

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066477.D
 Acq On : 31 Aug 2020 12:14
 Operator : VA/SY
 Sample : VD0831SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Manual Integrations
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MMDadoda
 9/1/2020 12:38:52 PM

Quant Time: Sep 01 01:19:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	157343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	214075	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	195104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	107086	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	87578	56.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.54%	
35) Dibromofluoromethane	7.91	113	67764	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	10.34	98	249171	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.63	95	91752	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	27393	20.478	ug/l	94
3) Chloromethane	2.21	50	16598	17.505	ug/l	91
4) Vinyl Chloride	2.35	62	19028	18.691	ug/l	99
5) Bromomethane	2.76	94	16154	21.215	ug/l	96
6) Chloroethane	2.92	64	13419	20.585	ug/l	97
7) Trichlorofluoromethane	3.27	101	61741	22.303	ug/l	93
8) Diethyl Ether	3.70	74	11444	18.451	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	24501	17.934	ug/l	95
10) Methyl Iodide	4.31	142	24620	15.801	ug/l	92
11) Tert butyl alcohol	5.21	59	13391	130.442	ug/l #	80
12) 1,1-Dichloroethene	4.07	96	23254	18.133	ug/l	98
13) Acrolein	3.93	56	3652	53.314	ug/l	97
14) Allyl chloride	4.71	41	27957	16.333	ug/l	85
15) Acrylonitrile	5.43	53	20677	83.087	ug/l #	64
16) Acetone	4.16	43	25854	92.965	ug/l	94
17) Carbon Disulfide	4.41	76	64022	16.473	ug/l #	95
18) Methyl Acetate	4.71	43	8549	16.379	ug/l #	88
19) Methyl tert-butyl Ether	5.48	73	63710	20.632	ug/l	96
20) Methylene Chloride	4.97	84	27161	13.676	ug/l #	95
21) trans-1,2-Dichloroethene	5.47	96	27422	18.370	ug/l	88
22) Diisopropyl ether	6.36	45	54219	16.361	ug/l #	93
23) Vinyl Acetate	6.30	43	170407	83.061	ug/l	100
24) 1,1-Dichloroethane	6.27	63	41156	17.573	ug/l	98
25) 2-Butanone	7.21	43	25977	82.280	ug/l	94
26) 2,2-Dichloropropane	7.21	77	53959	21.497	ug/l	93
27) cis-1,2-Dichloroethene	7.21	96	30896	19.316	ug/l	95
28) Bromochloromethane	7.54	49	12365	15.328	ug/l	93
29) Tetrahydrofuran	7.57	42	13717	76.493	ug/l #	83
30) Chloroform	7.71	83	53927	19.902	ug/l	98
31) Cyclohexane	7.98	56	34767	16.232	ug/l #	86
32) 1,1,1-Trichloroethane	7.90	97	58748	21.184	ug/l	100
36) 1,1-Dichloropropene	8.11	75	38286	19.601	ug/l	99
37) Ethyl Acetate	7.30	43	10490	15.790	ug/l #	84
38) Carbon Tetrachloride	8.09	117	57449	22.575	ug/l	99

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Quant Time: Sep 01 01:19:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	42340	18.401	ug/l	96
40) Benzene	8.34	78	98438	19.157	ug/l	98
41) Methacrylonitrile	7.54	41	10065m	24.567	ug/l	
42) 1,2-Dichloroethane	8.42	62	42105	23.265	ug/l	97
43) Isopropyl Acetate	8.44	43	24924	18.692	ug/l	98
44) Trichloroethene	9.10	130	32715	19.593	ug/l	81
45) 1,2-Dichloropropane	9.38	63	19108	16.403	ug/l	98
46) Dibromomethane	9.47	93	13758	18.968	ug/l	96
47) Bromodichloromethane	9.66	83	43330	21.723	ug/l	90
48) Methyl methacrylate	9.45	41	11772	17.120	ug/l	92
49) 1,4-Dioxane	9.46	88	2956	350.986	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	56802	88.056	ug/l	99
52) Toluene	10.40	92	68908	19.794	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	40379	21.334	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	40863	19.235	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	18300	18.637	ug/l #	84
56) Ethyl methacrylate	10.66	69	20647	18.164	ug/l #	87
57) 1,3-Dichloropropane	10.94	76	31282	19.260	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	44653	94.586	ug/l	93
59) 2-Hexanone	10.98	43	40280	88.526	ug/l	95
60) Dibromochloromethane	11.14	129	30403	20.542	ug/l	99
61) 1,2-Dibromoethane	11.25	107	18579	19.227	ug/l	94
64) Tetrachloroethene	10.87	164	31008	20.951	ug/l	99
65) Chlorobenzene	11.67	112	78559	20.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	33458	21.092	ug/l	95
67) Ethyl Benzene	11.74	91	137046	20.058	ug/l	94
68) m/p-Xylenes	11.85	106	108899	41.815	ug/l	97
69) o-Xylene	12.18	106	50179	20.712	ug/l	98
70) Styrene	12.20	104	85447	20.540	ug/l	97
71) Bromoform	12.36	173	17962	19.958	ug/l #	98
73) Isopropylbenzene	12.48	105	142034	19.799	ug/l	100
74) N-amyl acetate	12.29	43	22183	17.121	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	17653	17.226	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	16375m	21.736	ug/l	
77) Bromobenzene	12.76	156	36350	19.964	ug/l	94
78) n-propylbenzene	12.82	91	156865	19.071	ug/l	98
79) 2-Chlorotoluene	12.91	91	87095	18.540	ug/l	96
80) 1,3,5-Trimethylbenzene	12.96	105	126953	20.497	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	6541	18.430	ug/l	88
82) 4-Chlorotoluene	13.01	91	96029	19.294	ug/l	97
83) tert-Butylbenzene	13.23	119	107418	19.967	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	122602	20.153	ug/l	100
85) sec-Butylbenzene	13.40	105	136631	19.384	ug/l	99
86) p-Isopropyltoluene	13.52	119	138201	20.334	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	69926	20.574	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	66972	19.625	ug/l	97
89) n-Butylbenzene	13.84	91	117005	19.508	ug/l	99
90) Hexachloroethane	14.11	117	24985	18.609	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	59704	20.406	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4308	20.044	ug/l	94

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ClientSampleId :
VD0831SBSD01

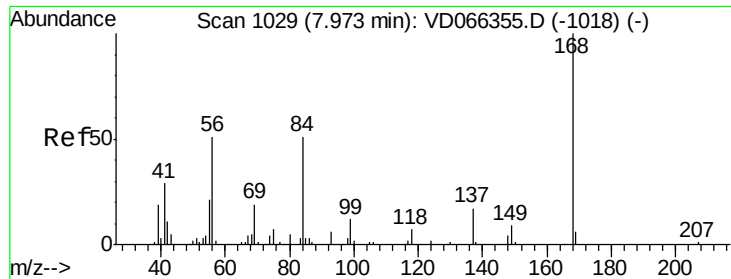
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	47549	20.817	ug/l	95
94) Hexachlorobutadiene	15.27	225	30756	21.667	ug/l	92
95) Naphthalene	15.41	128	70341	19.607	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	39099	19.982	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion:168 Resp: 157343

Ion Ratio Lower Upper

168 100

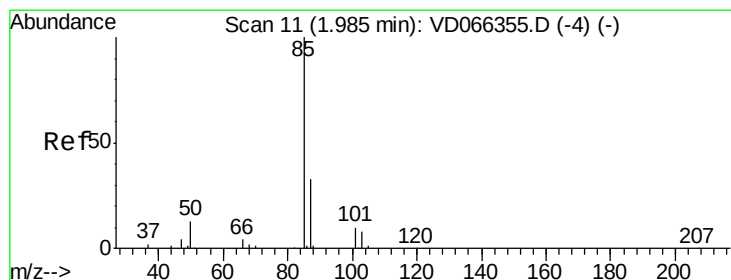
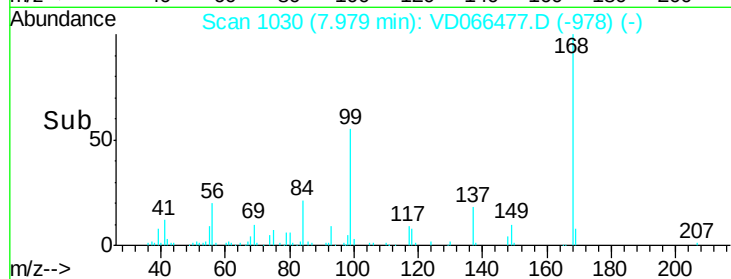
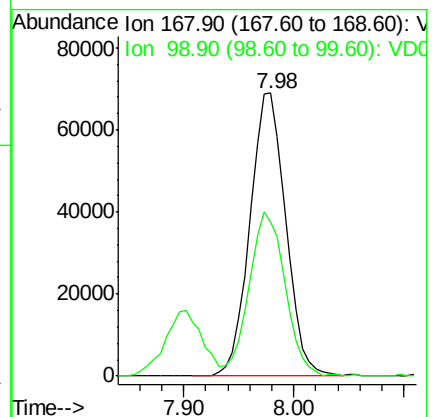
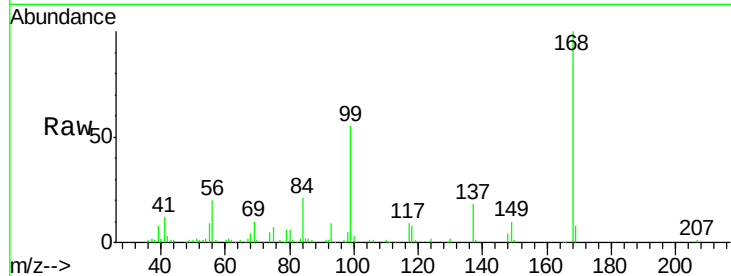
99 54.3 45.4 68.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.478 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066477.D

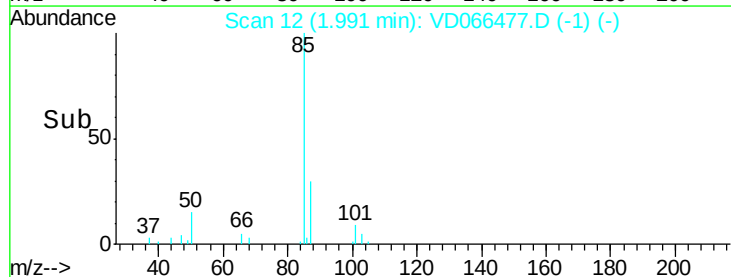
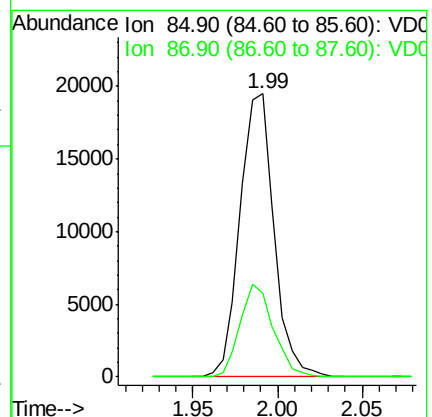
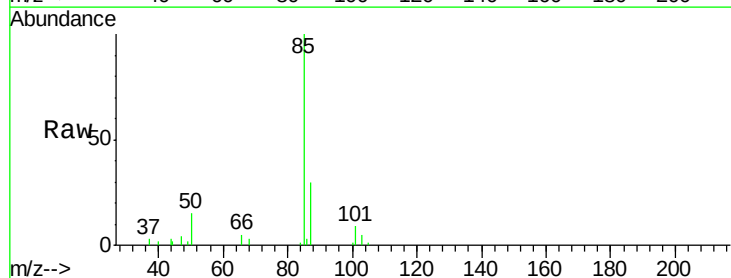
Acq: 31 Aug 2020 12:14

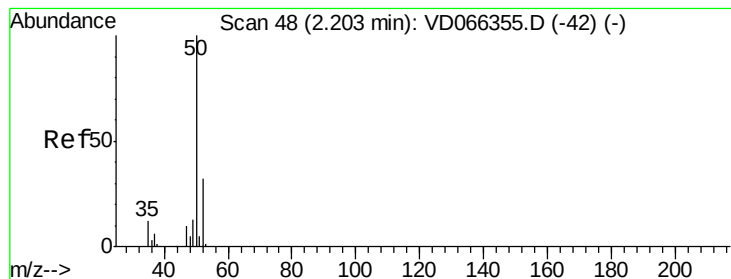
Tgt Ion: 85 Resp: 27393

Ion Ratio Lower Upper

85 100

87 29.6 16.4 49.4





#3

Chloromethane

Concen: 17.505 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Tot Ion: 50 Resp: 16598

Ion Ratio Lower Upper

50 100

52 37.4 25.7 38.5

Instrument :

MSVOA_D

ClientSampleId :

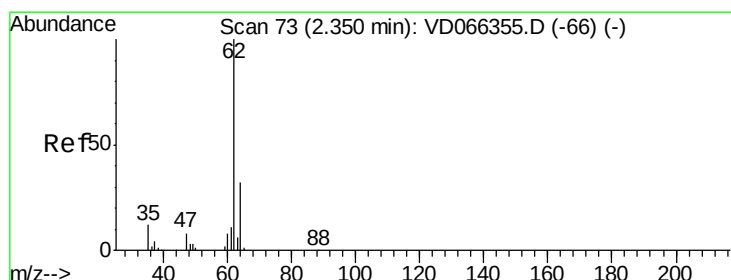
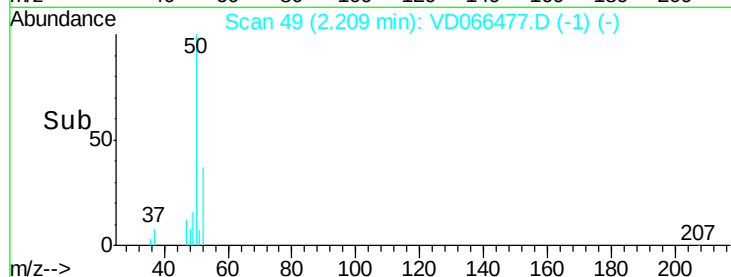
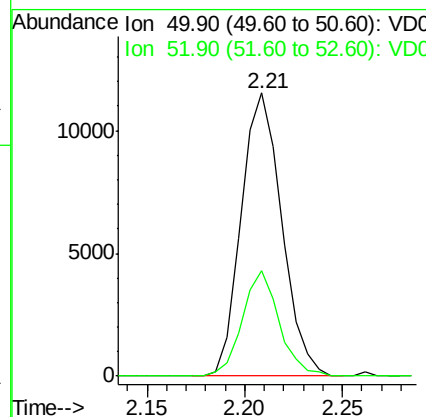
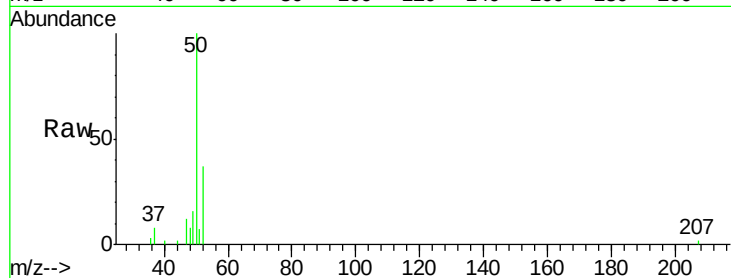
VD0831SBS01

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#4

Vinyl Chloride

Concen: 18.691 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066477.D

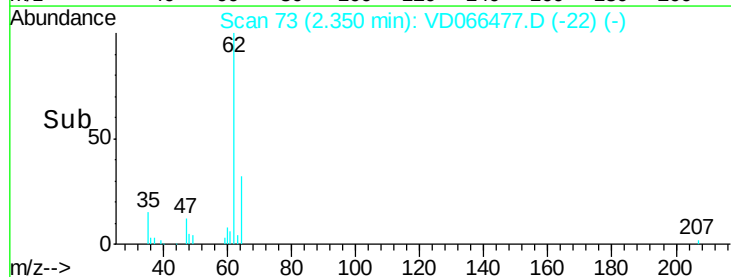
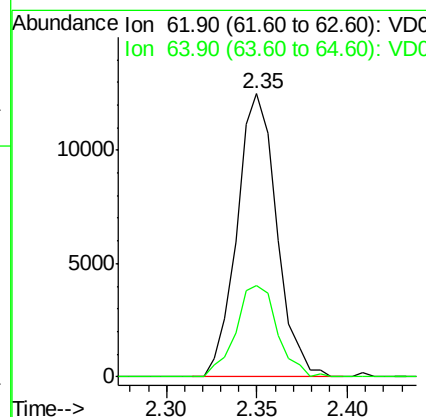
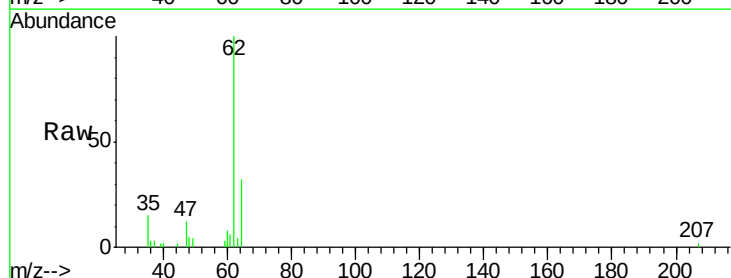
Acq: 31 Aug 2020 12:14

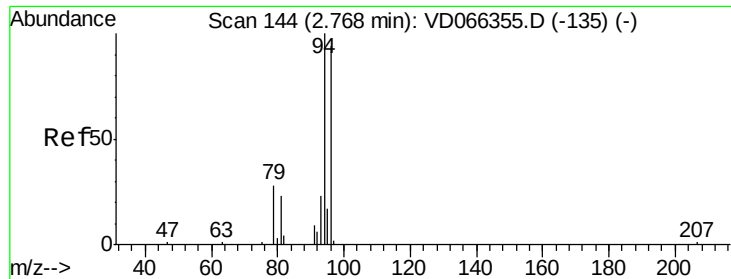
Tgt Ion: 62 Resp: 19028

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 21.215 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 94 Resp: 16154

Ion Ratio Lower Upper

94 100

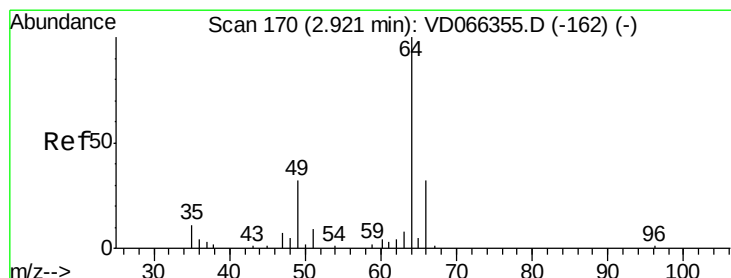
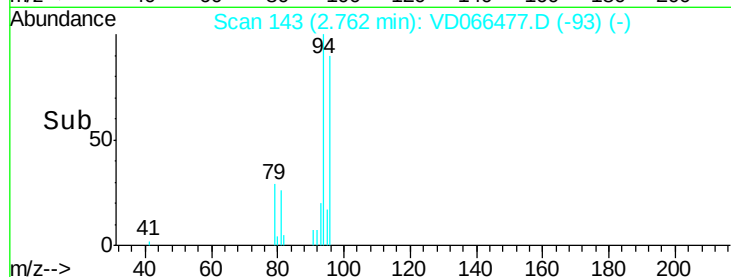
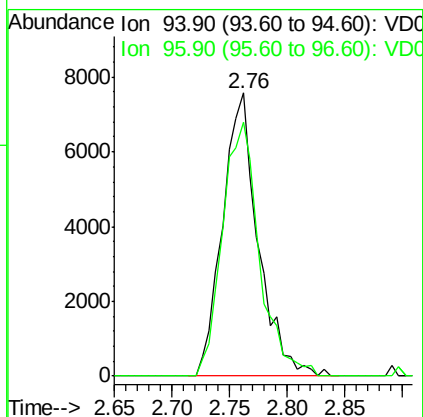
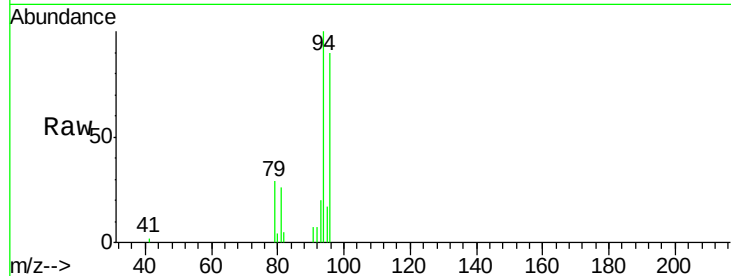
96 89.6 75.0 112.4

Manual Integrations

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9/1/2020 12:38:52 PM



#6

Chloroethane

Concen: 20.585 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066477.D

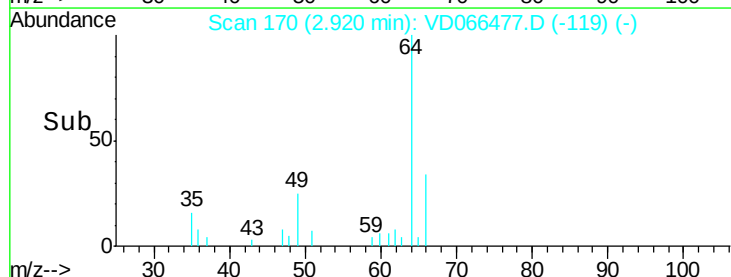
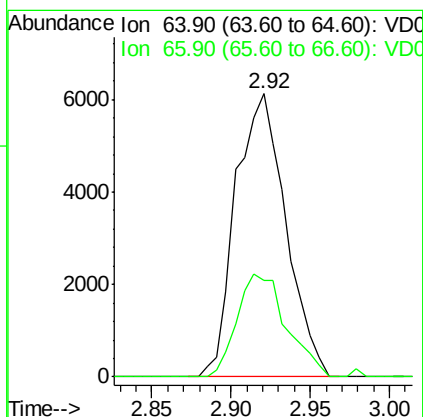
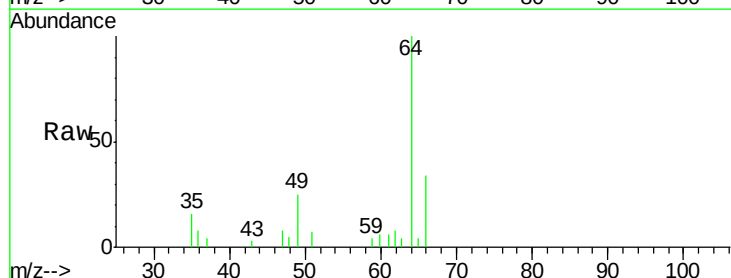
Acq: 31 Aug 2020 12:14

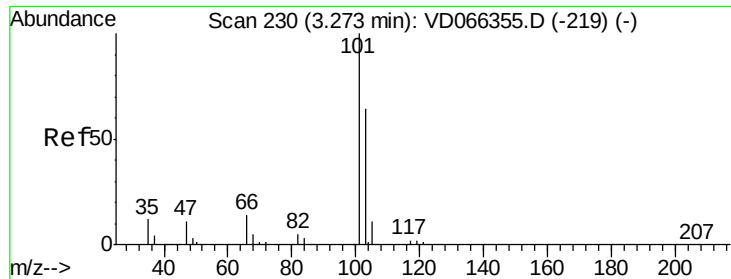
Tgt Ion: 64 Resp: 13419

Ion Ratio Lower Upper

64 100

66 34.0 25.9 38.9





#7

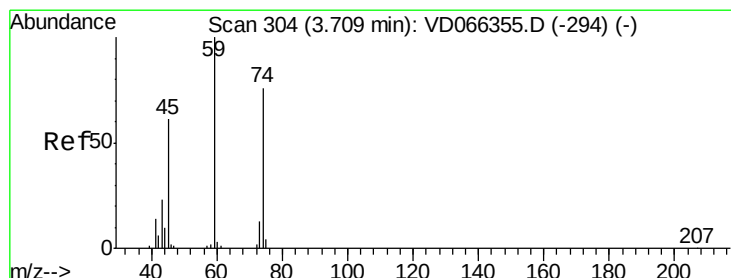
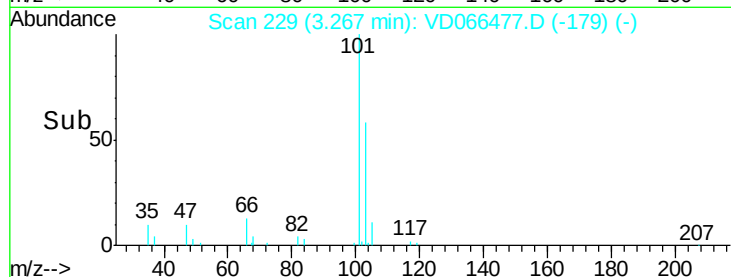
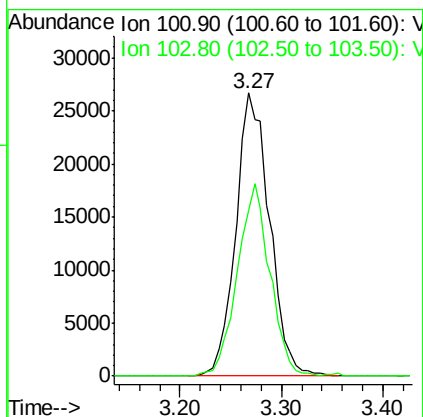
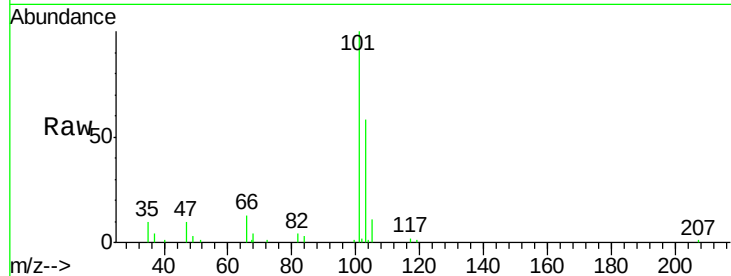
Trichlorofluoromethane
 Concen: 22.303 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

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 VD0831SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		61741		
103	58.4	51.4	77.0		

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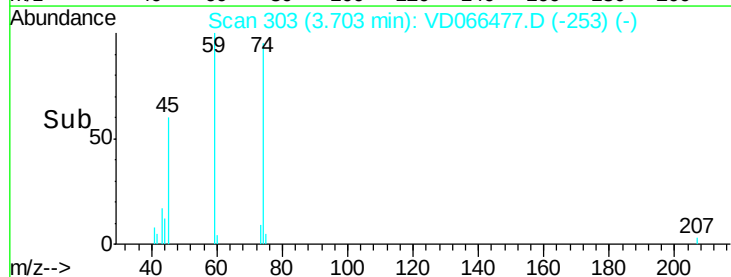
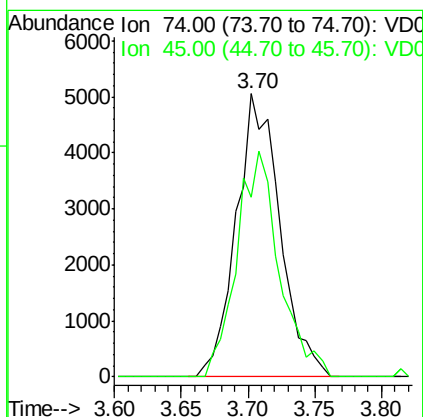
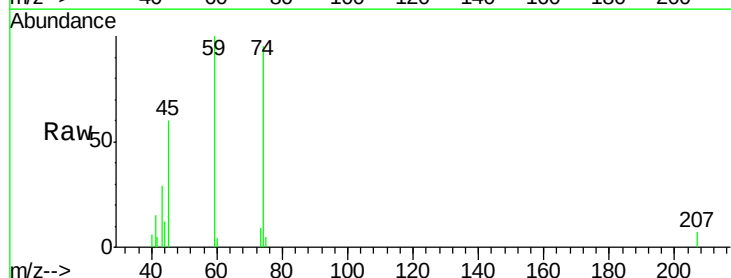
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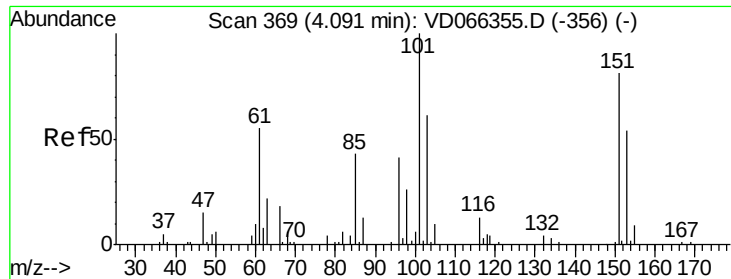


#8

Diethyl Ether
 Concen: 18.451 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		11444		
45	77.5	42.8	128.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.934 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

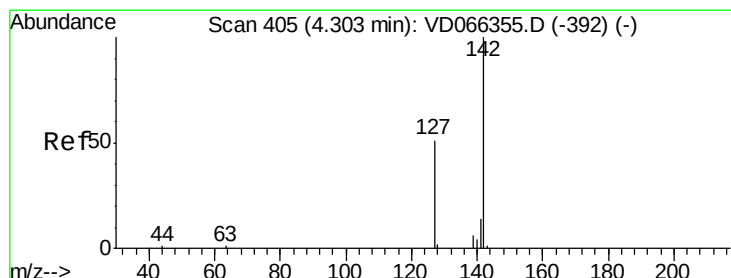
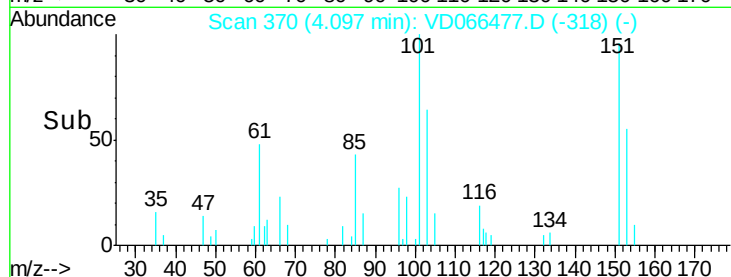
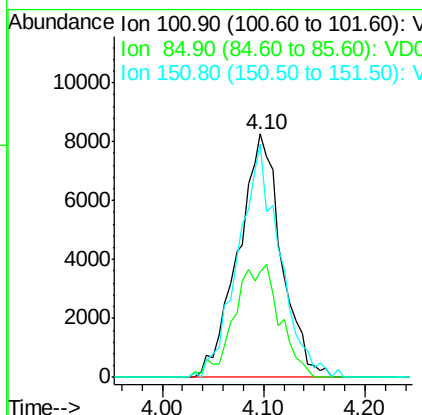
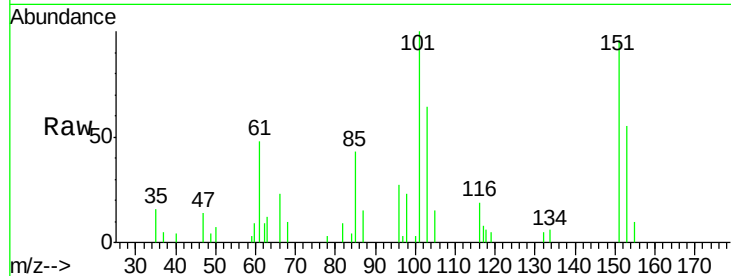
ClientSampleId :

VD0831SBS01

Tot Ion:	101	Resp:	24501
Ion Ratio	Lower	Upper	
101	100		
85	48.7	36.4	54.6
151	92.5	70.5	105.7

Manual Integrations
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9/1/2020 12:38:52 PM



#10

Methyl Iodide

Concen: 15.801 ug/l

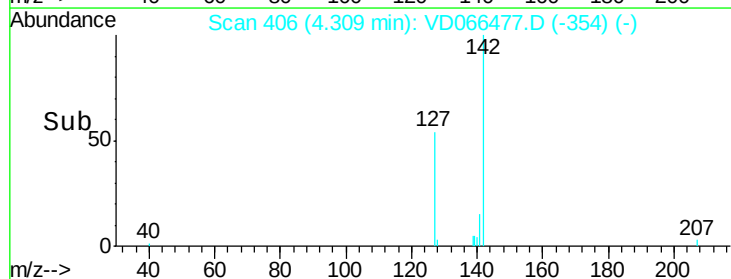
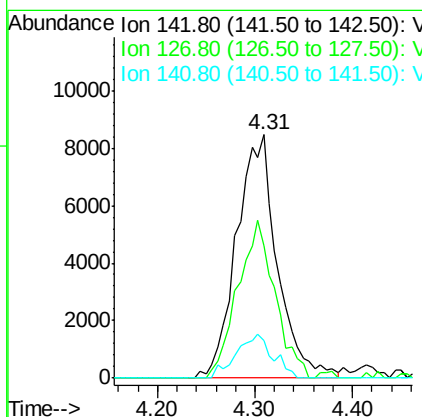
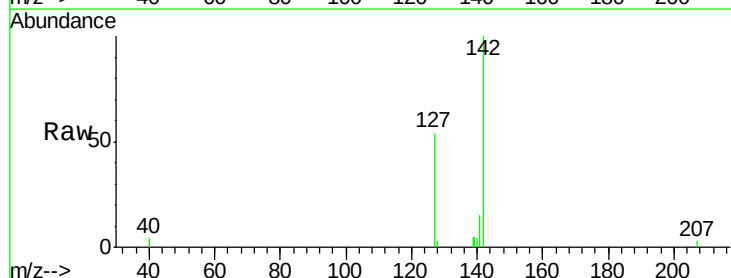
RT: 4.31 min Scan# 406

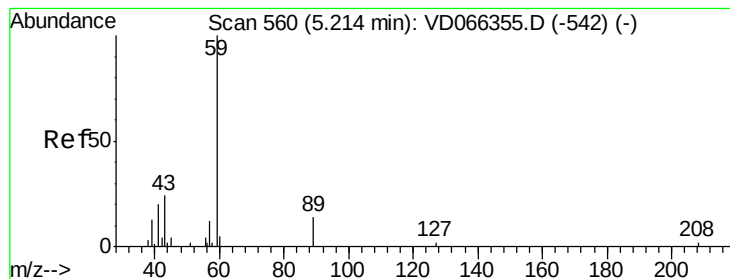
Delta R.T. 0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Tgt Ion:	142	Resp:	24620
Ion Ratio	Lower	Upper	
142	100		
127	59.3	41.8	62.8
141	16.0	11.8	17.6





#11

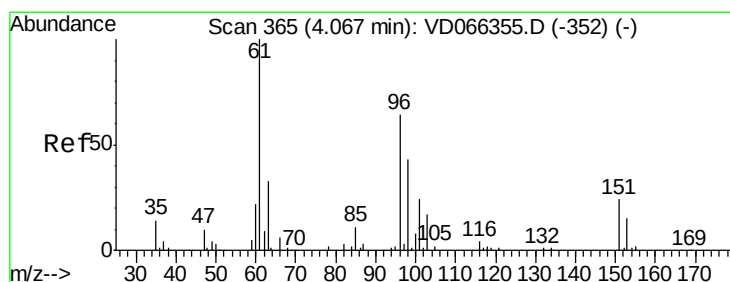
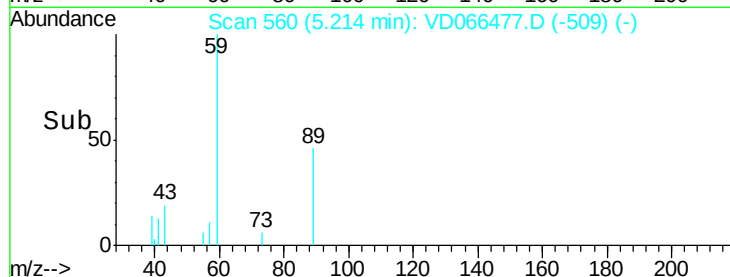
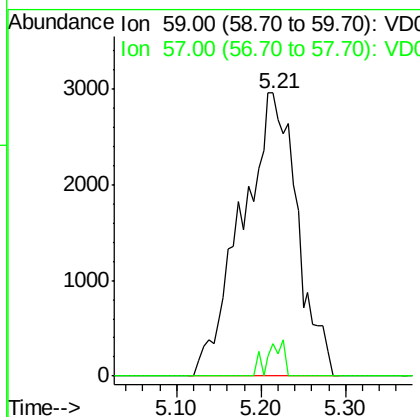
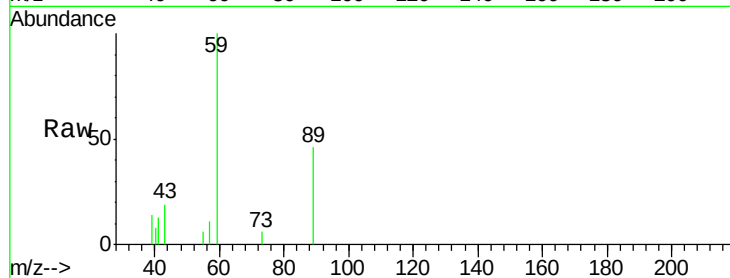
Tert butyl alcohol
Concen: 130.442 ug/l
RT: 5.21 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.8	9.0	13.4#

Manual Integrations
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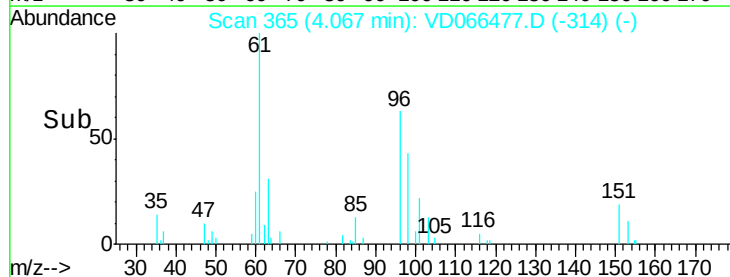
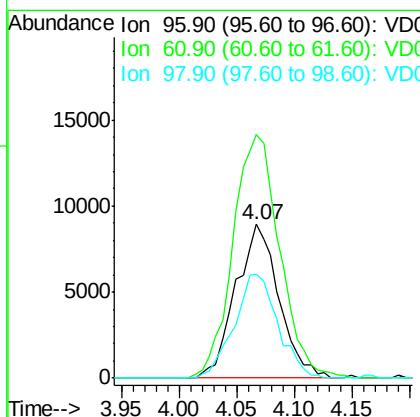
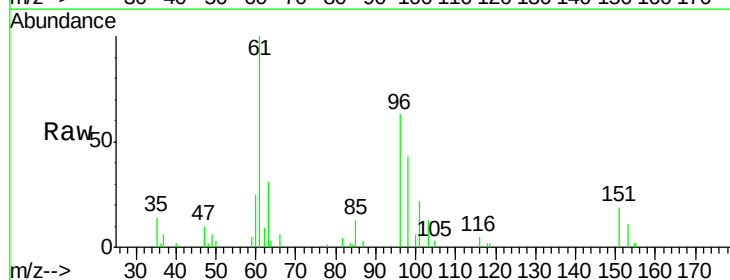
MMDadoda
9/1/2020 12:38:52 PM

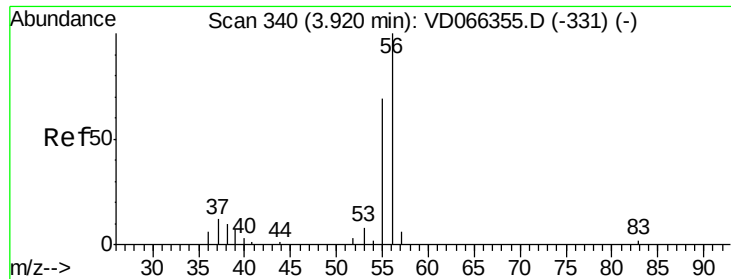


#12

1,1-Dichloroethene
Concen: 18.133 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.6	124.3	186.5
98	68.1	53.2	79.8





#13

Acrolein

Concen: 53.314 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 56 Resp: 3652

Ion Ratio Lower Upper

56 100

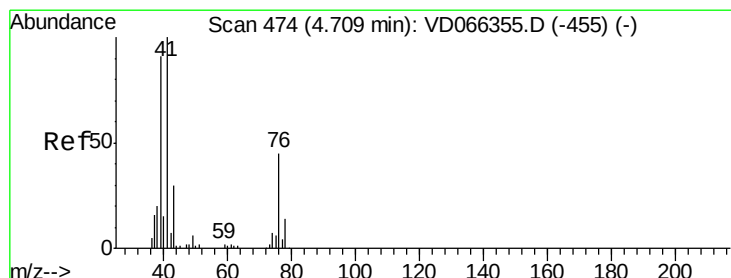
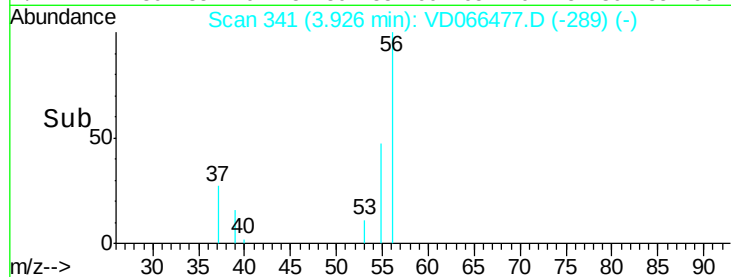
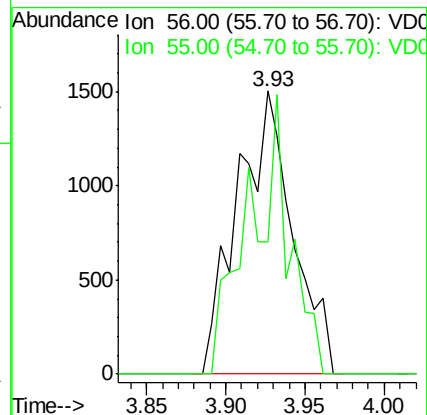
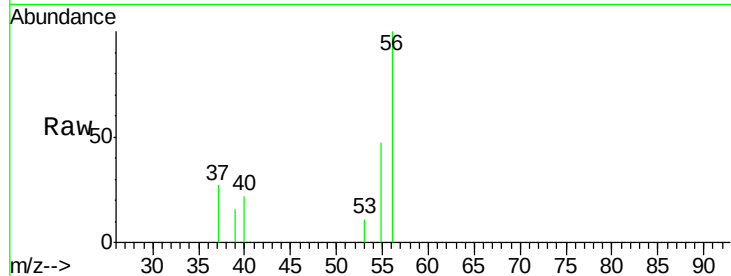
55 72.1 55.5 83.3

Manual Integrations

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#14

Allyl chloride

Concen: 16.333 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

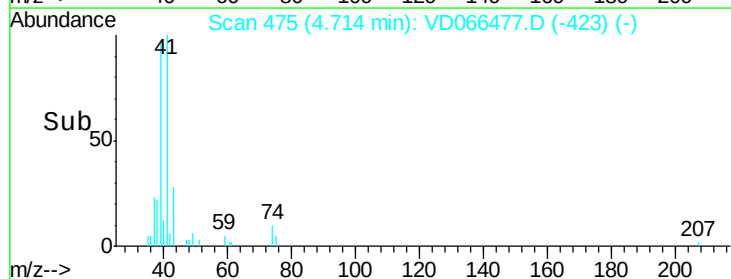
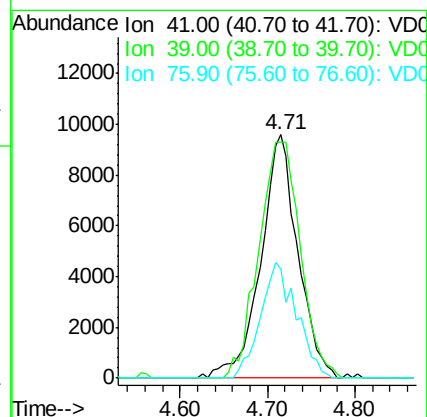
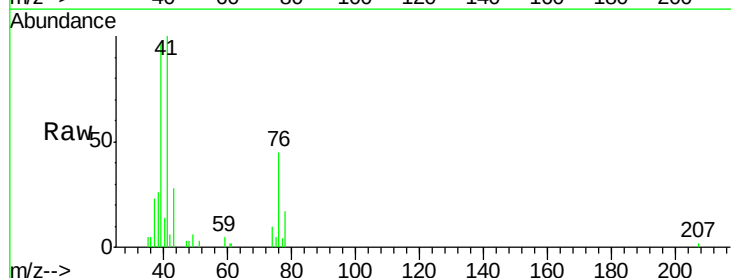
Tgt Ion: 41 Resp: 27957

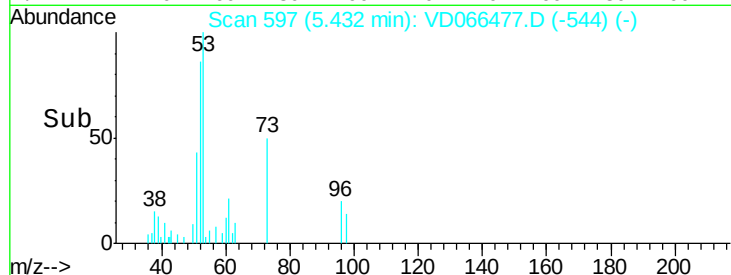
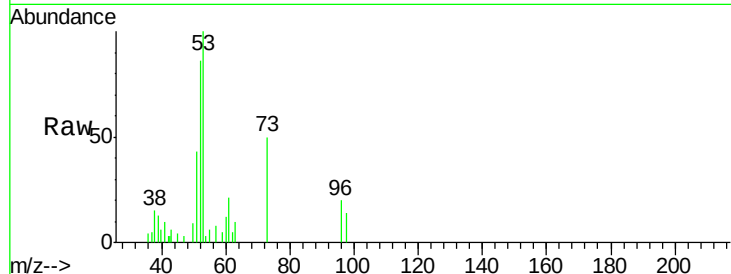
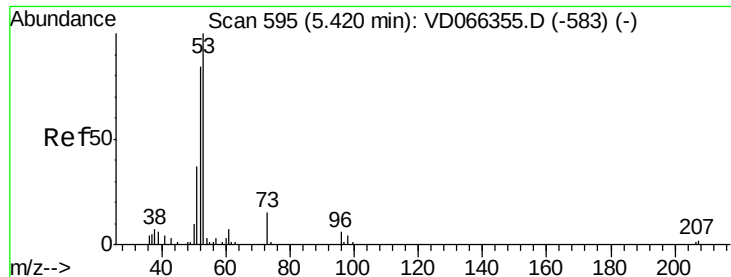
Ion Ratio Lower Upper

41 100

39 109.0 72.8 109.2

76 46.0 34.0 51.0





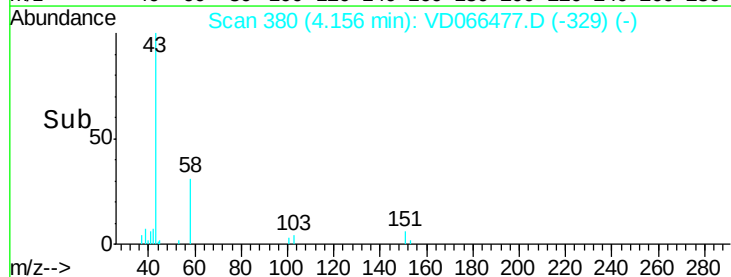
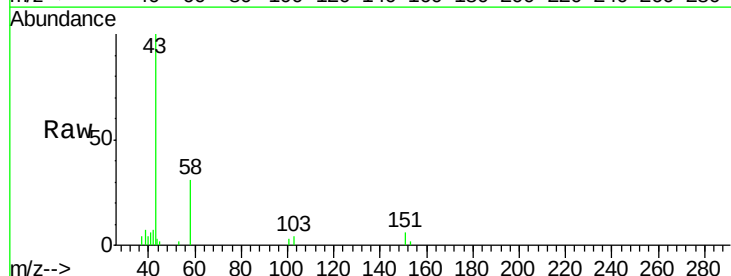
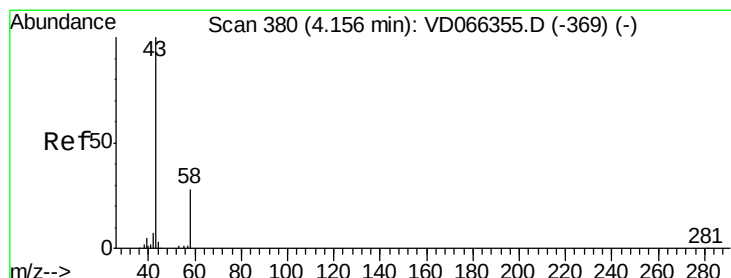
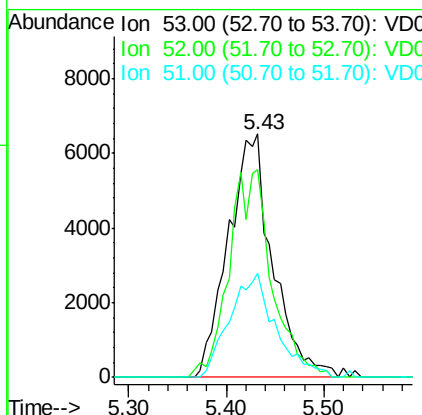
#15
Acrylonitrile
Concen: 83.087 ug/l
RT: 5.43 min Scan# 597
Delta R.T. 0.01 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tot Ion	Ratio	Lower	Upper
53	100		
52	37.7	68.1	102.1#
51	44.1	33.8	50.6

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

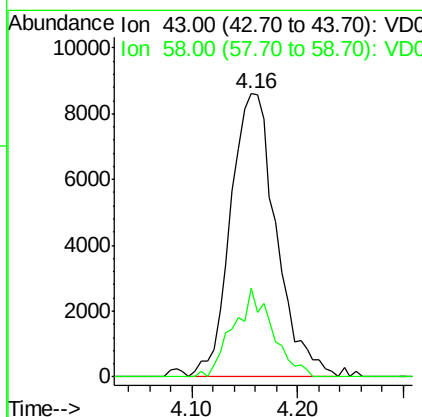
Manual Integrations
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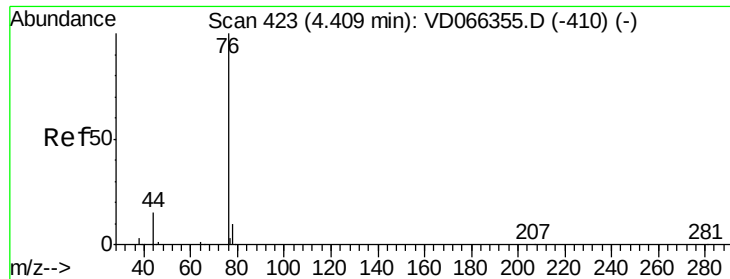
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#16
Acetone
Concen: 92.965 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	22.7	34.1





#17

Carbon Disulfide

Concen: 16.473 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 76 Resp: 64022

Ion Ratio Lower Upper

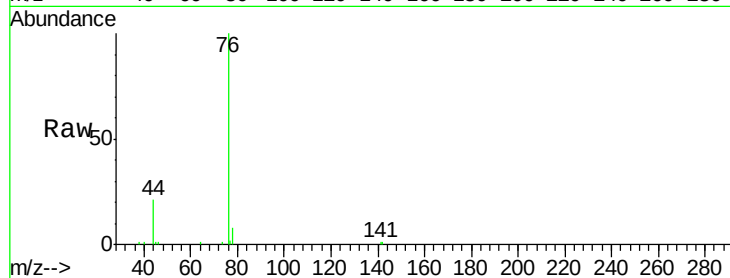
76 100

78 7.6 7.7 11.5#

Manual Integrations
APPROVED

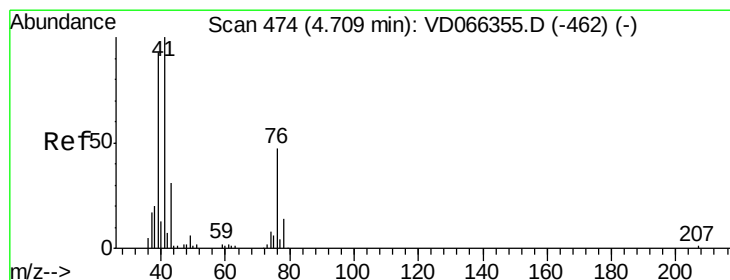
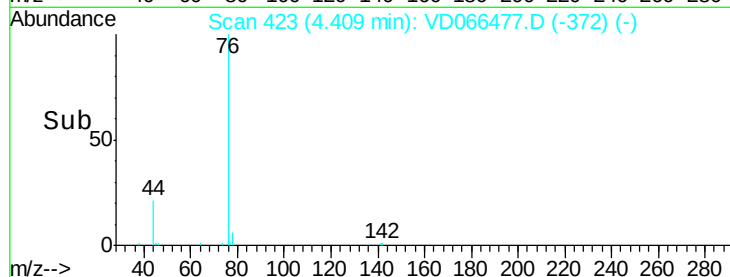
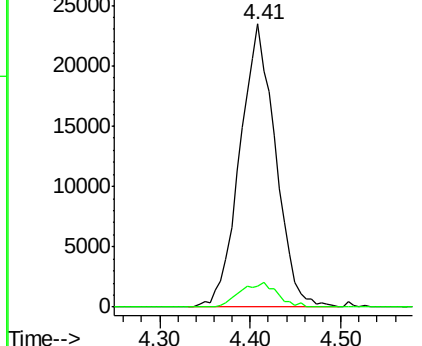
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 16.379 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066477.D

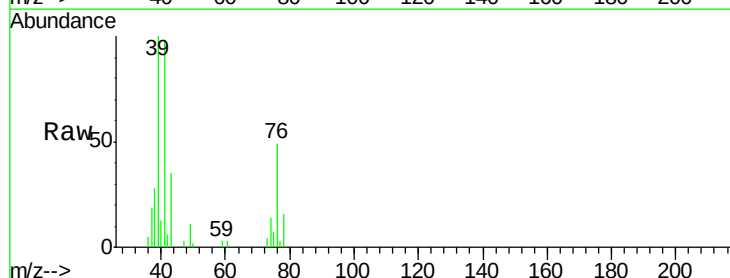
Acq: 31 Aug 2020 12:14

Tgt Ion: 43 Resp: 8549

Ion Ratio Lower Upper

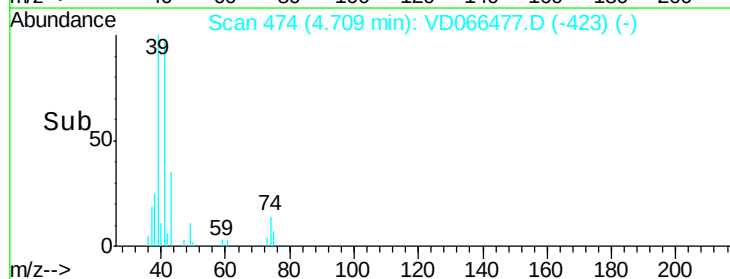
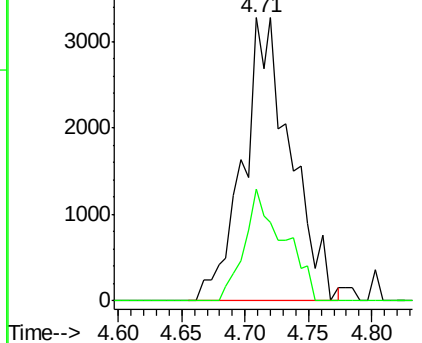
43 100

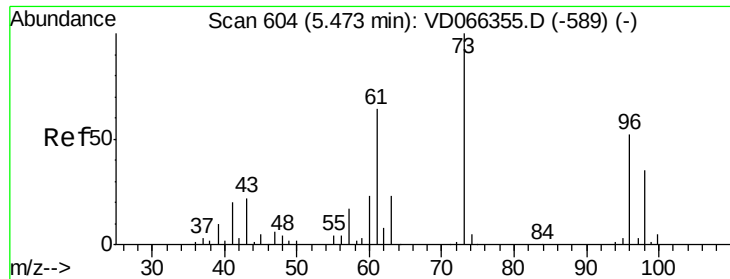
74 32.4 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





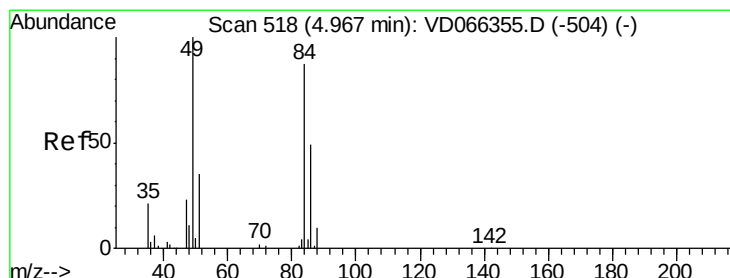
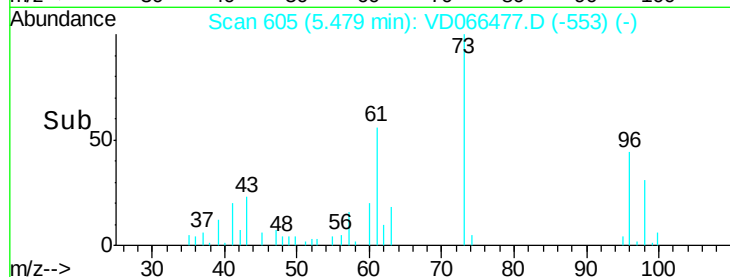
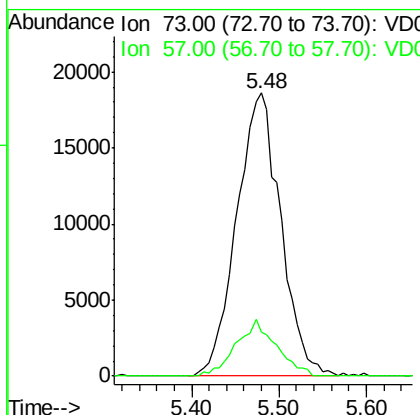
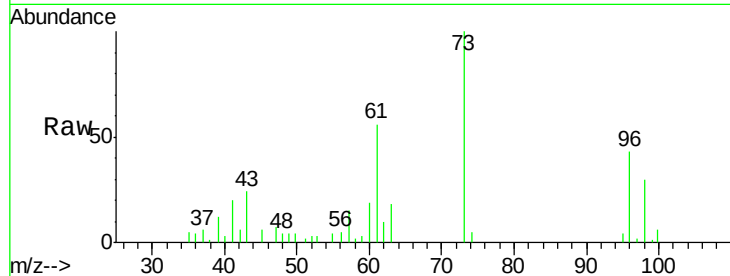
#19
Methyl tert-butyl Ether
Concen: 20.632 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion: 73 Resp: 63710
Ion Ratio Lower Upper
73 100
57 15.4 13.8 20.6

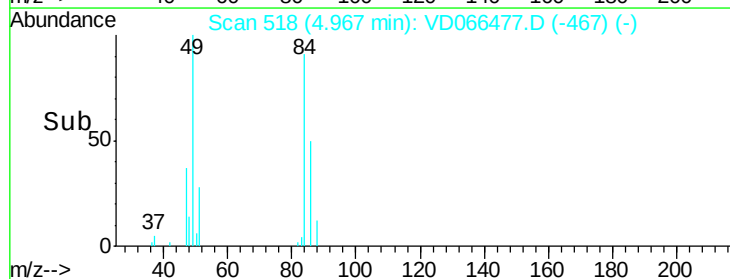
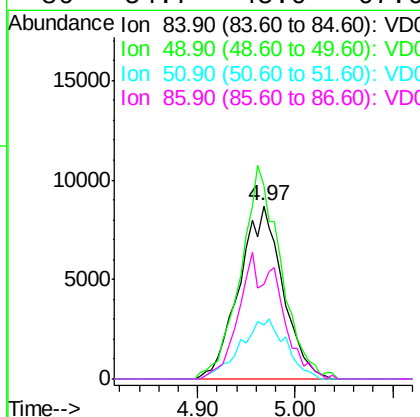
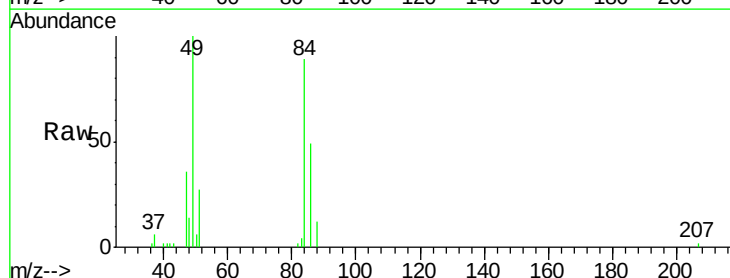
Manual Integrations
APPROVED

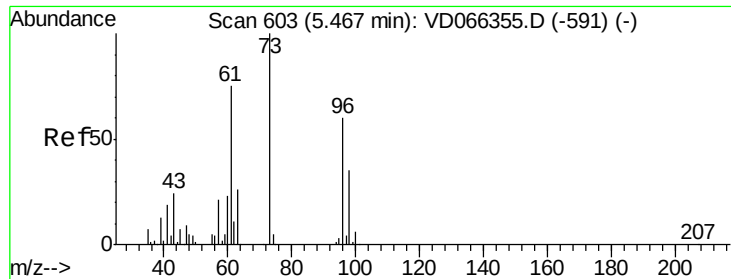
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#20
Methylene Chloride
Concen: 13.676 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tgt Ion: 84 Resp: 27161
Ion Ratio Lower Upper
84 100
49 112.0 92.5 138.7
51 30.7 32.5 48.7#
86 54.7 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 18.370 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

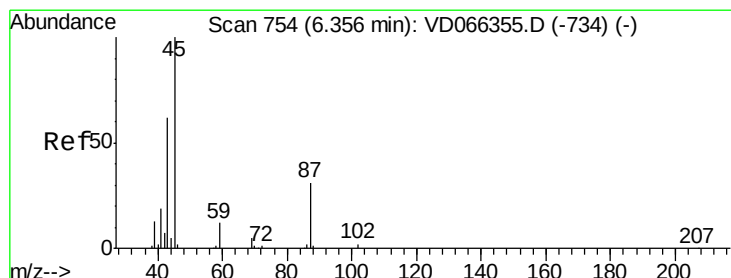
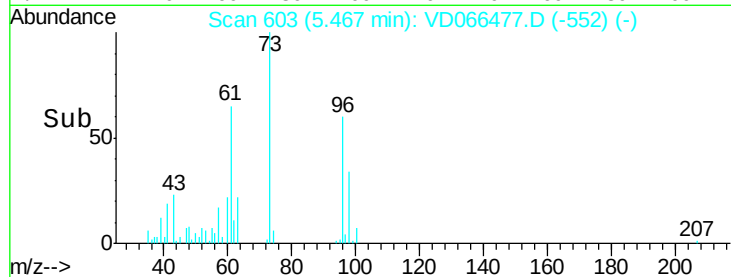
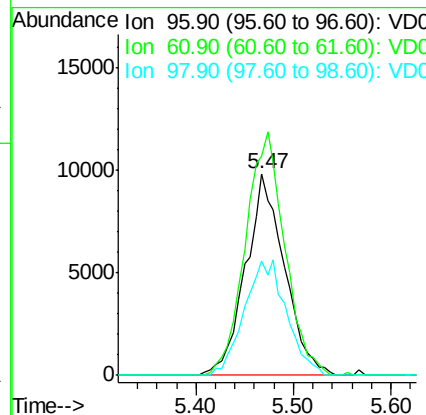
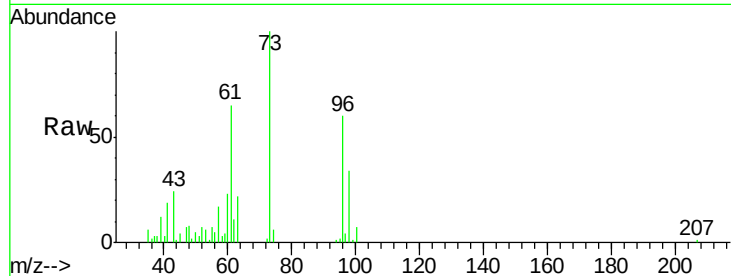
ClientSampleId :

VD0831SBS01

Tot Ion:	96	Resp:	27422
Ion	Ratio	Lower	Upper
96	100		
61	108.7	101.1	151.7
98	56.5	47.0	70.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 16.361 ug/l

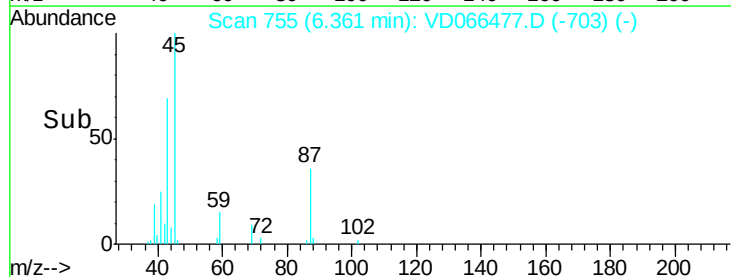
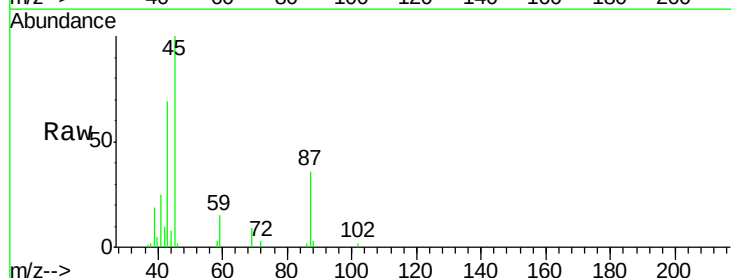
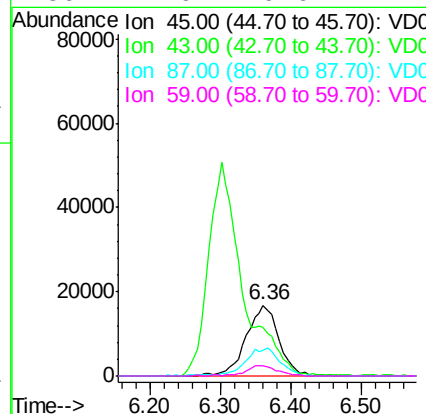
RT: 6.36 min Scan# 755

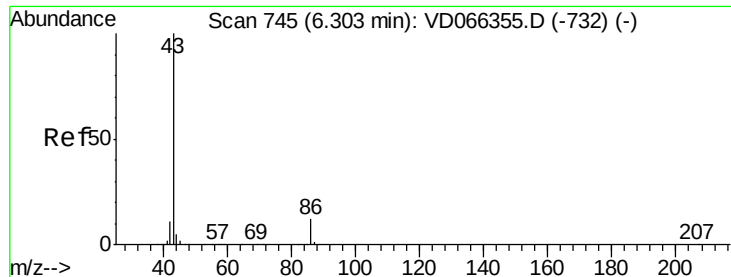
Delta R.T. 0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Tgt Ion:	45	Resp:	54219
Ion	Ratio	Lower	Upper
45	100		
43	66.7	49.8	74.8
87	35.7	25.0	37.6
59	14.9	9.6	14.4#





#23

Vinyl Acetate

Concen: 83.061 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 43 Resp: 170407

Ion Ratio Lower Upper

43 100

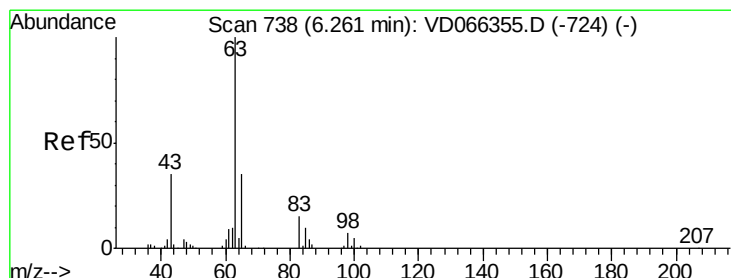
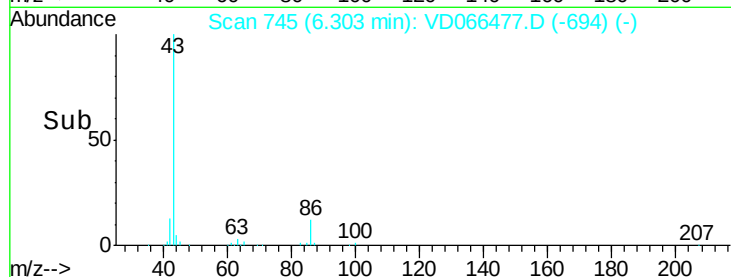
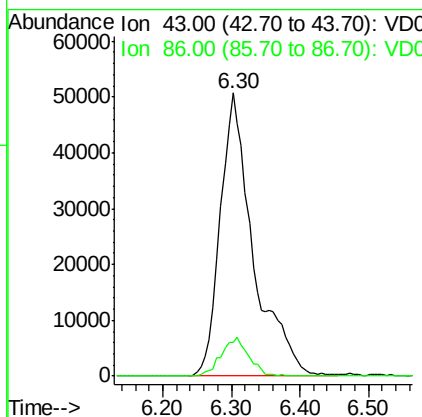
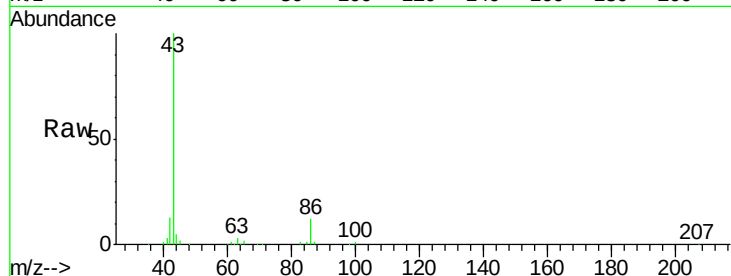
86 11.9 9.4 14.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.573 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

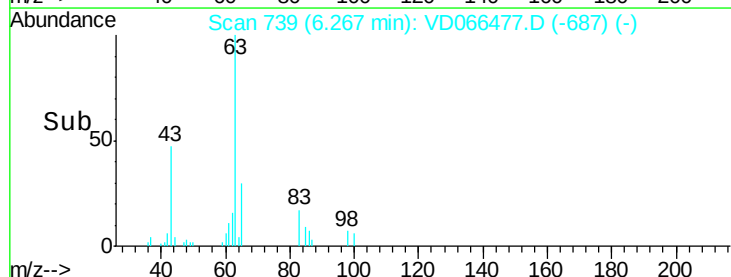
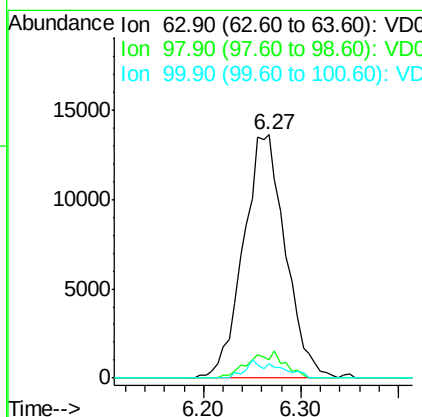
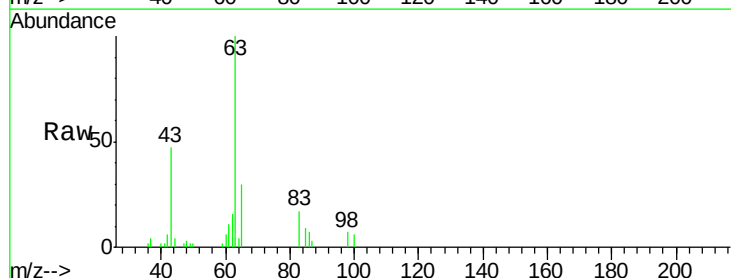
Tgt Ion: 63 Resp: 41156

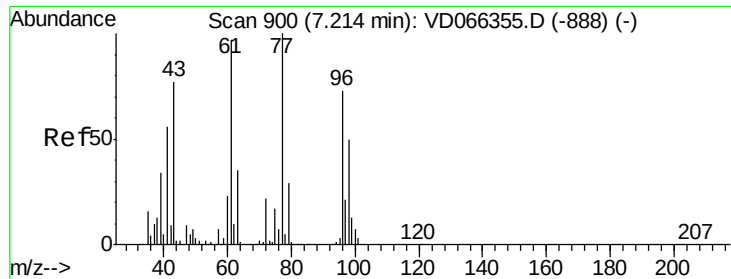
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.6

100 5.9 2.5 7.6





#25

2-Butanone

Concen: 82.280 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 43 Resp: 25977

Ion Ratio Lower Upper

43 100

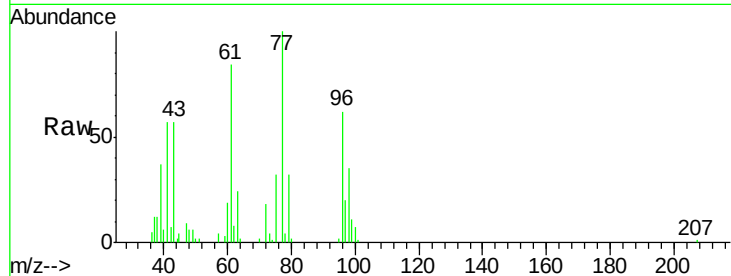
72 31.3 22.5 33.7

Manual Integrations

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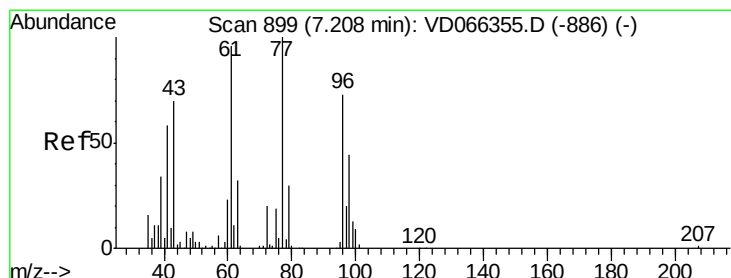
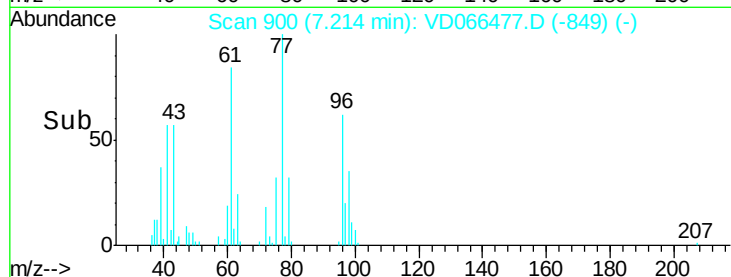
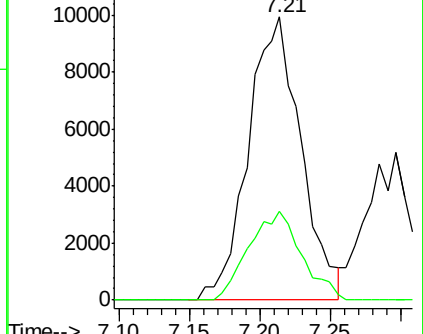
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.497 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066477.D

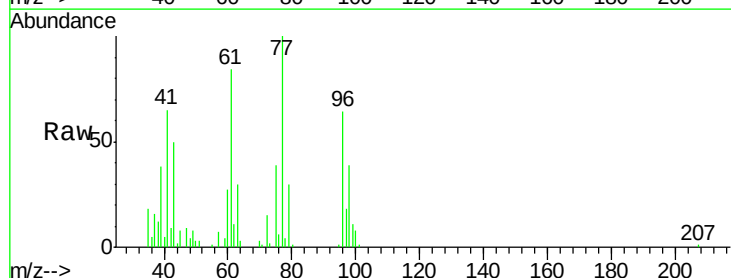
Acq: 31 Aug 2020 12:14

Tgt Ion: 77 Resp: 53959

Ion Ratio Lower Upper

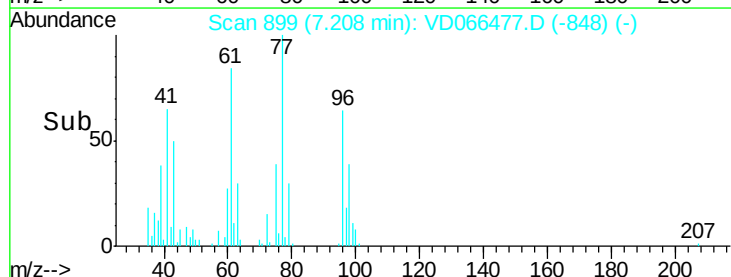
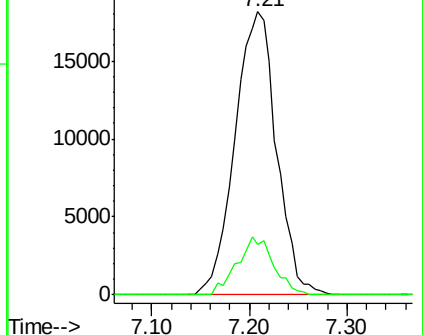
77 100

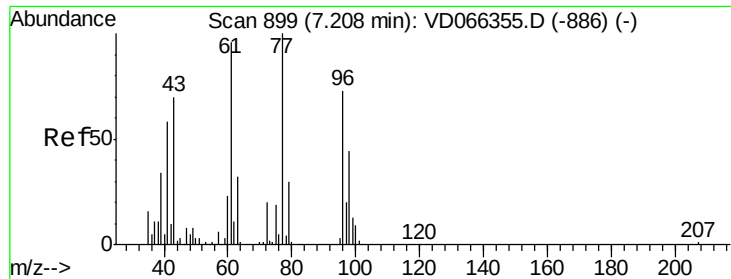
97 18.0 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





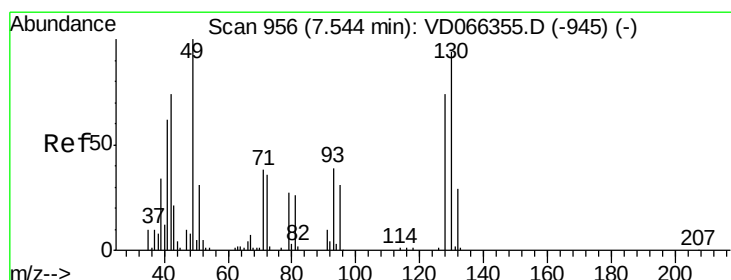
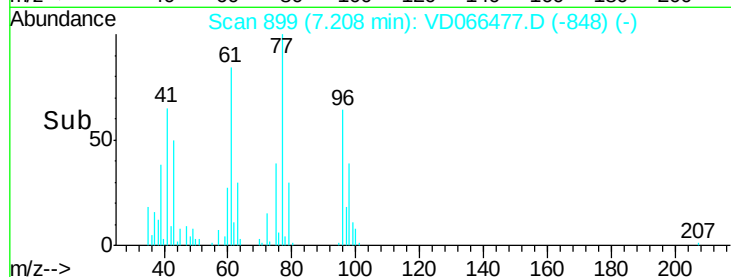
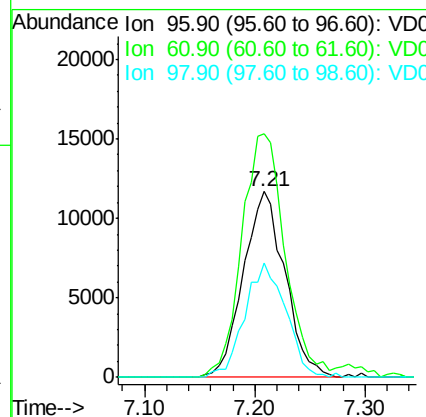
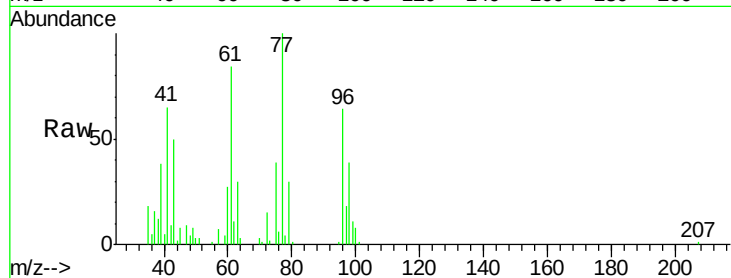
#27
 cis-1,2-Dichloroethene
 Concen: 19.316 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.4	0.0	281.4	
98	60.8	0.0	132.2	

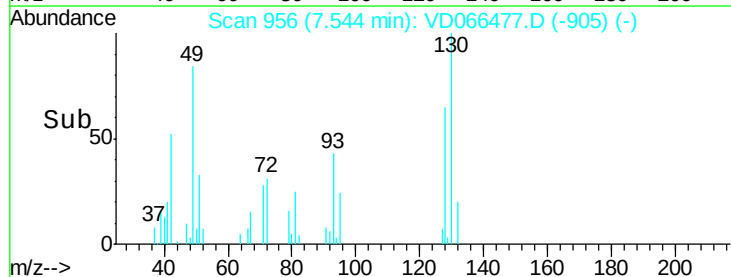
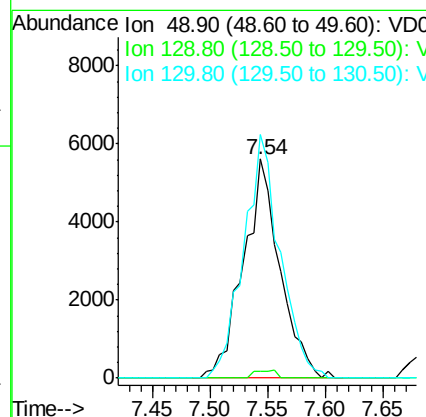
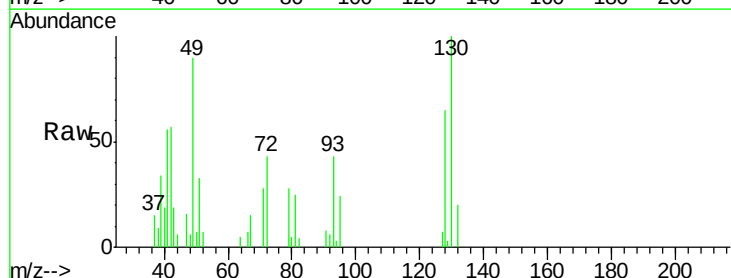
Manual Integrations
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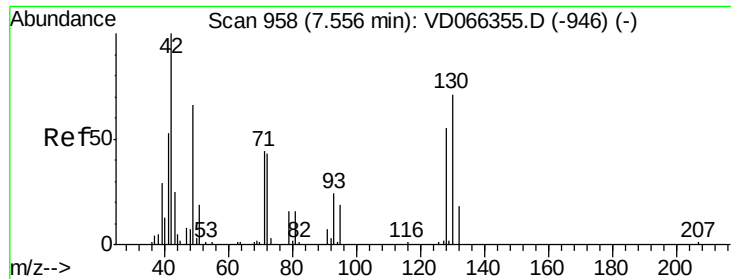
MMDadoda
 9/1/2020 12:38:52 PM



#28
 Bromochloromethane
 Concen: 15.328 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	3.0	
130	110.3	82.6	124.0	





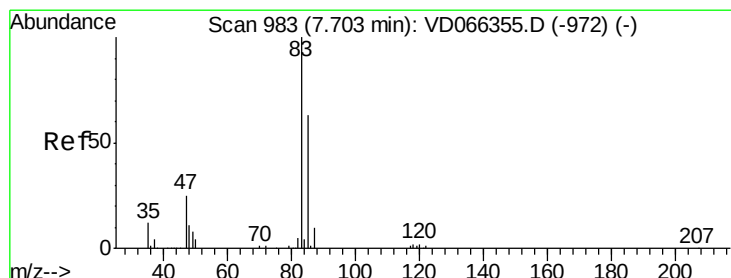
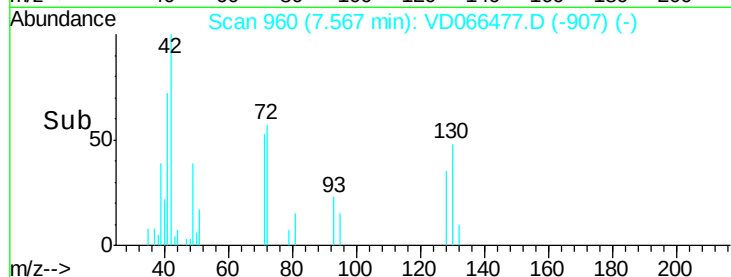
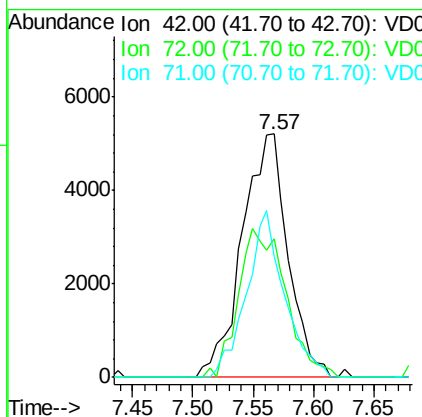
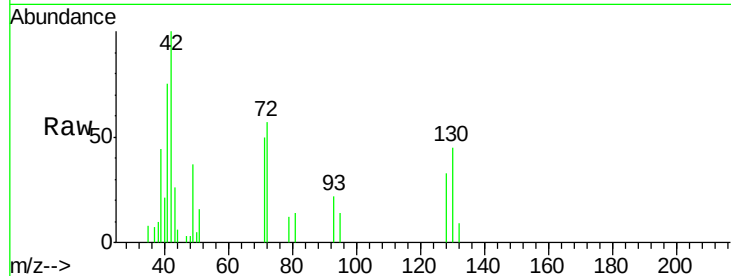
#29
Tetrahydrofuran
Concen: 76.493 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	63.4	41.0	61.4#
71	56.8	37.2	55.8#

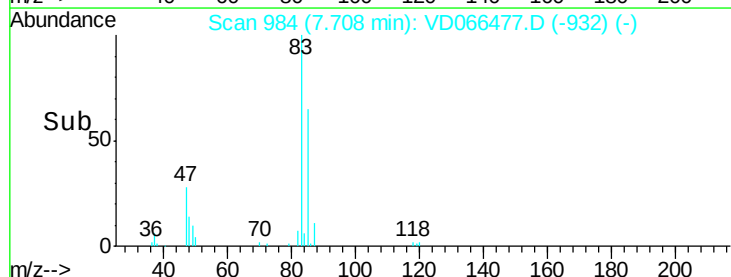
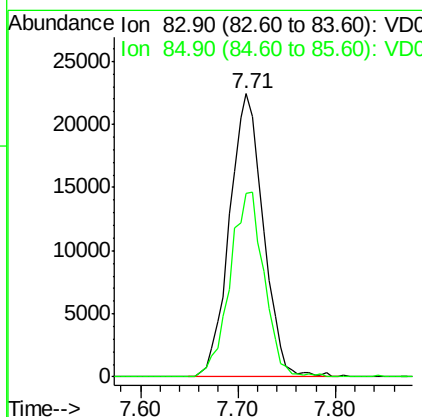
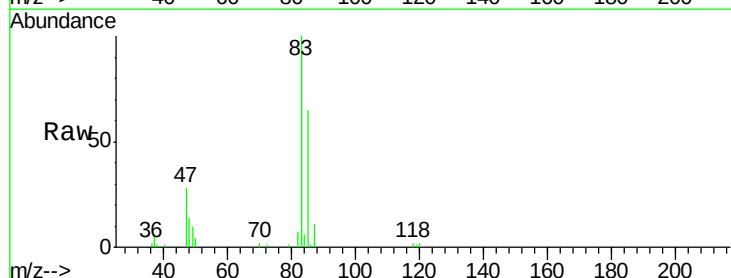
Manual Integrations
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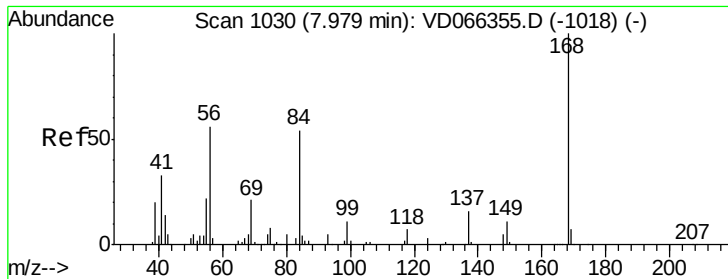
MMDadoda
9/1/2020 12:38:52 PM



#30
Chloroform
Concen: 19.902 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.3	75.5





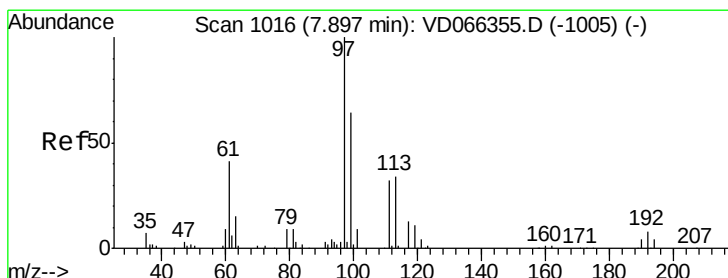
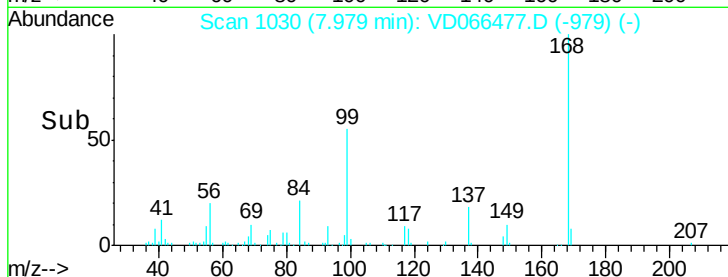
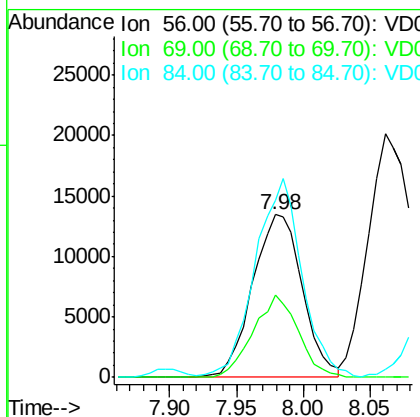
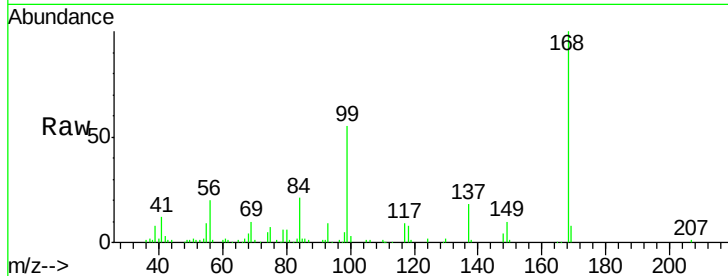
#31
Cyclohexane
Concen: 16.232 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	50.4	29.6	44.4#
84	106.8	76.6	115.0

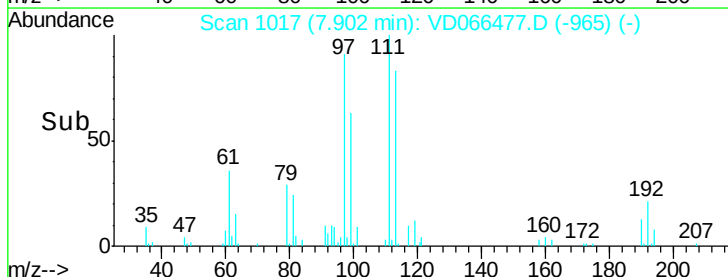
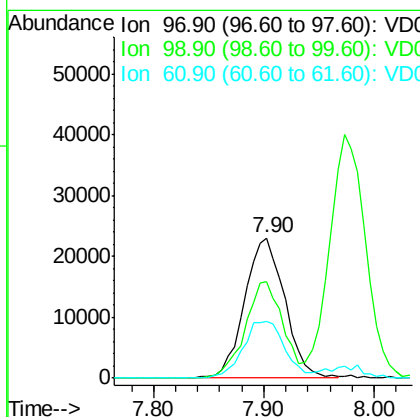
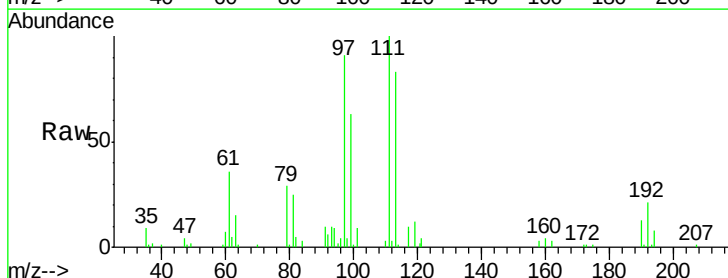
Manual Integrations
APPROVED

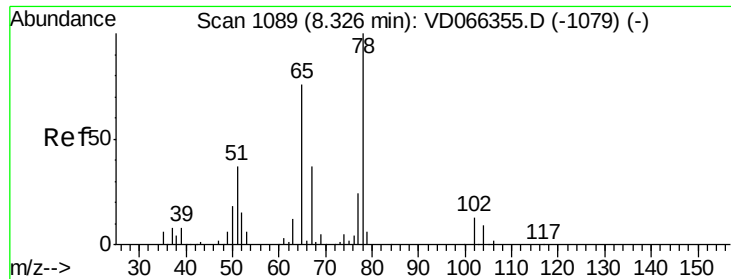
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.184 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	42.0	33.3	49.9





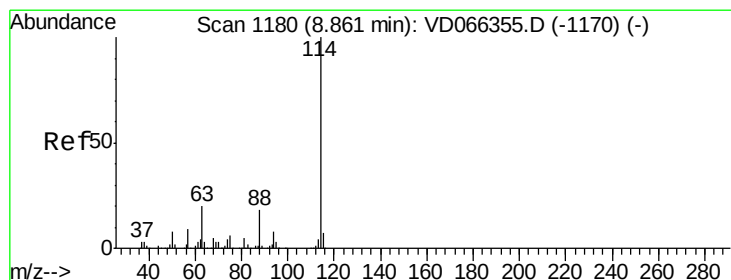
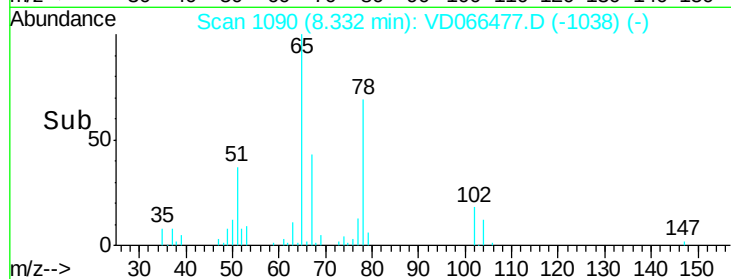
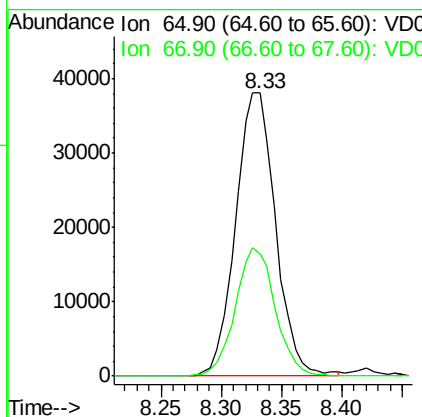
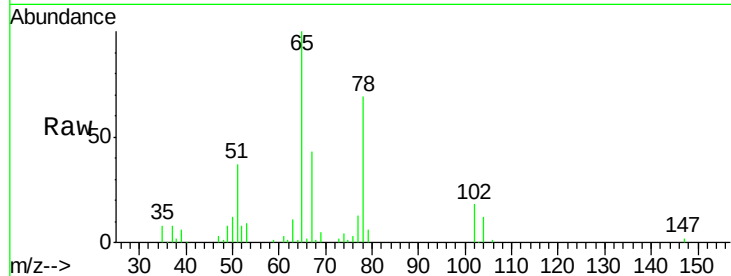
#33
 1,2-Dichloroethane-d4
 Concen: 56.774 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.01 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	87578		
67	45.4	0.0	101.6	

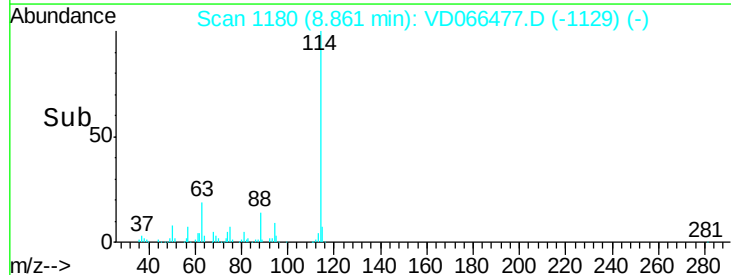
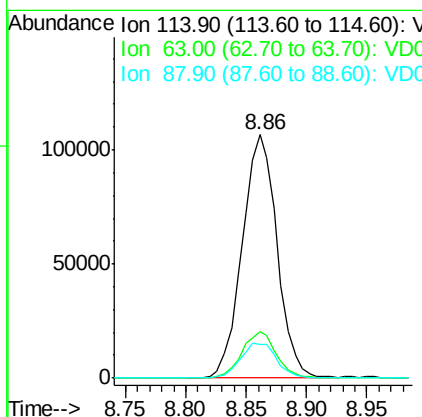
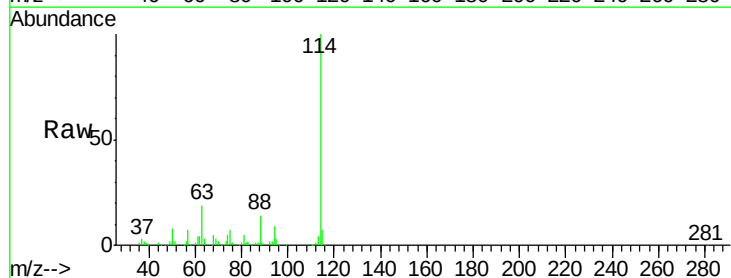
Manual Integrations
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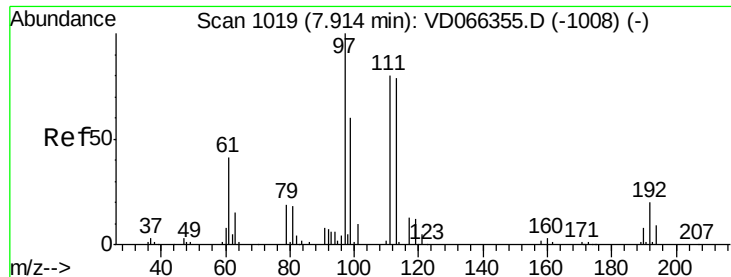
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 9/1/2020 12:38:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	214075		
63	19.0	0.0	40.8	
88	14.1	0.0	35.4	





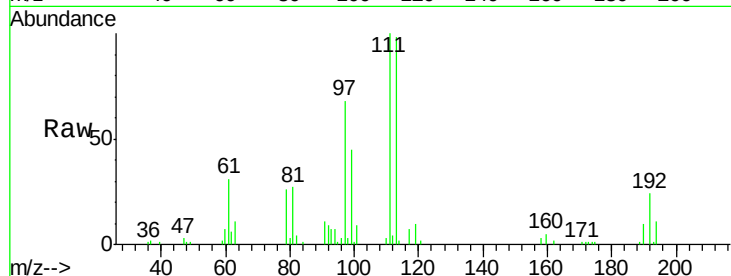
#35
Dibromofluoromethane
Concen: 50.622 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

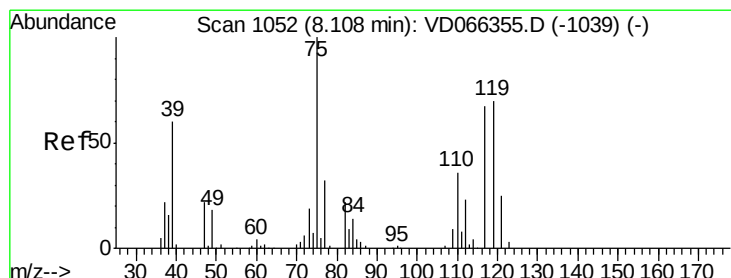
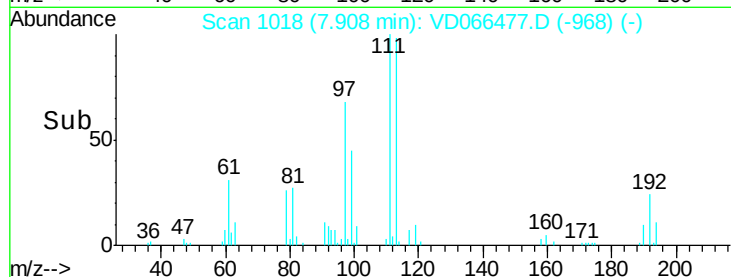
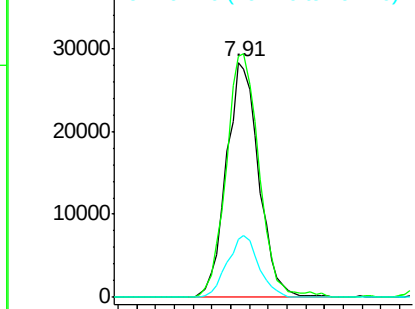
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.4	80.3	120.5
192	25.4	19.0	28.6

Manual Integrations
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9/1/2020 12:38:52 PM

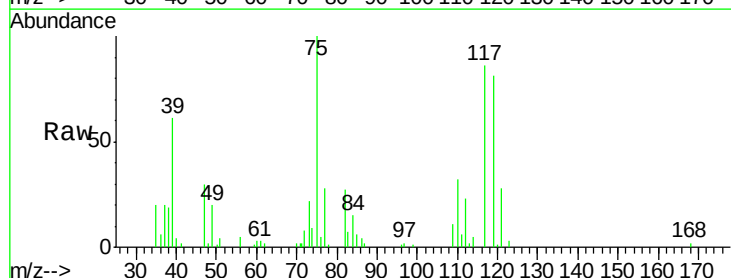


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

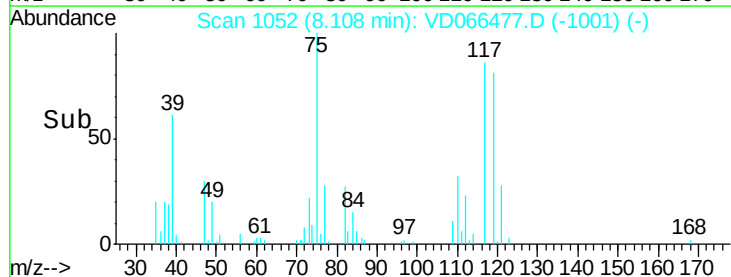
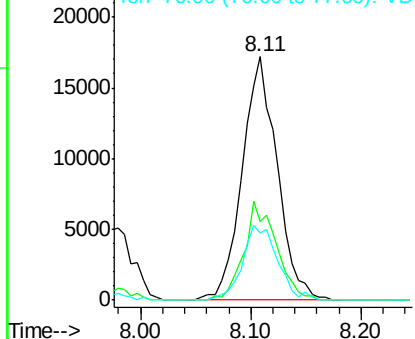


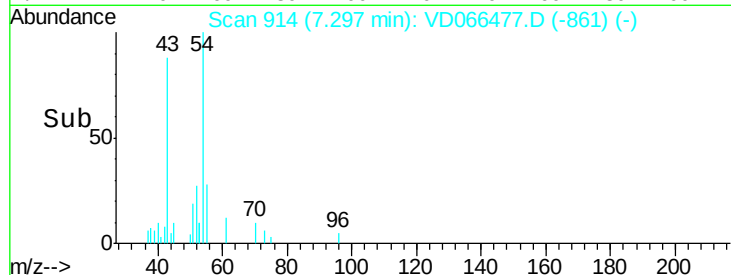
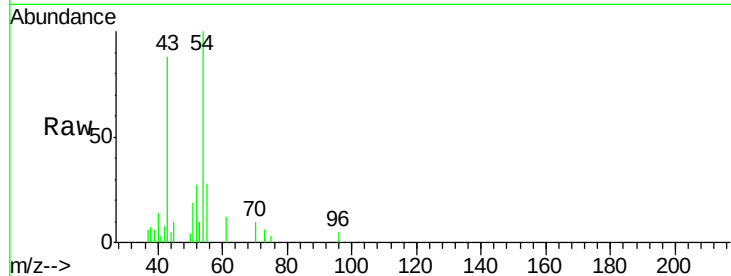
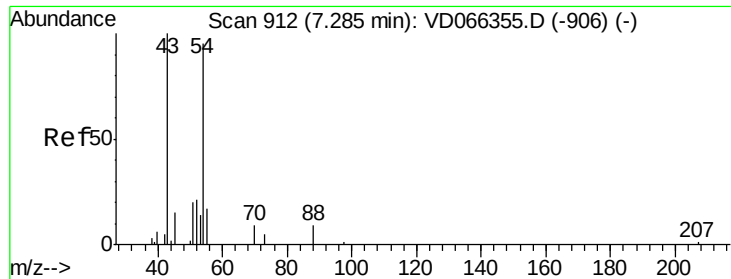
#36
1,1-Dichloropropene
Concen: 19.601 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.7	56.1
77	30.5	25.2	37.8



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





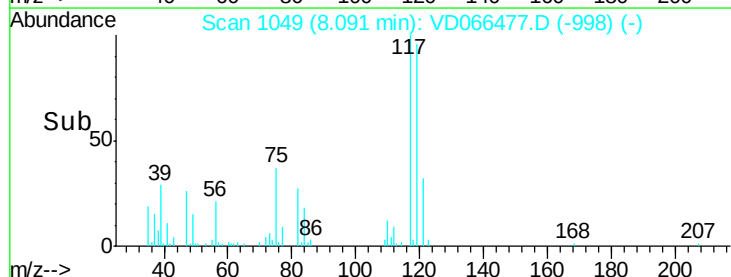
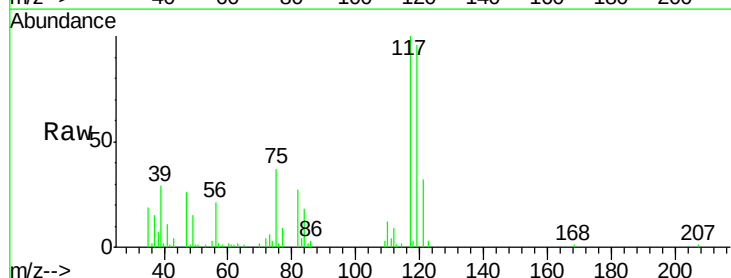
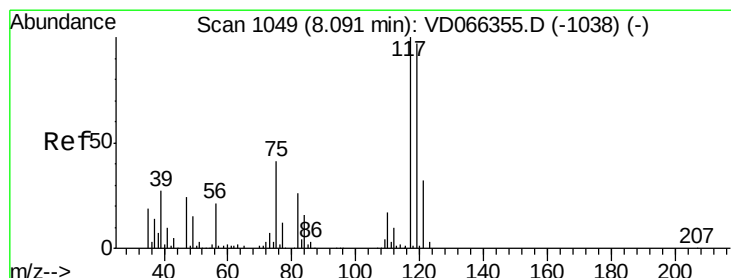
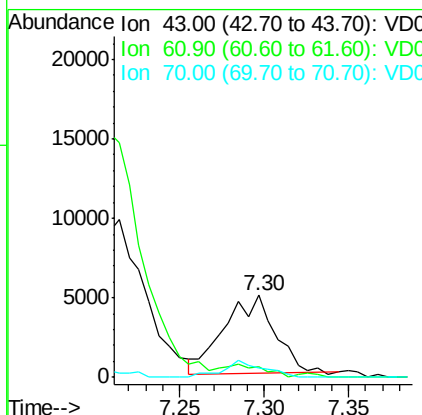
#37
Ethyl Acetate
Concen: 15.790 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	13.3	19.9#
70	16.6	3.5	5.3#

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

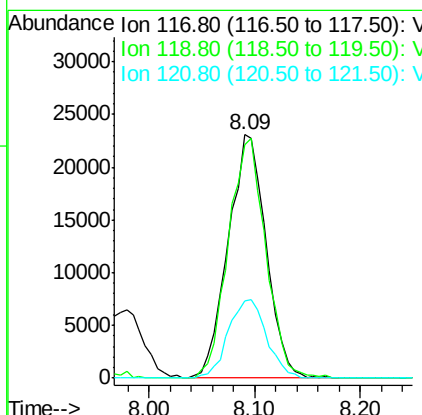
Manual Integrations
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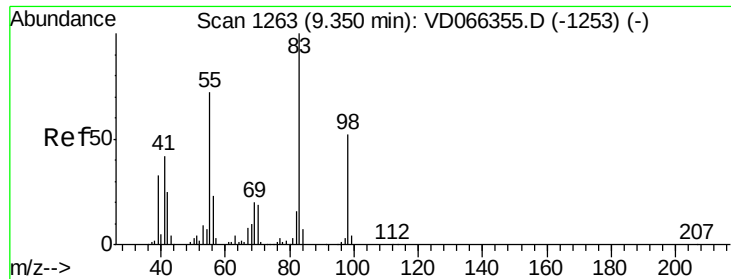
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#38
Carbon Tetrachloride
Concen: 22.575 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.2	115.8
121	31.7	25.8	38.8





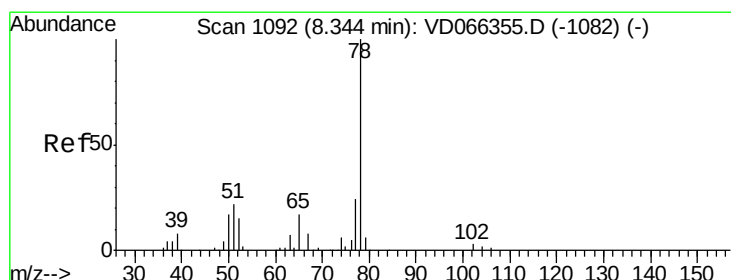
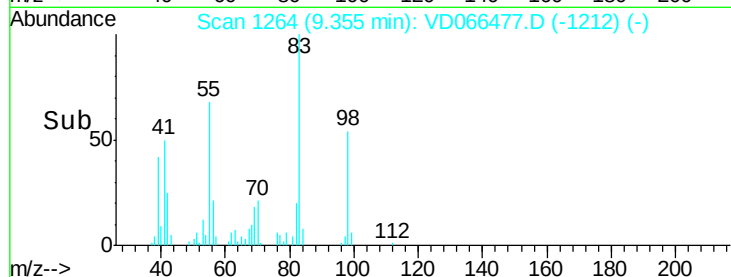
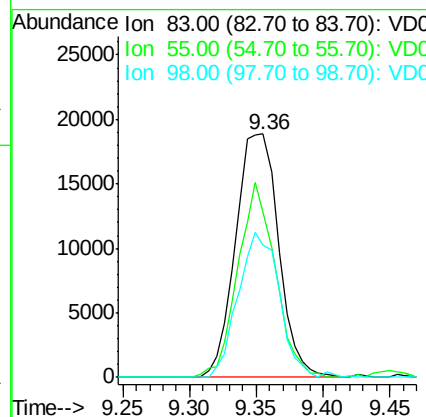
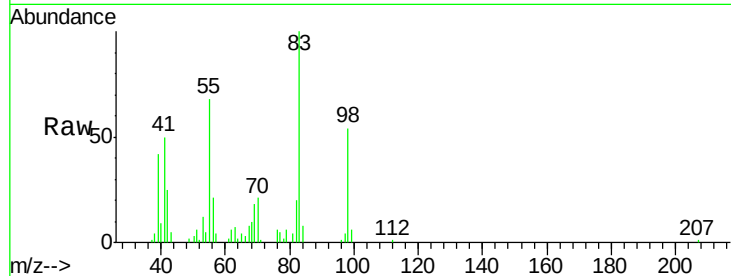
#39
Methylvlcyclohexane
Concen: 18.401 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.2	58.0	87.0
98	54.3	41.9	62.9

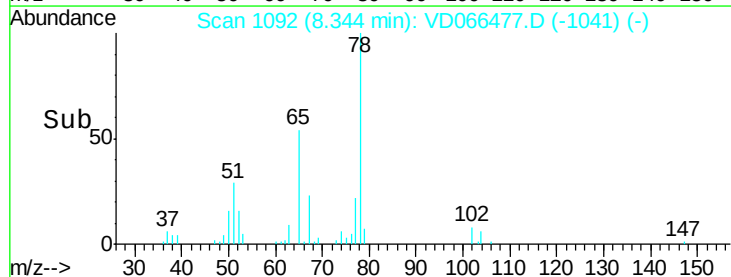
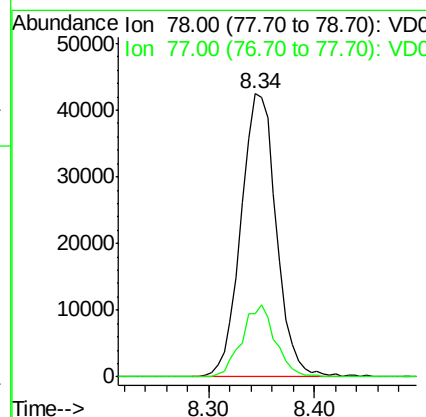
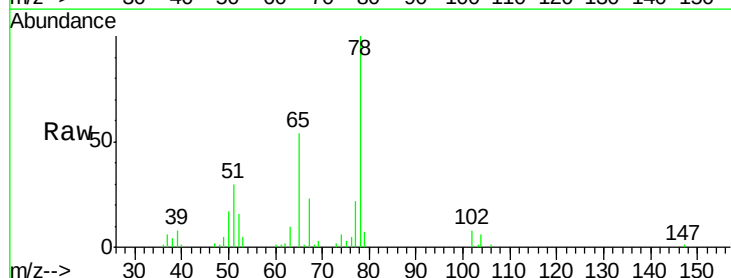
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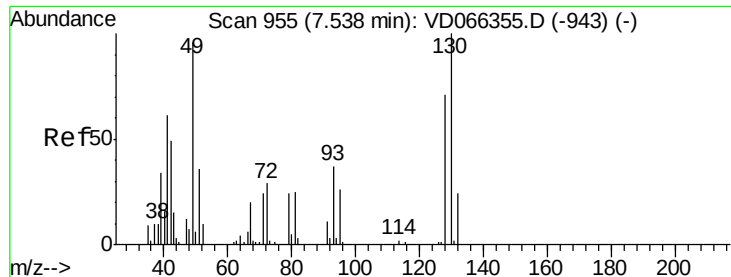
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#40
Benzene
Concen: 19.157 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.8	28.2





#41

Methacrylonitrile

Concen: 24.567 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 41 Resp: 10065

Ion Ratio Lower Upper

41 100

39 66.0 51.8 77.8

67 0.0 0.0 0.0

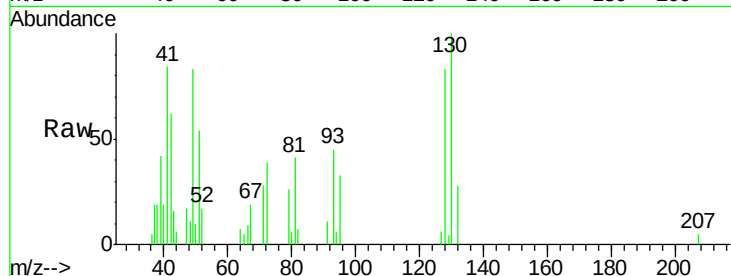
52 0.0 0.0 0.0

Manual Integrations

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9/1/2020 12:38:52 PM

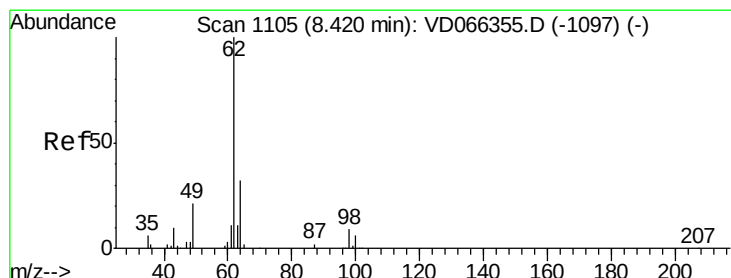
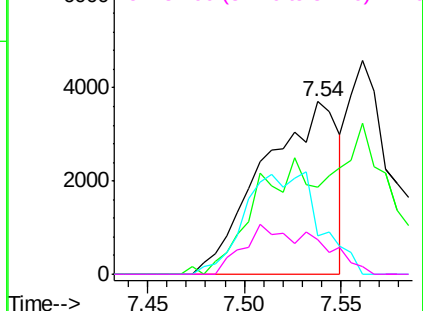
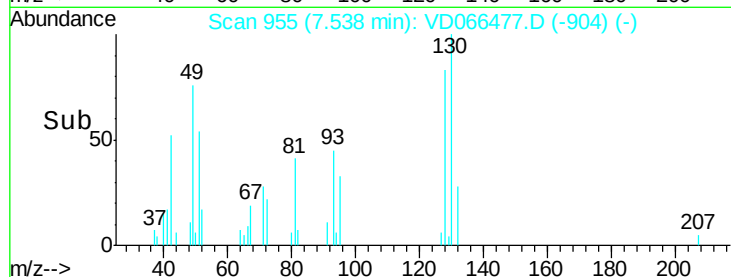


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.265 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066477.D

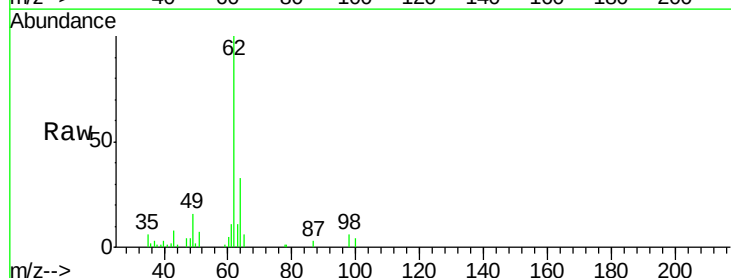
Acq: 31 Aug 2020 12:14

Tgt Ion: 62 Resp: 42105

Ion Ratio Lower Upper

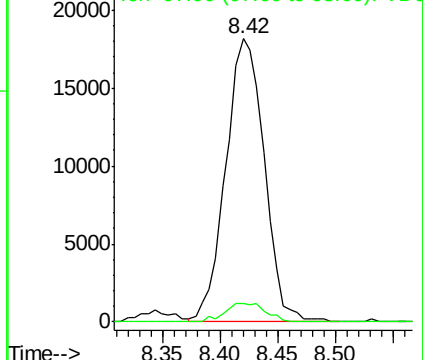
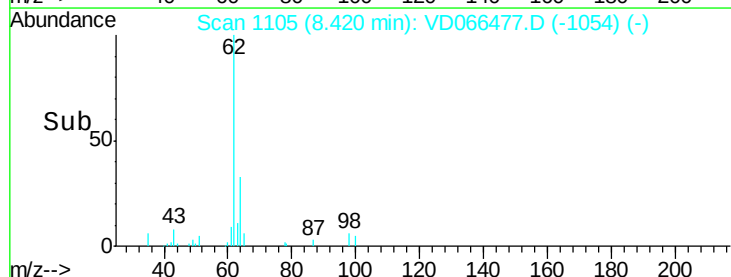
62 100

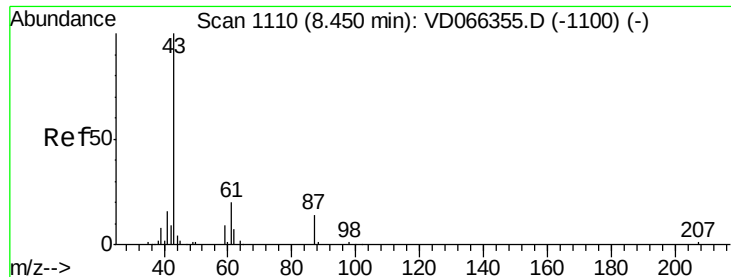
98 6.9 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.692 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

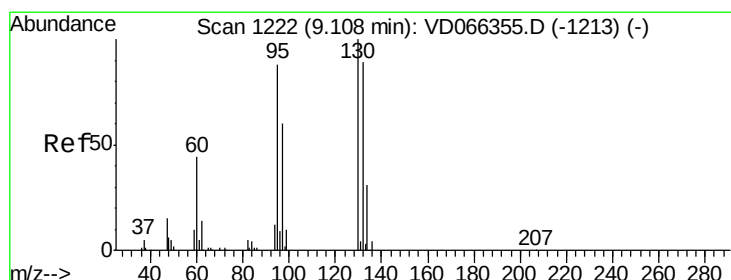
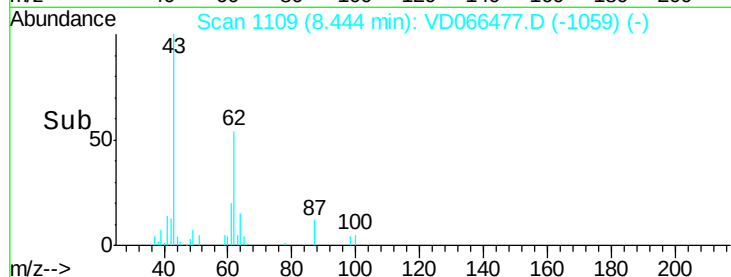
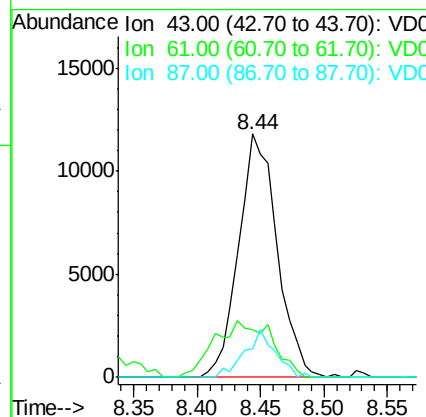
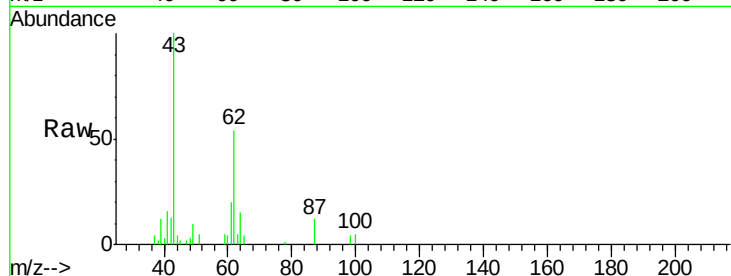
ClientSampleId :

VD0831SBS01

Tot Ion:	43	Resp:	24924
Ion	Ratio	Lower	Upper
43	100		
61	34.6	26.5	39.7
87	15.6	11.9	17.9

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#44

Trichloroethene

Concen: 19.593 ug/l

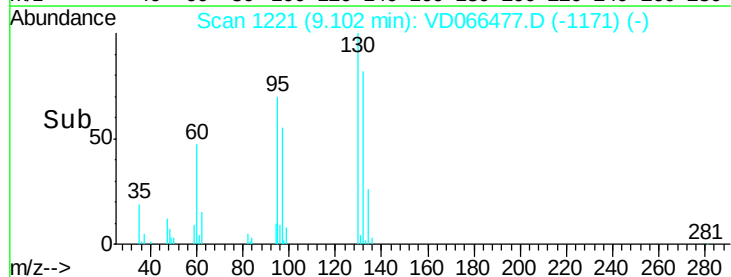
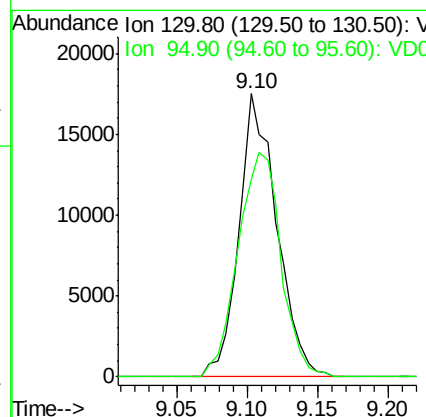
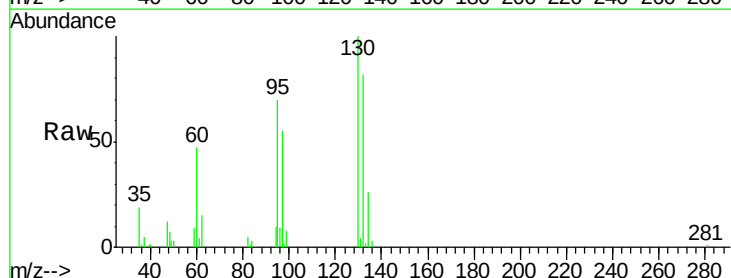
RT: 9.10 min Scan# 1221

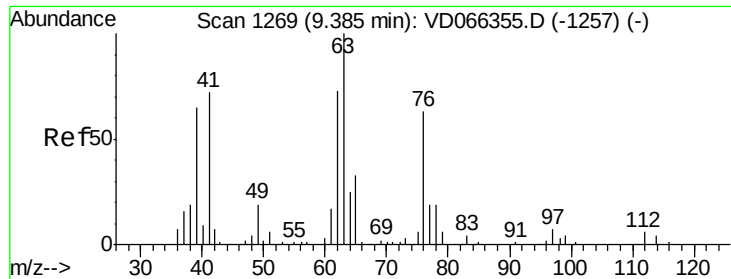
Delta R.T. -0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Tgt Ion:	130	Resp:	32715
Ion	Ratio	Lower	Upper
130	100		
95	70.0	0.0	175.6





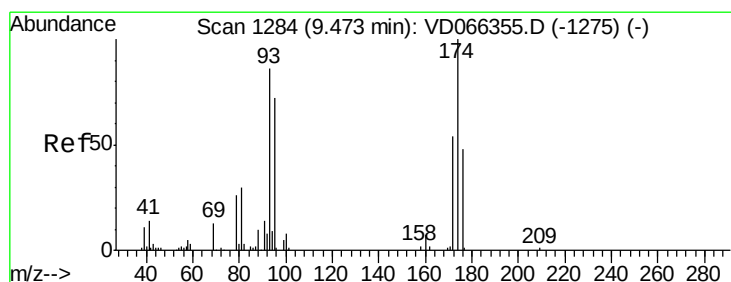
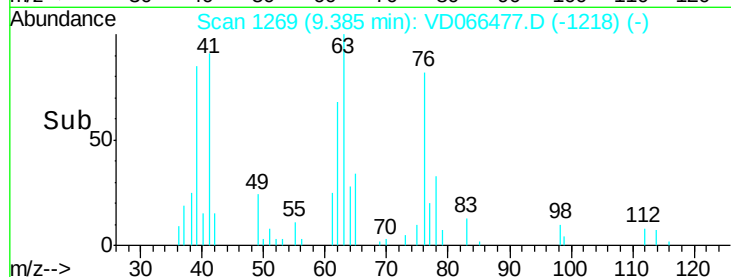
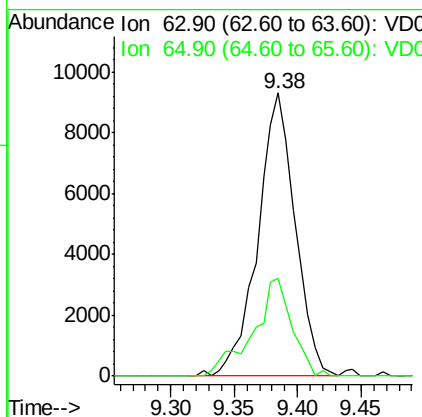
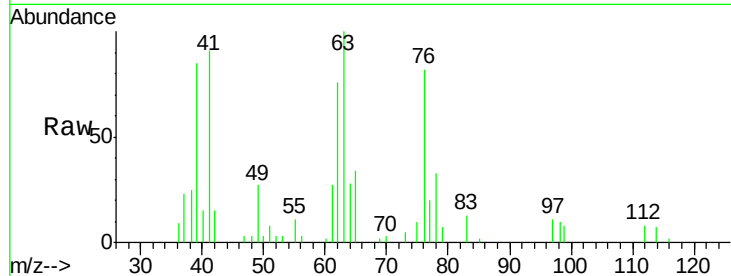
#45
 1,2-Dichloropropane
 Concen: 16.403 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion: 63 Resp: 19108
 Ion Ratio Lower Upper
 63 100
 65 34.4 26.4 39.6

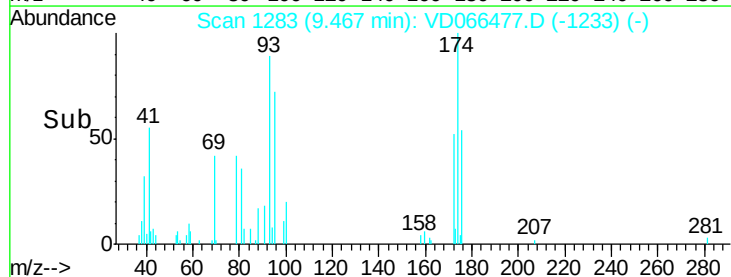
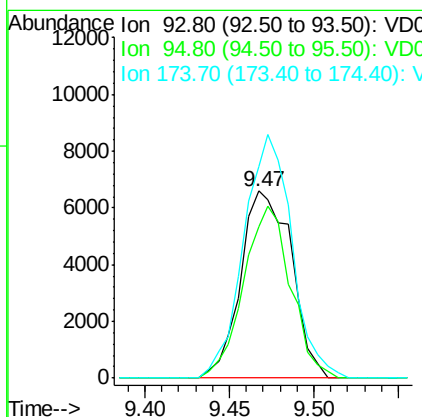
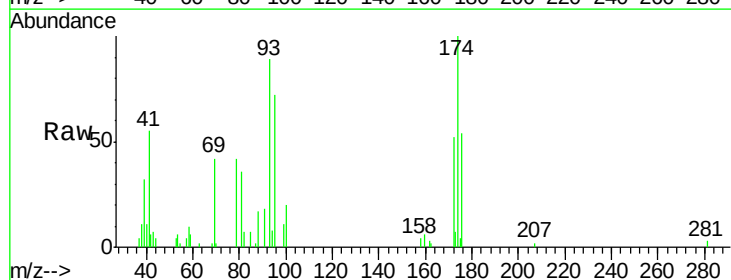
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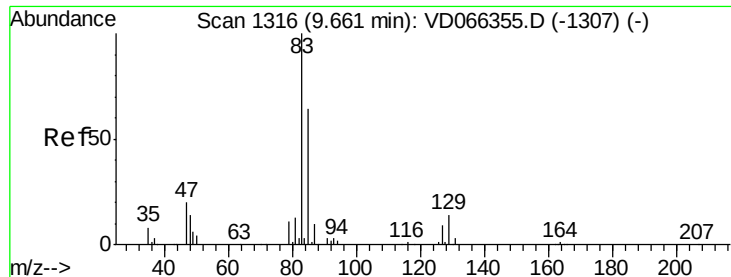
MMDadoda
 9/1/2020 12:38:52 PM



#46
 Dibromomethane
 Concen: 18.968 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Tgt Ion: 93 Resp: 13758
 Ion Ratio Lower Upper
 93 100
 95 85.4 66.0 99.0
 174 123.3 94.6 141.8





#47

Bromodichloromethane

Concen: 21.723 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

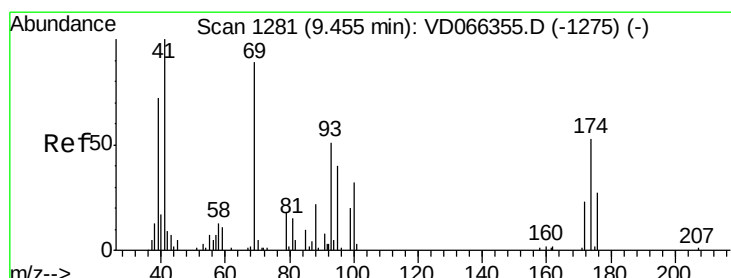
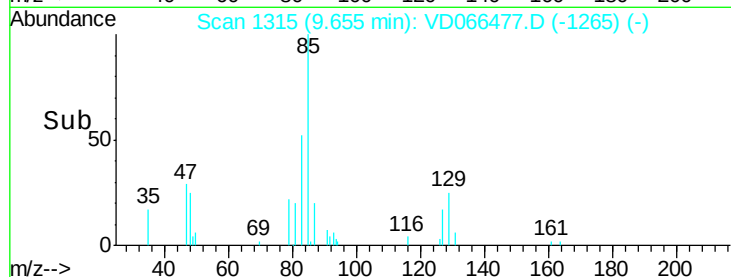
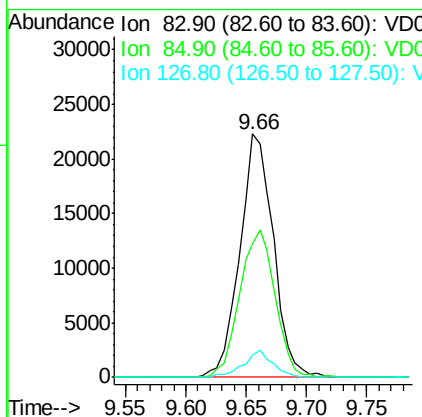
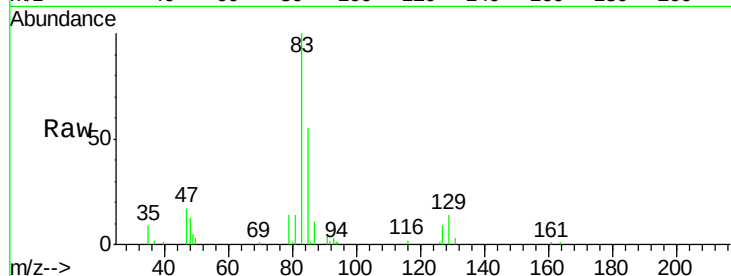
ClientSampleId :

VD0831SBS01

Tot Ion:	83	Resp:	43330
Ion	Ratio	Lower	Upper
83	100		
85	54.9	51.4	77.0
127	9.2	7.4	11.0

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#48

Methyl methacrylate

Concen: 17.120 ug/l

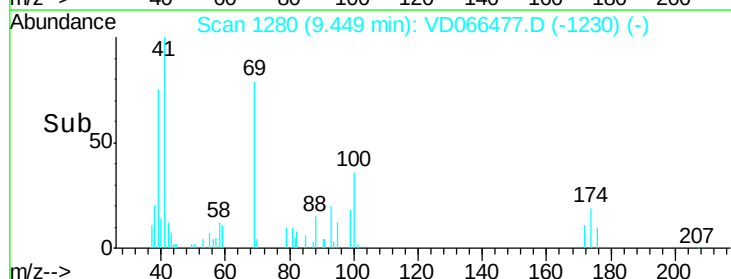
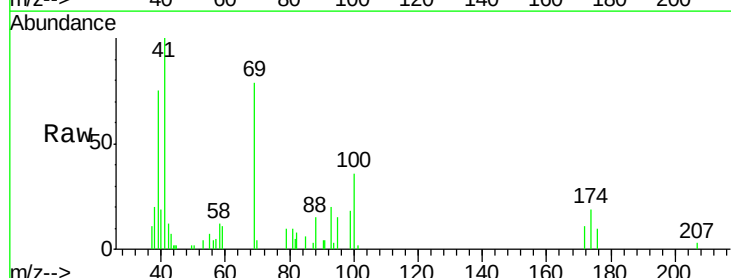
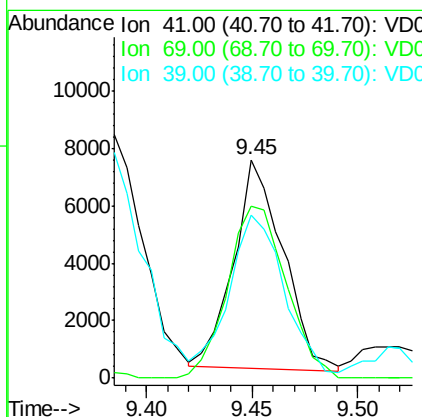
RT: 9.45 min Scan# 1280

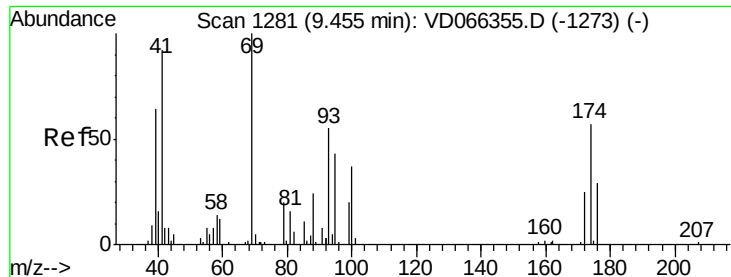
Delta R.T. -0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Tgt Ion:	41	Resp:	11772
Ion	Ratio	Lower	Upper
41	100		
69	97.8	75.5	113.3
39	82.0	57.0	85.4





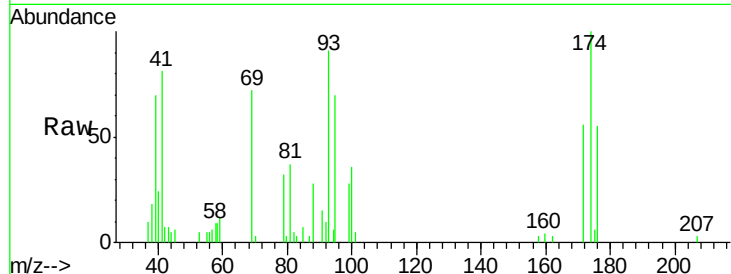
#49
1,4-Dioxane
Concen: 350.986 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

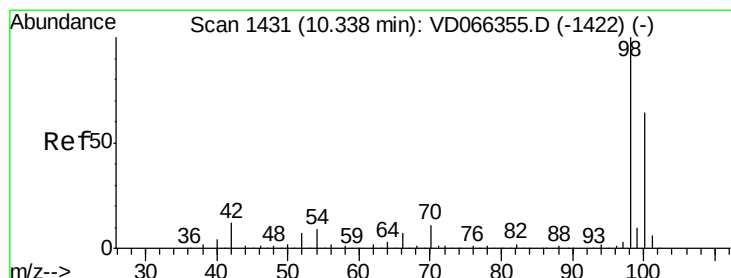
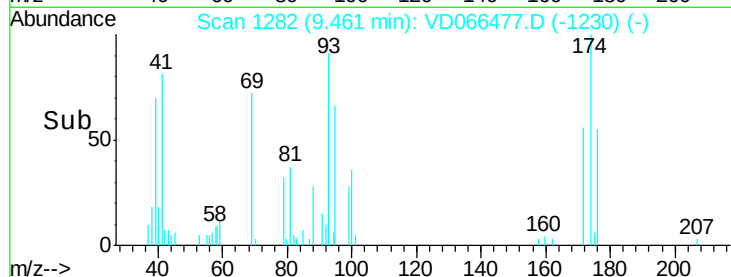
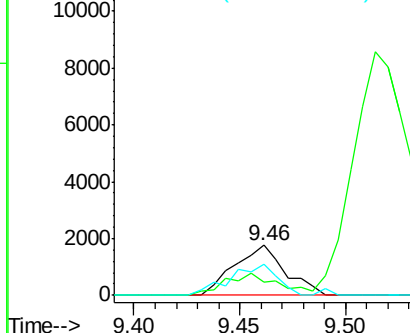
Tot Ion	Ratio	Resp	Lower	Upper
88	100	2956		
43	46.9	29.4	44.0#	
58	57.5	45.4	68.2	

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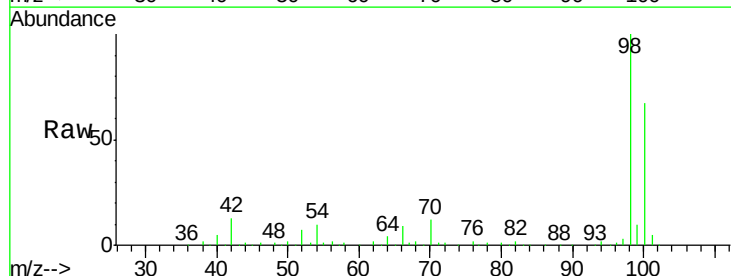


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

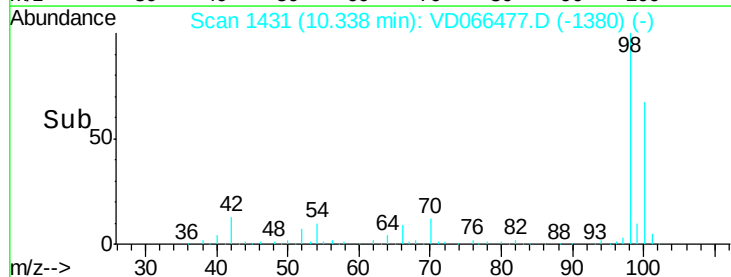
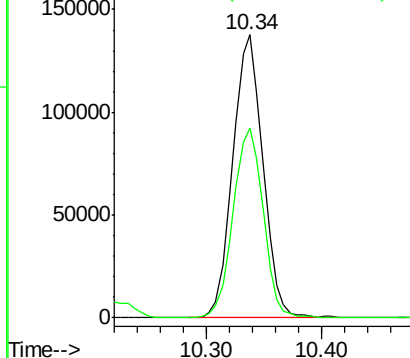


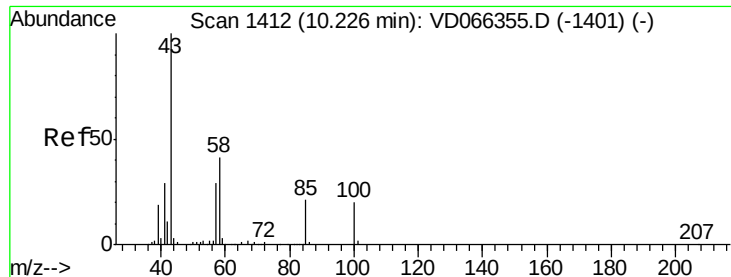
#50
Toluene-d8
Concen: 50.873 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	249171		
100	66.9	53.0	79.4	



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





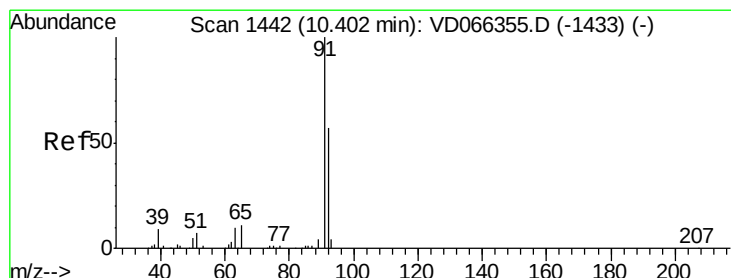
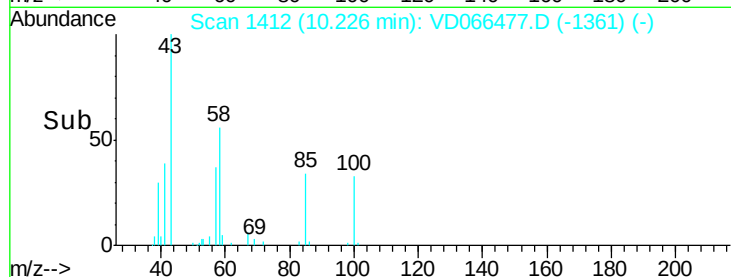
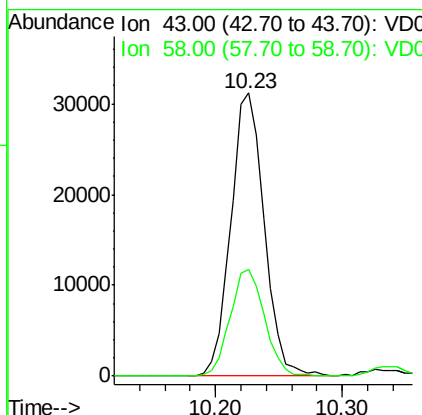
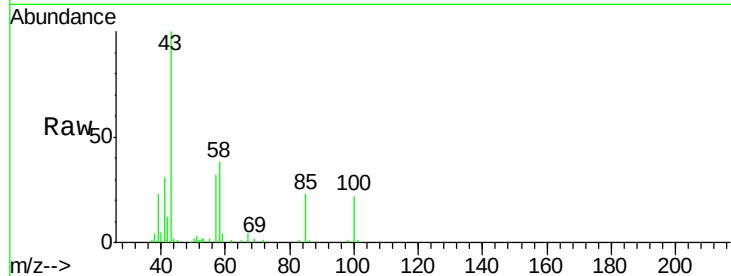
#51
 4-Methyl-2-Pentanone
 Concen: 88.056 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.4	47.2

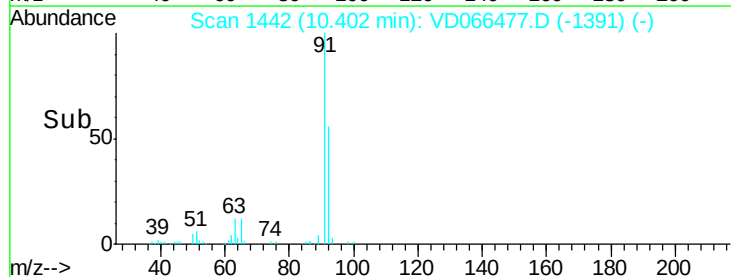
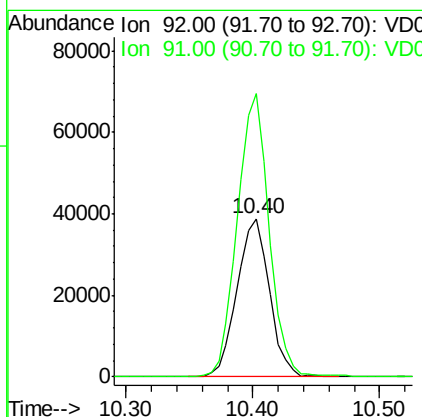
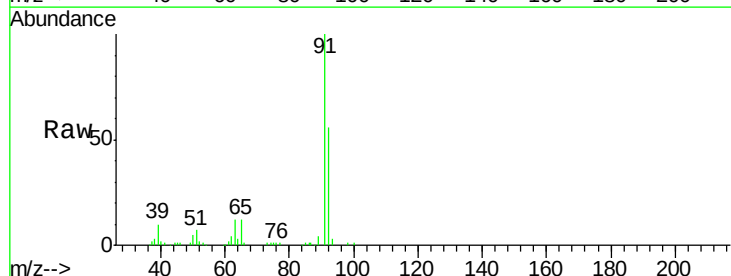
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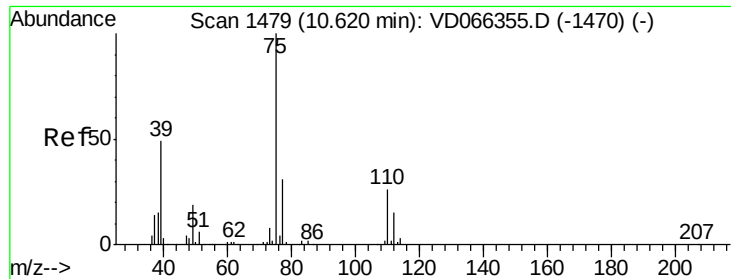
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#52
 Toluene
 Concen: 19.794 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.7	135.8	203.6





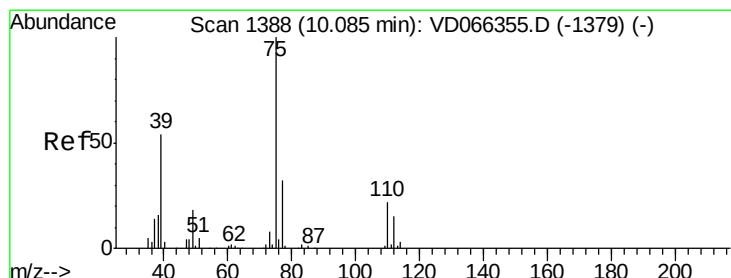
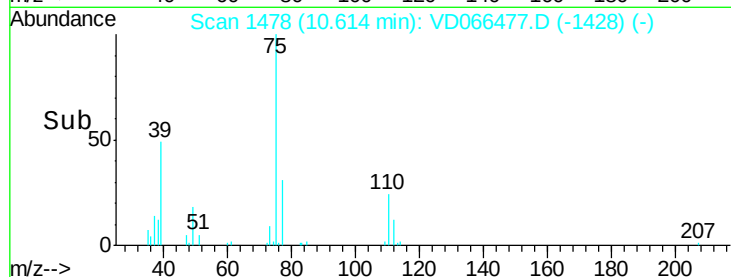
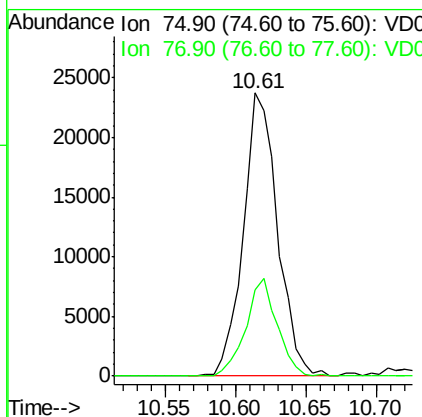
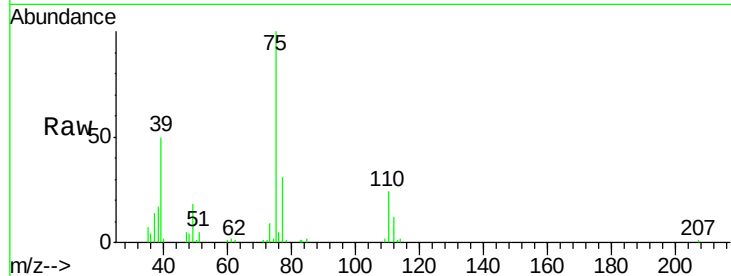
#53
 t-1,3-Dichloropropene
 Concen: 21.334 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion: 75 Resp: 40379
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.5 36.7

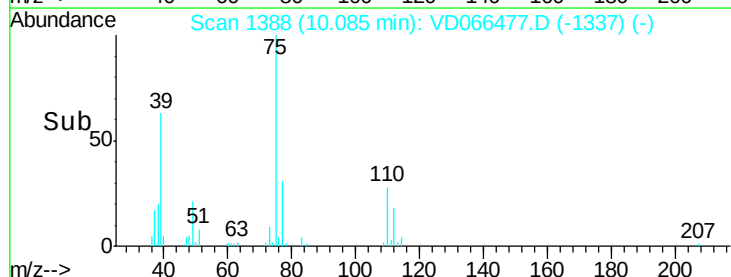
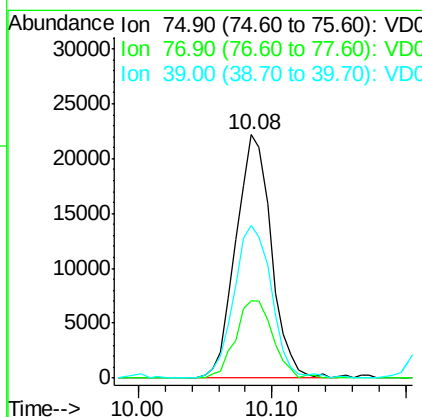
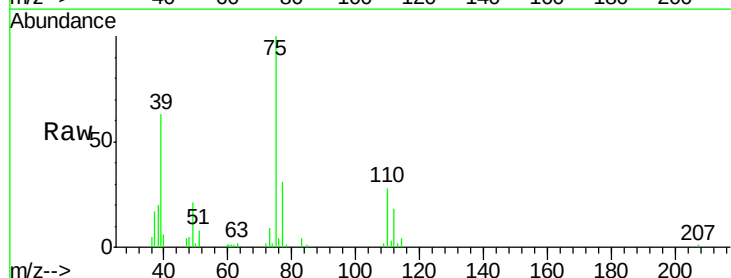
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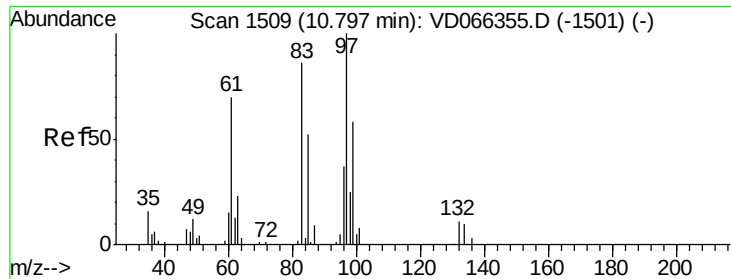
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#54
 cis-1,3-Dichloropropene
 Concen: 19.235 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Tgt Ion: 75 Resp: 40863
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.6 38.4
 39 62.6 43.4 65.0





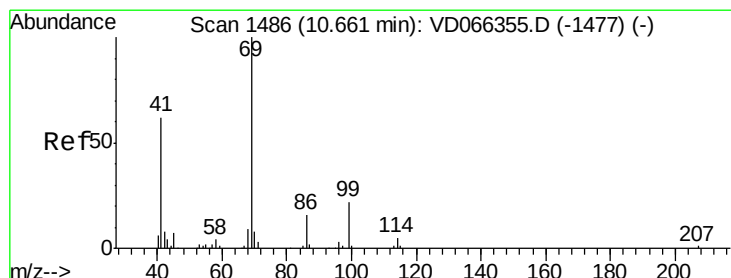
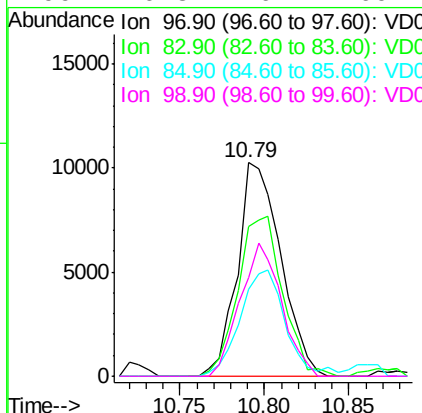
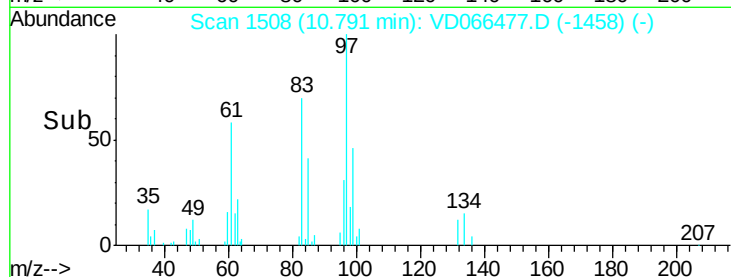
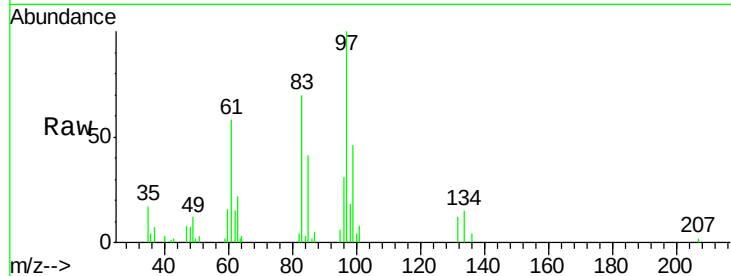
#55
 1,1,2-Trichloroethane
 Concen: 18.637 ug/l
 RT: 10.79 min Scan# 1508
 Delta R.T. -0.01 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion:	97	Resp:	18300
Ion	Ratio	Lower	Upper
97	100		
83	70.1	68.4	102.6
85	40.7	41.3	61.9#
99	46.3	46.1	69.1

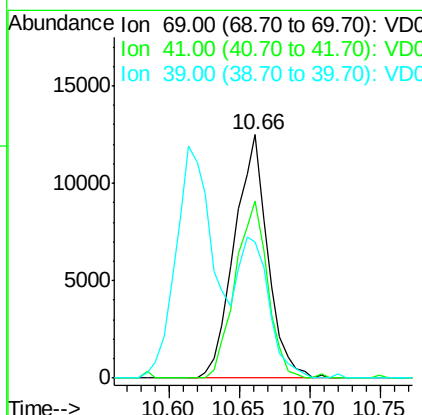
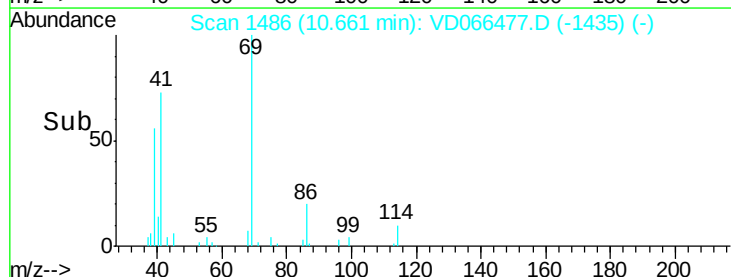
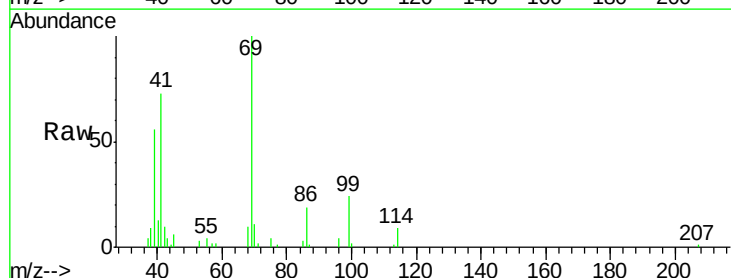
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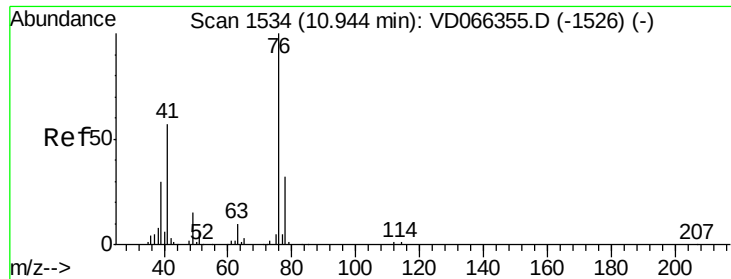
MMDadoda
 9/1/2020 12:38:52 PM



#56
 Ethyl methacrylate
 Concen: 18.164 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Tgt Ion:	69	Resp:	20647
Ion	Ratio	Lower	Upper
69	100		
41	70.0	50.8	76.2
39	53.4	32.9	49.3#





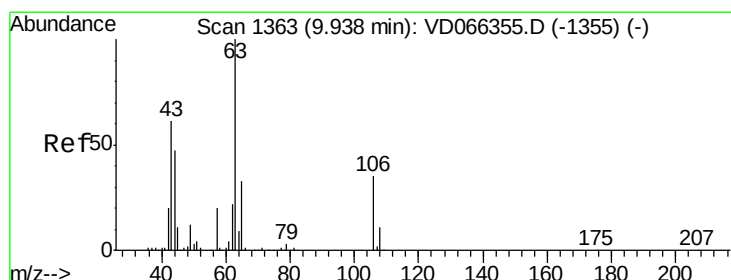
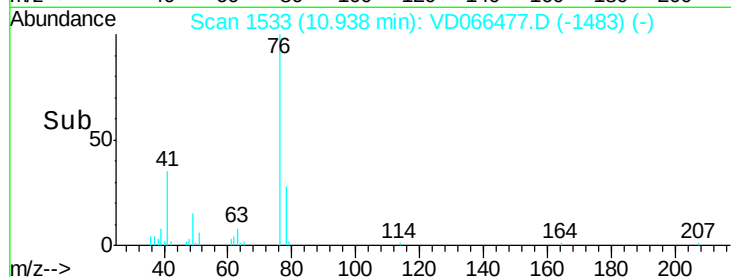
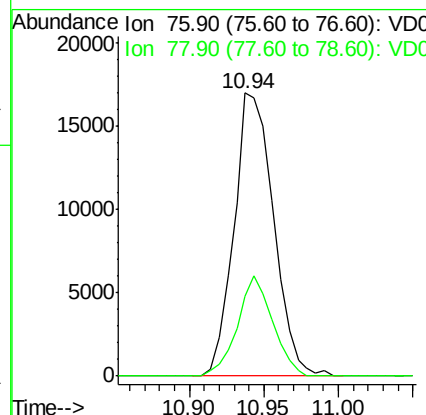
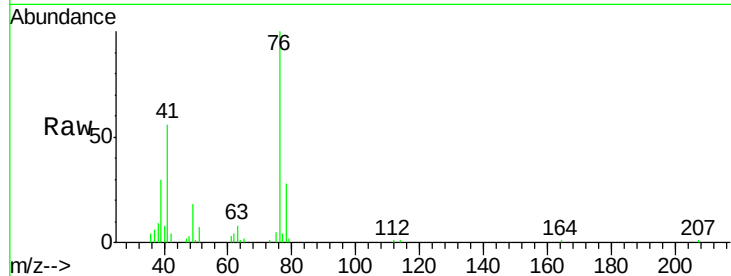
#57
 1,3-Dichloropropane
 Concen: 19.260 ug/l
 RT: 10.94 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion: 76 Resp: 31282
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.6 38.4

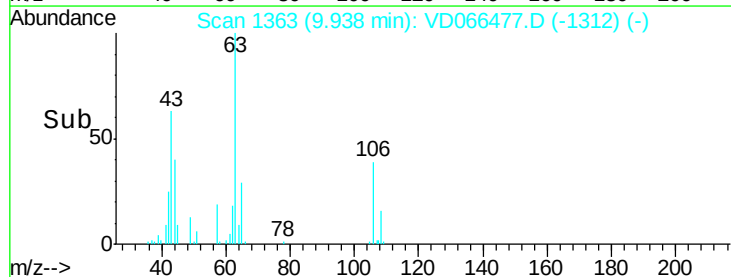
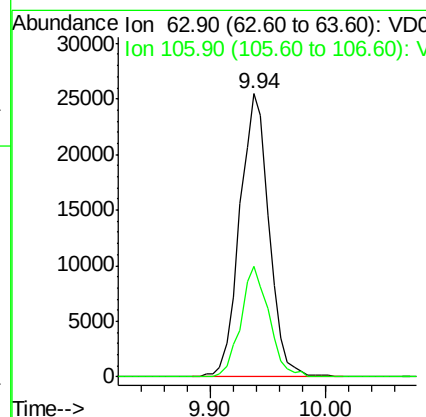
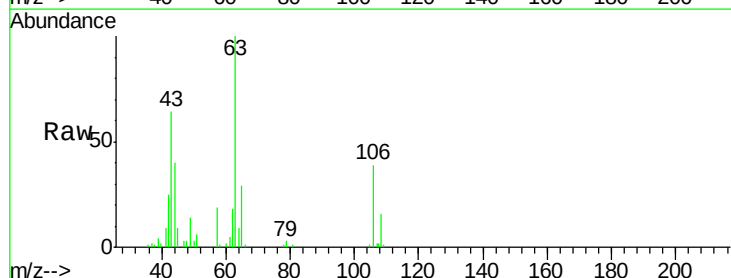
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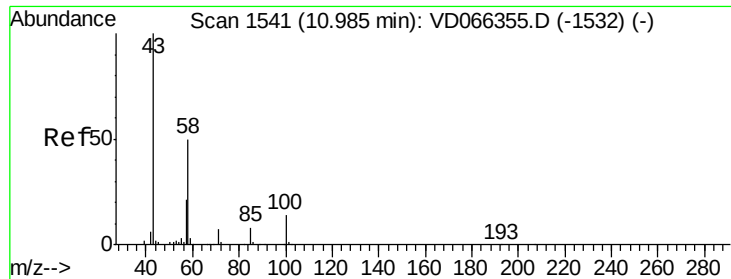
MMDadoda
 9/1/2020 12:38:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.586 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Tgt Ion: 63 Resp: 44653
 Ion Ratio Lower Upper
 63 100
 106 37.8 27.1 40.7





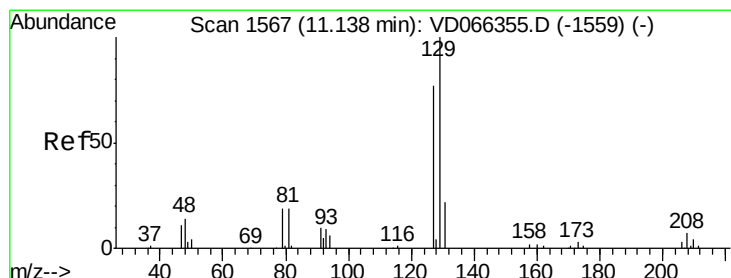
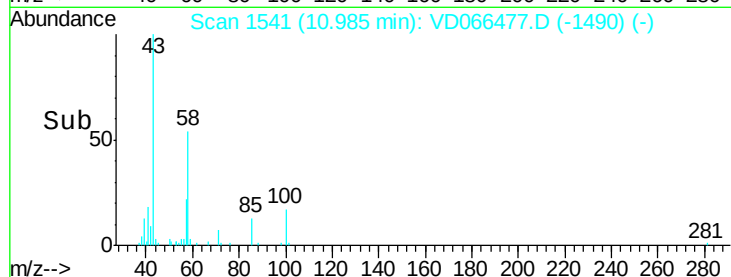
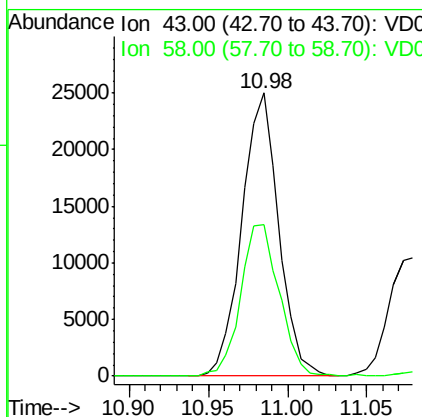
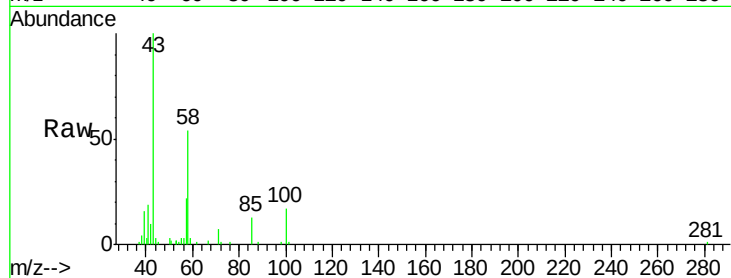
#59
2-Hexanone
Concen: 88.526 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	43	Resp	40280
Ion Ratio	100	Lower	Upper
43	100		
58	56.3	26.3	78.8

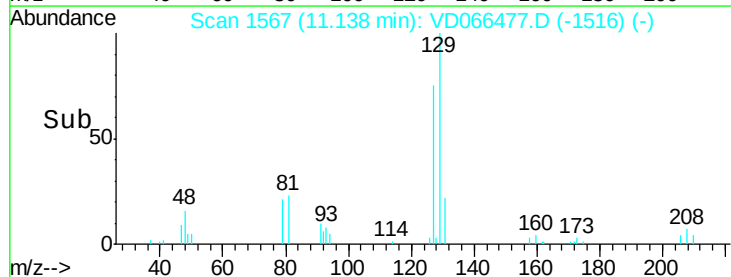
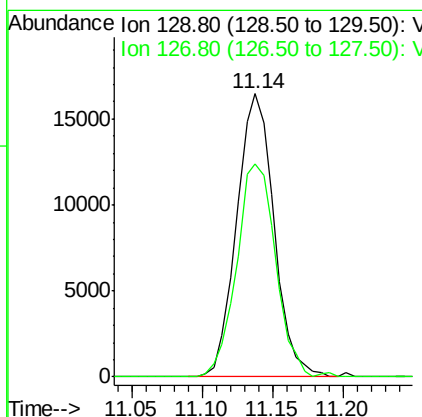
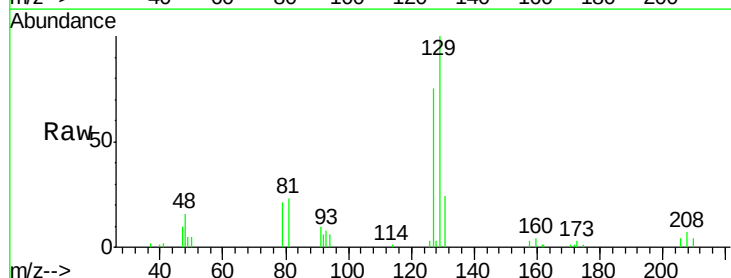
Manual Integrations
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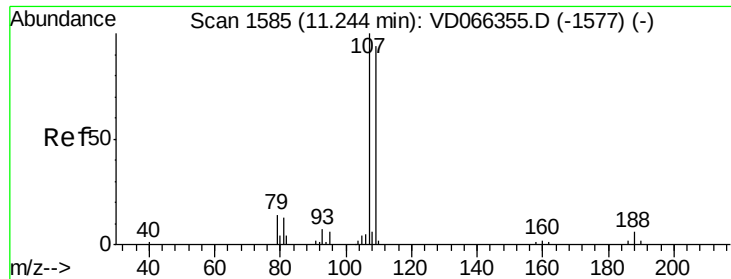
MMDadoda
9/1/2020 12:38:52 PM



#60
Dibromochloromethane
Concen: 20.542 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tgt Ion	129	Resp	30403
Ion Ratio	100	Lower	Upper
129	100		
127	78.5	39.0	117.0





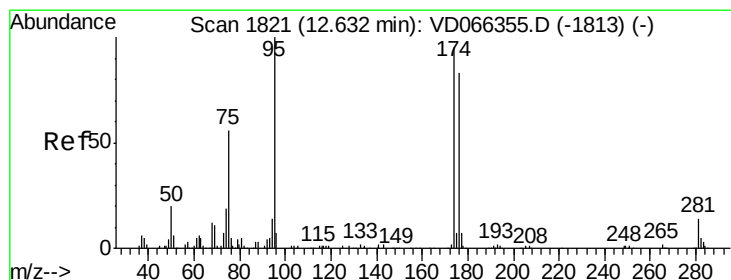
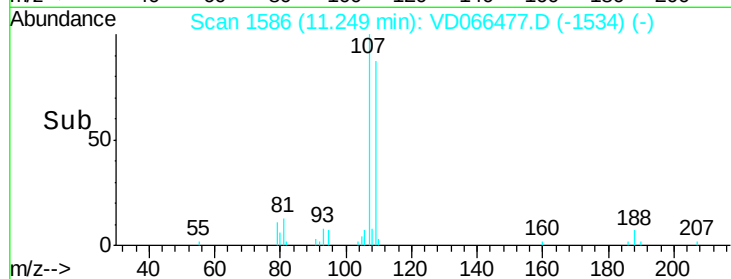
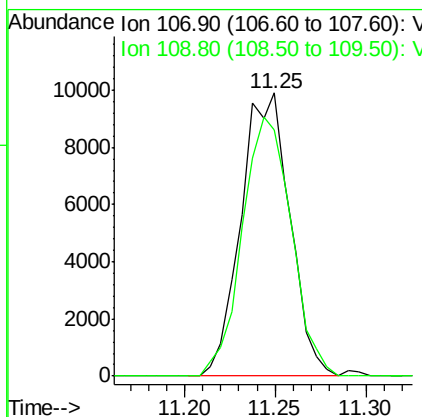
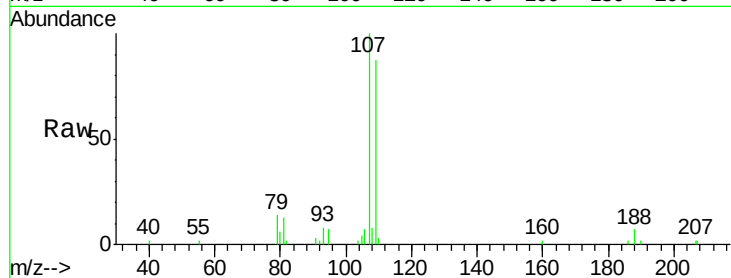
#61
 1,2-Dibromoethane
 Concen: 19.227 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	77.8	116.8

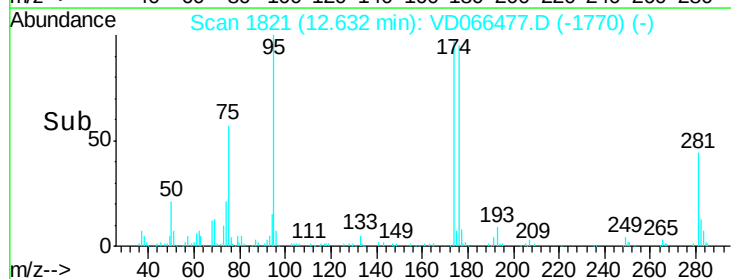
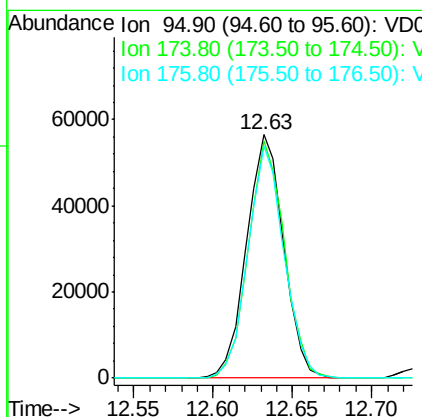
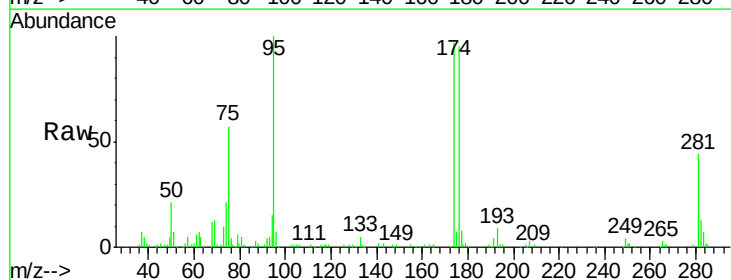
Manual Integrations
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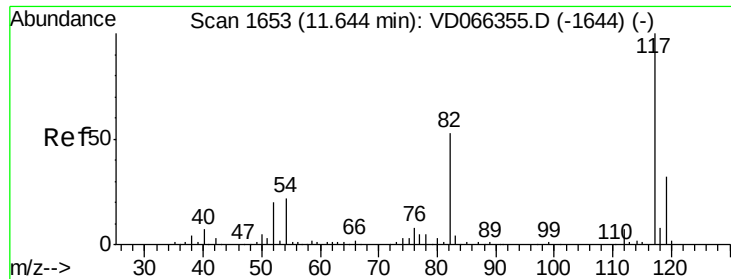
MMDadoda
 9/1/2020 12:38:52 PM



#62
 4-Bromofluorobenzene
 Concen: 52.793 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.3	0.0	183.4
176	93.0	0.0	173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

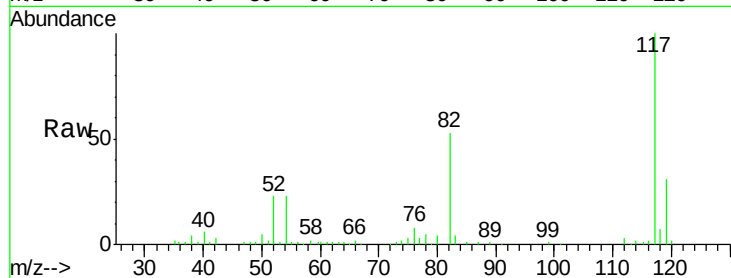
ClientSampleId :

VD0831SBS01

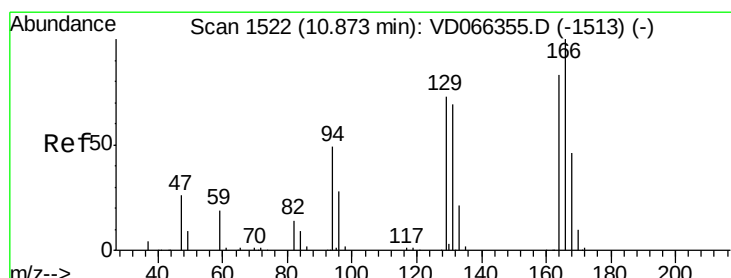
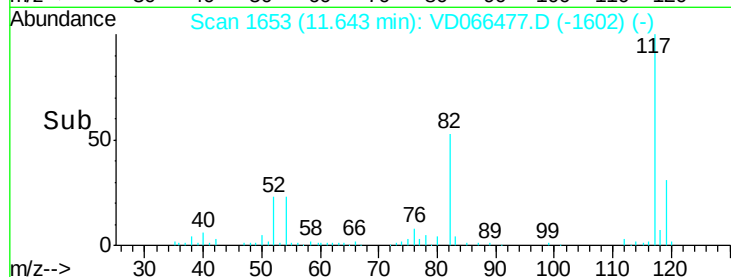
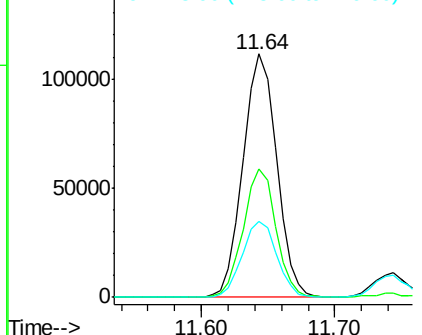
Tot Ion:	117	Resp:	195104
Ion Ratio	Lower	Upper	
117	100		
82	52.7	42.8	64.2
119	31.3	25.8	38.8

Manual Integrations
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.951 ug/l

RT: 10.87 min Scan# 1522

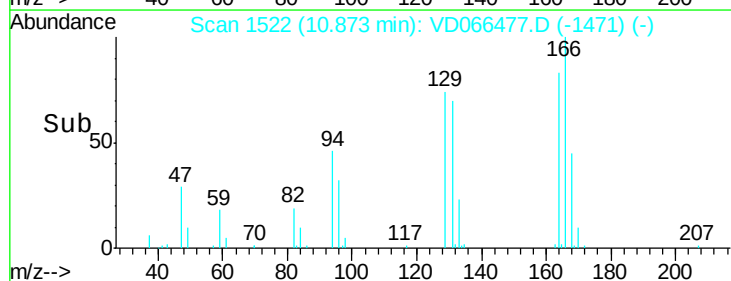
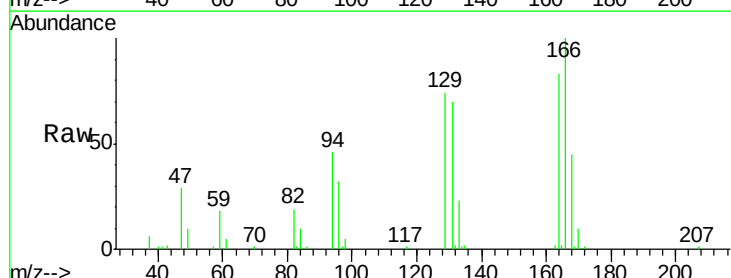
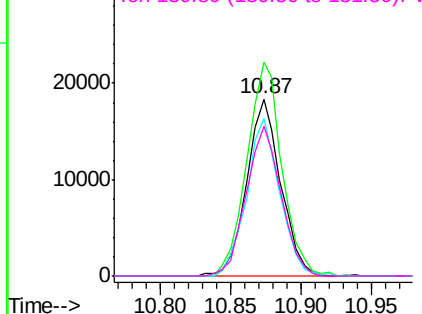
Delta R.T. -0.00 min

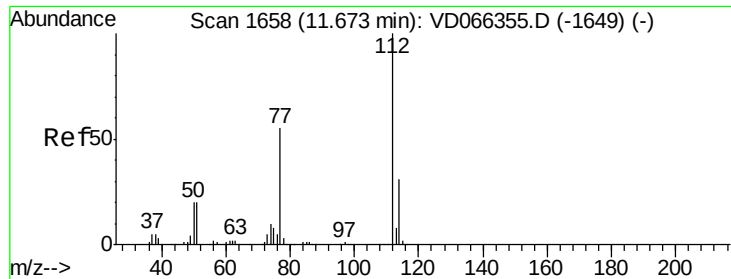
Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Tgt Ion:	164	Resp:	31008
Ion Ratio	Lower	Upper	
164	100		
166	120.8	96.2	144.4
129	89.0	70.3	105.5
131	84.4	66.4	99.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





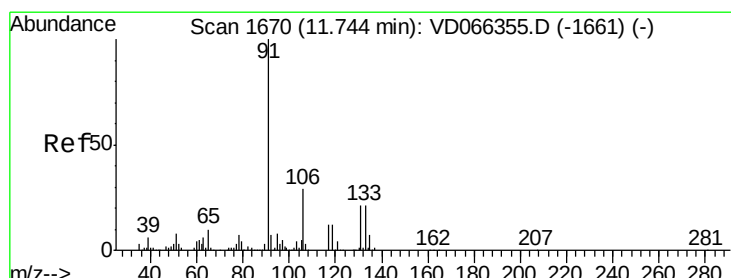
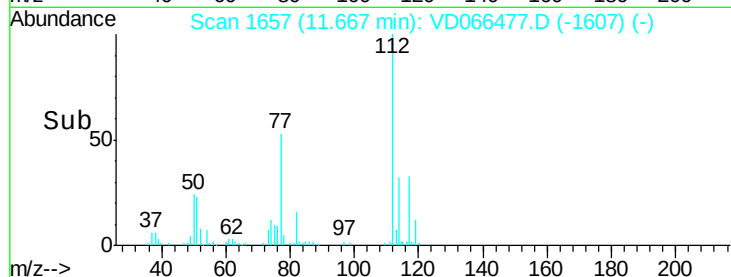
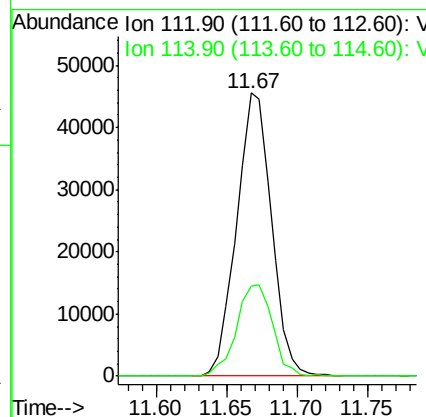
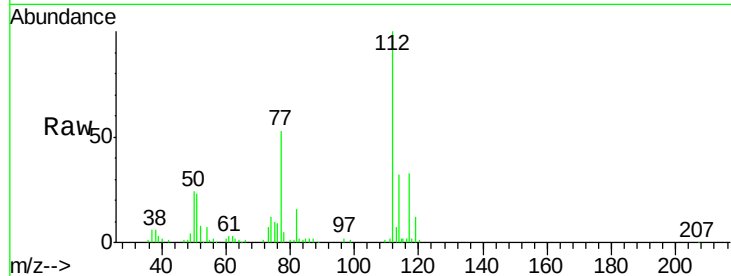
#65
Chlorobenzene
Concen: 20.239 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion:112 Resp: 78559
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7

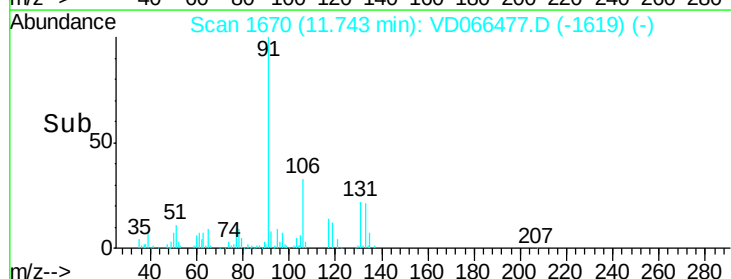
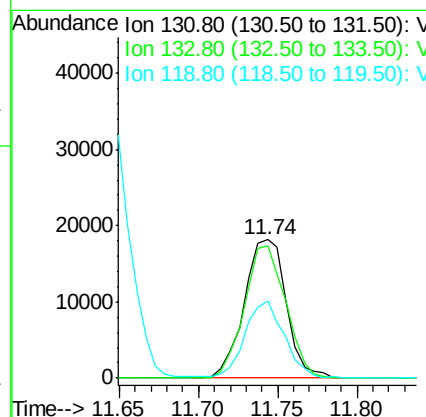
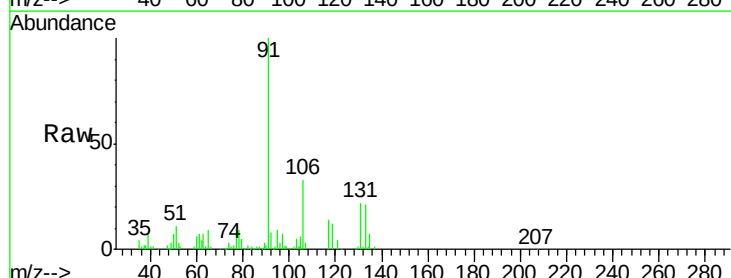
Manual Integrations
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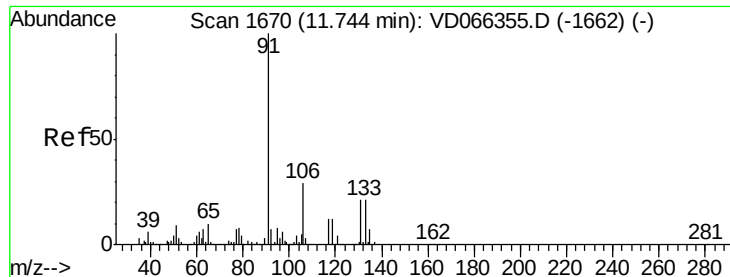
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.092 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tgt Ion:131 Resp: 33458
Ion Ratio Lower Upper
131 100
133 94.1 48.6 145.9
119 52.5 29.0 87.1





#67

Ethyl Benzene

Concen: 20.058 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 91 Resp: 137046

Ion Ratio Lower Upper

91 100

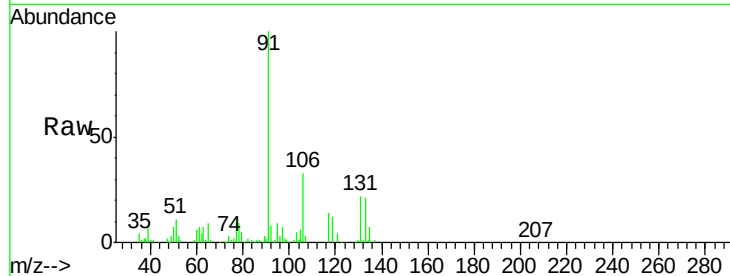
106 32.7 23.4 35.2

Manual Integrations

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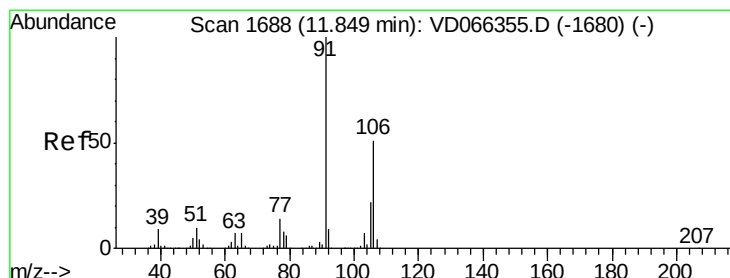
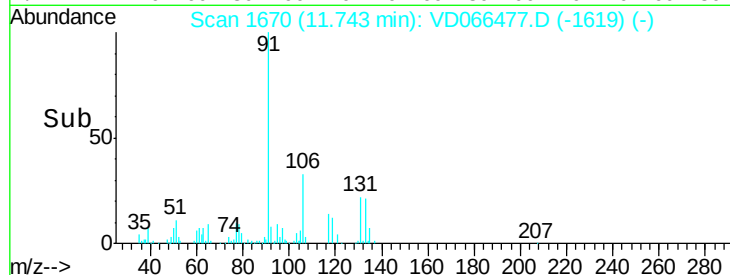
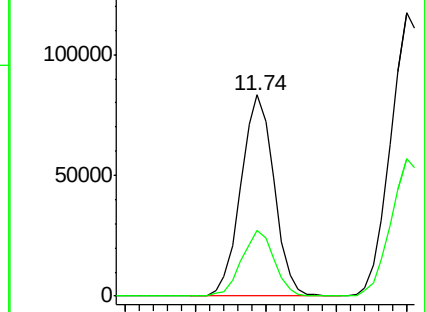
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD066477.D (-1619) (-)

Ion 106.00 (105.70 to 106.70): VD066477.D (-1619) (-)



#68

m/p-Xylenes

Concen: 41.815 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066477.D

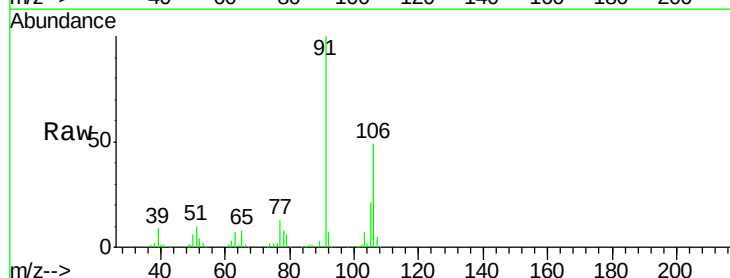
Acq: 31 Aug 2020 12:14

Tgt Ion: 106 Resp: 108899

Ion Ratio Lower Upper

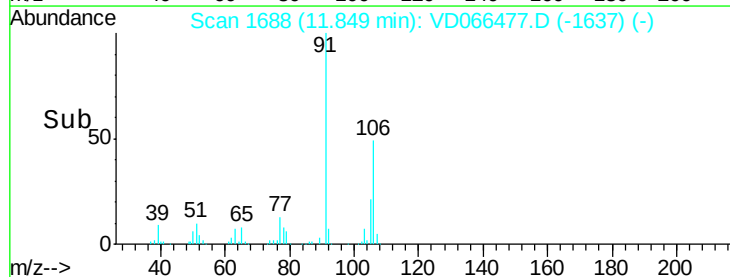
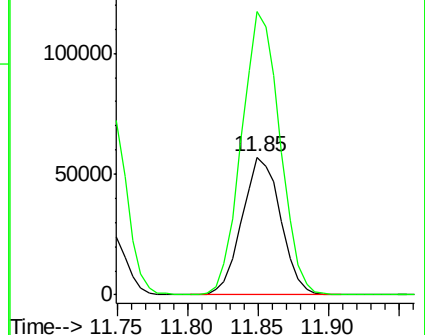
106 100

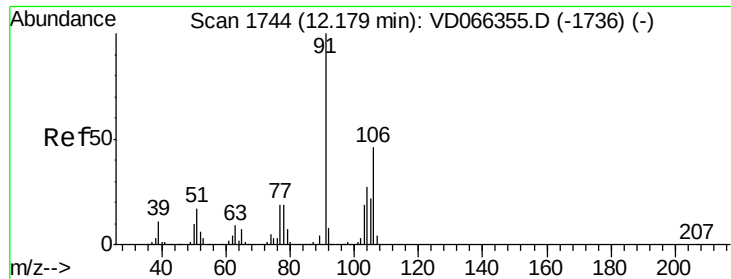
91 204.8 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): VD066477.D (-1637) (-)

Ion 91.00 (90.70 to 91.70): VD066477.D (-1637) (-)





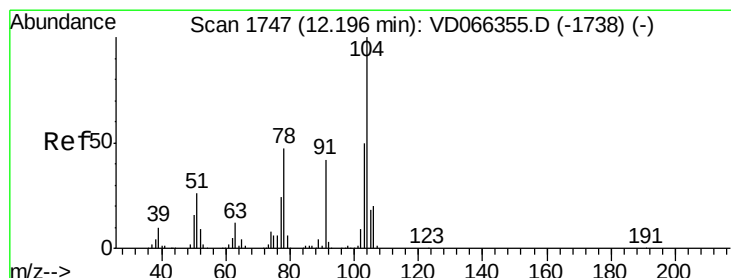
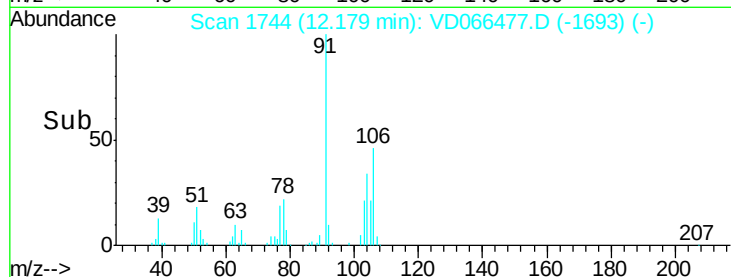
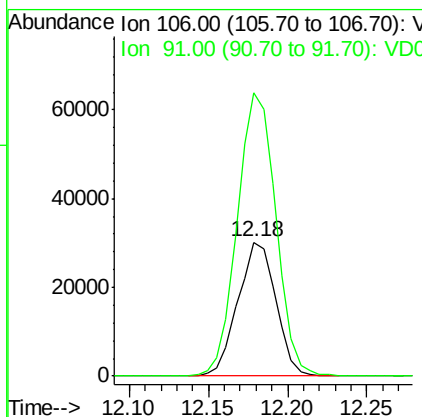
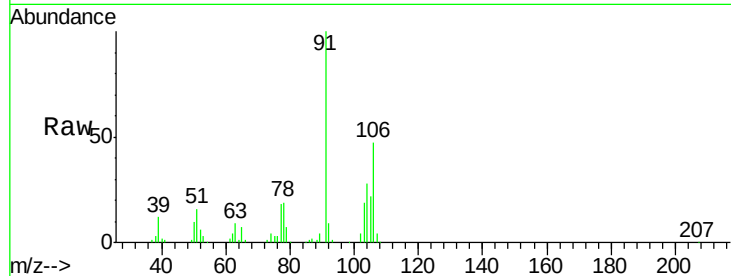
#69
o-Xylene
Concen: 20.712 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	50179		
91	91	214.9	109.1	327.3	

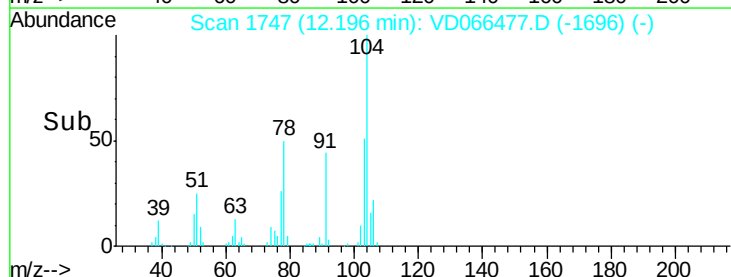
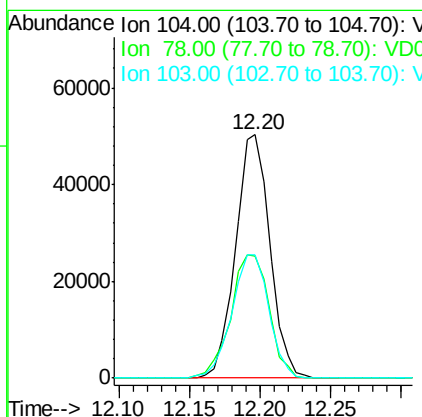
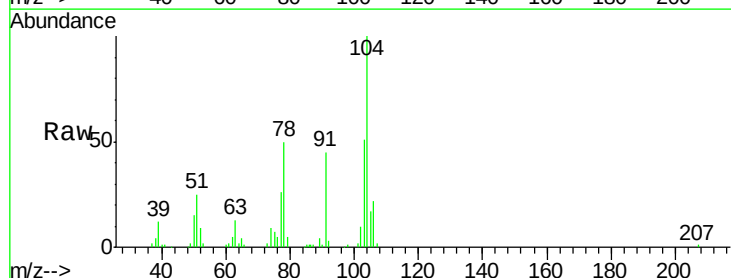
Manual Integrations
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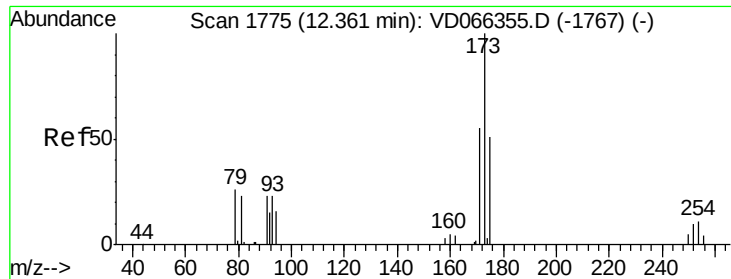
MMDadoda
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#70
Styrene
Concen: 20.540 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	85447		
78	78	56.3	41.7	62.5	
103	103	54.9	43.5	65.3	





#71

Bromoform

Concen: 19.958 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBSD01

Tot Ion:173 Resp: 17962

Ion Ratio Lower Upper

173 100

175 51.0 24.8 74.3

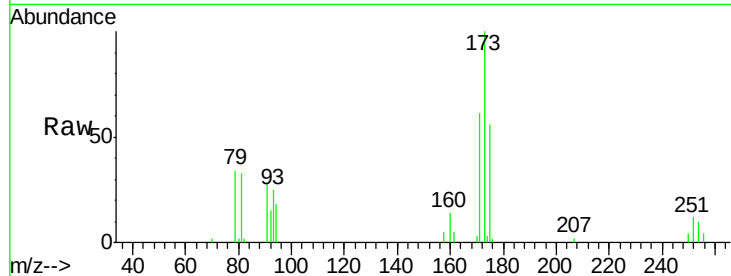
254 0.0 0.0 0.0

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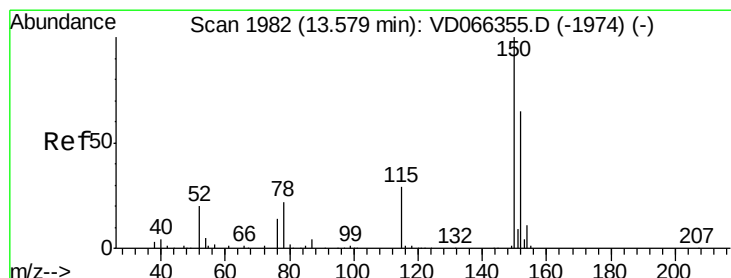
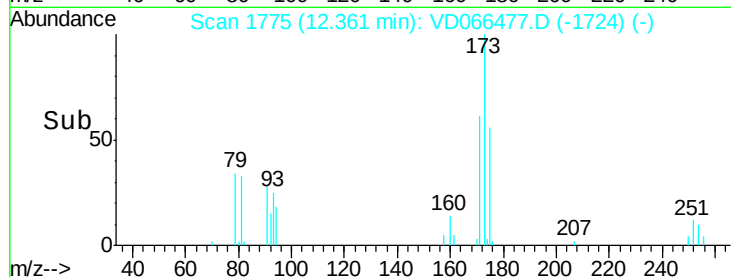
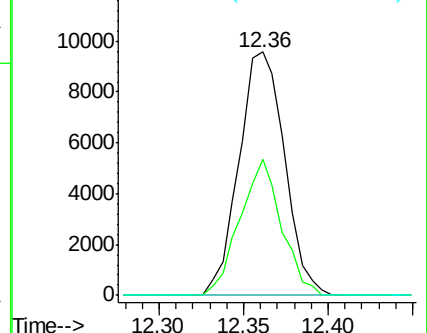
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

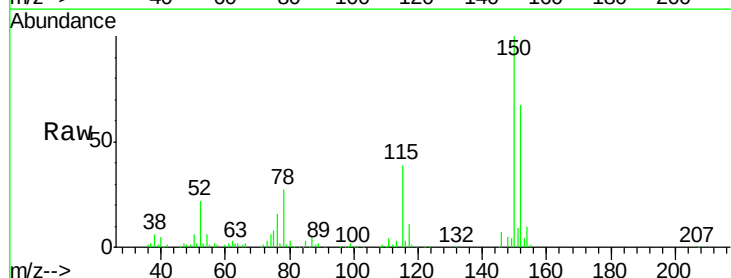
Tgt Ion:152 Resp: 107086

Ion Ratio Lower Upper

152 100

115 58.5 28.3 85.0

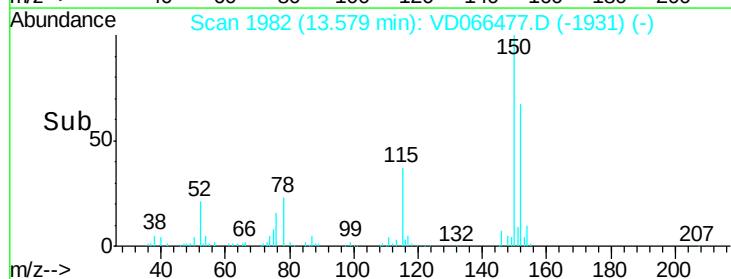
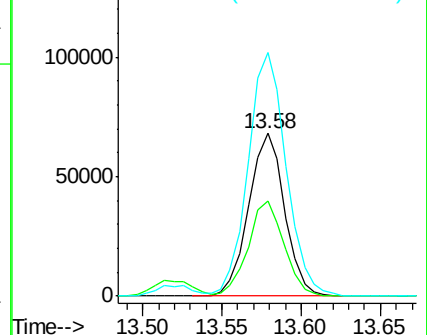
150 159.0 0.0 343.2

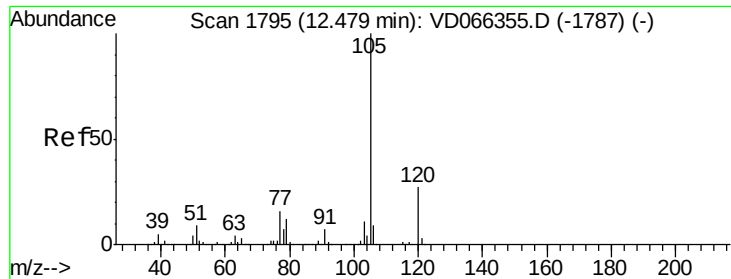


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.799 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 105 Resp: 142034

Ion Ratio Lower Upper

105 100

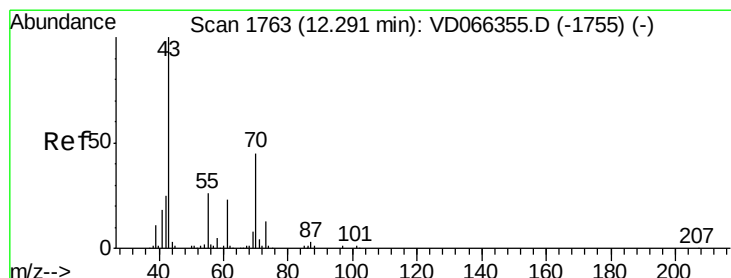
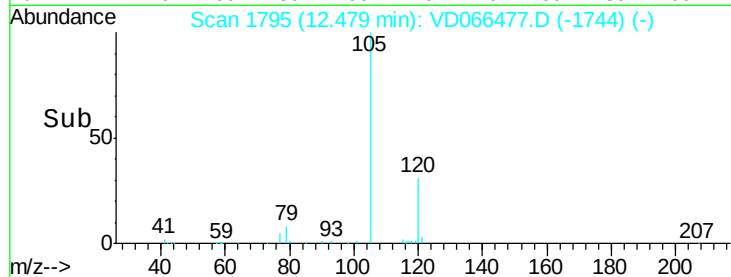
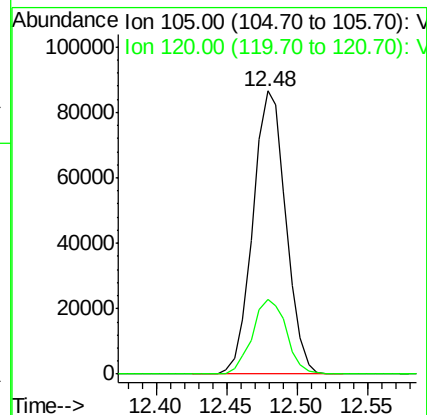
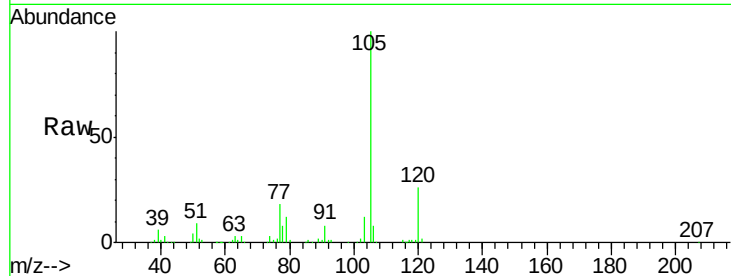
120 27.2 13.6 40.8

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#74

N-ethyl acetate

Concen: 17.121 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Tgt Ion: 43 Resp: 22183

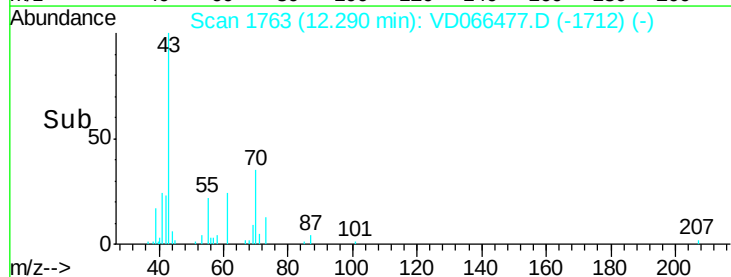
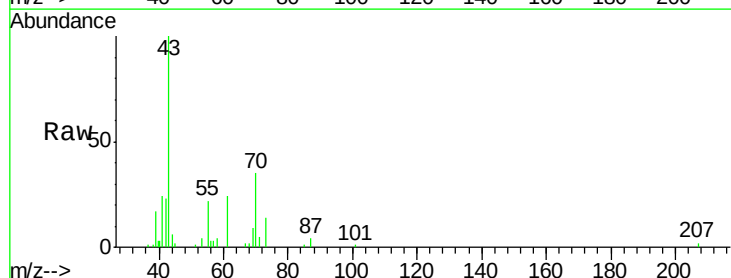
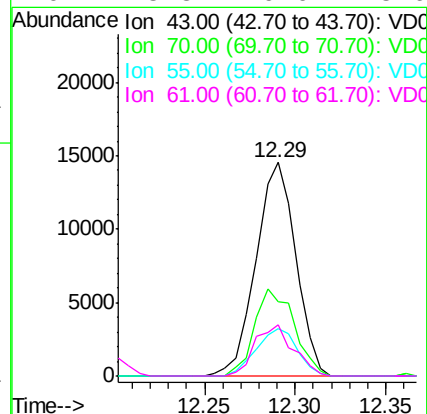
Ion Ratio Lower Upper

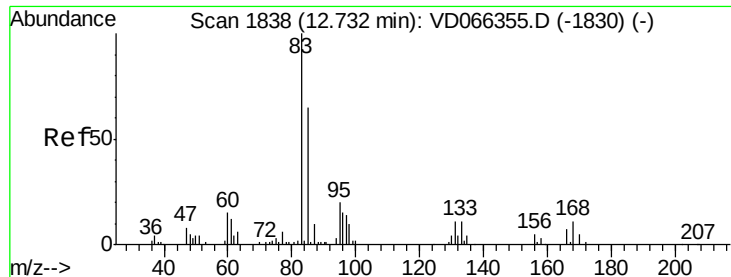
43 100

70 40.7 34.8 52.2

55 23.0 20.3 30.5

61 23.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.226 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

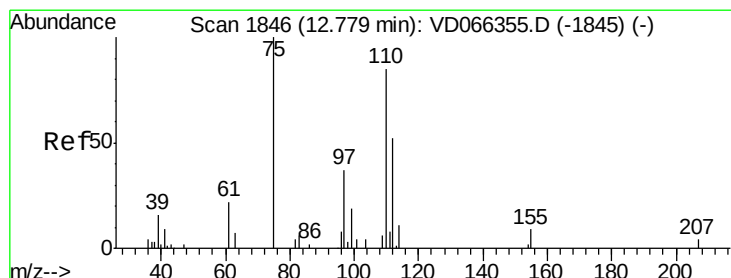
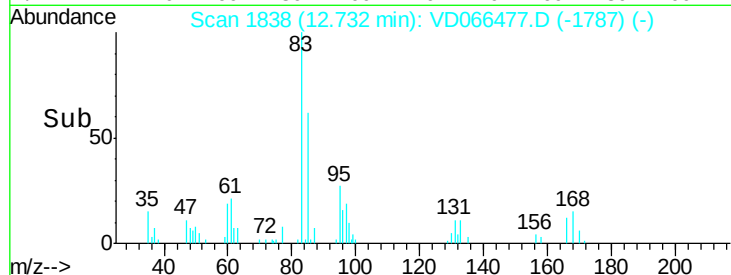
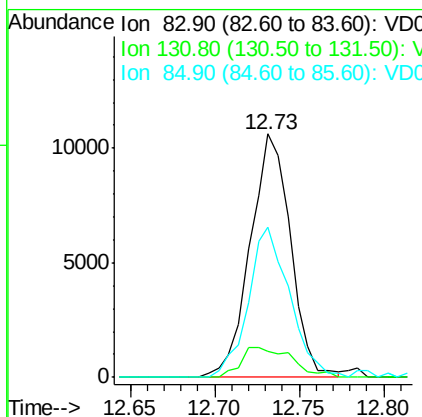
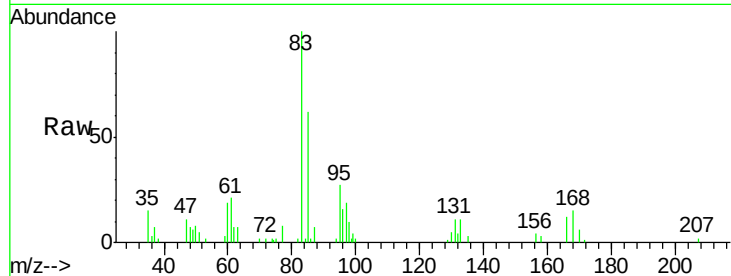
ClientSampleId :

VD0831SBS01

Tot Ion:	83	Resp:	17653
Ion Ratio	Lower	Upper	
83	100		
131	15.8	7.0	20.9
85	63.1	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.736 ug/l m

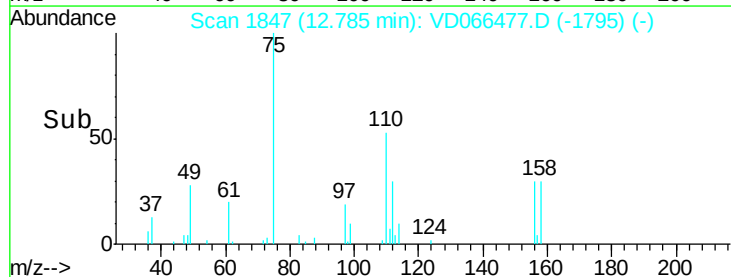
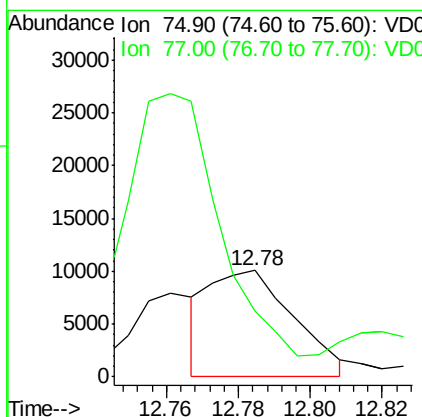
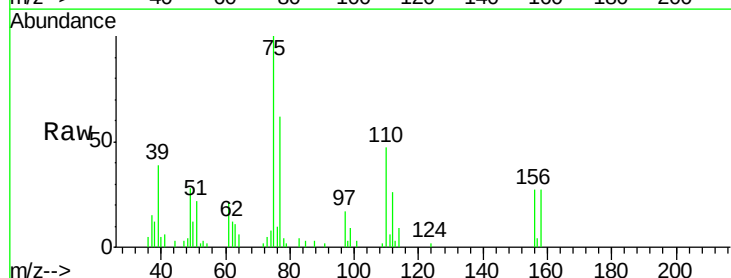
RT: 12.78 min Scan# 1847

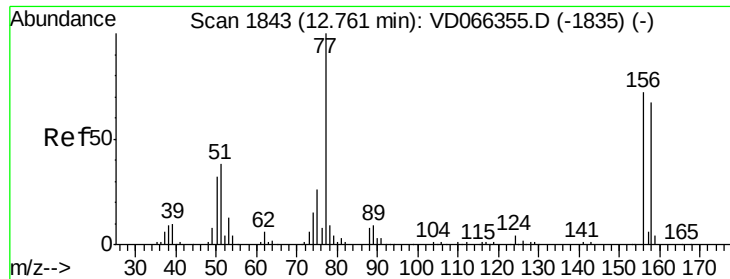
Delta R.T. 0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Tgt Ion:	75	Resp:	16375
Ion Ratio	Lower	Upper	
75	100		
77	0.0	182.9	548.9#





#77

Bromobenzene

Concen: 19.964 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

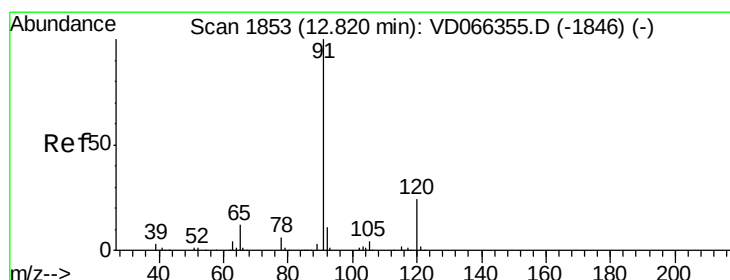
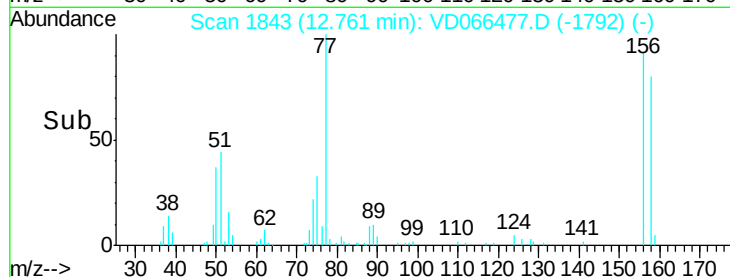
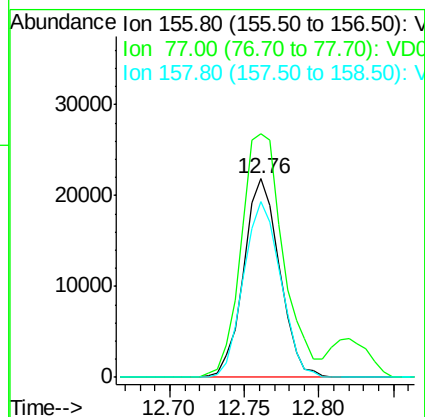
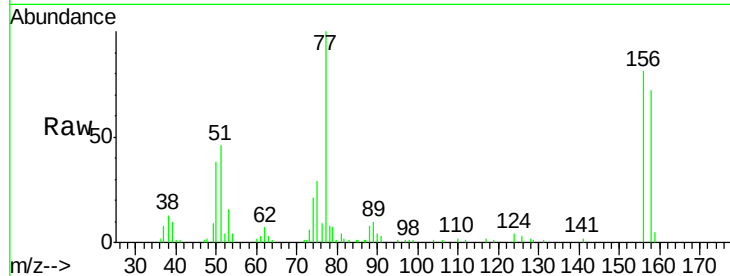
ClientSampleId :

VD0831SBS01

Tot Ion:	156	Resp:	36350
Ion	Ratio	Lower	Upper
156	100		
77	143.5	76.1	228.3
158	91.4	47.6	142.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.071 ug/l

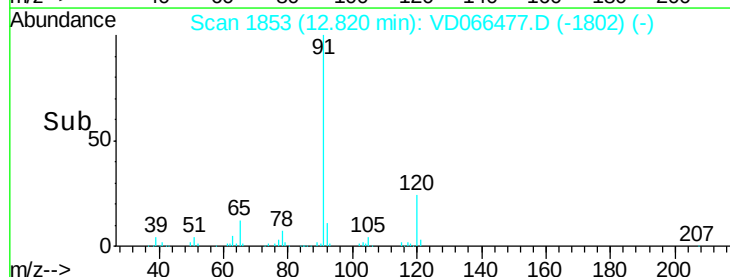
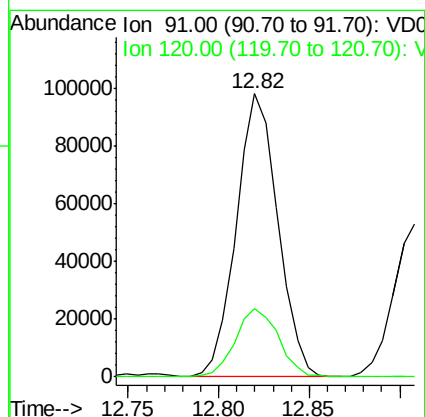
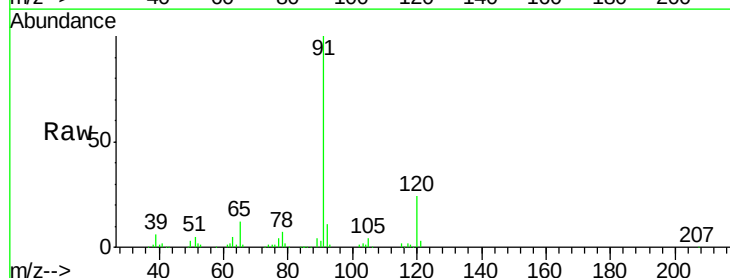
RT: 12.82 min Scan# 1853

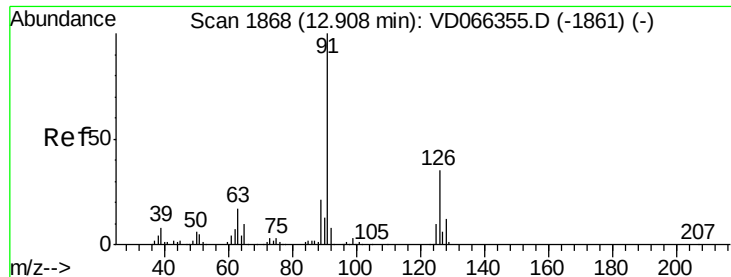
Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Tgt Ion:	91	Resp:	156865
Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.0	36.0





#79

2-Chlorotoluene

Concen: 18.540 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 91 Resp: 87095

Ion Ratio Lower Upper

91 100

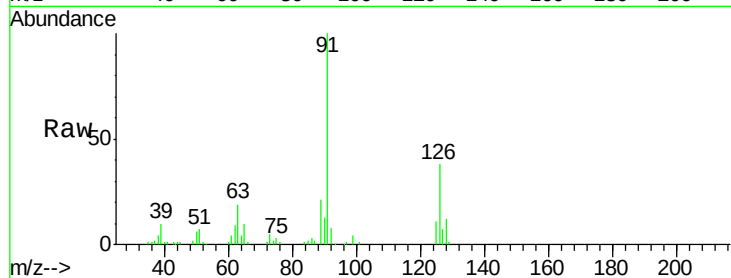
126 37.5 17.7 53.1

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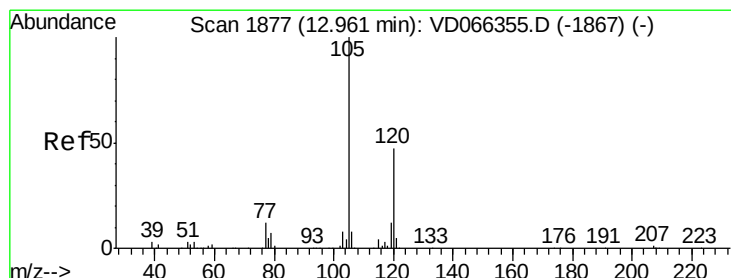
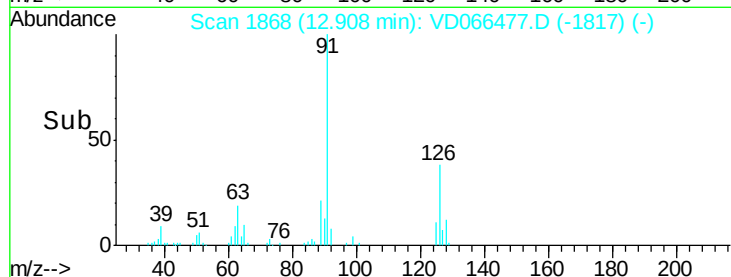
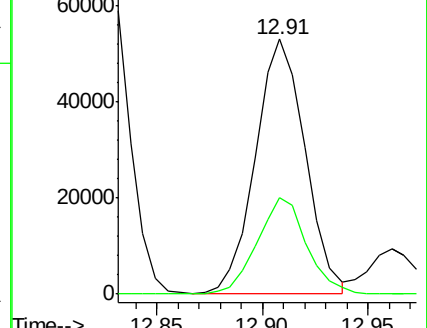
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Abundance Ion 91.00 (90.70 to 91.70): VD066477.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066477.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.497 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066477.D

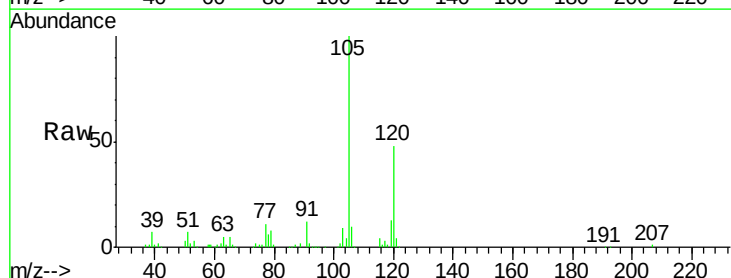
Acq: 31 Aug 2020 12:14

Tgt Ion:105 Resp: 126953

Ion Ratio Lower Upper

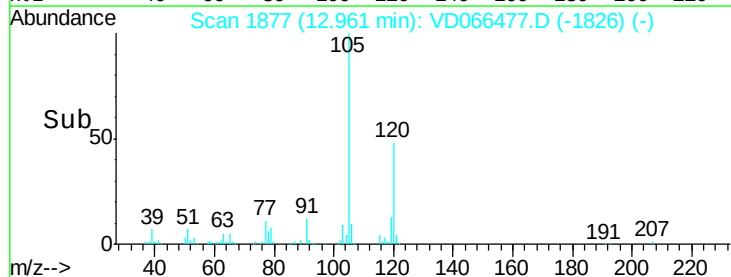
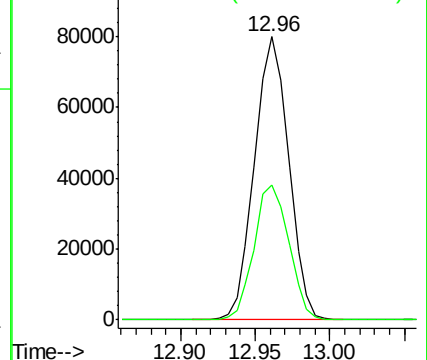
105 100

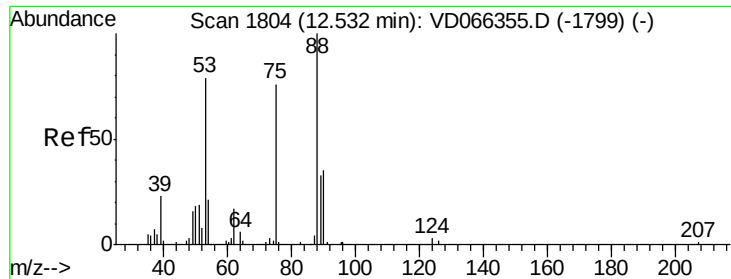
120 48.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VD066477.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066477.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.430 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

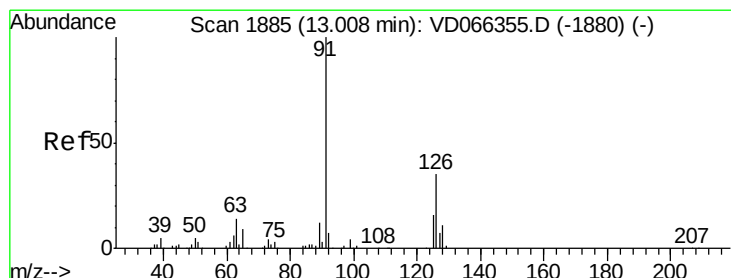
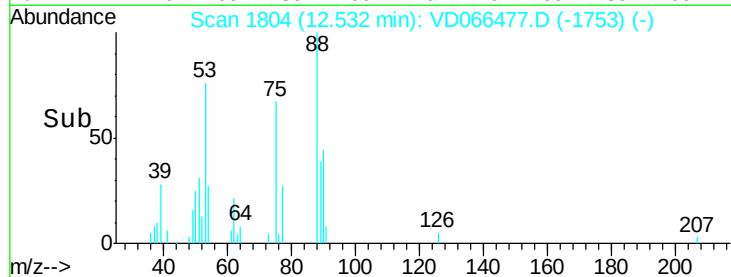
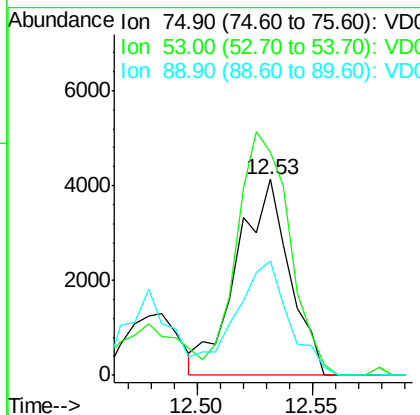
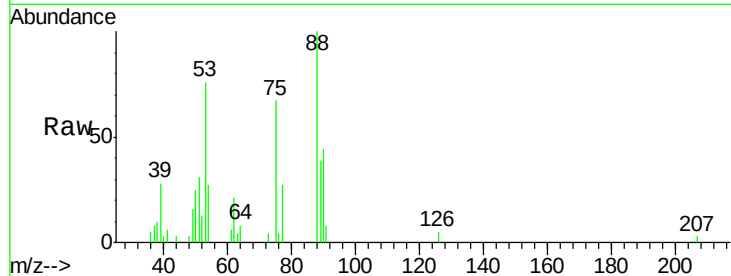
ClientSampleId :

VD0831SBS01

Tot Ion:	75	Resp:	6541
Ion	Ratio	Lower	Upper
75	100		
53	123.8	87.4	131.2
89	54.8	39.4	59.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.294 ug/l

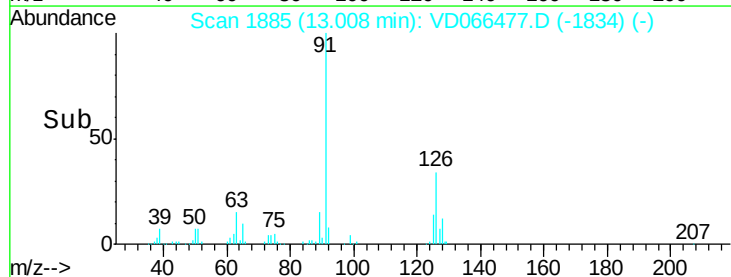
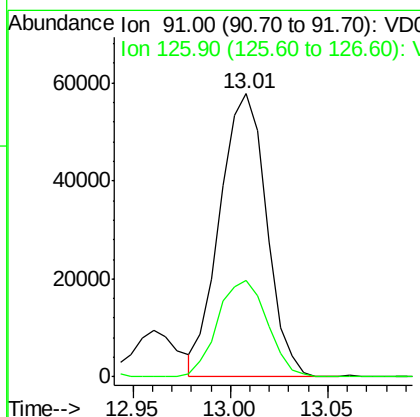
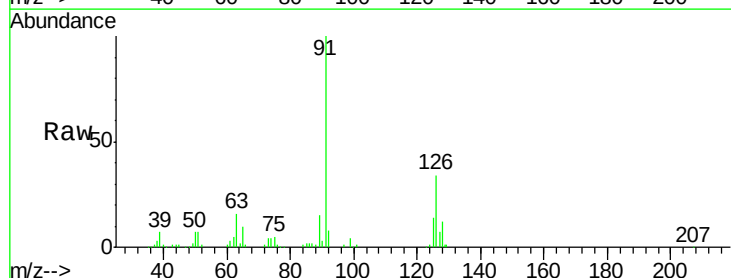
RT: 13.01 min Scan# 1885

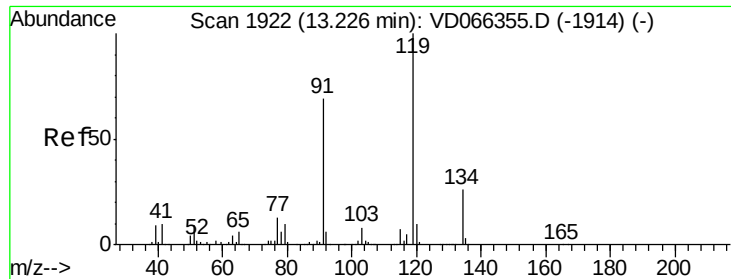
Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Tgt Ion:	91	Resp:	96029
Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.4	52.2





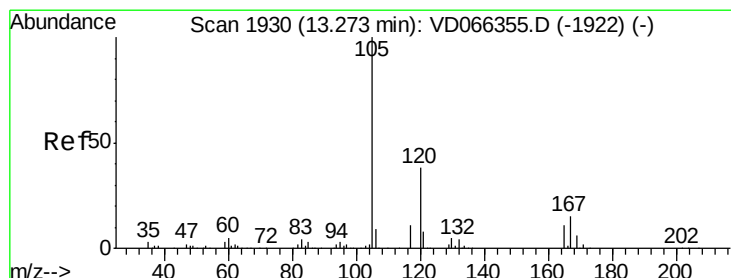
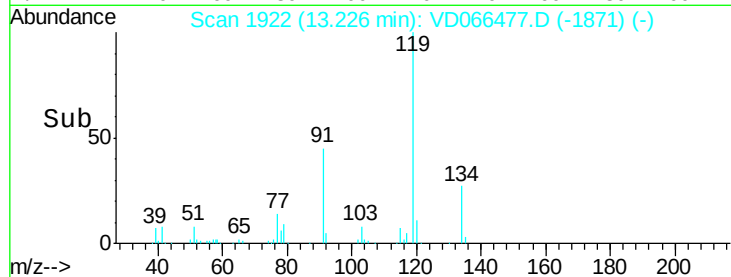
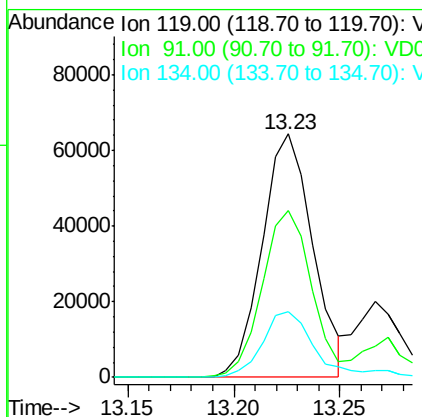
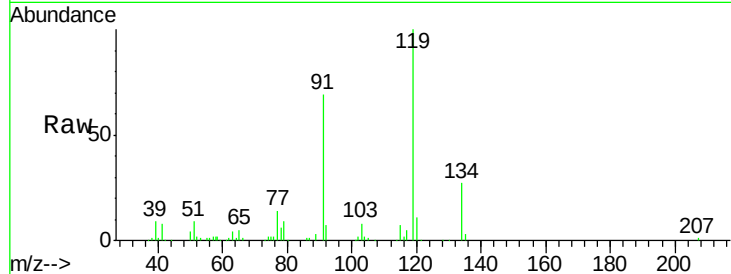
#83
 tert-Butylbenzene
 Concen: 19.967 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.5	100.5
134	27.2	13.5	40.4

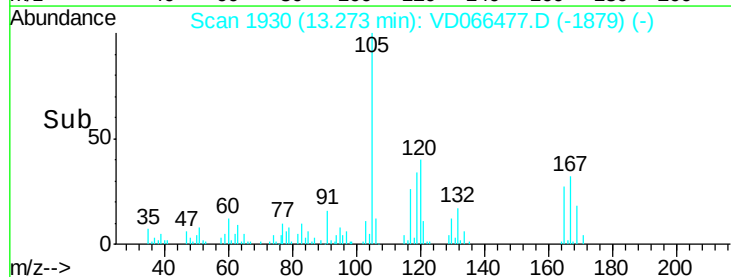
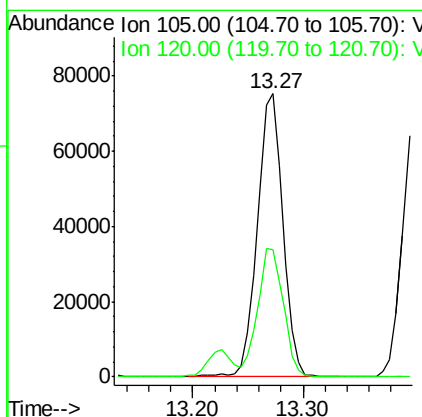
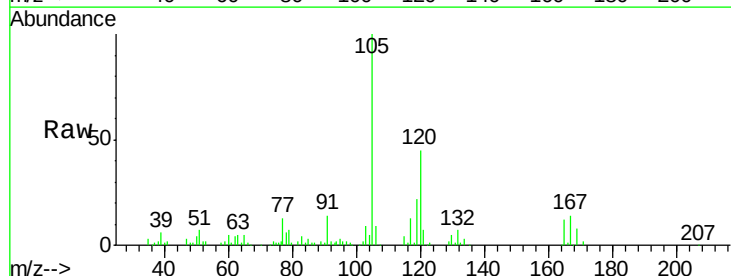
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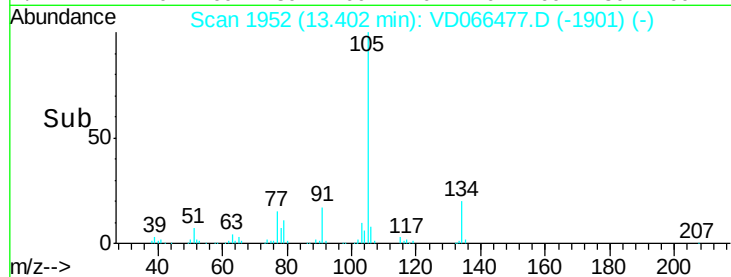
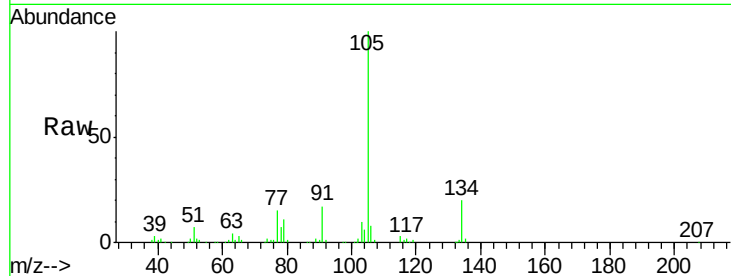
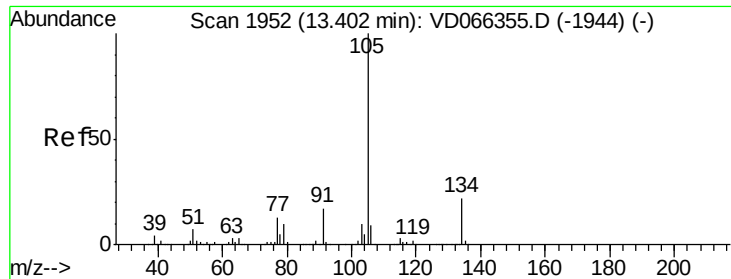
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.153 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.6	67.7





#85

sec-Butylbenzene

Concen: 19.384 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Tot Ion:105 Resp: 136631

Ion Ratio Lower Upper

105 100

134 22.2 10.8 32.4

Instrument :

MSVOA_D

ClientSampleId :

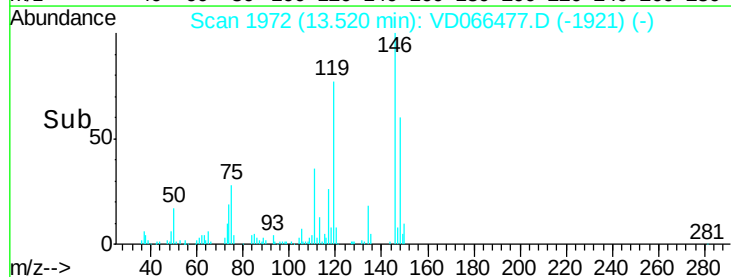
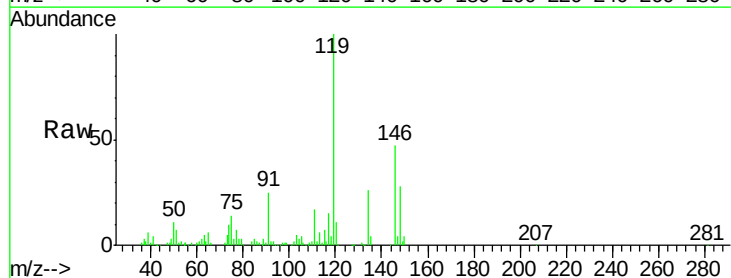
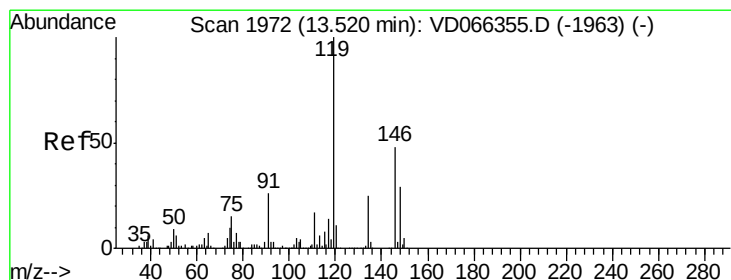
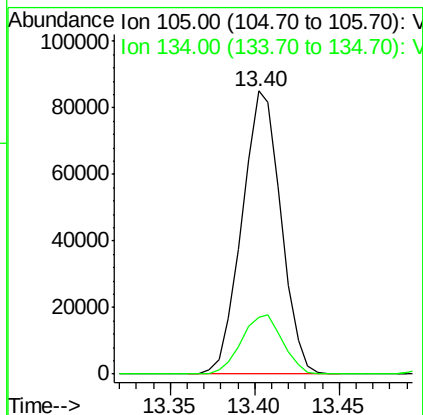
VD0831SBS01

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#86

p-Isopropyltoluene

Concen: 20.334 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

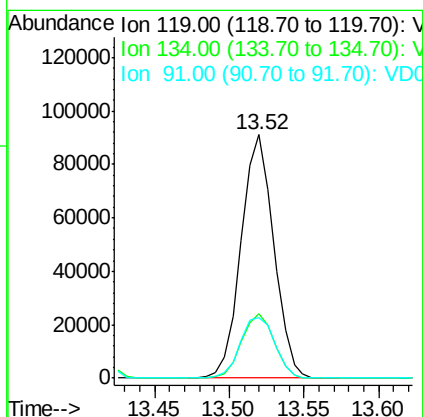
Tgt Ion:119 Resp: 138201

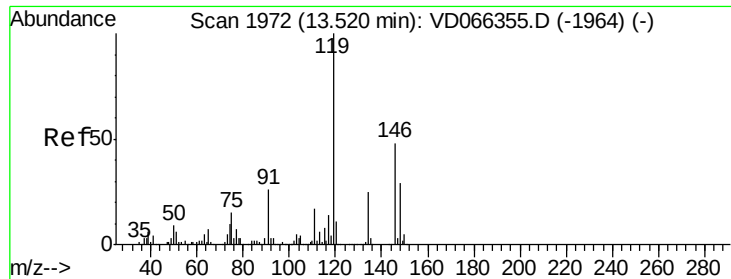
Ion Ratio Lower Upper

119 100

134 26.3 12.8 38.3

91 26.5 12.7 38.0





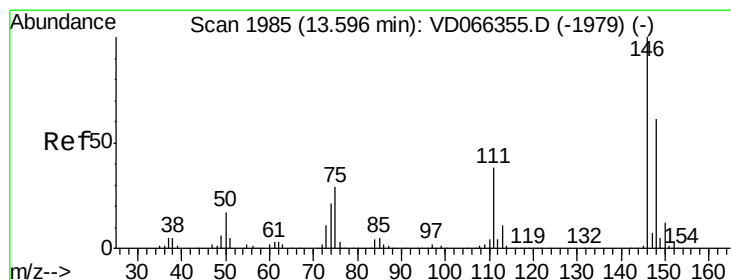
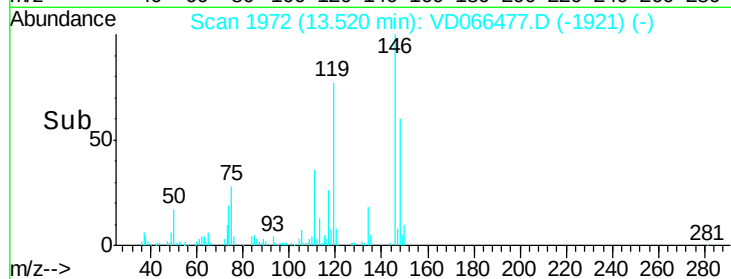
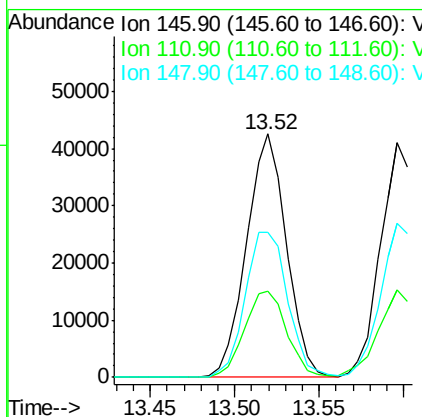
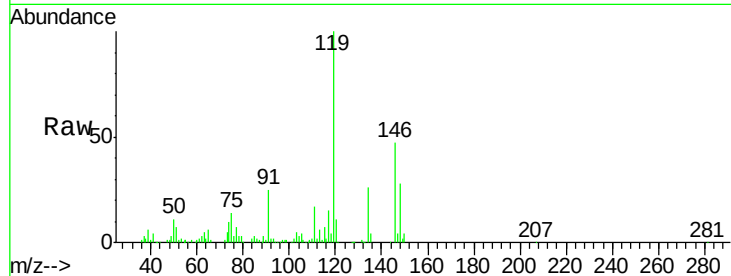
#87
 1,3-Dichlorobenzene
 Concen: 20.574 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.9
148	63.7	31.8	95.3

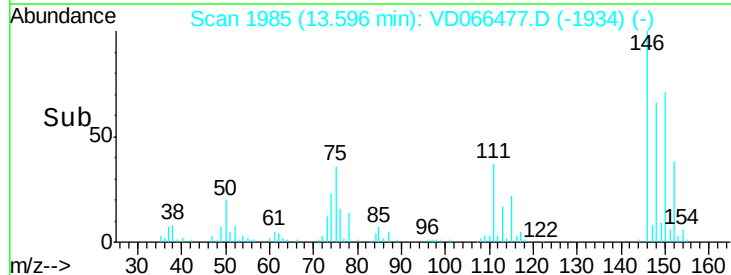
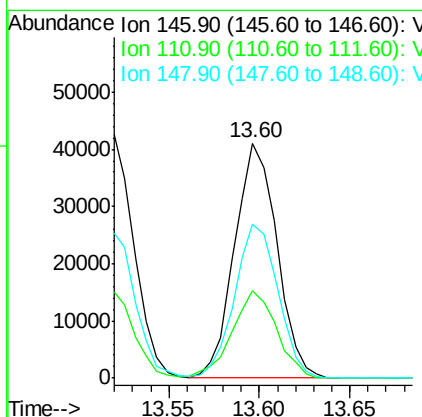
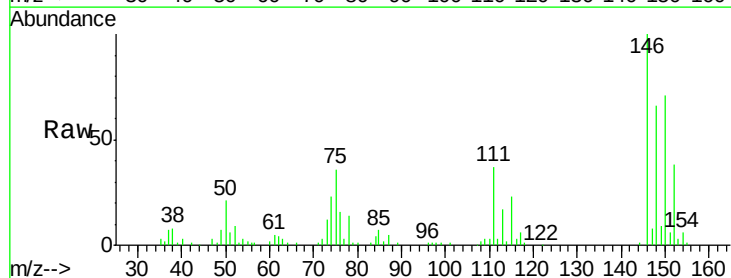
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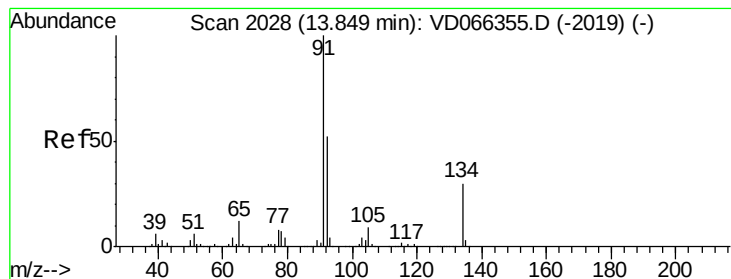
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#88
 1,4-Dichlorobenzene
 Concen: 19.625 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.5
148	67.0	32.1	96.3





#89

n-Butylbenzene

Concen: 19.508 ug/l

RT: 13.84 min Scan# 2027

Delta R.T. -0.01 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Instrument :

MSVOA_D

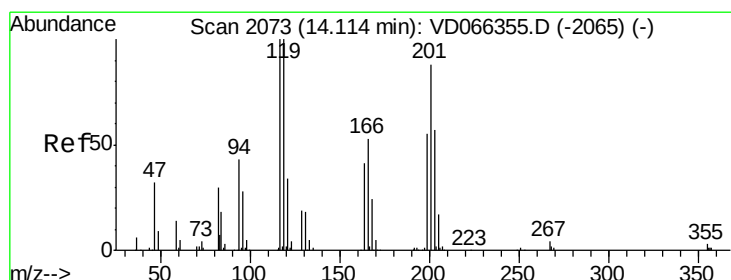
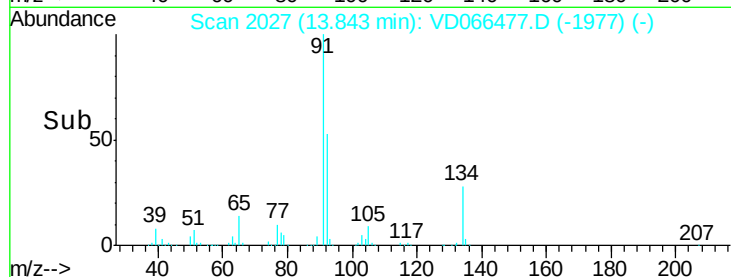
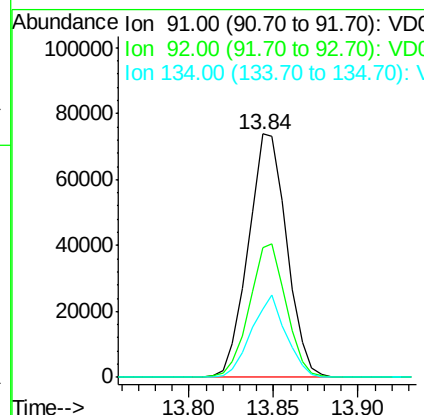
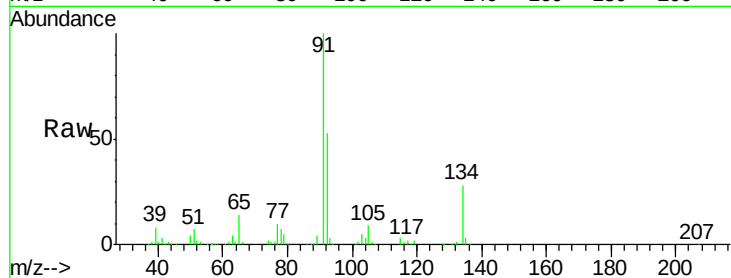
ClientSampleId :

VD0831SBS01

Tot Ion:	91	Resp:	117005
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.4	79.0
134	30.3	14.4	43.4

Manual Integrations
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#90

Hexachloroethane

Concen: 18.609 ug/l

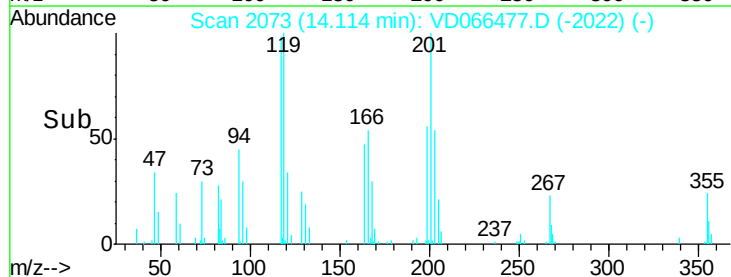
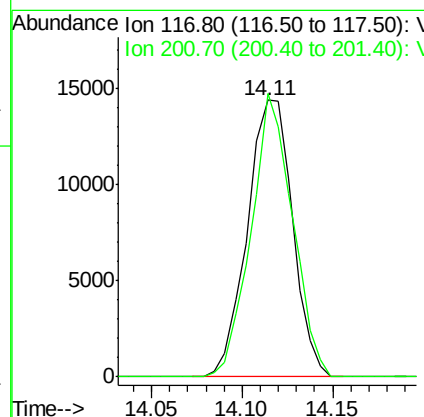
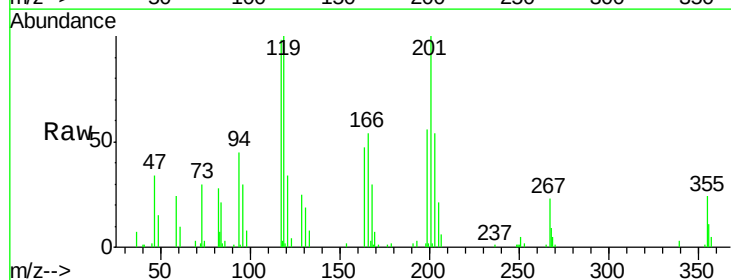
RT: 14.11 min Scan# 2073

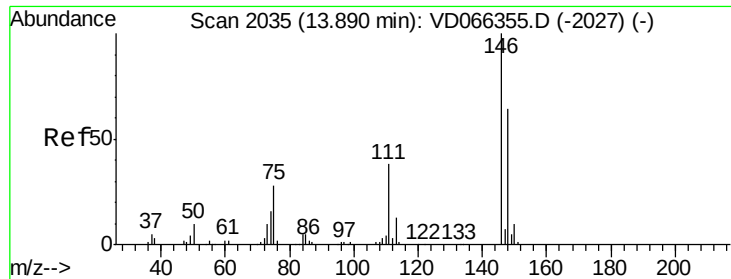
Delta R.T. -0.00 min

Lab File: VD066477.D

Acq: 31 Aug 2020 12:14

Tgt Ion:	117	Resp:	24985
Ion	Ratio	Lower	Upper
117	100		
201	93.5	45.4	136.2





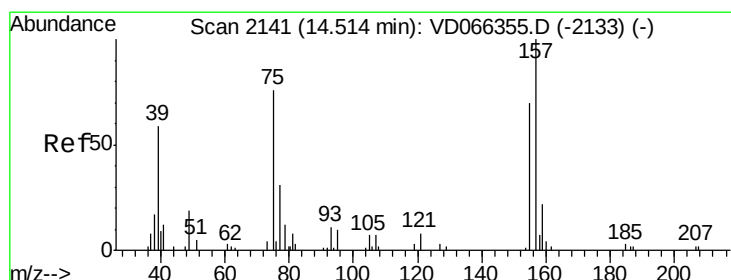
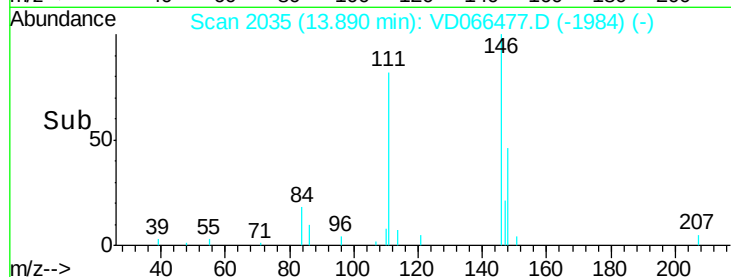
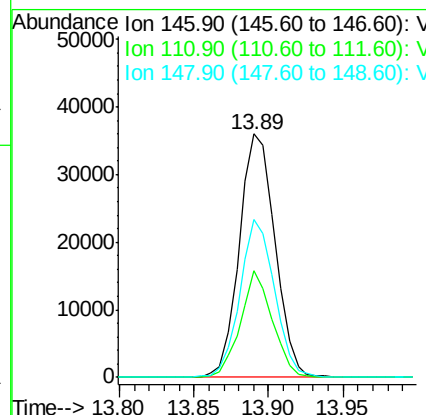
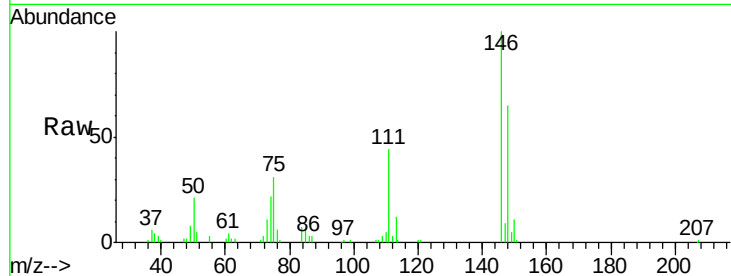
#91
 1,2-Dichlorobenzene
 Concen: 20.406 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.9	59.7
148	62.8	32.6	97.8

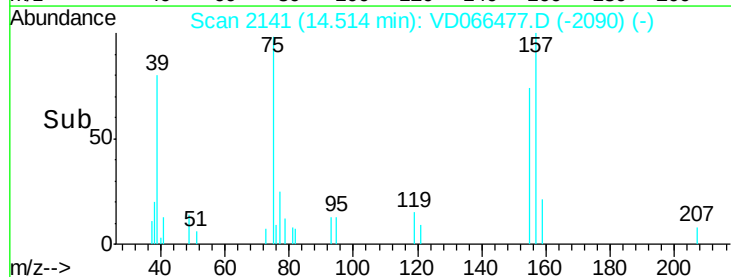
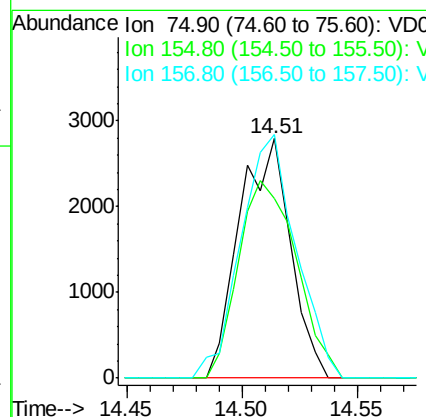
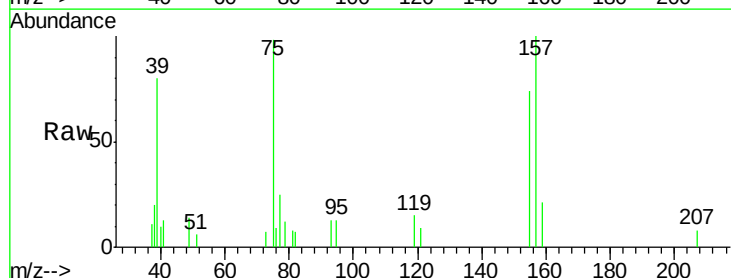
Manual Integrations
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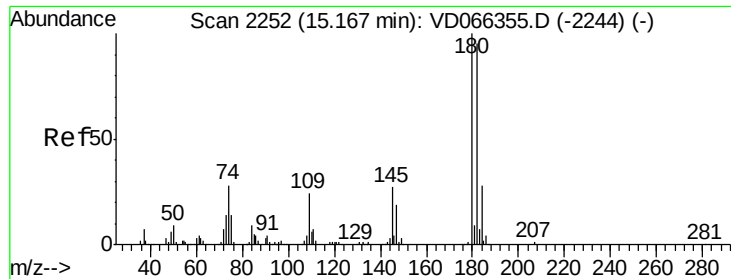
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 9/1/2020 12:38:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.044 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	46.9	140.6
157	109.5	61.0	183.0





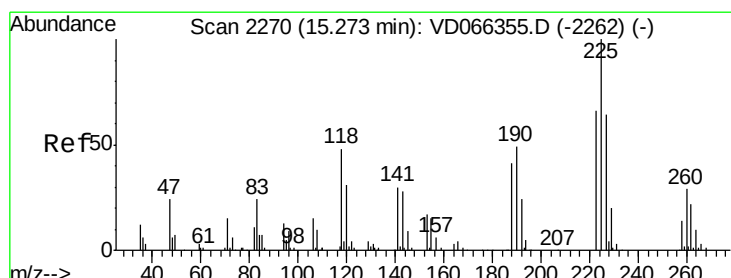
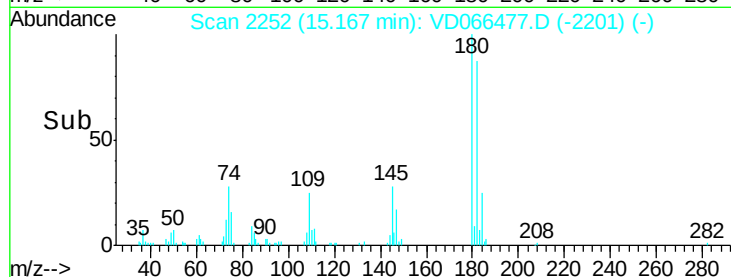
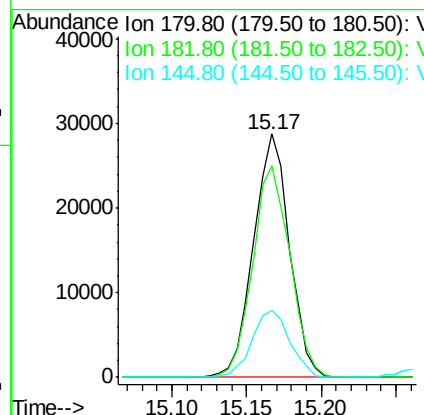
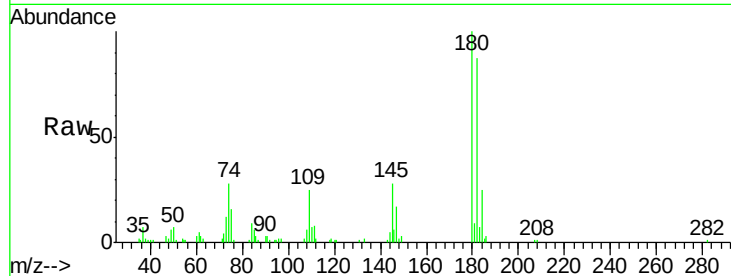
#93
 1,2,4-Trichlorobenzene
 Concen: 20.817 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.4	48.0	144.0
145	29.2	15.2	45.6

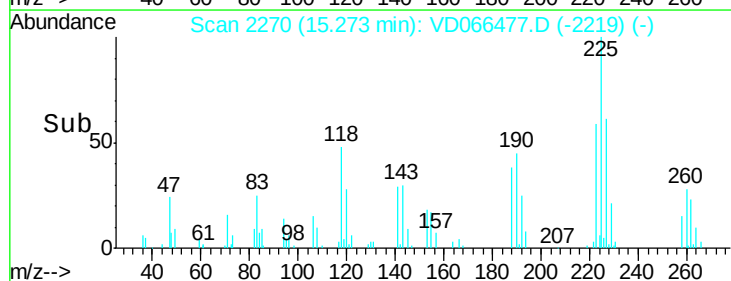
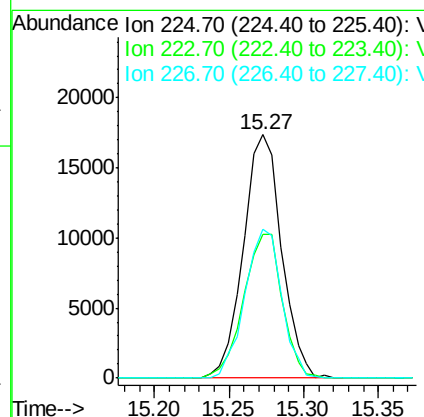
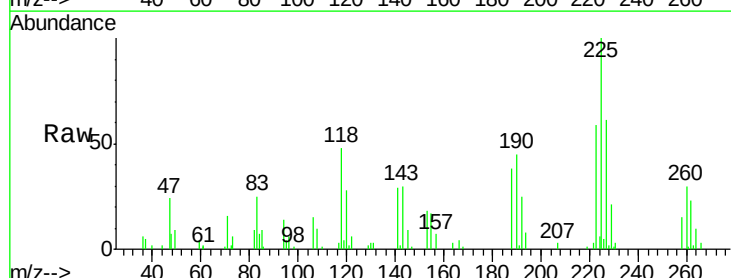
Manual Integrations
 APPROVED

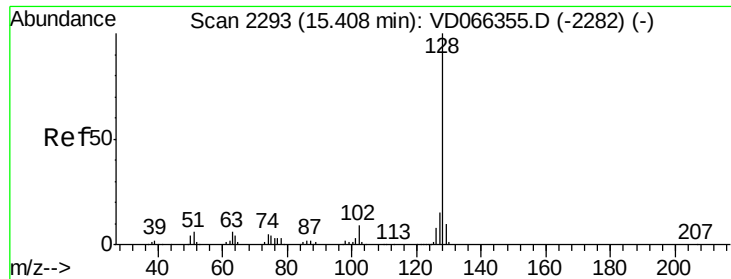
MMDadoda
 9/1/2020 12:38:52 PM



#94
 Hexachlorobutadiene
 Concen: 21.667 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066477.D
 Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.8	32.5	97.4
227	59.0	33.0	98.9





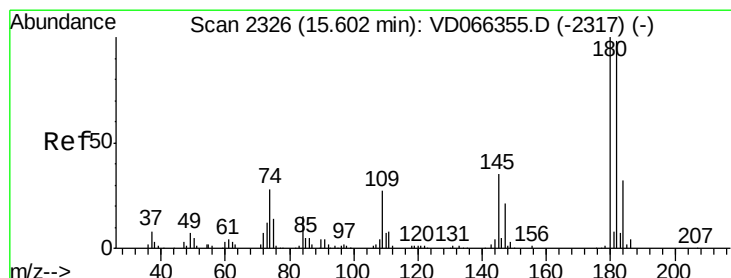
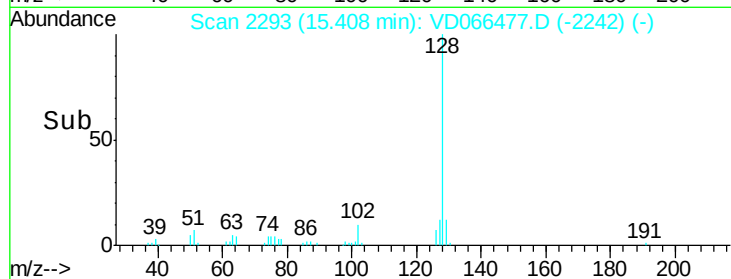
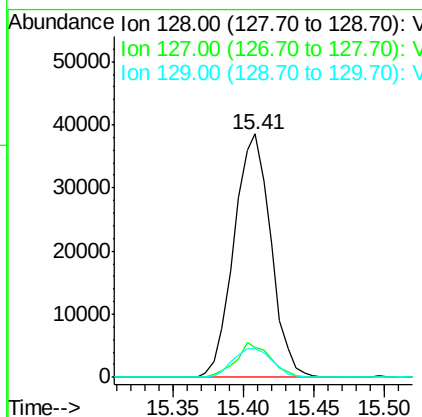
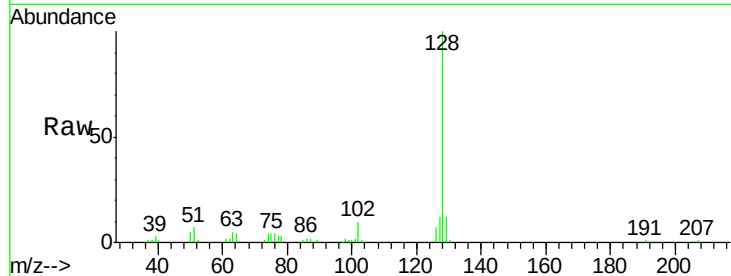
#95
Naphthalene
Concen: 19.607 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	12.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/1/2020 12:38:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.982 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066477.D
Acq: 31 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.7	140.0
145	32.7	16.0	48.0

