

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
 Data File : VD067202.D
 Acq On : 08 Oct 2020 18:43
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/9/2020 4:22:32 PM

Quant Time: Oct 09 03:42:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	336670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	519596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	483953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	247732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	162779	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	7.91	113	170337	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.34	98	606567	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.64	95	217153	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	152438	56.931	ug/l	96
3) Chloromethane	2.21	50	105356	39.295	ug/l	94
4) Vinyl Chloride	2.35	62	115101	42.814	ug/l	97
5) Bromomethane	2.77	94	91214	52.887	ug/l	96
6) Chloroethane	2.92	64	72741	44.429	ug/l	97
7) Trichlorofluoromethane	3.27	101	275669	46.153	ug/l	100
8) Diethyl Ether	3.71	74	67937	45.867	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	152734	45.241	ug/l	97
10) Methyl Iodide	4.30	142	154415	47.073	ug/l	98
11) Tert butyl alcohol	5.21	59	42700	218.572	ug/l	97
12) 1,1-Dichloroethene	4.07	96	138074	43.506	ug/l	97
13) Acrolein	3.93	56	53344	245.671	ug/l	99
14) Allyl chloride	4.71	41	166830	40.464	ug/l	89
15) Acrylonitrile	5.43	53	118783	217.896	ug/l	97
16) Acetone	4.16	43	105521	213.168	ug/l	90
17) Carbon Disulfide	4.41	76	402439	41.319	ug/l	99
18) Methyl Acetate	4.73	43	51792	41.629	ug/l	90
19) Methyl tert-butyl Ether	5.48	73	287869	49.687	ug/l	98
20) Methylene Chloride	4.97	84	173196	49.187	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	163755	45.339	ug/l	93
22) Diisopropyl ether	6.37	45	325385	43.229	ug/l	96
23) Vinyl Acetate	6.31	43	948242	222.318	ug/l	94
24) 1,1-Dichloroethane	6.26	63	259221	44.625	ug/l	98
25) 2-Butanone	7.21	43	139507	198.780	ug/l	93
26) 2,2-Dichloropropane	7.21	77	247602	49.834	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	182840	47.400	ug/l	98
28) Bromochloromethane	7.54	49	97076	43.273	ug/l	85
29) Tetrahydrofuran	7.56	42	80403	199.245	ug/l	90
30) Chloroform	7.71	83	302428	47.993	ug/l	99
31) Cyclohexane	7.98	56	186903	38.378	ug/l	91
32) 1,1,1-Trichloroethane	7.91	97	287129	49.166	ug/l	97
36) 1,1-Dichloropropene	8.11	75	218291	45.072	ug/l	98
37) Ethyl Acetate	7.29	43	69519	41.434	ug/l	98
38) Carbon Tetrachloride	8.10	117	270522	51.624	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	233079	45.519	ug/l	97
40) Benzene	8.36	78	624216	46.402	ug/l	100
41) Methacrylonitrile	7.53	41	43255	47.720	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	186633	49.650	ug/l	96
43) Isopropyl Acetate	8.46	43	129066	41.757	ug/l #	93
44) Trichloroethene	9.11	130	196099	48.818	ug/l	99
45) 1,2-Dichloropropane	9.38	63	141540	44.780	ug/l	94
46) Dibromomethane	9.47	93	88555	48.746	ug/l	95
47) Bromodichloromethane	9.66	83	241839	51.212	ug/l	98
48) Methyl methacrylate	9.46	41	62911	39.729	ug/l #	69
49) 1,4-Dioxane	9.47	88	16973	895.195	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	337556	219.253	ug/l	97
52) Toluene	10.40	92	428478	49.446	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	212308	50.304	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	247951	48.112	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	122336	48.436	ug/l	98
56) Ethyl methacrylate	10.66	69	135770	52.066	ug/l	93
57) 1,3-Dichloropropane	10.95	76	198143	48.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	354134	244.000	ug/l	94
59) 2-Hexanone	10.98	43	223486	217.488	ug/l	93
60) Dibromochloromethane	11.14	129	171866	51.054	ug/l	93
61) 1,2-Dibromoethane	11.25	107	120323	49.587	ug/l	98
64) Tetrachloroethene	10.87	164	168849	47.991	ug/l	91
65) Chlorobenzene	11.67	112	469337	48.761	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	187352	51.171	ug/l	98
67) Ethyl Benzene	11.75	91	819322	49.680	ug/l	99
68) m/p-Xylenes	11.86	106	622246	96.816	ug/l	96
69) o-Xylene	12.18	106	291452	50.710	ug/l	94
70) Styrene	12.20	104	498424	50.503	ug/l	98
71) Bromoform	12.37	173	97887	51.505	ug/l #	97
73) Isopropylbenzene	12.48	105	805001	47.856	ug/l	99
74) N-amyl acetate	12.29	43	125248	41.419	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	119563	42.186	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	89328m	41.397	ug/l	
77) Bromobenzene	12.77	156	197203	48.551	ug/l	92
78) n-propylbenzene	12.83	91	932192	46.891	ug/l	98
79) 2-Chlorotoluene	12.91	91	539625	47.443	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	706176	49.689	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	37006	42.756	ug/l	95
82) 4-Chlorotoluene	13.01	91	570420	47.136	ug/l	99
83) tert-Butylbenzene	13.23	119	591879	49.455	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	698086	49.220	ug/l	98
85) sec-Butylbenzene	13.41	105	798099	47.354	ug/l	99
86) p-Isopropyltoluene	13.53	119	756918	48.442	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	369955	46.761	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	366180	46.289	ug/l	99
89) n-Butylbenzene	13.85	91	673271	47.147	ug/l	99
90) Hexachloroethane	14.12	117	127637	46.633	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	325419	47.098	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20494	44.858	ug/l	93

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QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	229414	51.332	ug/l	99
94) Hexachlorobutadiene	15.28	225	134308	48.933	ug/l	99
95) Naphthalene	15.41	128	381272	51.146	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	199918	51.529	ug/l	99

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

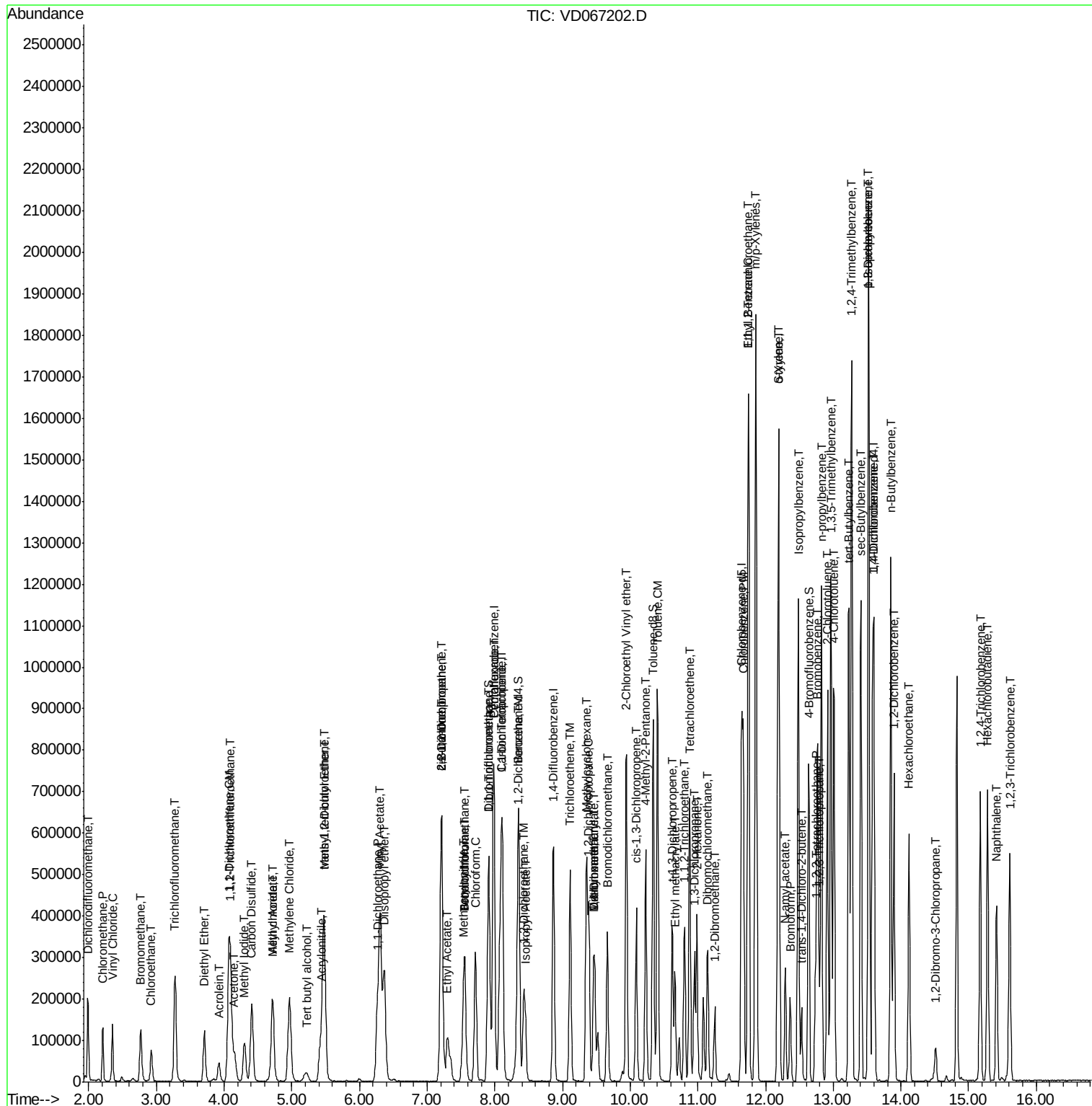
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100820\
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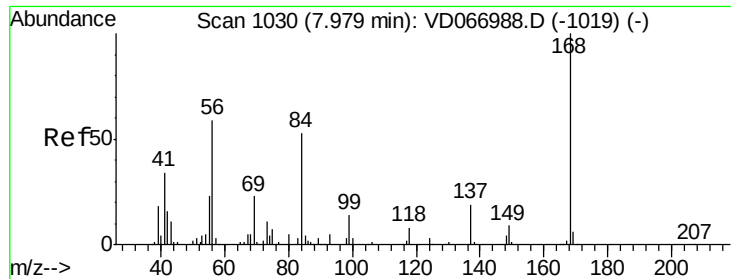
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 336670

Ion Ratio Lower Upper

168 100

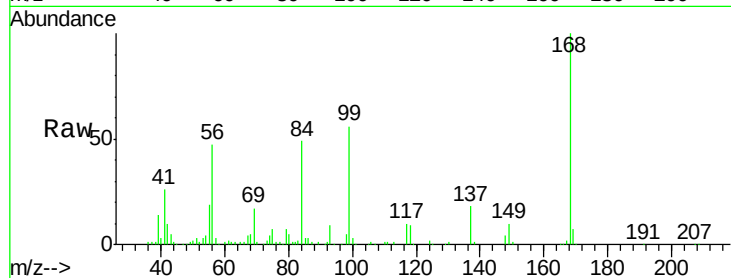
99 56.0 44.1 66.1

Manual Integrations

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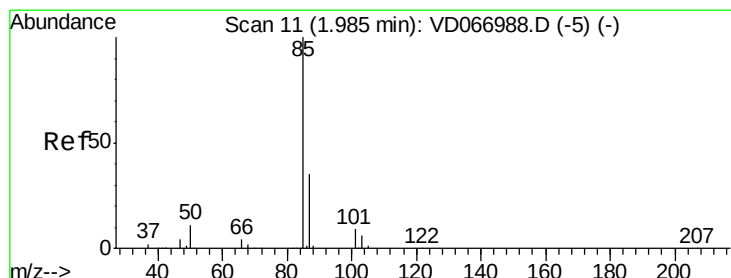
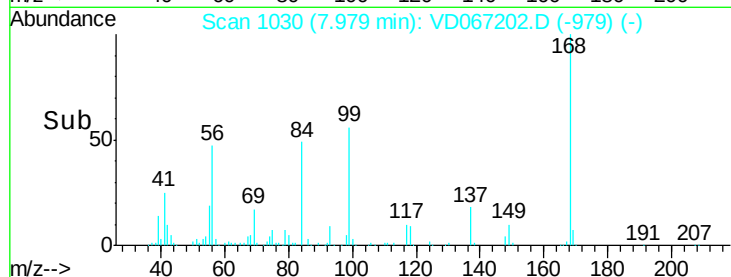
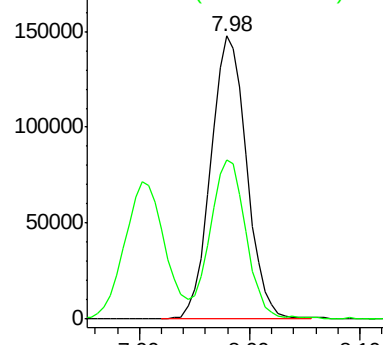
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 56.931 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067202.D

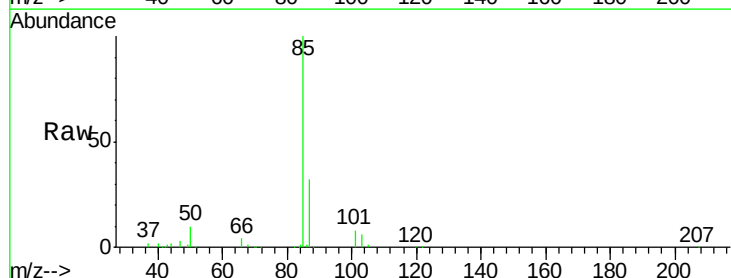
Acq: 08 Oct 2020 18:43

Tgt Ion: 85 Resp: 152438

Ion Ratio Lower Upper

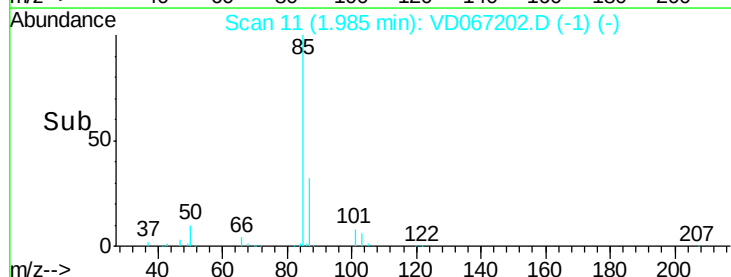
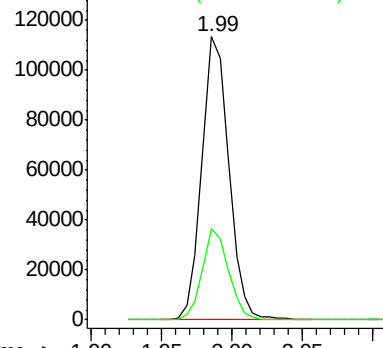
85 100

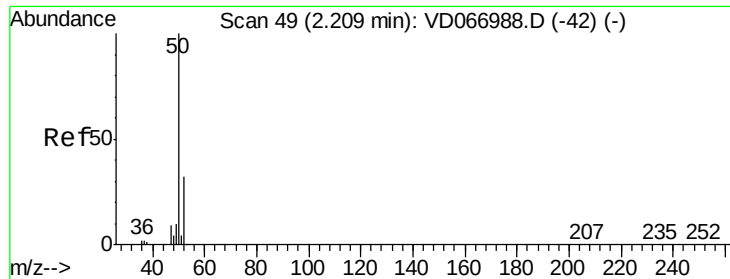
87 32.2 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 39.295 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 105356

Ion Ratio Lower Upper

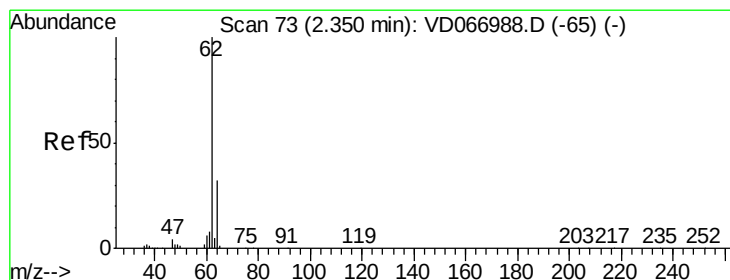
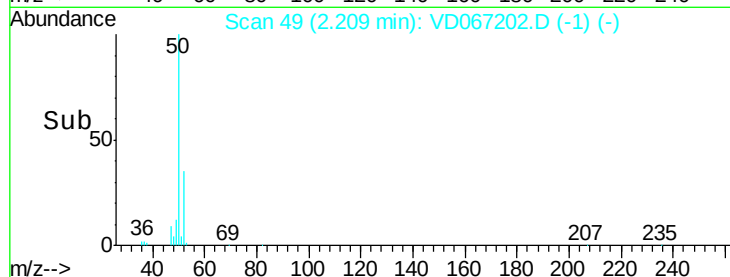
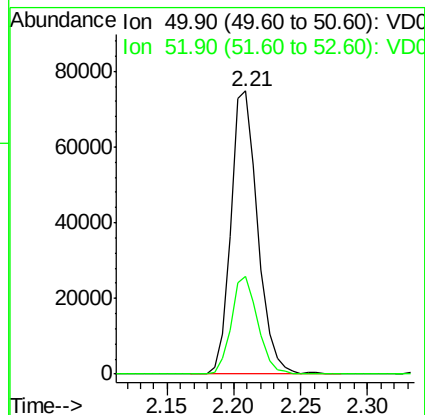
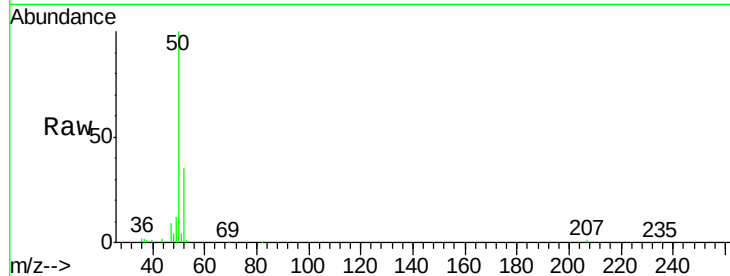
50 100

52 34.6 25.3 37.9

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#4

Vinyl Chloride

Concen: 42.814 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067202.D

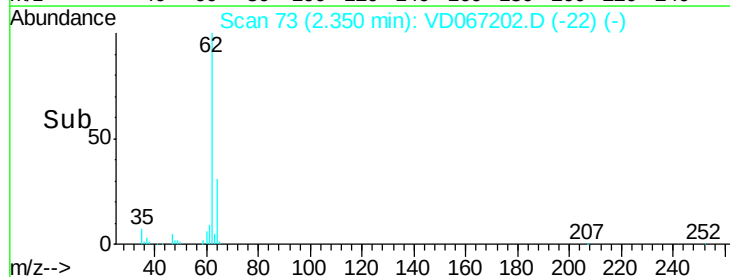
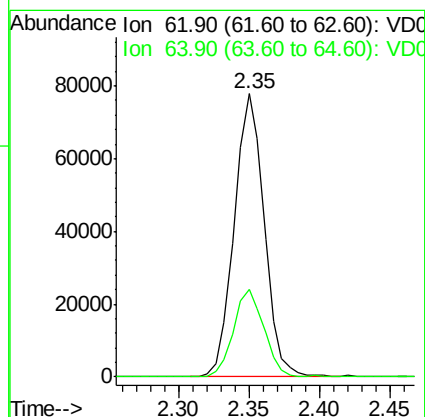
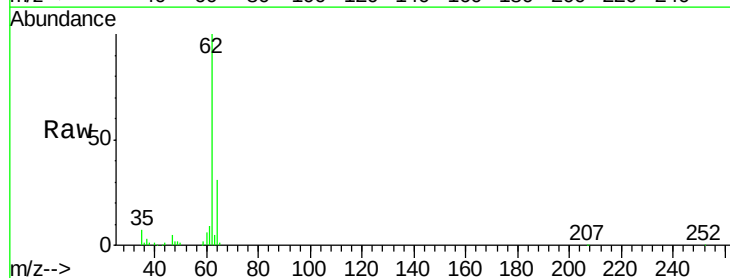
Acq: 08 Oct 2020 18:43

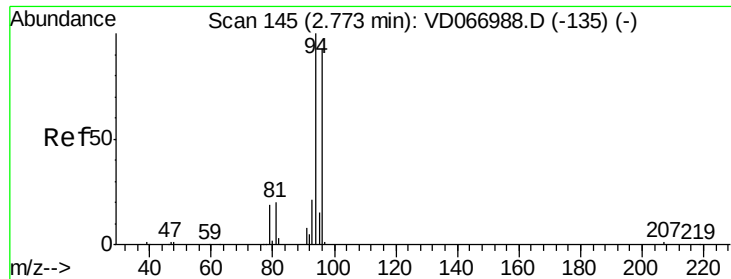
Tgt Ion: 62 Resp: 115101

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.8





#5

Bromomethane

Concen: 52.887 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 91214

Ion Ratio Lower Upper

94 100

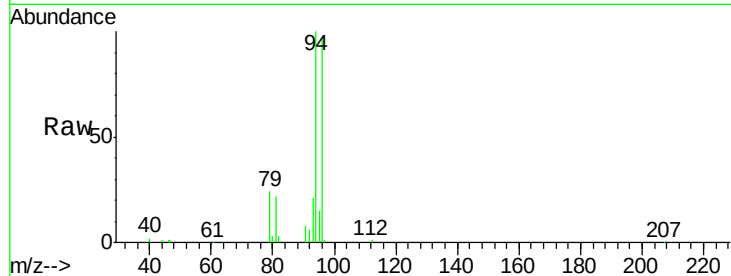
96 97.0 74.6 112.0

Manual Integrations

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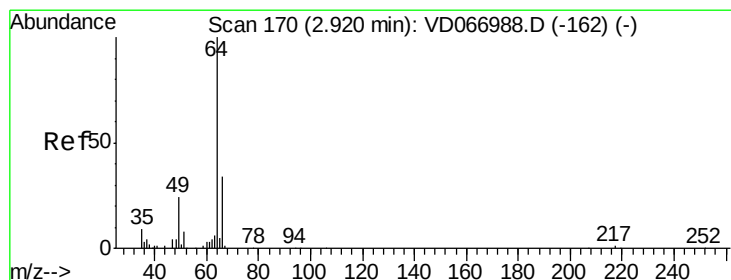
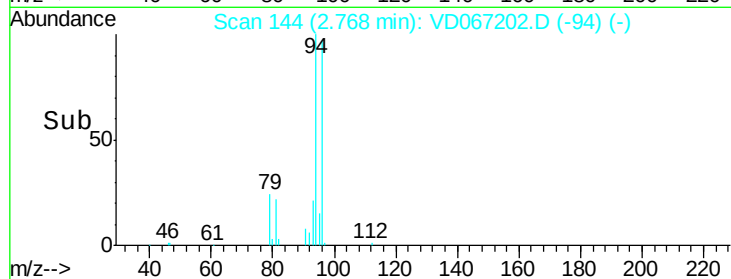
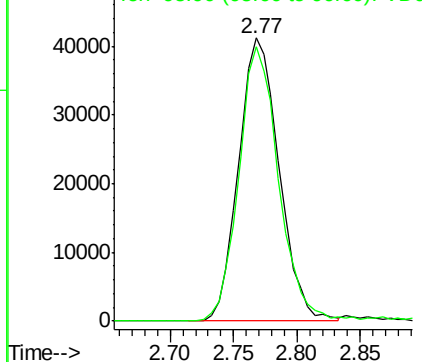
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.429 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067202.D

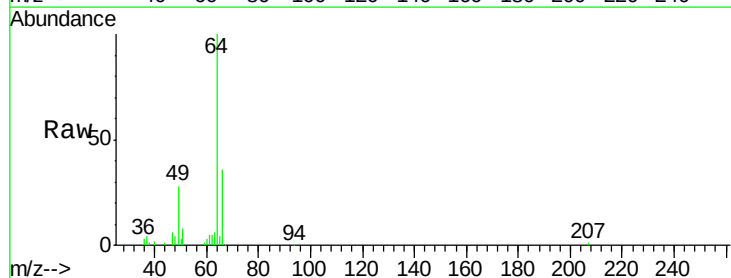
Acq: 08 Oct 2020 18:43

Tgt Ion: 64 Resp: 72741

Ion Ratio Lower Upper

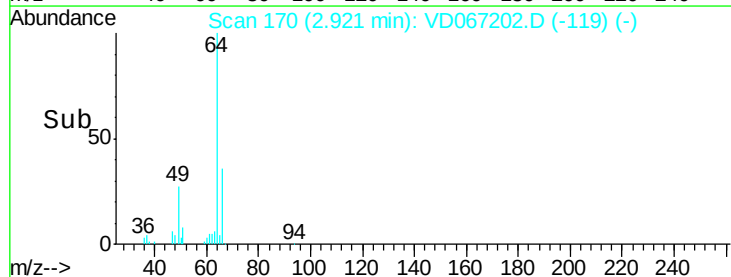
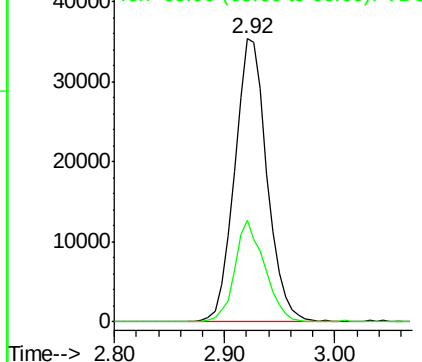
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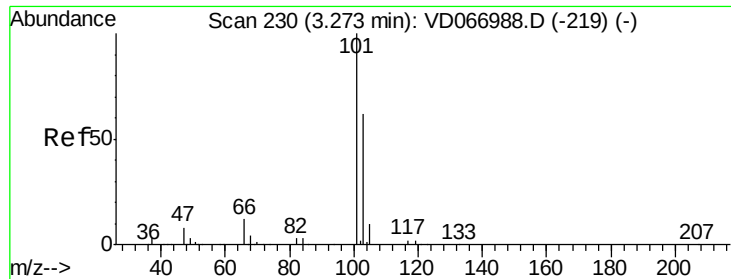
66 35.7 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

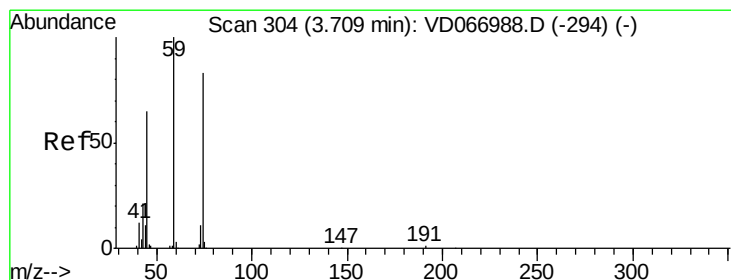
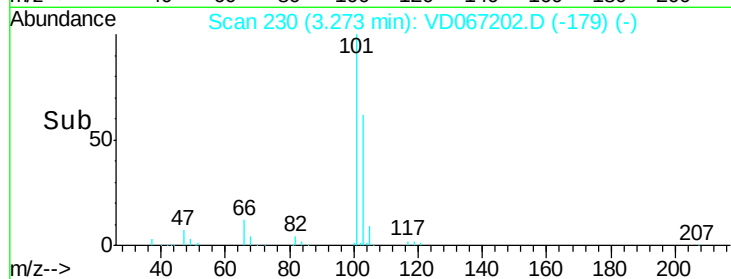
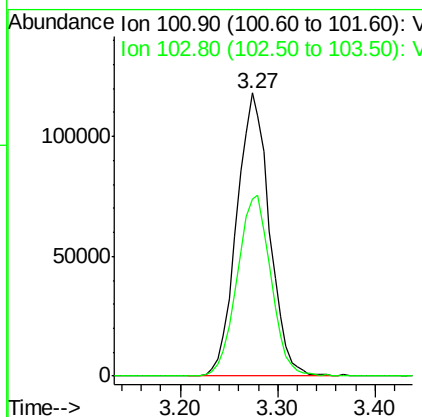
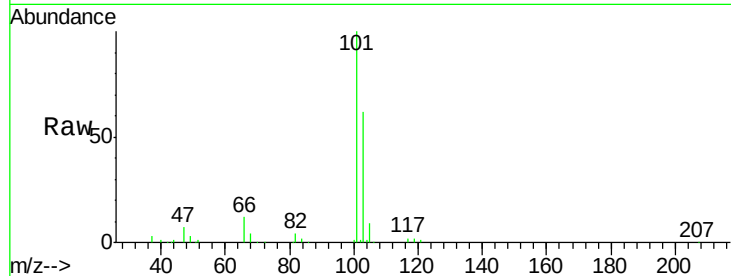
Trichlorofluoromethane
 Concen: 46.153 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	49.8	74.8

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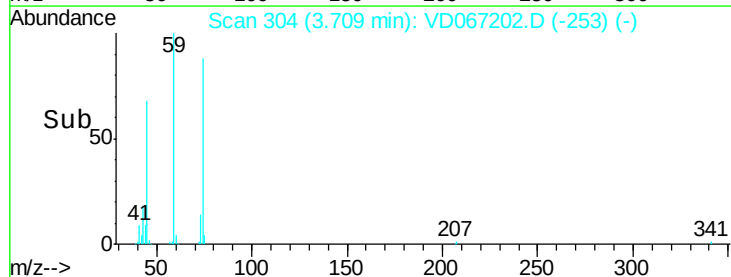
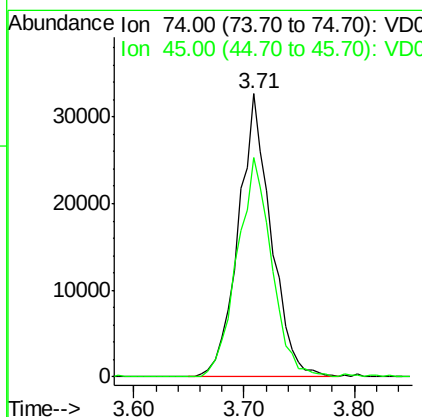
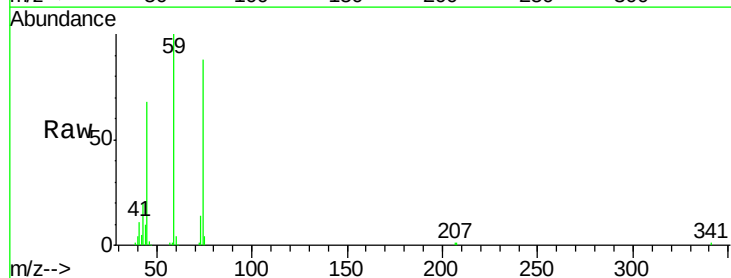
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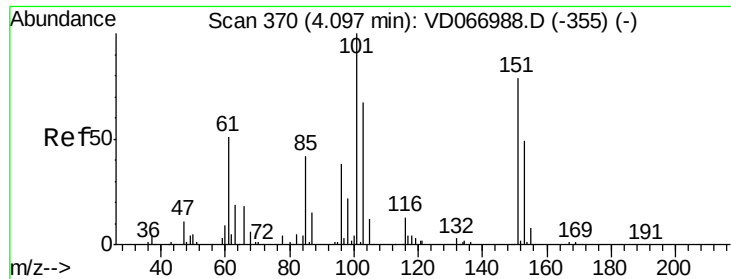


#8

Diethyl Ether
 Concen: 45.867 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.6	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.241 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

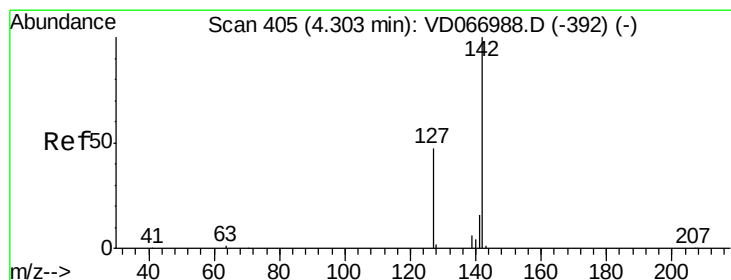
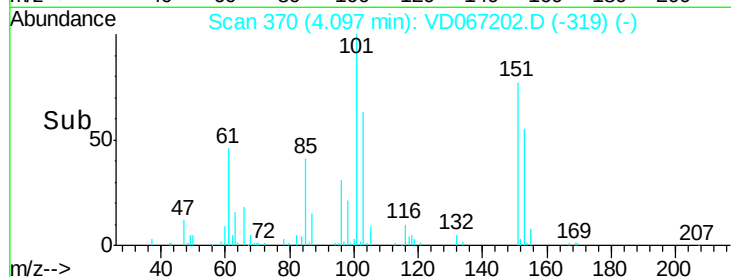
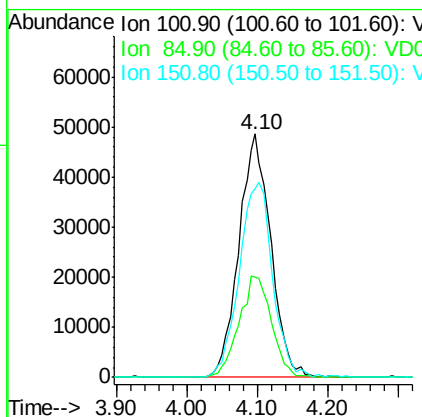
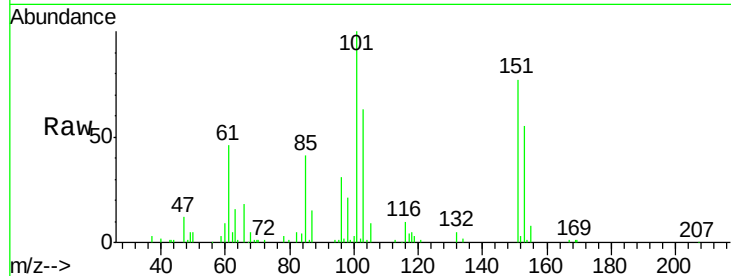
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	152734
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.8	50.8
151	83.8	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 47.073 ug/l

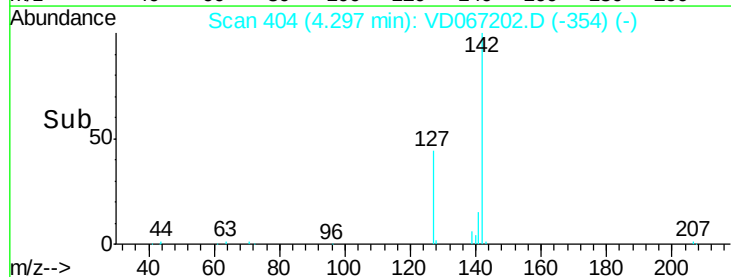
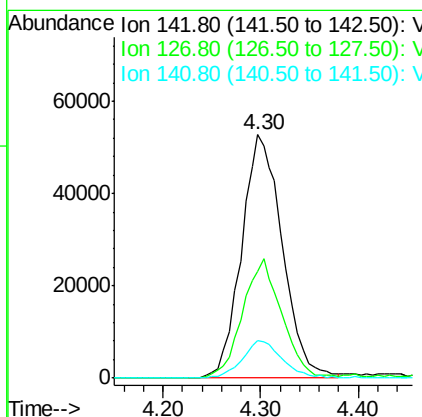
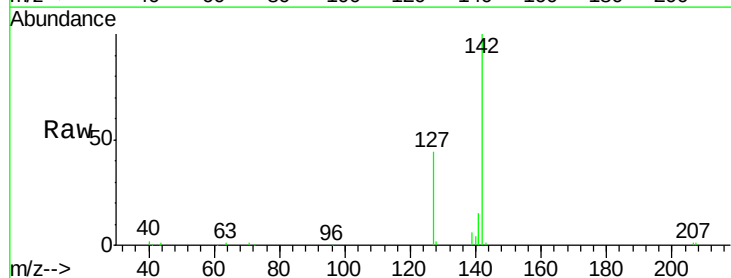
RT: 4.30 min Scan# 404

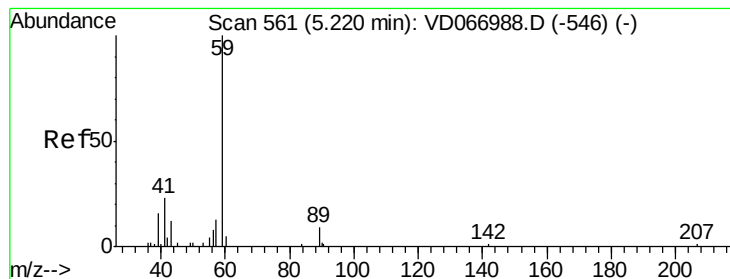
Delta R.T. -0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Tgt Ion:	142	Resp:	154415
Ion Ratio	Lower	Upper	
142	100		
127	46.8	36.3	54.5
141	14.8	12.0	18.0





#11

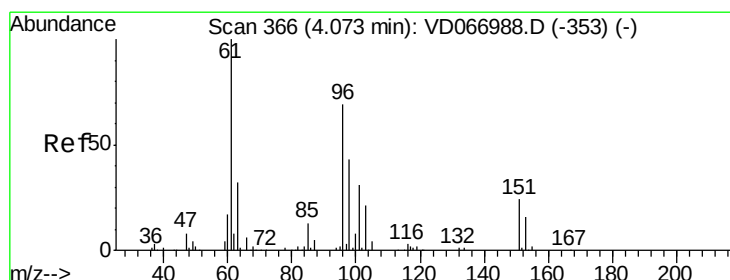
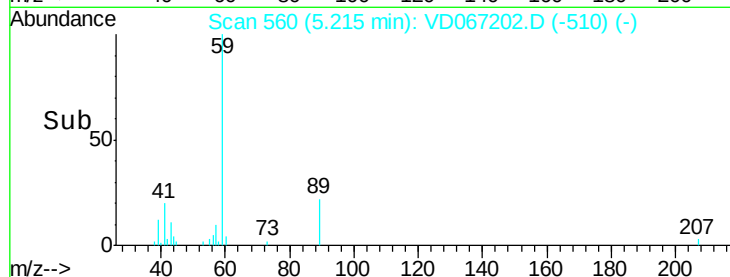
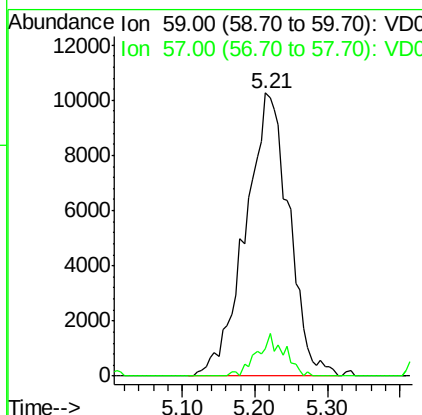
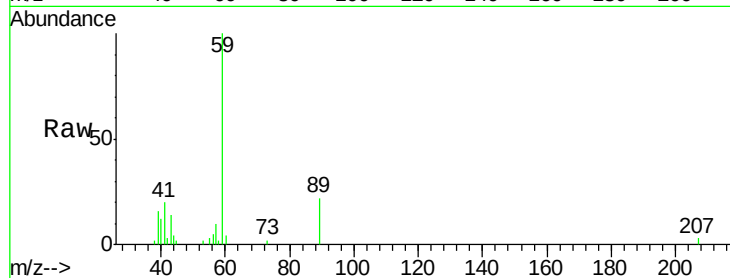
Tert butyl alcohol
 Concen: 218.572 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.2	12.4

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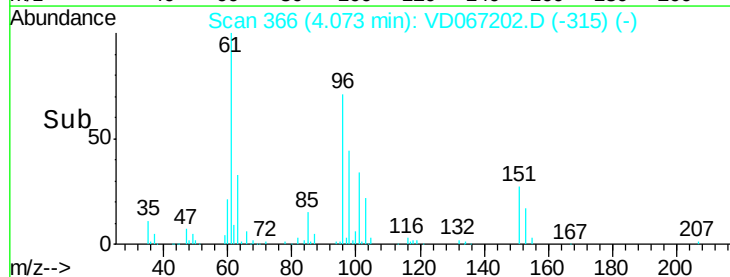
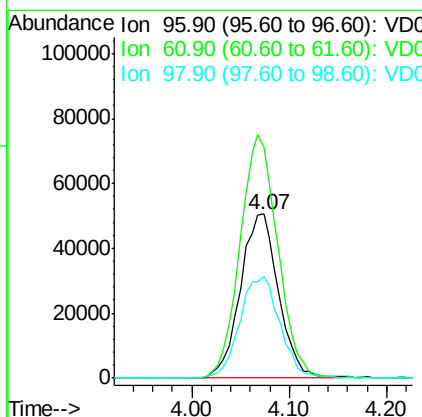
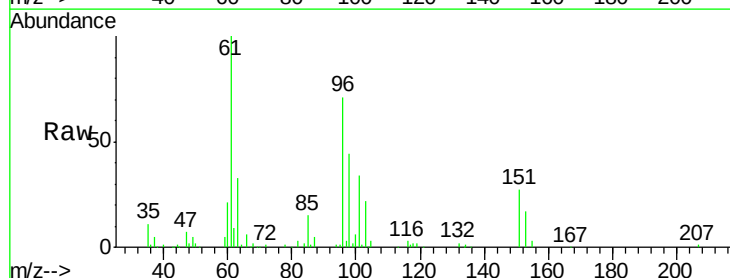
MMDadoda
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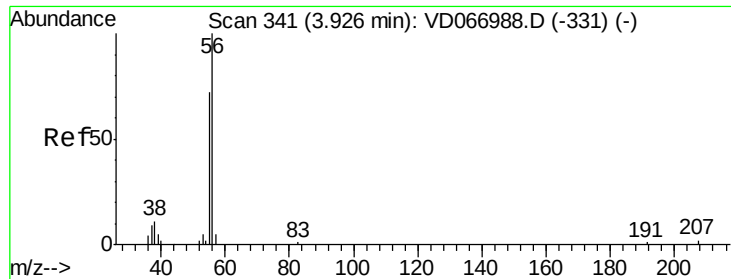


#12

1,1-Dichloroethene
 Concen: 43.506 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.0	116.4	174.6
98	61.7	49.9	74.9





#13

Acrolein

Concen: 245.671 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 53344

Ion Ratio Lower Upper

56 100

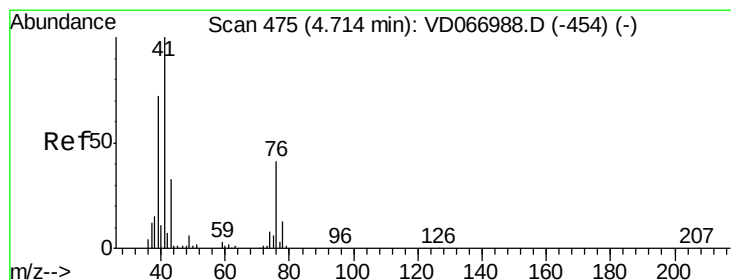
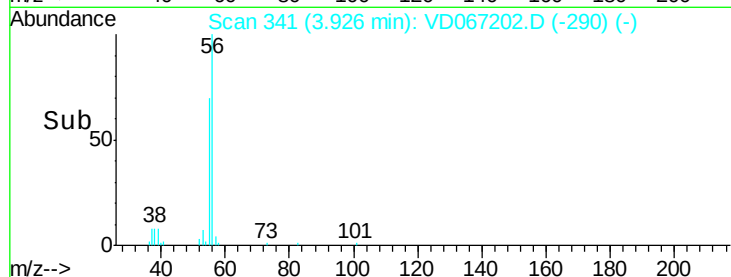
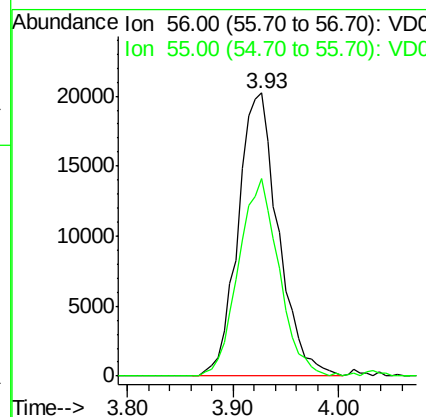
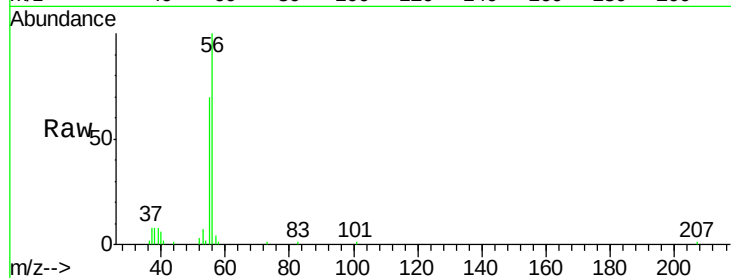
55 70.0 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 40.464 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

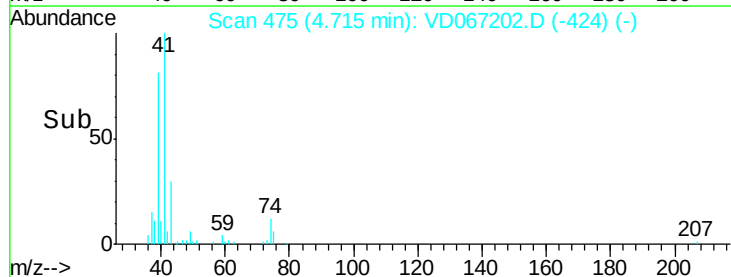
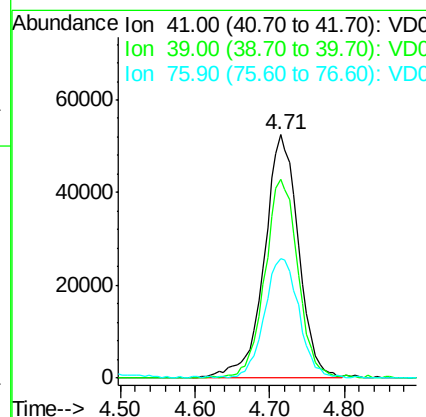
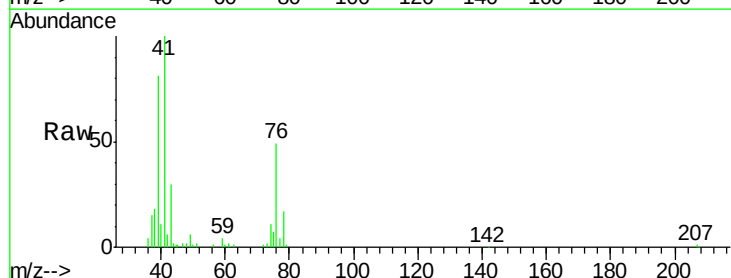
Tgt Ion: 41 Resp: 166830

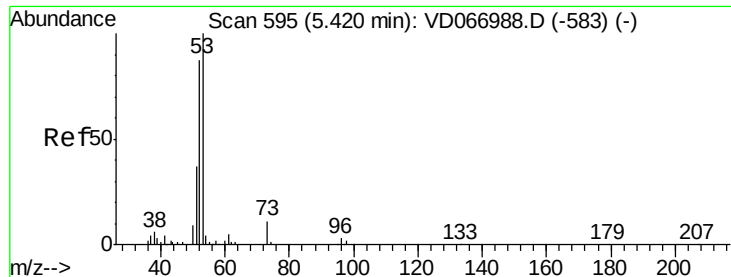
Ion Ratio Lower Upper

41 100

39 79.4 56.2 84.2

76 49.5 34.2 51.2





#15

Acrylonitrile

Concen: 217.896 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

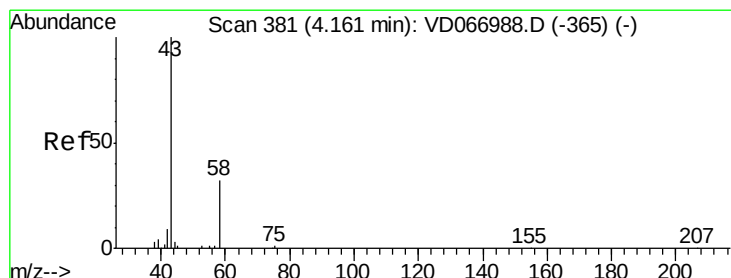
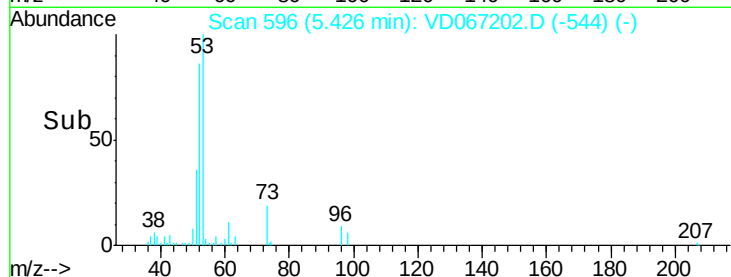
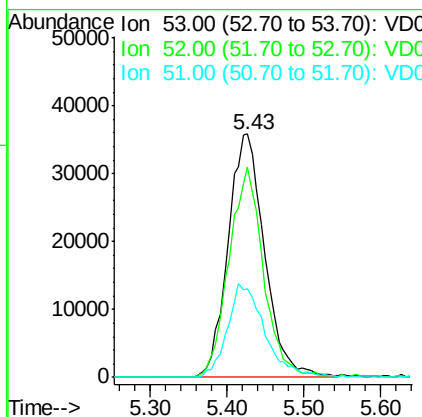
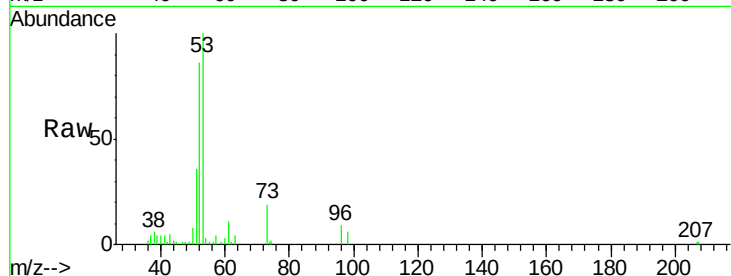
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	118783
Ion Ratio	Lower	Upper	
53	100		
52	81.5	67.3	100.9
51	39.1	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 213.168 ug/l

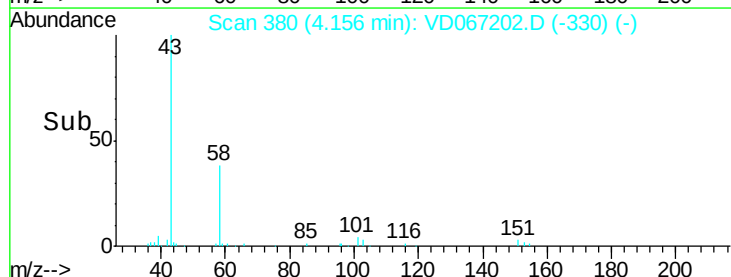
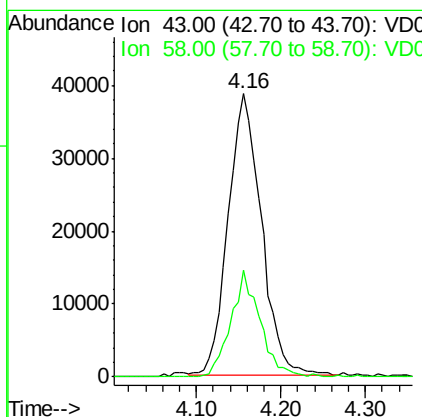
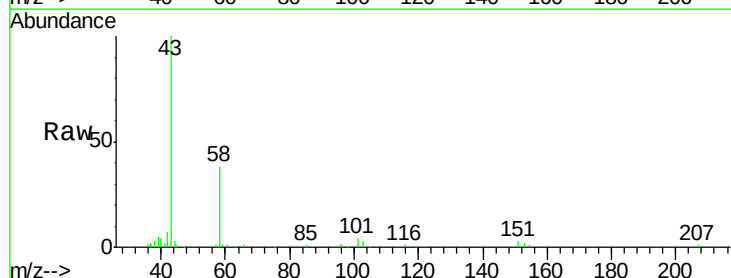
RT: 4.16 min Scan# 380

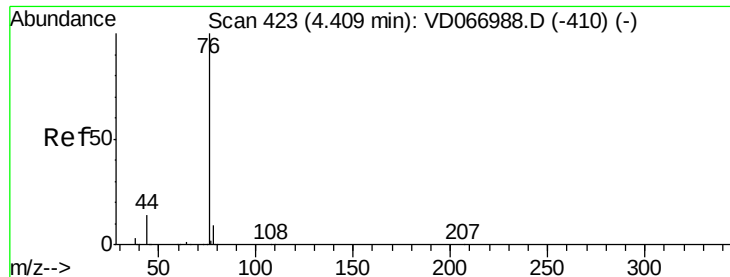
Delta R.T. -0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Tgt Ion:	43	Resp:	105521
Ion Ratio	Lower	Upper	
43	100		
58	38.0	25.9	38.9





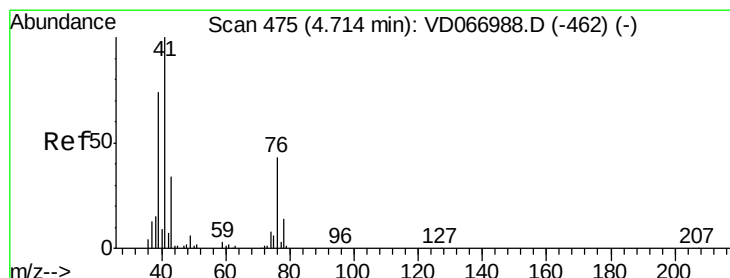
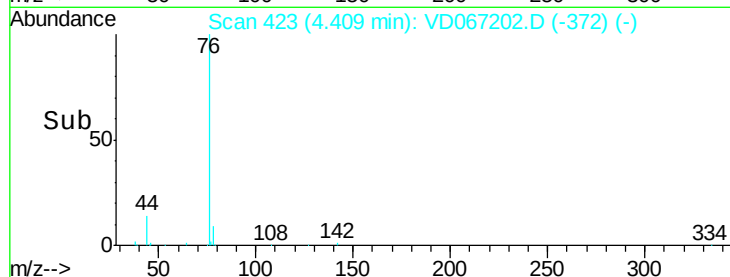
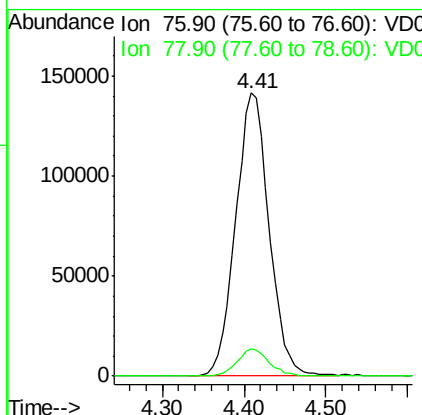
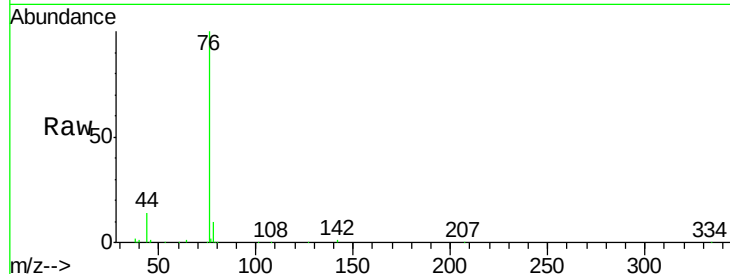
#17
Carbon Disulfide
Concen: 41.319 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.5	11.3

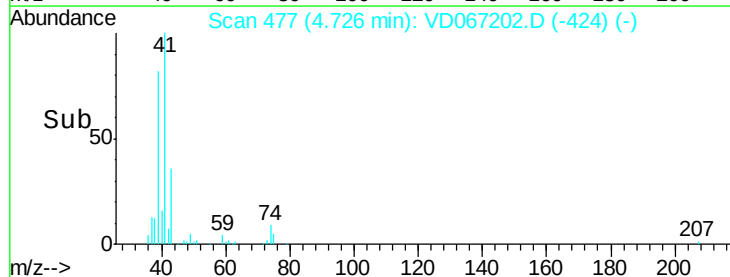
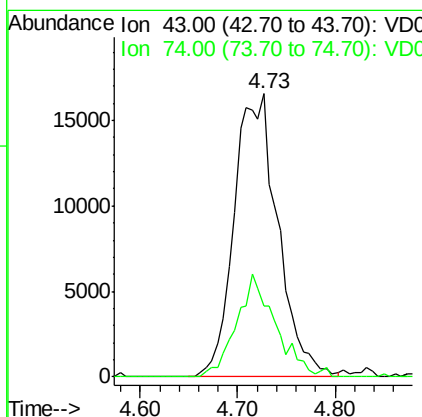
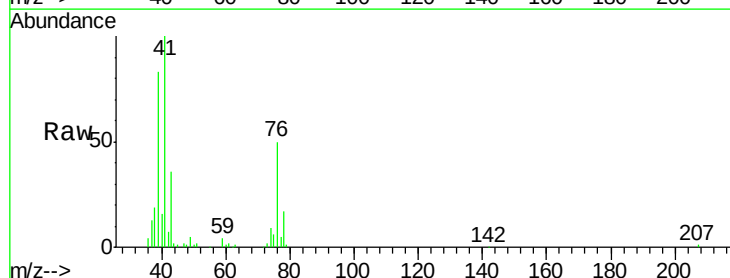
Manual Integrations
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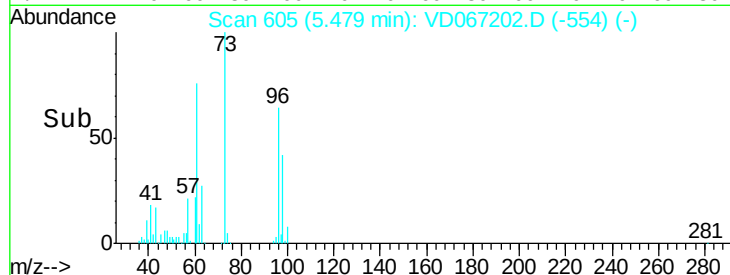
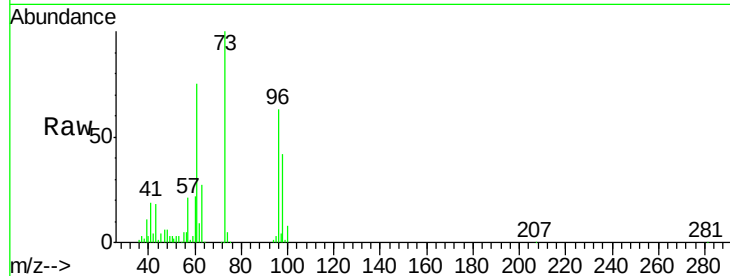
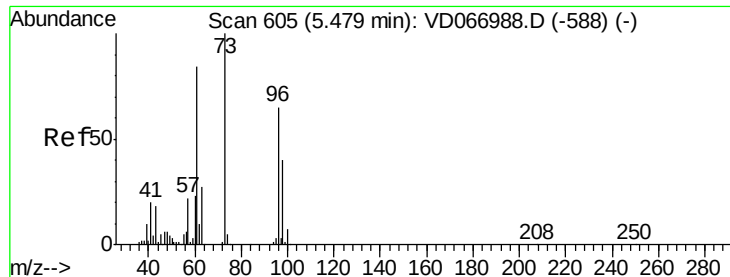
MMDadoda
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#18
Methyl Acetate
Concen: 41.629 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.9	21.5	32.3





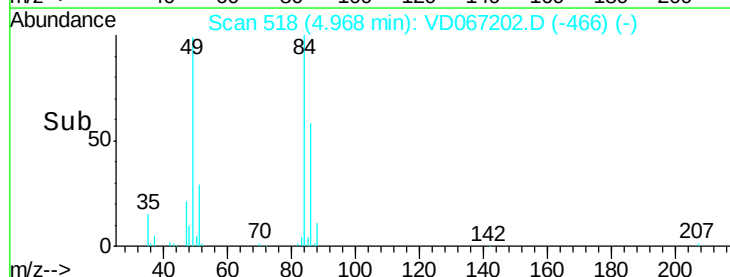
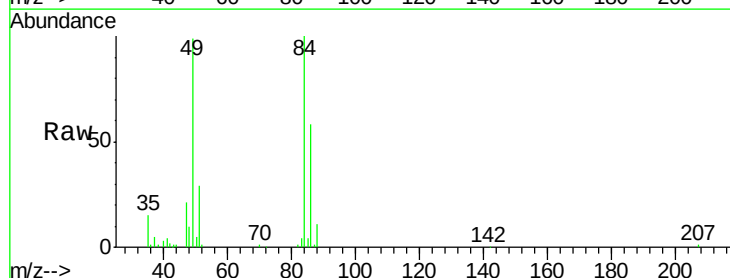
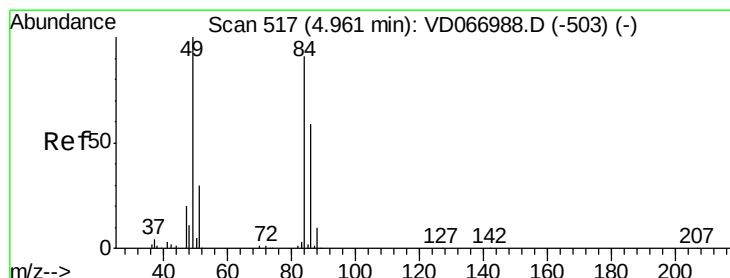
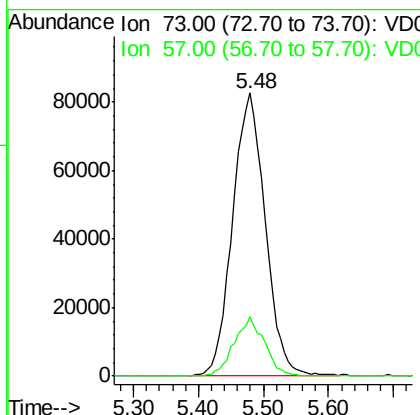
#19
Methyl tert-butyl Ether
Concen: 49.687 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.4	26.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

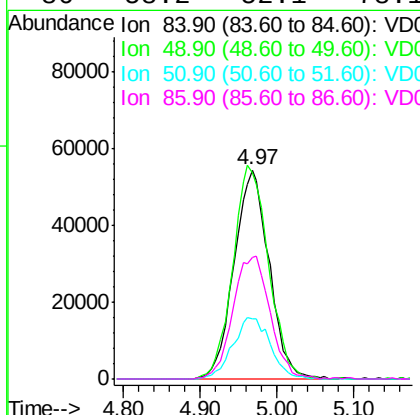
Manual Integrations
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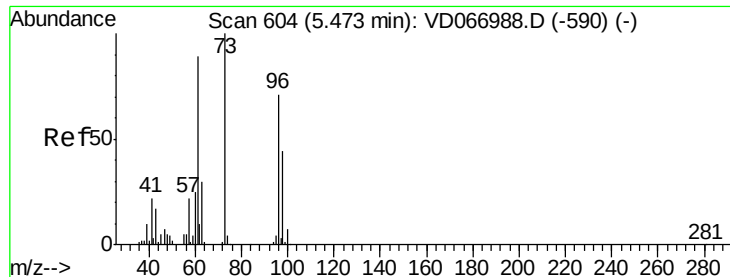
MMDadoda
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#20
Methylene Chloride
Concen: 49.187 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	98.8	88.2	132.2
51	28.9	26.6	39.8
86	58.2	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 45.339 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

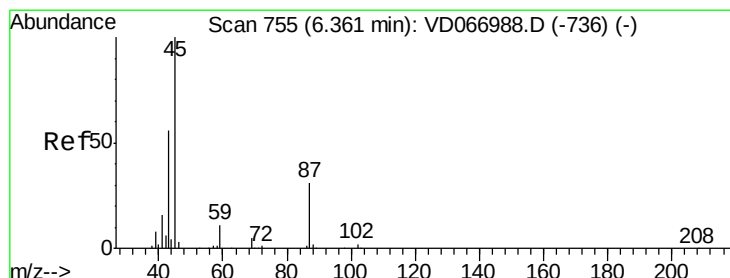
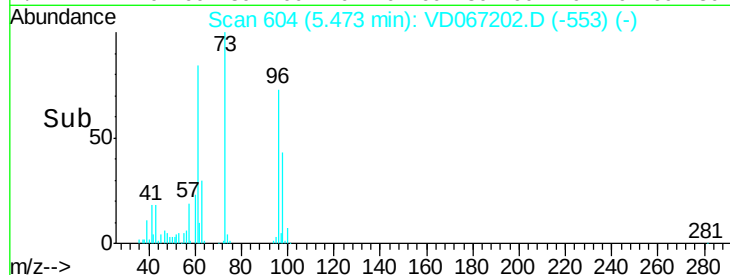
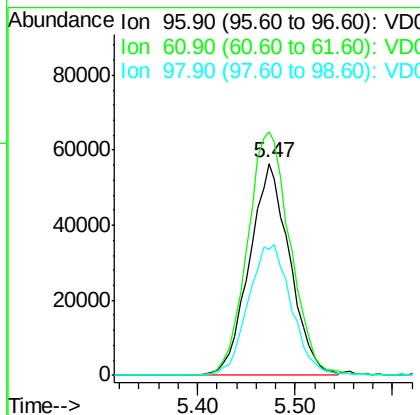
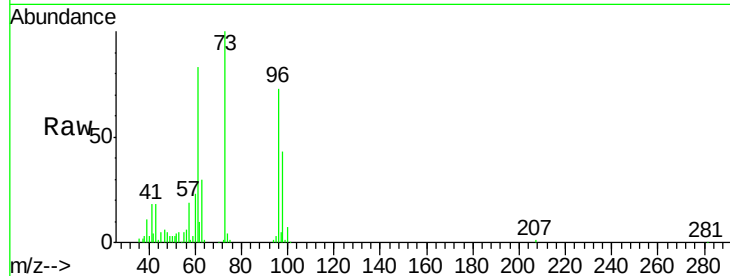
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	163755
Ion	Ratio	Lower	Upper
96	100		
61	114.9	99.6	149.4
98	59.1	49.4	74.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 43.229 ug/l

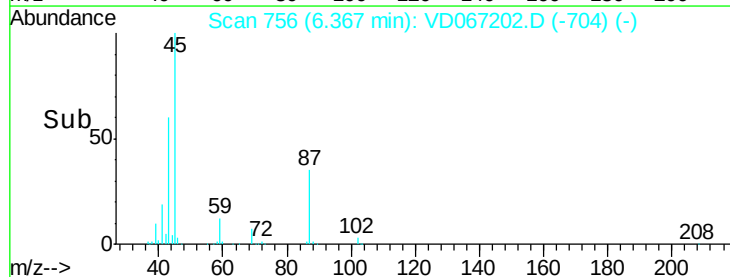
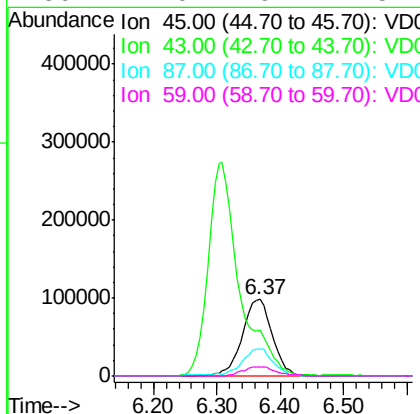
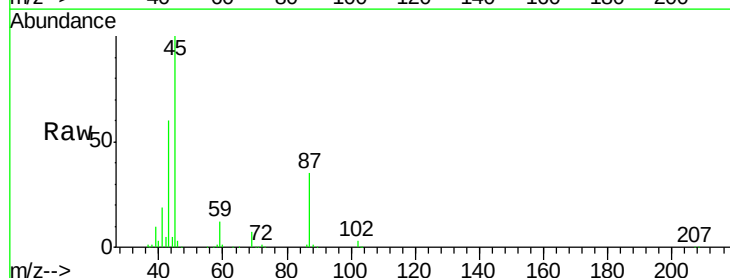
RT: 6.37 min Scan# 755

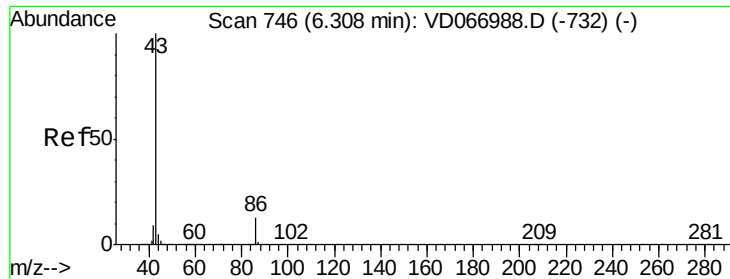
Delta R.T. 0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Tgt Ion:	45	Resp:	325385
Ion	Ratio	Lower	Upper
45	100		
43	58.8	45.2	67.8
87	35.3	25.6	38.4
59	12.0	9.1	13.7





#23

Vinyl Acetate

Concen: 222.318 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 948242

Ion Ratio Lower Upper

43 100

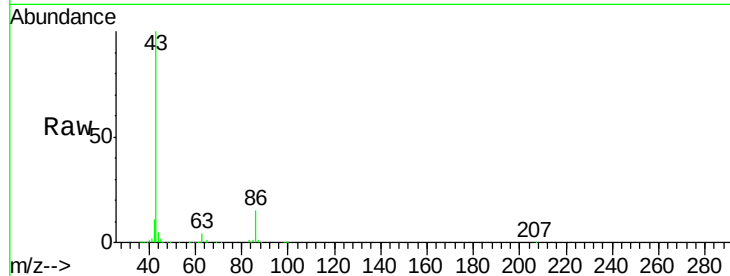
86 15.0 10.2 15.2

Manual Integrations

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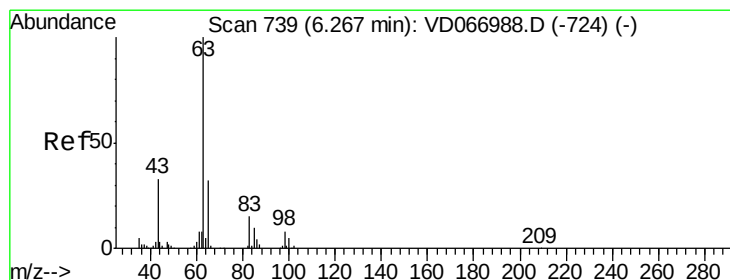
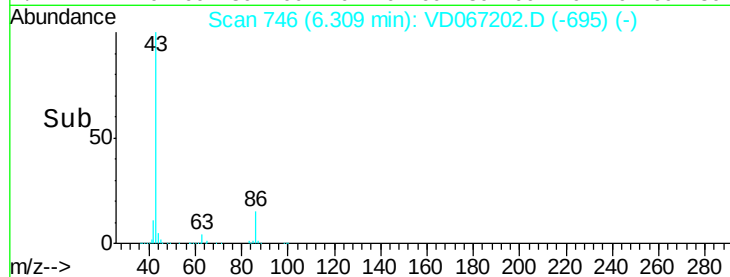
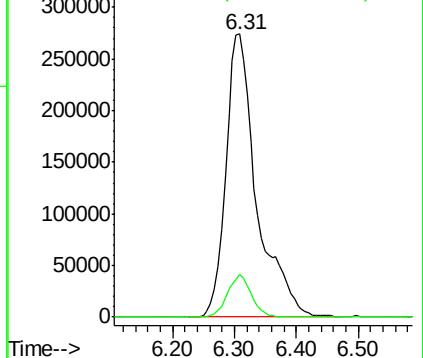
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 44.625 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

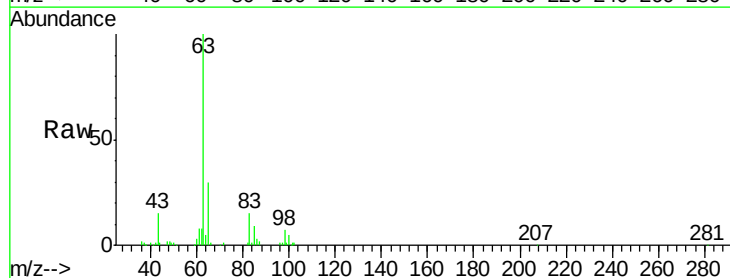
Tgt Ion: 63 Resp: 259221

Ion Ratio Lower Upper

63 100

98 7.4 4.2 12.6

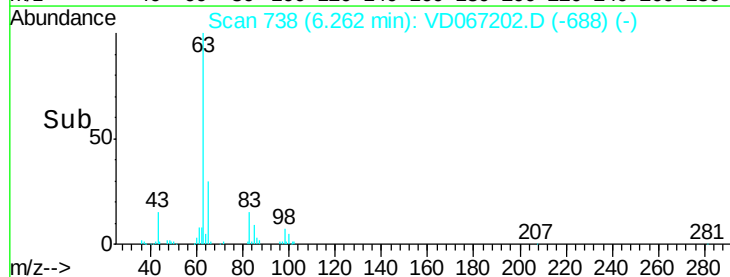
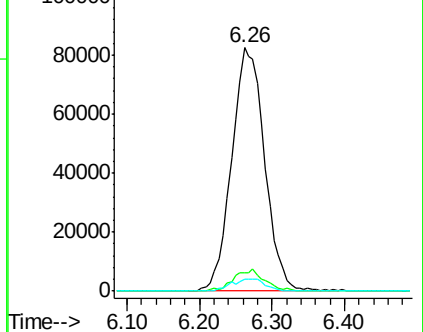
100 5.0 2.6 7.8

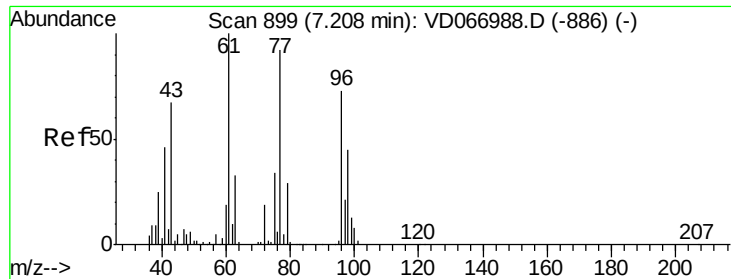


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 198.780 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 139507

Ion Ratio Lower Upper

43 100

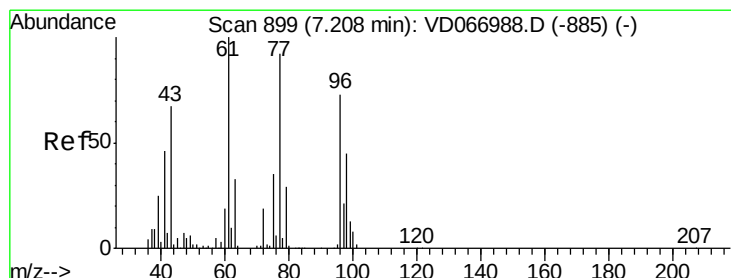
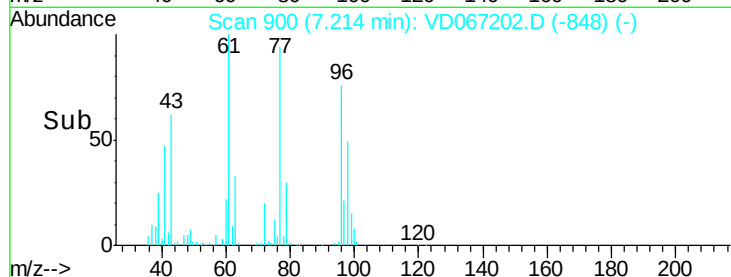
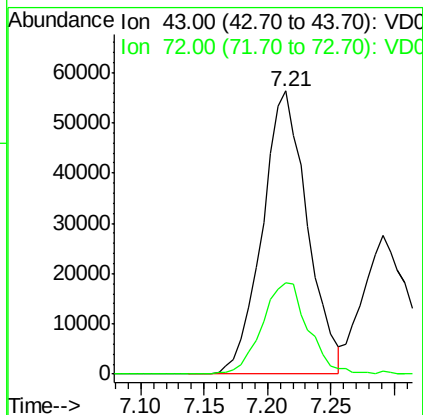
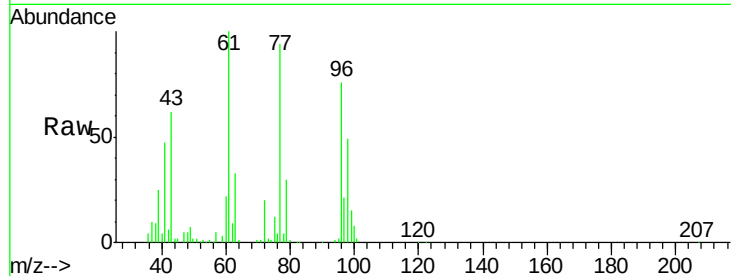
72 32.2 22.8 34.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.834 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067202.D

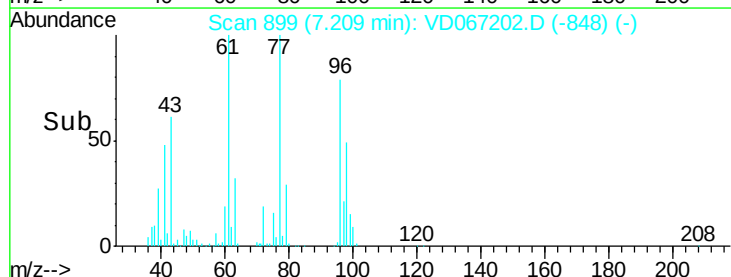
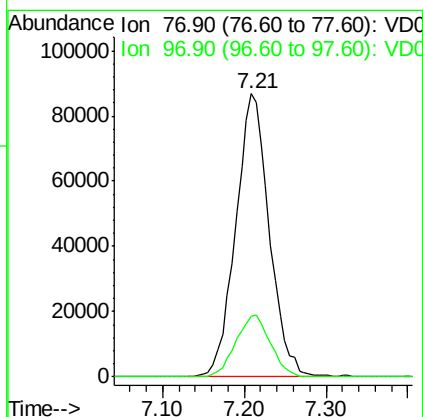
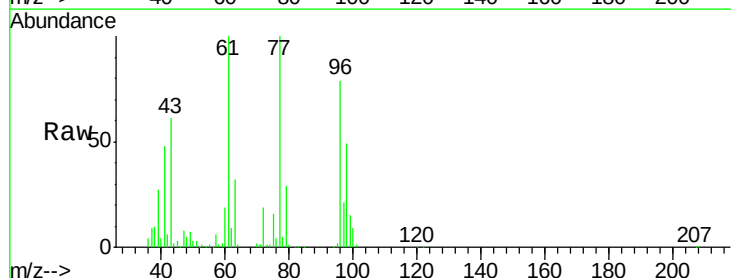
Acq: 08 Oct 2020 18:43

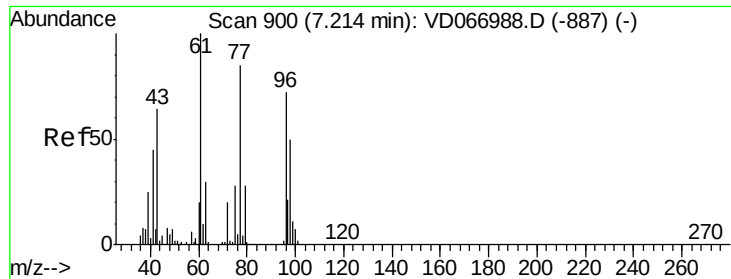
Tgt Ion: 77 Resp: 247602

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.2





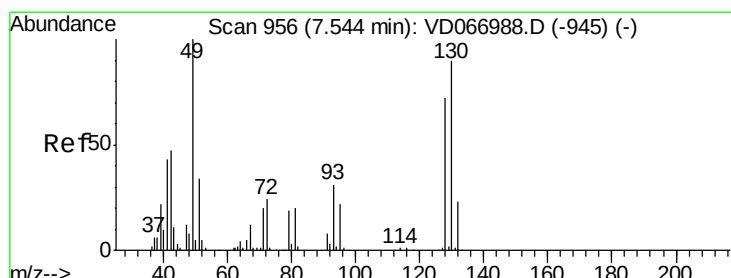
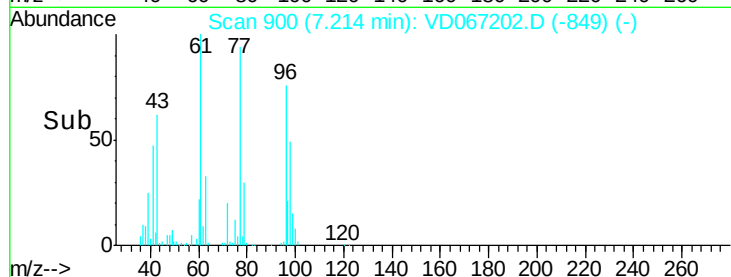
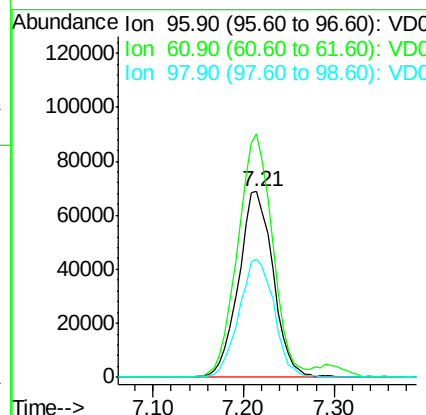
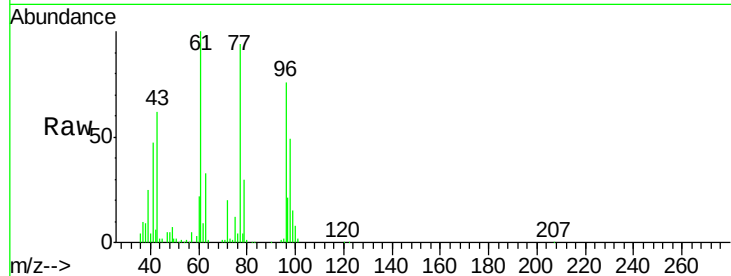
#27
 cis-1,2-Dichloroethene
 Concen: 47.400 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.8	0.0	269.2
98	64.8	0.0	129.4

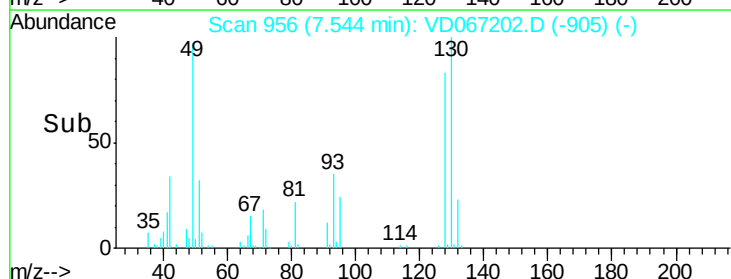
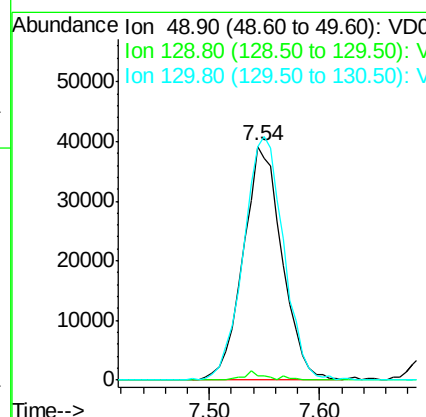
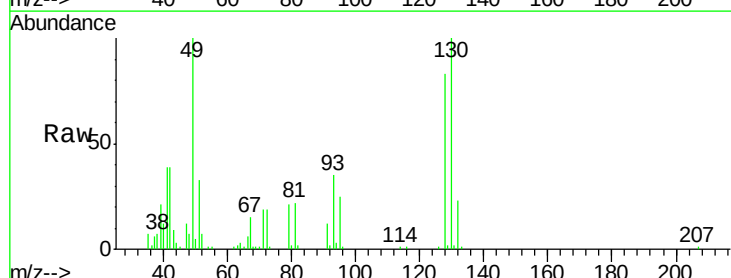
Manual Integrations
 APPROVED

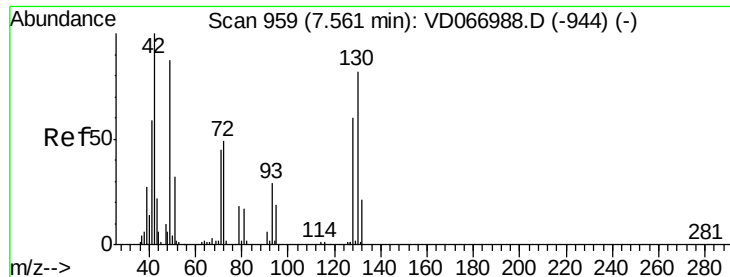
MMDadoda
 10/9/2020 4:22:32 PM



#28
 Bromochloromethane
 Concen: 43.273 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	107.2	74.1	111.1





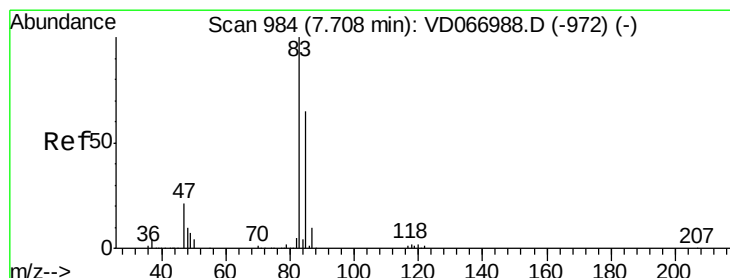
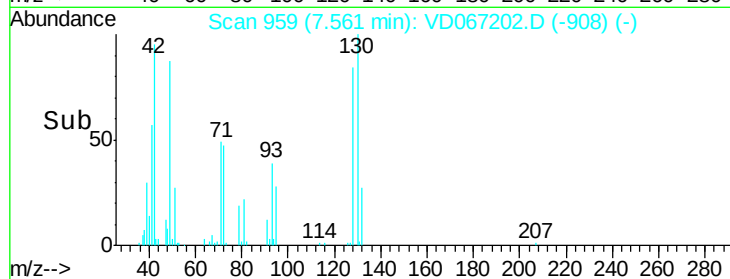
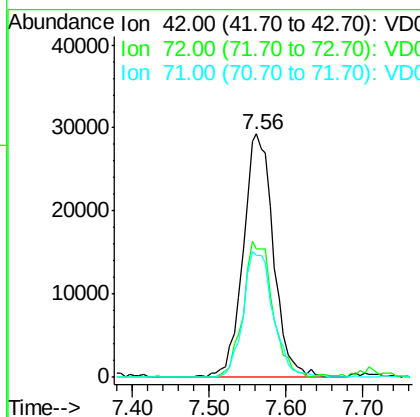
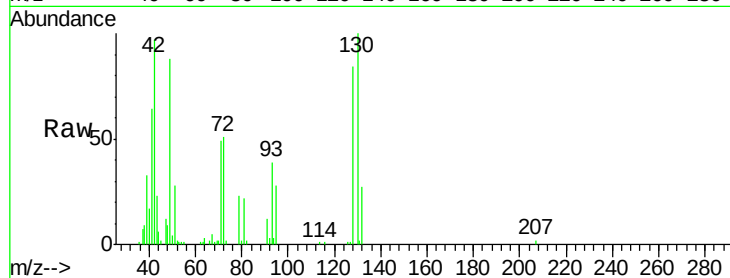
#29
Tetrahydrofuran
Concen: 199.245 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.2	39.1	58.7
71	51.3	34.2	51.4

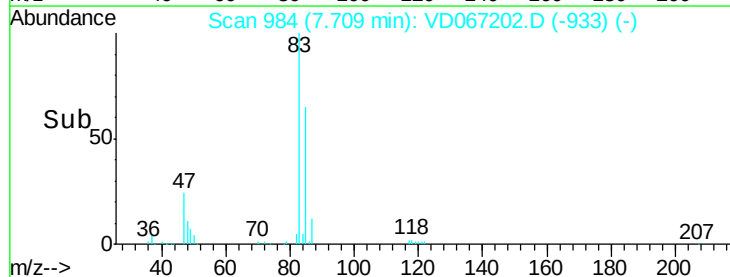
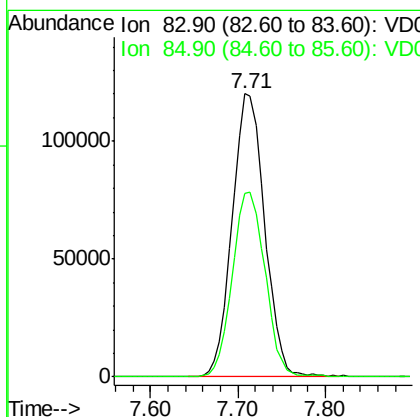
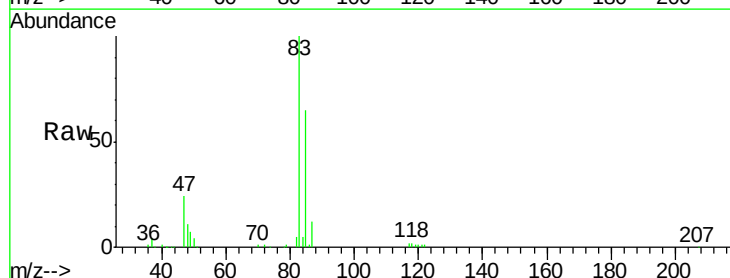
Manual Integrations
APPROVED

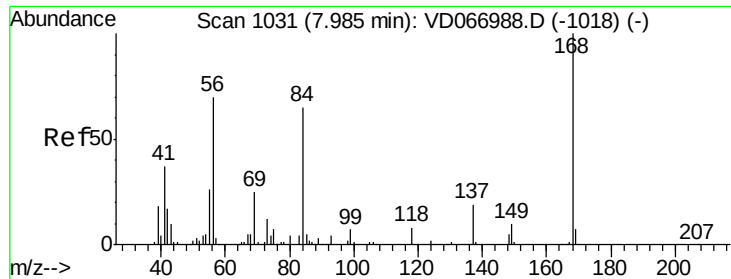
MMDadoda
10/9/2020 4:22:32 PM



#30
Chloroform
Concen: 47.993 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.3	78.5





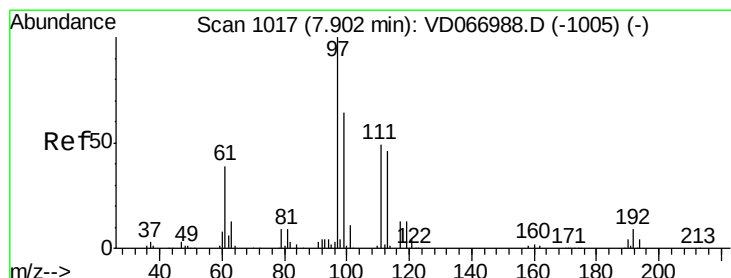
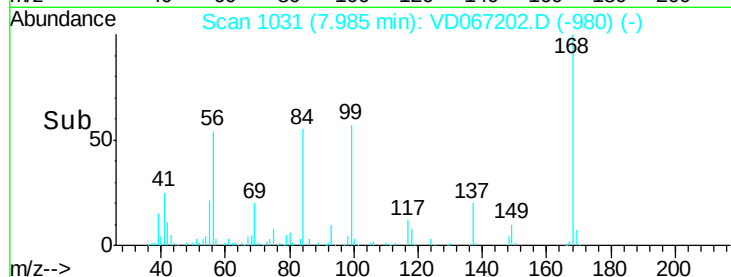
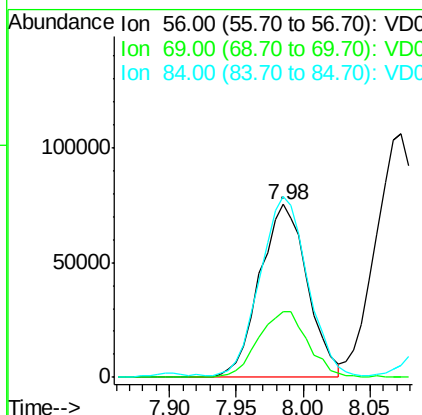
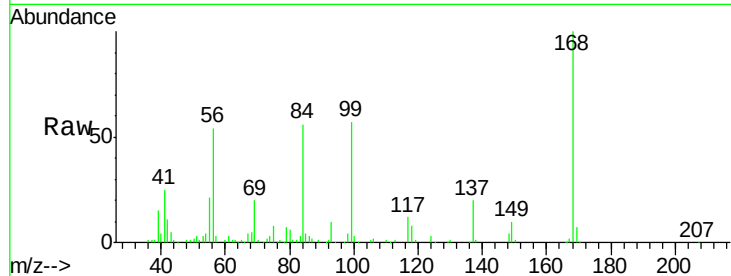
#31
Cyclohexane
Concen: 38.378 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	29.0	43.6
84	103.3	74.2	111.2

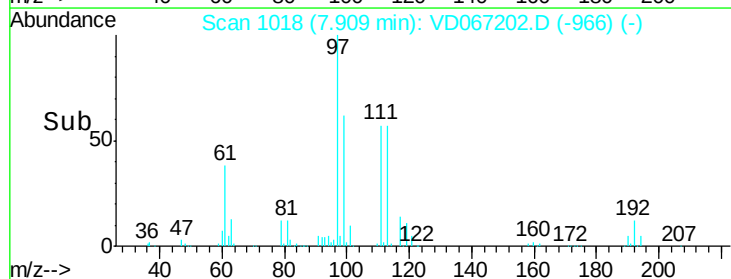
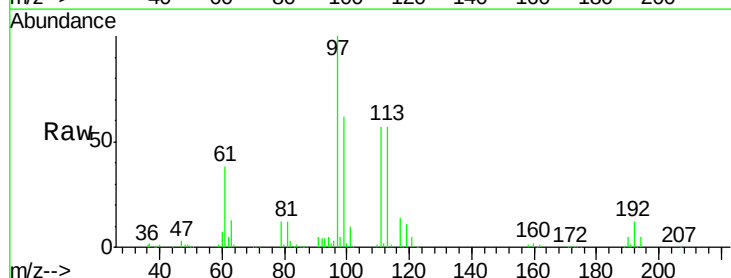
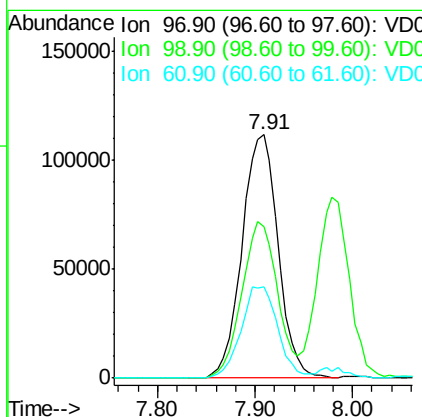
Manual Integrations
APPROVED

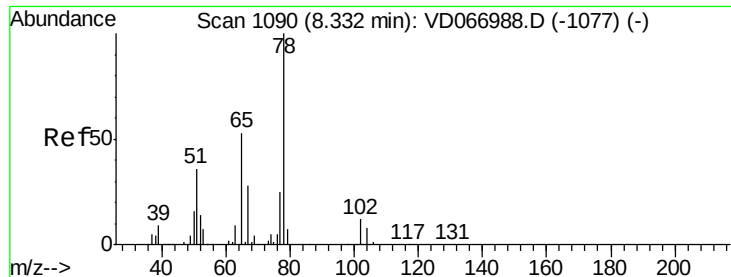
MMDadoda
10/9/2020 4:22:32 PM



#32
1,1,1-Trichloroethane
Concen: 49.166 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.6	78.8
61	37.9	32.8	49.2





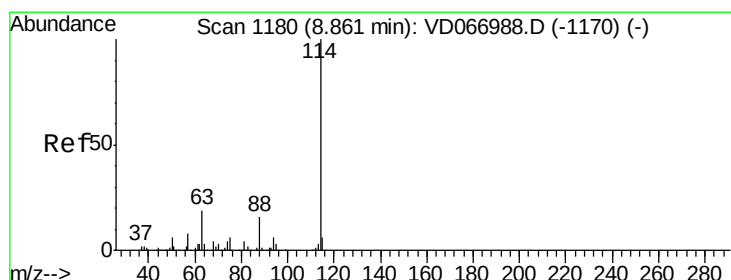
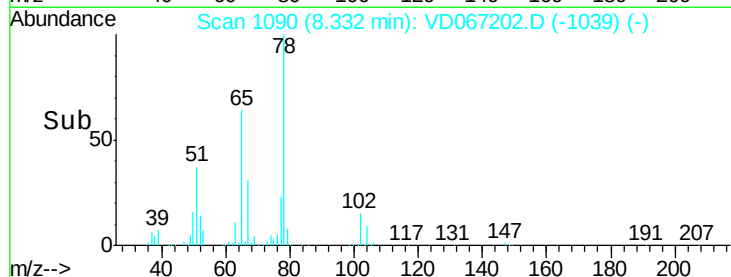
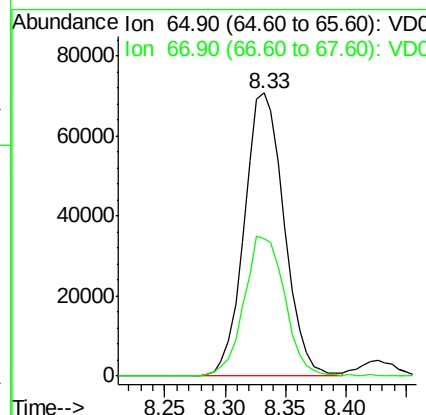
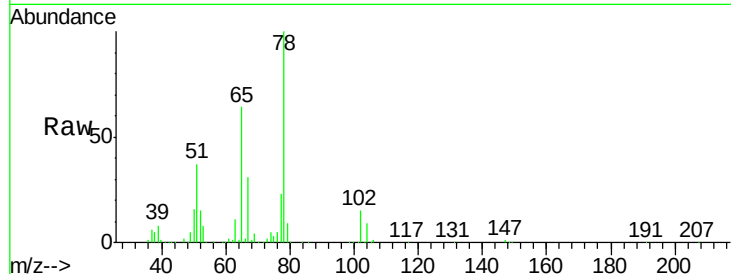
#33
 1,2-Dichloroethane-d4
 Concen: 50.197 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162779		
67	50.7	0.0	106.8	

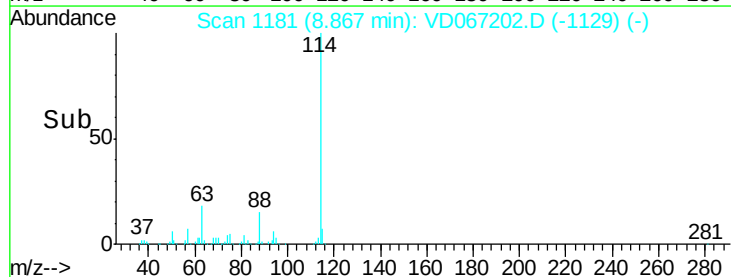
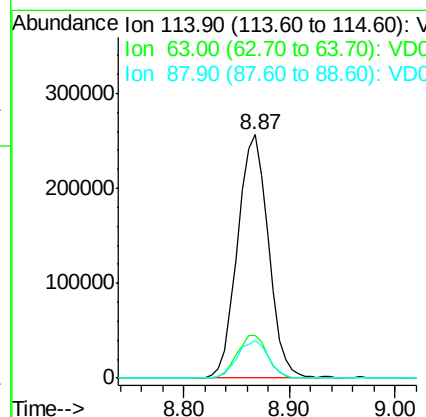
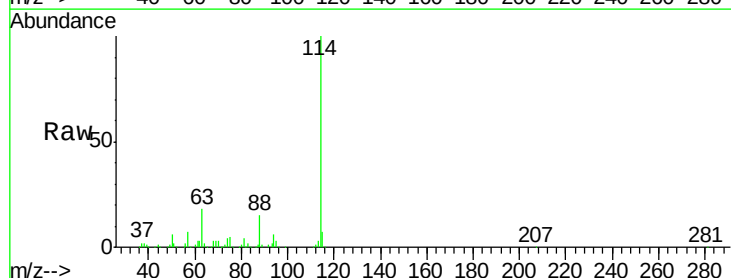
Manual Integrations
 APPROVED

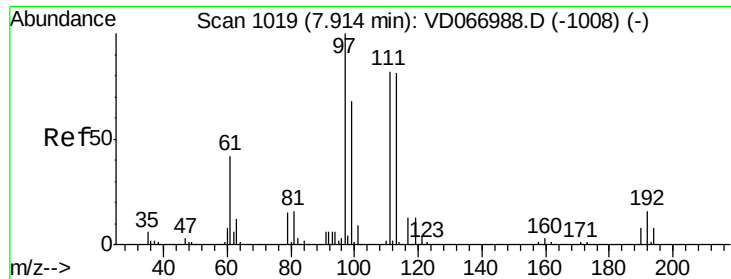
MMDadoda
 10/9/2020 4:22:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	519596		
63	17.8	0.0	38.4	
88	15.3	0.0	31.2	





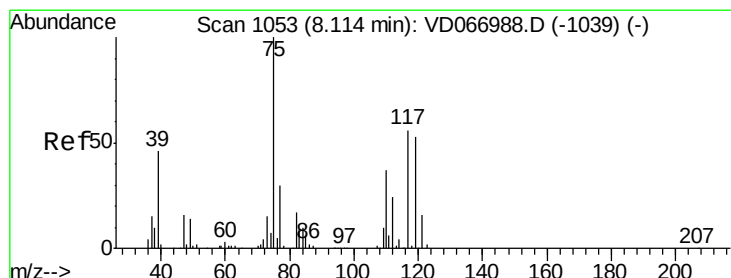
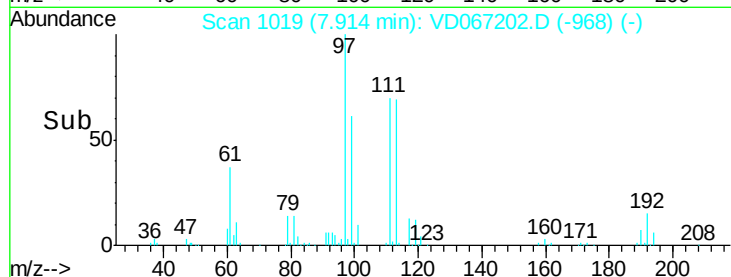
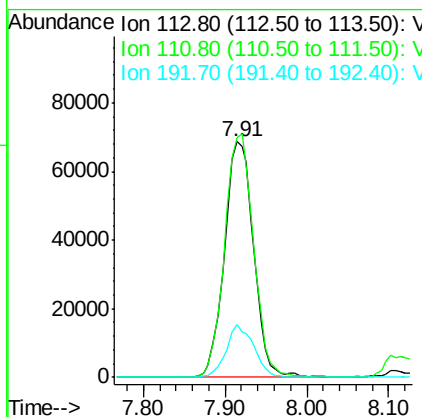
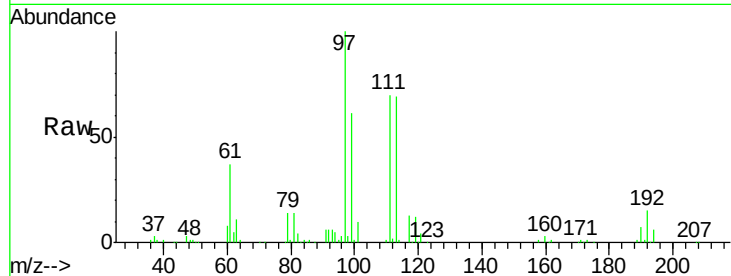
#35
 Dibromofluoromethane
 Concen: 50.074 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	170337		
111	102.6	83.0	124.4	
192	21.1	15.5	23.3	

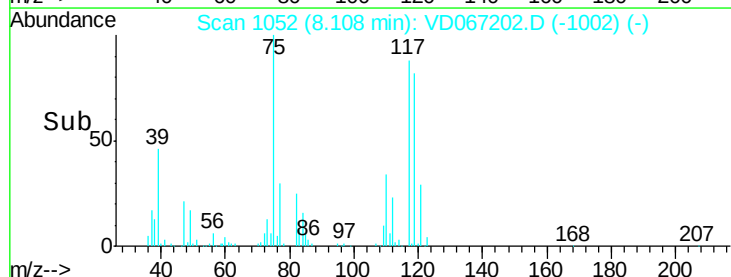
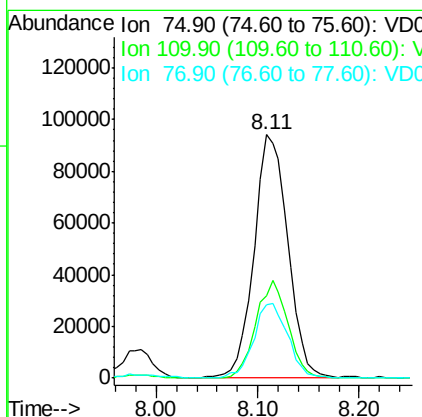
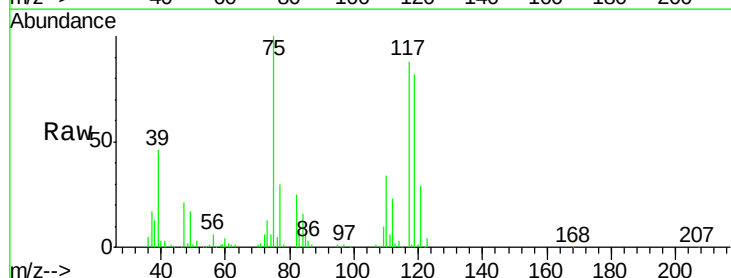
Manual Integrations
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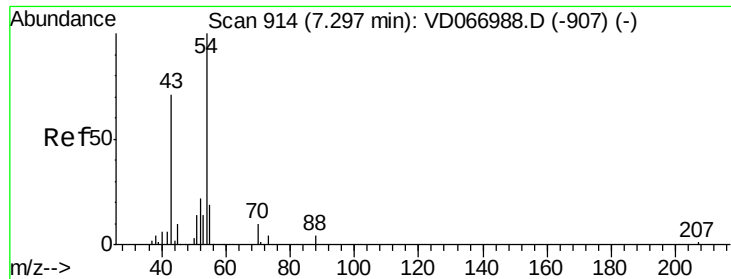
MMDadoda
 10/9/2020 4:22:32 PM



#36
 1,1-Dichloropropene
 Concen: 45.072 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	218291		
110	38.4	18.4	55.0	
77	30.9	24.8	37.2	





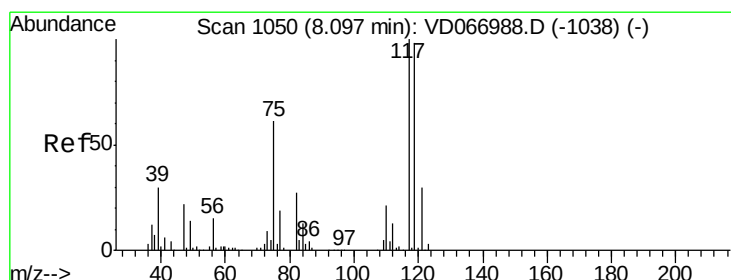
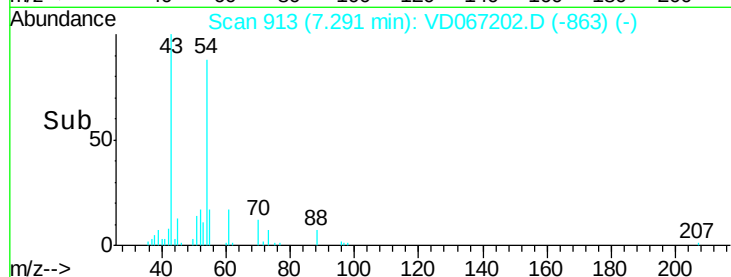
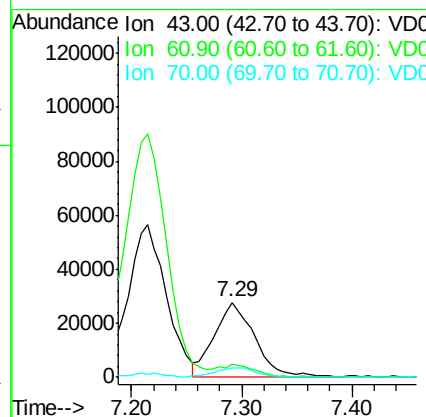
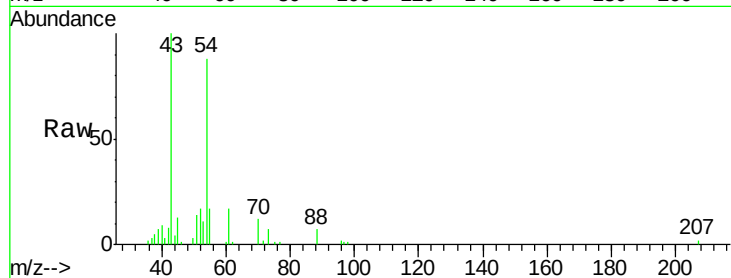
#37
Ethyl Acetate
Concen: 41.434 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.5	18.7
70	13.4	9.4	14.0

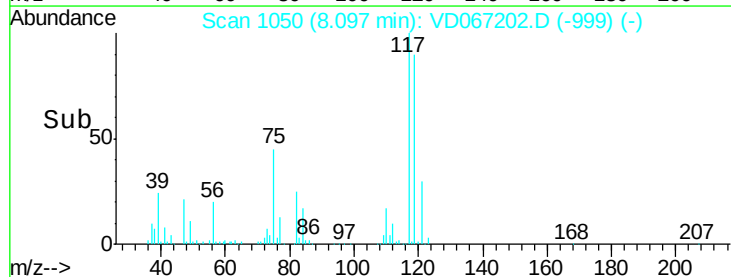
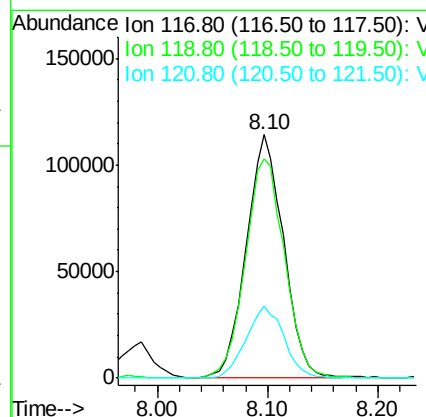
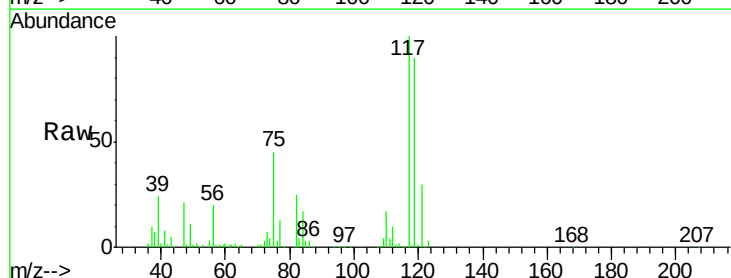
Manual Integrations
APPROVED

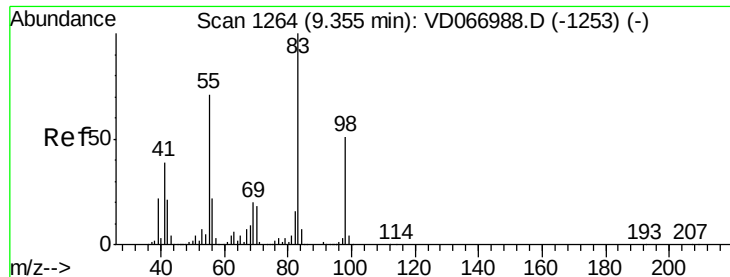
MMDadoda
10/9/2020 4:22:32 PM



#38
Carbon Tetrachloride
Concen: 51.624 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.9	78.7	118.1
121	29.8	24.2	36.2





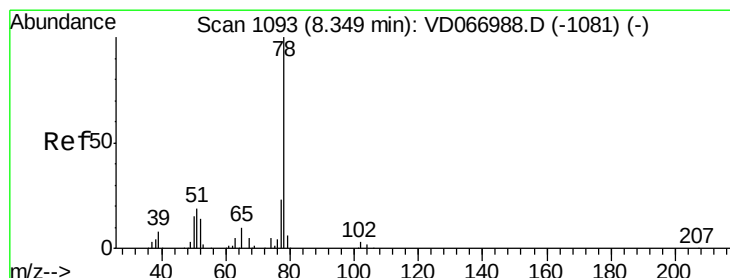
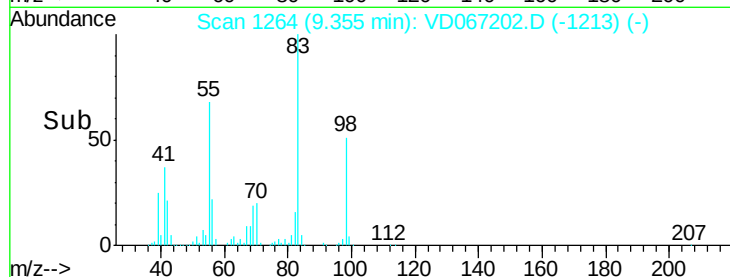
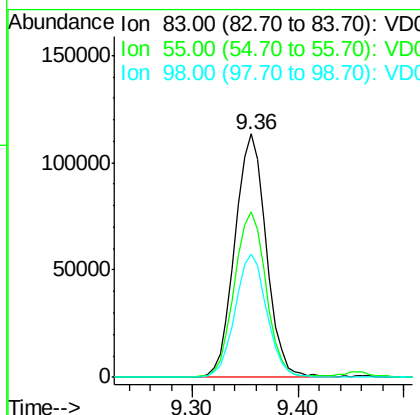
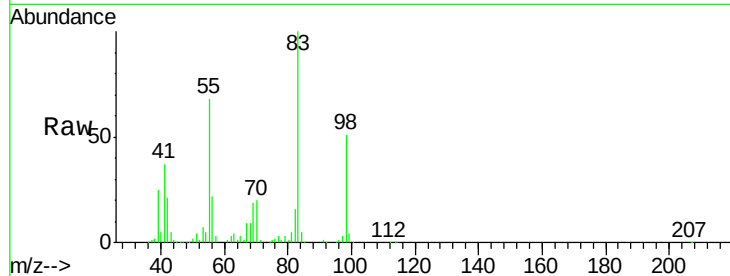
#39
Methylvlcyclohexane
Concen: 45.519 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	233079
Ion Ratio	Lower	Upper	
83	100		
55	67.9	57.1	85.7
98	50.9	40.9	61.3

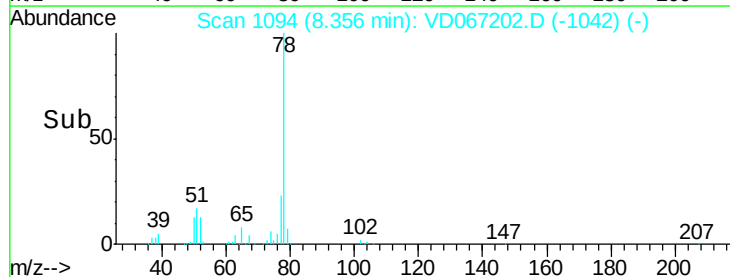
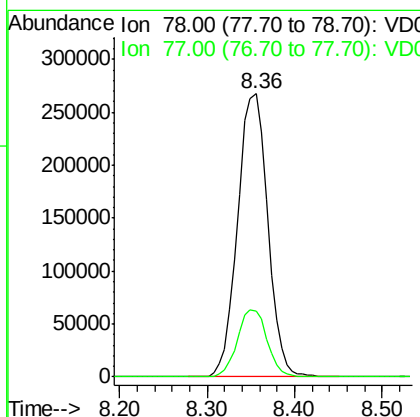
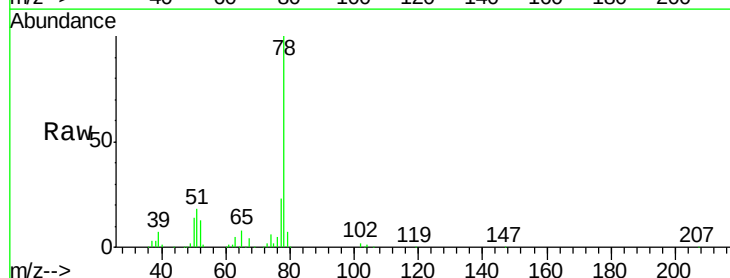
Manual Integrations
APPROVED

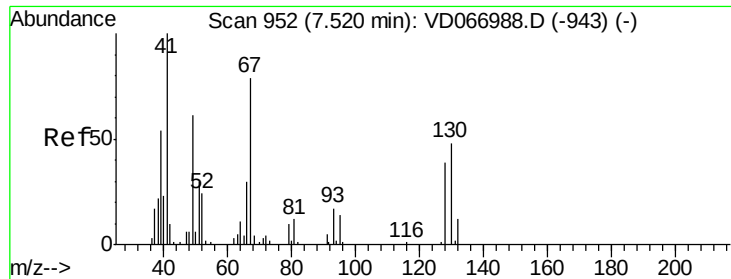
MMDadoda
10/9/2020 4:22:32 PM



#40
Benzene
Concen: 46.402 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	78	Resp	624216
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.4	27.6





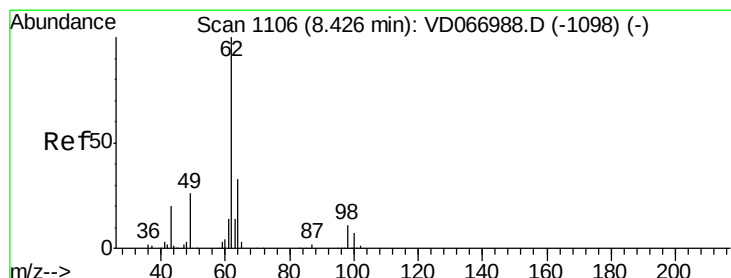
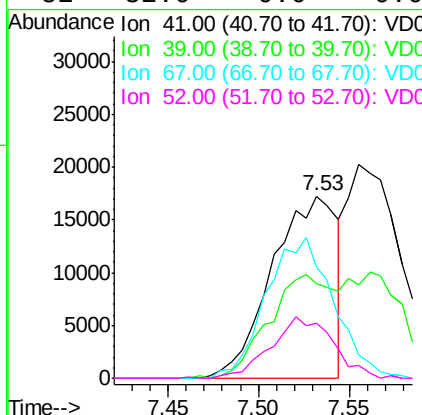
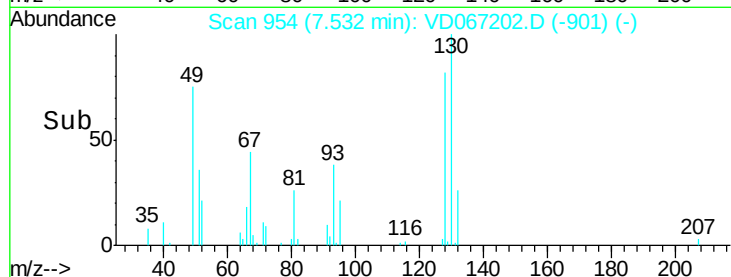
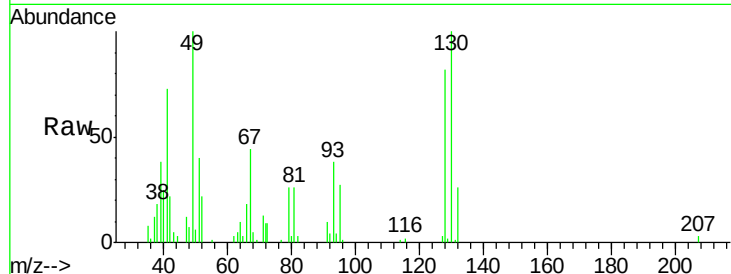
#41
Methacrylonitrile
Concen: 47.720 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		43255		
39	57.5	0.0	0.0#		
67	79.8	0.0	0.0#		
52	32.0	0.0	0.0#		

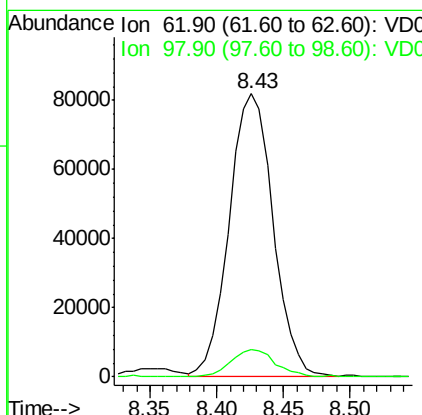
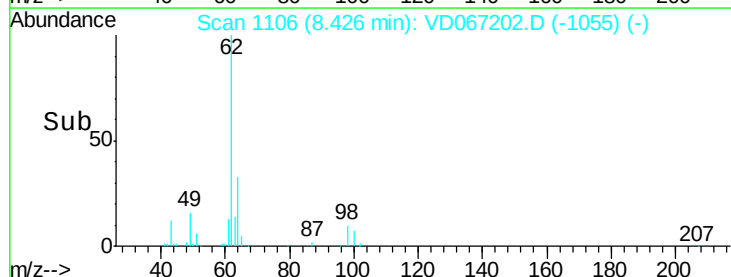
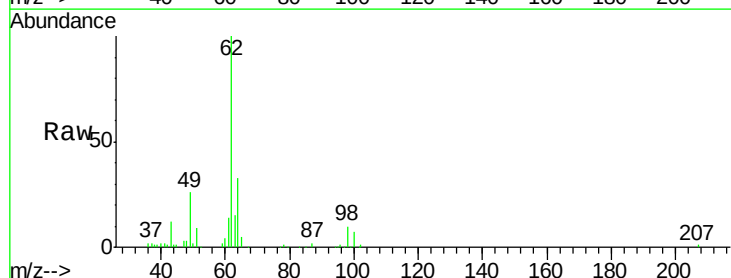
Manual Integrations
APPROVED

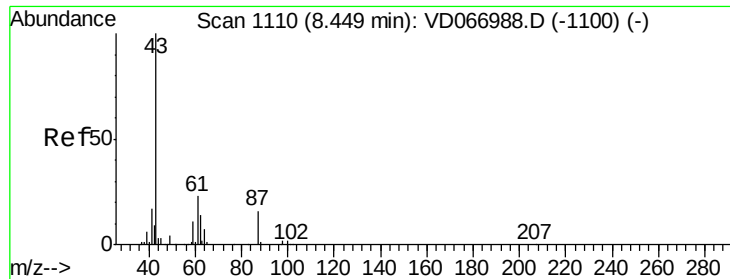
MMDadoda
10/9/2020 4:22:32 PM



#42
1,2-Dichloroethane
Concen: 49.650 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		186633		
98	9.7	0.0	22.6		





#43

Isopropyl Acetate

Concen: 41.757 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

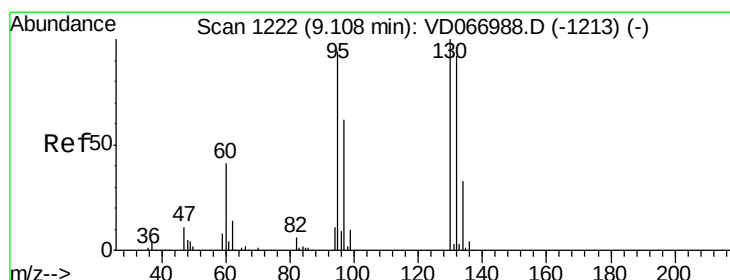
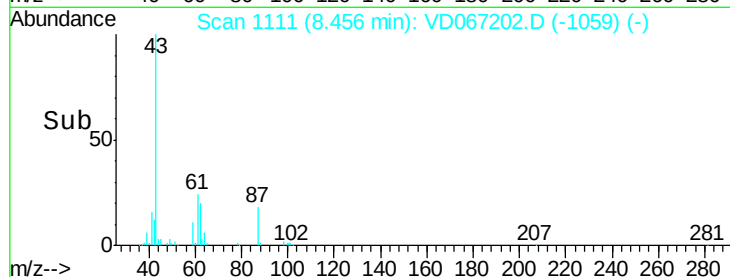
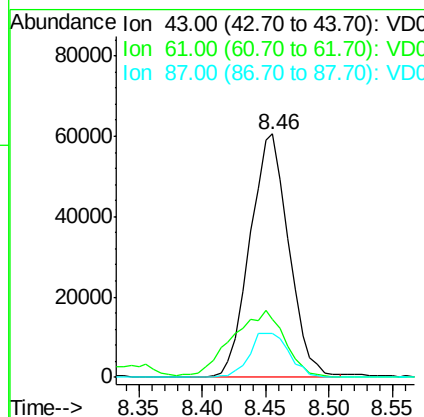
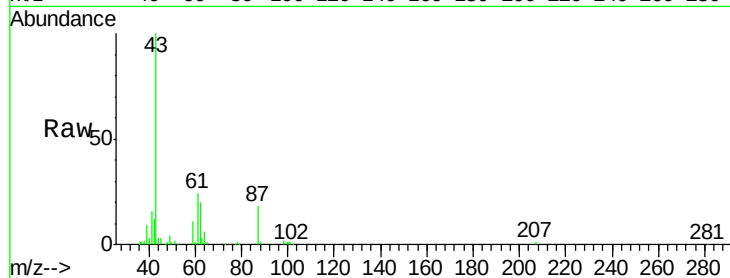
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	129066
Ion	Ratio	Lower	Upper
43	100		
61	38.1	27.1	40.7
87	18.7	12.3	18.5

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#44

Trichloroethene

Concen: 48.818 ug/l

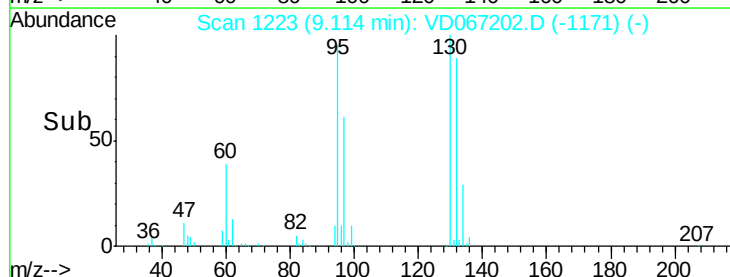
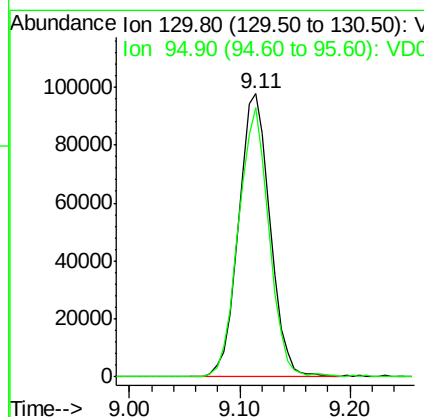
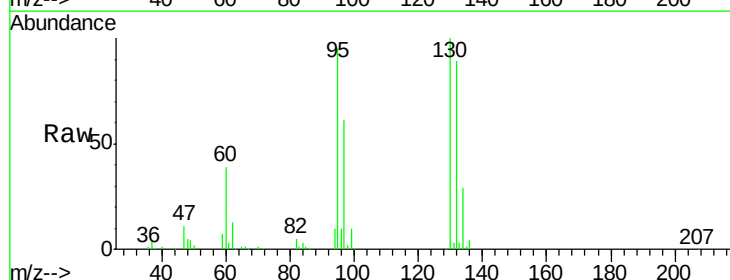
RT: 9.11 min Scan# 1223

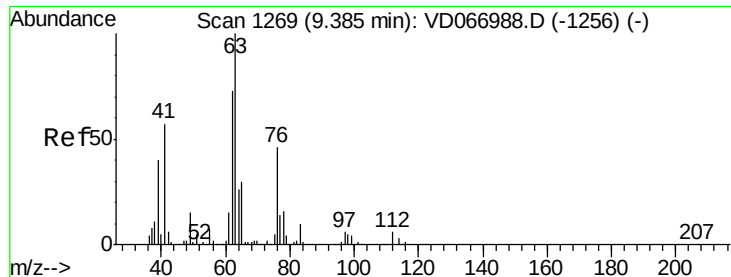
Delta R.T. 0.01 min

Lab File: VD067202.D

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Tgt Ion:	130	Resp:	196099
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	187.8





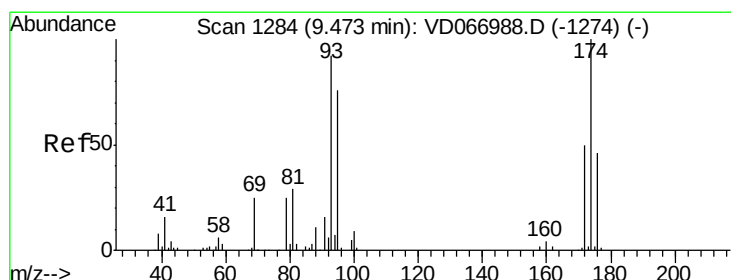
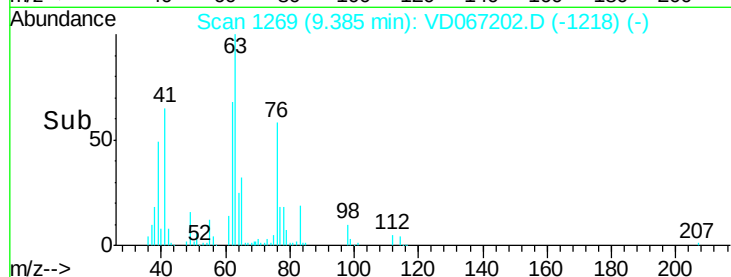
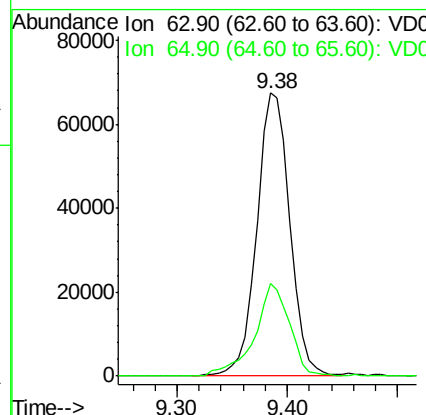
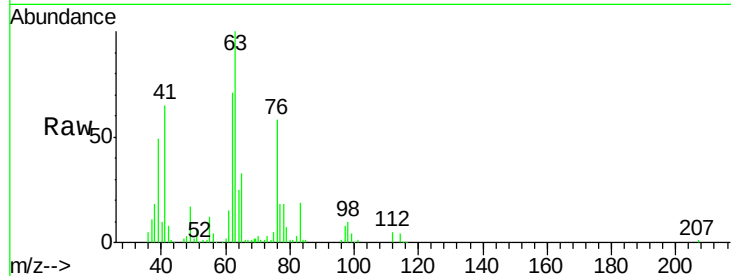
#45
 1,2-Dichloropropane
 Concen: 44.780 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 141540
 Ion Ratio Lower Upper
 63 100
 65 32.7 23.7 35.5

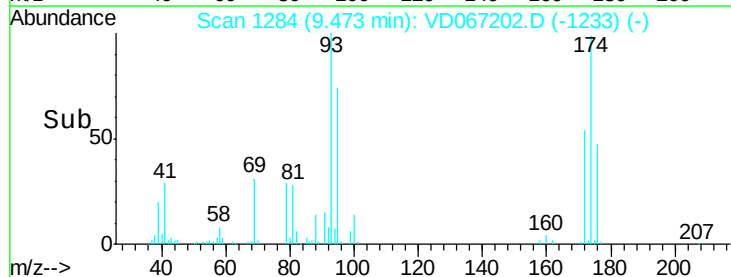
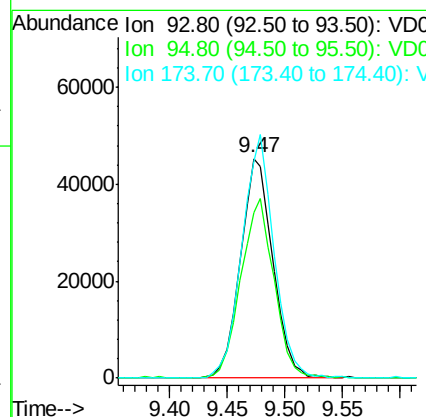
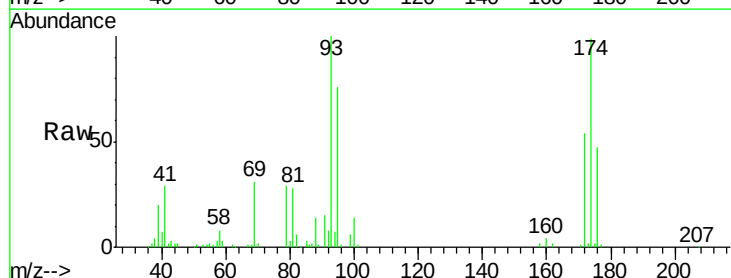
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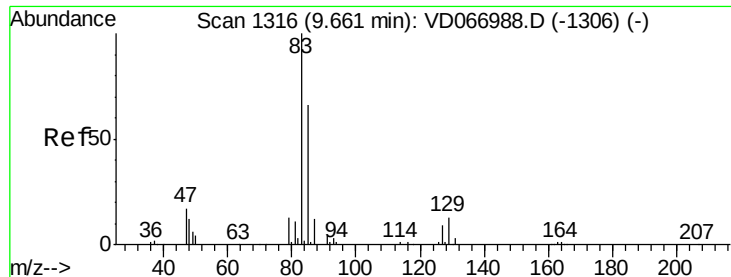
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#46
 Dibromomethane
 Concen: 48.746 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion: 93 Resp: 88555
 Ion Ratio Lower Upper
 93 100
 95 83.3 64.7 97.1
 174 108.6 81.4 122.2





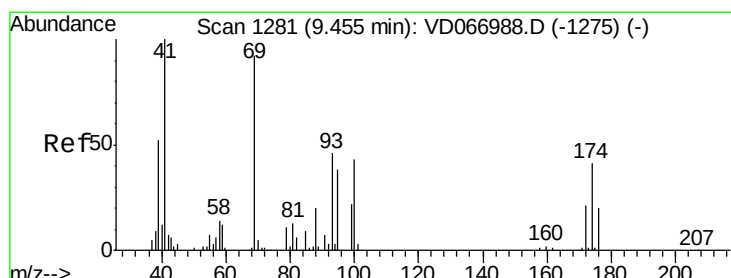
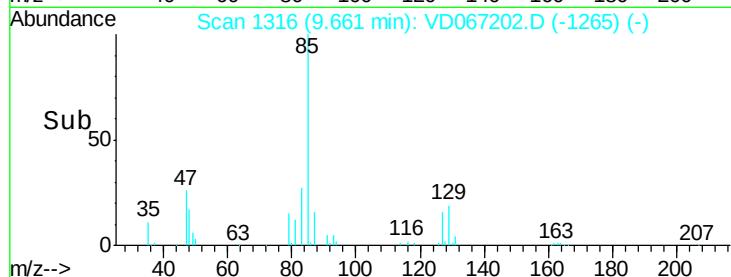
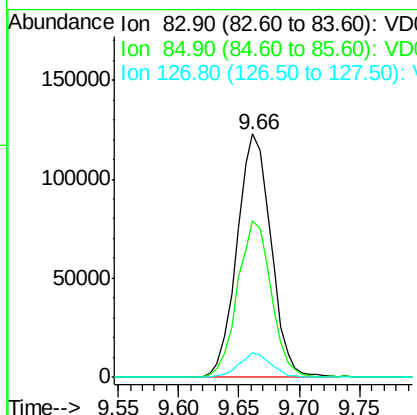
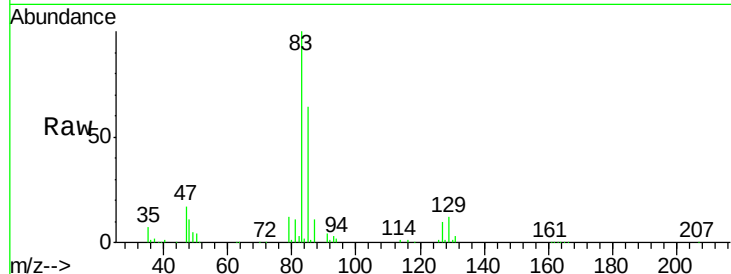
#47
Bromodichloromethane
Concen: 51.212 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	241839
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	52.9	79.3
127	10.3	7.3	10.9

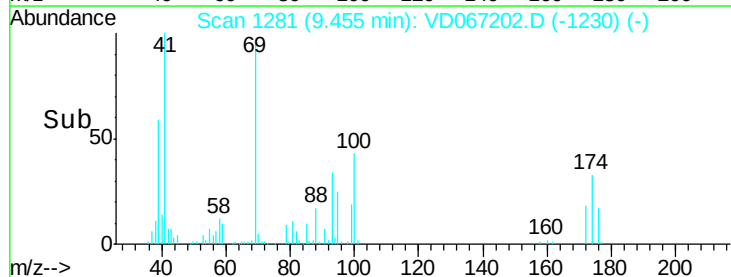
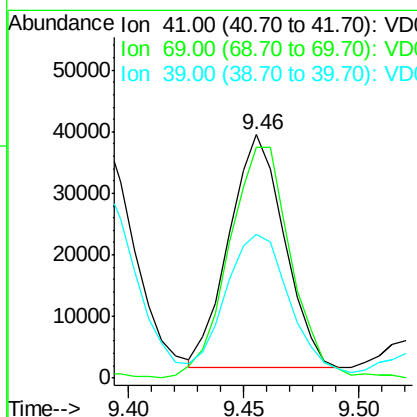
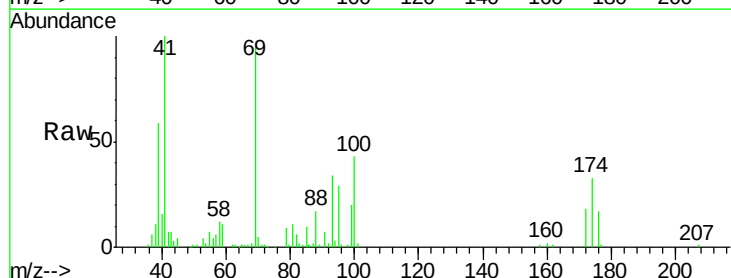
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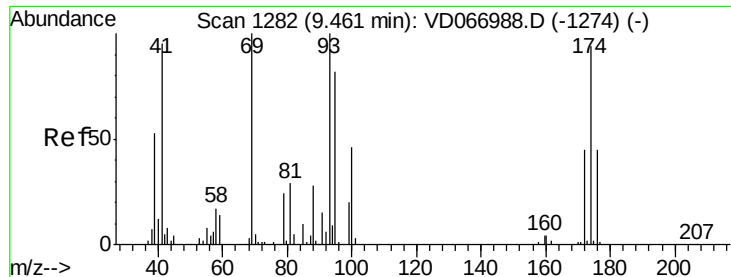
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#48
Methyl methacrylate
Concen: 39.729 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	41	Resp	62911
Ion Ratio	100	Lower	Upper
41	100		
69	112.2	68.5	102.7#
39	73.1	40.2	60.2#





#49

1,4-Dioxane

Concen: 895.195 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

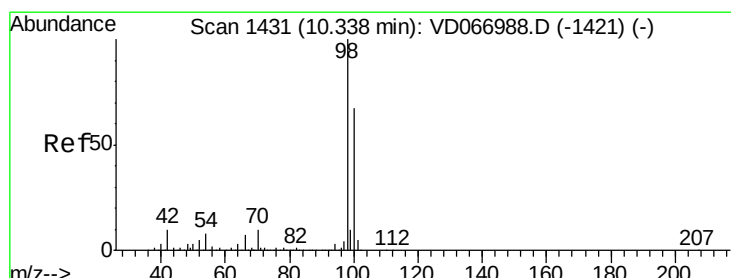
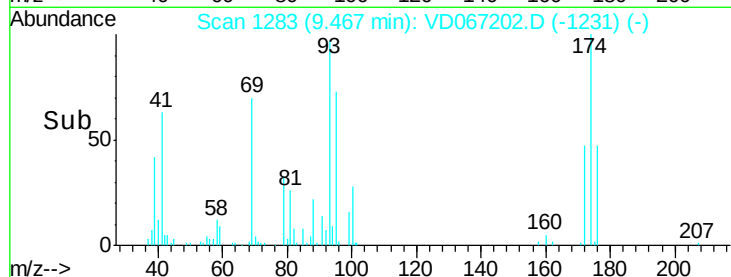
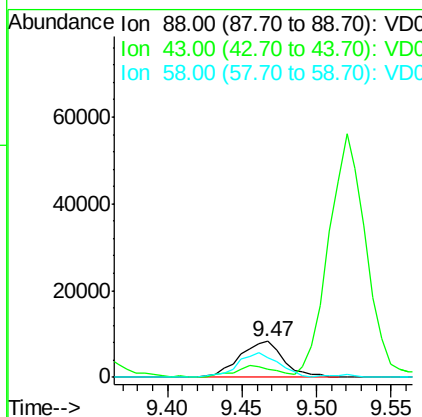
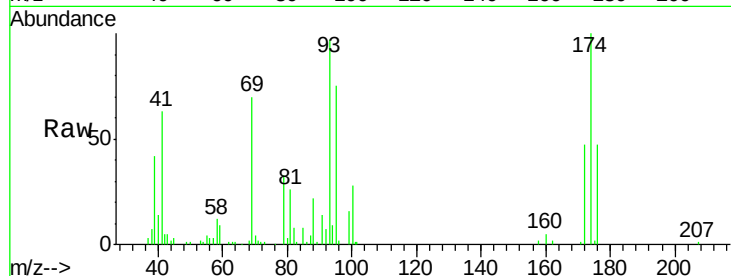
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	16973
Ion	Ratio	Lower	Upper
88	100		
43	30.5	25.6	38.4
58	64.9	53.5	80.3

Manual Integrations
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#50

Toluene-d8

Concen: 48.935 ug/l

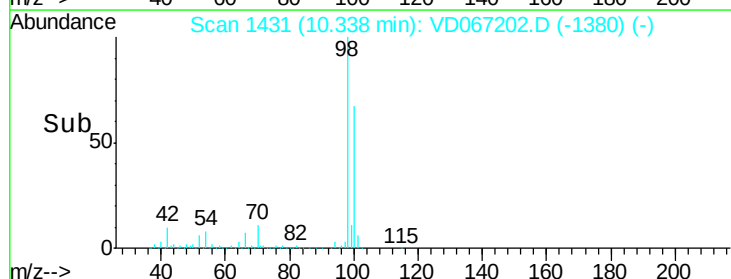
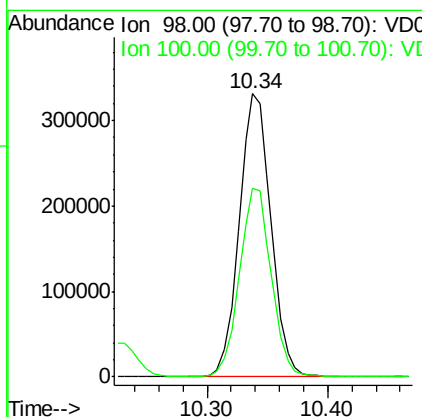
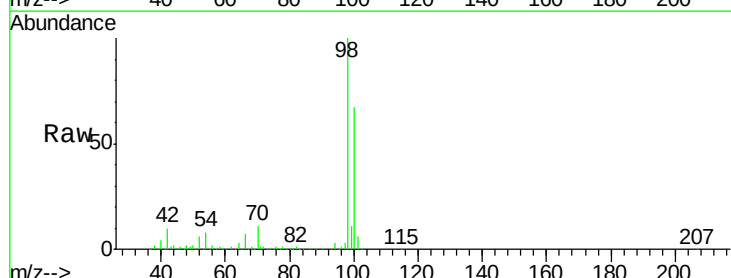
RT: 10.34 min Scan# 1431

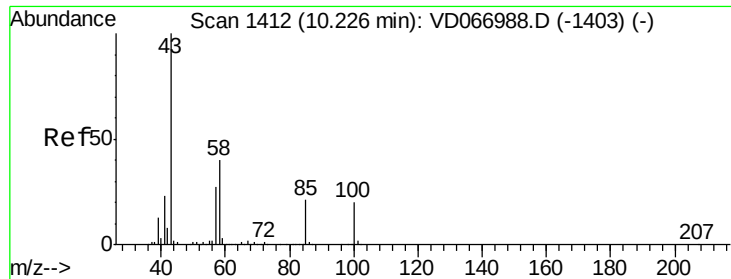
Delta R.T. 0.00 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Tgt Ion:	98	Resp:	606567
Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.8	79.2





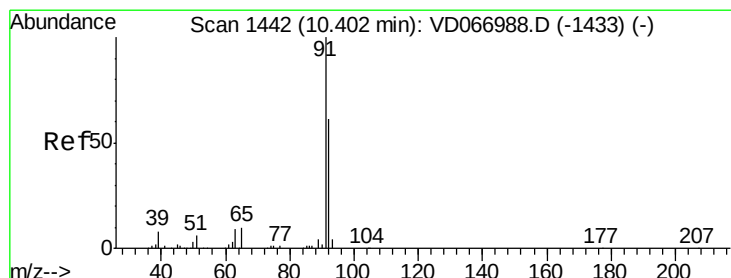
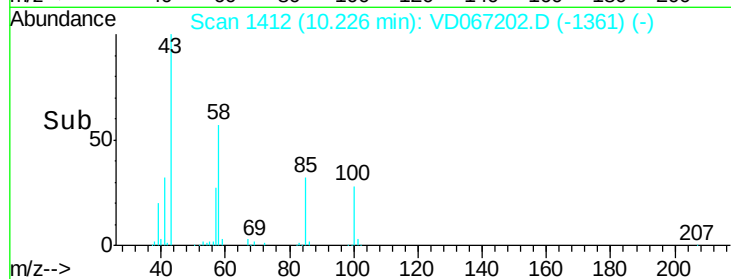
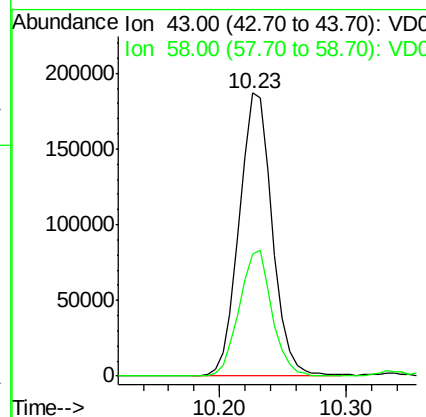
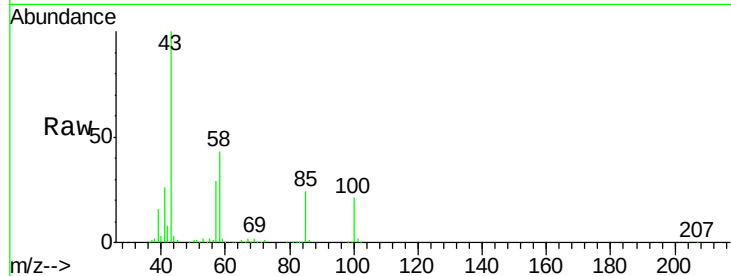
#51
4-Methyl-2-Pentanone
Concen: 219.253 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 337556
Ion Ratio Lower Upper
43 100
58 43.9 33.8 50.8

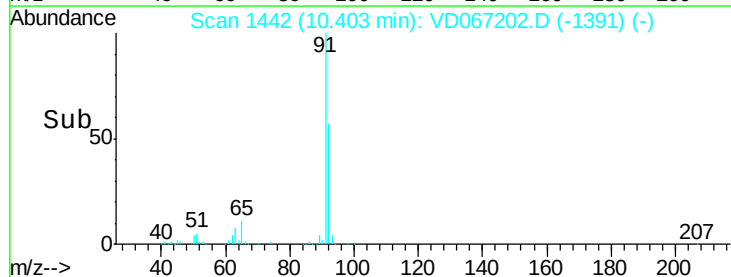
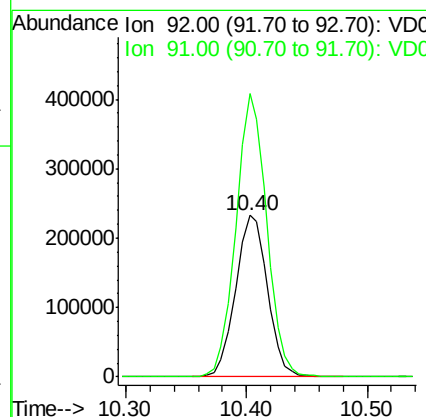
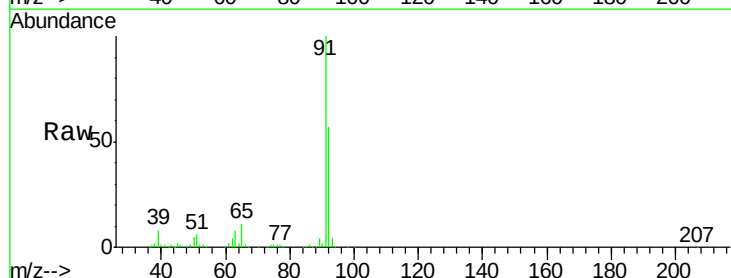
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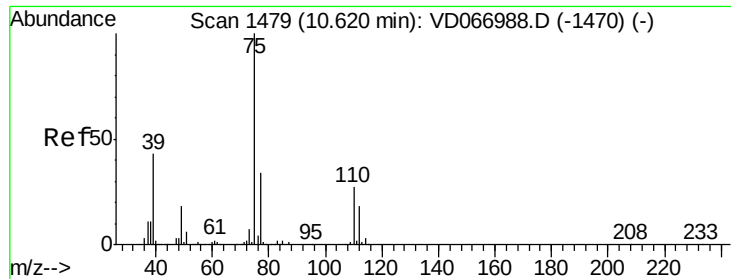
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#52
Toluene
Concen: 49.446 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion: 92 Resp: 428478
Ion Ratio Lower Upper
92 100
91 168.9 135.1 202.7





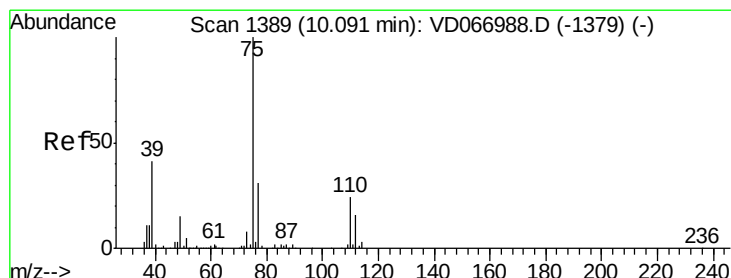
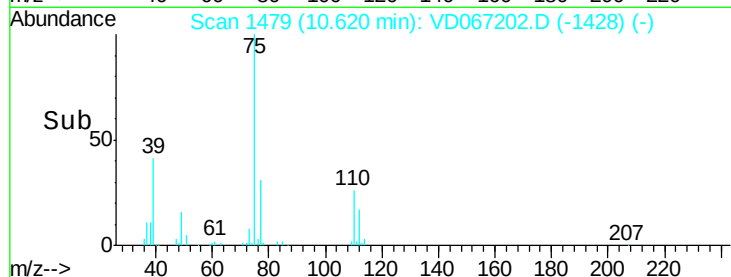
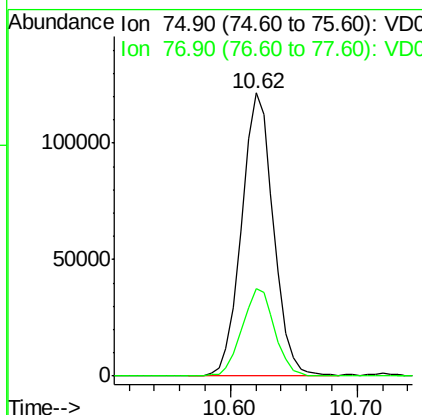
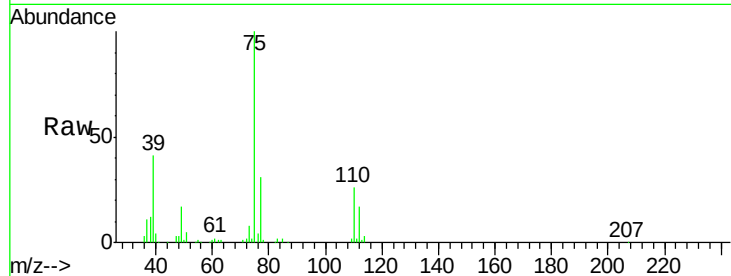
#53
t-1,3-Dichloropropene
Concen: 50.304 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	27.1	40.7

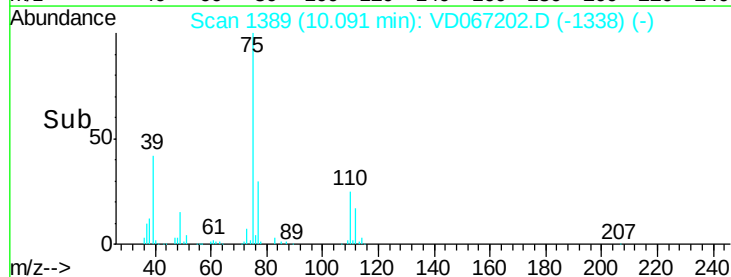
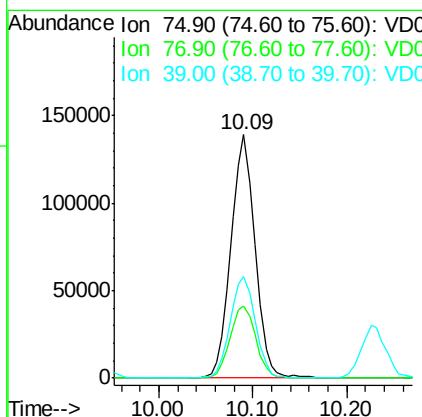
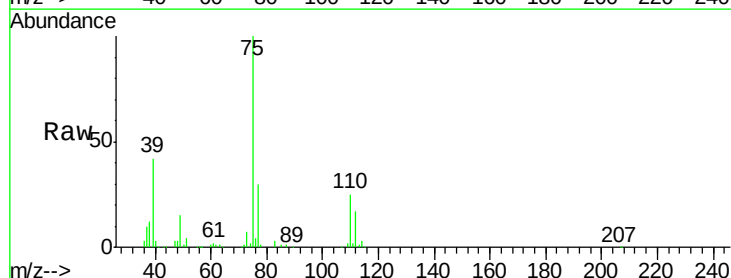
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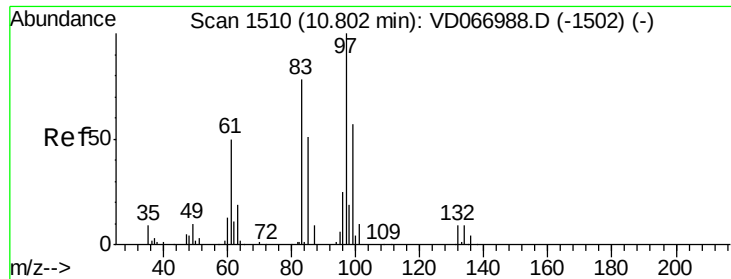
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#54
cis-1,3-Dichloropropene
Concen: 48.112 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.6	24.6	37.0
39	41.3	33.0	49.4





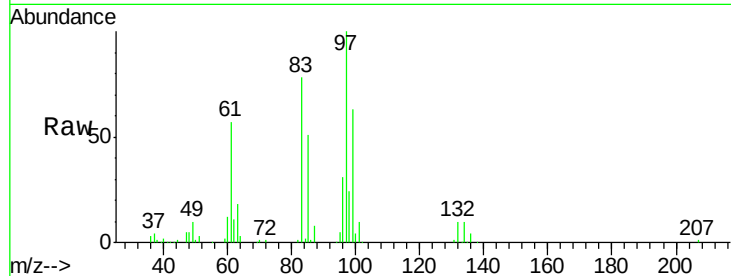
#55
 1,1,2-Trichloroethane
 Concen: 48.436 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

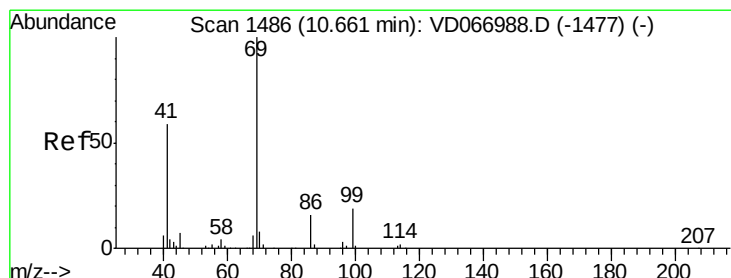
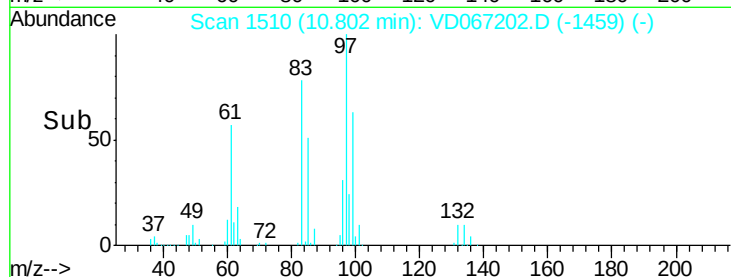
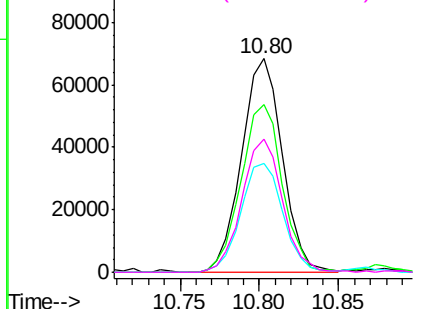
Tot Ion	97	Resp	122336
Ion	Ratio	Lower	Upper
97	100		
83	78.3	62.4	93.6
85	50.7	41.0	61.4
99	62.5	45.9	68.9

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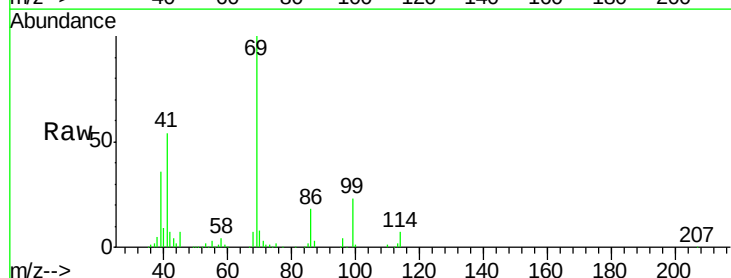


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

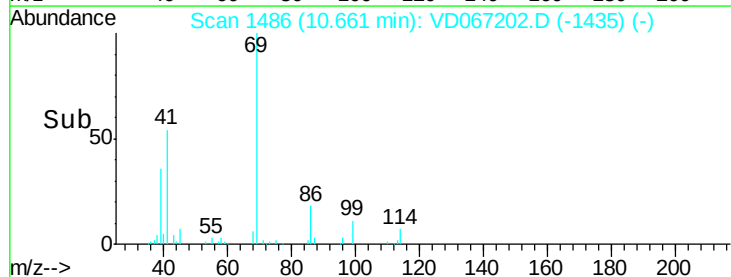
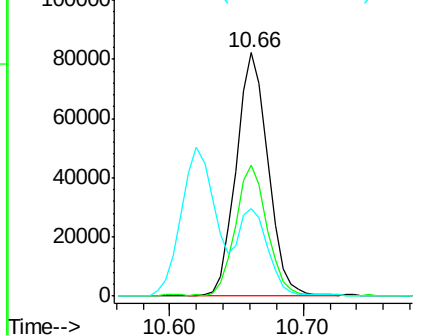


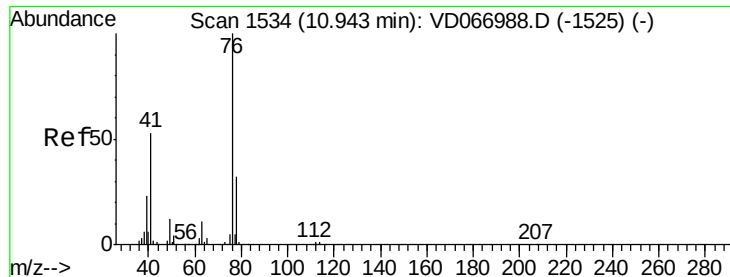
#56
 Ethyl methacrylate
 Concen: 52.066 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion	69	Resp	135770
Ion	Ratio	Lower	Upper
69	100		
41	54.0	46.4	69.6
39	34.7	23.8	35.6



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





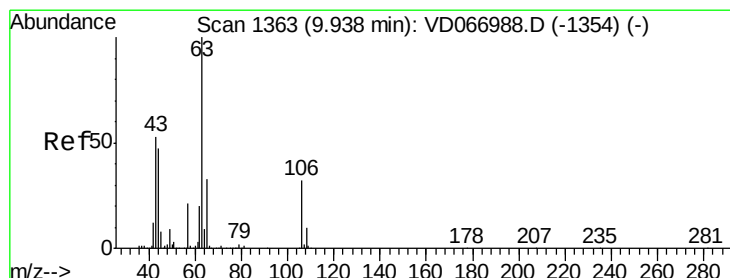
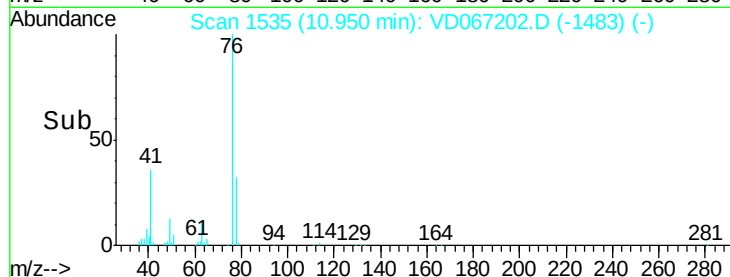
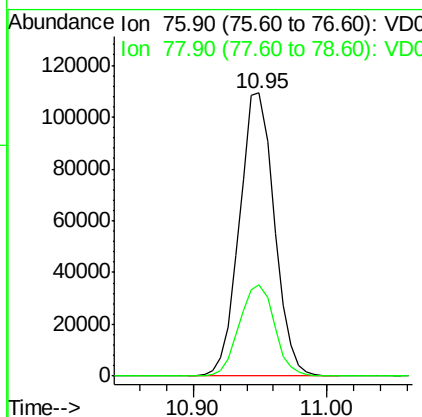
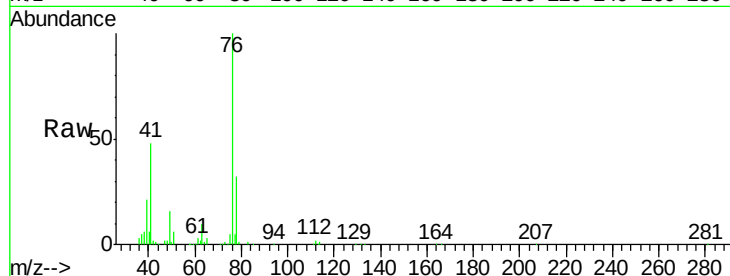
#57
 1,3-Dichloropropane
 Concen: 48.378 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 198143
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8

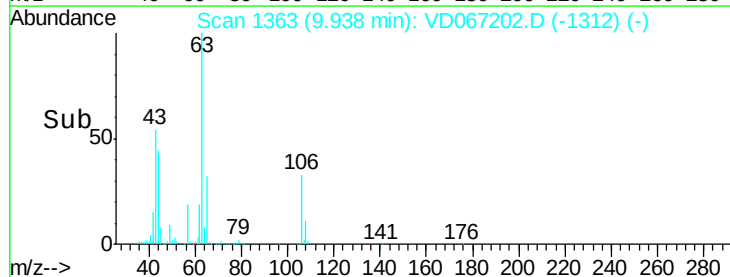
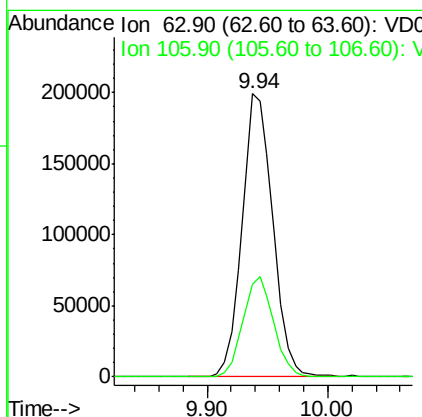
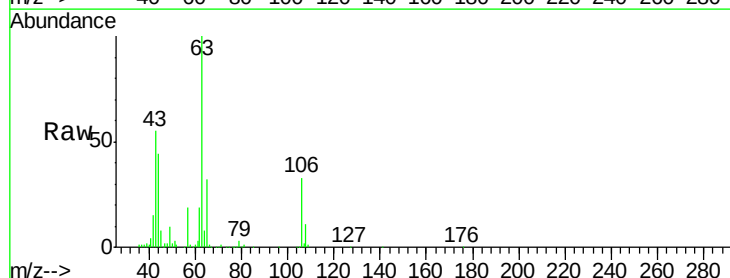
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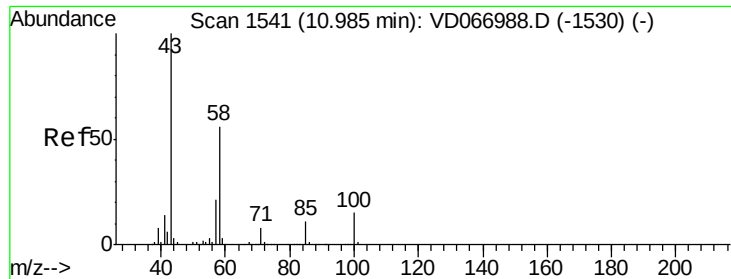
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#58
 2-Chloroethyl Vinyl ether
 Concen: 244.000 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion: 63 Resp: 354134
 Ion Ratio Lower Upper
 63 100
 106 35.2 25.3 37.9





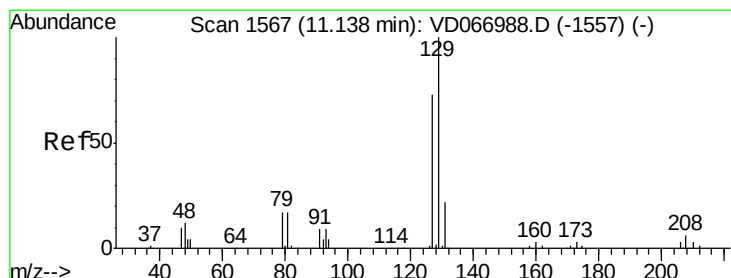
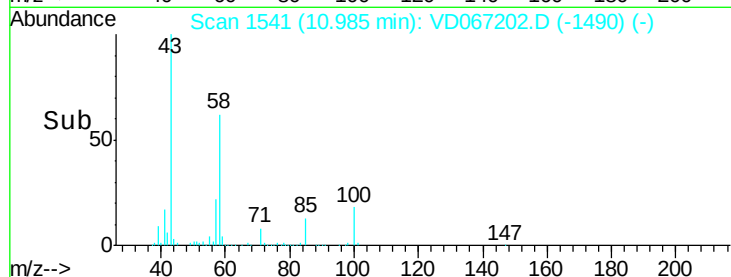
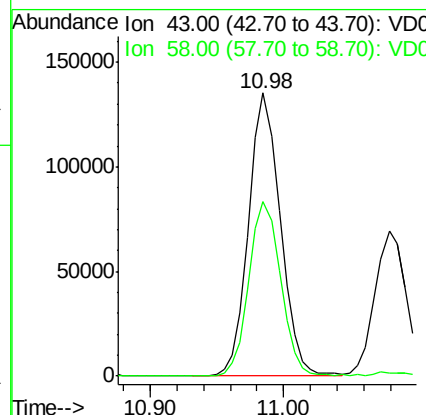
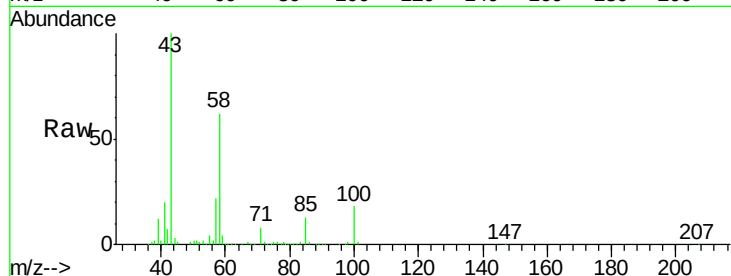
#59
2-Hexanone
Concen: 217.488 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 223486
Ion Ratio Lower Upper
43 100
58 61.8 28.3 84.9

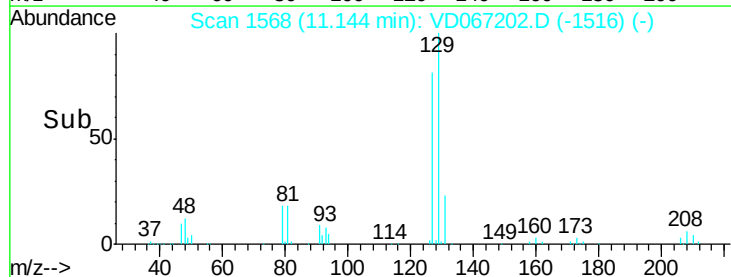
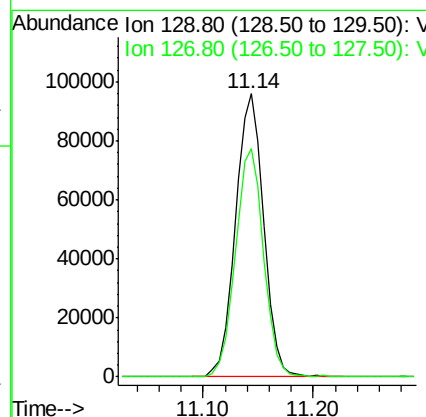
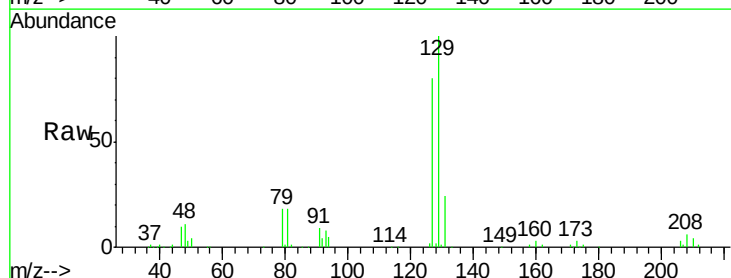
Manual Integrations
APPROVED

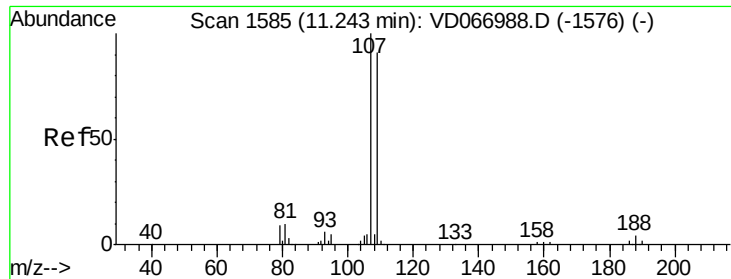
MMDadoda
10/9/2020 4:22:32 PM



#60
Dibromochloromethane
Concen: 51.054 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion: 129 Resp: 171866
Ion Ratio Lower Upper
129 100
127 80.5 37.4 112.1





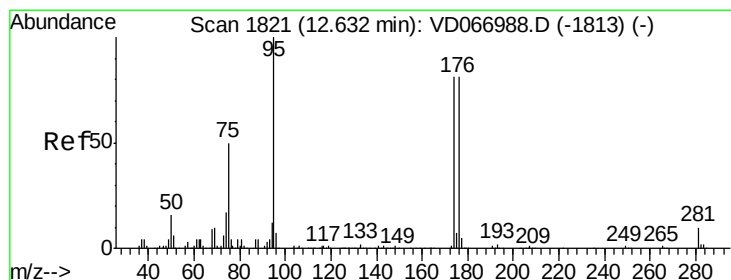
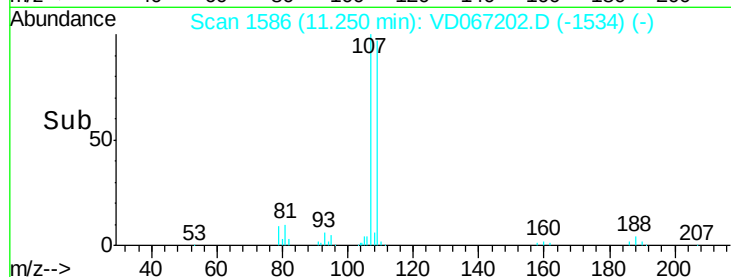
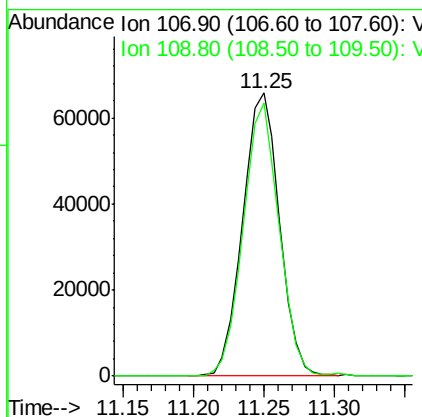
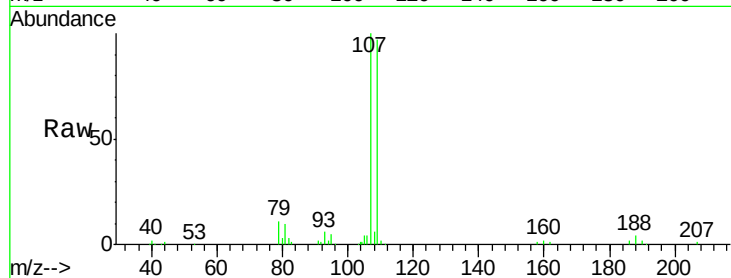
#61
 1,2-Dibromoethane
 Concen: 49.587 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.0	111.0

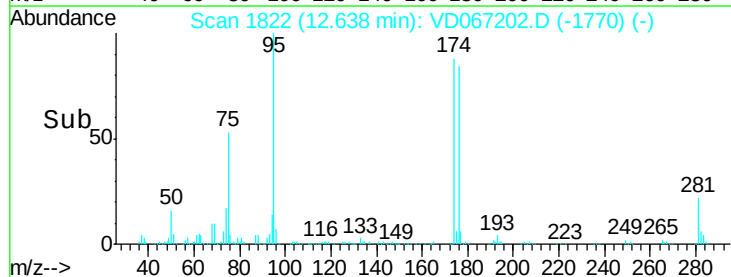
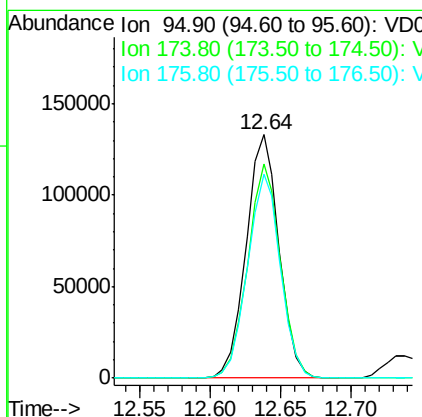
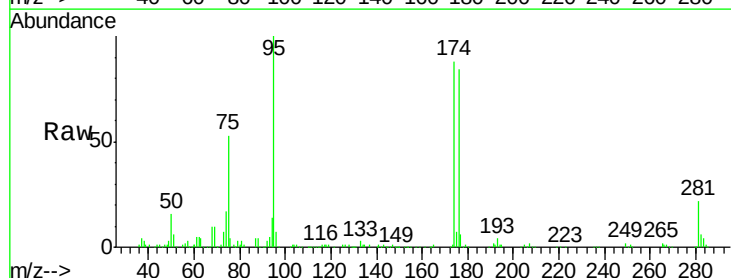
Manual Integrations
 APPROVED

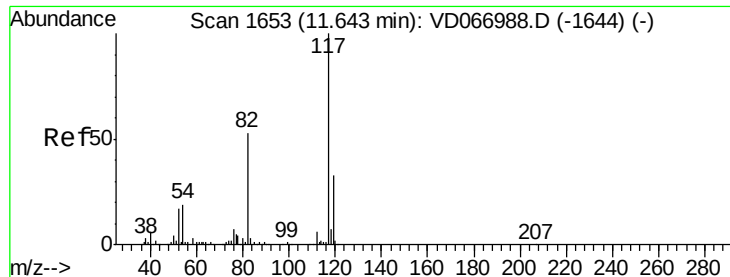
MMDadoda
 10/9/2020 4:22:32 PM



#62
 4-Bromofluorobenzene
 Concen: 51.606 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.6	0.0	167.6
176	83.7	0.0	162.4





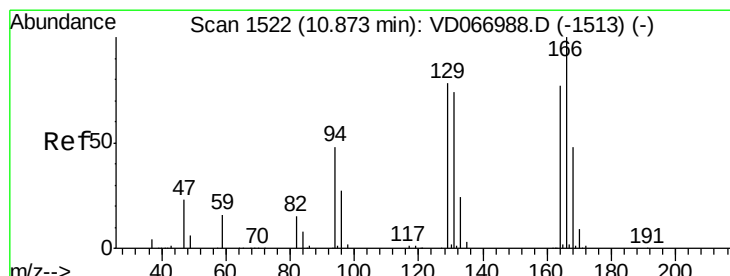
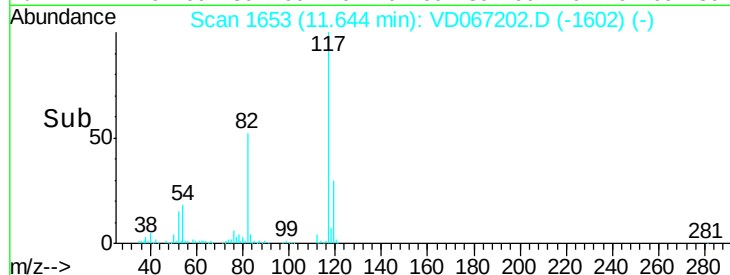
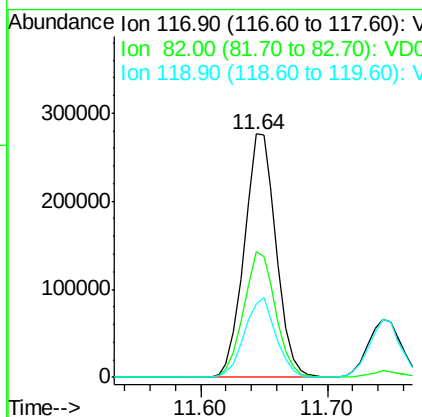
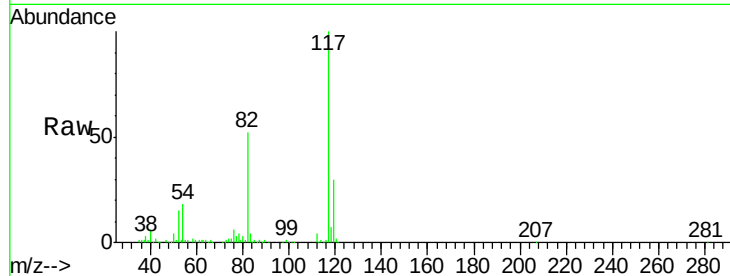
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.6	63.8
119	30.0	26.3	39.5

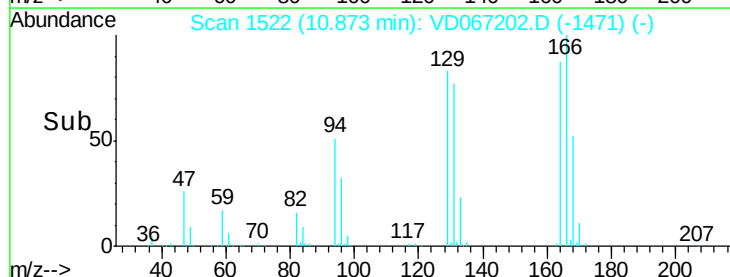
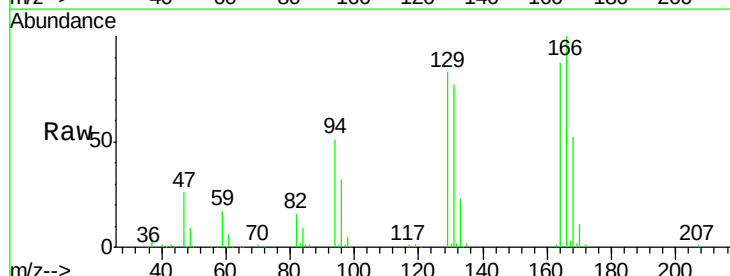
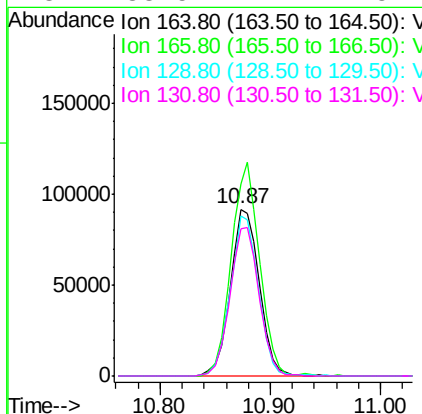
Manual Integrations
APPROVED

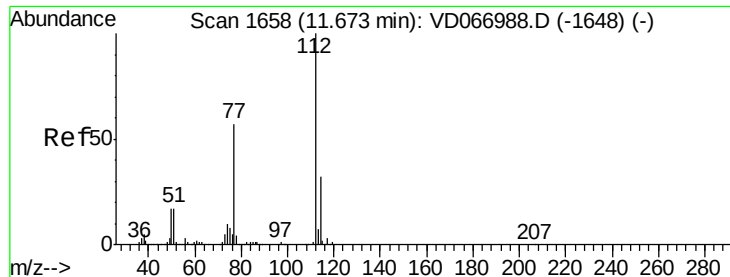
MMDadoda
10/9/2020 4:22:32 PM



#64
Tetrachloroethene
Concen: 47.991 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	115.6	104.4	156.6
129	96.0	81.3	121.9
131	88.5	77.1	115.7





#65

Chlorobenzene

Concen: 48.761 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 469337

Ion Ratio Lower Upper

112 100

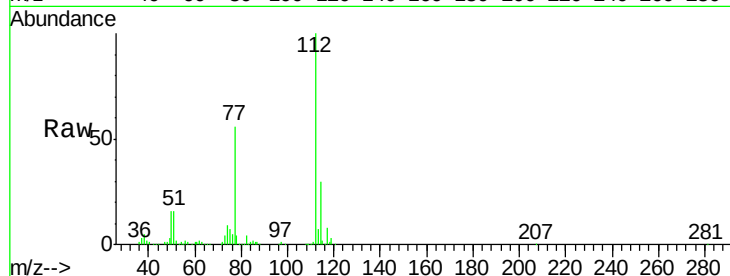
114 30.4 25.4 38.0

Manual Integrations

APPROVED

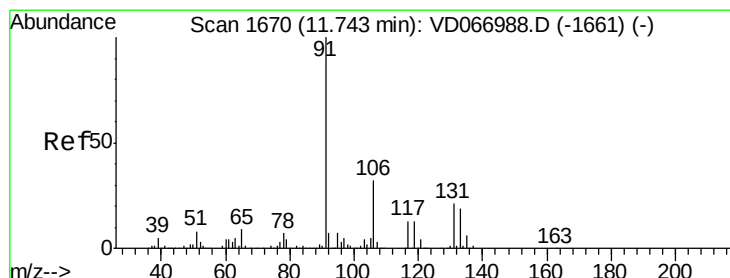
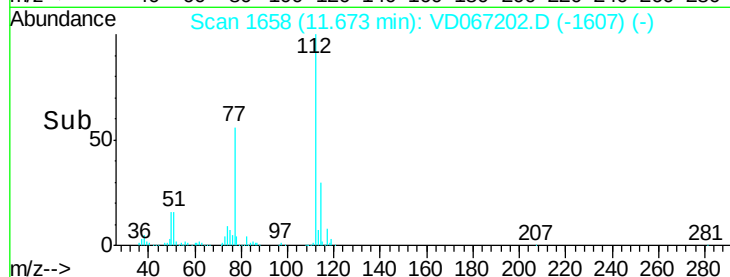
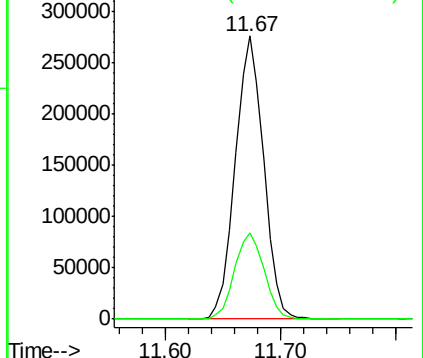
MMDadoda

10/9/2020 4:22:32 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.171 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

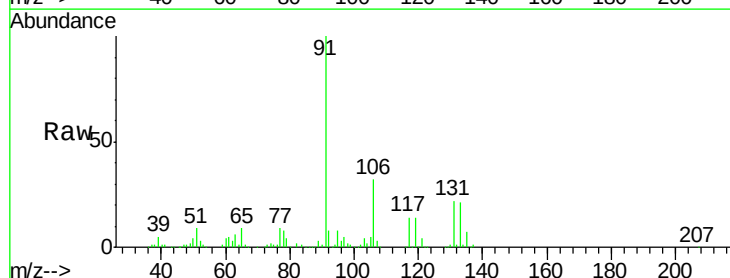
Tgt Ion:131 Resp: 187352

Ion Ratio Lower Upper

131 100

133 95.4 47.8 143.3

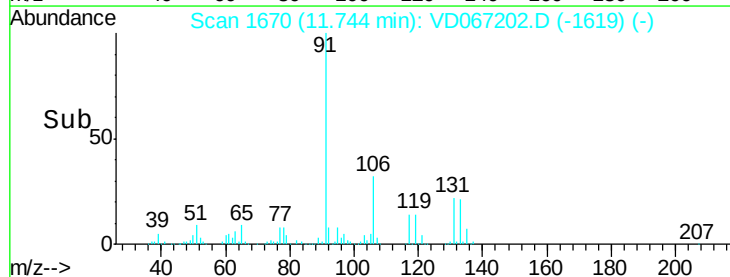
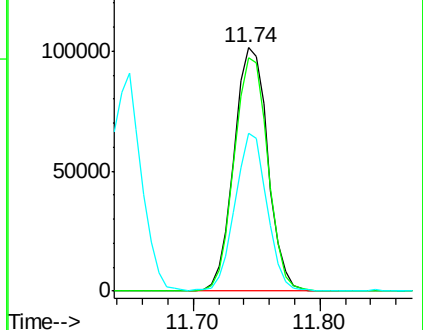
119 61.2 32.3 96.8

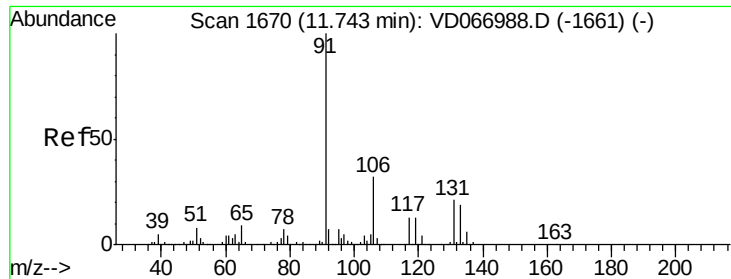


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





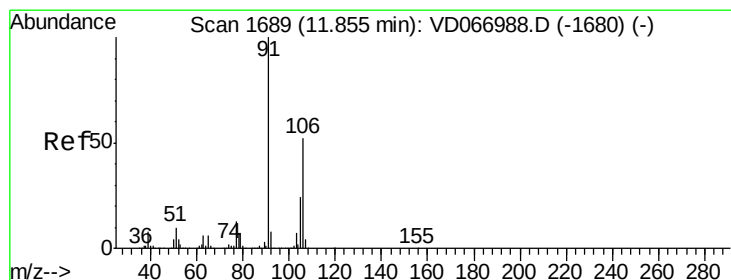
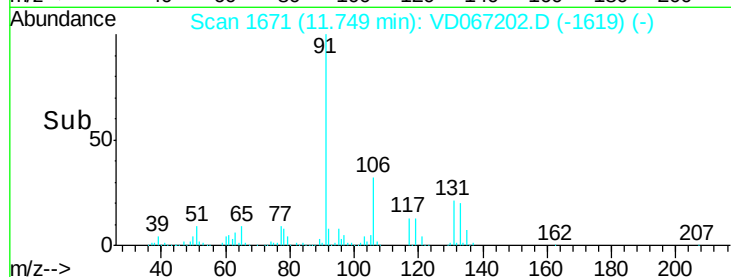
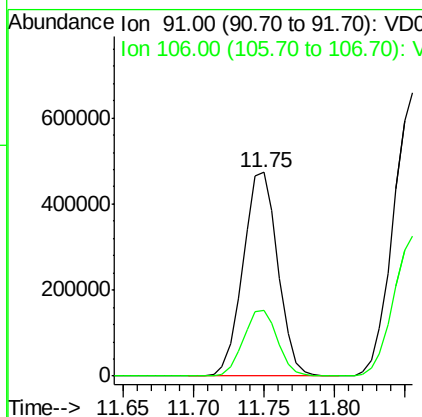
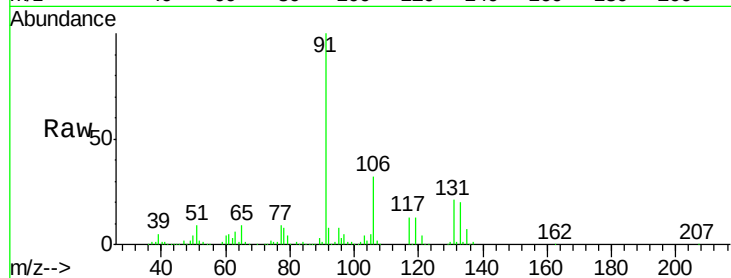
#67
Ethyl Benzene
Concen: 49.680 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 819322
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.2

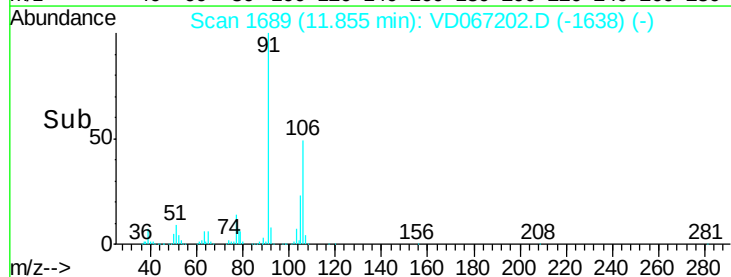
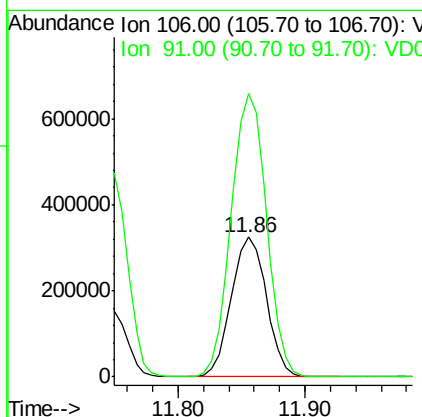
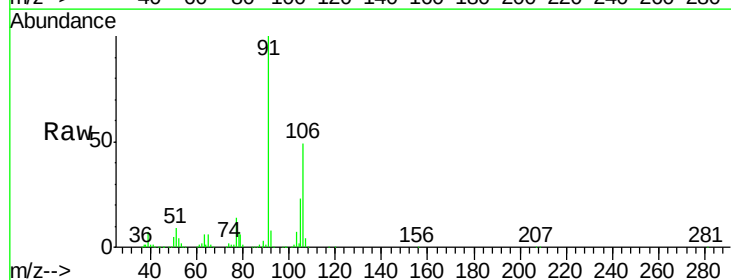
Manual Integrations
APPROVED

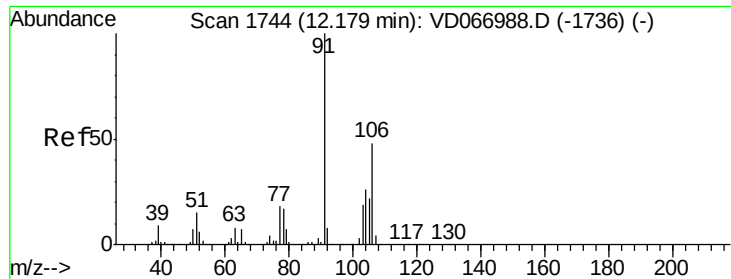
MMDadoda
10/9/2020 4:22:32 PM



#68
m/p-Xylenes
Concen: 96.816 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion: 106 Resp: 622246
Ion Ratio Lower Upper
106 100
91 204.4 158.4 237.6





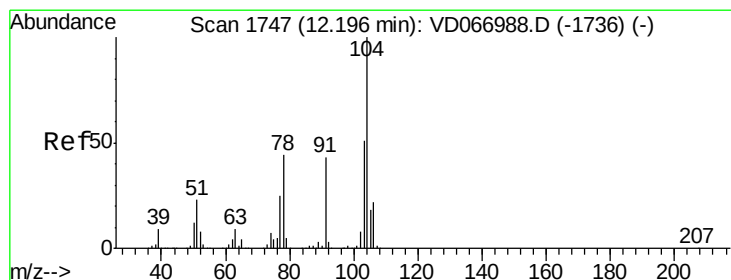
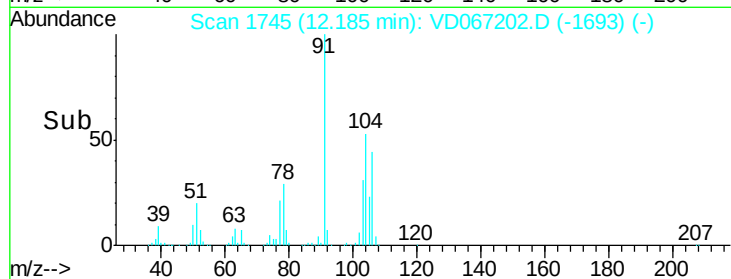
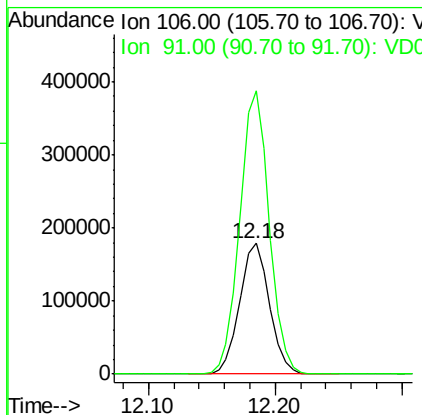
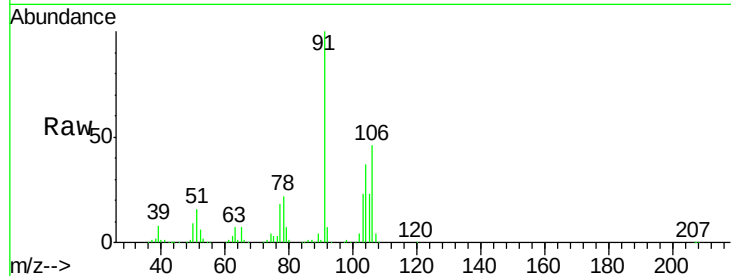
#69
o-Xylene
Concen: 50.710 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		291452		
91	213.9	102.4	307.2		

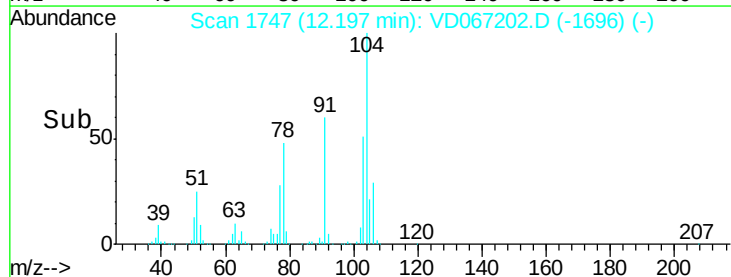
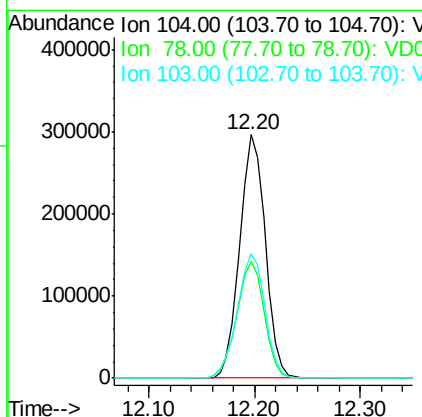
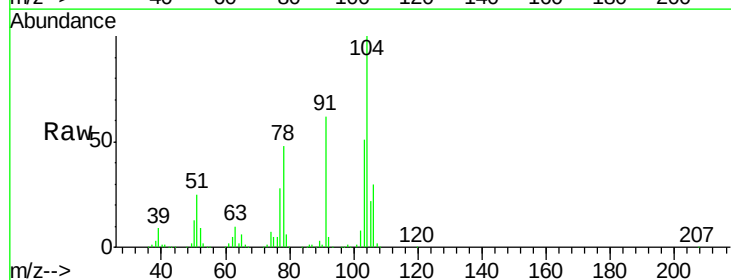
Manual Integrations
APPROVED

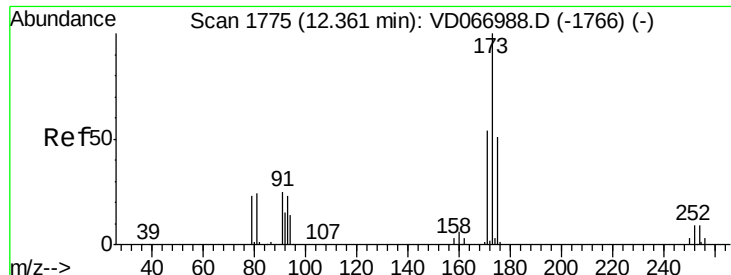
MMDadoda
10/9/2020 4:22:32 PM



#70
Styrene
Concen: 50.503 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		498424		
78	51.1	38.6	58.0		
103	54.9	43.4	65.0		





#71

Bromoform

Concen: 51.505 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 97887

Ion Ratio Lower Upper

173 100

175 47.9 24.9 74.7

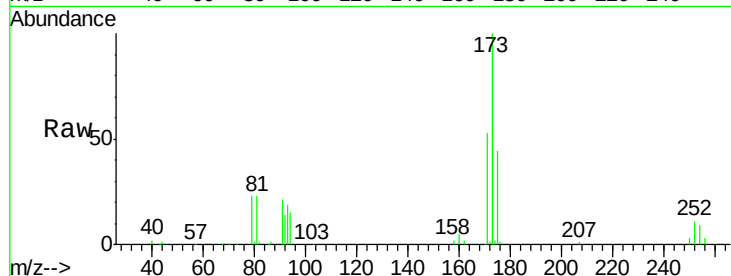
254 0.0 0.2 0.4#

Manual Integrations

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MMDadoda

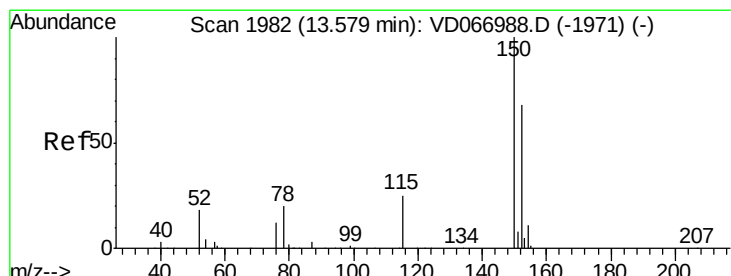
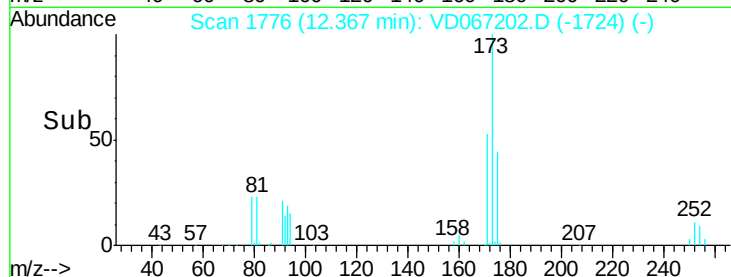
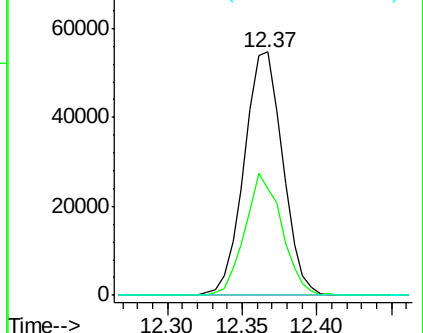
10/9/2020 4:22:32 PM



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# 1983

Delta R.T. 0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

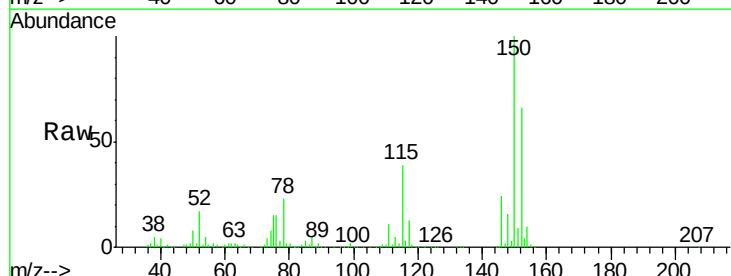
Tgt Ion:152 Resp: 247732

Ion Ratio Lower Upper

152 100

115 59.0 29.6 88.8

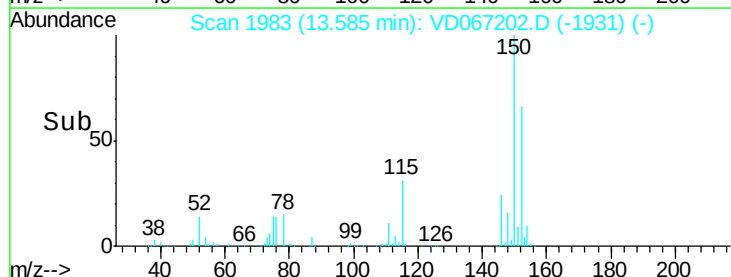
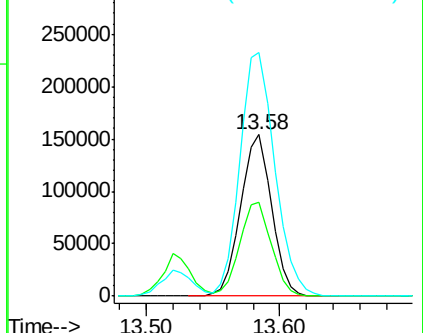
150 169.8 0.0 344.8

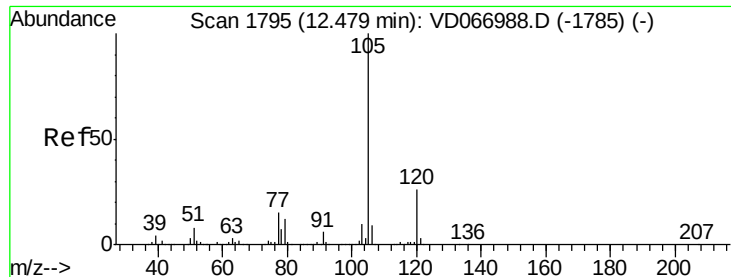


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





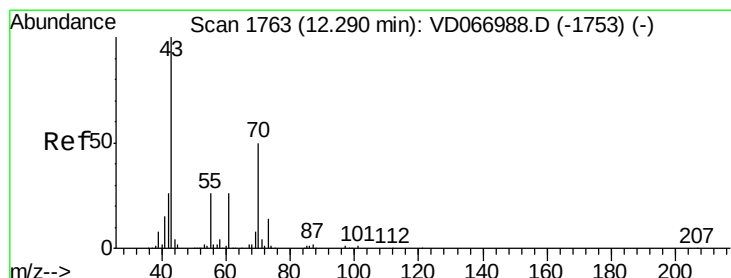
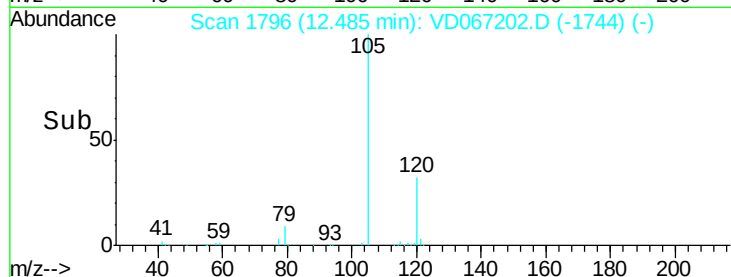
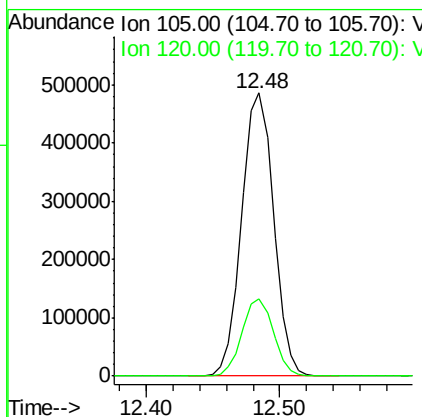
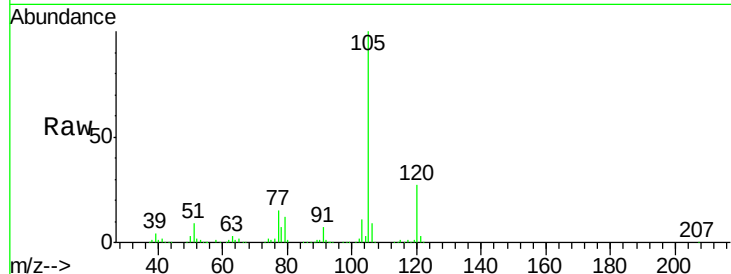
#73
Isopropylbenzene
Concen: 47.856 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.3	39.9

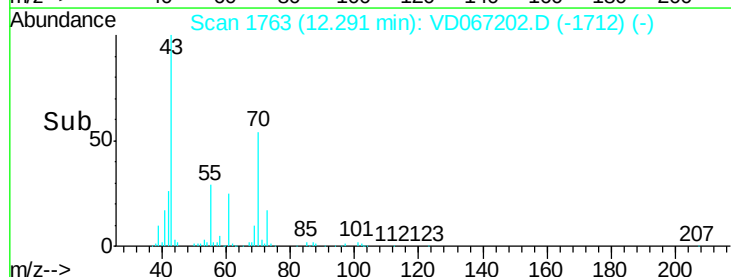
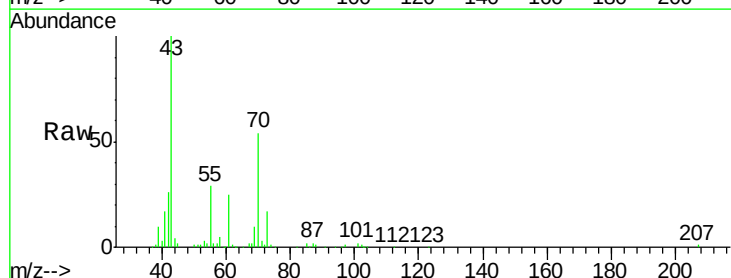
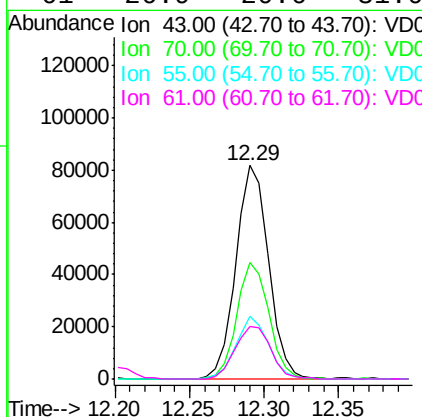
Manual Integrations
APPROVED

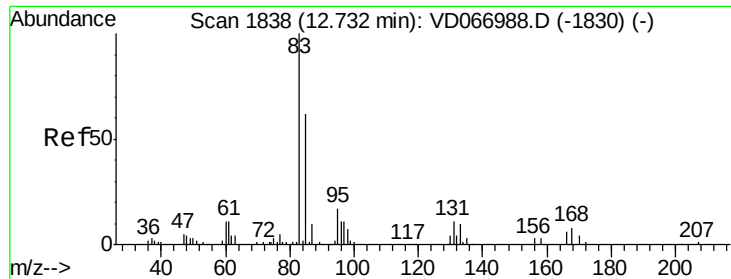
MMDadoda
10/9/2020 4:22:32 PM



#74
N-ethyl acetate
Concen: 41.419 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	53.1	38.2	57.2
55	29.1	22.4	33.6
61	26.9	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 42.186 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

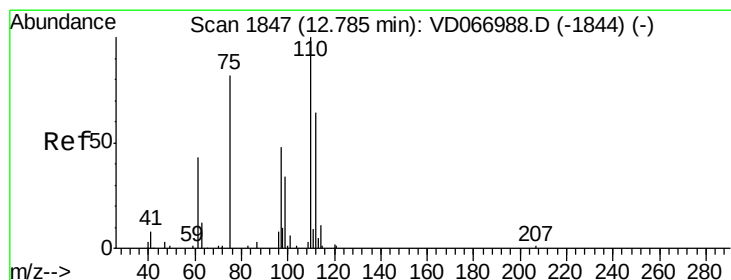
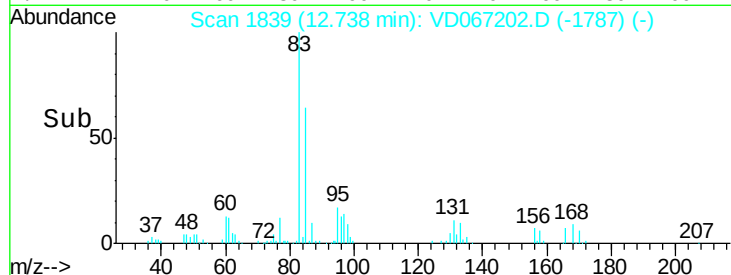
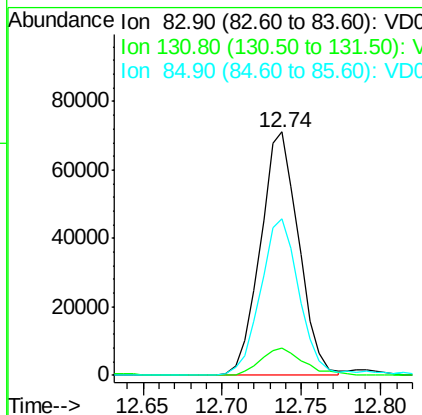
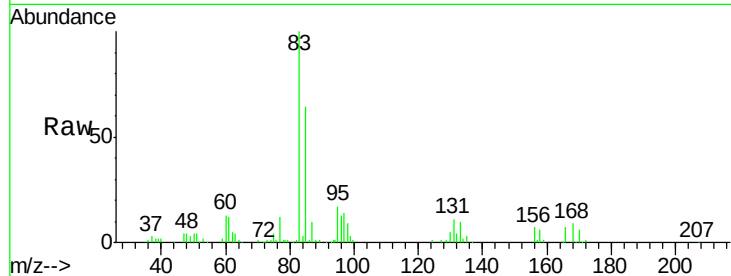
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	119563
Ion Ratio	Lower	Upper	
83	100		
131	12.5	5.7	17.0
85	66.2	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:32 PM



#76

1,2,3-Trichloropropane

Concen: 41.397 ug/l m

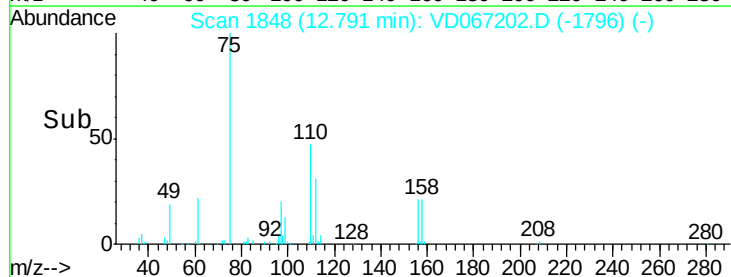
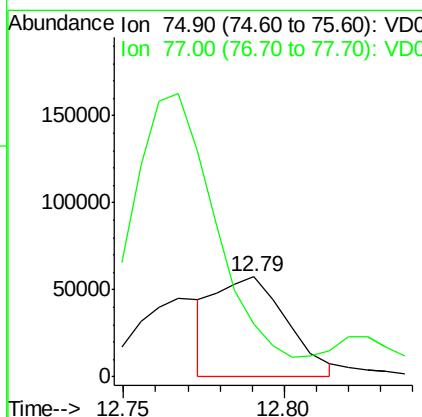
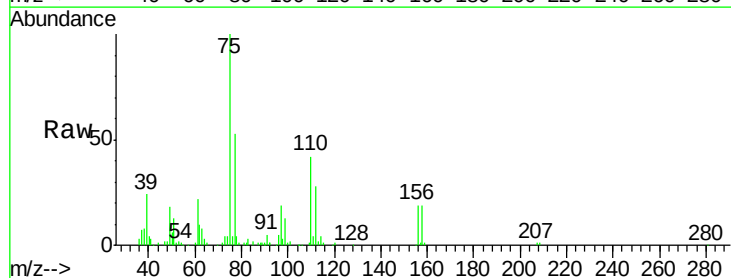
RT: 12.79 min Scan# 1848

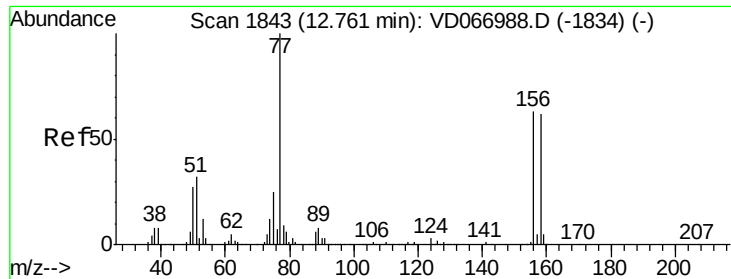
Delta R.T. 0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Tgt Ion:	75	Resp:	89328
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.551 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

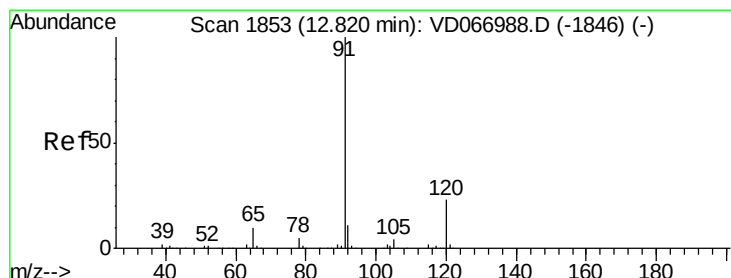
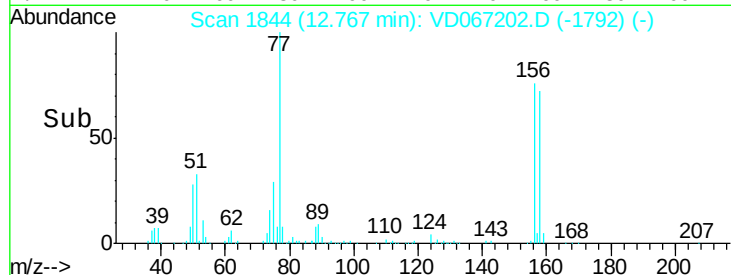
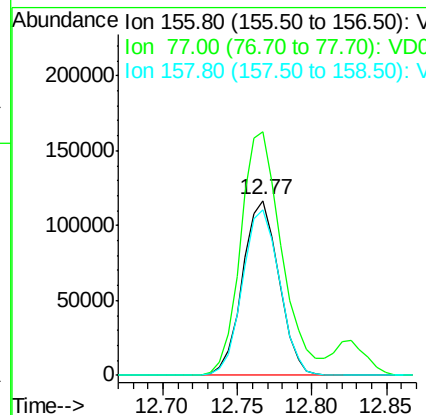
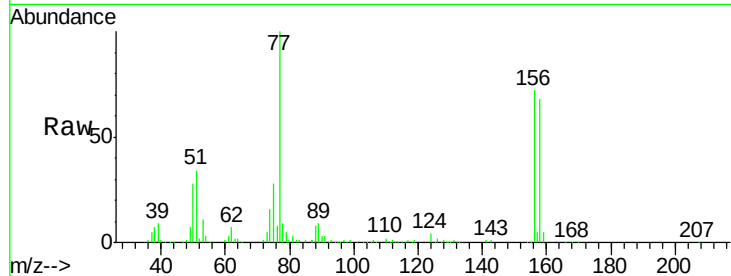
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	197203
Ion Ratio	Lower	Upper	
156	100		
77	156.1	86.3	258.8
158	96.7	49.5	148.3

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#78

n-propylbenzene

Concen: 46.891 ug/l

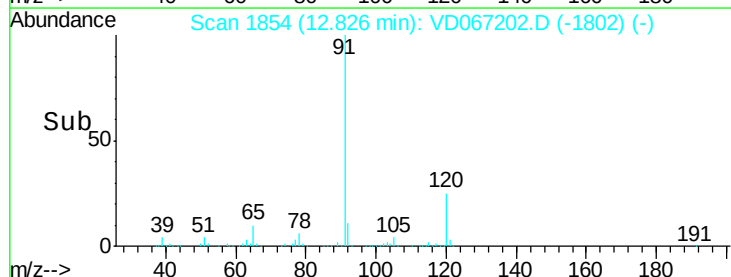
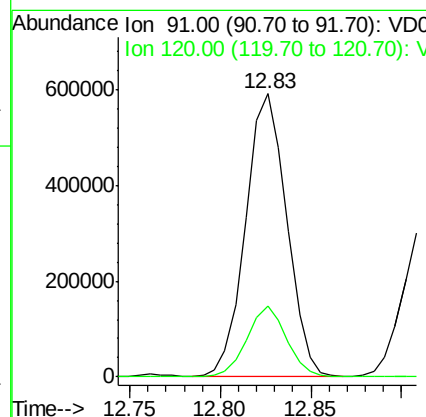
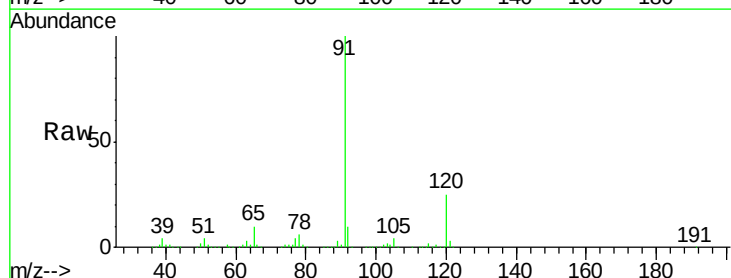
RT: 12.83 min Scan# 1854

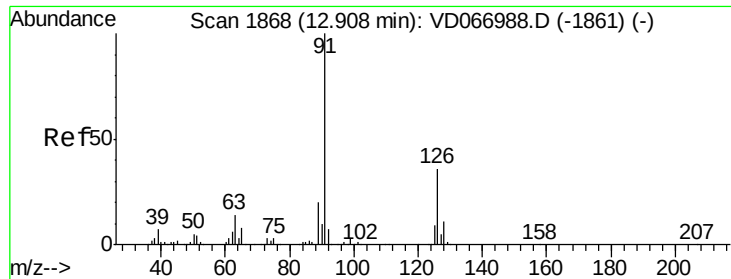
Delta R.T. 0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Tgt Ion:	91	Resp:	932192
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.6	34.8





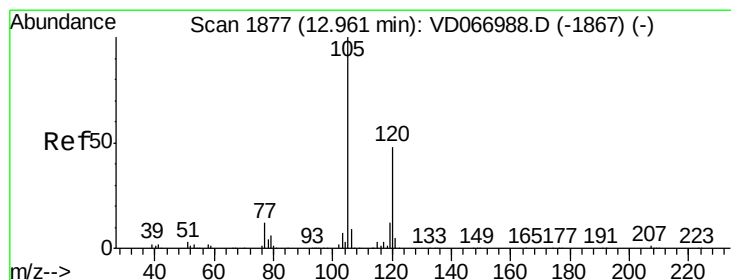
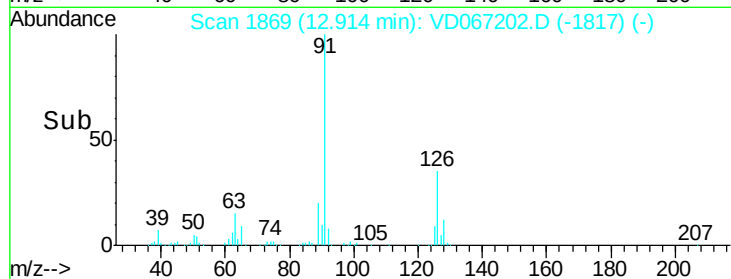
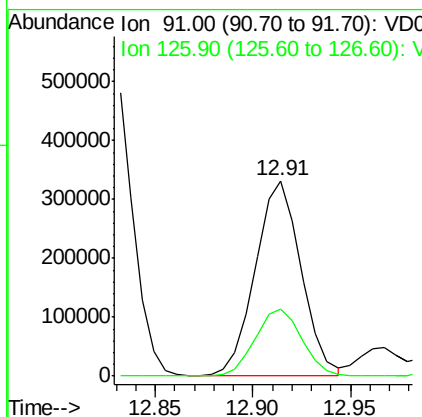
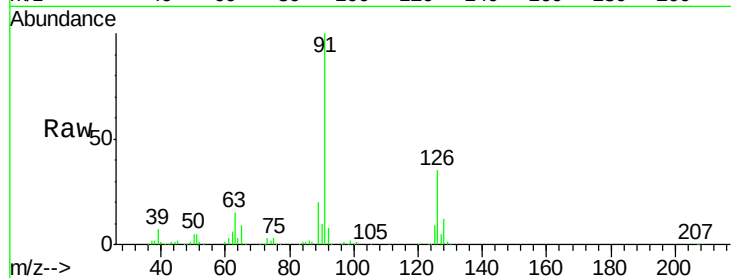
#79
2-Chlorotoluene
Concen: 47.443 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.6

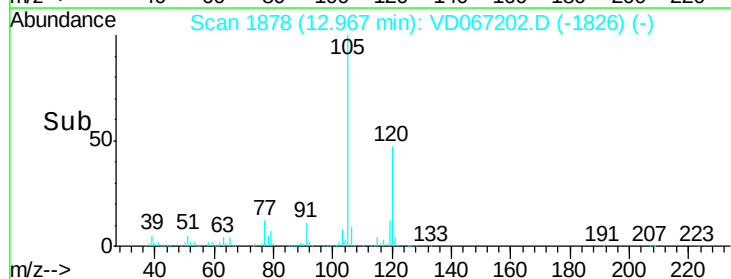
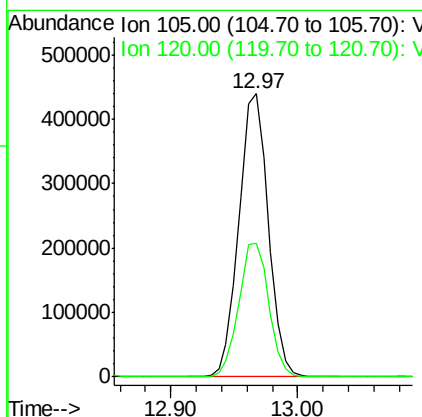
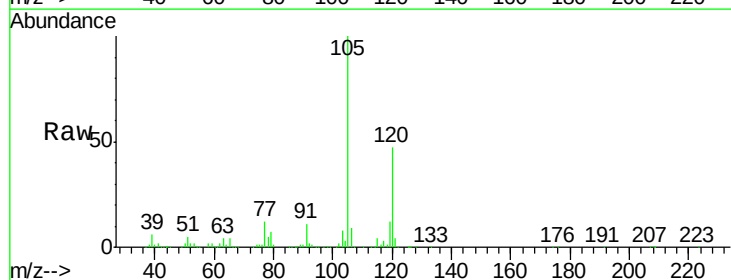
Manual Integrations
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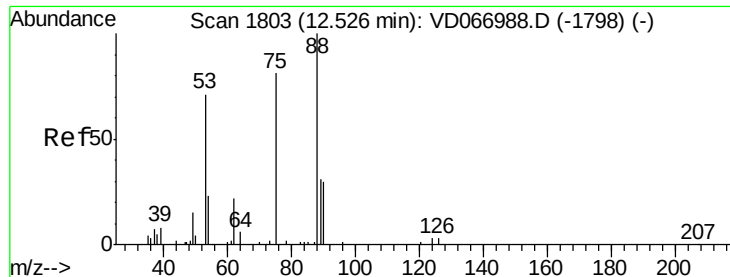
MMDadoda
10/9/2020 4:22:32 PM



#80
1,3,5-Trimethylbenzene
Concen: 49.689 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.6	74.0





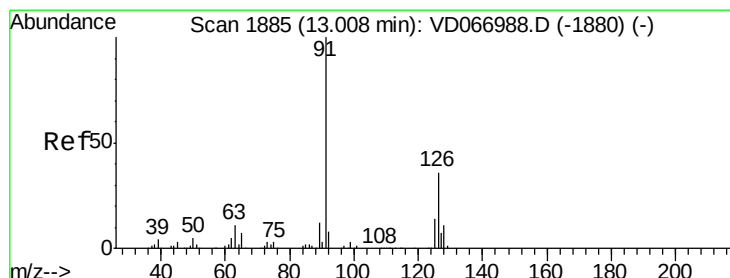
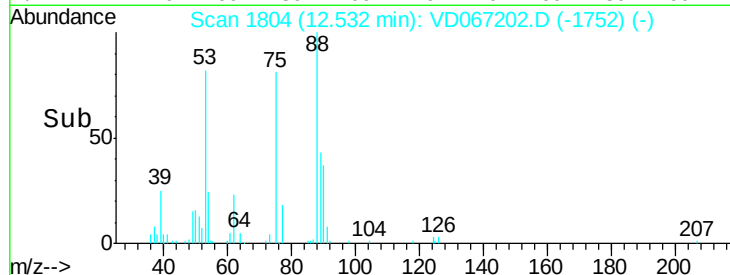
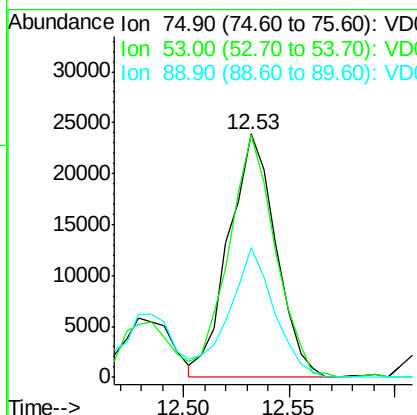
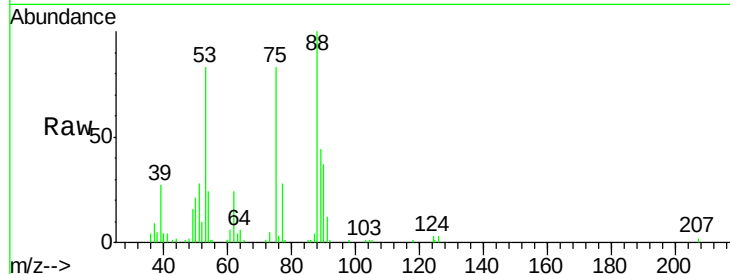
#81
trans-1,4-Dichloro-2-butene
Concen: 42.756 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.3	73.8	110.6
89	51.1	38.9	58.3

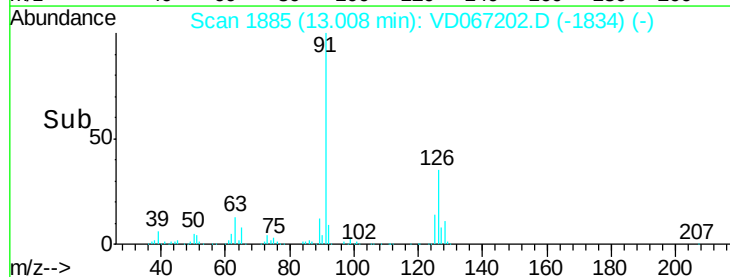
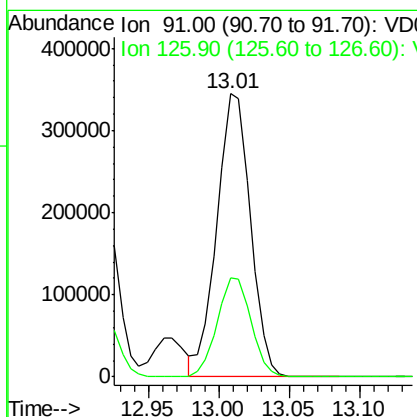
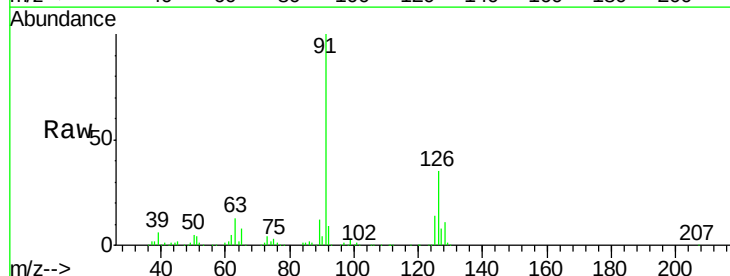
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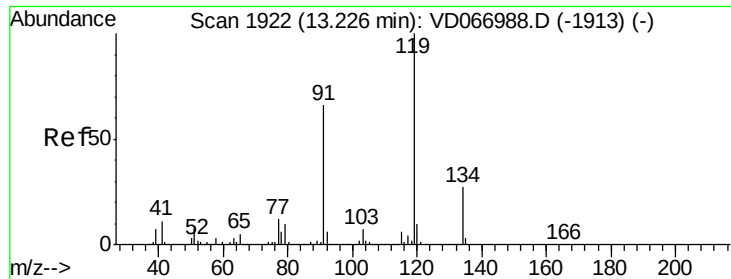
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.136 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.5





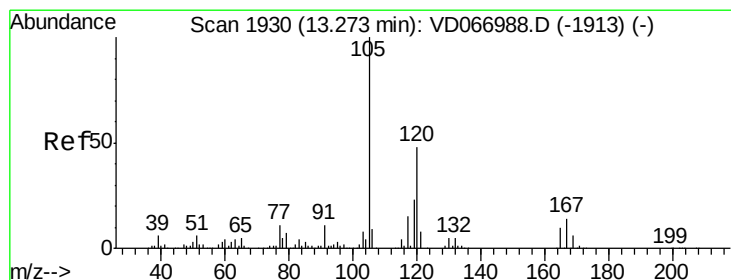
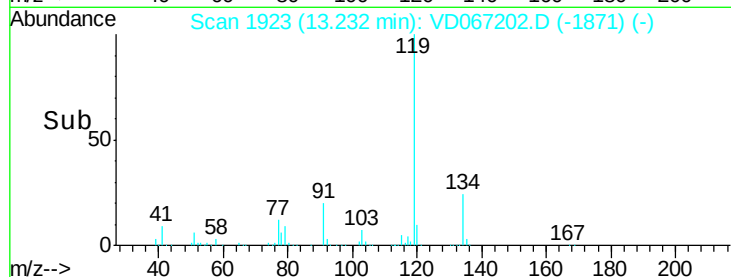
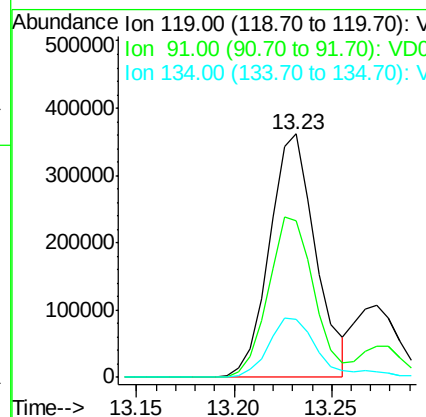
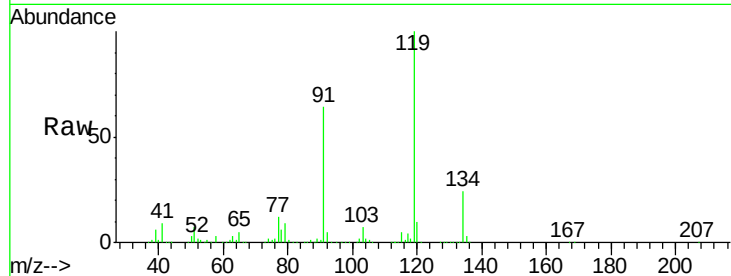
#83
 tert-Butylbenzene
 Concen: 49.455 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.8	98.3
134	26.7	13.9	41.7

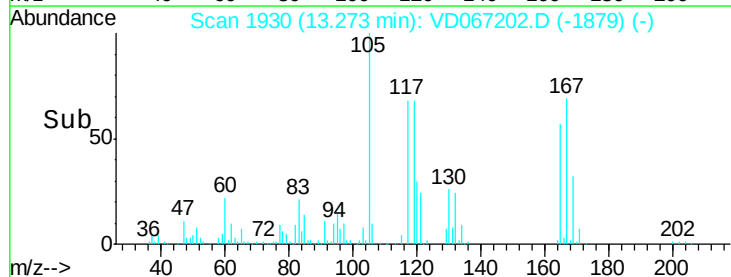
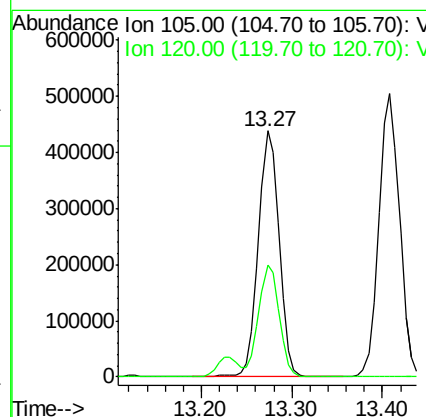
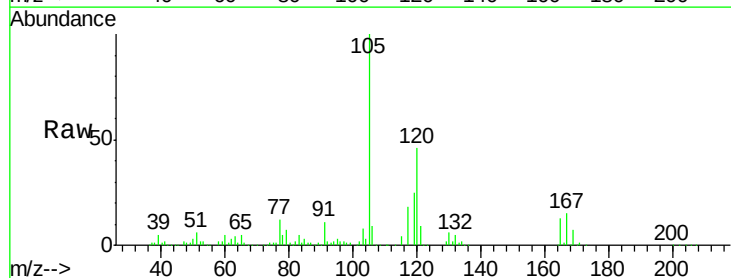
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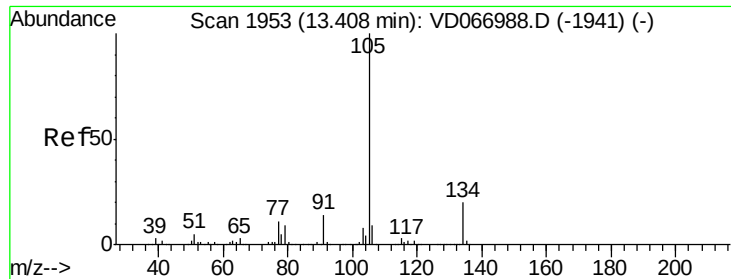
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.220 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.3	69.8





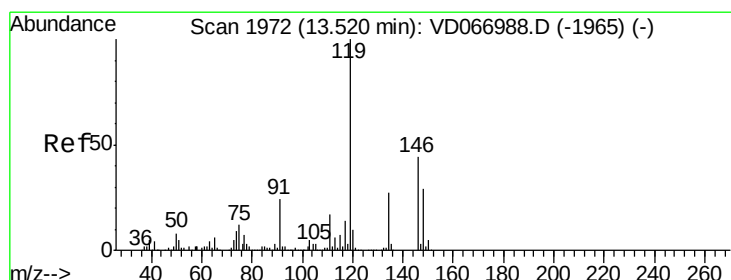
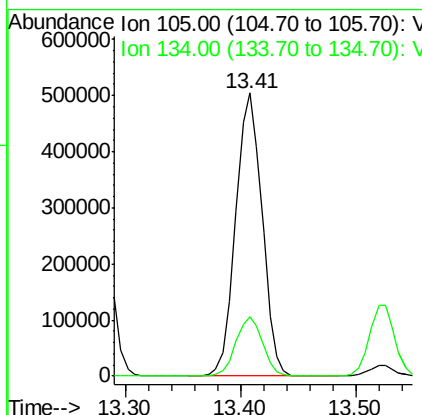
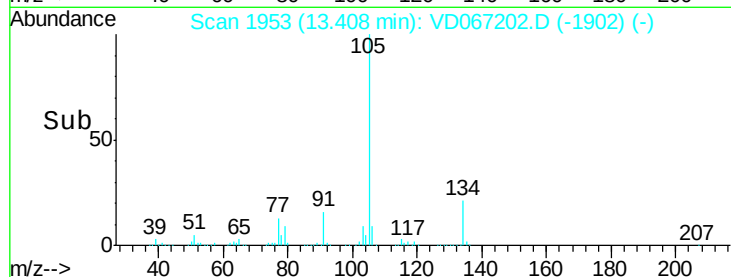
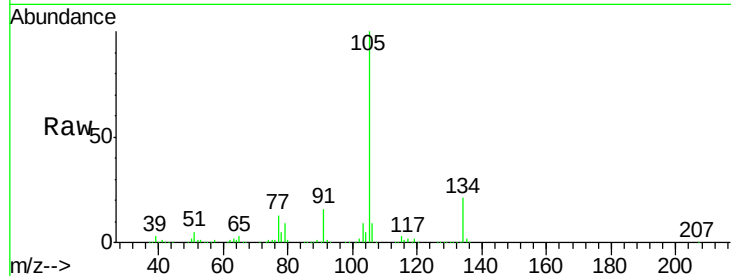
#85
 sec-Butylbenzene
 Concen: 47.354 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.3	30.8

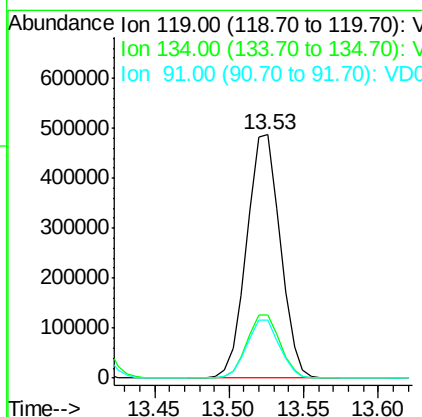
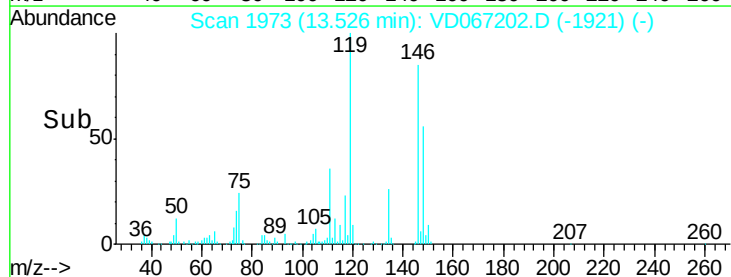
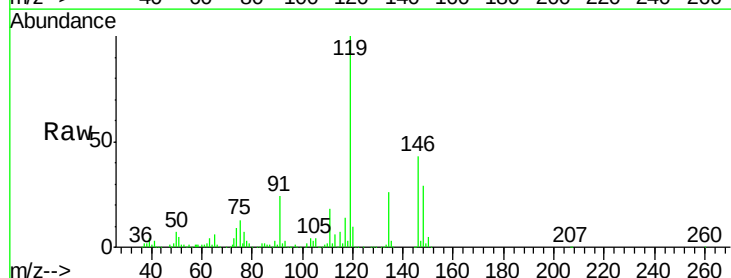
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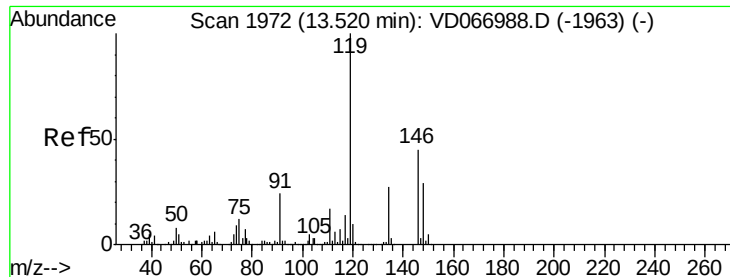
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#86
 p-Isopropyltoluene
 Concen: 48.442 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.1	39.1
91	23.7	11.7	35.1





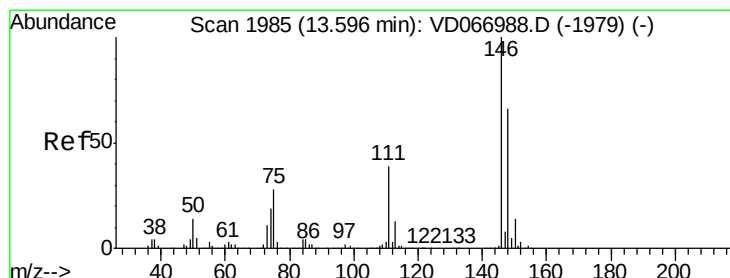
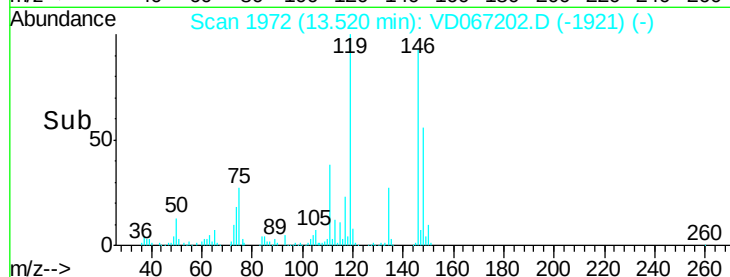
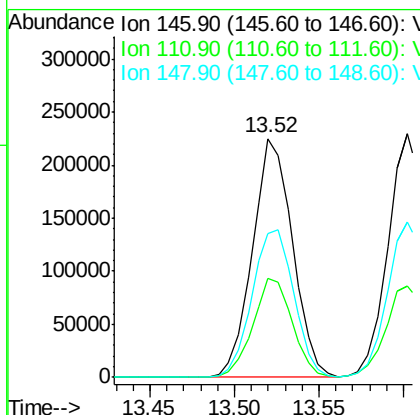
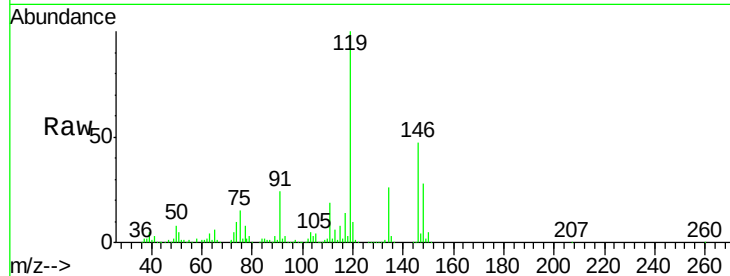
#87
 1,3-Dichlorobenzene
 Concen: 46.761 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	369955		
111	40.8	20.0	60.0	
148	64.5	31.9	95.9	

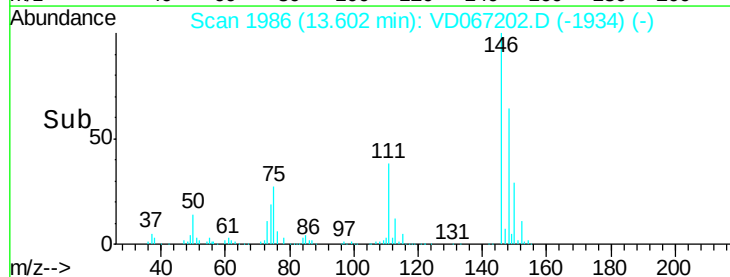
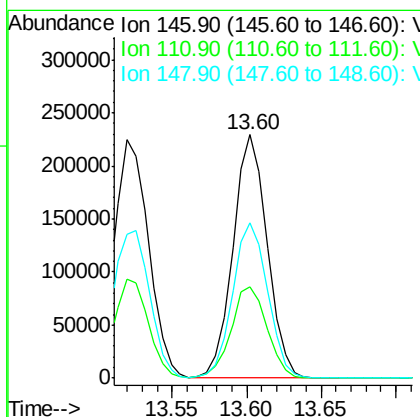
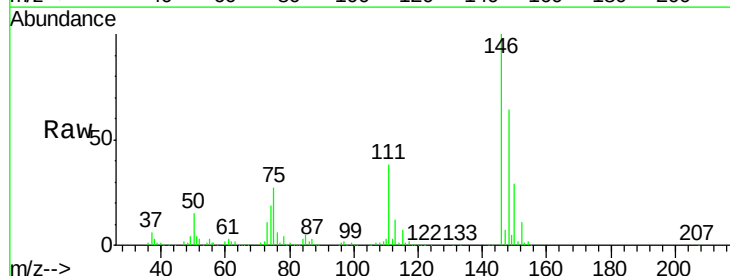
Manual Integrations
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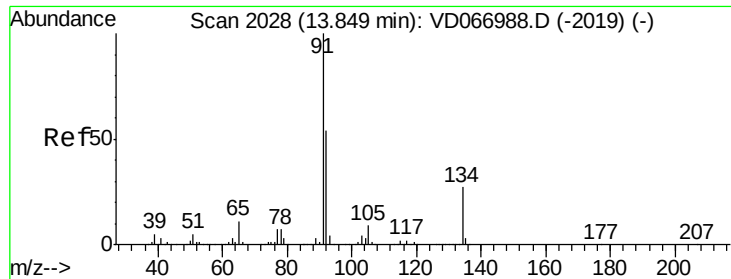
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#88
 1,4-Dichlorobenzene
 Concen: 46.289 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	366180		
111	39.8	19.6	58.7	
148	65.3	32.6	97.7	





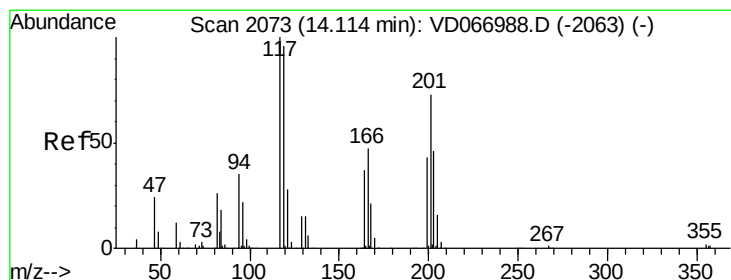
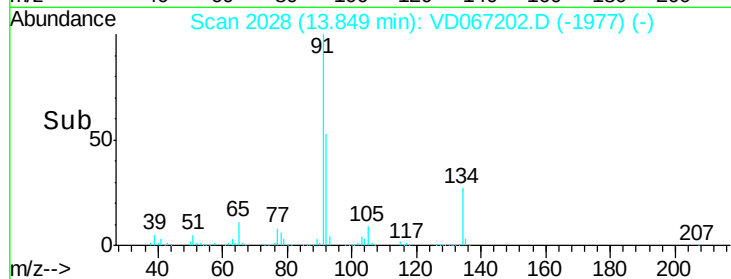
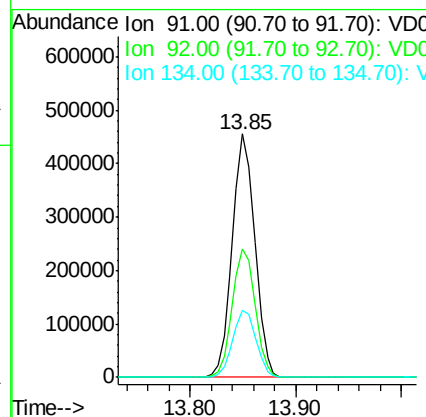
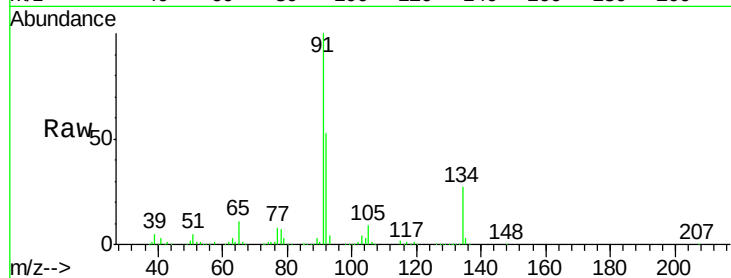
#89
n-Butylbenzene
Concen: 47.147 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.1	81.2
134	28.3	13.6	40.8

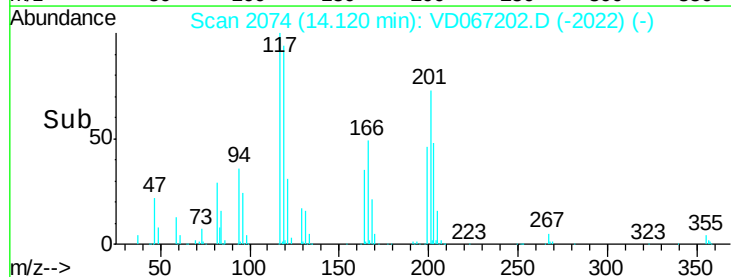
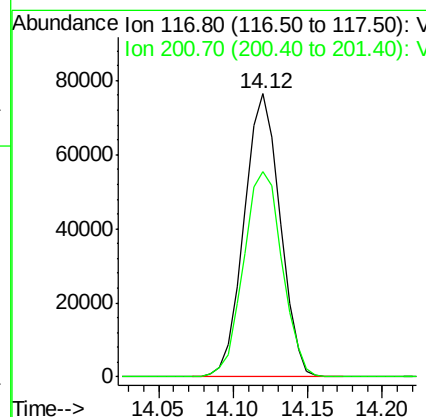
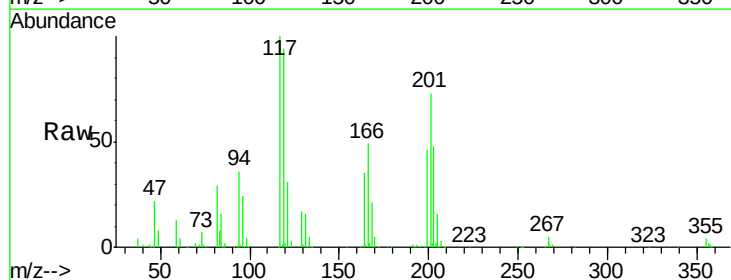
Manual Integrations
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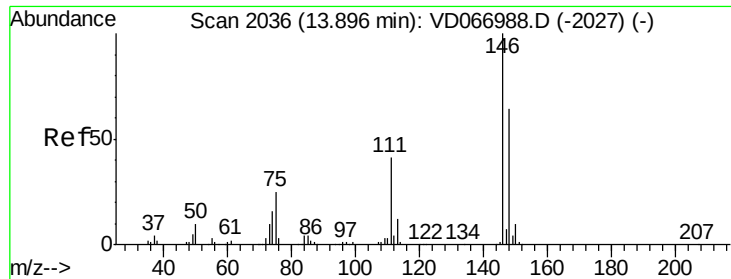
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#90
Hexachloroethane
Concen: 46.633 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067202.D
Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.7	37.0	110.9





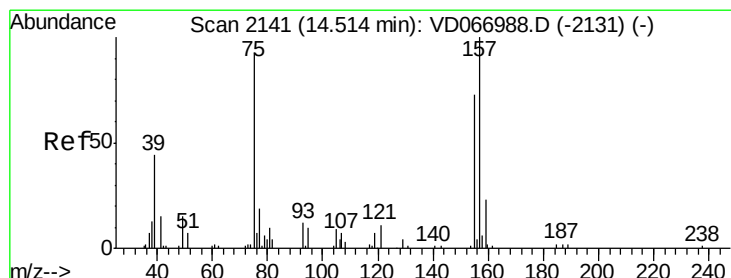
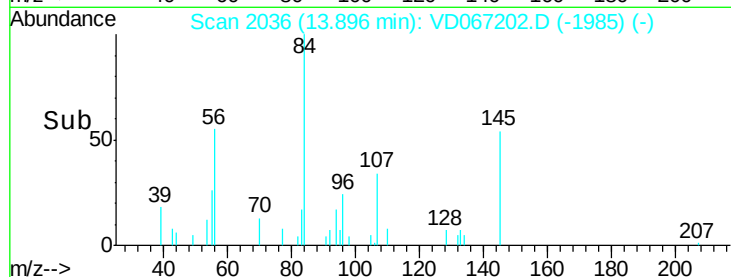
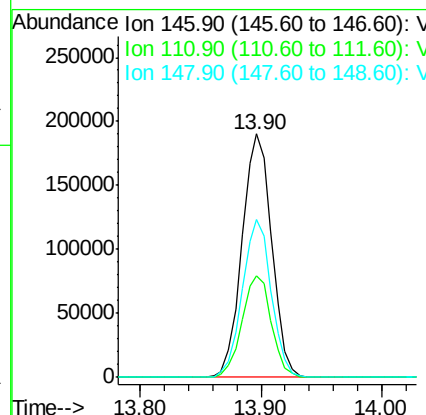
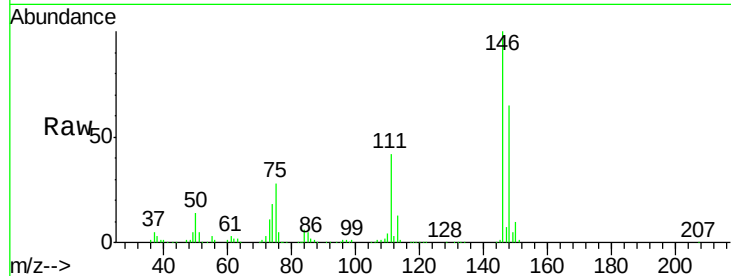
#91
 1,2-Dichlorobenzene
 Concen: 47.098 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.7
148	63.4	32.3	96.9

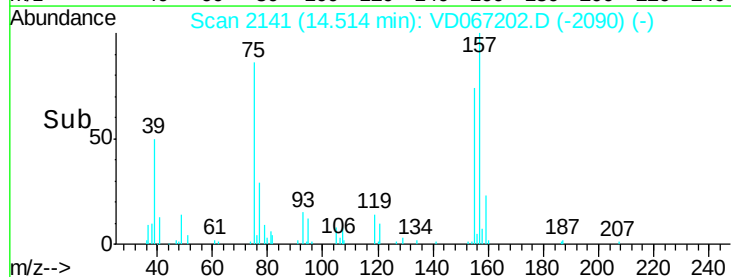
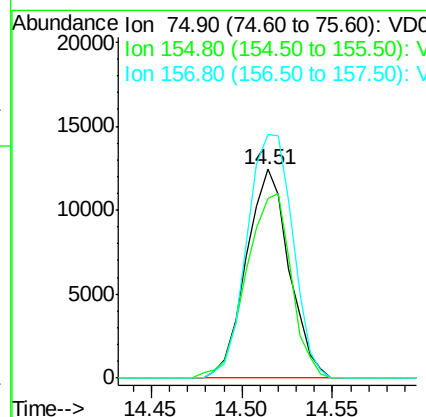
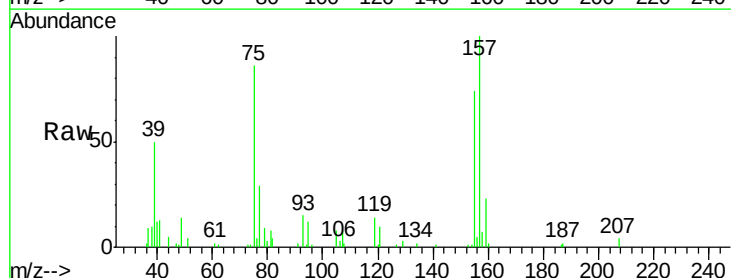
Manual Integrations
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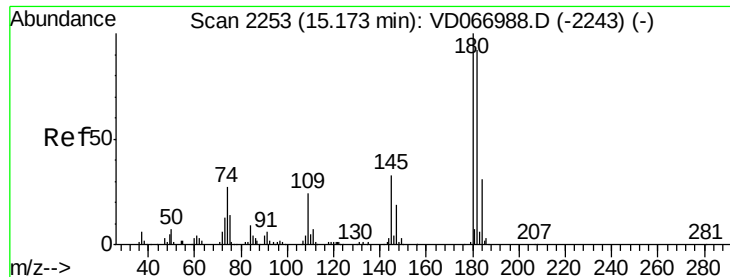
MMDadoda
 10/9/2020 4:22:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.858 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	45.2	135.6
157	123.8	56.3	168.8





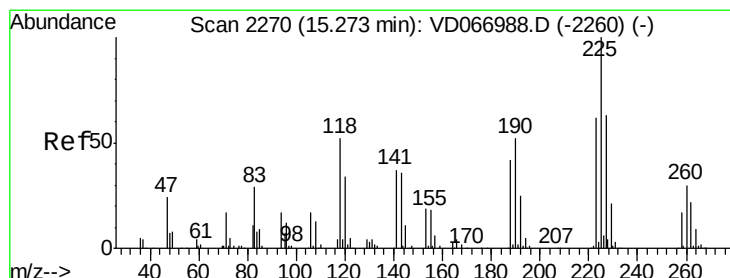
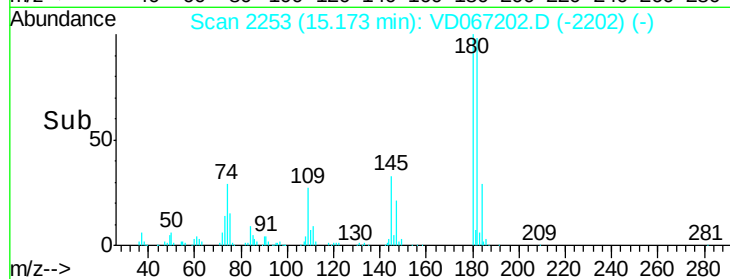
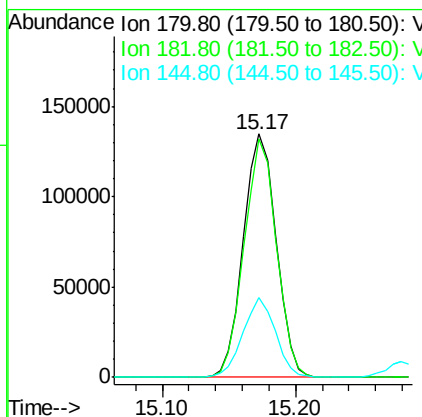
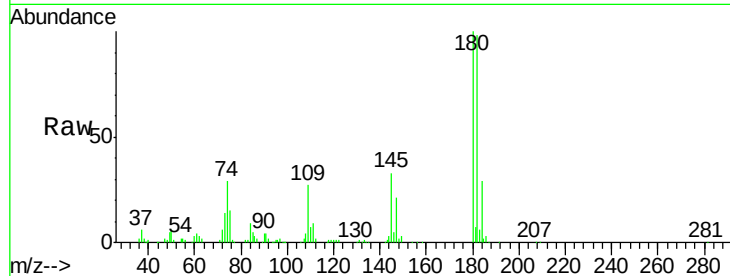
#93
 1,2,4-Trichlorobenzene
 Concen: 51.332 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	229414		
182	96.0	47.3	142.0	
145	32.3	16.4	49.1	

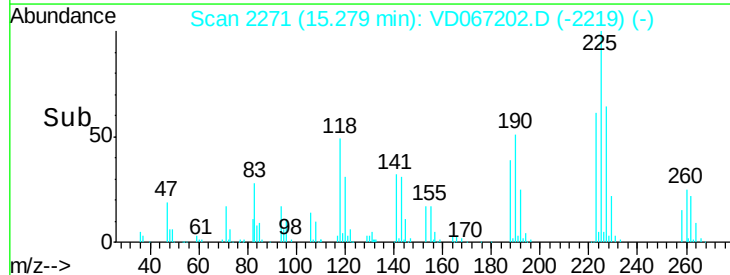
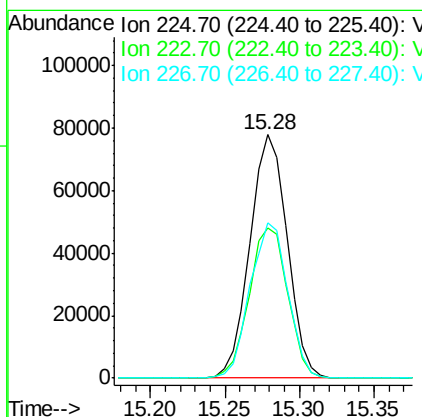
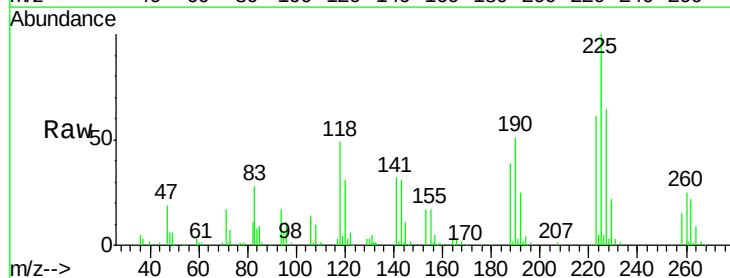
Manual Integrations
 APPROVED

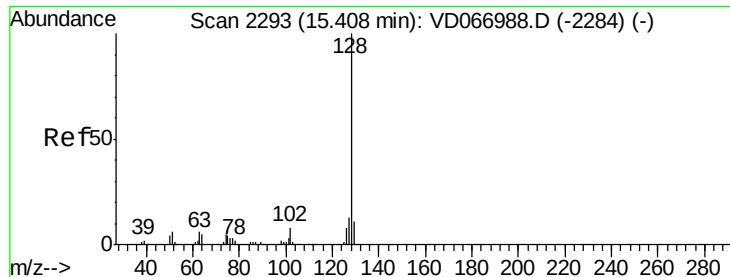
MMDadoda
 10/9/2020 4:22:32 PM



#94
 Hexachlorobutadiene
 Concen: 48.933 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067202.D
 Acq: 08 Oct 2020 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	134308		
223	63.9	32.4	97.0	
227	64.4	31.6	95.0	





#95

Naphthalene

Concen: 51.146 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Instrument :

MSVOA_D

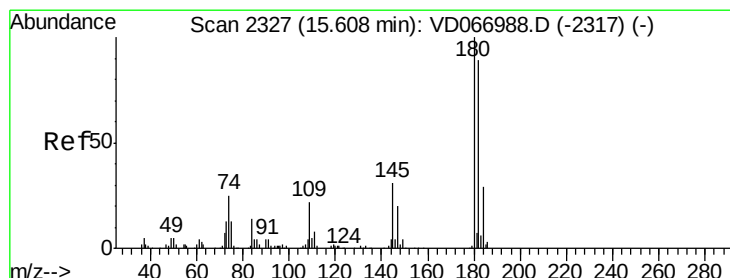
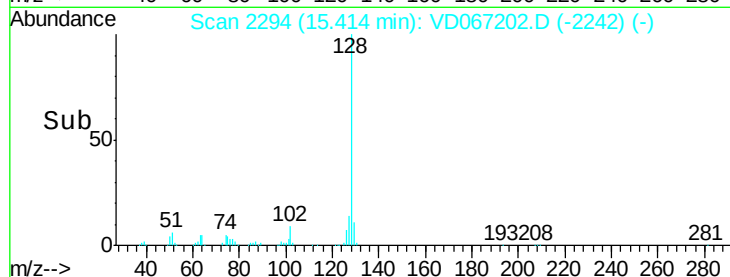
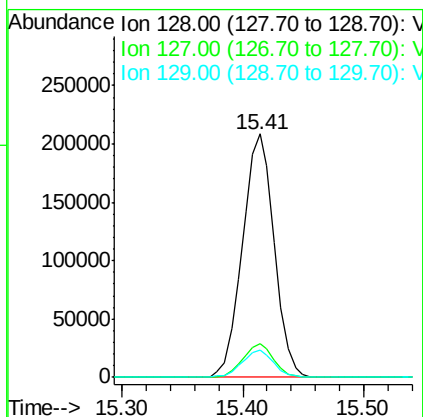
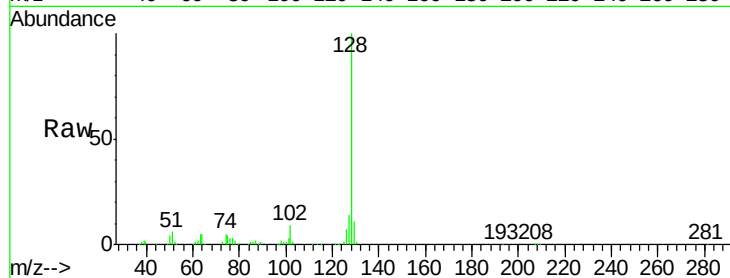
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	381272
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:32 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.529 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD067202.D

Acq: 08 Oct 2020 18:43

Tgt Ion:	180	Resp:	199918
Ion Ratio	Lower	Upper	
180	100		
182	93.9	46.4	139.1
145	33.4	16.6	49.7

