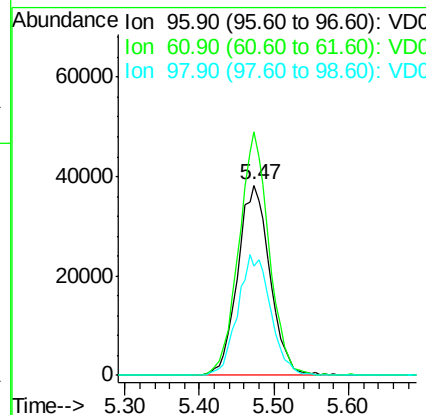
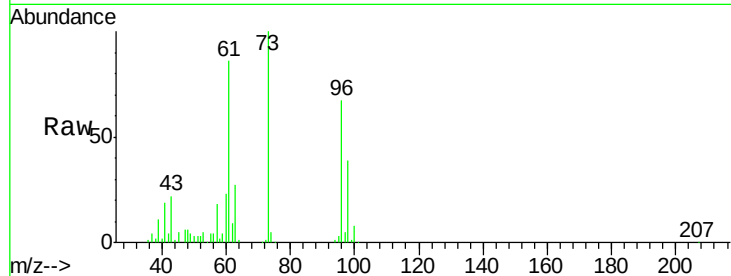
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	114671
Ion	Ratio	Lower	Upper
96	100		
61	128.1	94.0	141.0
98	57.7	51.3	76.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.080 ug/l

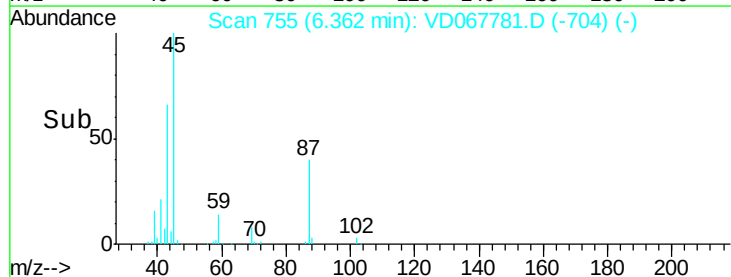
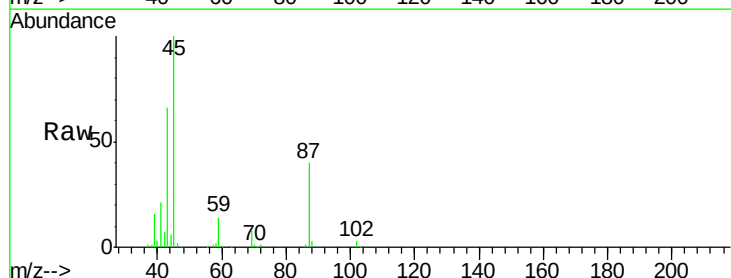
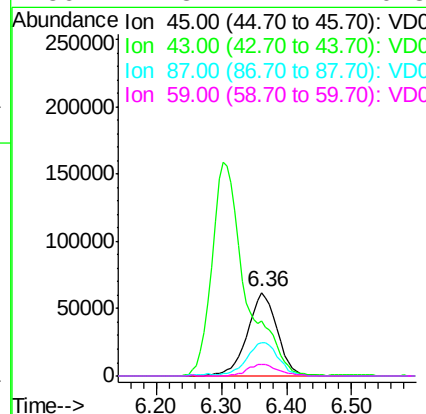
RT: 6.36 min Scan# 755

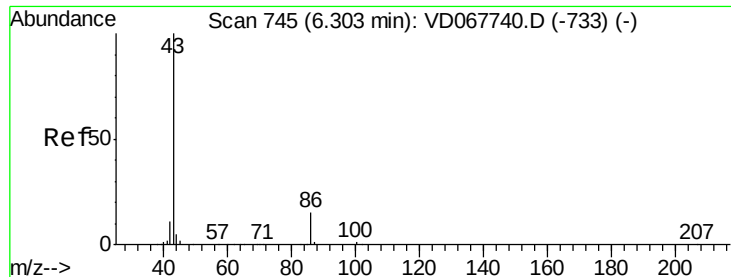
Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Tgt Ion:	45	Resp:	196412
Ion	Ratio	Lower	Upper
45	100		
43	64.3	46.8	70.2
87	40.1	32.9	49.3
59	14.3	11.2	16.8





#23

Vinyl Acetate

Concen: 251.082 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 566793

Ion Ratio Lower Upper

43 100

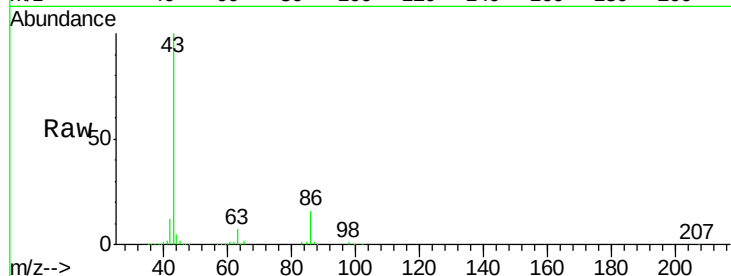
86 16.2 11.7 17.5

Manual Integrations

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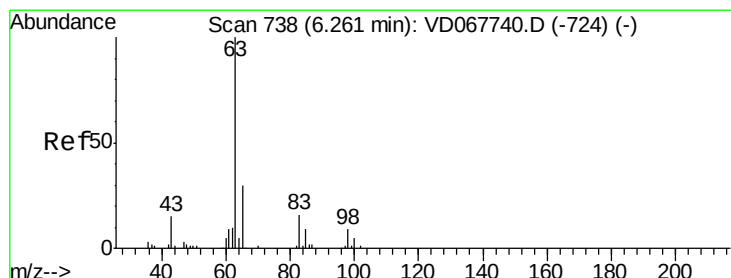
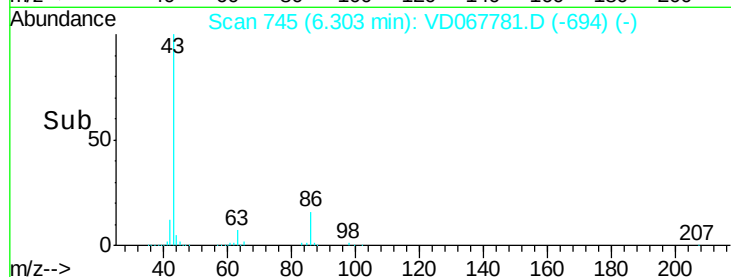
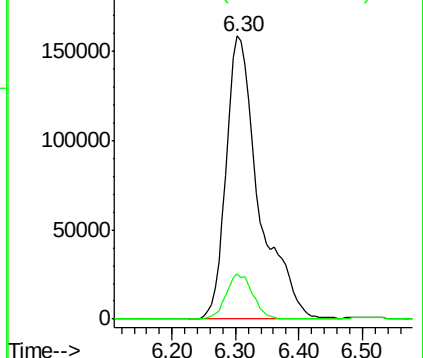
MMDadoda

11/30/2020 9:58:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.268 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

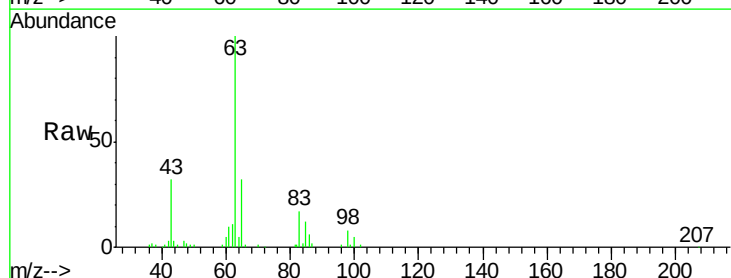
Tgt Ion: 63 Resp: 167158

Ion Ratio Lower Upper

63 100

98 7.8 4.4 13.2

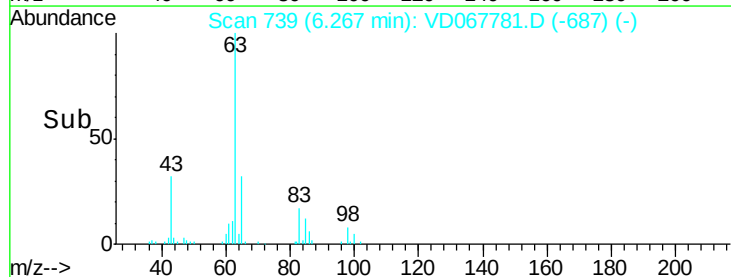
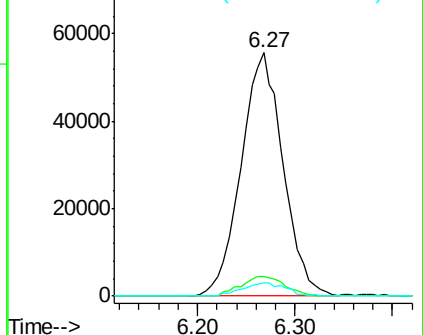
100 5.3 2.6 8.0

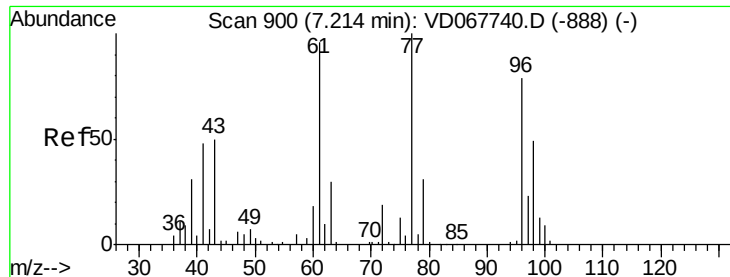


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 235.387 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 84770

Ion Ratio Lower Upper

43 100

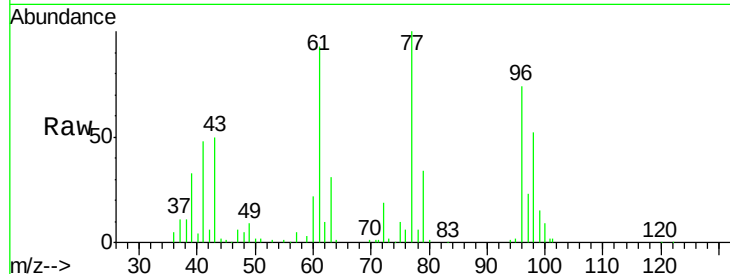
72 37.7 30.8 46.2

Manual Integrations

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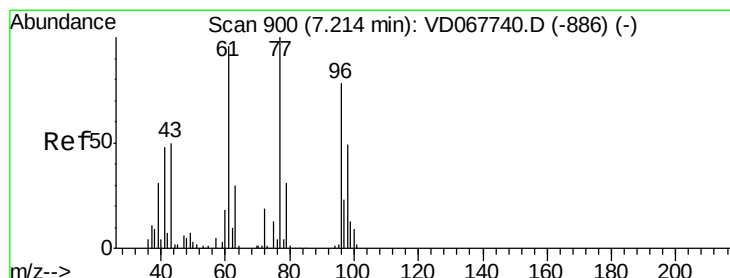
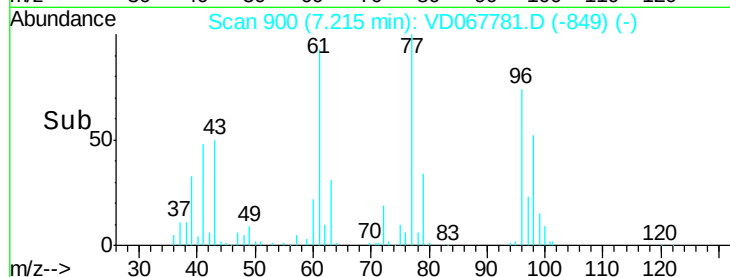
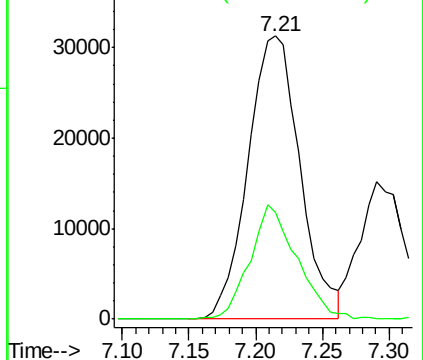
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.202 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067781.D

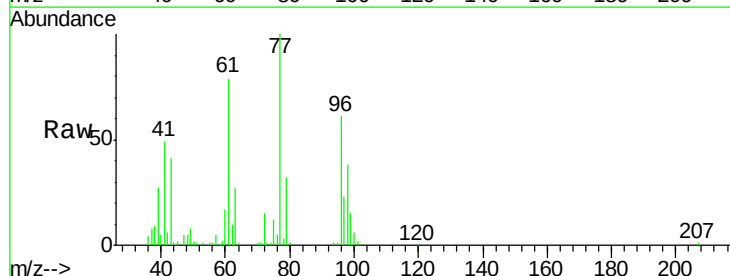
Acq: 25 Nov 2020 12:21

Tgt Ion: 77 Resp: 192936

Ion Ratio Lower Upper

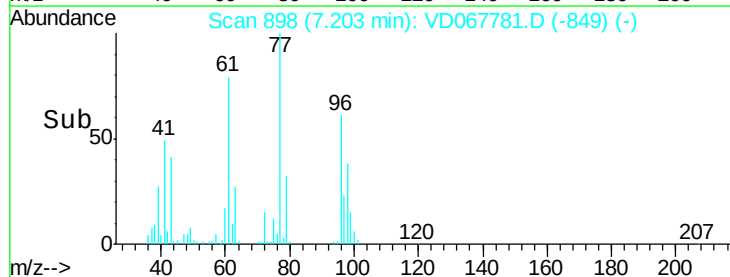
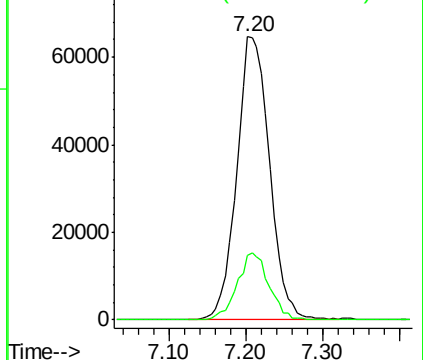
77 100

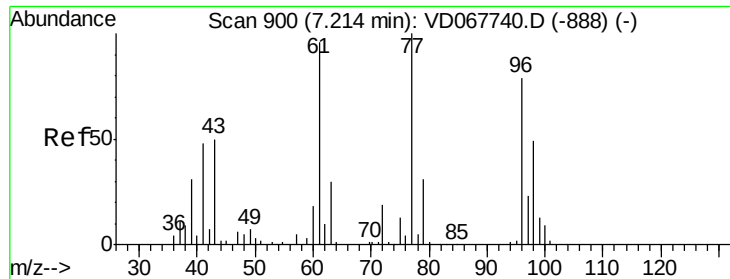
97 22.8 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

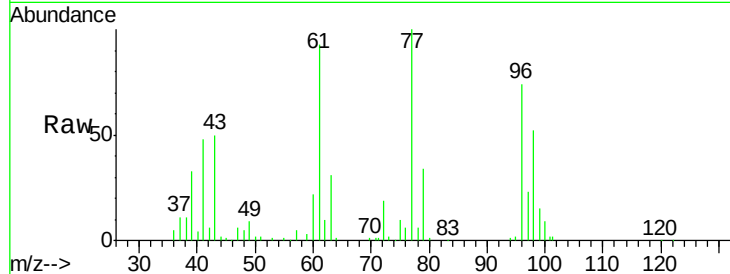
cis-1,2-Dichloroethene
 Concen: 48.514 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

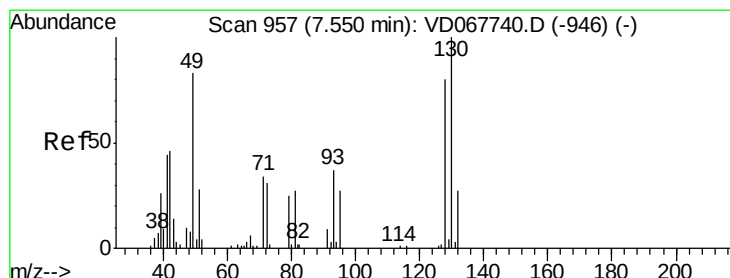
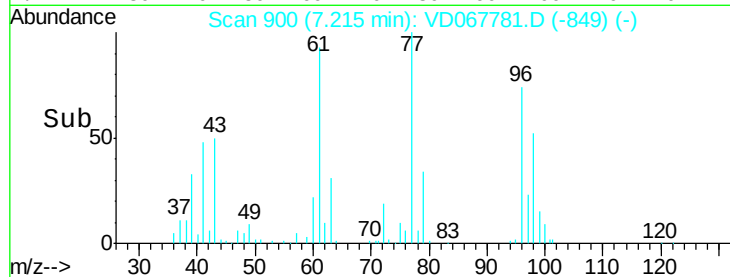
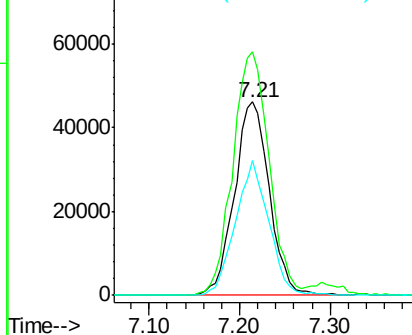
Tot Ion	Ratio	Resp	Lower	Upper
96	100	123298		
61	130.6	0.0	258.0	
98	66.2	0.0	131.8	

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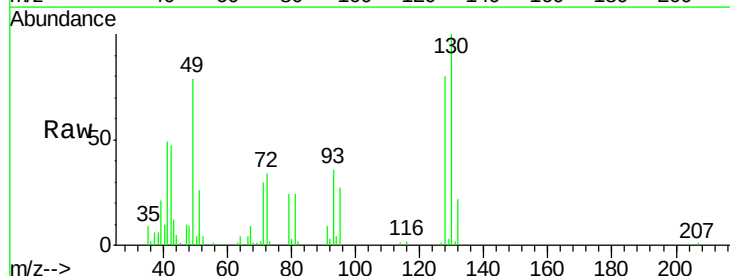
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



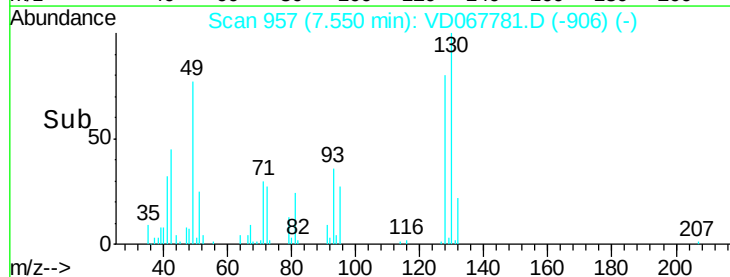
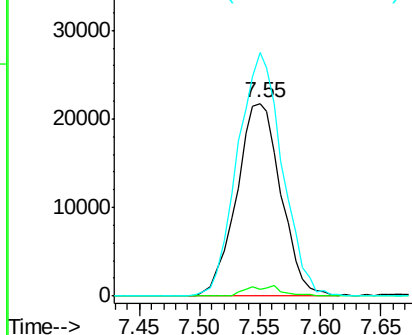
#28

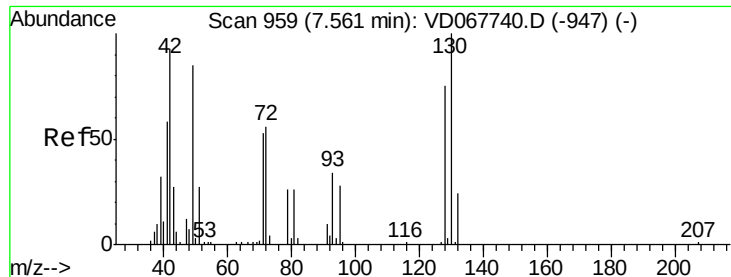
Bromochloromethane
 Concen: 51.101 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	55537		
129	4.1	0.0	7.0	
130	127.4	102.2	153.4	



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





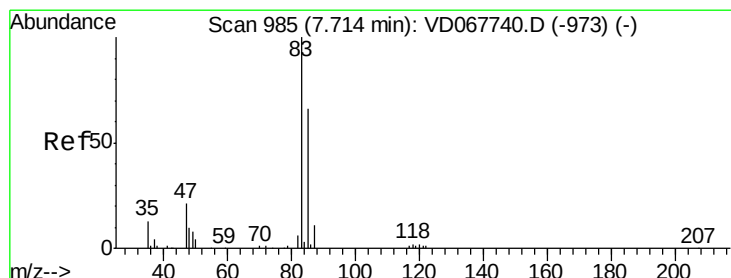
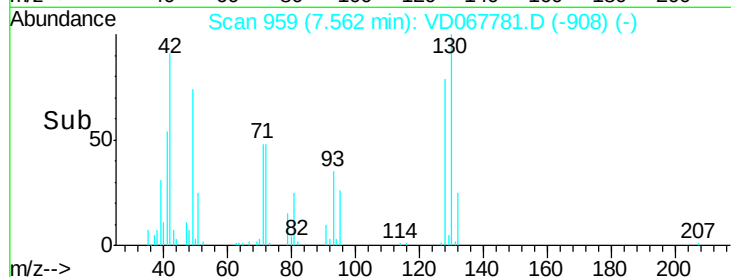
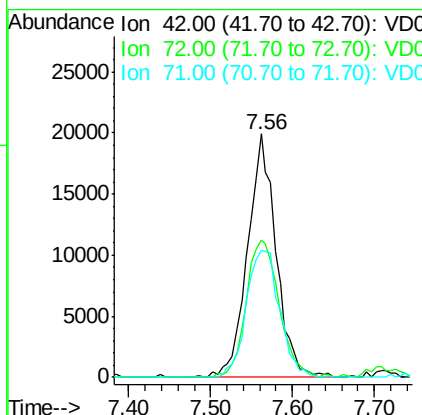
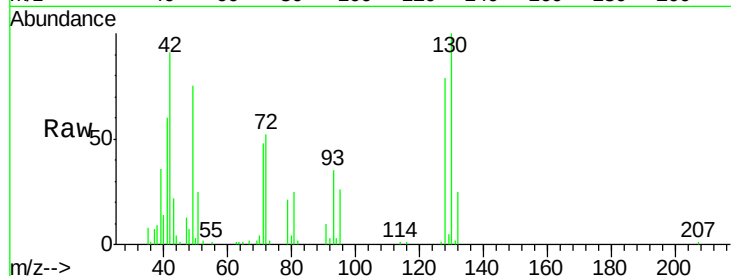
#29
Tetrahydrofuran
Concen: 235.236 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	65.0	49.3	73.9
71	61.1	45.9	68.9

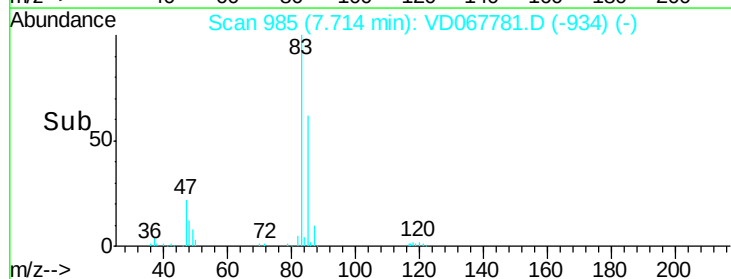
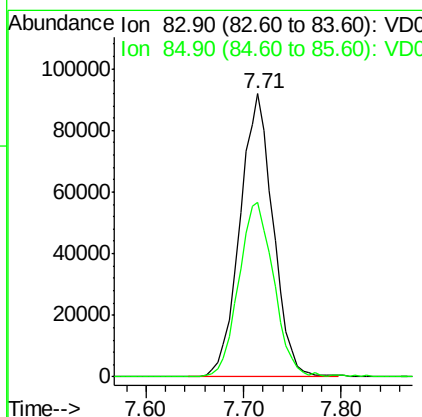
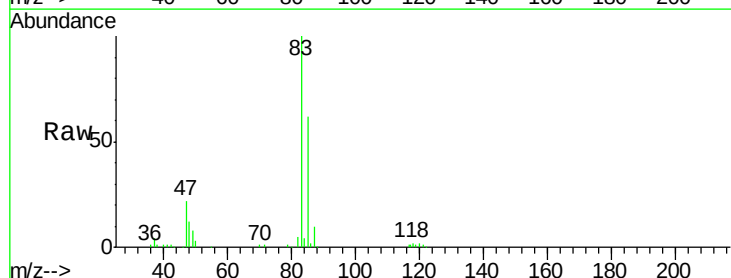
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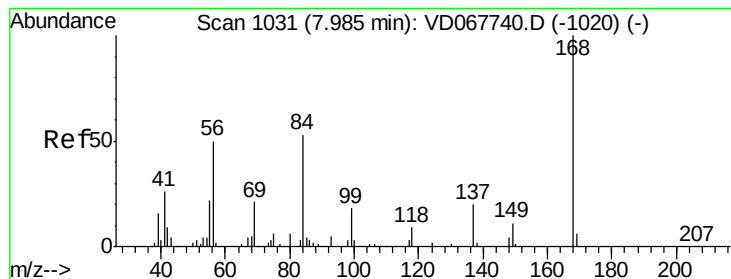
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#30
Chloroform
Concen: 48.918 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	53.1	79.7





#31

Cyclohexane

Concen: 45.281 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

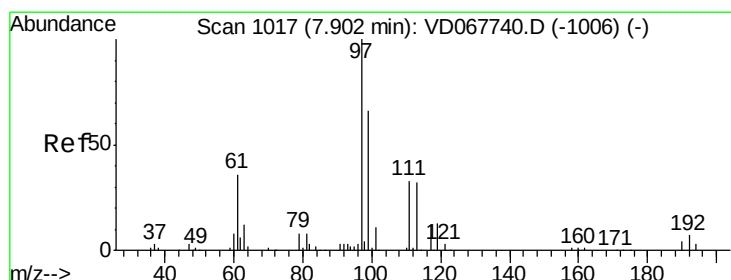
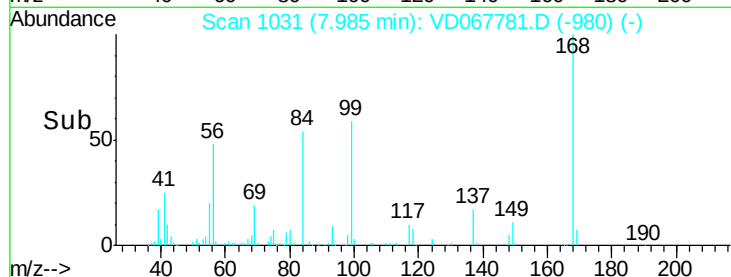
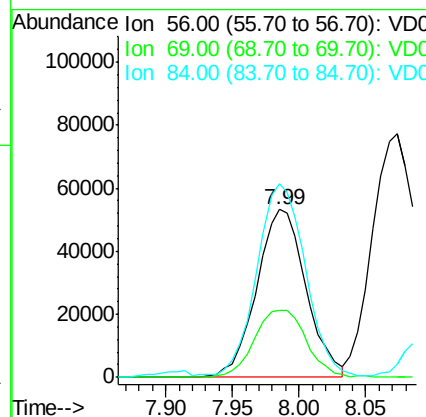
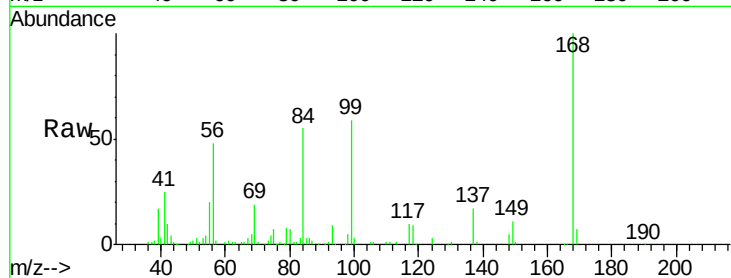
ClientSampleID :

VSTDCCC050

Tot Ion:	56	Resp:	136107
Ion	Ratio	Lower	Upper
56	100		
69	39.7	33.2	49.8
84	114.2	84.8	127.2

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#32

1,1,1-Trichloroethane

Concen: 48.757 ug/l

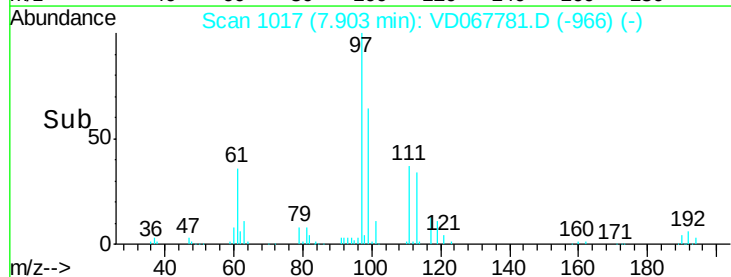
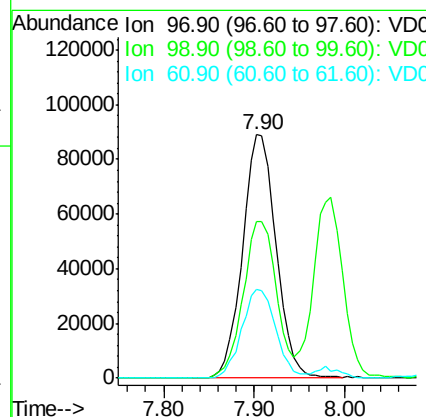
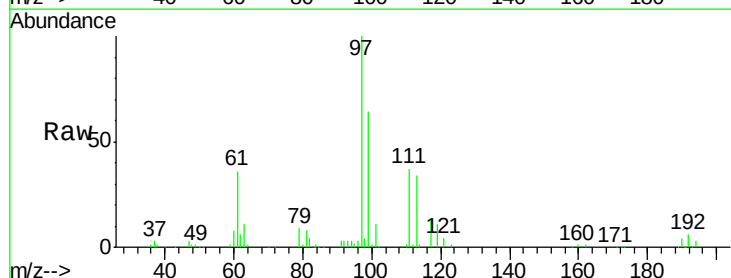
RT: 7.90 min Scan# 1017

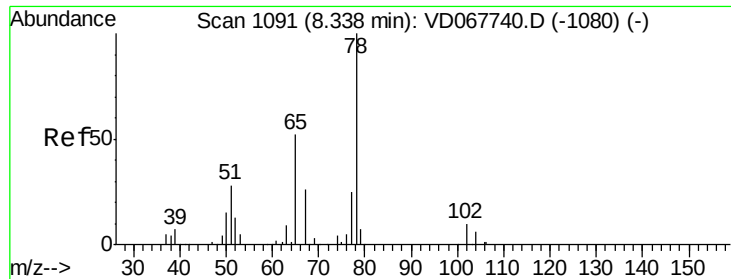
Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Tgt Ion:	97	Resp:	229098
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	37.0	29.4	44.2





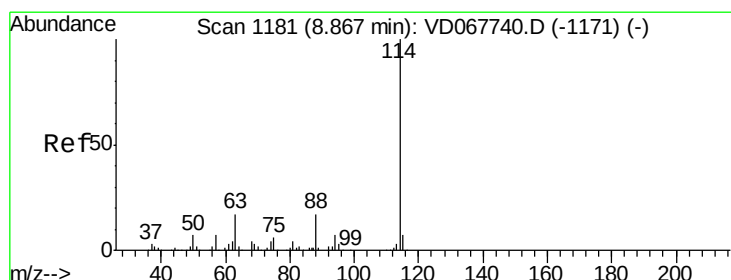
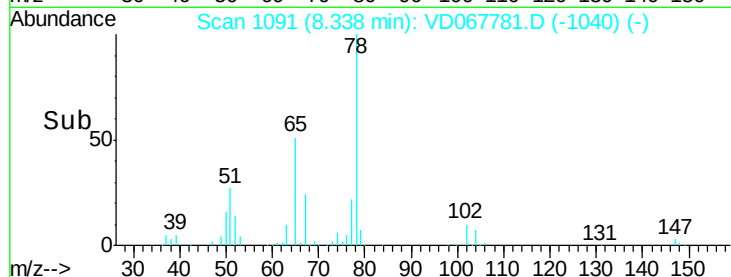
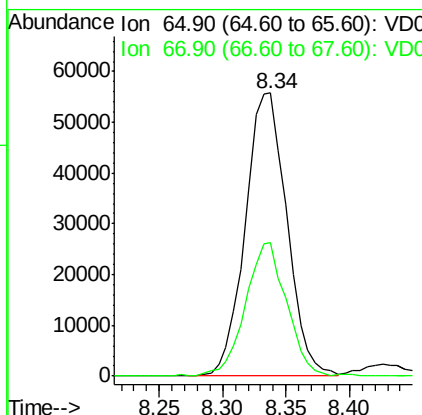
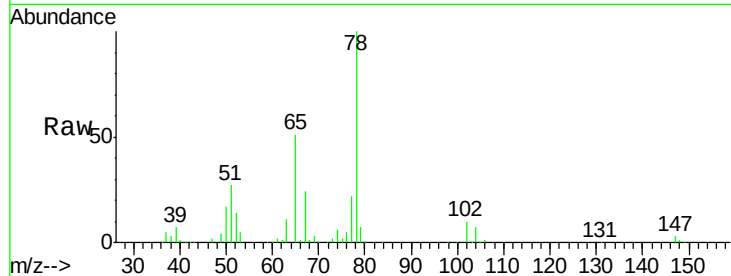
#33
 1,2-Dichloroethane-d4
 Concen: 51.344 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127551		
67	46.7	0.0	101.0	

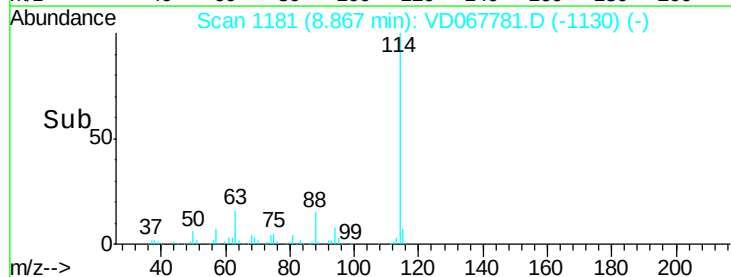
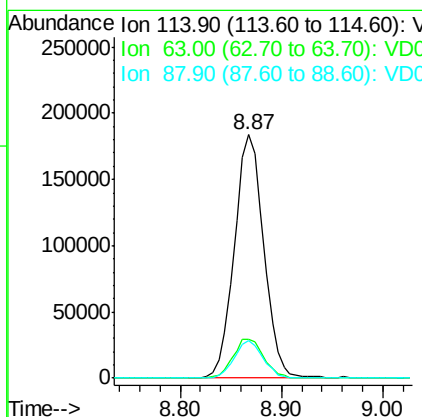
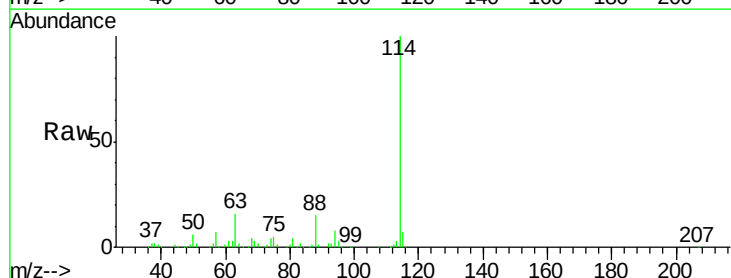
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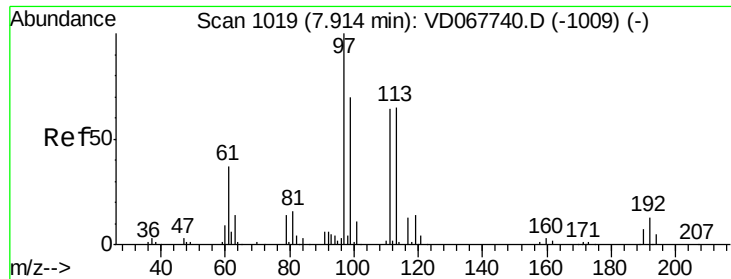
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	371157		
63	16.0	0.0	34.8	
88	15.3	0.0	34.4	





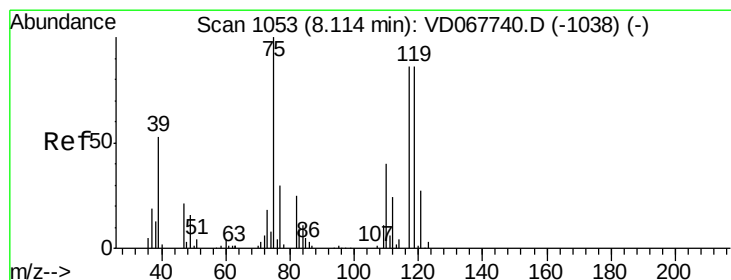
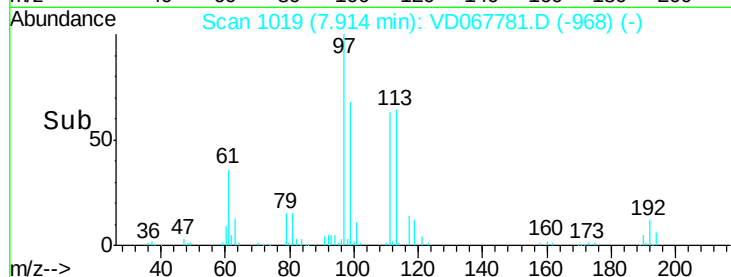
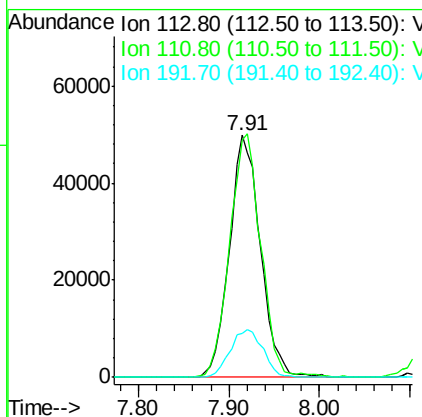
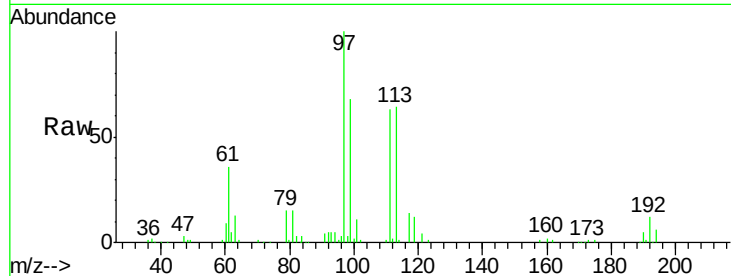
#35
Dibromofluoromethane
Concen: 50.406 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	119061		
111	99.8	81.4	122.0	
192	20.5	17.0	25.4	

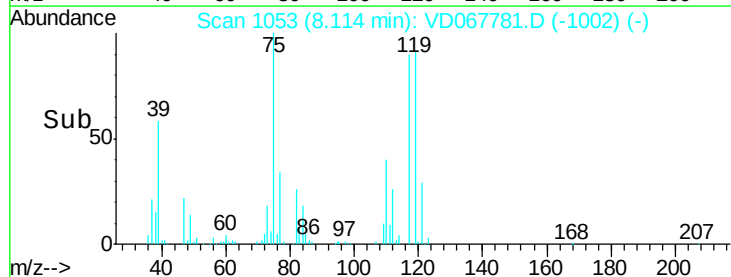
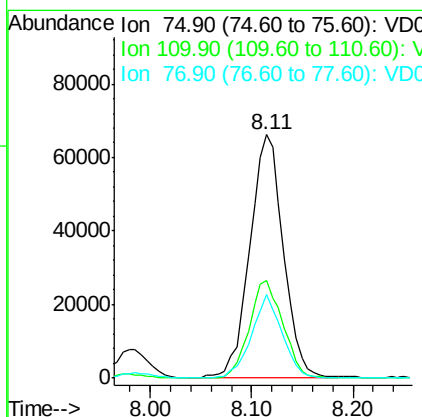
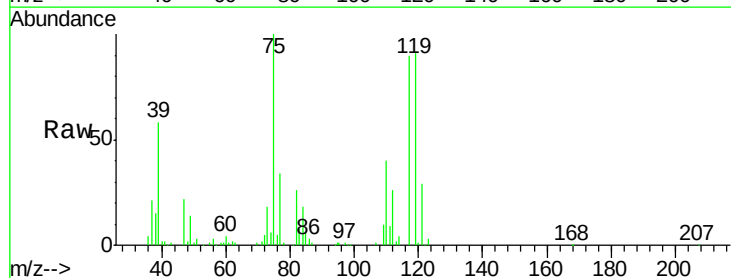
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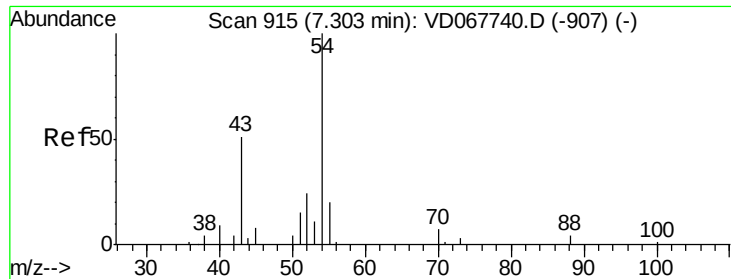
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#36
1,1-Dichloropropene
Concen: 47.762 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152120		
110	39.9	20.1	60.2	
77	31.5	24.8	37.2	





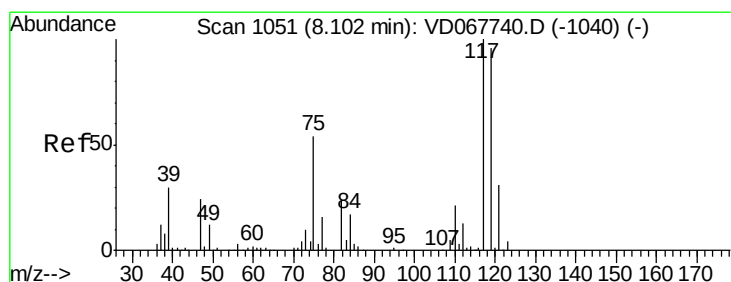
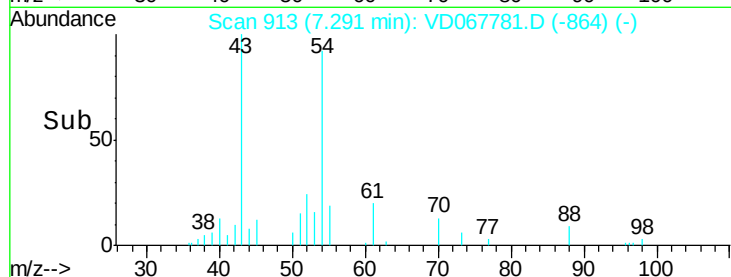
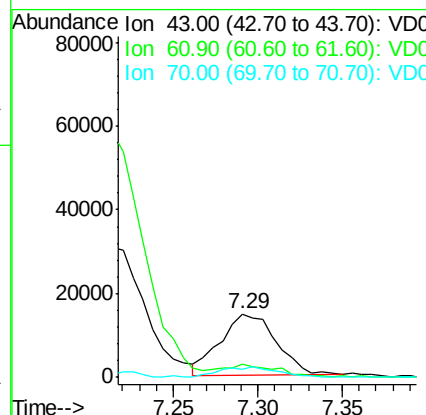
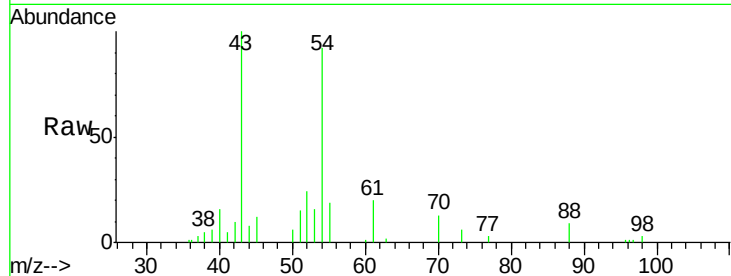
#37
Ethyl Acetate
Concen: 39.767 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	12.9	19.3
70	17.5	12.2	18.2

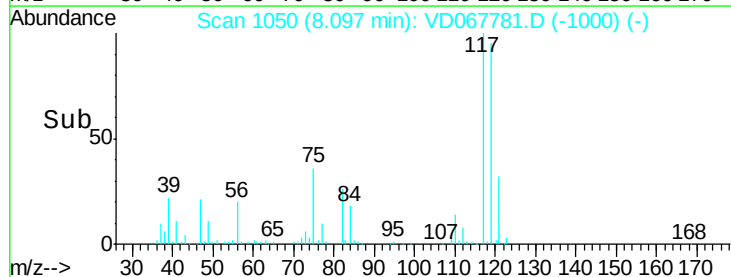
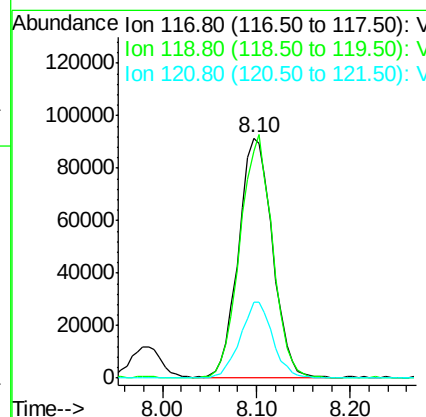
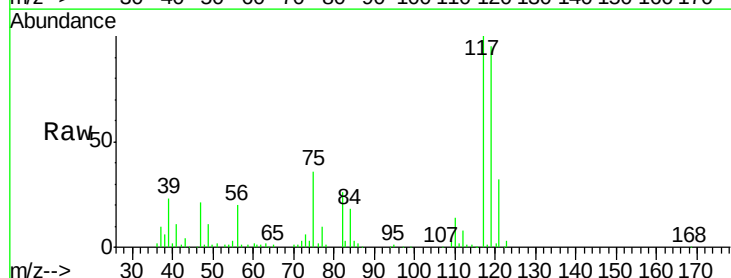
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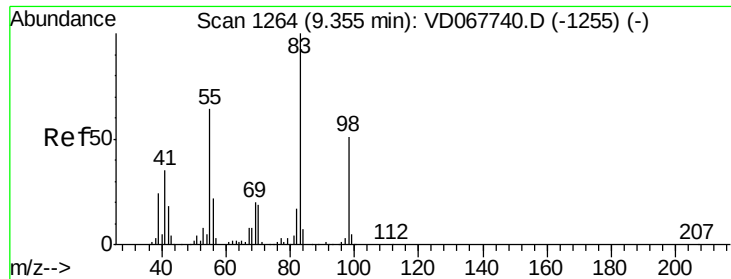
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#38
Carbon Tetrachloride
Concen: 49.816 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.6	115.0
121	31.8	24.5	36.7





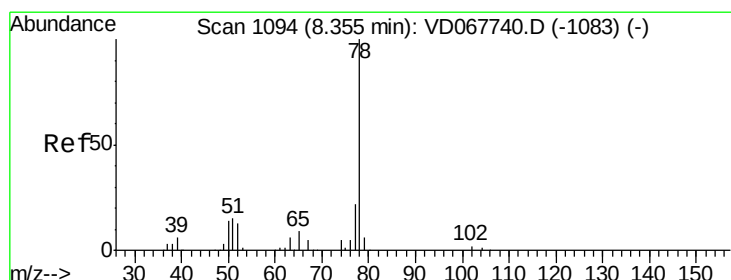
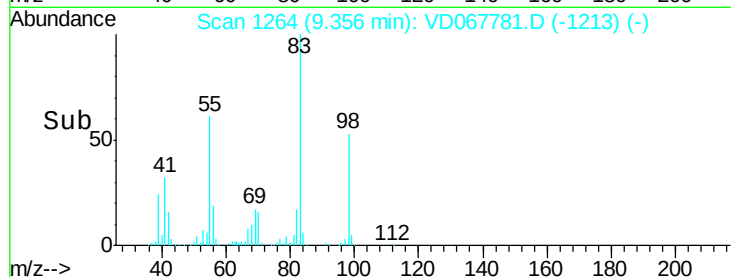
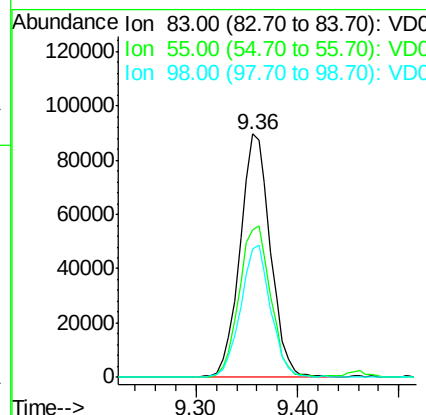
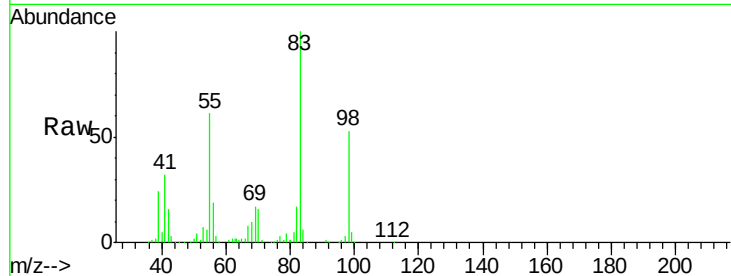
#39
Methylvlcyclohexane
Concen: 49.346 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.5	51.0	76.4
98	52.7	40.4	60.6

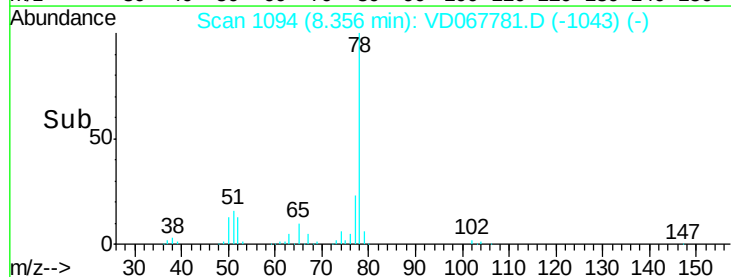
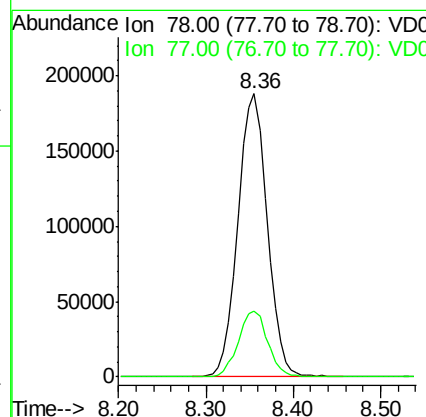
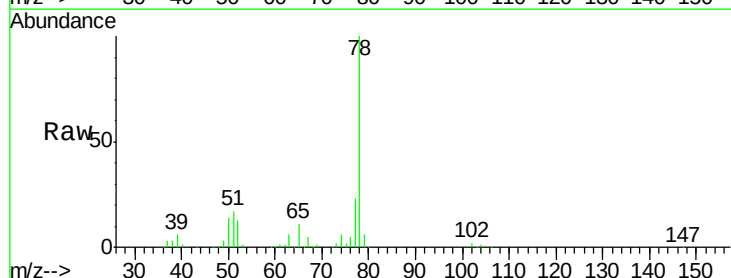
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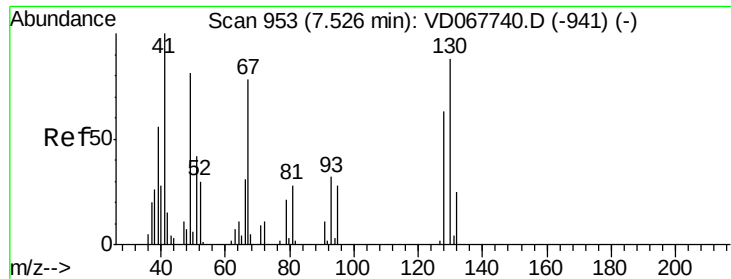
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#40
Benzene
Concen: 48.755 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.8	26.6





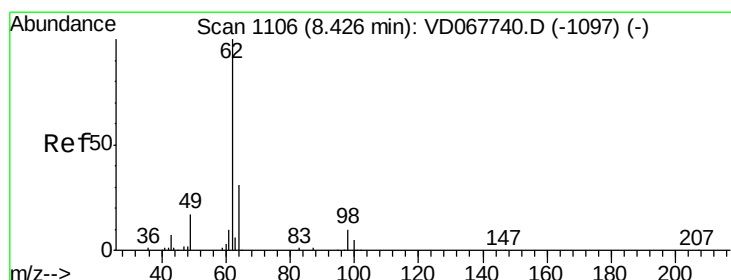
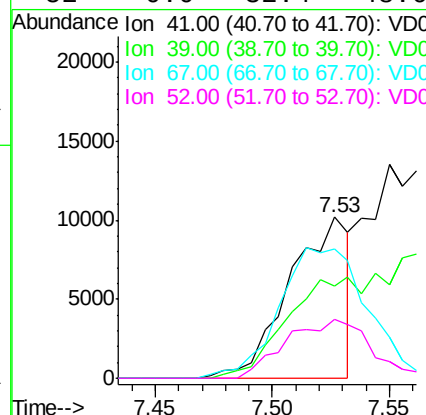
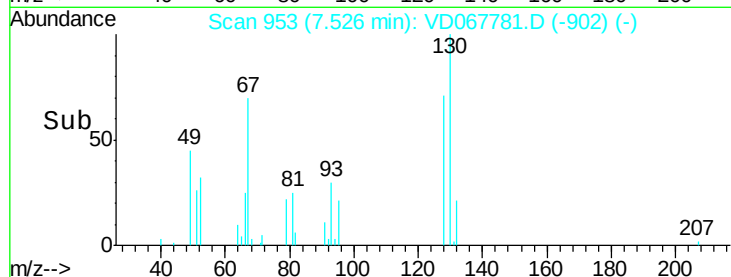
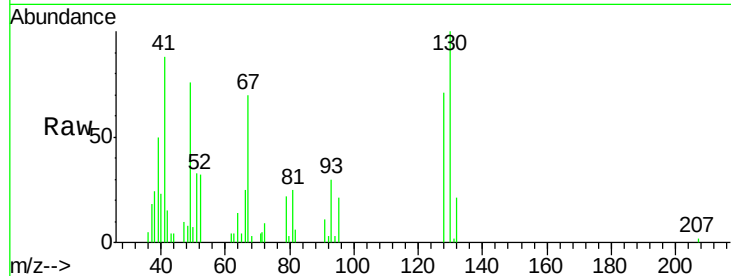
#41
Methacrylonitrile
Concen: 41.993 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	0.0	79.0	118.6#
52	0.0	32.4	48.6#

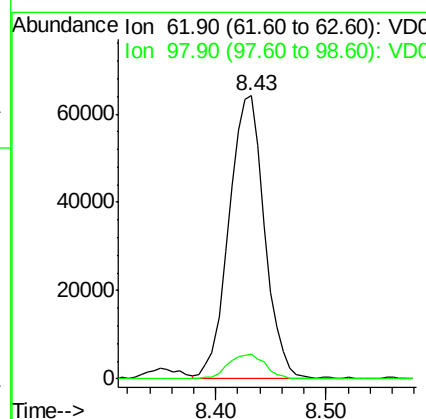
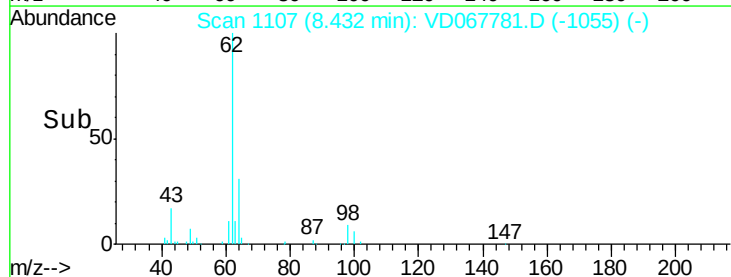
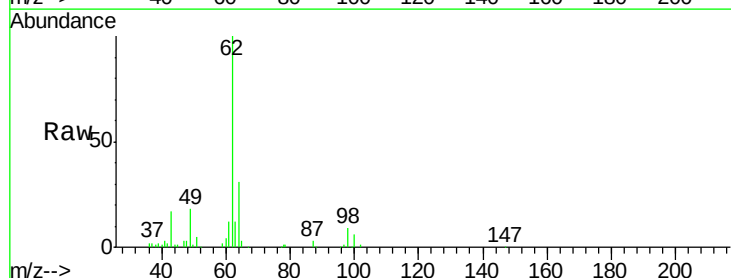
Manual Integrations
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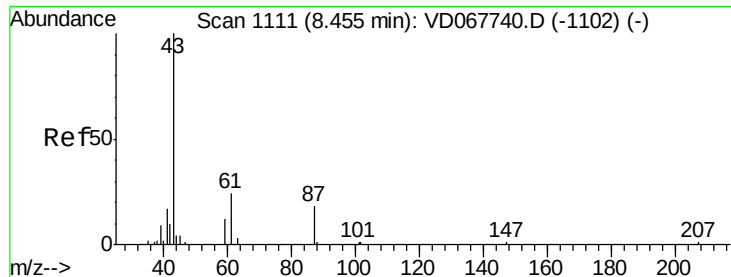
MMDadoda
11/30/2020 9:58:56 AM



#42
1,2-Dichloroethane
Concen: 48.902 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43

Isopropyl Acetate

Concen: 44.721 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

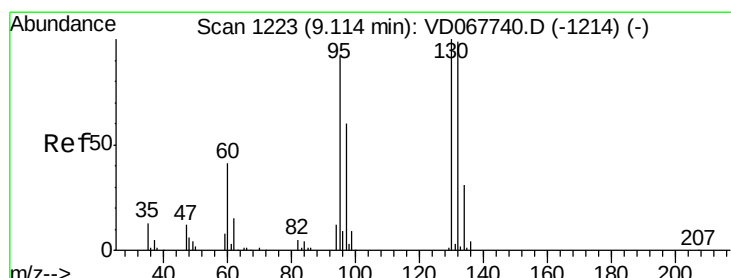
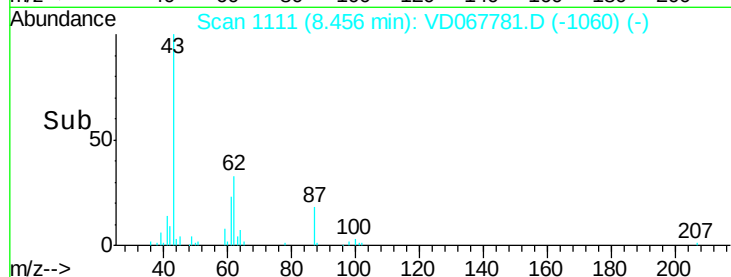
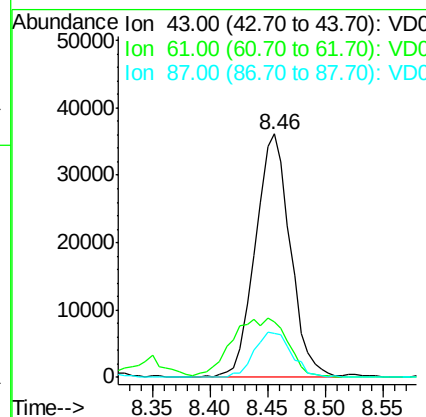
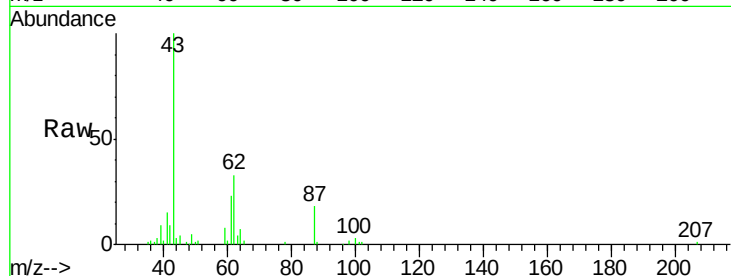
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	76485
Ion	Ratio	Lower	Upper
43	100		
61	20.4	30.2	45.4#
87	20.0	14.2	21.4

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MMDadoda
11/30/2020 9:58:56 AM



#44

Trichloroethene

Concen: 48.234 ug/l

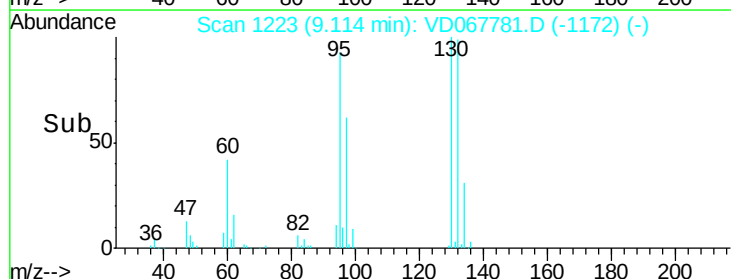
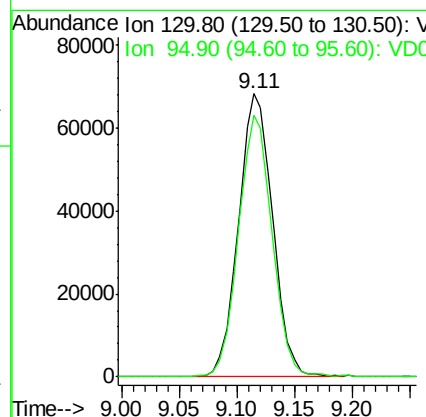
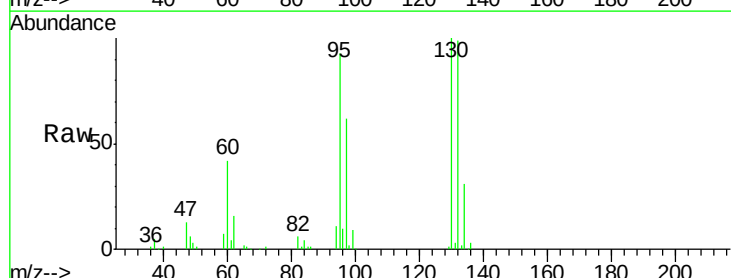
RT: 9.11 min Scan# 1223

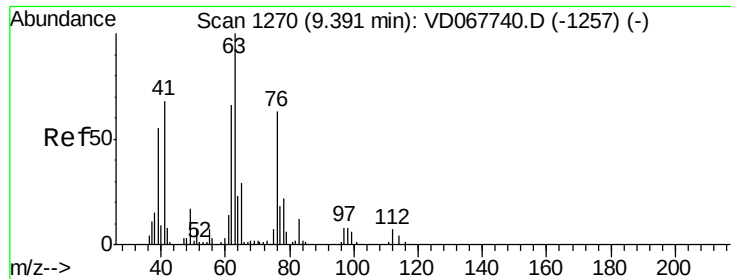
Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Tgt Ion:	130	Resp:	139836
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	184.2





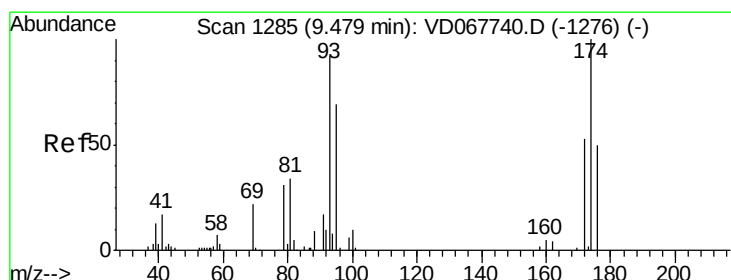
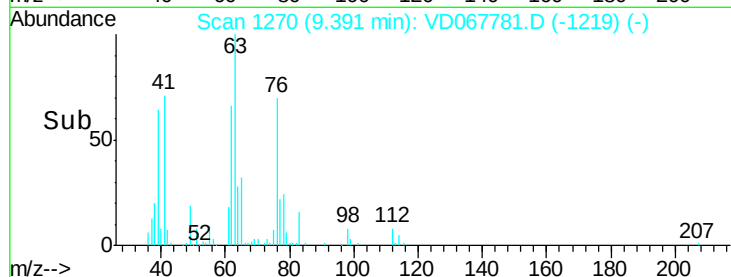
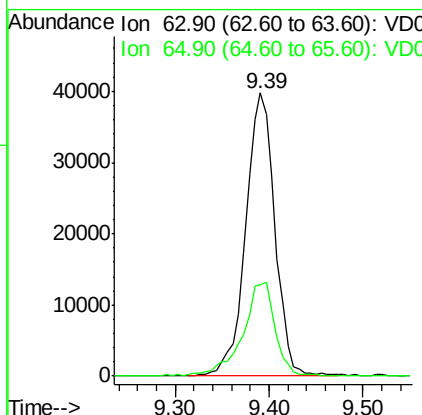
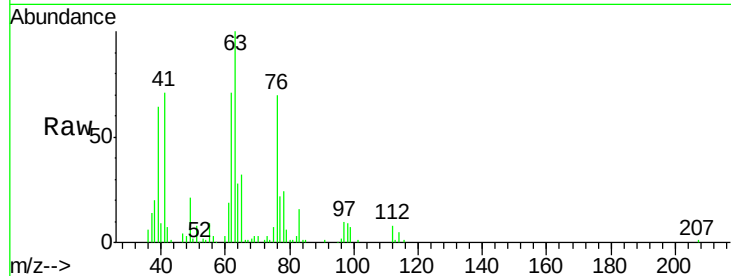
#45
 1,2-Dichloropropane
 Concen: 47.493 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 85244
 Ion Ratio Lower Upper
 63 100
 65 32.5 23.1 34.7

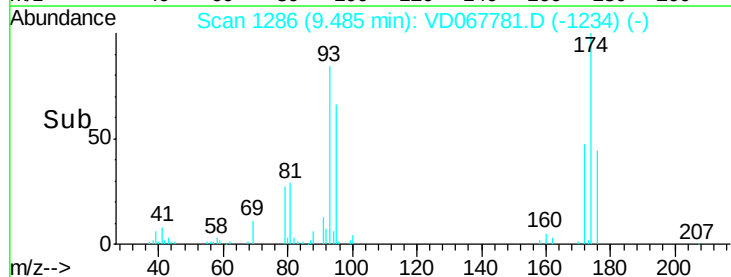
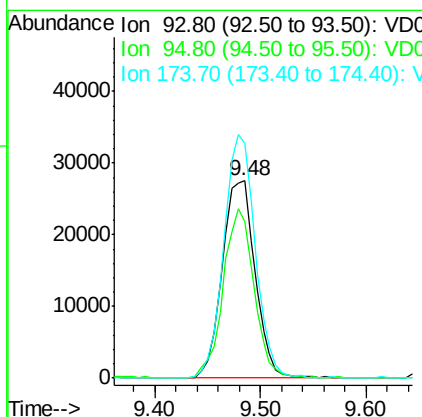
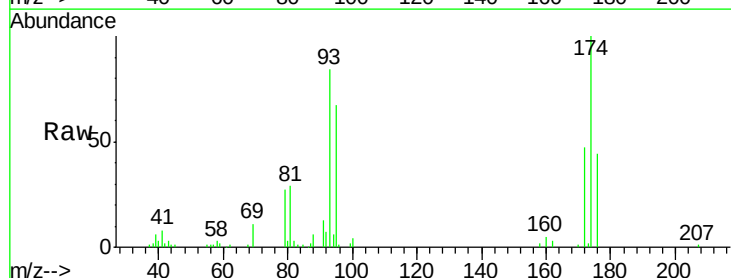
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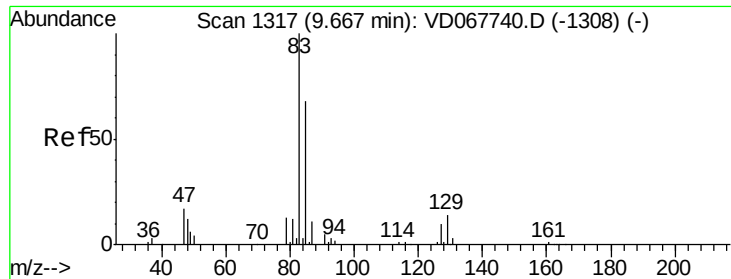
MMDadoda
 11/30/2020 9:58:56 AM



#46
 Dibromomethane
 Concen: 48.675 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Tgt Ion: 93 Resp: 59479
 Ion Ratio Lower Upper
 93 100
 95 80.1 63.4 95.2
 174 117.5 89.6 134.4





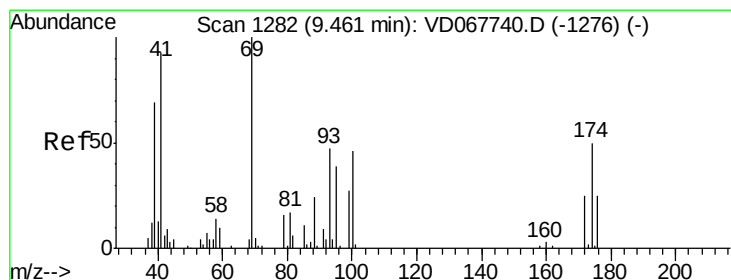
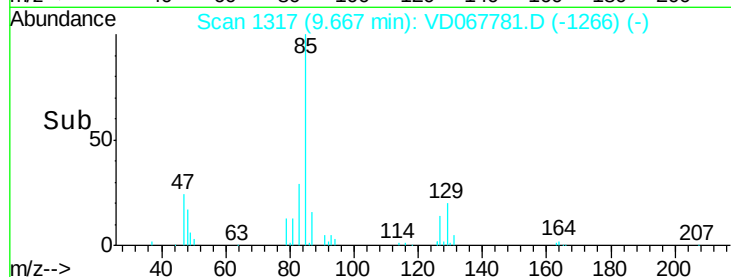
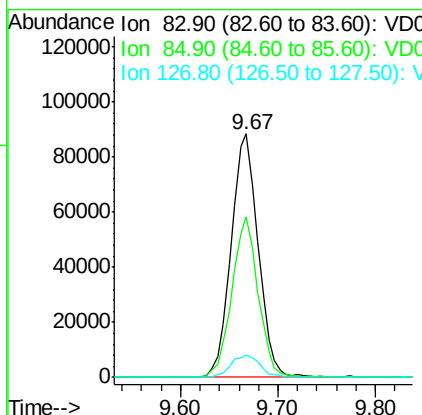
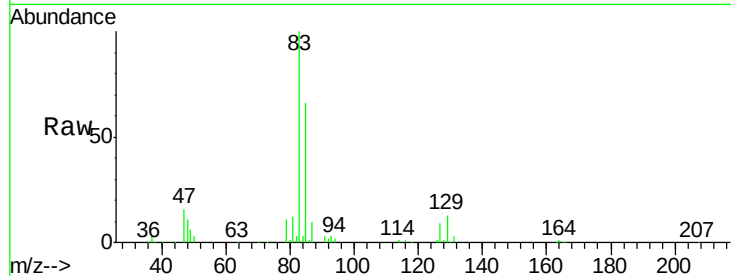
#47
Bromodichloromethane
Concen: 50.025 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.7	54.2	81.2
127	8.9	7.6	11.4

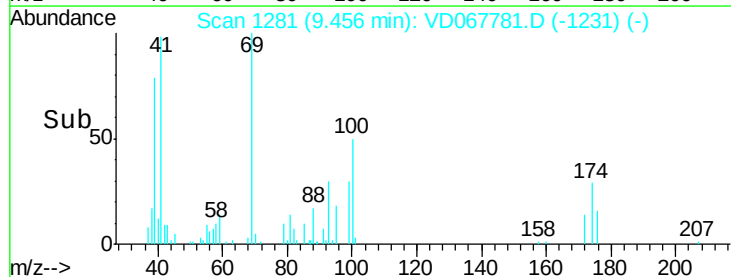
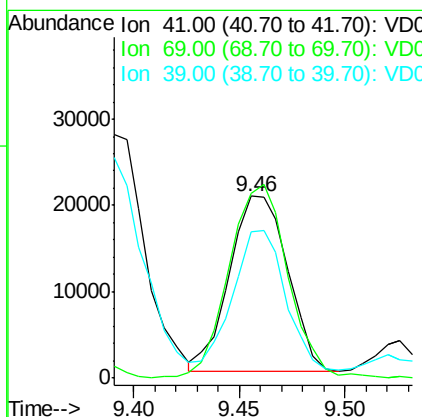
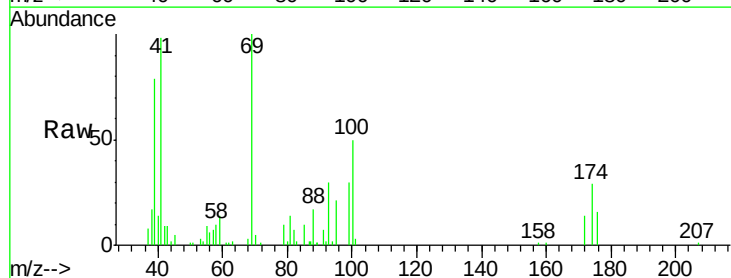
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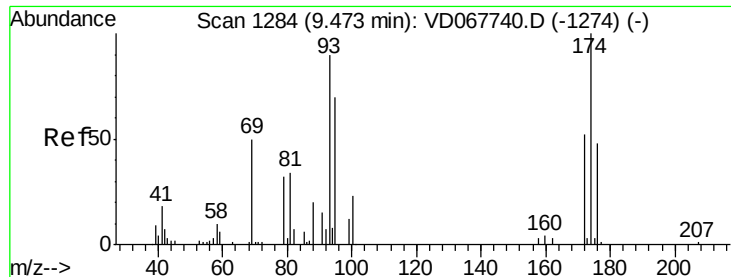
MMDadoda
11/30/2020 9:58:56 AM



#48
Methyl methacrylate
Concen: 45.017 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
41	100		
69	113.4	87.8	131.6
39	72.6	60.5	90.7





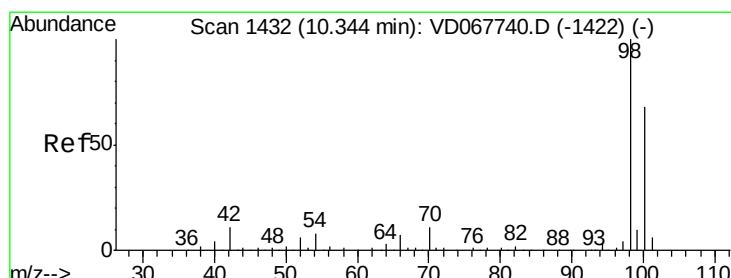
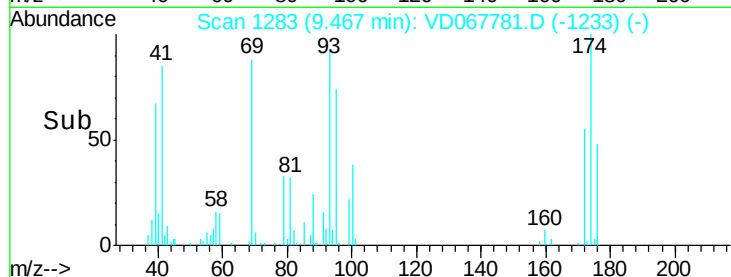
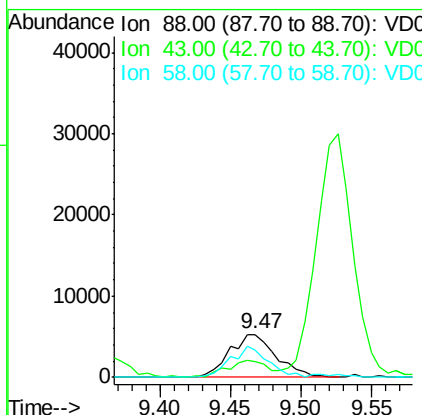
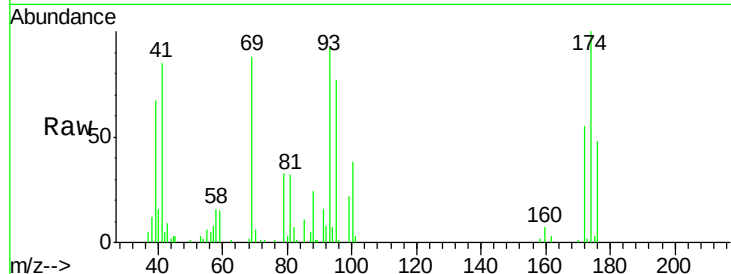
#49
1,4-Dioxane
Concen: 913.105 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	12092
Ion Ratio	Lower	Upper	
88	100		
43	35.3	25.2	37.8
58	58.5	48.2	72.2

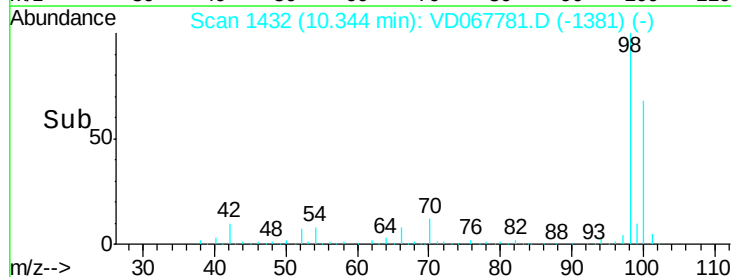
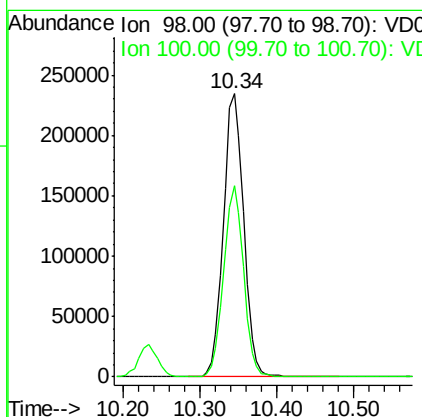
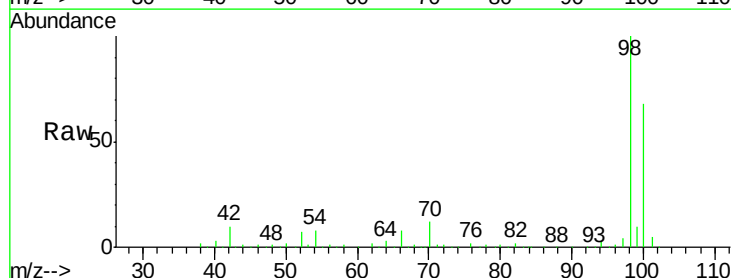
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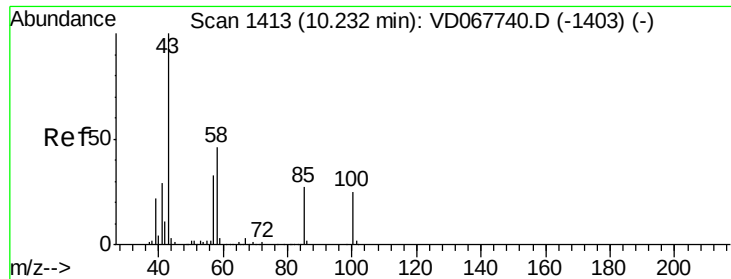
MMDadoda
11/30/2020 9:58:56 AM



#50
Toluene-d8
Concen: 49.960 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion	98	Resp	431447
Ion Ratio	Lower	Upper	
98	100		
100	66.5	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 231.177 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 186045

Ion Ratio Lower Upper

43 100

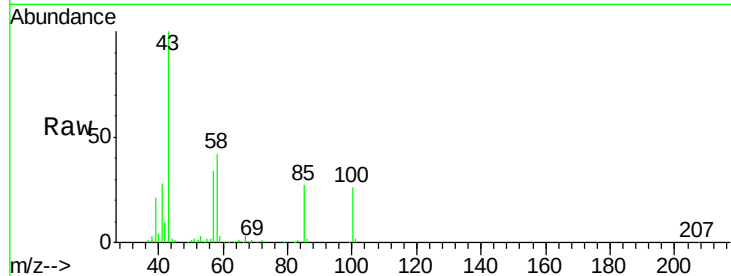
58 44.4 34.7 52.1

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

120000

100000

80000

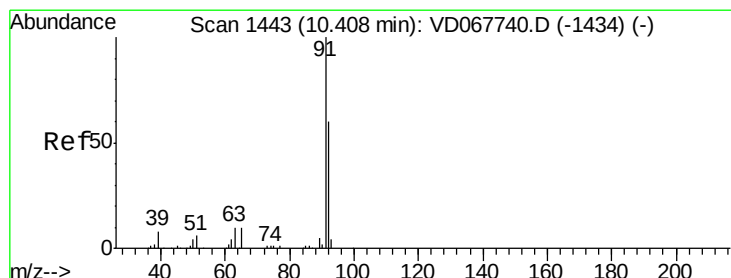
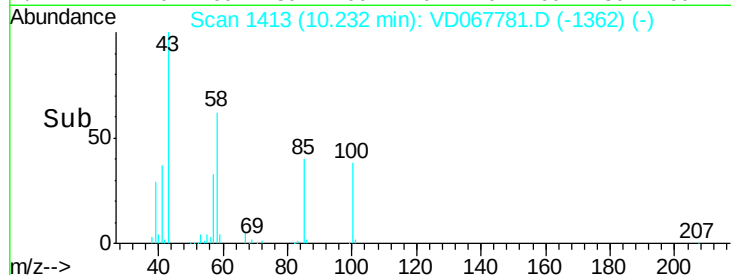
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 49.619 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067781.D

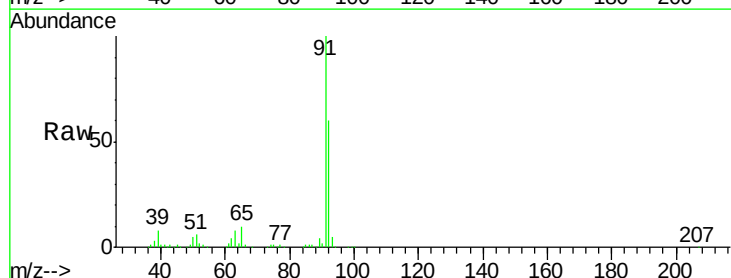
Acq: 25 Nov 2020 12:21

Tgt Ion: 92 Resp: 294443

Ion Ratio Lower Upper

92 100

91 170.1 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

300000

250000

200000

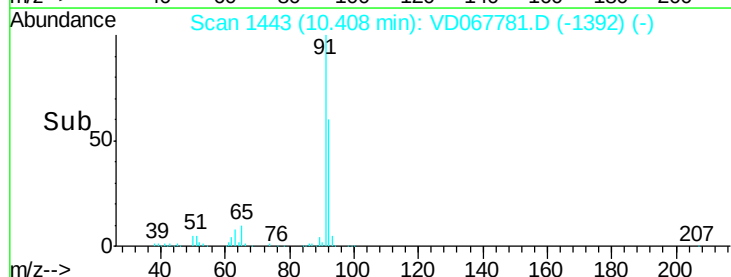
150000

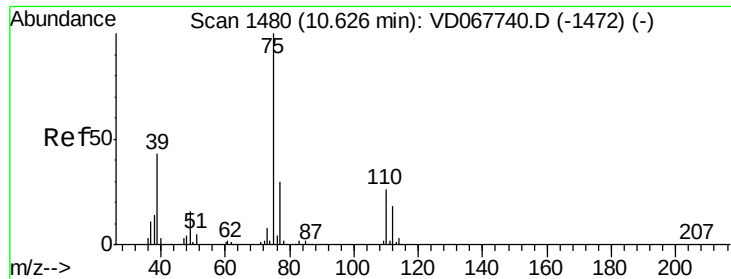
100000

50000

0

Time-->





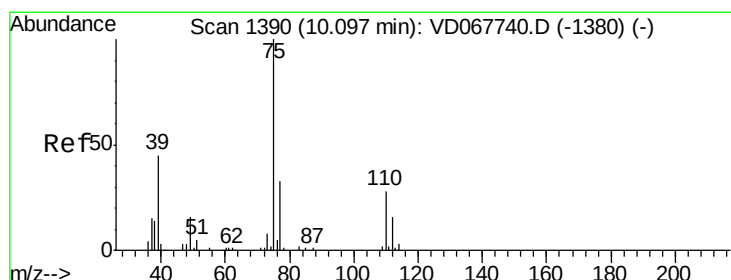
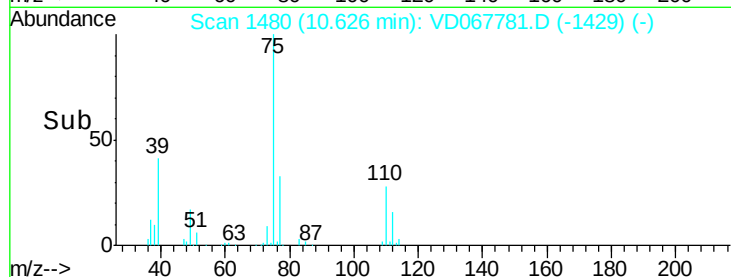
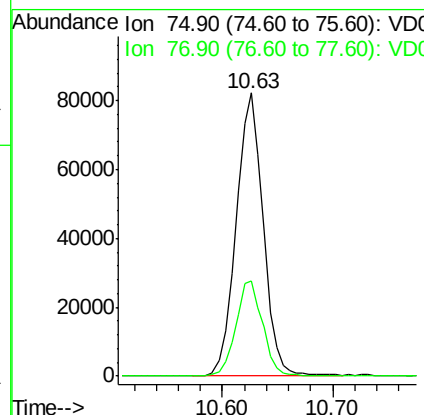
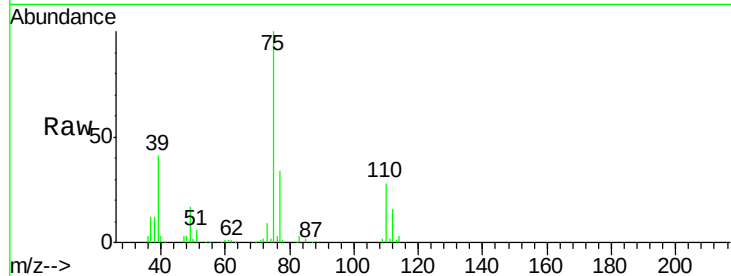
#53
 t-1,3-Dichloropropene
 Concen: 47.548 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 141353
 Ion Ratio Lower Upper
 75 100
 77 33.8 24.2 36.4

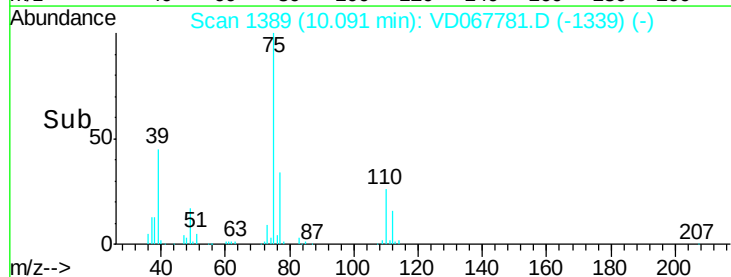
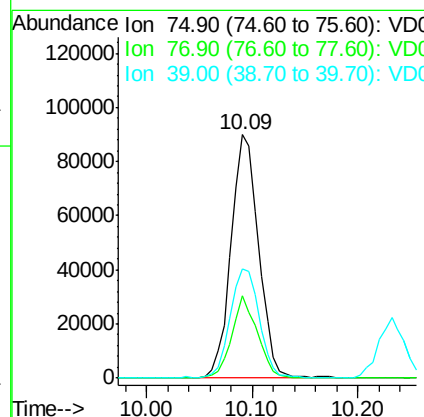
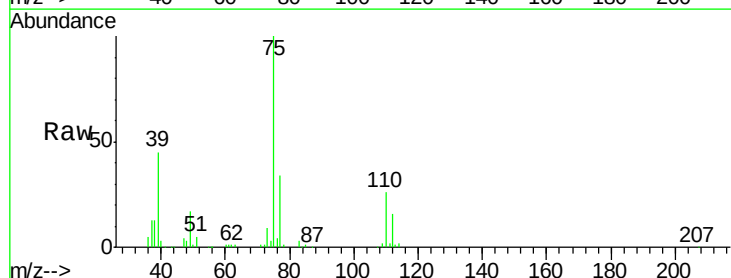
Manual Integrations
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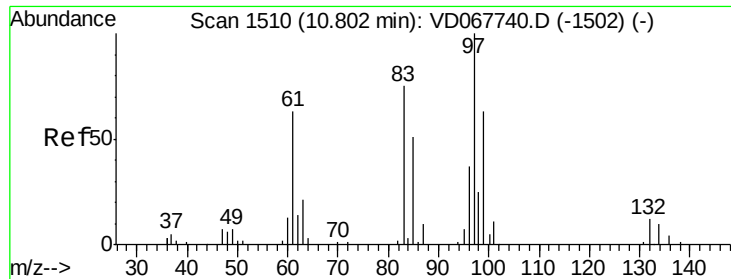
MMDadoda
 11/30/2020 9:58:56 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.261 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Tgt Ion: 75 Resp: 162369
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.1 39.1
 39 45.1 35.8 53.6





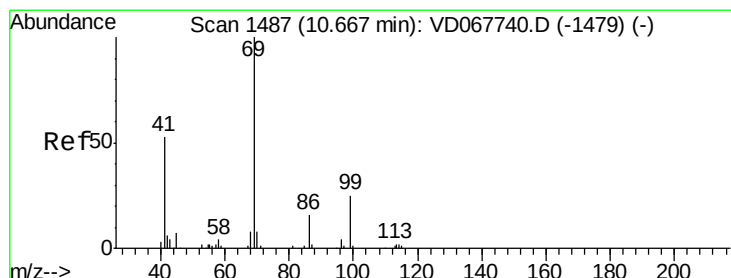
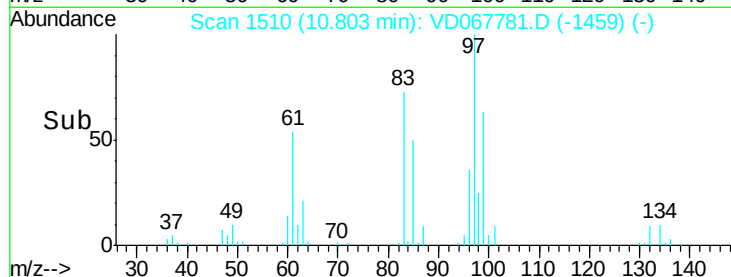
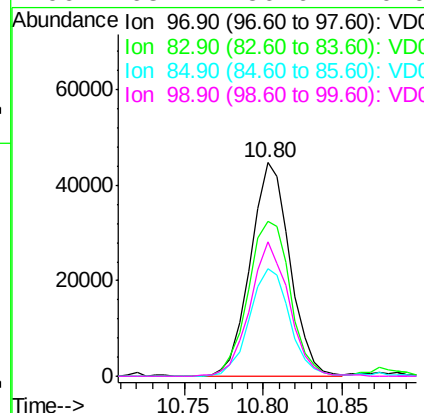
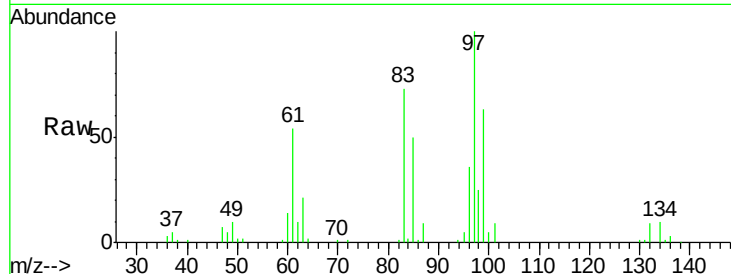
#55
 1,1,2-Trichloroethane
 Concen: 47.366 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	77661
Ion	Ratio	Lower	Upper
97	100		
83	72.5	60.2	90.4
85	50.5	40.5	60.7
99	63.1	50.6	76.0

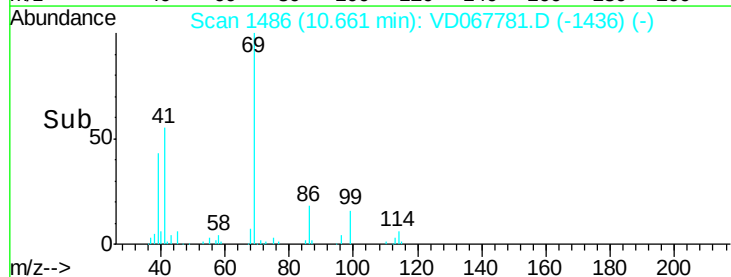
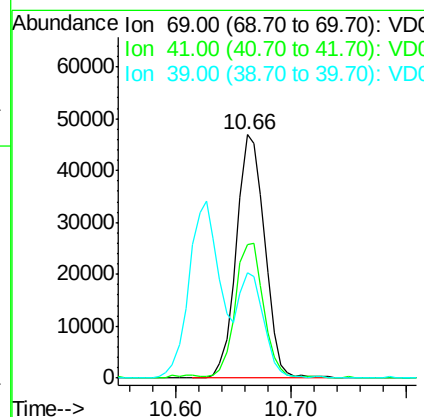
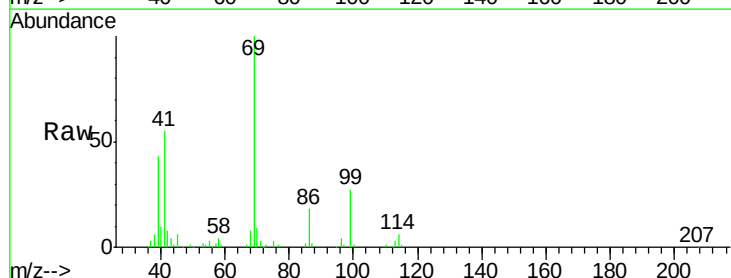
Manual Integrations
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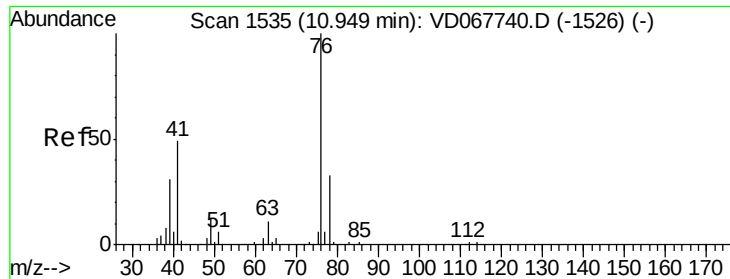
MMDadoda
 11/30/2020 9:58:56 AM



#56
 Ethyl methacrylate
 Concen: 47.132 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Tgt Ion:	69	Resp:	80006
Ion	Ratio	Lower	Upper
69	100		
41	56.1	43.4	65.0
39	36.2	29.6	44.4





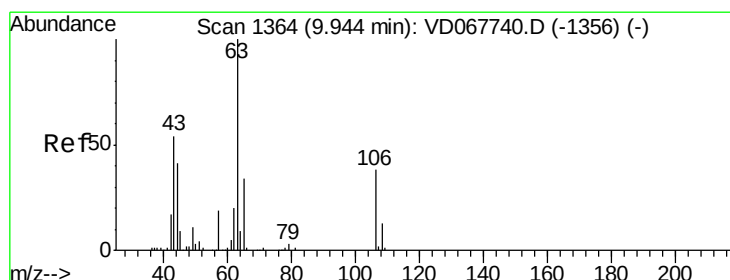
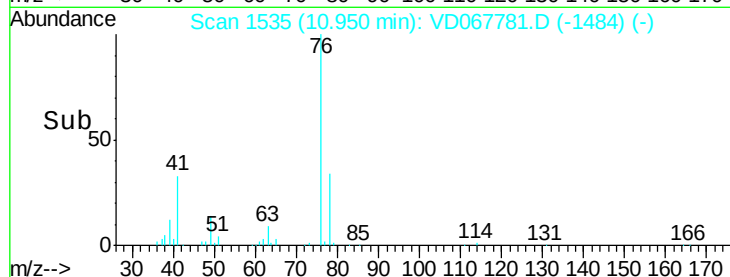
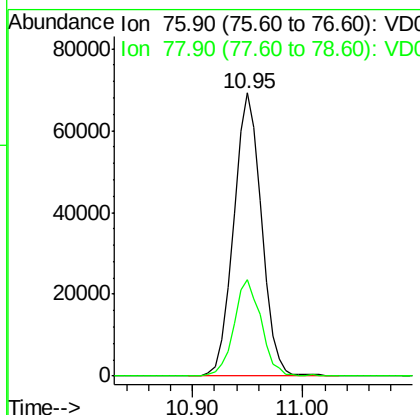
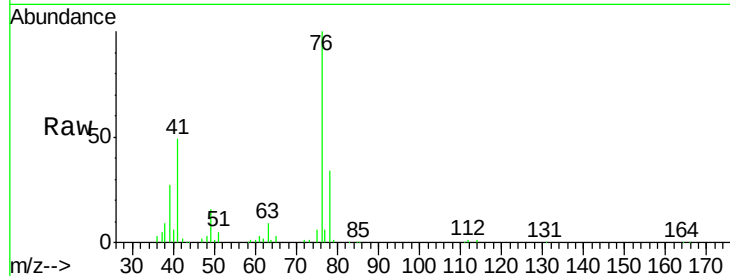
#57
 1,3-Dichloropropane
 Concen: 47.410 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.7	38.5

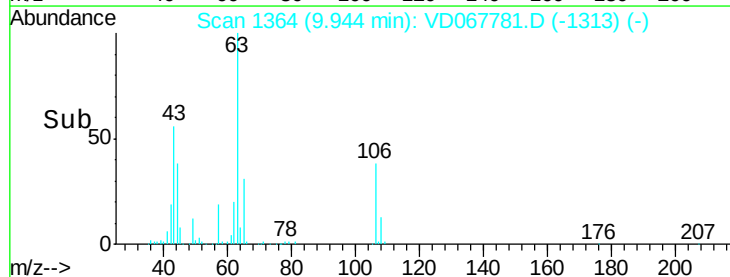
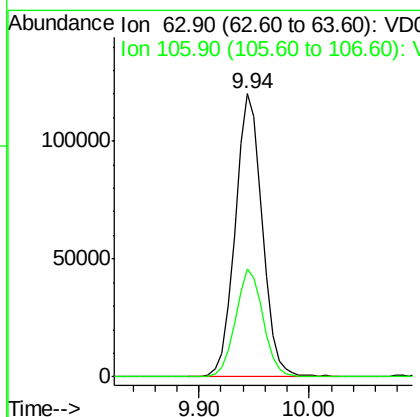
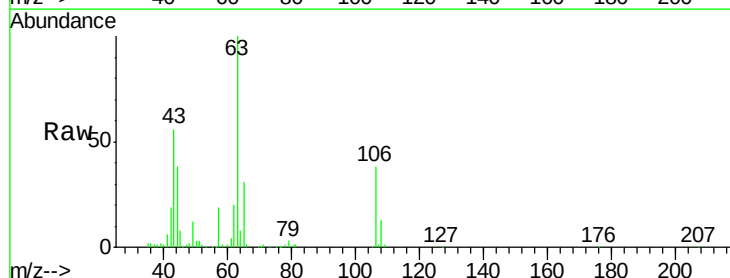
Manual Integrations
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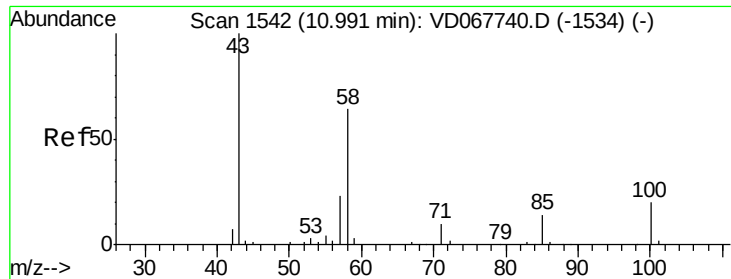
MMDadoda
 11/30/2020 9:58:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.649 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	38.7	31.0	46.6





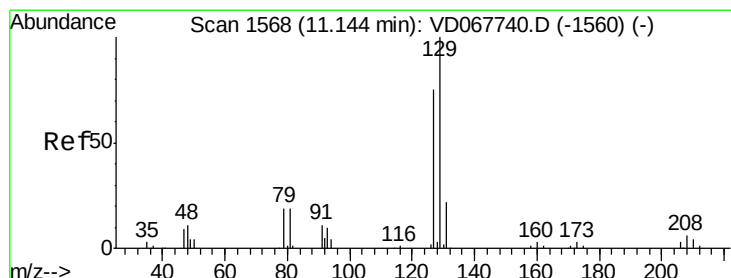
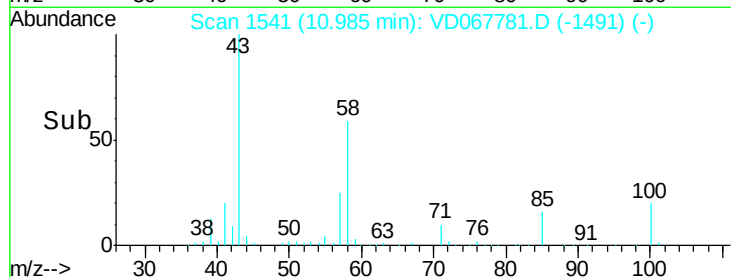
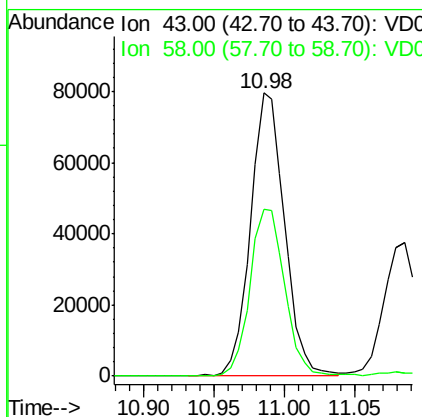
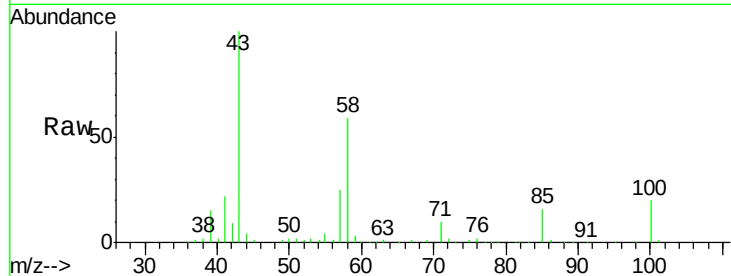
#59
2-Hexanone
Concen: 237.986 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.4	30.5	91.5

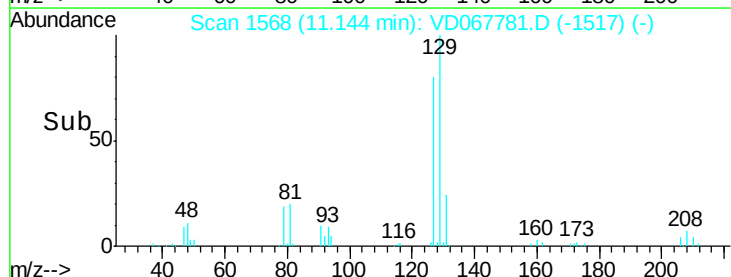
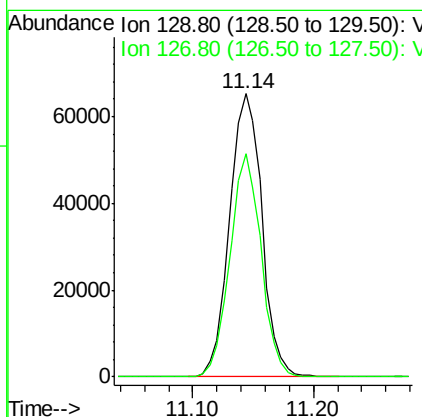
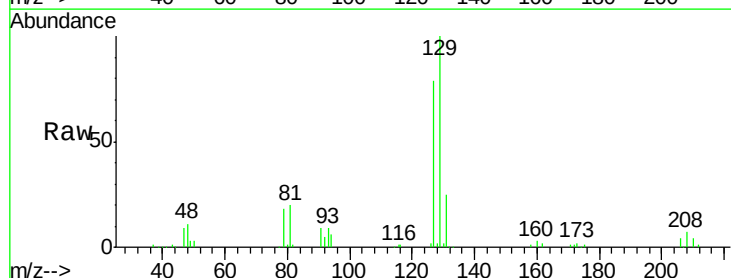
Manual Integrations
APPROVED

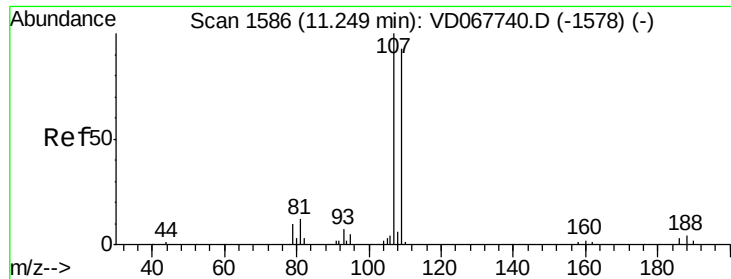
MMDadoda
11/30/2020 9:58:56 AM



#60
Dibromochloromethane
Concen: 48.634 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.6	115.7





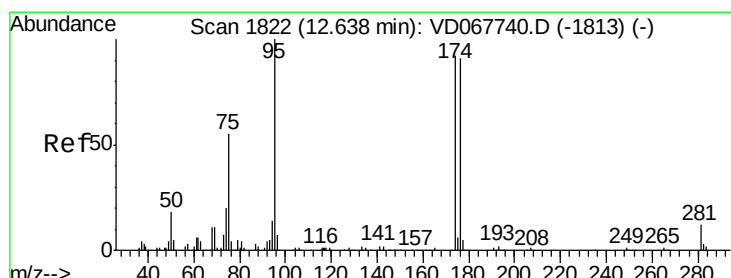
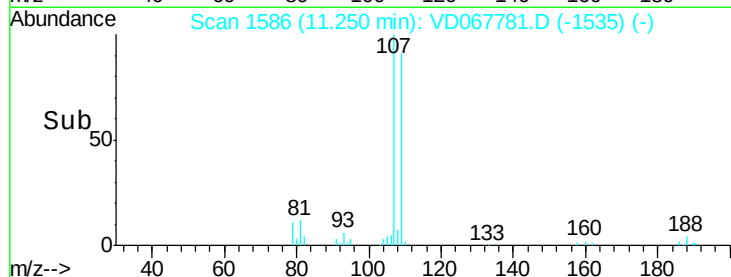
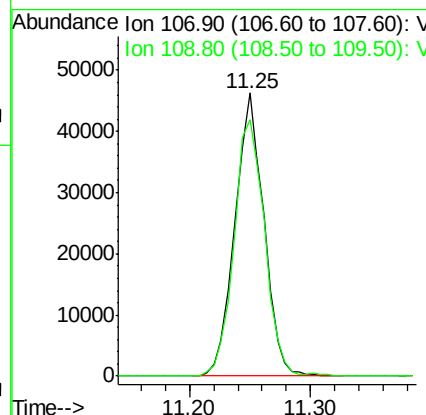
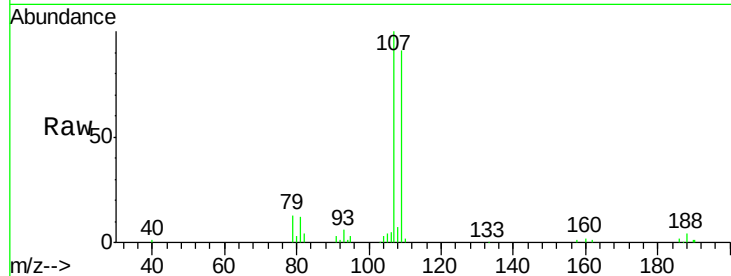
#61
 1,2-Dibromoethane
 Concen: 47.790 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 77205
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.1 112.7

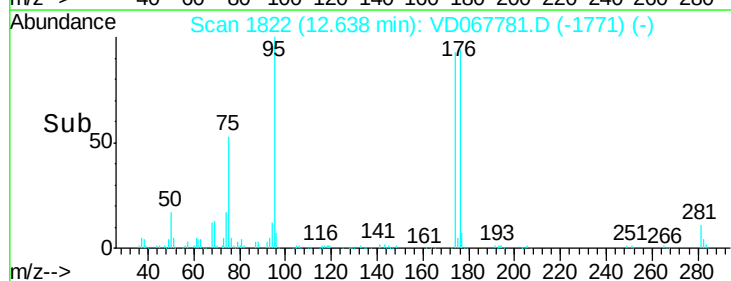
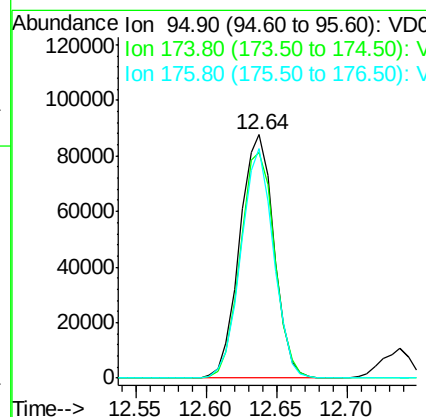
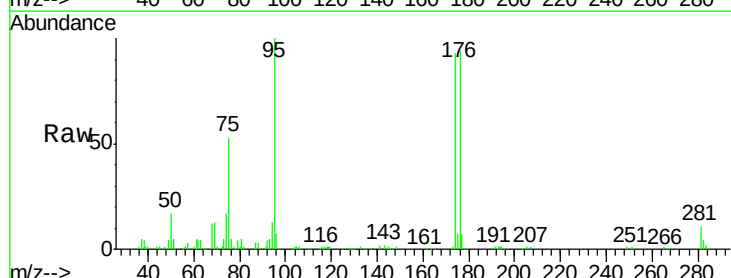
Manual Integrations
 APPROVED

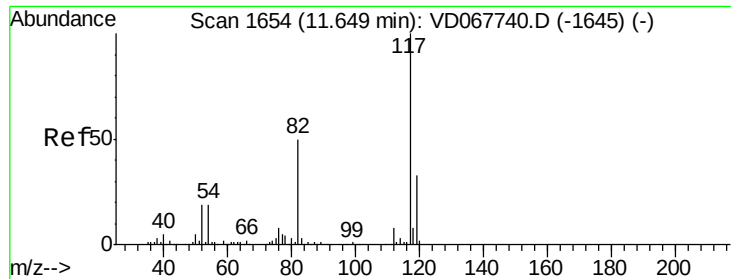
MMDadoda
 11/30/2020 9:58:56 AM



#62
 4-Bromofluorobenzene
 Concen: 50.398 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Tgt Ion: 95 Resp: 148763
 Ion Ratio Lower Upper
 95 100
 174 92.8 0.0 182.4
 176 89.6 0.0 178.2





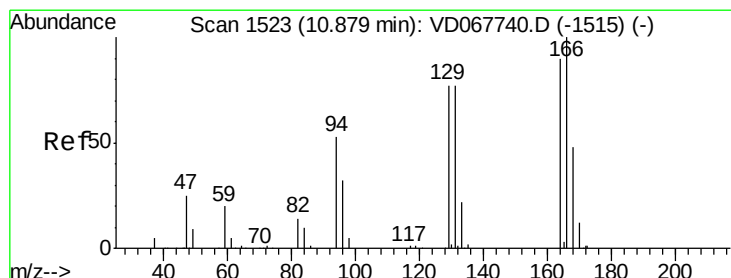
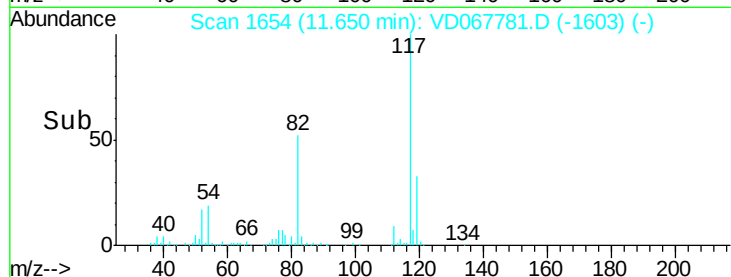
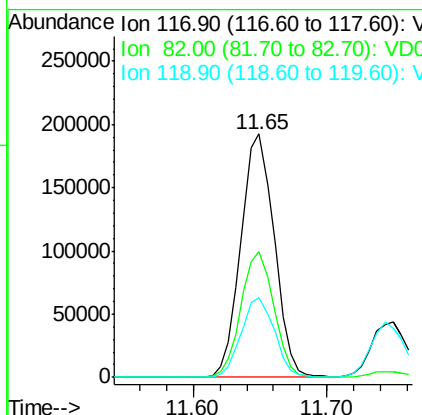
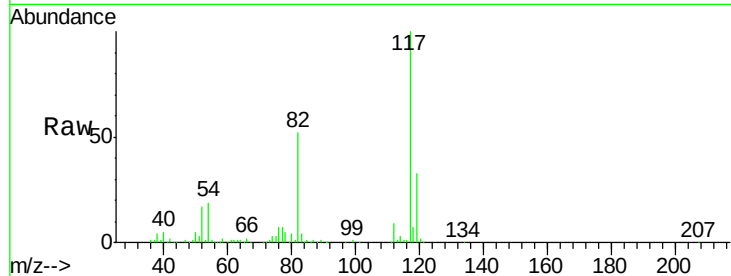
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	333497		
82	51.5		40.2	60.4
119	32.7		26.5	39.7

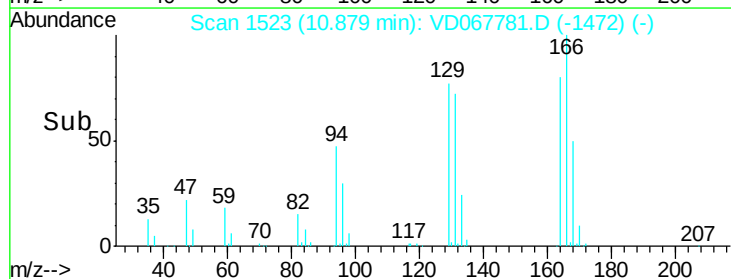
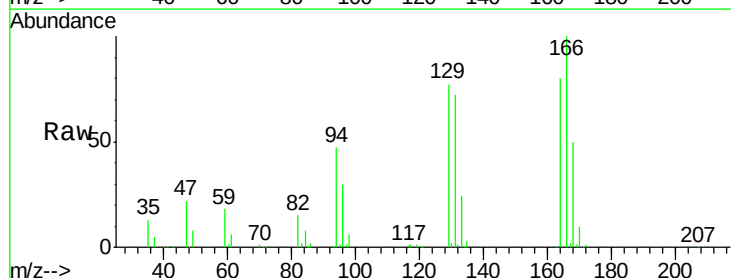
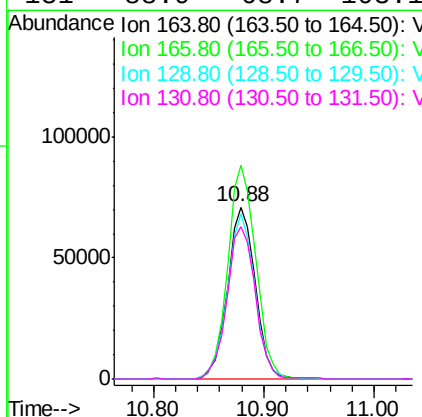
Manual Integrations
APPROVED

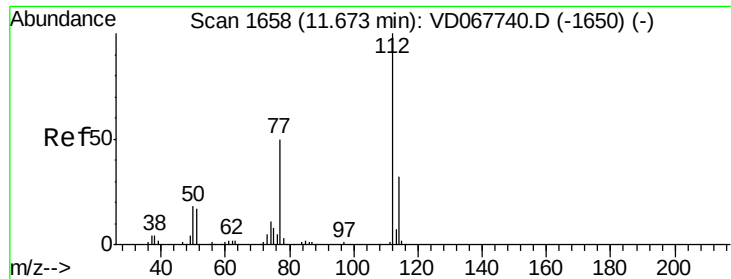
MMDadoda
11/30/2020 9:58:56 AM



#64
Tetrachloroethene
Concen: 48.268 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	124938		
166	124.3		89.2	133.8
129	95.9		68.4	102.6
131	88.9		68.7	103.1





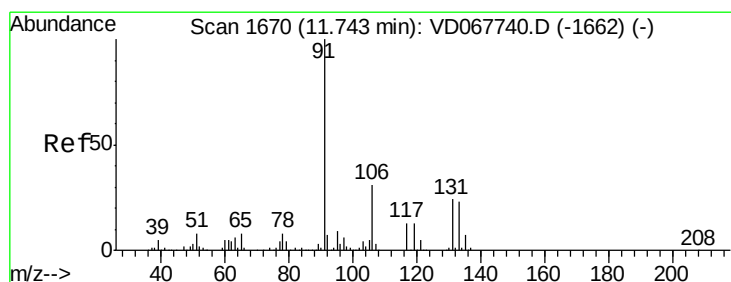
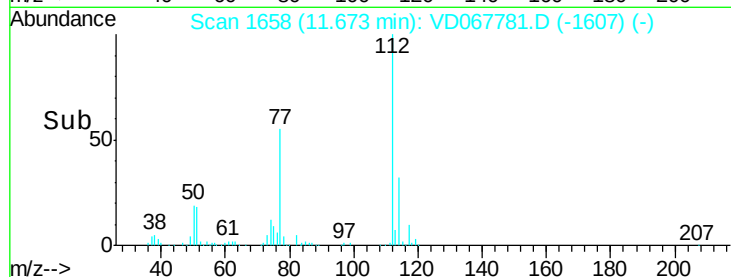
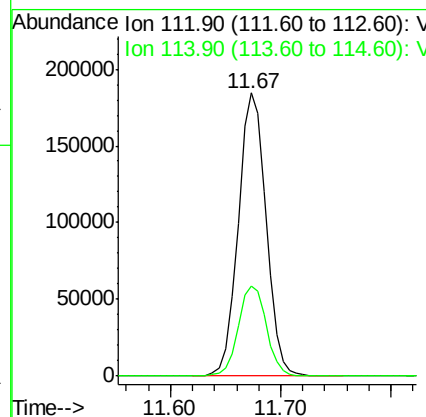
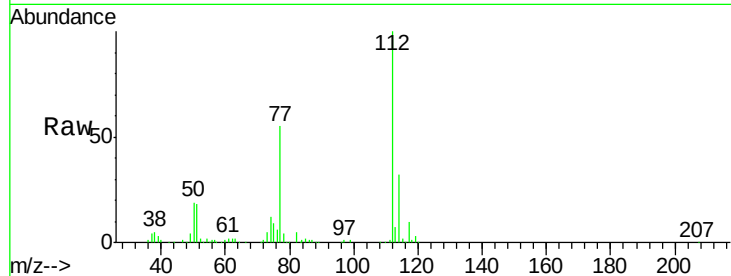
#65
Chlorobenzene
Concen: 49.854 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.8

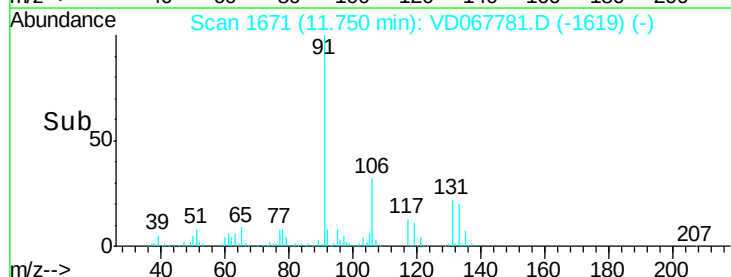
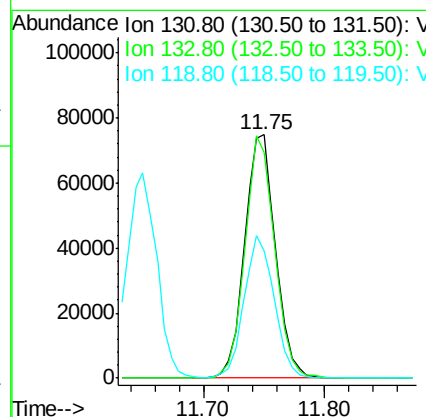
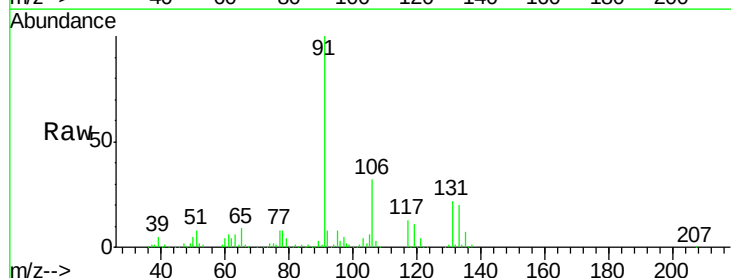
Manual Integrations
APPROVED

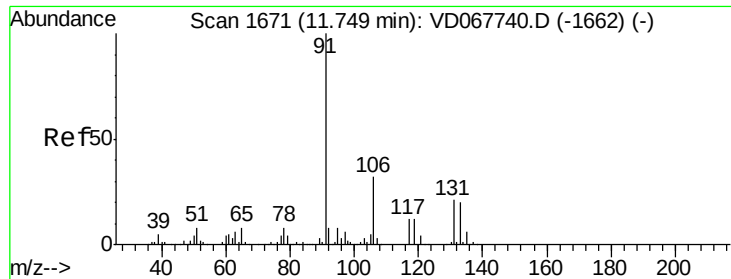
MMDadoda
11/30/2020 9:58:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.349 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	49.0	147.0
119	56.9	28.8	86.5





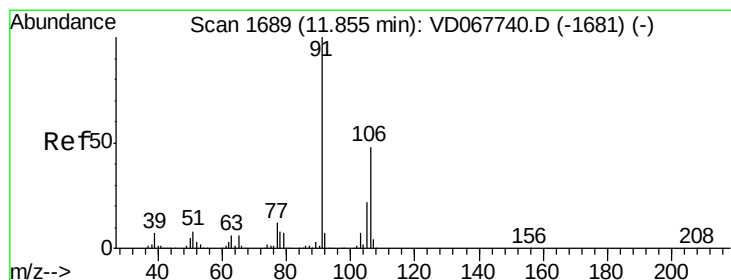
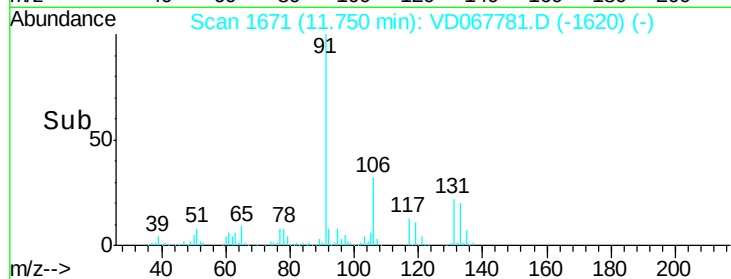
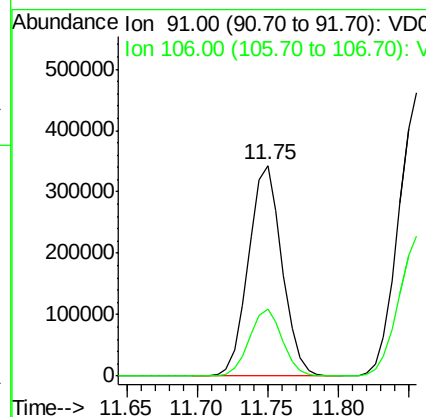
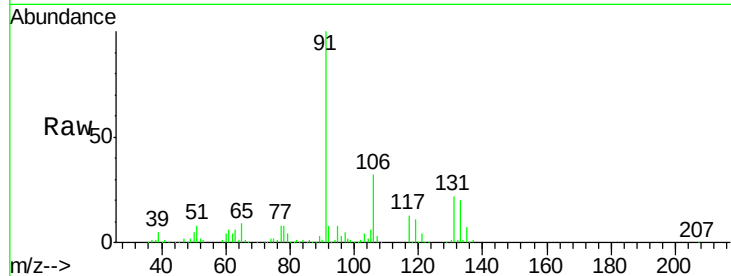
#67
Ethyl Benzene
Concen: 50.407 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 570387
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5

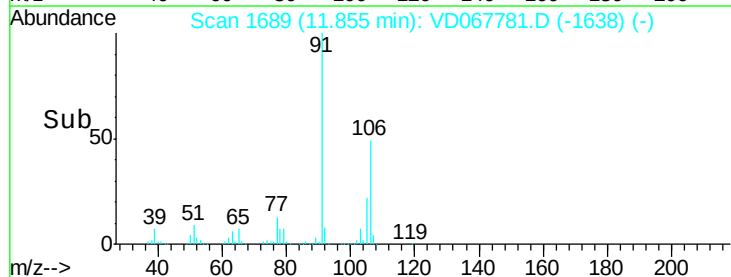
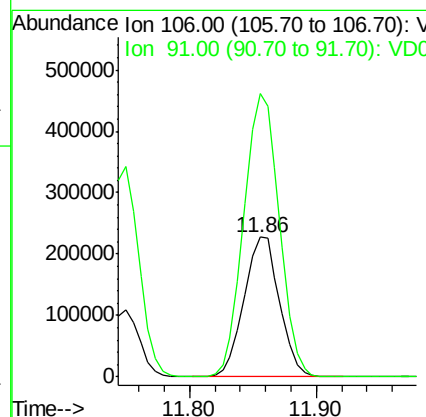
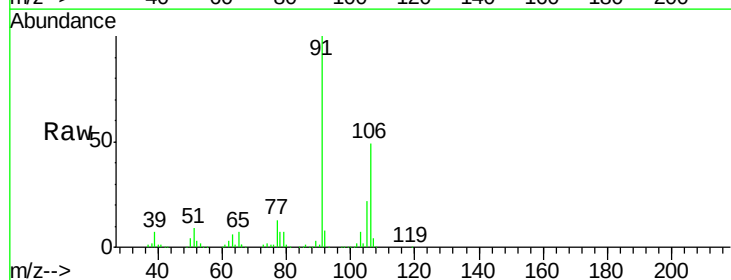
Manual Integrations
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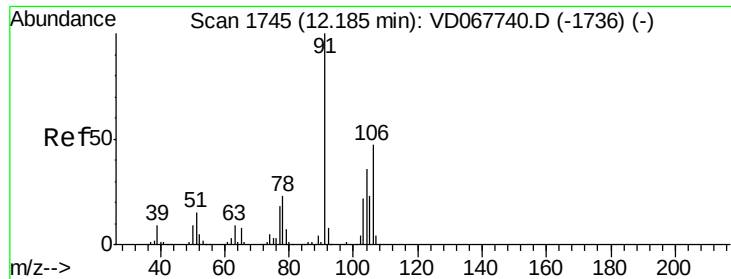
MMDadoda
11/30/2020 9:58:56 AM



#68
m/p-Xylenes
Concen: 100.705 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion: 106 Resp: 443452
Ion Ratio Lower Upper
106 100
91 202.3 163.0 244.6





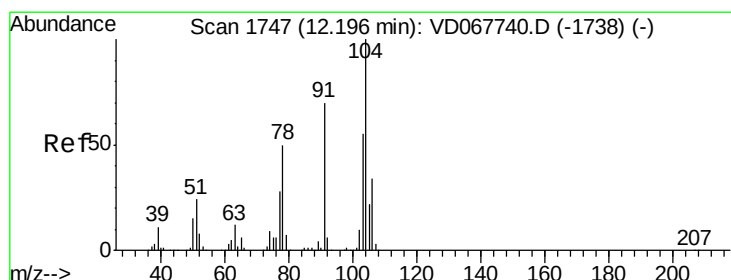
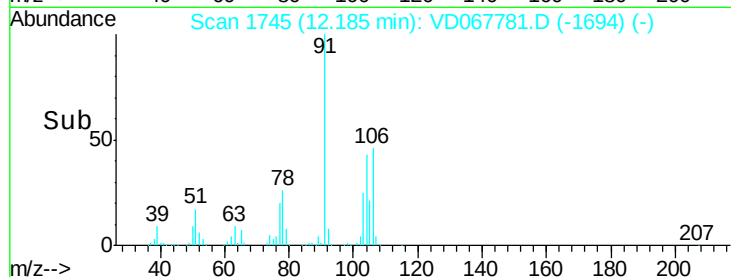
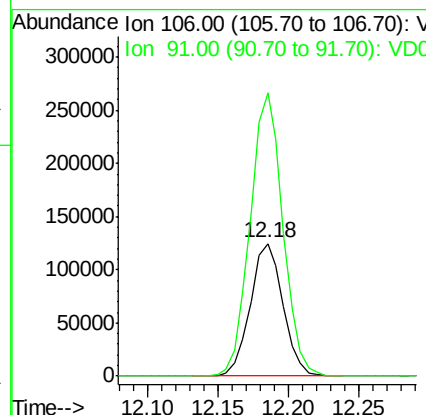
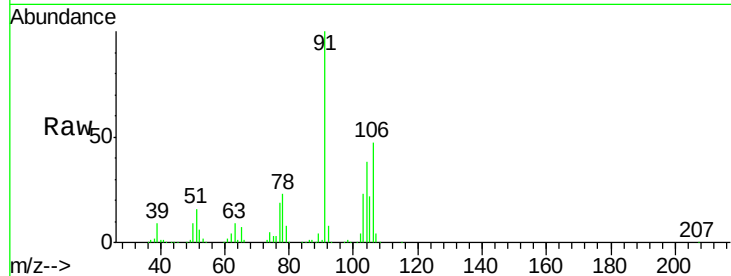
#69
o-Xylene
Concen: 50.649 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.9	106.2	318.6

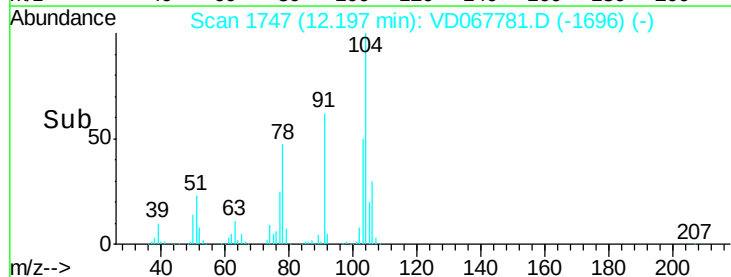
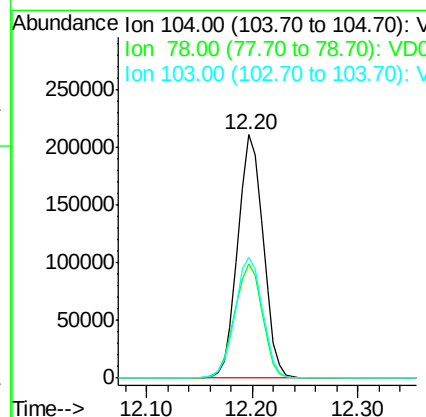
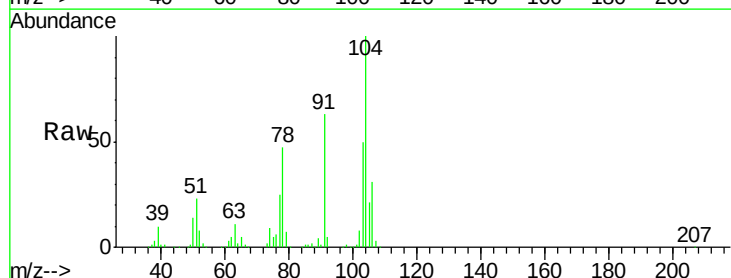
Manual Integrations
APPROVED

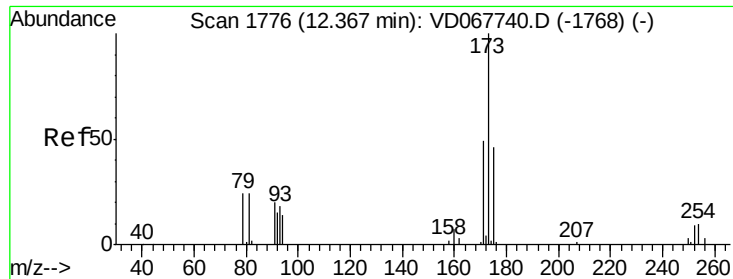
MMDadoda
11/30/2020 9:58:56 AM



#70
Styrene
Concen: 51.428 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.2	41.9	62.9
103	53.7	44.1	66.1





#71

Bromoform

Concen: 47.061 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 67736

Ion Ratio Lower Upper

173 100

175 49.8 23.9 71.7

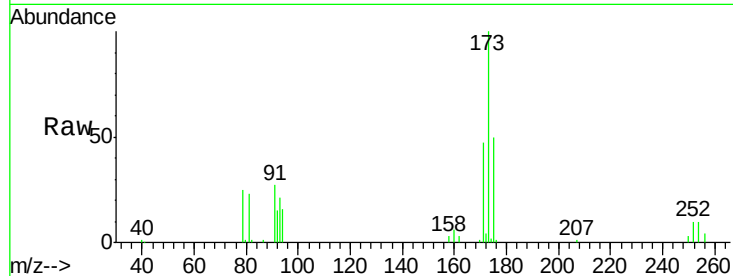
254 0.0 0.0 0.0

Manual Integrations

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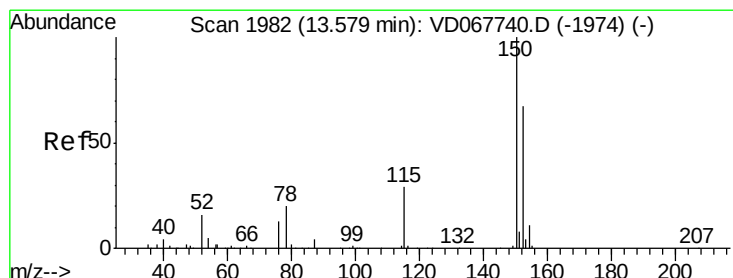
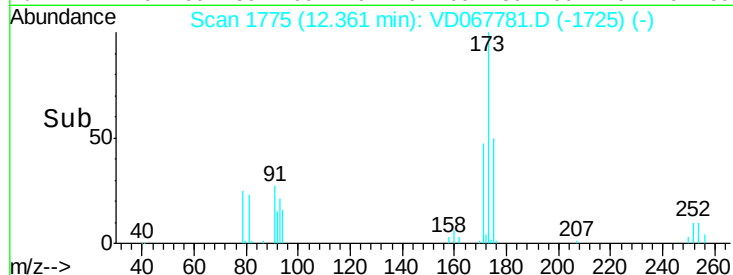
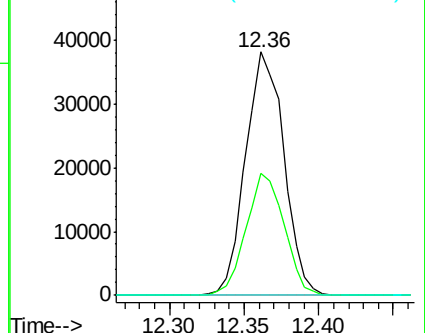
11/30/2020 9:58:56 AM



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. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

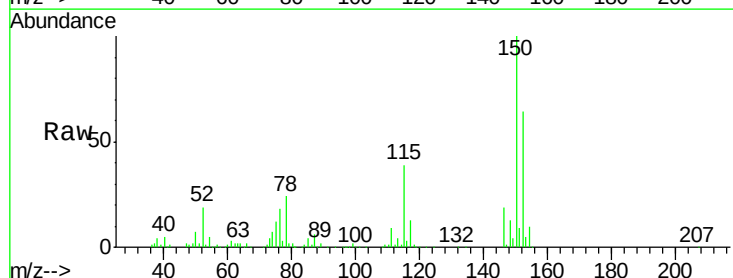
Tgt Ion:152 Resp: 170673

Ion Ratio Lower Upper

152 100

115 59.1 29.4 88.3

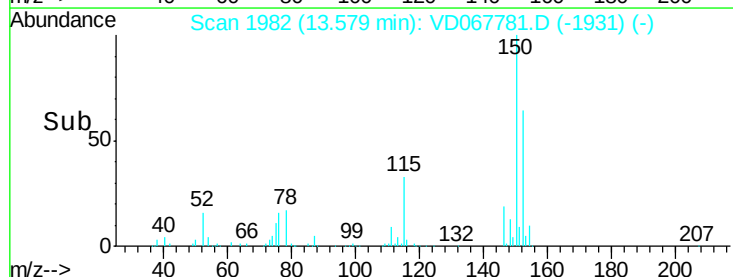
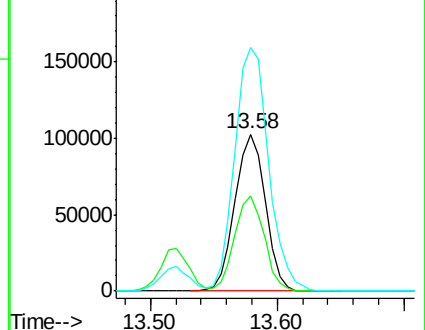
150 172.3 0.0 340.6

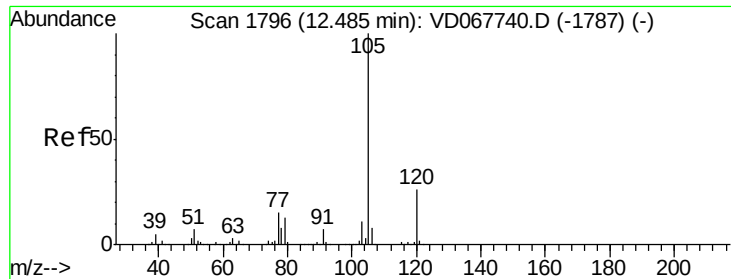


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.084 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 573653

Ion Ratio Lower Upper

105 100

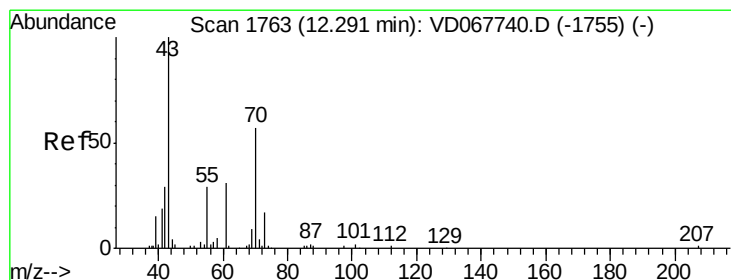
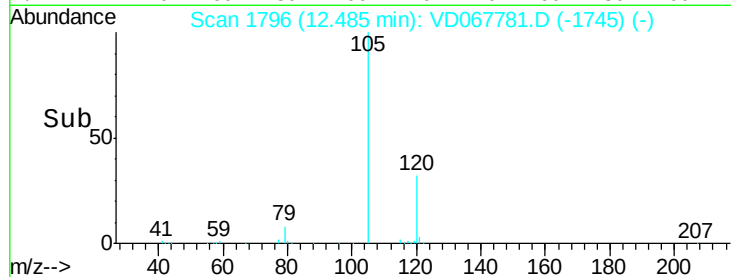
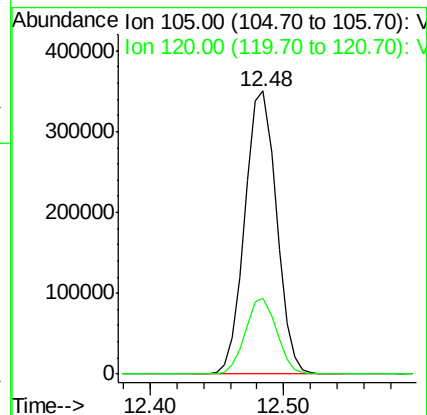
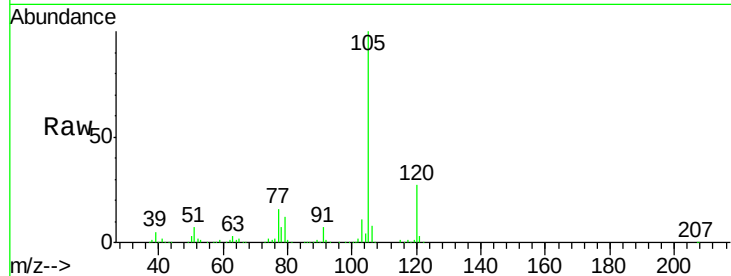
120 26.4 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 45.477 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Tgt Ion: 43 Resp: 67346

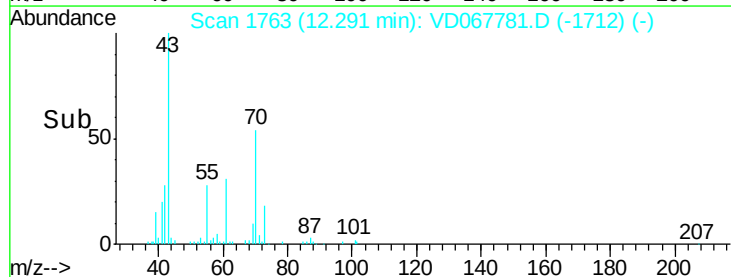
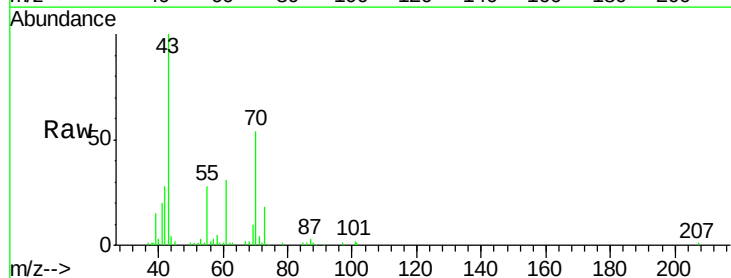
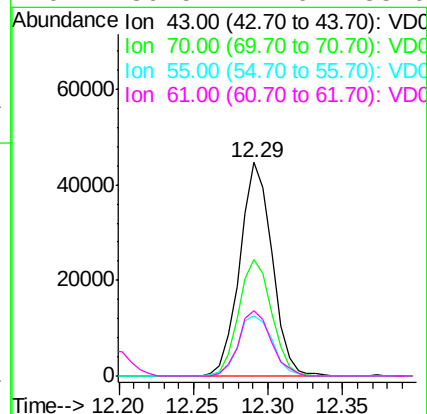
Ion Ratio Lower Upper

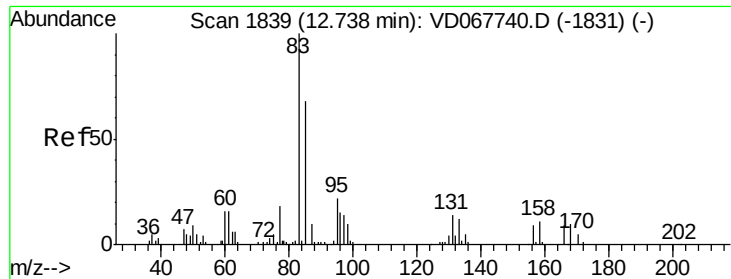
43 100

70 55.5 44.6 66.8

55 29.7 24.2 36.2

61 30.5 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.237 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

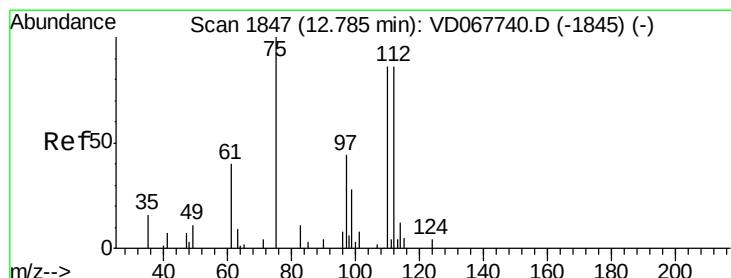
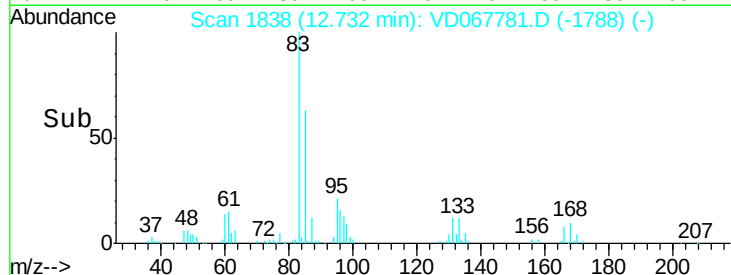
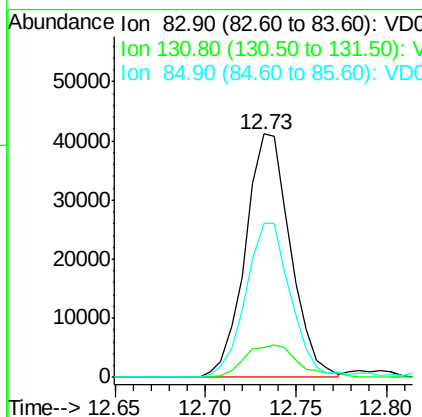
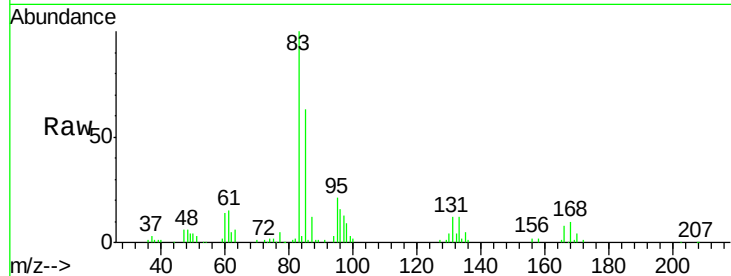
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	71189
Ion Ratio	Lower	Upper	
83	100		
131	15.6	8.1	24.1
85	64.8	33.9	101.7

Manual Integrations
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11/30/2020 9:58:56 AM



#76

1,2,3-Trichloropropane

Concen: 46.121 ug/l m

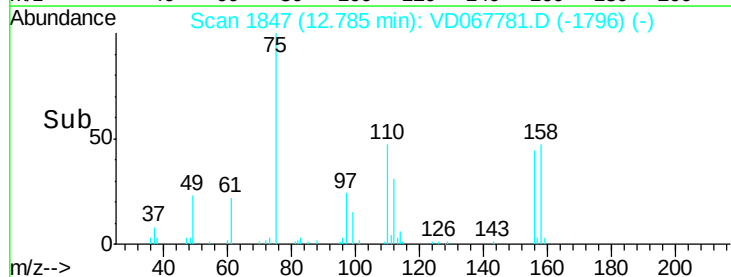
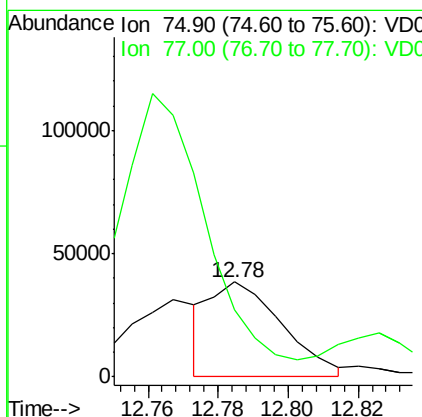
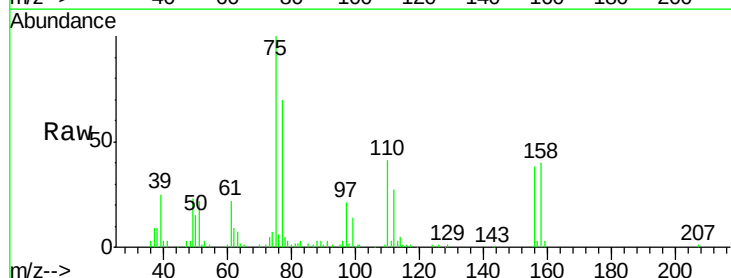
RT: 12.78 min Scan# 1847

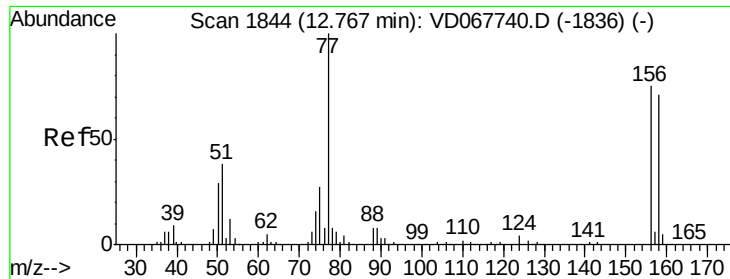
Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Tgt Ion:	75	Resp:	54861
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.683 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

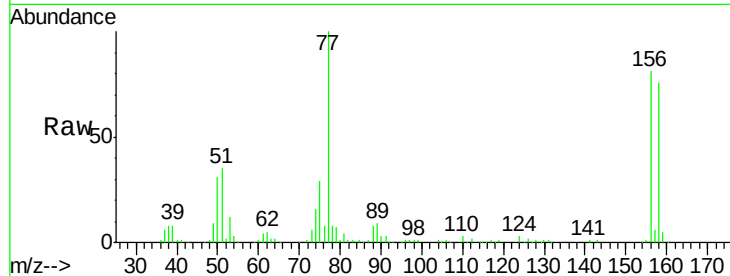
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	139661
Ion Ratio	Lower	Upper	
156	100		
77	147.3	73.5	220.3
158	97.6	48.1	144.4

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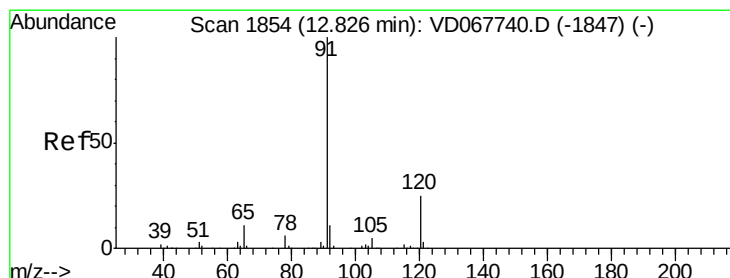
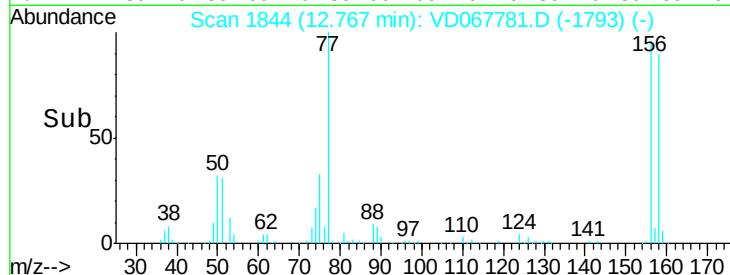
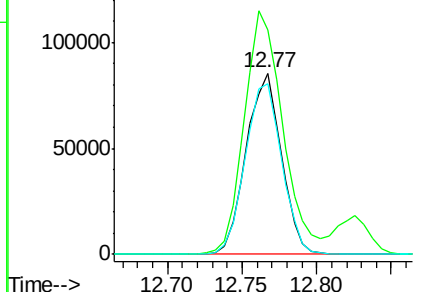
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.935 ug/l

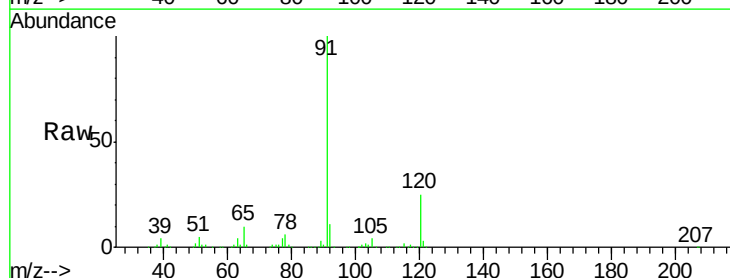
RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD067781.D

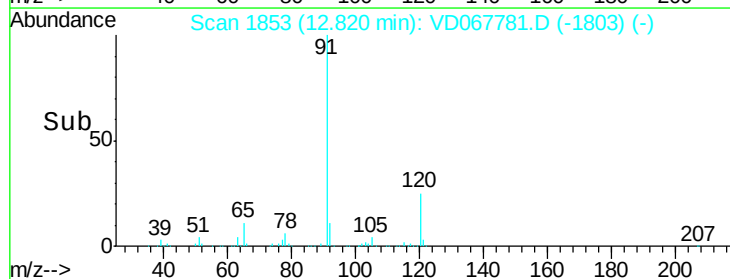
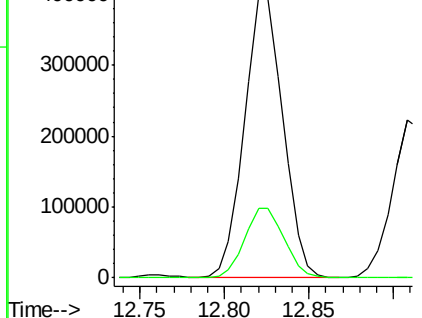
Acq: 25 Nov 2020 12:21

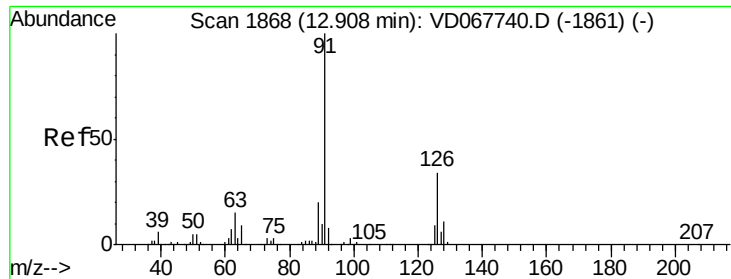
Tgt Ion:	91	Resp:	636355
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.4	37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





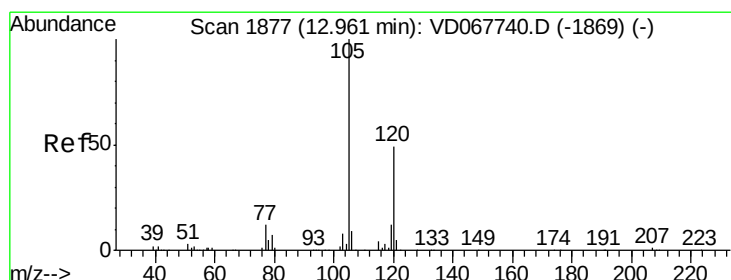
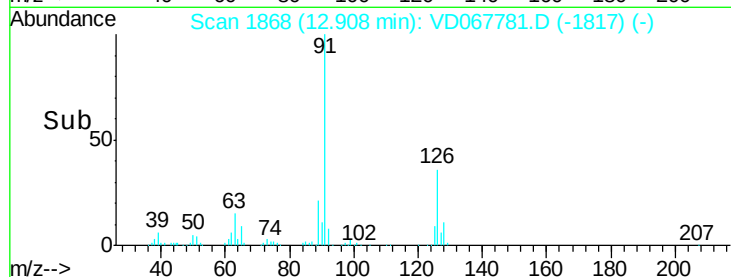
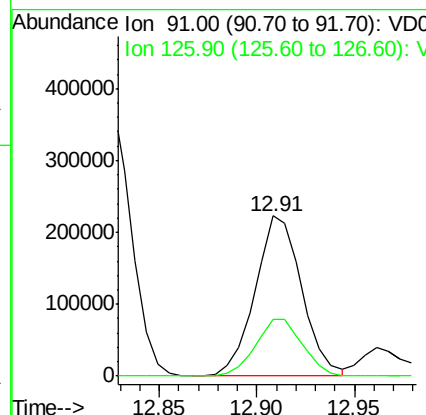
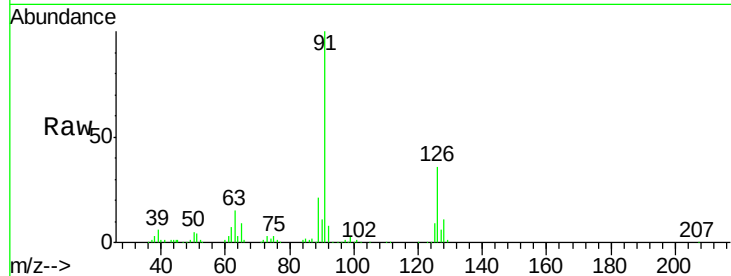
#79
2-Chlorotoluene
Concen: 49.773 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 368163
Ion Ratio Lower Upper
91 100
126 36.2 17.9 53.7

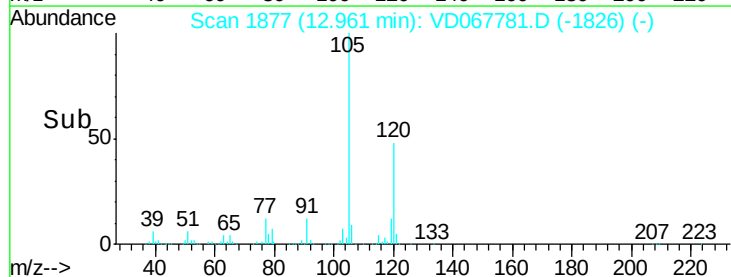
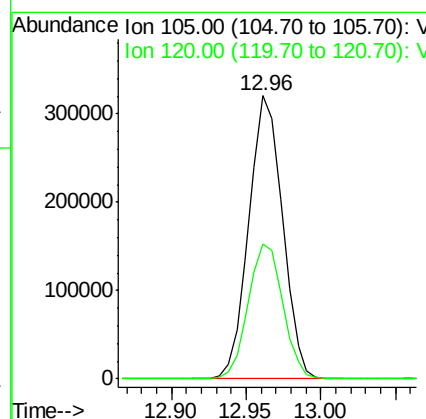
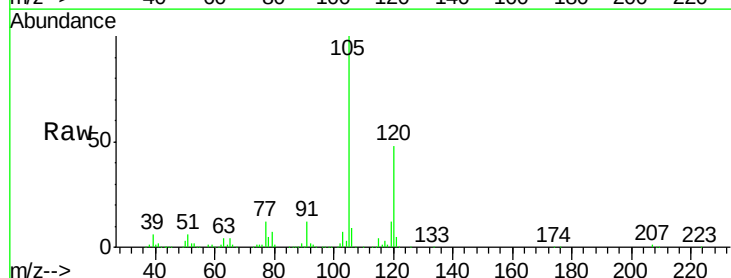
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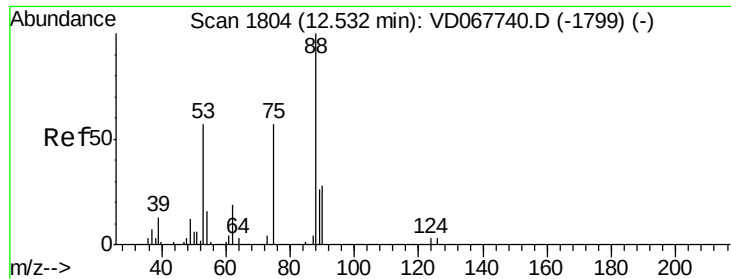
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#80
1,3,5-Trimethylbenzene
Concen: 51.165 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion: 105 Resp: 499736
Ion Ratio Lower Upper
105 100
120 48.9 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 47.514 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

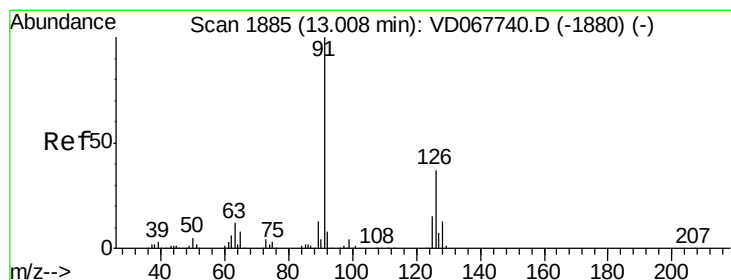
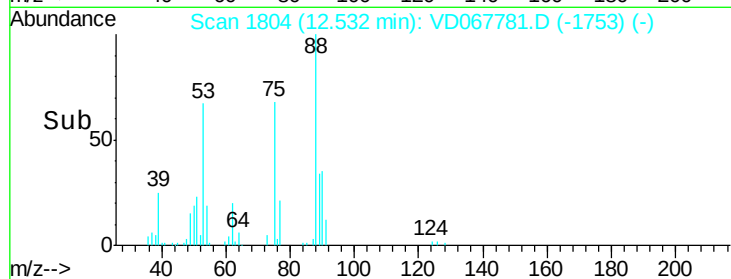
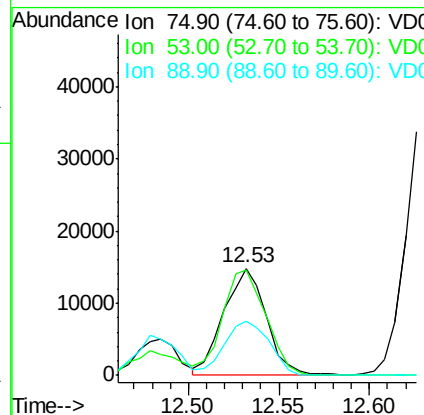
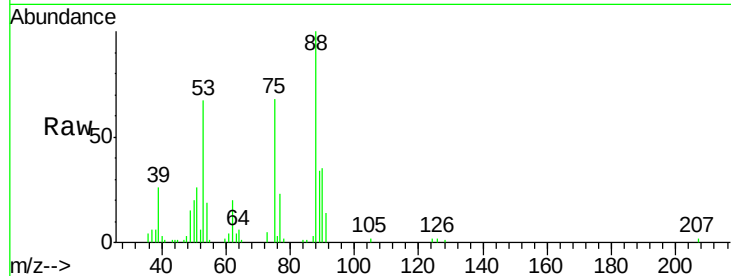
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.7	76.0	114.0
89	53.6	40.2	60.4

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#82

4-Chlorotoluene

Concen: 50.613 ug/l

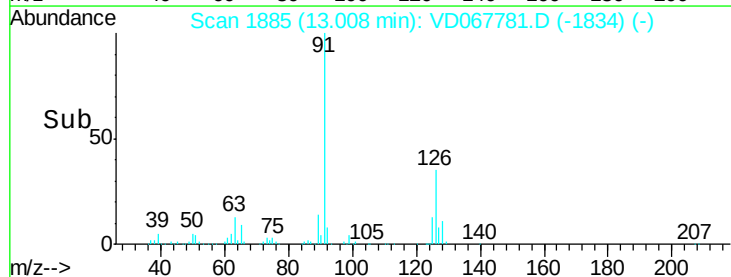
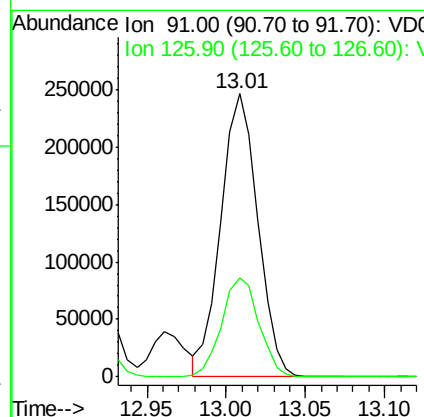
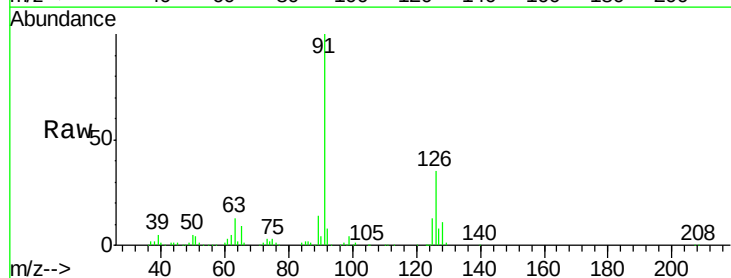
RT: 13.01 min Scan# 1885

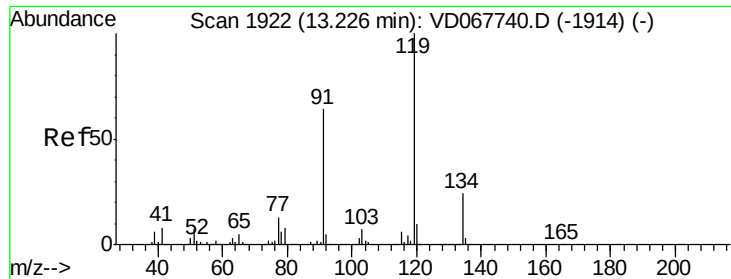
Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.7	53.1





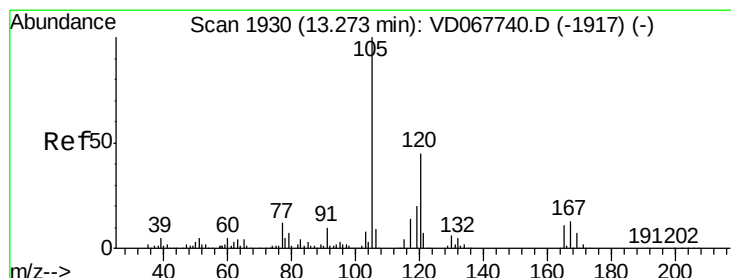
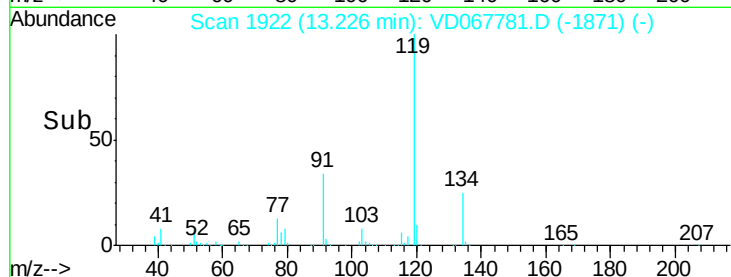
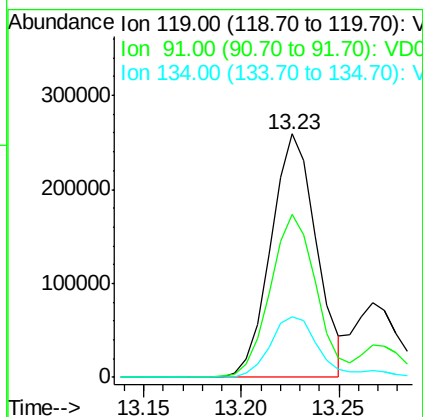
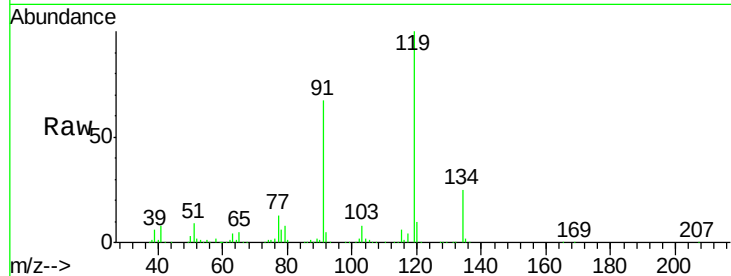
#83
tert-Butylbenzene
Concen: 49.948 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	419210		
91	67.7	32.9	98.7	
134	26.1	12.9	38.6	

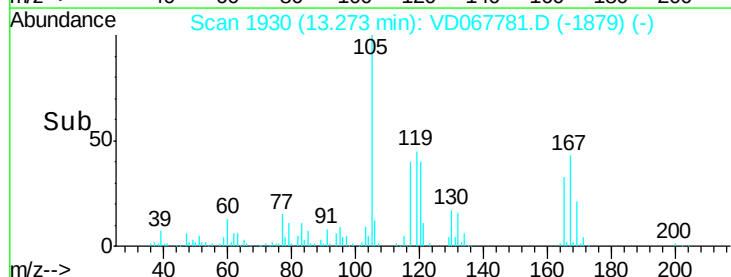
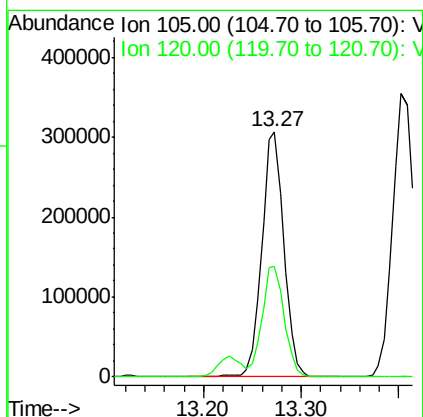
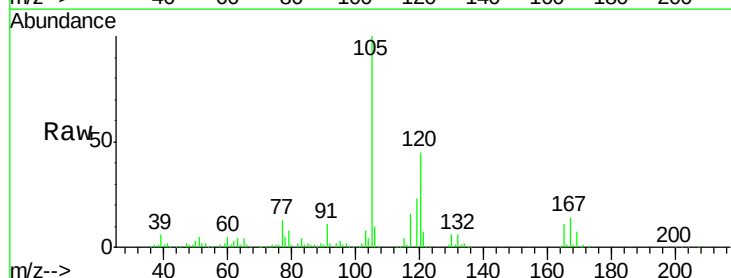
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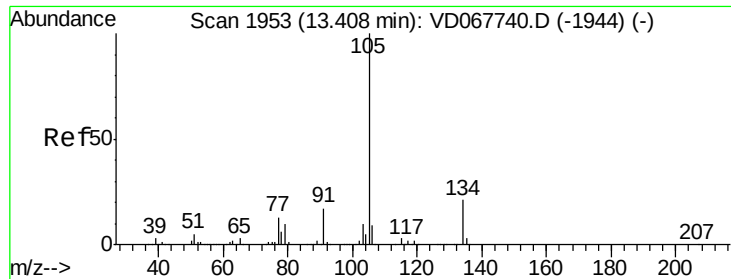
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#84
1,2,4-Trimethylbenzene
Concen: 50.159 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	489393		
120	45.3	22.6	67.7	





#85

sec-Butylbenzene

Concen: 50.510 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 556922

Ion Ratio Lower Upper

105 100

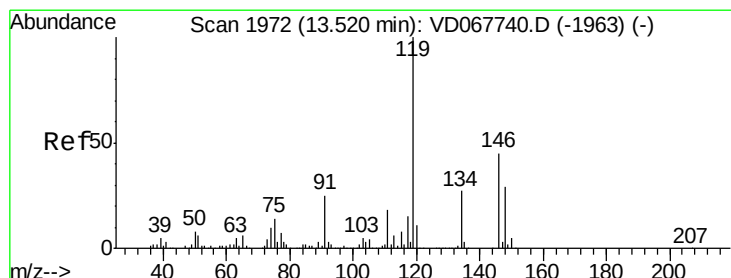
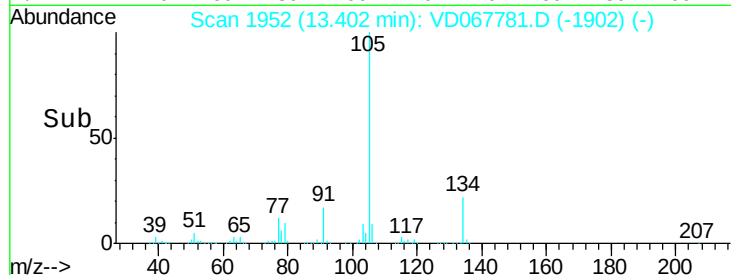
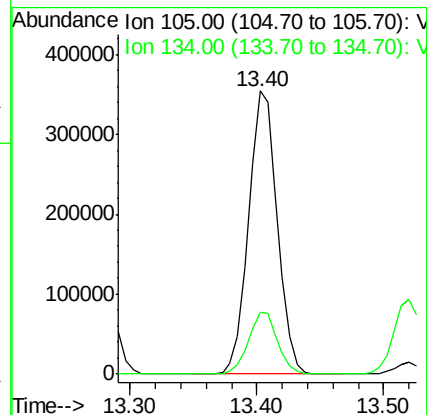
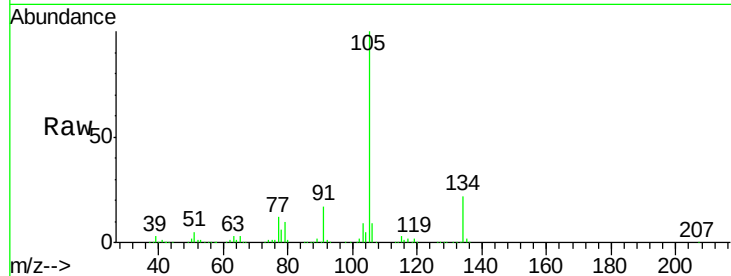
134 22.2 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 51.221 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

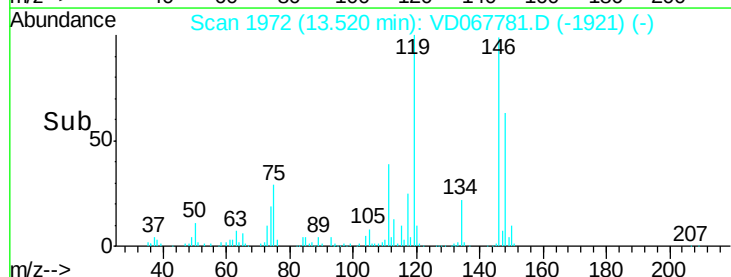
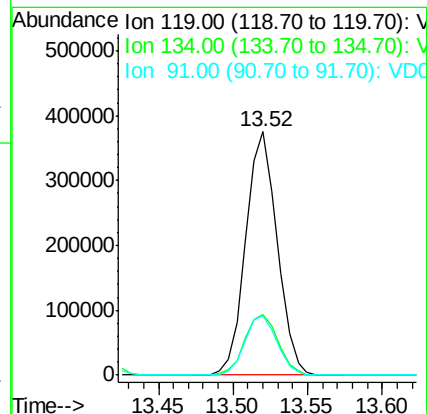
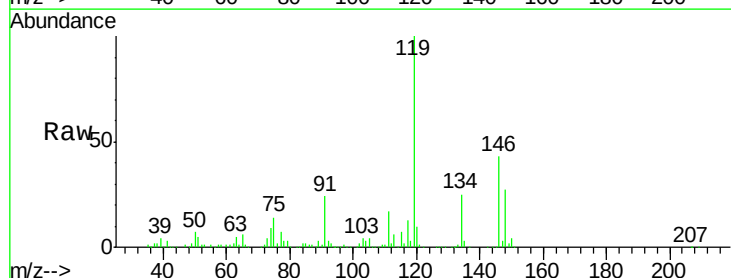
Tgt Ion:119 Resp: 547016

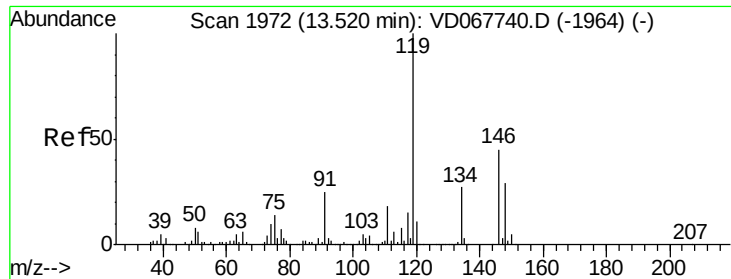
Ion Ratio Lower Upper

119 100

134 26.4 13.0 38.9

91 24.8 12.7 38.1





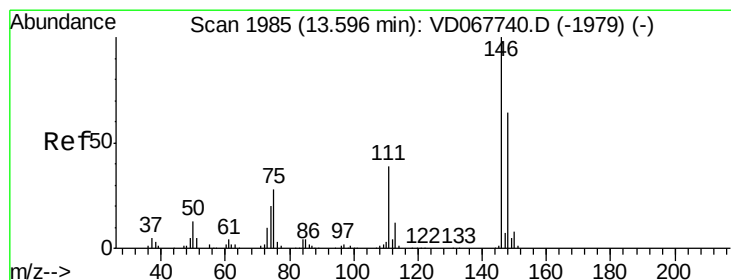
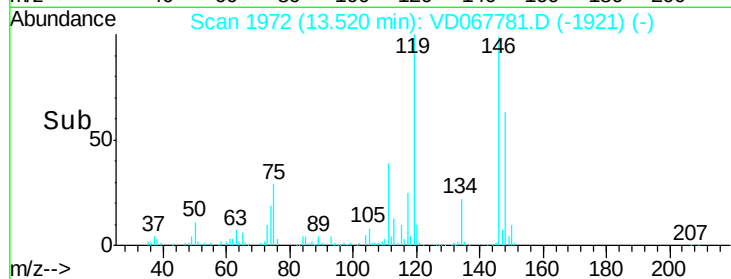
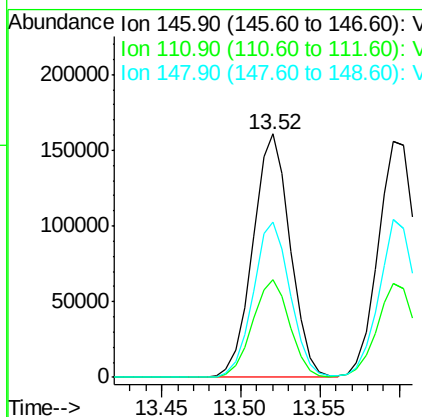
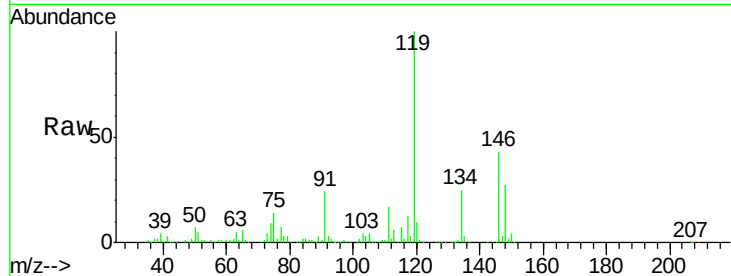
#87
 1,3-Dichlorobenzene
 Concen: 48.353 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	263058		
111	39.9	20.2	60.6	
148	63.3	32.5	97.4	

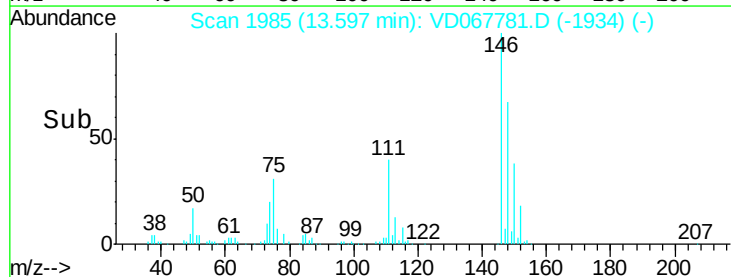
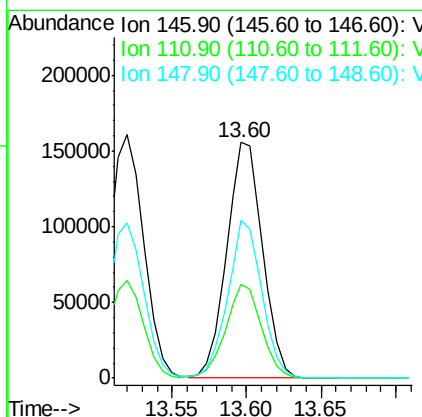
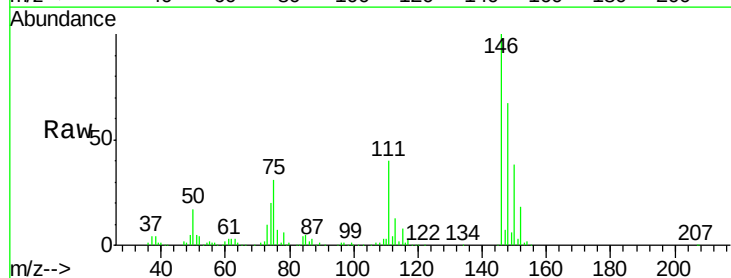
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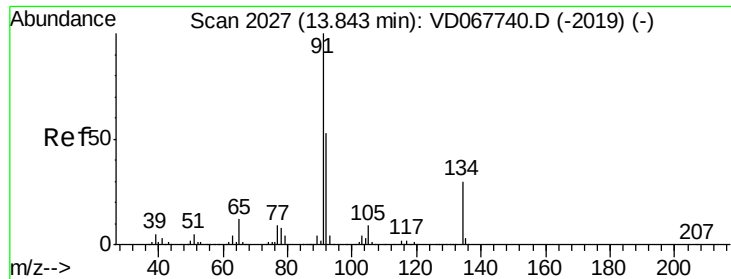
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#88
 1,4-Dichlorobenzene
 Concen: 48.331 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	260462		
111	39.6	19.4	58.4	
148	63.8	31.6	94.8	





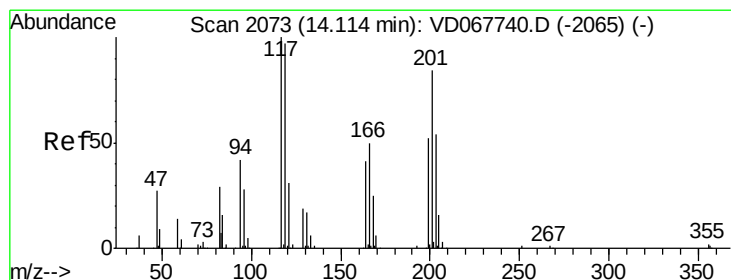
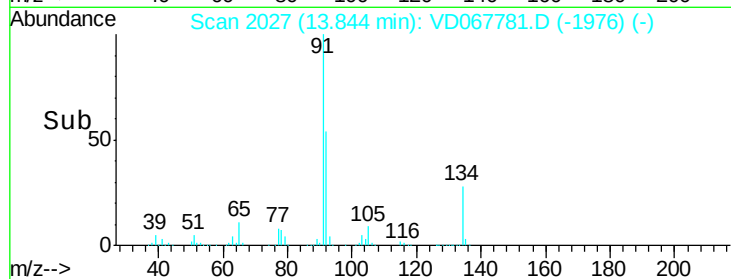
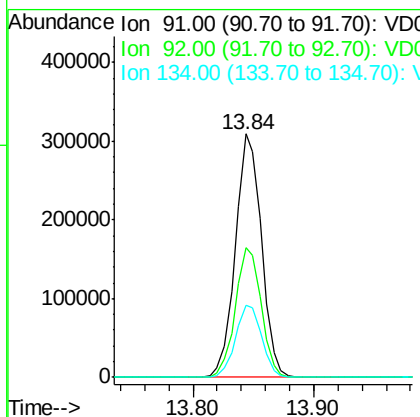
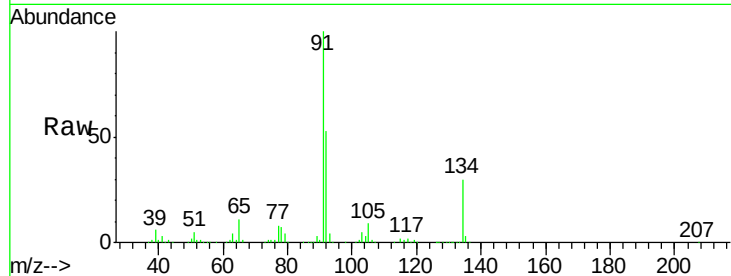
#89
n-Butylbenzene
Concen: 50.628 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.0	26.6	79.7	
134	29.8	14.8	44.3	

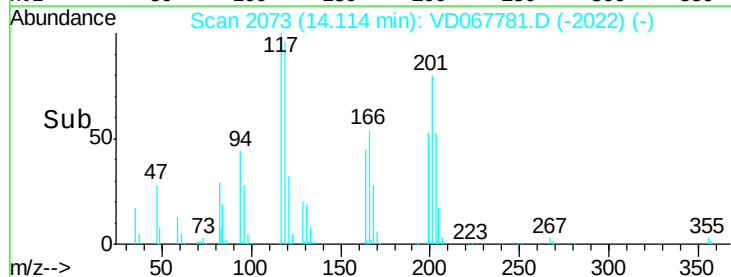
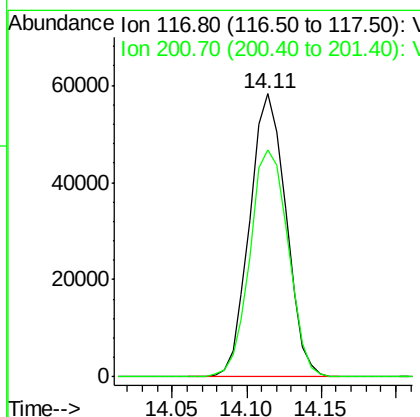
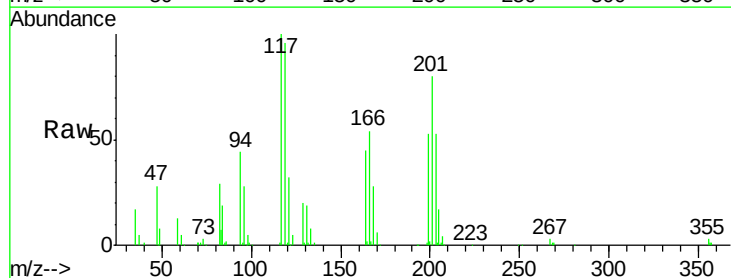
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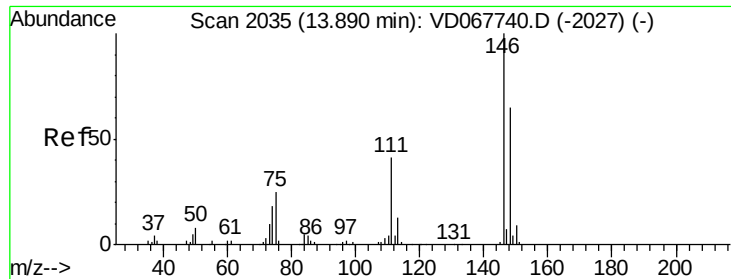
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#90
Hexachloroethane
Concen: 48.282 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067781.D
Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.1	42.2	126.6	





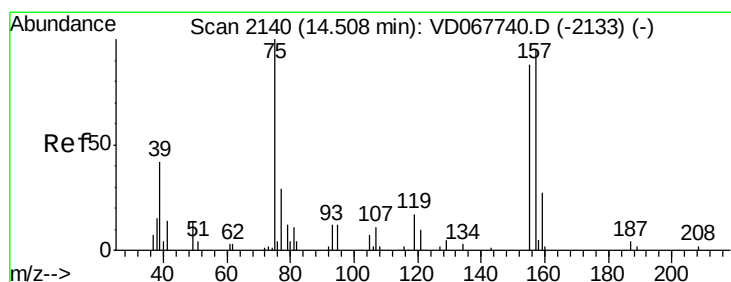
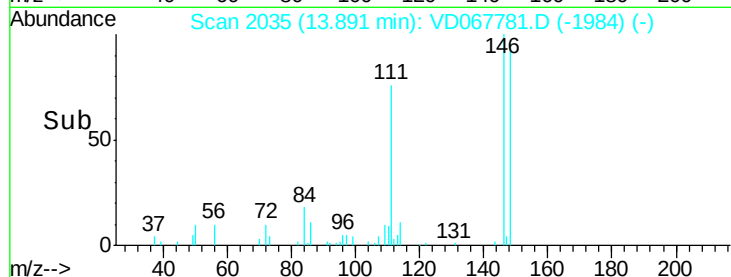
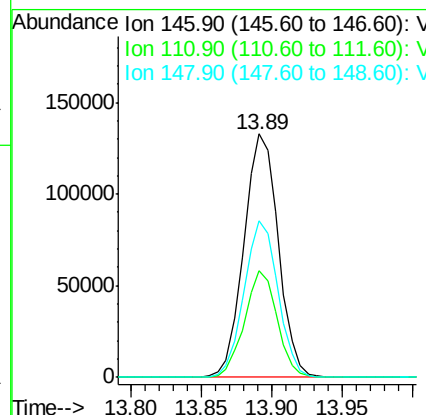
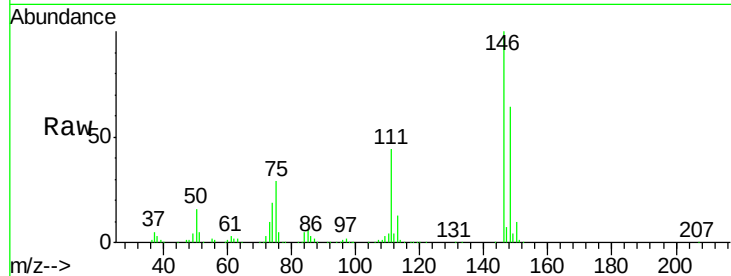
#91
 1,2-Dichlorobenzene
 Concen: 48.343 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	63.5	32.4	97.2

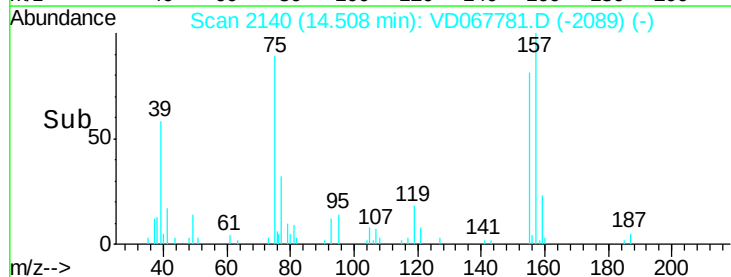
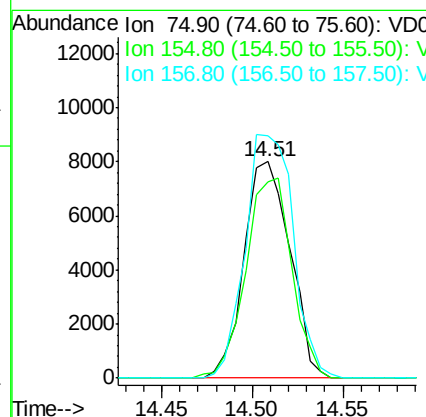
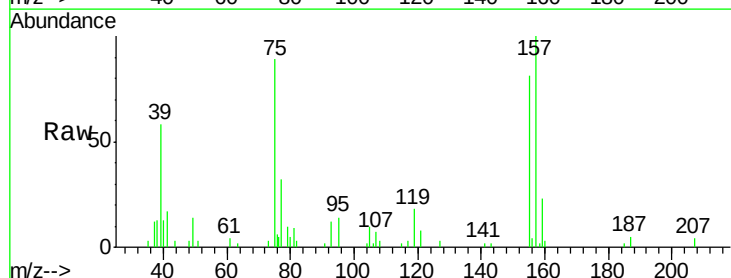
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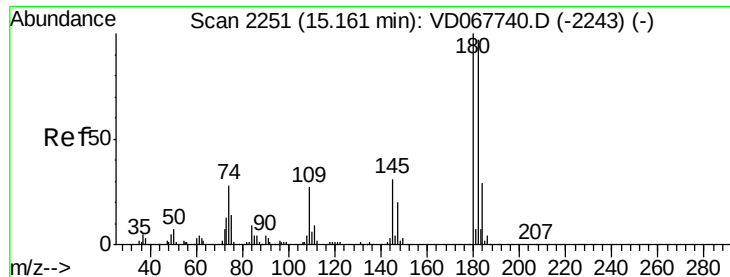
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.497 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	41.0	123.0
157	118.0	51.1	153.4





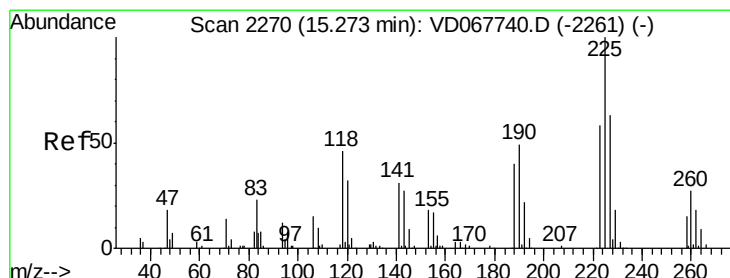
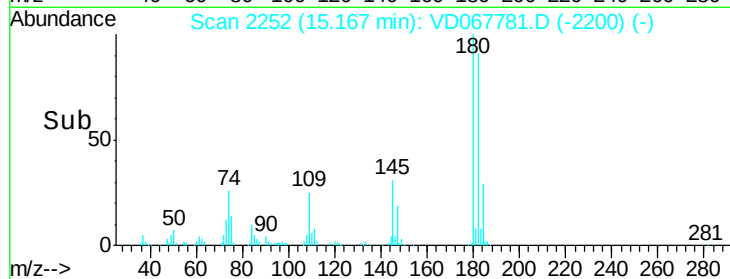
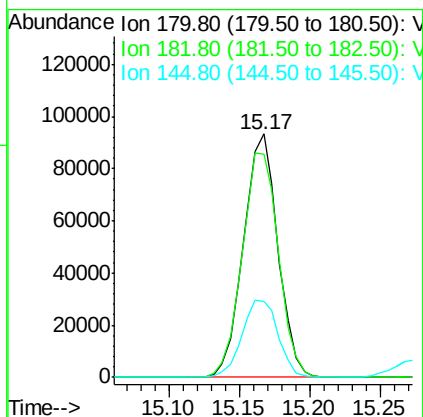
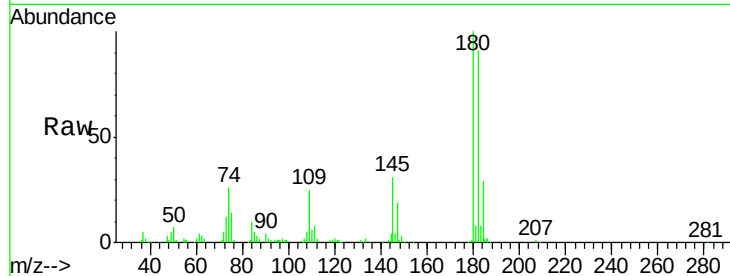
#93
 1,2,4-Trichlorobenzene
 Concen: 48.040 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159412		
182	97.2	47.4	142.2	
145	33.1	16.1	48.3	

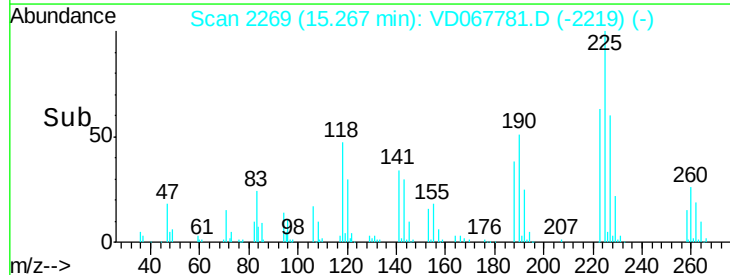
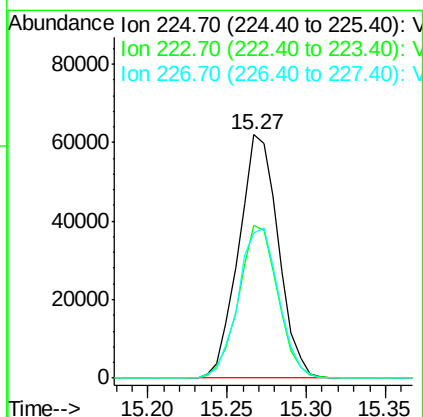
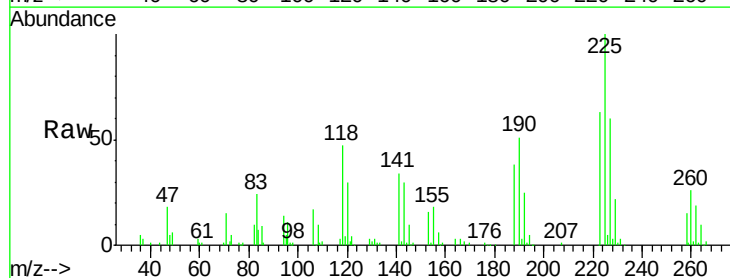
Manual Integrations
 APPROVED

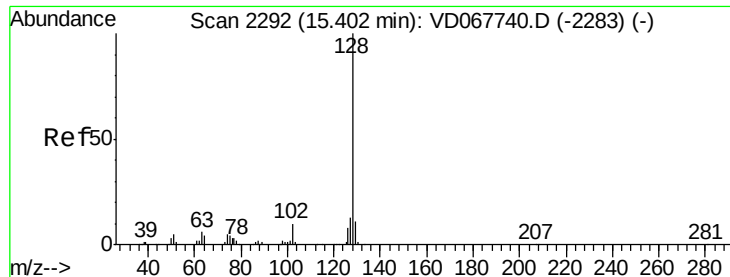
MMDadoda
 11/30/2020 9:58:56 AM



#94
 Hexachlorobutadiene
 Concen: 50.686 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067781.D
 Acq: 25 Nov 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107463		
223	62.0	31.5	94.5	
227	63.1	32.9	98.7	





#95

Naphthalene

Concen: 48.385 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Instrument :

MSVOA_D

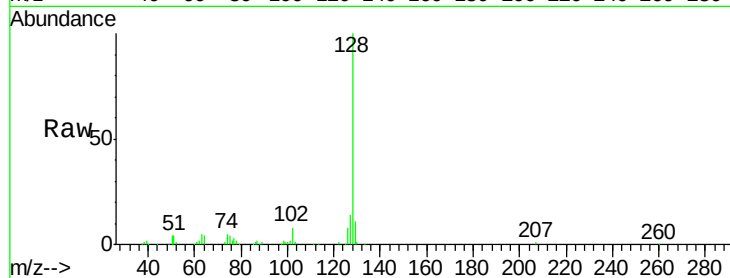
ClientSampleId :

VSTDCCC050

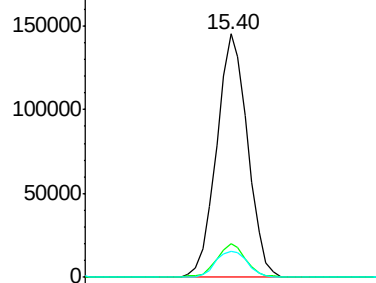
Tot Ion:	128	Resp:	259848
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.7	16.1
129	11.2	8.6	12.8

Manual Integrations
APPROVED

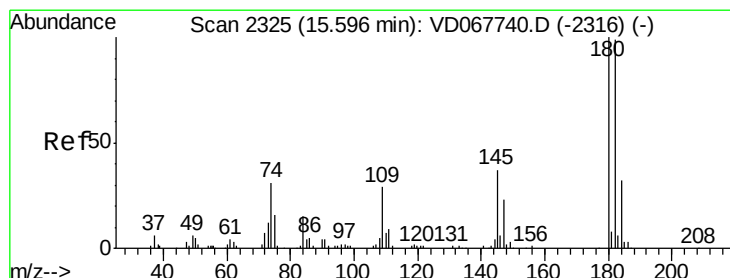
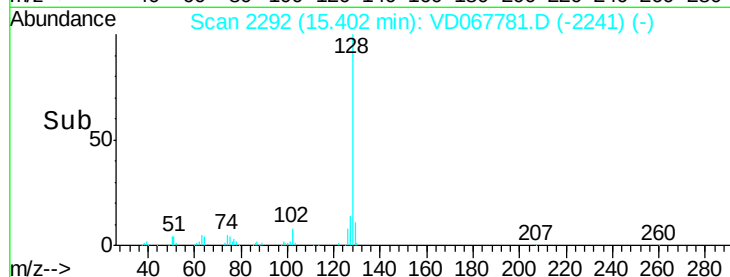
MMDadoda
11/30/2020 9:58:56 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 48.634 ug/l

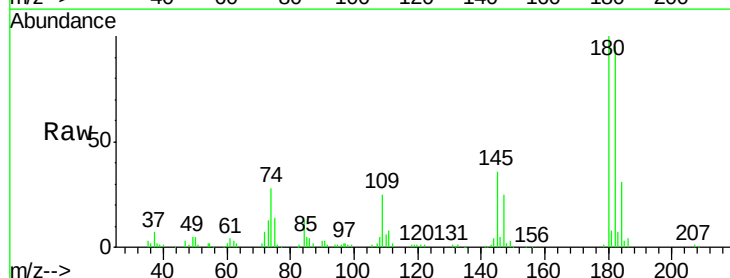
RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

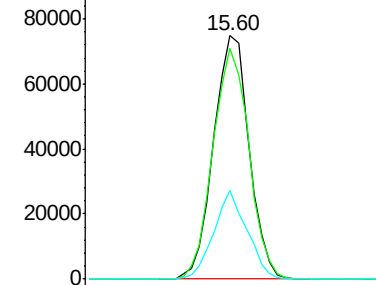
Lab File: VD067781.D

Acq: 25 Nov 2020 12:21

Tgt Ion:	180	Resp:	137468
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.0	144.0
145	34.1	16.8	50.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60

