

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066515.D
 Acq On : 02 Sep 2020 11:22
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 4:57:10 PM

Quant Time: Sep 02 14:16:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 14:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	171609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	237959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	217948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	116853	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	9659	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
35) Dibromofluoromethane	7.91	113	7276	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	
50) Toluene-d8	10.33	98	26623	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
62) 4-Bromofluorobenzene	12.63	95	9803	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	8324	5.686	ug/l 92
3) Chloromethane	2.21	50	5214	5.924	ug/l 89
4) Vinyl Chloride	2.35	62	5564	5.184	ug/l 97
5) Bromomethane	2.77	94	4746	5.410	ug/l 90
6) Chloroethane	2.92	64	3667	5.078	ug/l 92
7) Trichlorofluoromethane	3.26	101	17604	5.381	ug/l 93
8) Diethyl Ether	3.71	74	3450	5.626	ug/l 78
9) 1,1,2-Trichlorotrifluoroet	4.10	101	7968	5.848	ug/l 90
10) Methyl Iodide	4.30	142	6345	4.200	ug/l # 91
11) Tert butyl alcohol	5.19	59	5462	40.624	ug/l # 76
12) 1,1-Dichloroethene	4.06	96	6709	5.240	ug/l 85
13) Acrolein	3.92	56	1550	25.857	ug/l # 70
14) Allyl chloride	4.71	41	6626	4.630	ug/l # 19
15) Acrylonitrile	5.41	53	5074	23.075	ug/l # 85
16) Acetone	4.16	43	7370	27.002	ug/l 94
17) Carbon Disulfide	4.40	76	19594	5.296	ug/l 98
18) Methyl Acetate	4.72	43	2225	5.072	ug/l # 84
19) Methyl tert-butyl Ether	5.48	73	16314	4.883	ug/l 96
20) Methylene Chloride	4.97	84	11244	7.059	ug/l # 81
21) trans-1,2-Dichloroethene	5.47	96	7485	5.111	ug/l # 91
22) Diisopropyl ether	6.37	45	13836	4.824	ug/l # 88
23) Vinyl Acetate	6.30	43	41838	22.687	ug/l 95
24) 1,1-Dichloroethane	6.26	63	11563	5.133	ug/l 99
25) 2-Butanone	7.22	43	7849	27.784	ug/l 97
26) 2,2-Dichloropropane	7.20	77	15195	5.323	ug/l 99
27) cis-1,2-Dichloroethene	7.20	96	8228	5.181	ug/l 99
28) Bromochloromethane	7.54	49	3248	4.983	ug/l # 92
29) Tetrahydrofuran	7.57	42	3493	24.052	ug/l # 79
30) Chloroform	7.71	83	14832	5.099	ug/l # 81
31) Cyclohexane	7.98	56	13038	6.698	ug/l 82
32) 1,1,1-Trichloroethane	7.90	97	16611	5.127	ug/l 97
36) 1,1-Dichloropropene	8.11	75	10408	4.990	ug/l 96
37) Ethyl Acetate	7.29	43	2978	4.756	ug/l # 77
38) Carbon Tetrachloride	8.09	117	15475	4.870	ug/l 93

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

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Quant Time: Sep 02 14:16:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 14:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	12465	5.115	ug/l	96
40) Benzene	8.34	78	27870	5.179	ug/l #	90
41) Methacrylonitrile	7.52	41	1604	4.499	ug/l #	71
42) 1,2-Dichloroethane	8.43	62	11027	4.844	ug/l	100
43) Isopropyl Acetate	8.45	43	6359	4.848	ug/l	96
44) Trichloroethene	9.10	130	9700	5.223	ug/l	93
45) 1,2-Dichloropropane	9.38	63	5602	5.247	ug/l	90
46) Dibromomethane	9.47	93	4169	5.334	ug/l	94
47) Bromodichloromethane	9.66	83	11823	5.089	ug/l	99
48) Methyl methacrylate	9.46	41	3321	4.968	ug/l	90
49) 1,4-Dioxane	9.46	88	975m	106.664	ug/l	
51) 4-Methyl-2-Pentanone	10.23	43	14427	23.920	ug/l	97
52) Toluene	10.40	92	19738	5.157	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	9908	4.668	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	10493	4.693	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	4798	4.858	ug/l #	89
56) Ethyl methacrylate	10.65	69	5443	4.683	ug/l	96
57) 1,3-Dichloropropane	10.94	76	7392	4.532	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.93	63	11575	25.510	ug/l	96
59) 2-Hexanone	10.98	43	10562	24.247	ug/l	94
60) Dibromochloromethane	11.14	129	8194	5.017	ug/l	96
61) 1,2-Dibromoethane	11.24	107	5178	5.143	ug/l	100
64) Tetrachloroethene	10.87	164	8681	5.109	ug/l #	89
65) Chlorobenzene	11.67	112	21493	5.012	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	8995	4.958	ug/l	99
67) Ethyl Benzene	11.74	91	35725	4.730	ug/l	97
68) m/p-Xylenes	11.85	106	27869	9.536	ug/l	96
69) o-Xylene	12.18	106	14773	5.337	ug/l	82
70) Styrene	12.20	104	22942	4.841	ug/l	98
71) Bromoform	12.36	173	4763	4.786	ug/l #	97
73) Isopropylbenzene	12.48	105	37308	4.778	ug/l	98
74) N-amyl acetate	12.29	43	5031	4.273	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.73	83	4682	5.074	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	3518m	4.767	ug/l	
77) Bromobenzene	12.76	156	9815	4.953	ug/l	98
78) n-propylbenzene	12.83	91	41656	4.896	ug/l	99
79) 2-Chlorotoluene	12.91	91	24355	4.947	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	31731	4.674	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	1369	4.147	ug/l #	70
82) 4-Chlorotoluene	13.01	91	26931	5.093	ug/l	99
83) tert-Butylbenzene	13.23	119	31336	5.263	ug/l	90
84) 1,2,4-Trimethylbenzene	13.27	105	33209	4.891	ug/l	96
85) sec-Butylbenzene	13.40	105	37723	5.001	ug/l	99
86) p-Isopropyltoluene	13.52	119	36768	4.877	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	18404	5.008	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	18931	5.092	ug/l	89
89) n-Butylbenzene	13.84	91	30893	4.892	ug/l	99
90) Hexachloroethane	14.11	117	6479	4.789	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	16083	5.032	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1293	5.299	ug/l	93

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

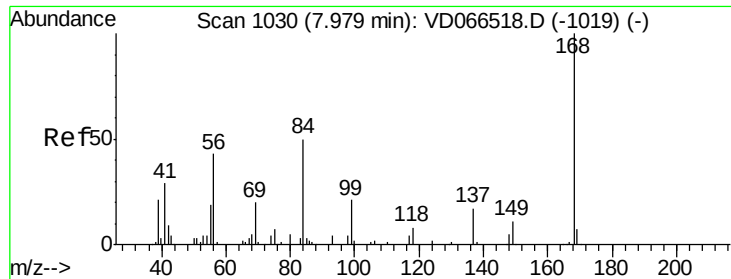
Manual Integrations
APPROVED

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9/3/2020 4:57:10 PM

Quant Time: Sep 02 14:16:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 02 14:03:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	11982	4.749	ug/l	95
94) Hexachlorobutadiene	15.27	225	8351	5.106	ug/l	97
95) Naphthalene	15.40	128	17918	4.569	ug/l	95
96) 1,2,3-Trichlorobenzene	15.60	180	10717	4.916	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 171609

Ion Ratio Lower Upper

168 100

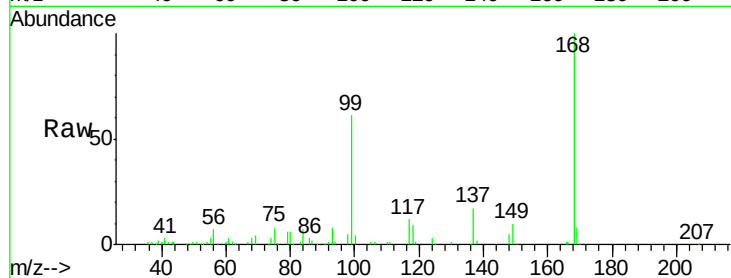
99 60.8 45.1 67.7

Manual Integrations

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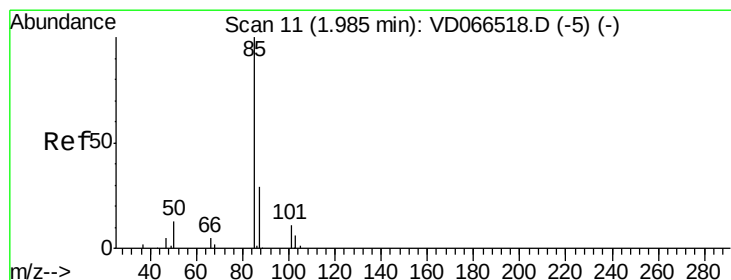
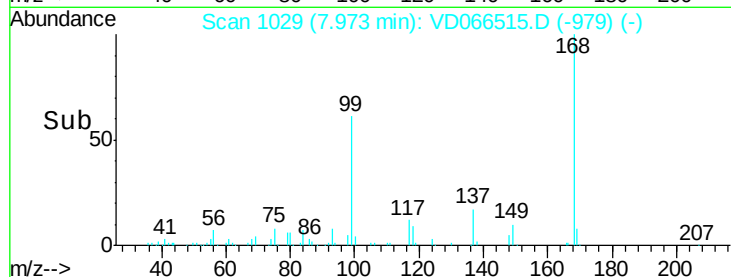
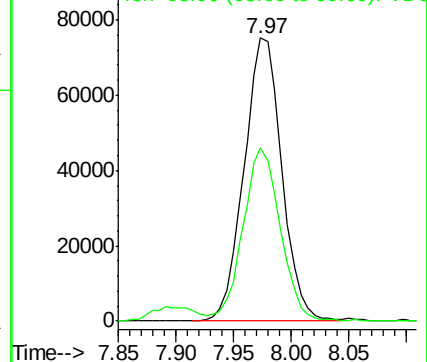
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.686 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066515.D

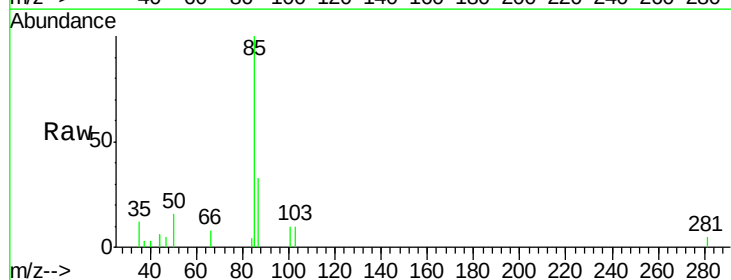
Acq: 02 Sep 2020 11:22

Tgt Ion: 85 Resp: 8324

Ion Ratio Lower Upper

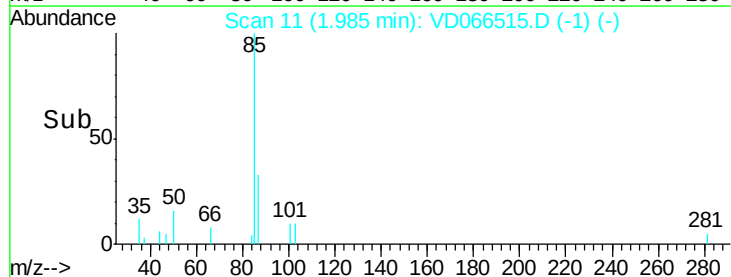
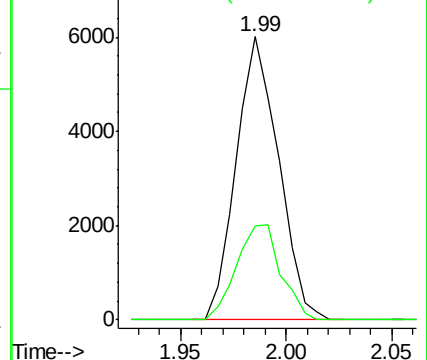
85 100

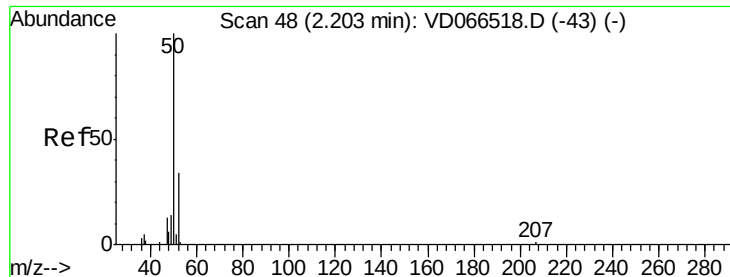
87 33.3 14.6 44.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.924 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 5214

Ion Ratio Lower Upper

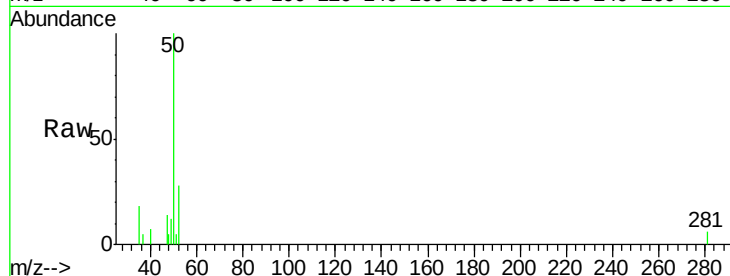
50 100

52 28.2 27.6 41.4

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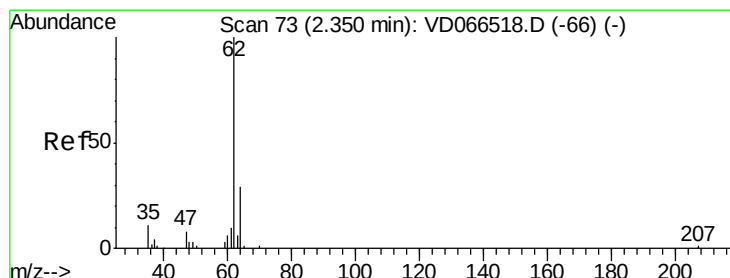
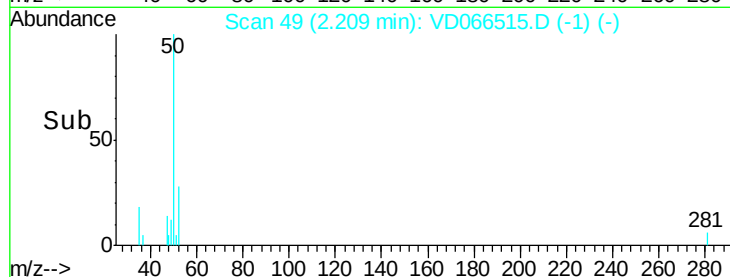
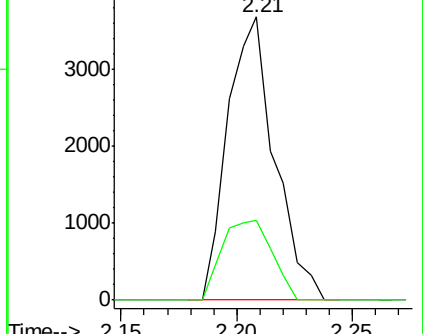
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.184 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066515.D

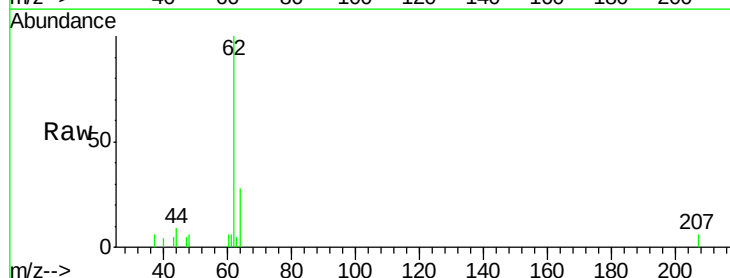
Acq: 02 Sep 2020 11:22

Tgt Ion: 62 Resp: 5564

Ion Ratio Lower Upper

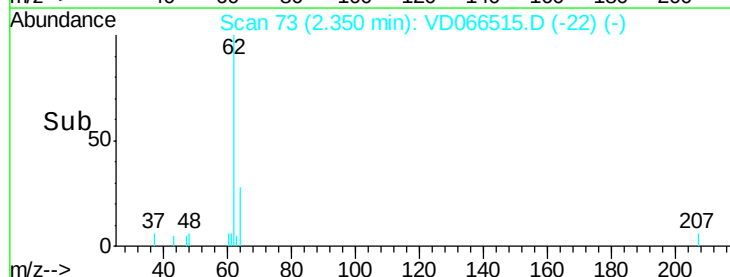
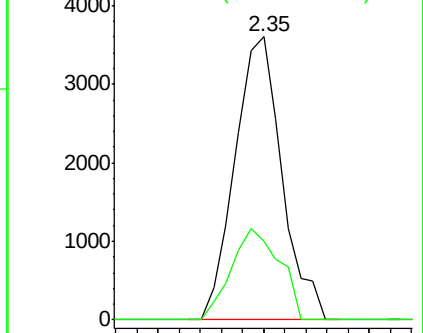
62 100

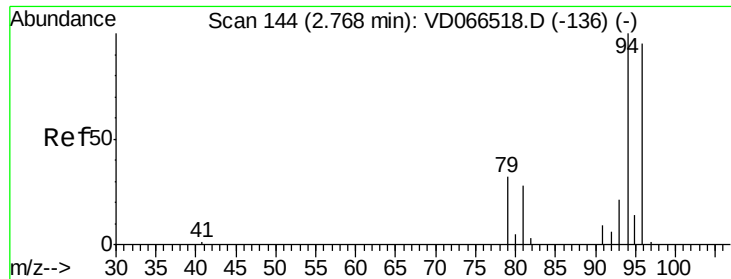
64 27.7 23.4 35.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.410 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 4746

Ion Ratio Lower Upper

94 100

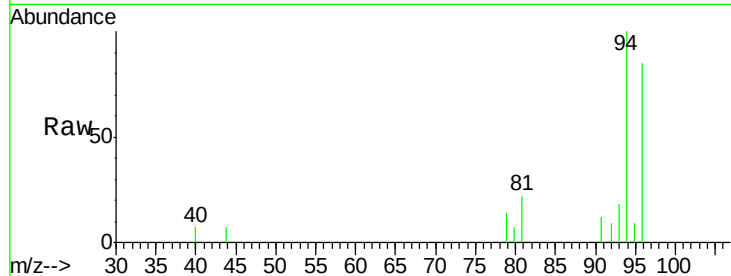
96 84.8 75.8 113.8

Manual Integrations

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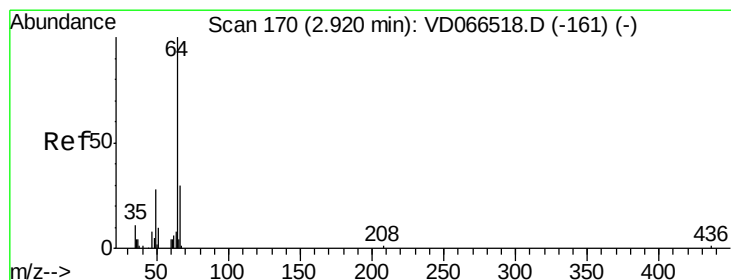
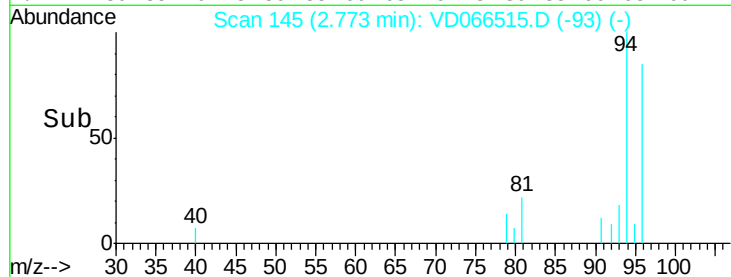
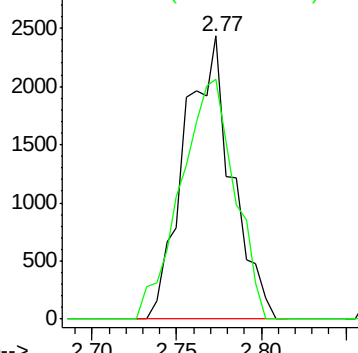
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.078 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066515.D

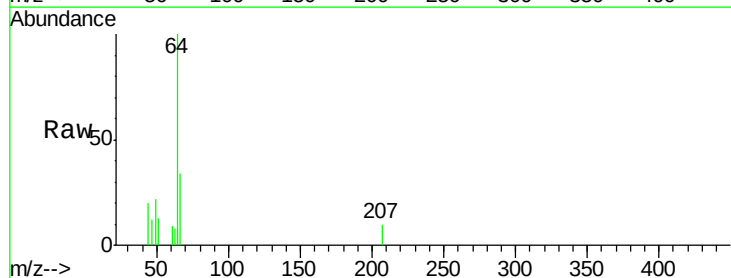
Acq: 02 Sep 2020 11:22

Tgt Ion: 64 Resp: 3667

Ion Ratio Lower Upper

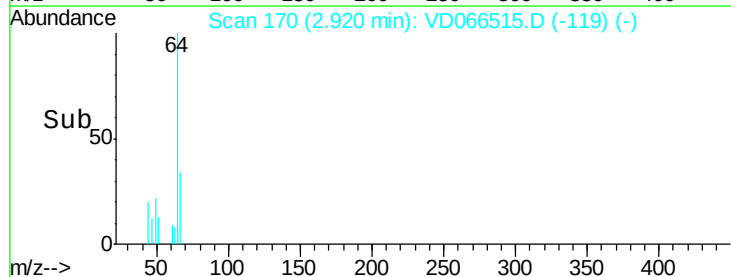
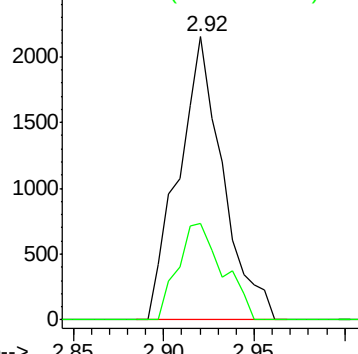
64 100

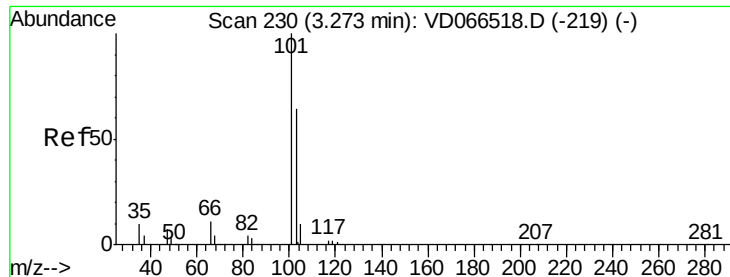
66 34.1 23.7 35.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

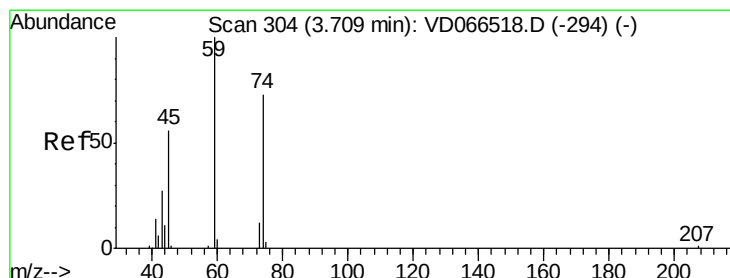
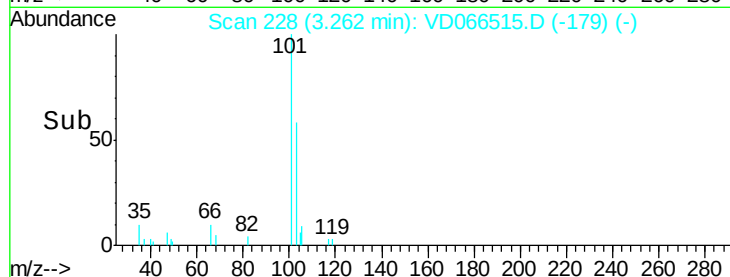
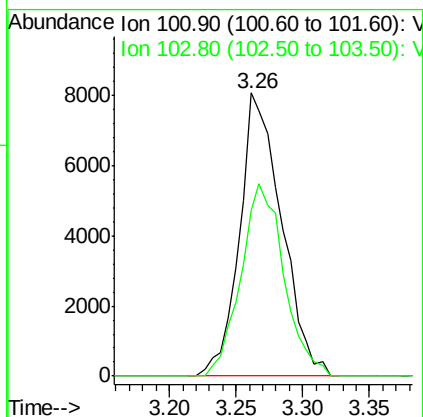
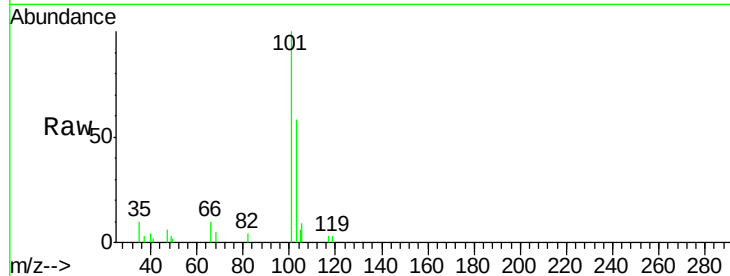
Trichlorofluoromethane
 Concen: 5.381 ug/l
 RT: 3.26 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Instrument :
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 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.4	50.9	76.3

Manual Integrations
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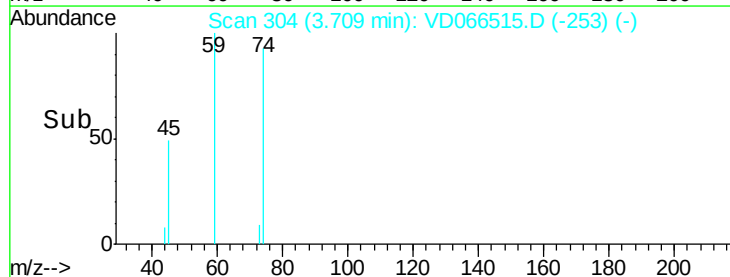
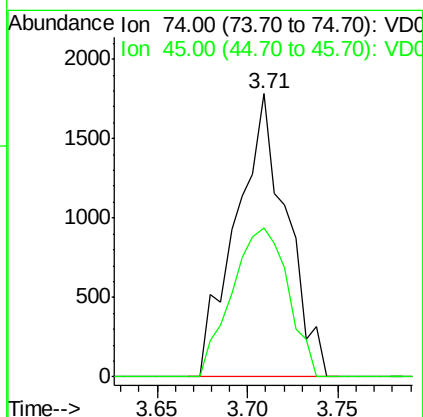
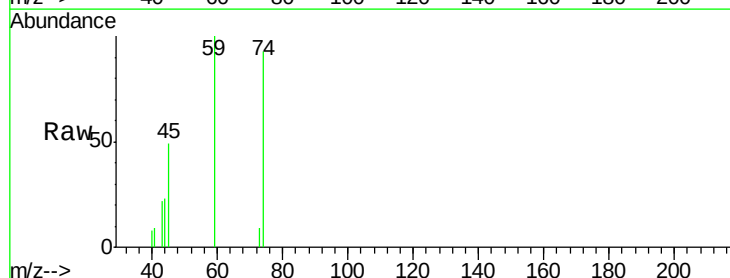
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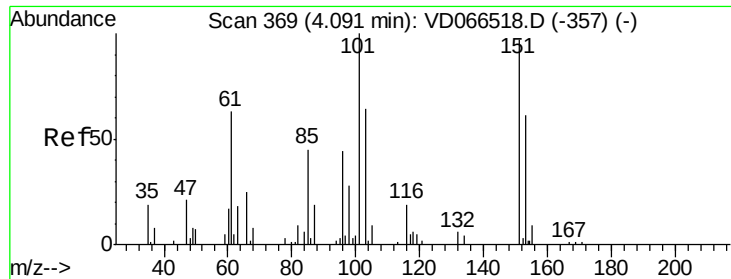


#8

Diethyl Ether
 Concen: 5.626 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	58.6	38.6	115.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.848 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD066515.D

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Instrument :

MSVOA_D

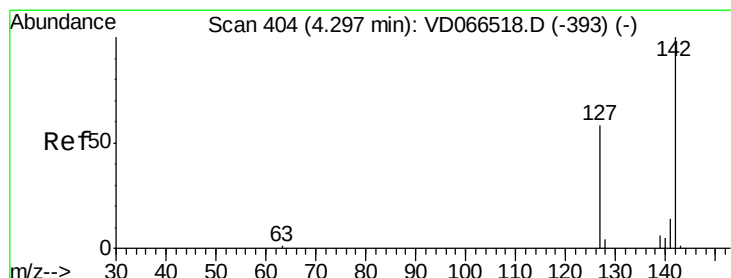
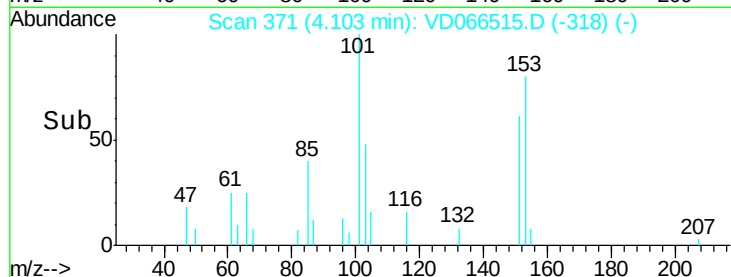
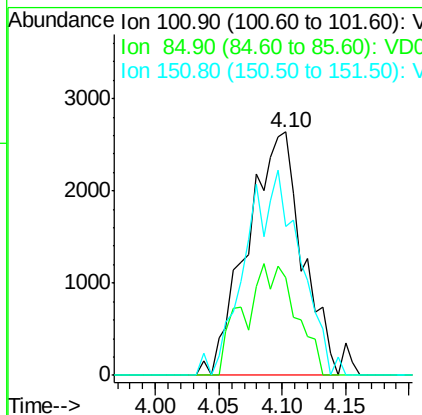
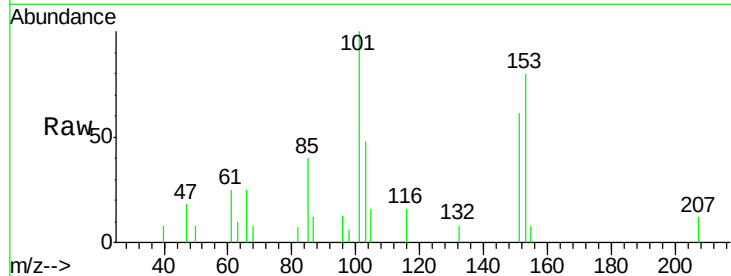
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	7968
Ion Ratio	Lower	Upper	
101	100		
85	43.6	39.4	59.0
151	83.4	75.5	113.3

Manual Integrations
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#10

Methyl Iodide

Concen: 4.200 ug/l

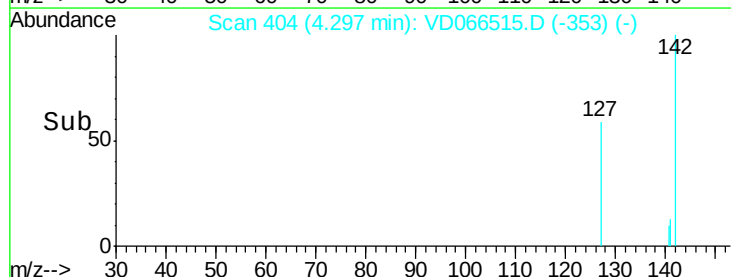
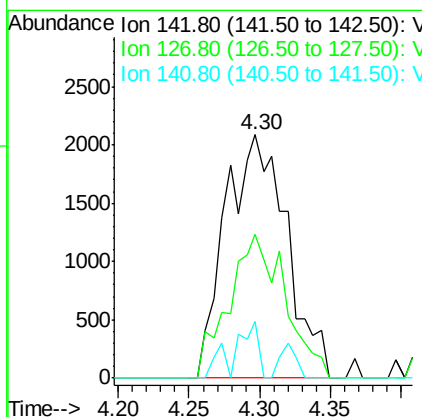
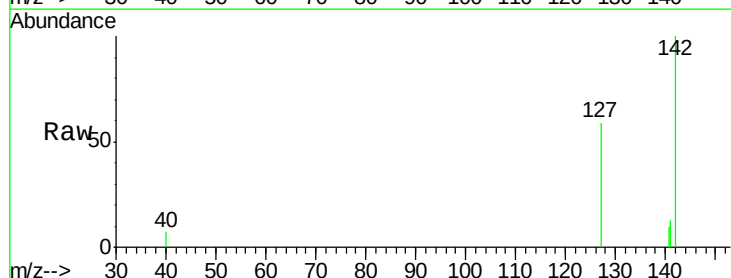
RT: 4.30 min Scan# 404

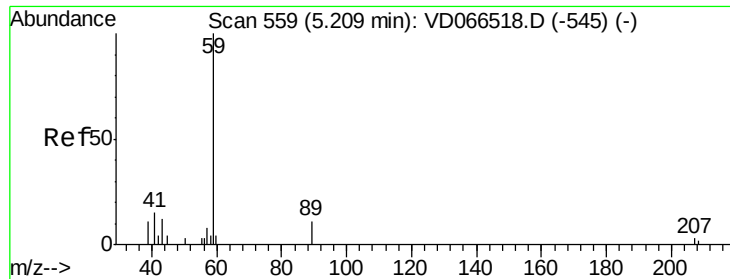
Delta R.T. -0.00 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Tgt Ion:	142	Resp:	6345
Ion Ratio	Lower	Upper	
142	100		
127	53.9	46.3	69.5
141	6.6	12.4	18.6





#11

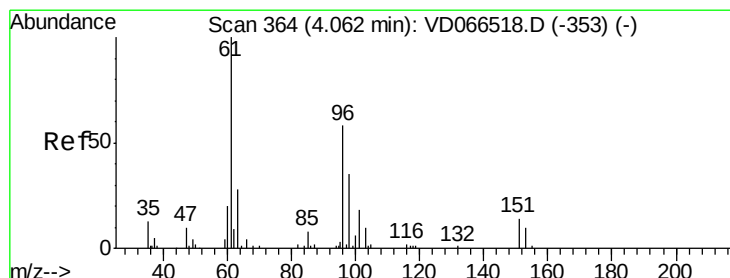
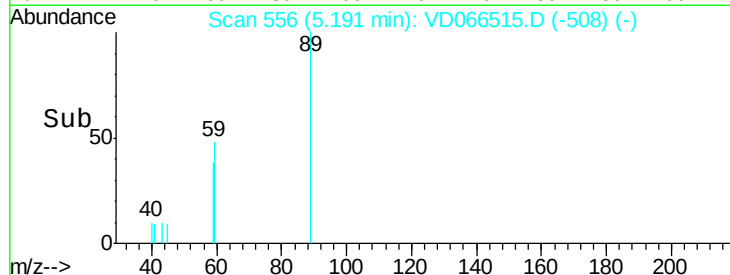
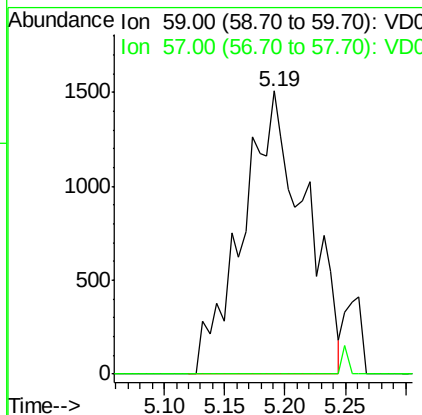
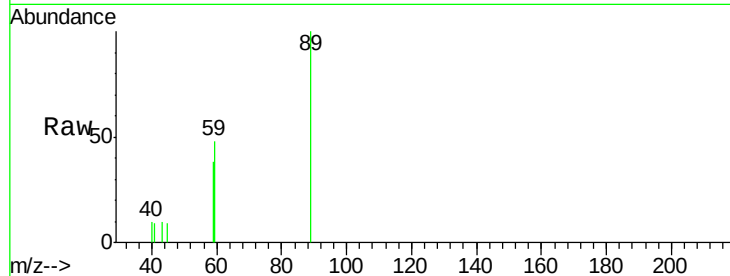
Tert butyl alcohol
Concen: 40.624 ug/l
RT: 5.19 min Scan# 556
Delta R.T. -0.02 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 5462
Ion Ratio Lower Upper
59 100
57 0.0 6.8 10.2#

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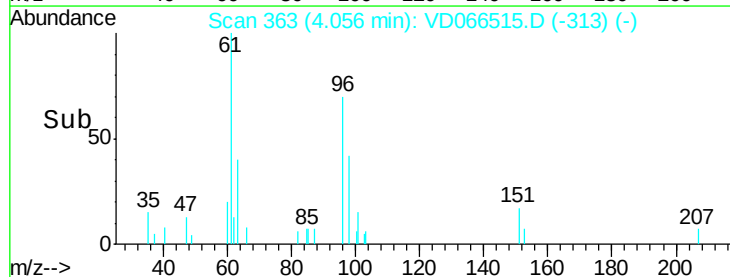
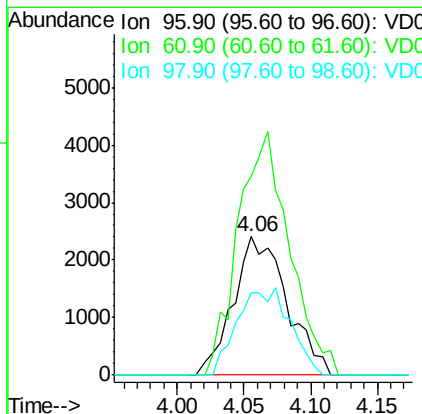
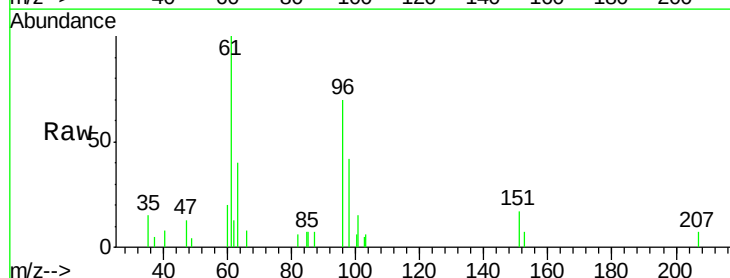
MMDadoda
9/3/2020 4:57:10 PM

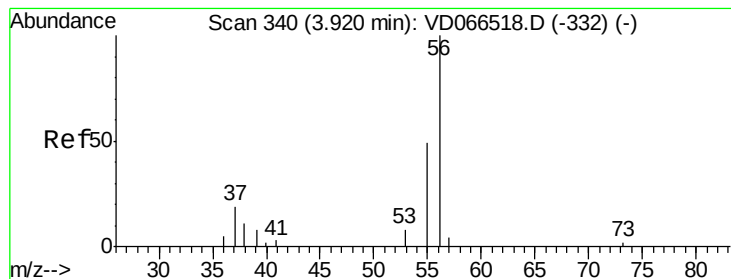


#12

1,1-Dichloroethene
Concen: 5.240 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion: 96 Resp: 6709
Ion Ratio Lower Upper
96 100
61 143.4 137.5 206.3
98 59.6 47.8 71.6





#13

Acrolein

Concen: 25.857 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 1550

Ion Ratio Lower Upper

56 100

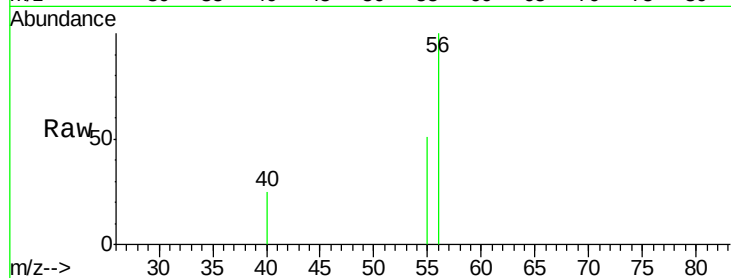
55 42.3 53.0 79.4#

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

600

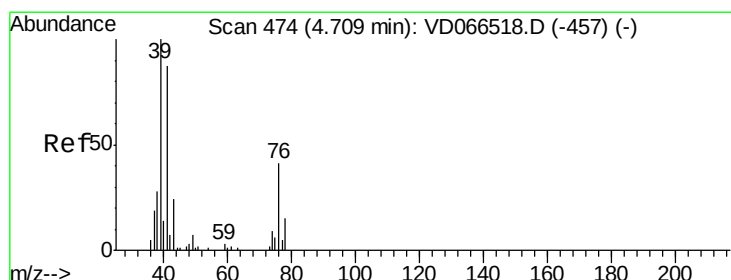
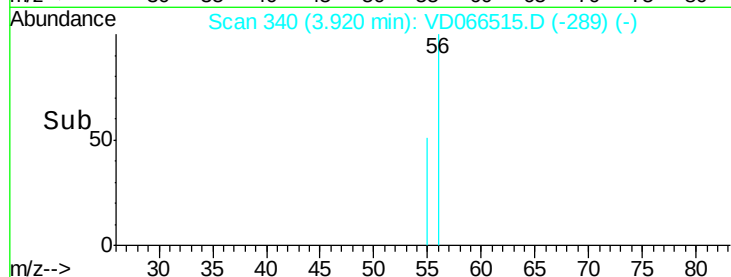
400

200

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 4.630 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

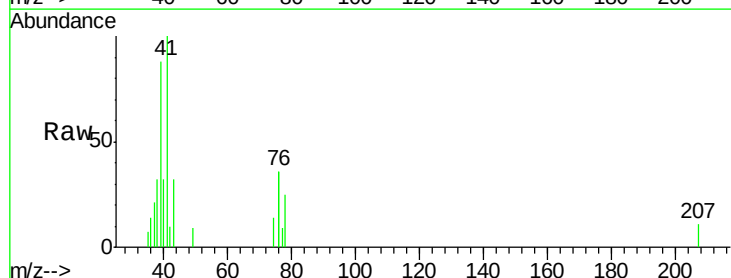
Tgt Ion: 41 Resp: 6626

Ion Ratio Lower Upper

41 100

39 0.0 93.8 140.8#

76 62.1 39.4 59.0#



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

3000

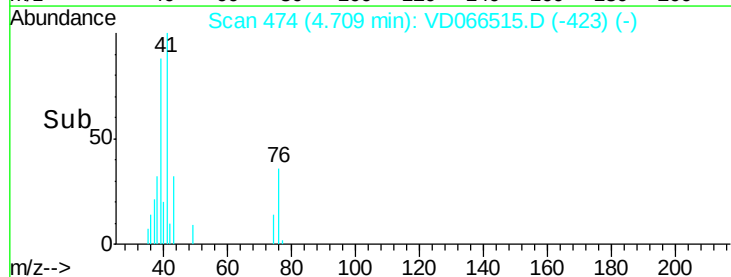
2000

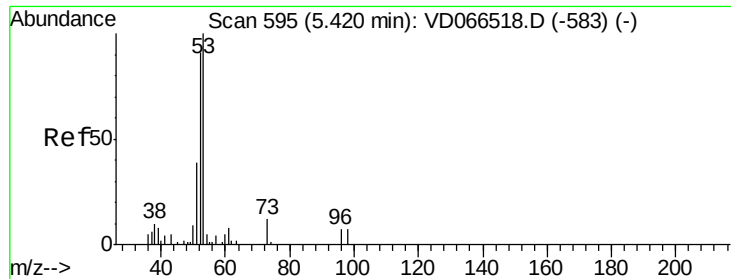
1000

0

4.60 4.65 4.70 4.75 4.80

Time-->





#15

Acrylonitrile

Concen: 23.075 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

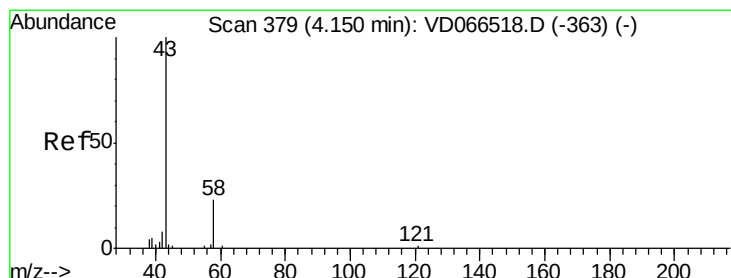
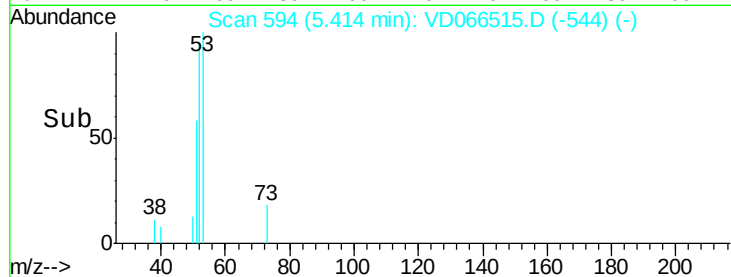
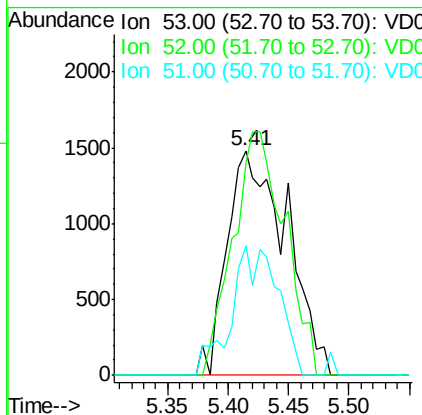
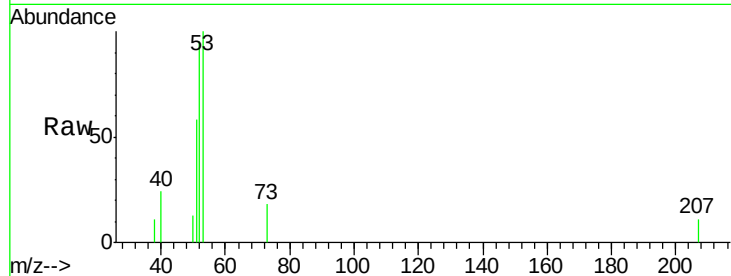
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	5074
Ion	Ratio	Lower	Upper
53	100		
52	94.5	71.0	106.4
51	22.7	35.8	53.6#

Manual Integrations
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#16

Acetone

Concen: 27.002 ug/l

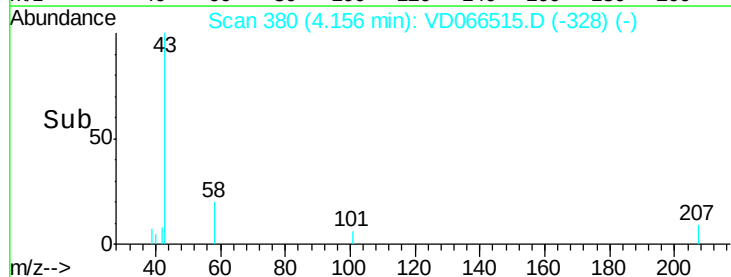
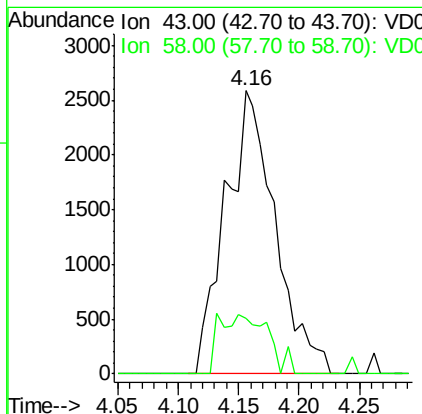
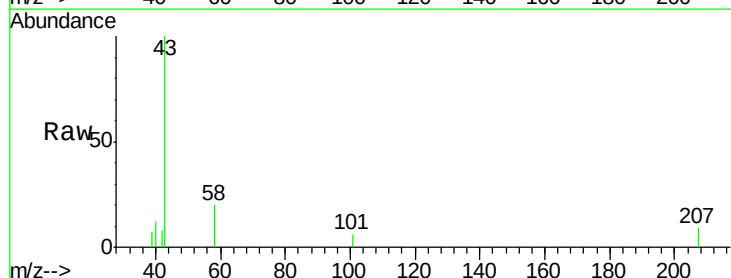
RT: 4.16 min Scan# 380

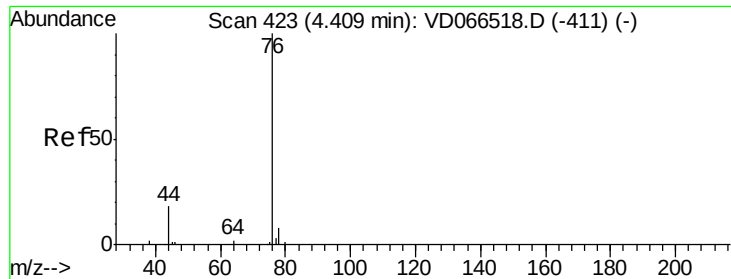
Delta R.T. 0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Tgt Ion:	43	Resp:	7370
Ion	Ratio	Lower	Upper
43	100		
58	19.6	18.1	27.1





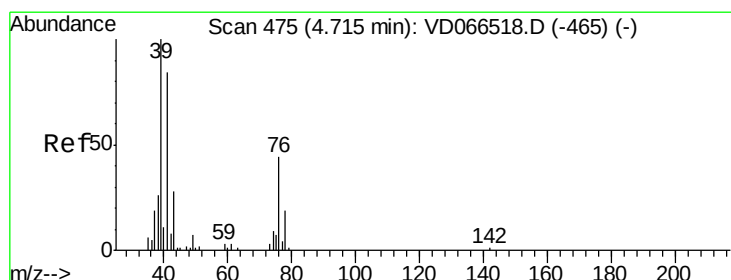
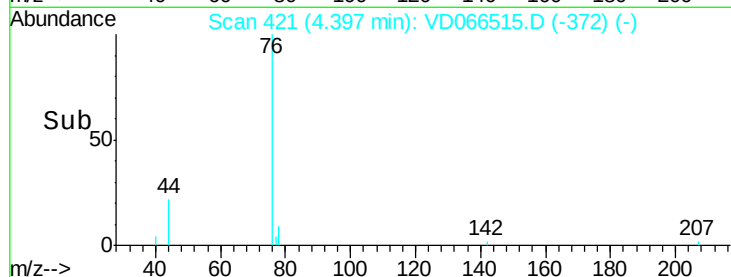
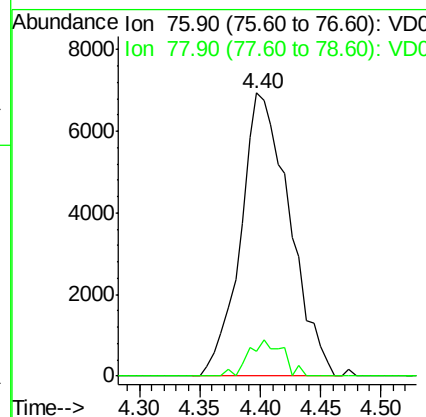
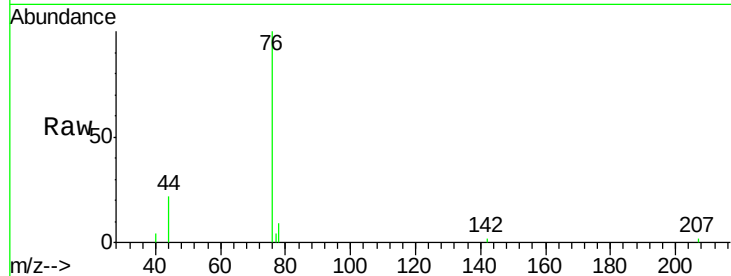
#17
Carbon Disulfide
Concen: 5.296 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.2	9.4

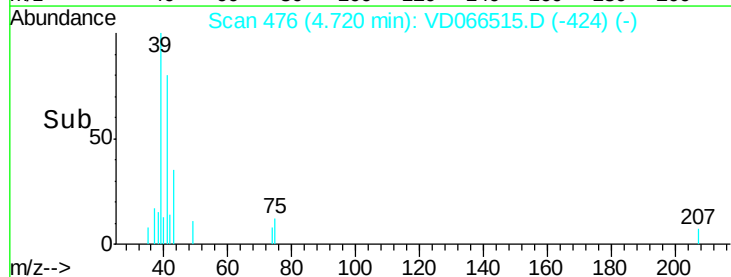
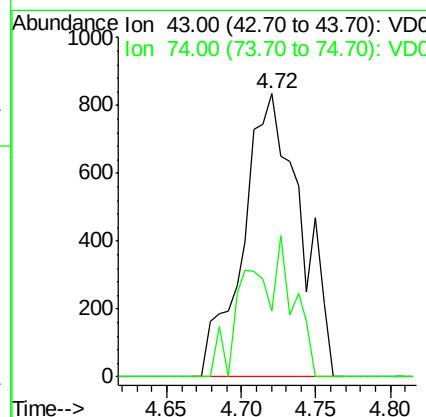
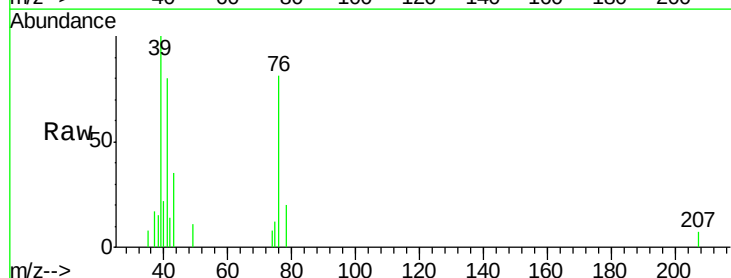
Manual Integrations
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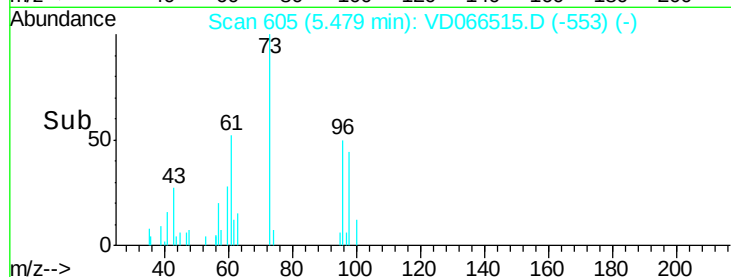
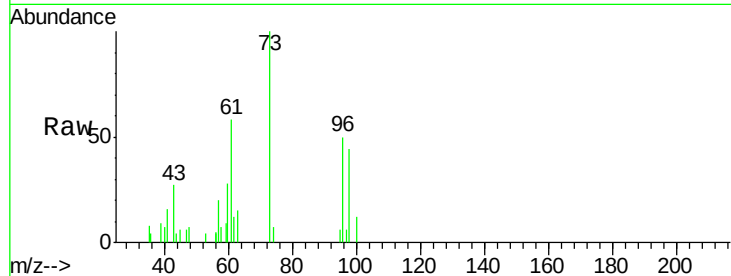
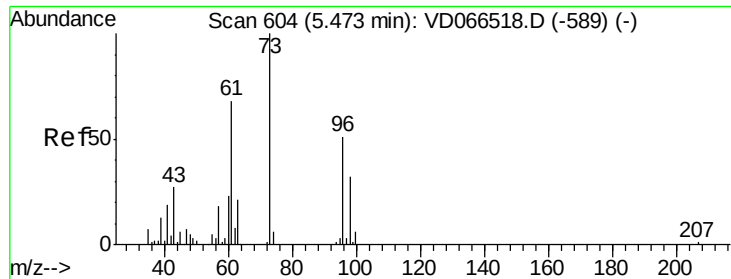
MMDadoda
9/3/2020 4:57:10 PM



#18
Methyl Acetate
Concen: 5.072 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	26.3	39.5#





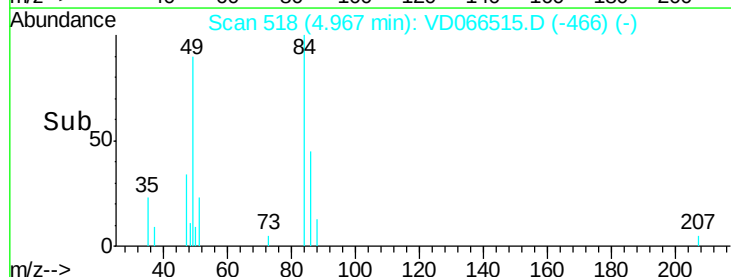
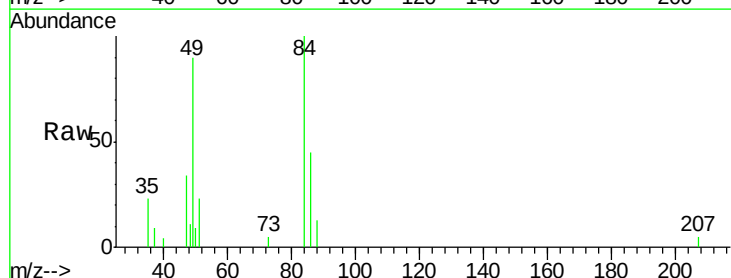
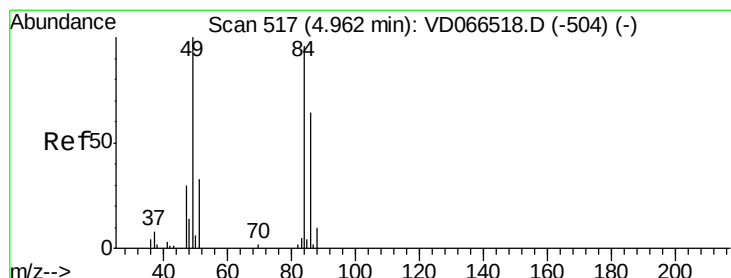
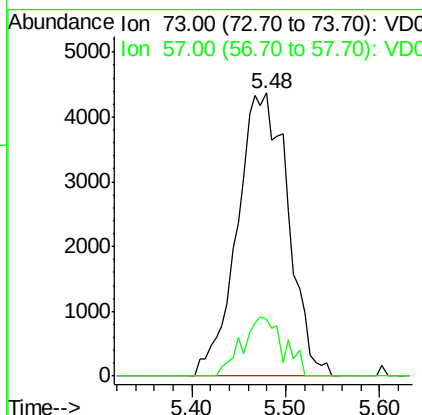
#19
Methyl tert-butyl Ether
Concen: 4.883 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tot Ion: 73 Resp: 16314
Ion Ratio Lower Upper
73 100
57 19.9 14.6 22.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

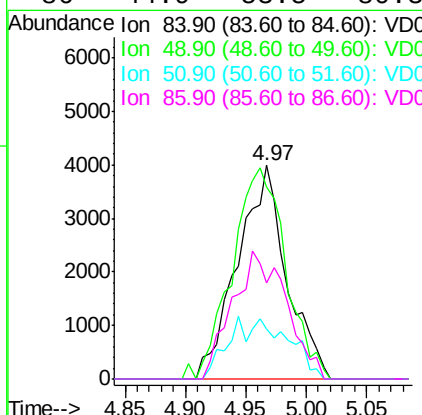
Manual Integrations
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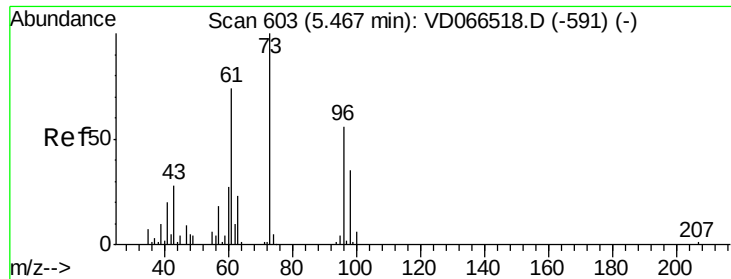
MMDadoda
9/3/2020 4:57:10 PM



#20
Methylene Chloride
Concen: 7.059 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion: 84 Resp: 11244
Ion Ratio Lower Upper
84 100
49 89.9 83.5 125.3
51 23.4 27.8 41.8#
86 44.9 53.5 80.3#





#21

trans-1,2-Dichloroethene

Concen: 5.111 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

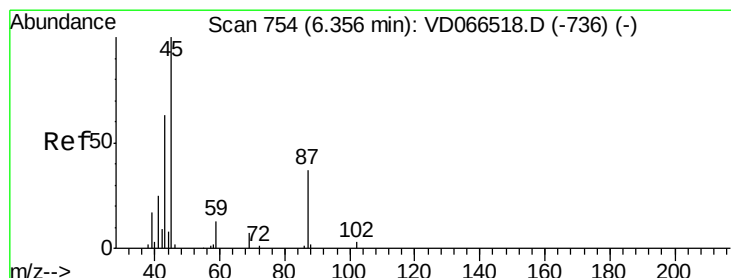
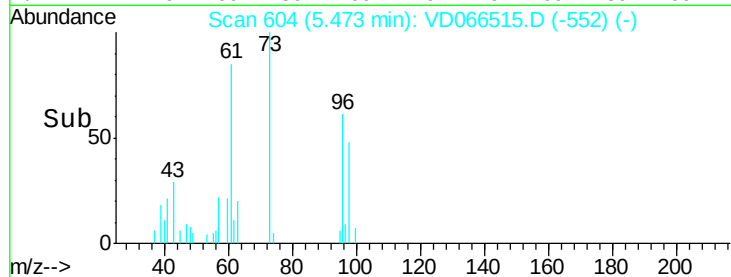
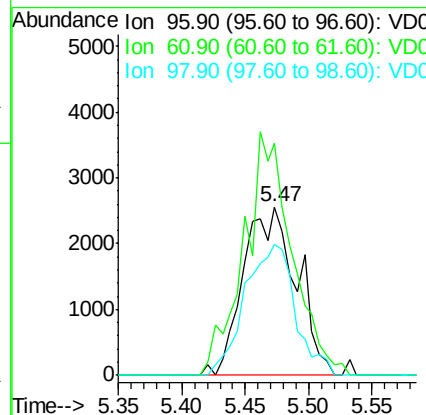
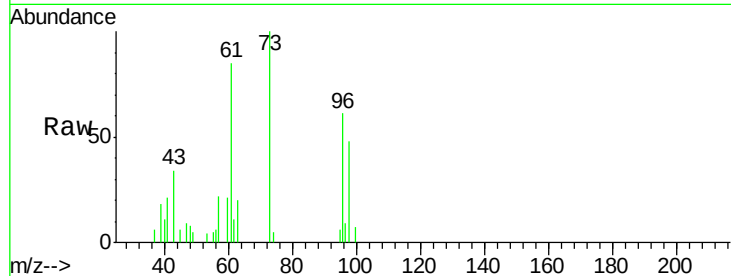
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	7485
Ion	Ratio	Lower	Upper
96	100		
61	138.0	106.6	160.0
98	78.1	50.6	76.0#

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.824 ug/l

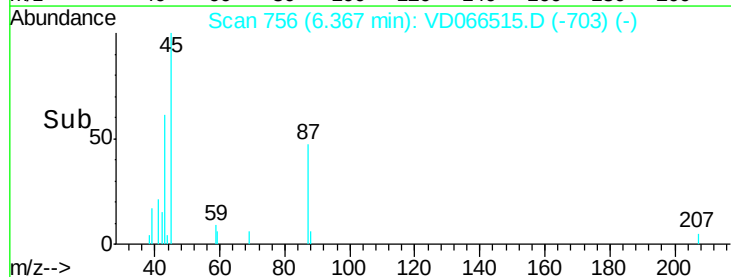
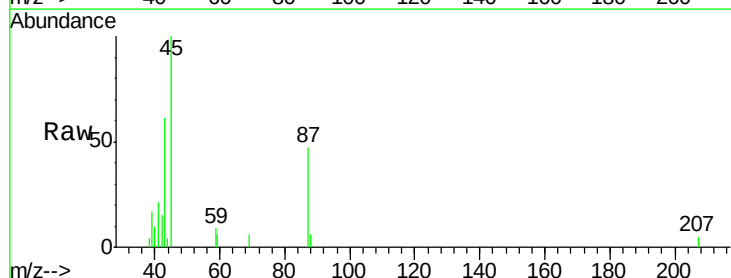
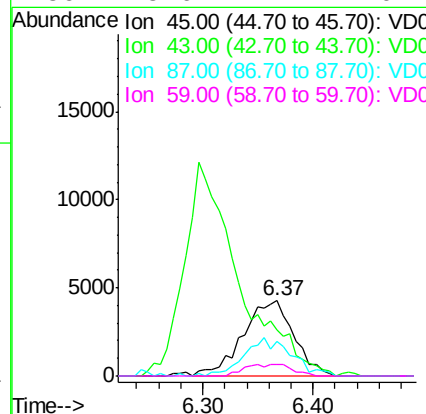
RT: 6.37 min Scan# 756

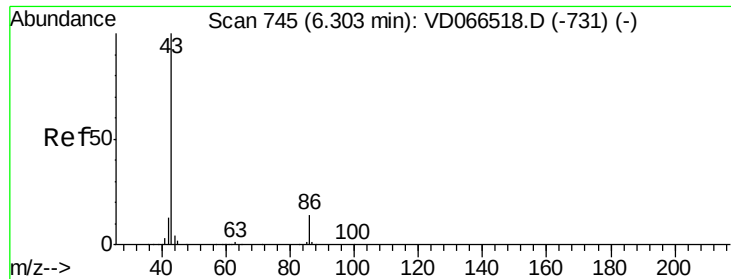
Delta R.T. 0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Tgt Ion:	45	Resp:	13836
Ion	Ratio	Lower	Upper
45	100		
43	57.3	53.4	80.0
87	46.5	30.2	45.4#
59	15.6	11.1	16.7





#23

Vinyl Acetate

Concen: 22.687 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 41838

Ion Ratio Lower Upper

43 100

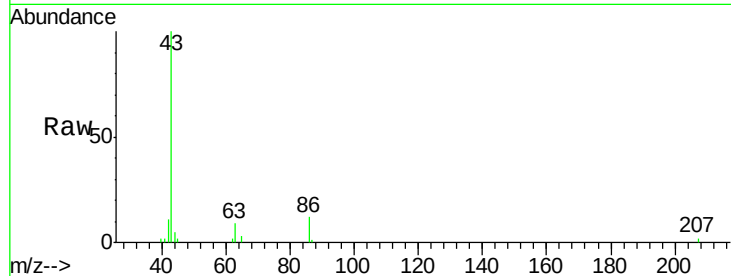
86 11.9 11.3 16.9

Manual Integrations

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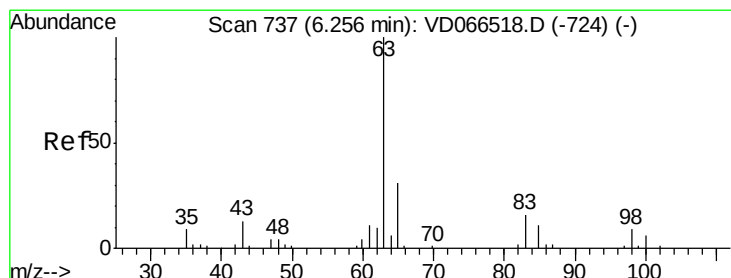
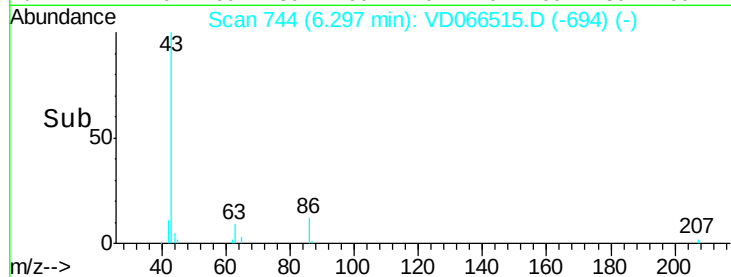
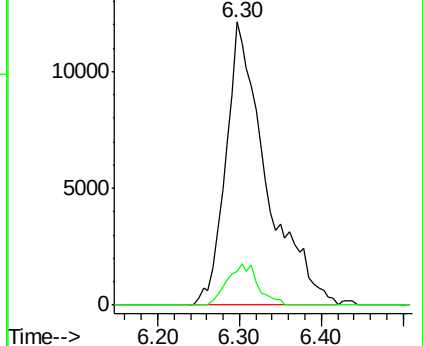
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.133 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

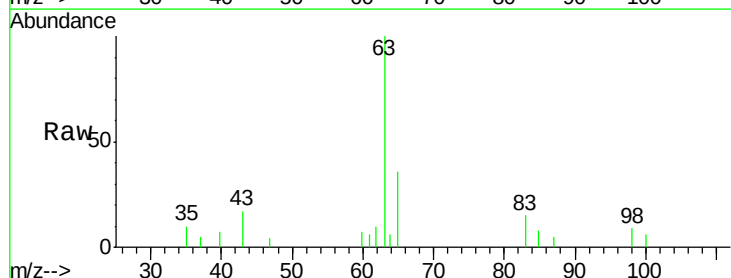
Tgt Ion: 63 Resp: 11563

Ion Ratio Lower Upper

63 100

98 9.1 4.3 13.1

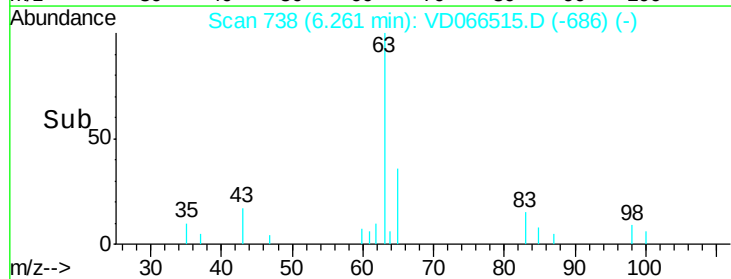
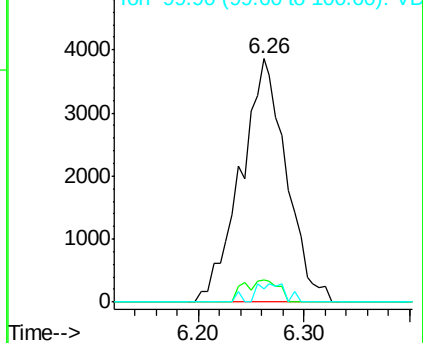
100 5.6 2.9 8.7

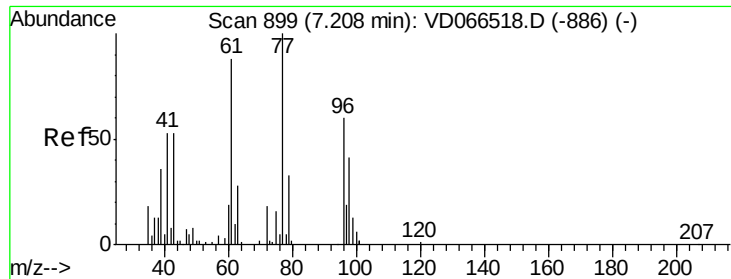


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 27.784 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 7849

Ion Ratio Lower Upper

43 100

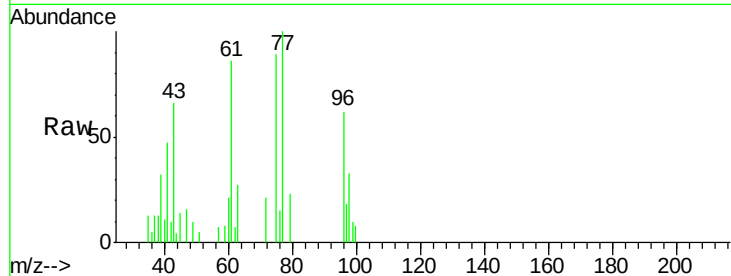
72 31.7 26.8 40.2

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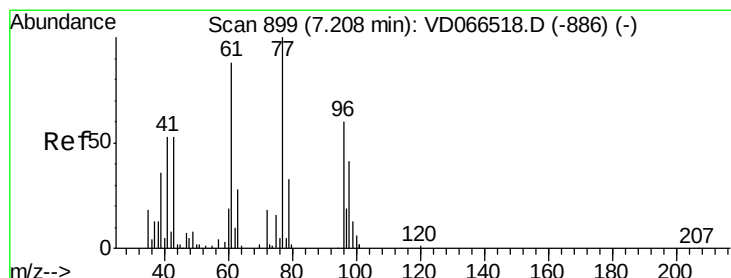
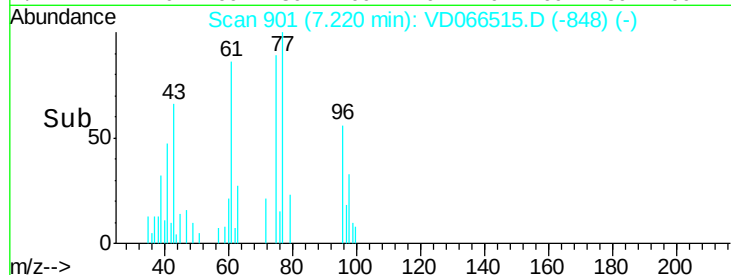
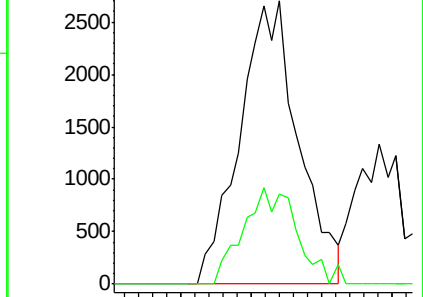
MMDadoda

9/3/2020 4:57:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.323 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066515.D

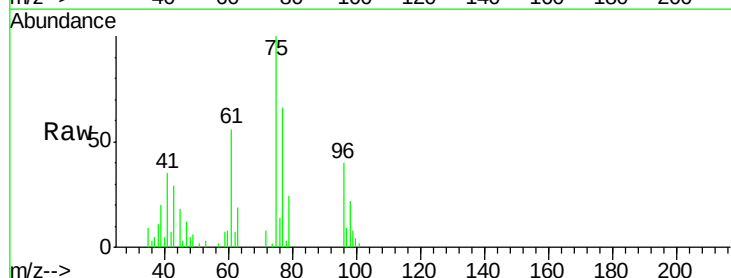
Acq: 02 Sep 2020 11:22

Tgt Ion: 77 Resp: 15195

Ion Ratio Lower Upper

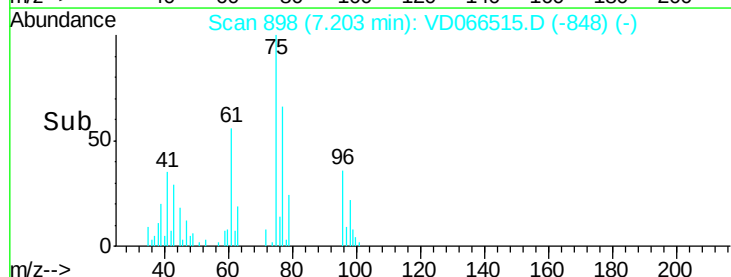
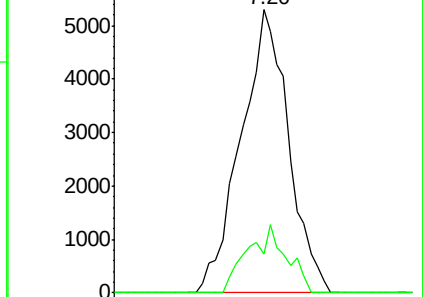
77 100

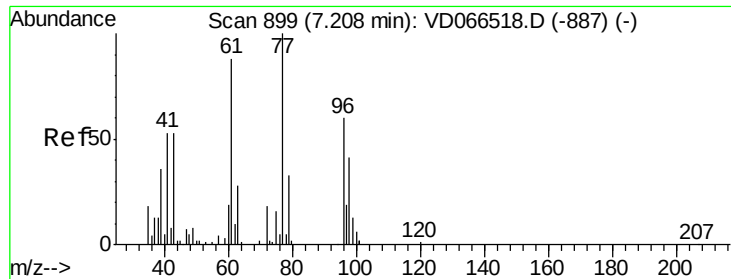
97 19.7 10.2 30.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





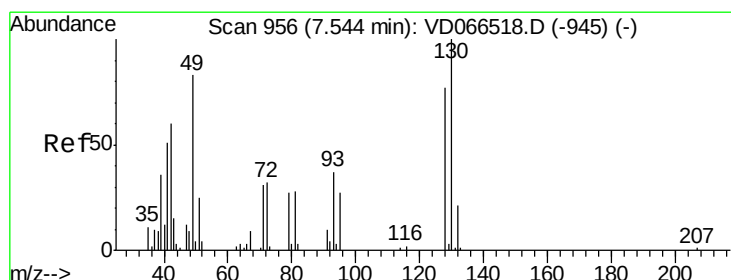
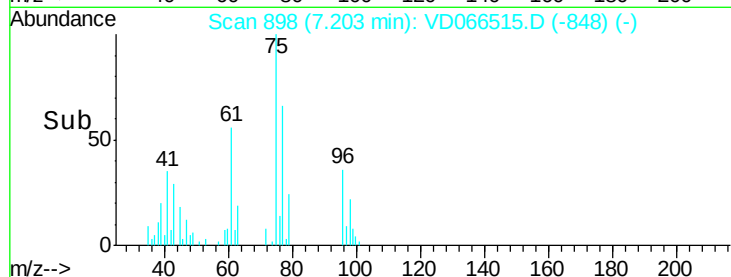
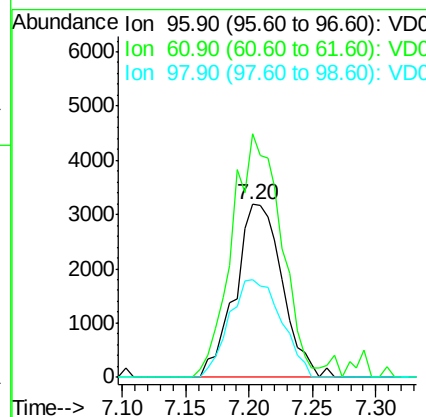
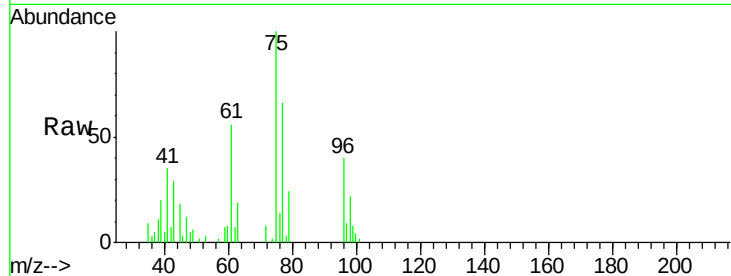
#27
 cis-1,2-Dichloroethene
 Concen: 5.181 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	292.8
98	62.3	0.0	130.2

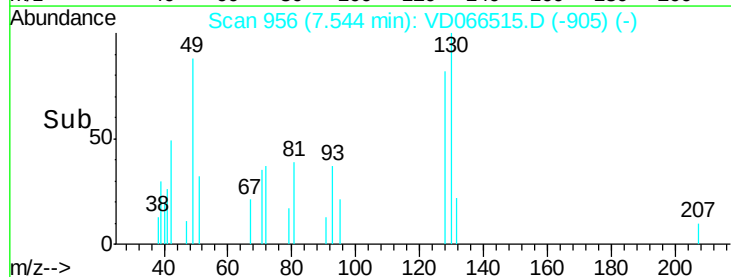
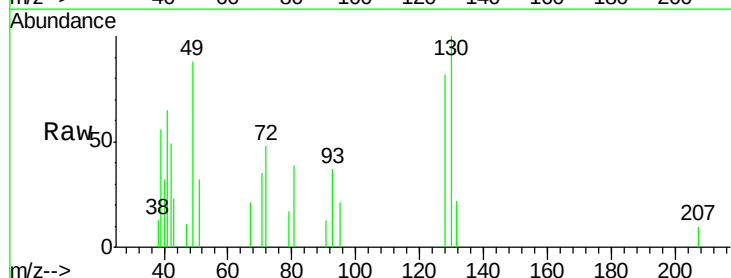
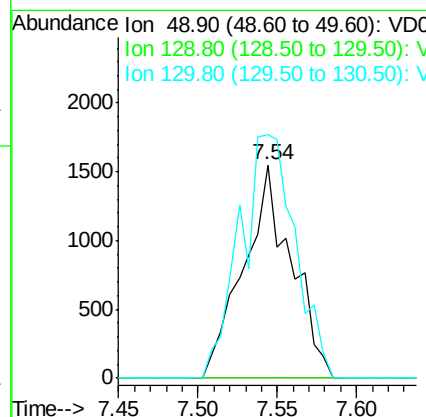
Manual Integrations
 APPROVED

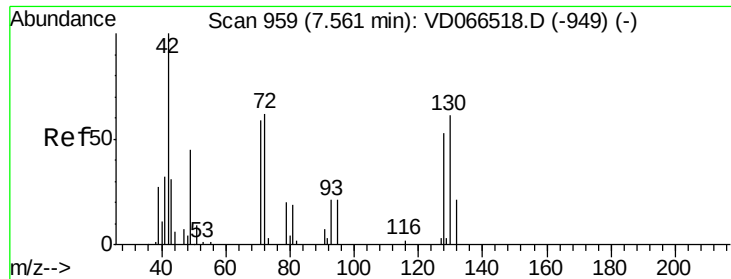
MMDadoda
 9/3/2020 4:57:10 PM



#28
 Bromochloromethane
 Concen: 4.983 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.2
130	131.2	98.0	147.0





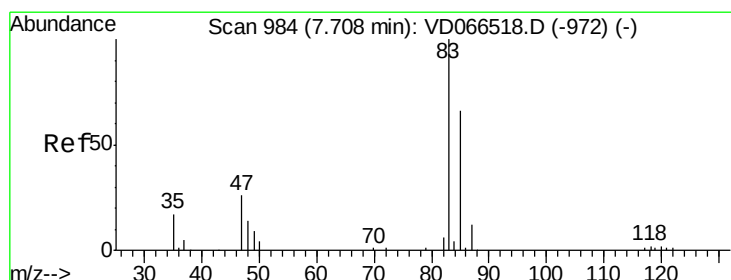
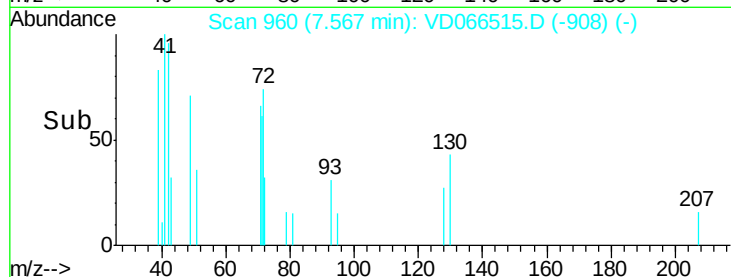
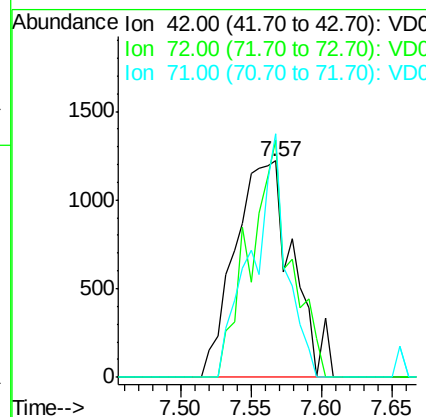
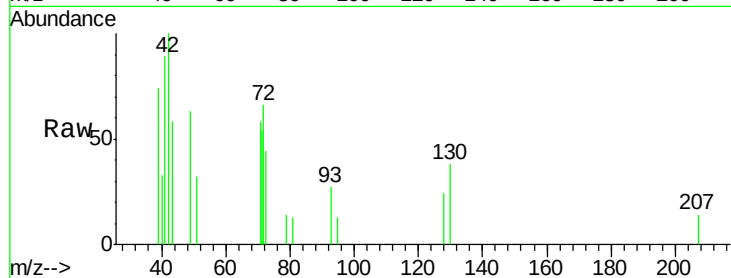
#29
Tetrahydrofuran
Concen: 24.052 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	77.8	48.6	72.8#
71	67.9	43.2	64.8#

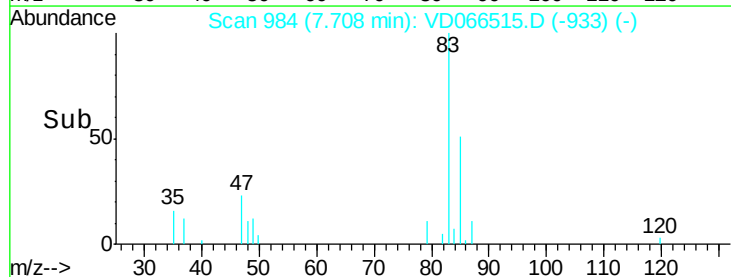
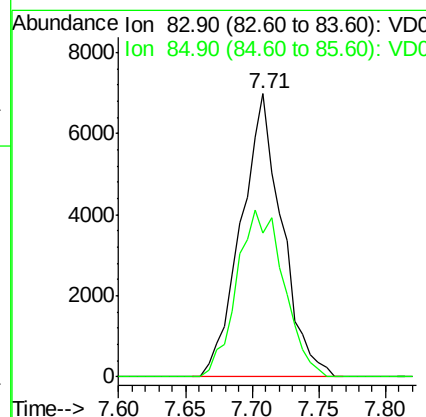
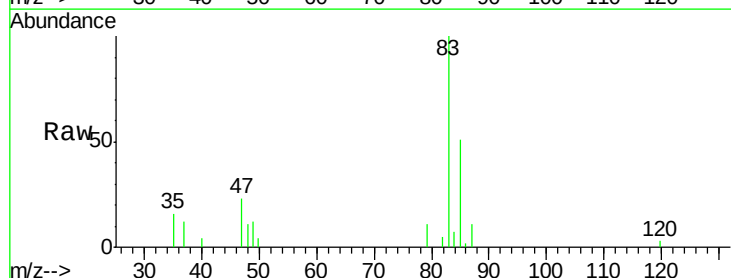
Manual Integrations
APPROVED

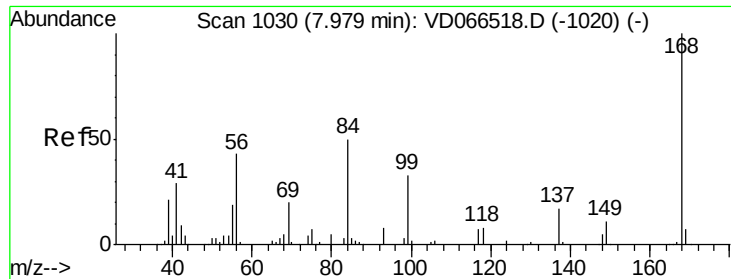
MMDadoda
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#30
Chloroform
Concen: 5.099 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	50.8	52.6	79.0#





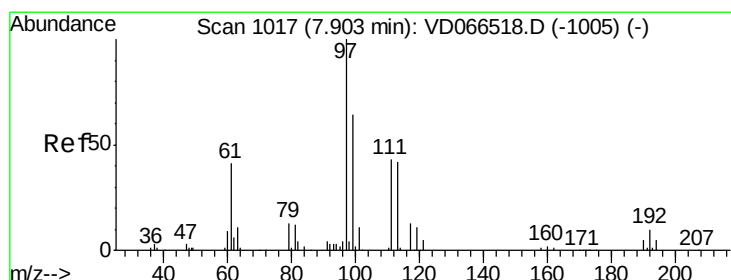
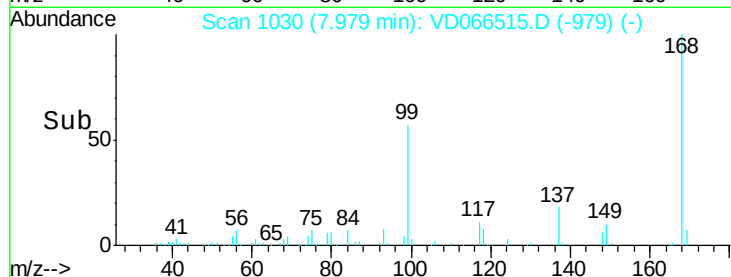
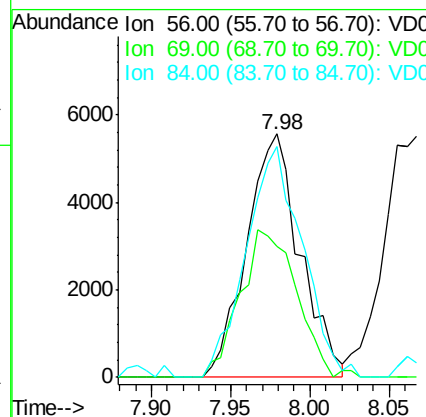
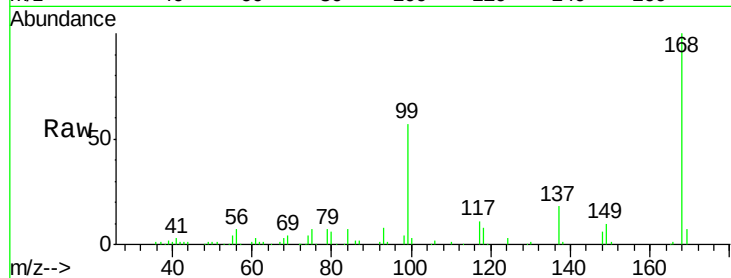
#31
Cyclohexane
Concen: 6.698 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	56	Resp	13038
Ion Ratio	Lower	Upper	
56	100		
69	54.1	36.8	55.2
84	94.8	93.4	140.0

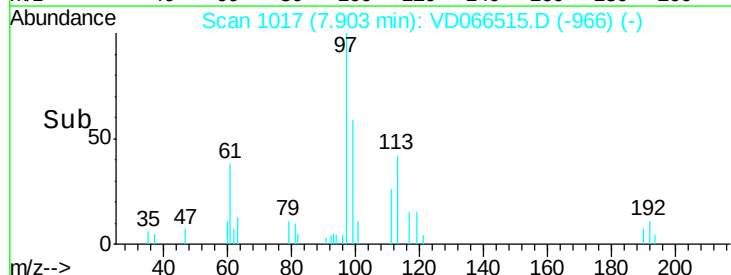
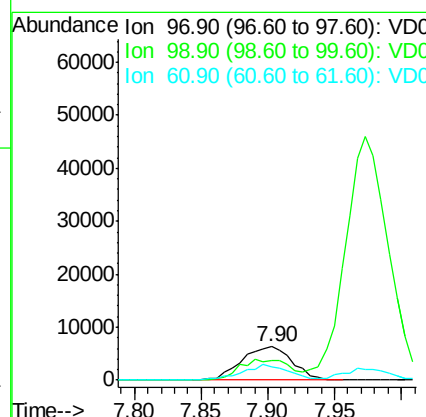
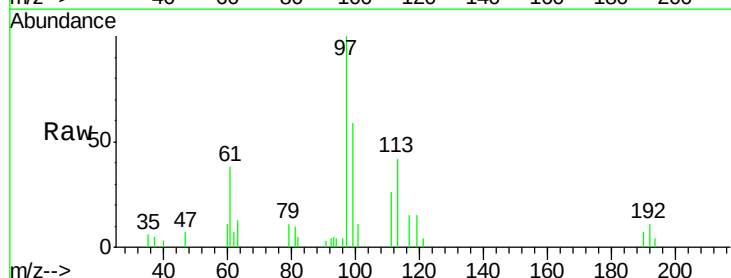
Manual Integrations
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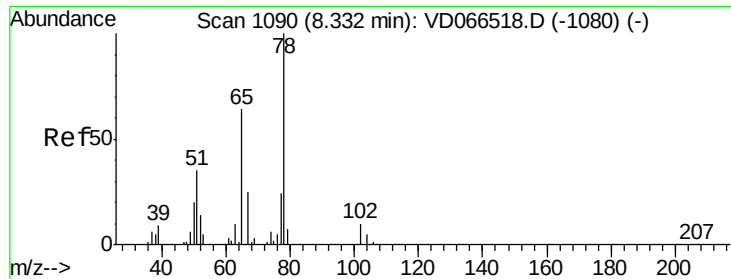
MMDadoda
9/3/2020 4:57:10 PM



#32
1,1,1-Trichloroethane
Concen: 5.127 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	97	Resp	16611
Ion Ratio	Lower	Upper	
97	100		
99	61.5	51.7	77.5
61	40.9	32.6	48.8





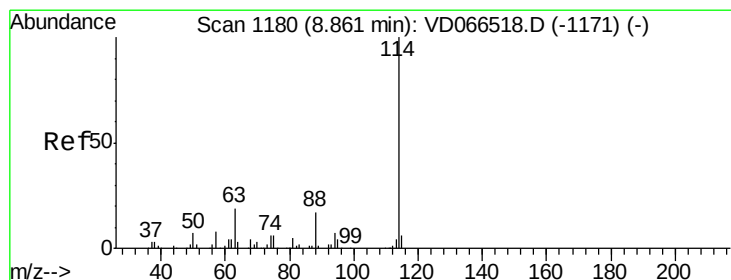
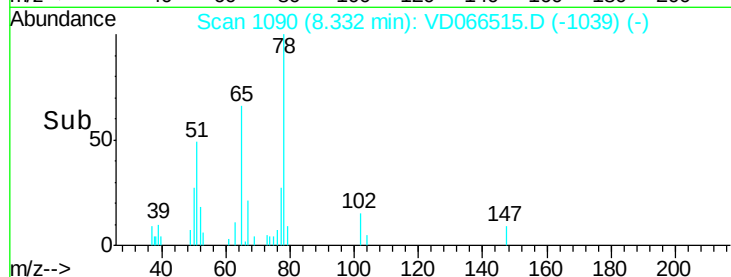
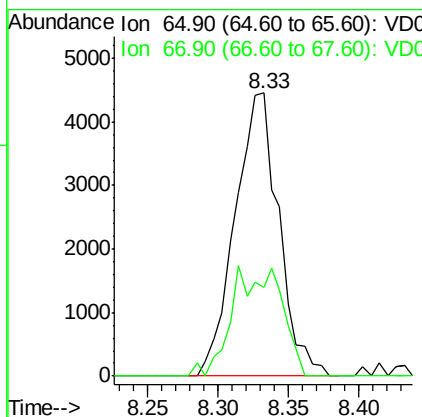
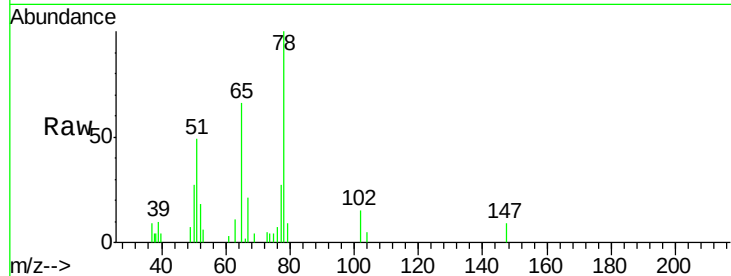
#33
 1,2-Dichloroethane-d4
 Concen: 5.234 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	43.6	0.0	88.2

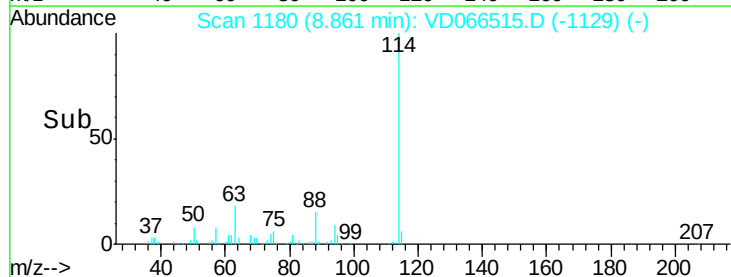
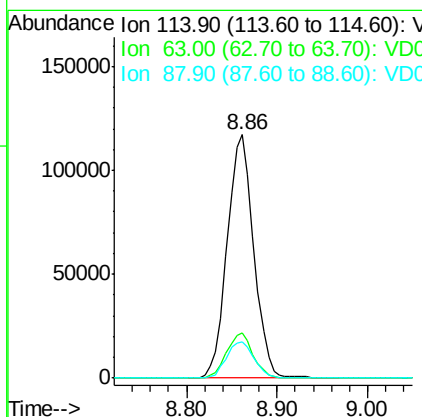
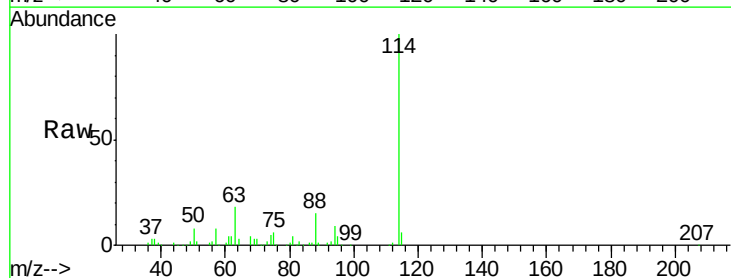
Manual Integrations
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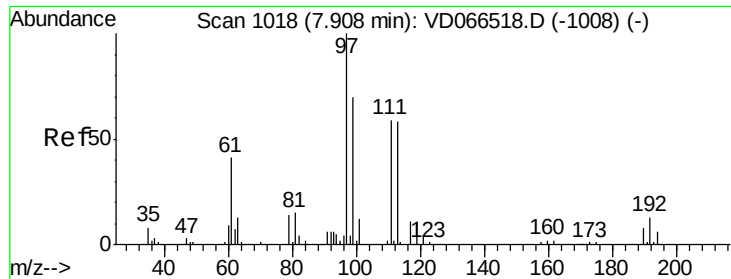
MMDadoda
 9/3/2020 4:57:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	38.6
88	14.9	0.0	33.6





#35

Dibromofluoromethane

Concen: 5.084 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

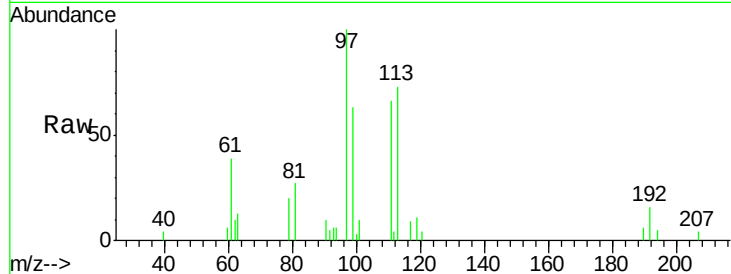
ClientSampleId :

VSTDIC005

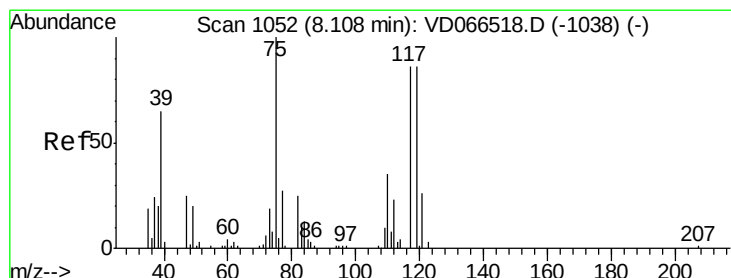
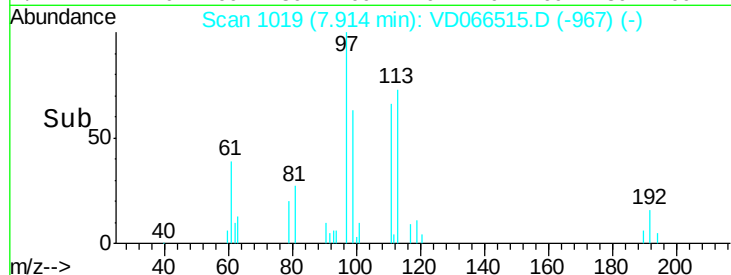
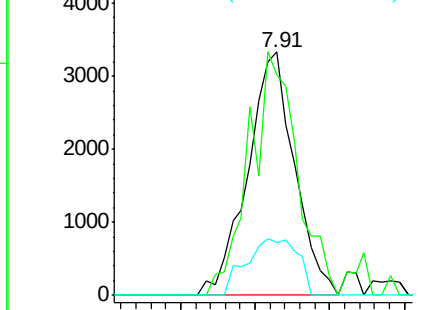
Tot Ion:	113	Resp:	7276
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.5	123.7
192	25.8	20.7	31.1

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



#36

1,1-Dichloropropene

Concen: 4.990 ug/l

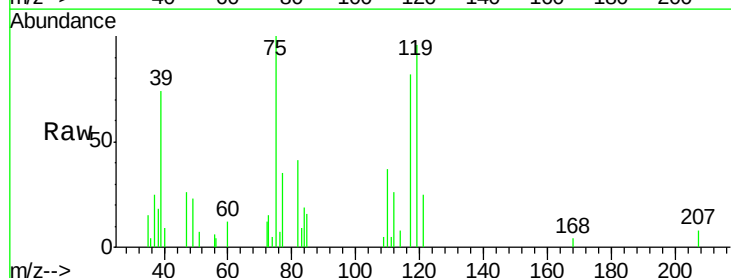
RT: 8.11 min Scan# 1052

Delta R.T. -0.00 min

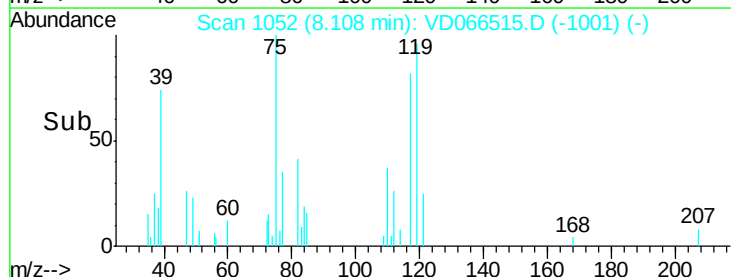
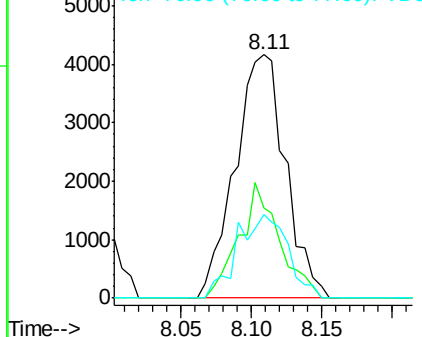
Lab File: VD066515.D

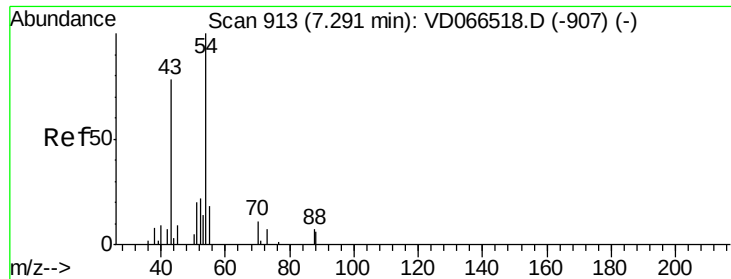
Acq: 02 Sep 2020 11:22

Tgt Ion:	75	Resp:	10408
Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.4	55.2
77	34.3	24.6	36.8



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





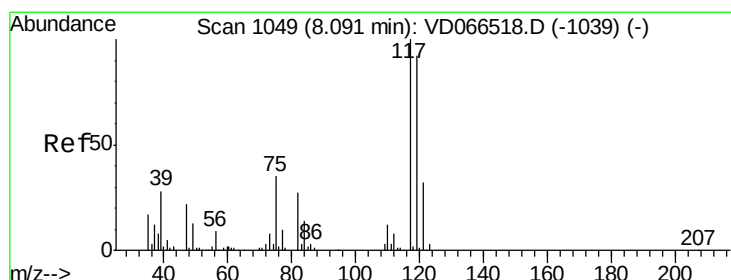
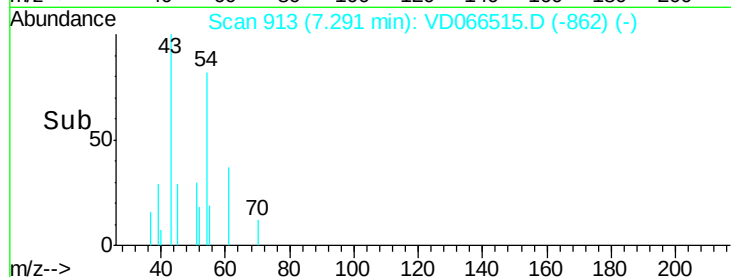
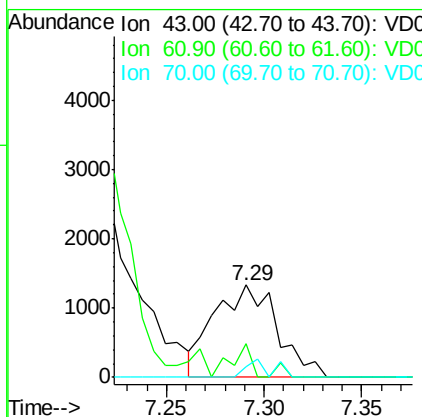
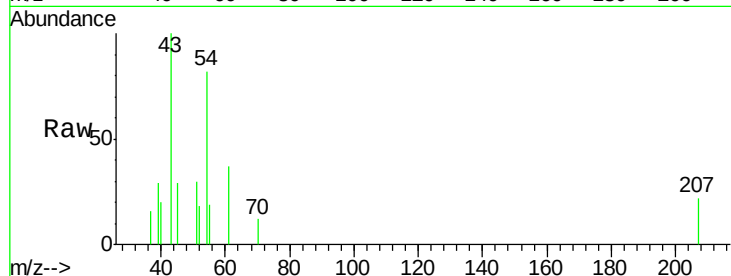
#37
Ethyl Acetate
Concen: 4.756 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	7.6	10.2	15.2#

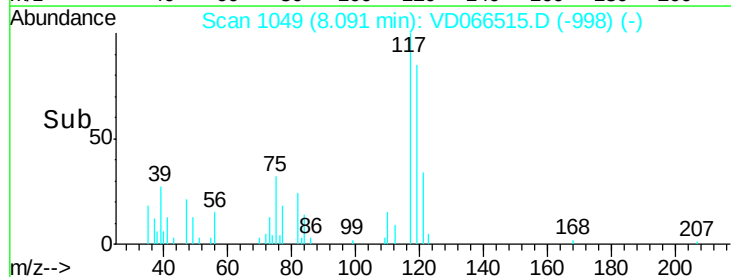
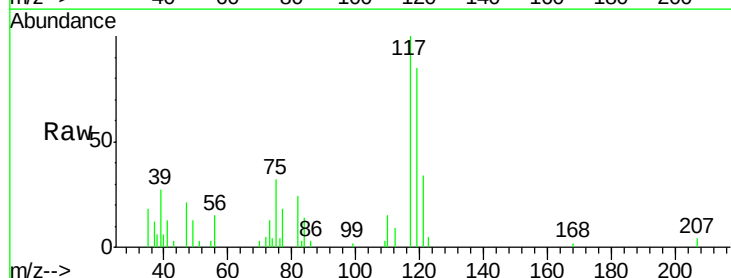
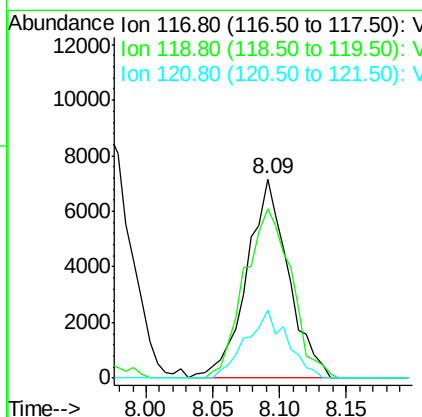
Manual Integrations
APPROVED

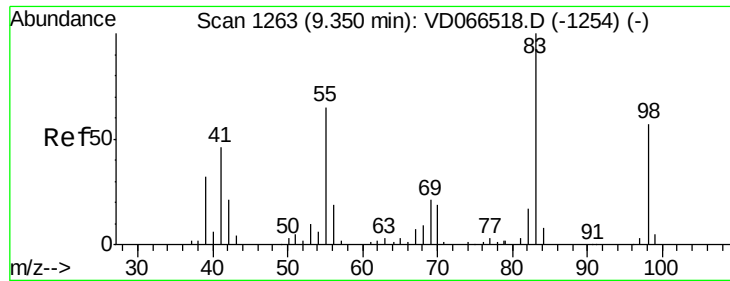
MMDadoda
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#38
Carbon Tetrachloride
Concen: 4.870 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.8	73.9	110.9
121	34.0	25.6	38.4





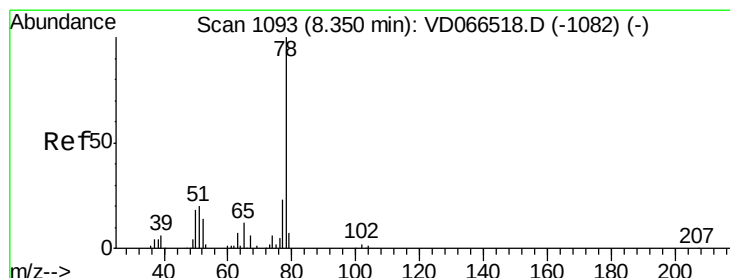
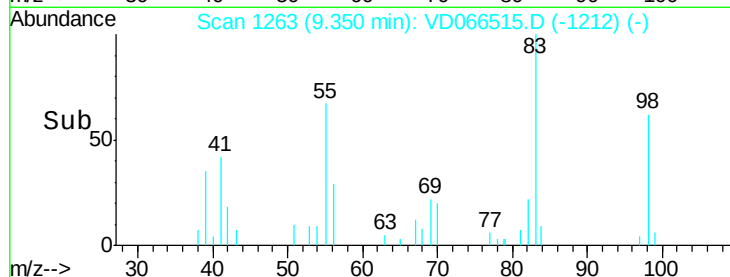
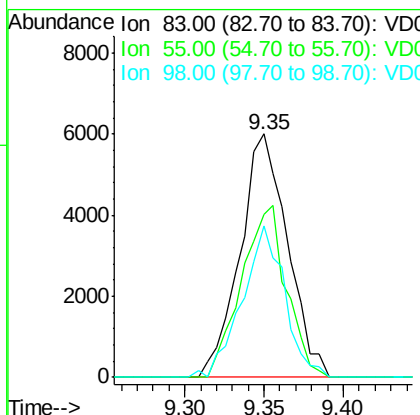
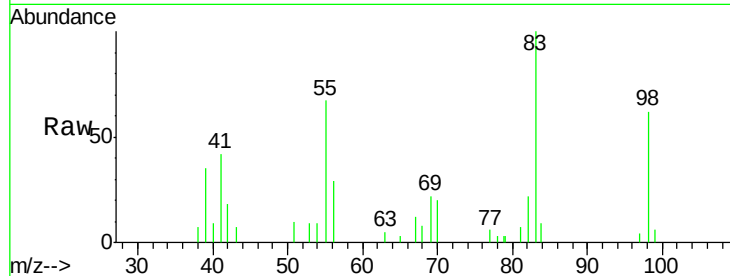
#39
Methylvlcyclohexane
Concen: 5.115 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.9	52.2	78.2
98	62.2	45.6	68.4

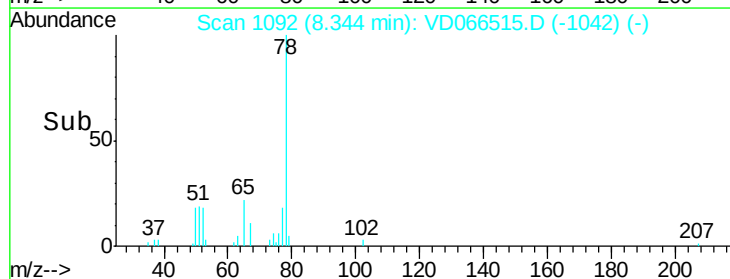
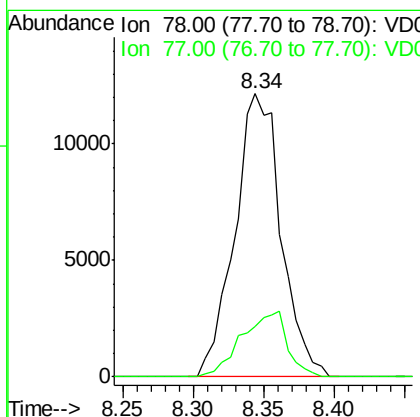
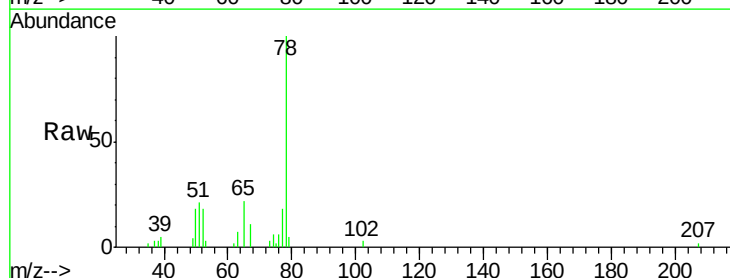
Manual Integrations
APPROVED

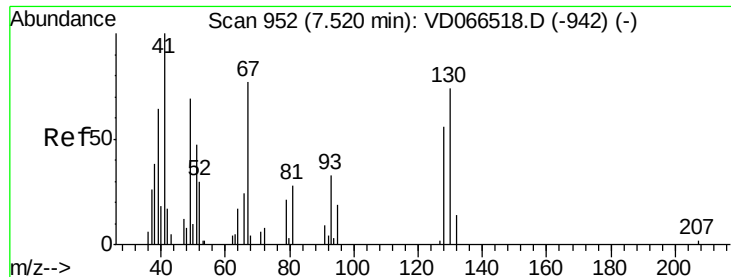
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#40
Benzene
Concen: 5.179 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	17.8	18.1	27.1#





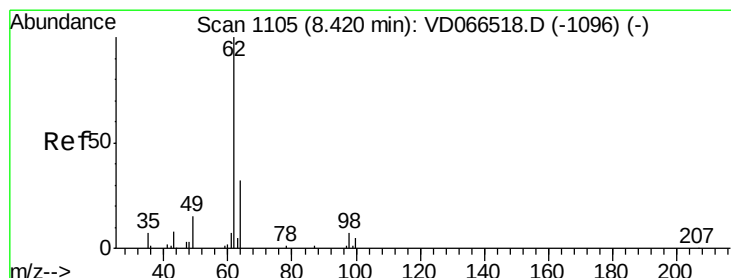
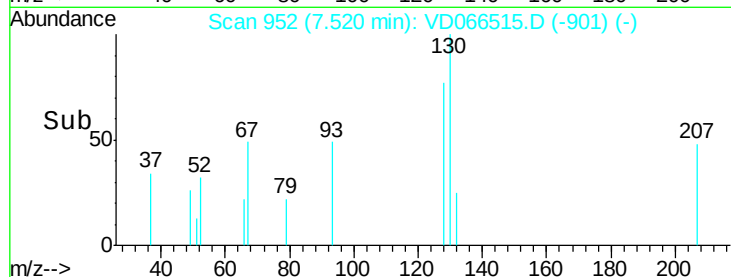
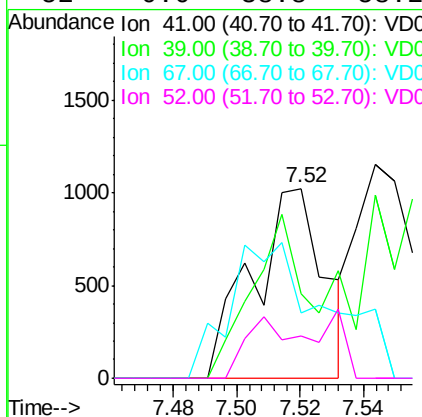
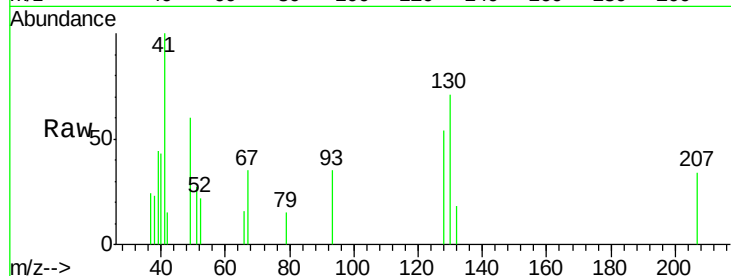
#41
Methacrylonitrile
Concen: 4.499 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.7	0.0	0.0#	
67	96.7	85.0	127.4	
52	0.0	38.8	58.2#	

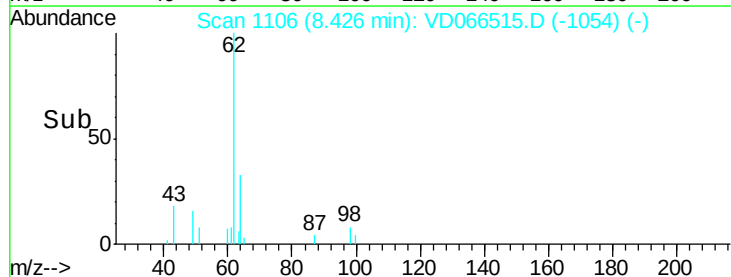
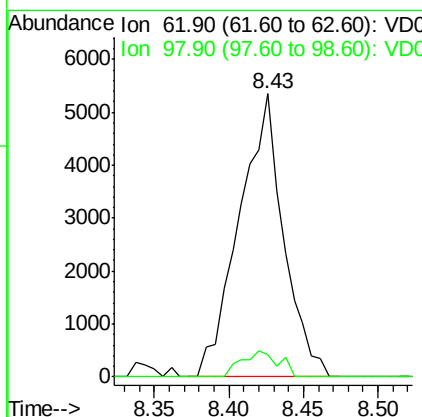
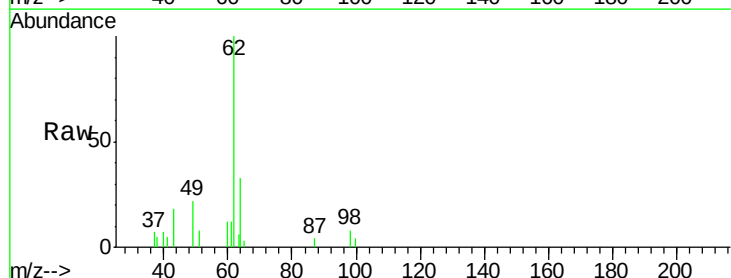
Manual Integrations
APPROVED

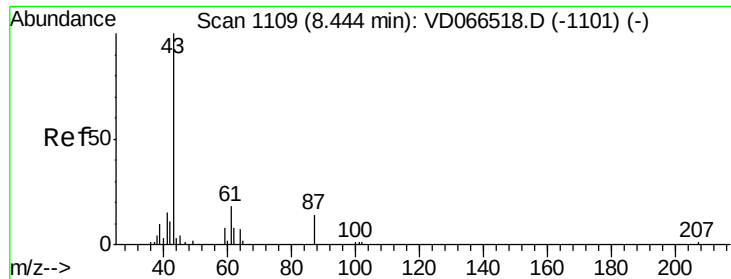
MMDadoda
9/3/2020 4:57:10 PM



#42
1,2-Dichloroethane
Concen: 4.844 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	15.2	





#43

Isopropyl Acetate

Concen: 4.848 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

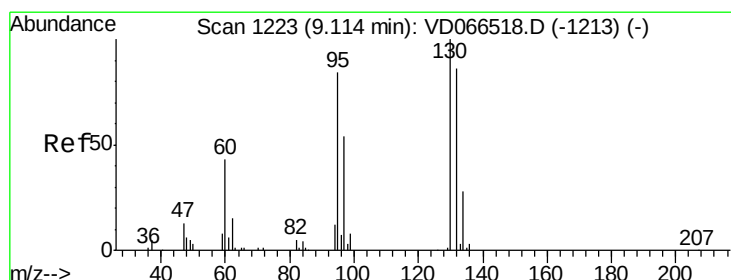
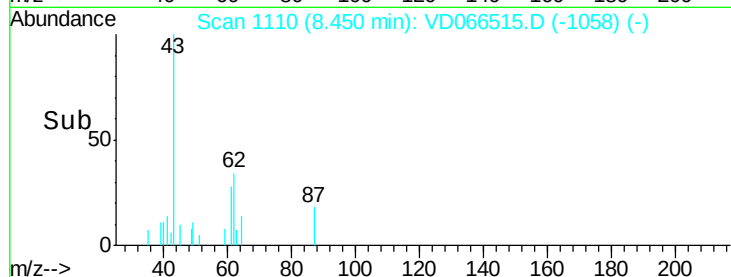
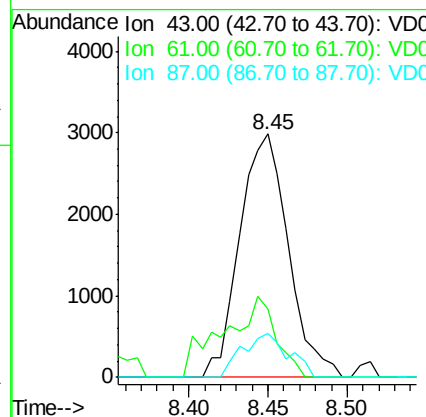
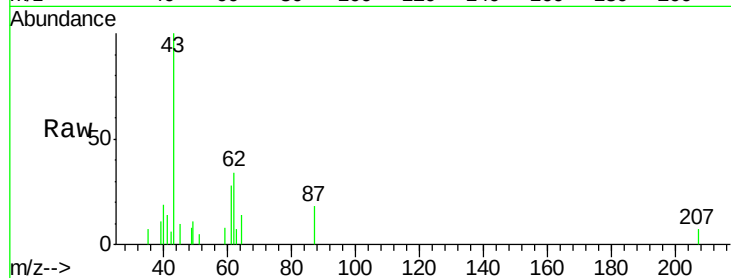
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	6359
Ion	Ratio	Lower	Upper
43	100		
61	36.1	26.9	40.3
87	17.1	12.9	19.3

Manual Integrations
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#44

Trichloroethene

Concen: 5.223 ug/l

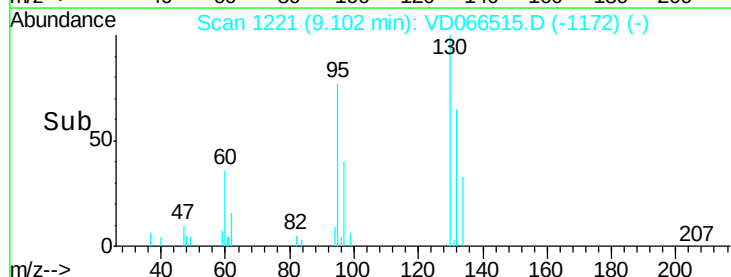
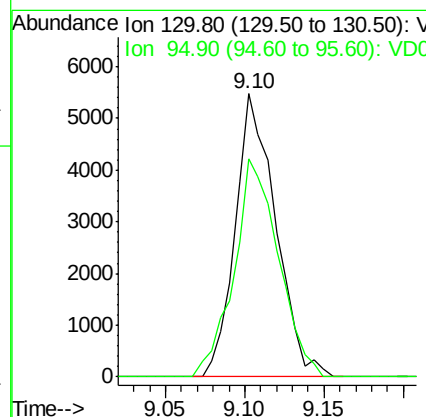
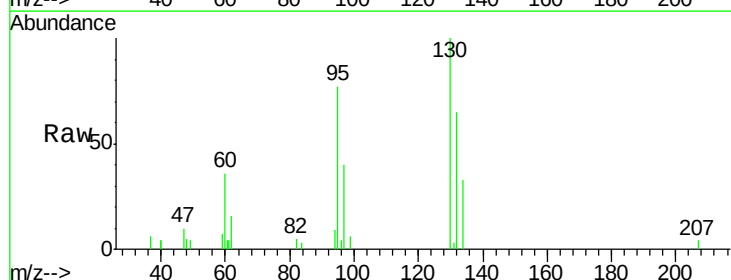
RT: 9.10 min Scan# 1221

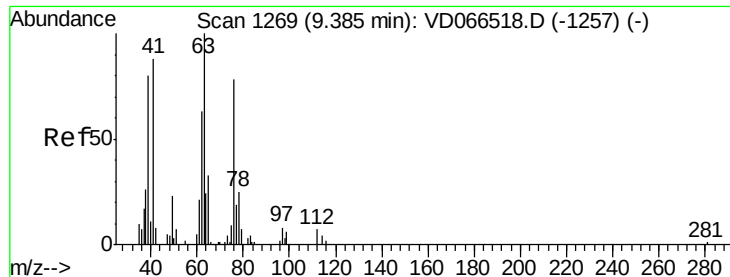
Delta R.T. -0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Tgt Ion:	130	Resp:	9700
Ion	Ratio	Lower	Upper
130	100		
95	77.1	0.0	167.2





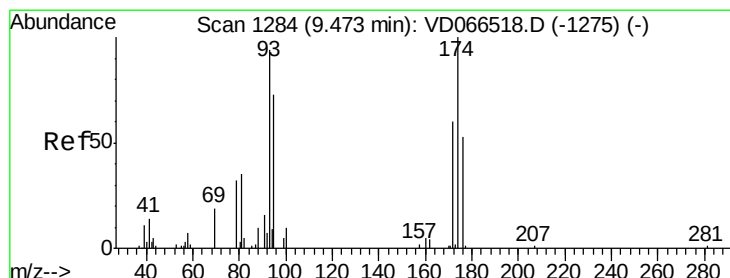
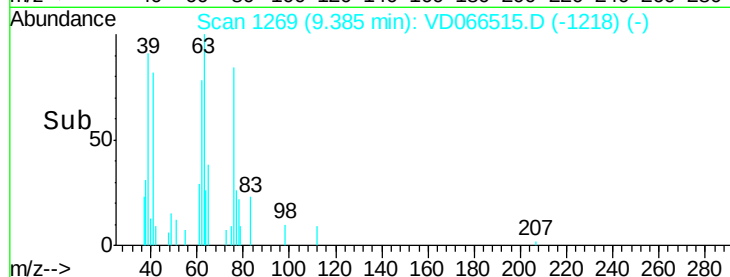
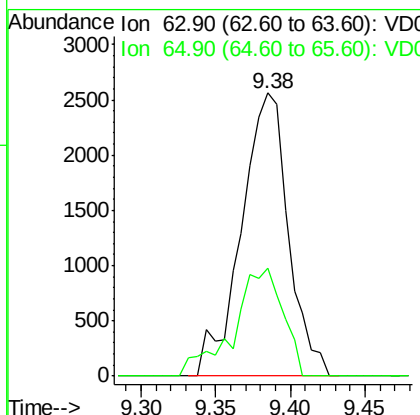
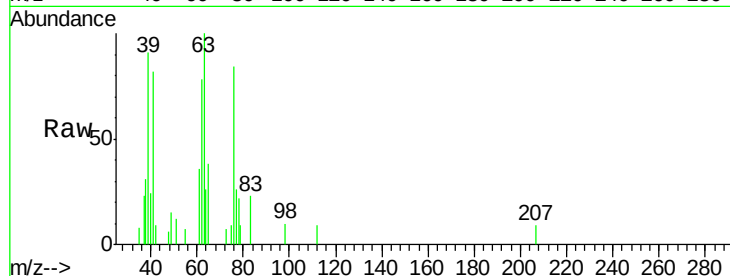
#45
 1,2-Dichloropropane
 Concen: 5.247 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	38.2	26.2	39.4

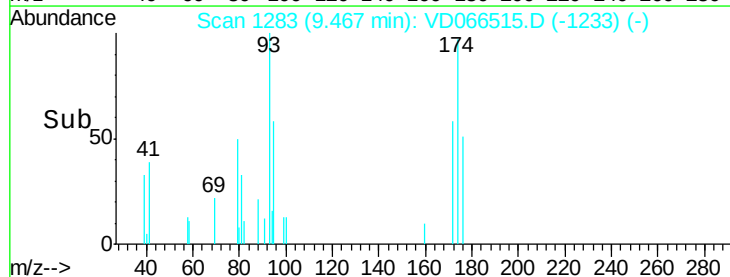
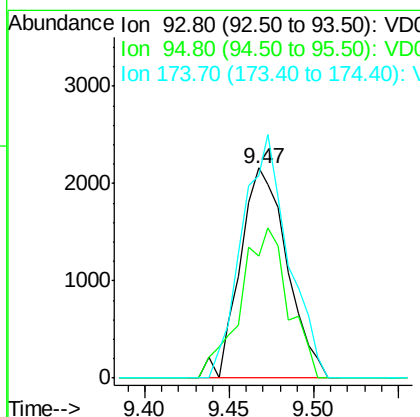
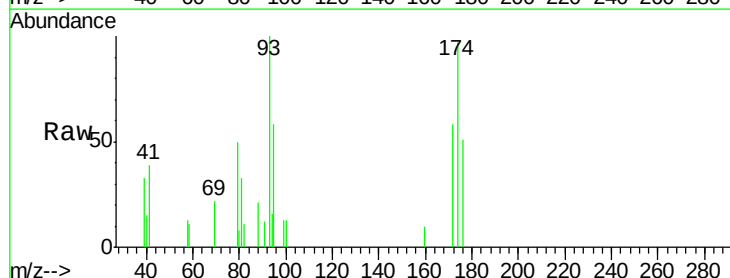
Manual Integrations
 APPROVED

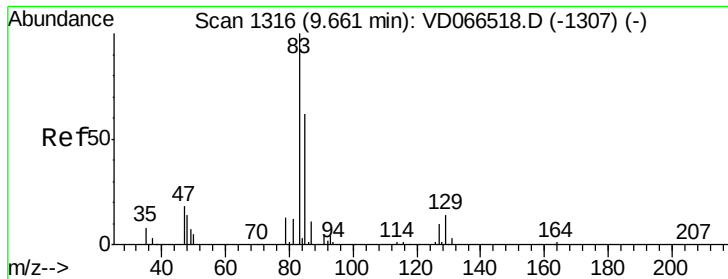
MMDadoda
 9/3/2020 4:57:10 PM



#46
 Dibromomethane
 Concen: 5.334 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	72.5	63.9	95.9
174	114.0	94.4	141.6





#47

Bromodichloromethane

Concen: 5.089 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

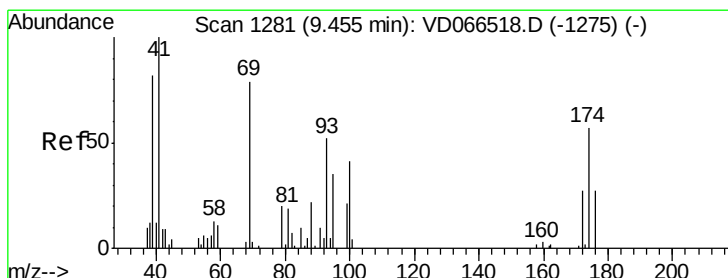
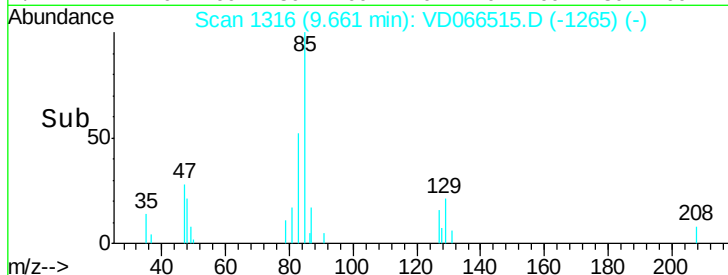
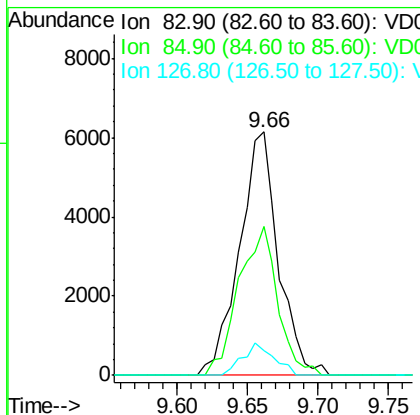
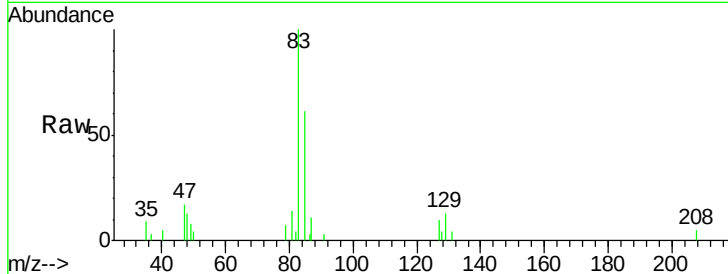
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	11823
Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.6	74.4
127	10.1	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.968 ug/l

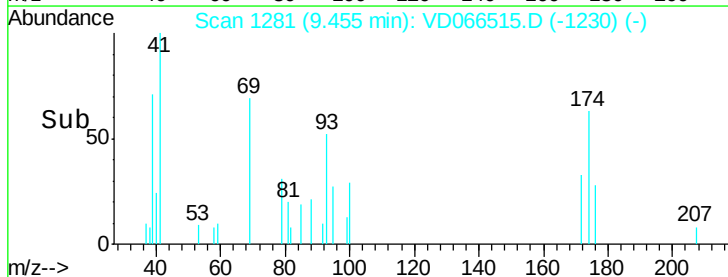
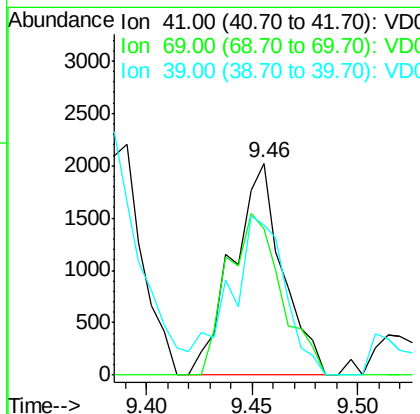
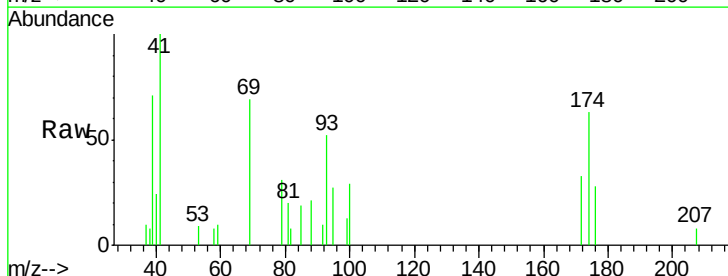
RT: 9.46 min Scan# 1281

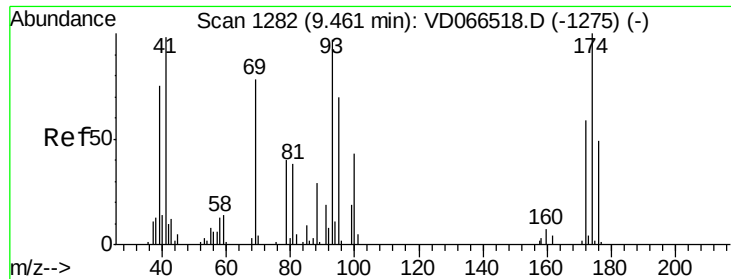
Delta R.T. -0.00 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Tgt Ion:	41	Resp:	3321
Ion	Ratio	Lower	Upper
41	100		
69	82.1	71.1	106.7
39	82.1	75.4	113.2





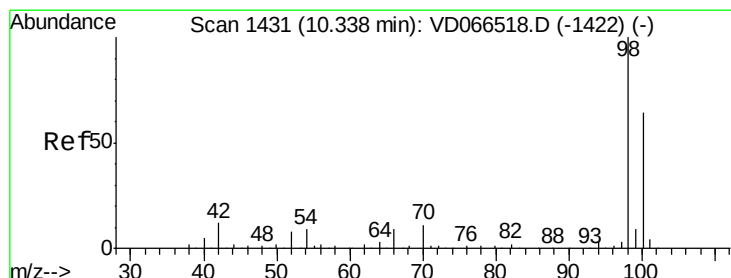
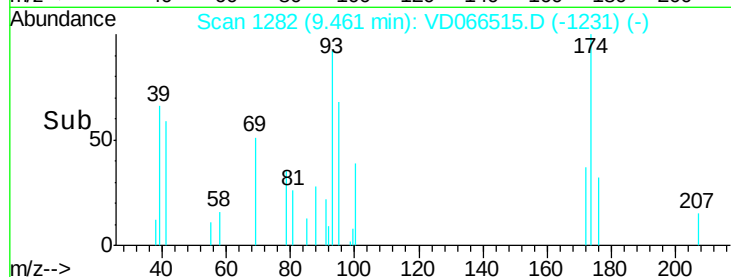
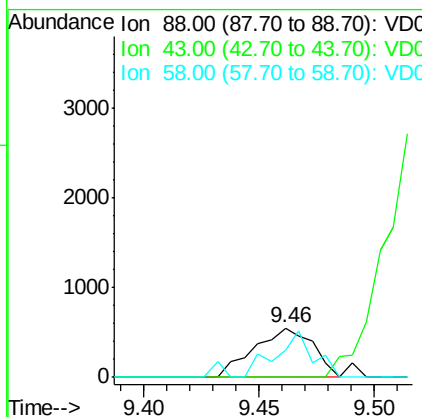
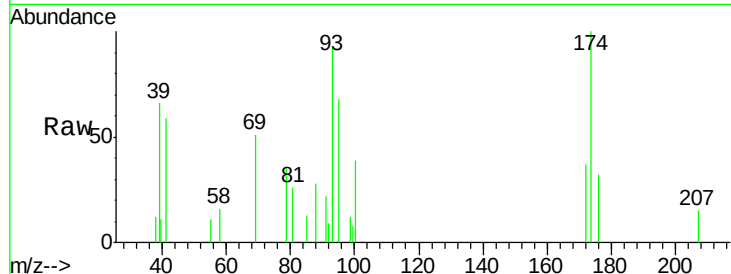
#49
 1,4-Dioxane
 Concen: 106.664 ug/l m
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	88	Resp	975
Ion	Ratio	Lower	Upper
88	100		
43	0.0	33.8	50.6#
58	60.8	46.2	69.4

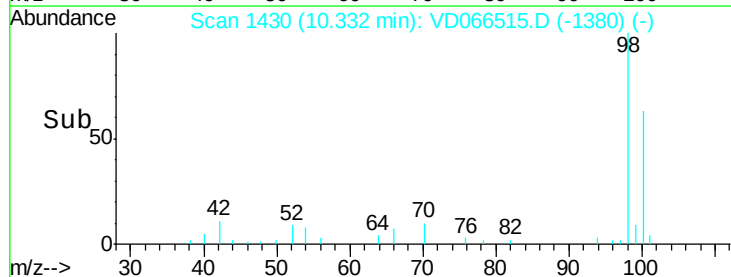
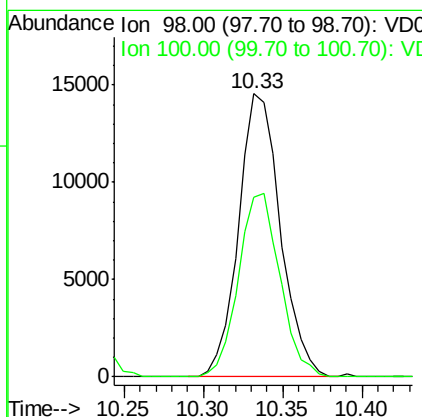
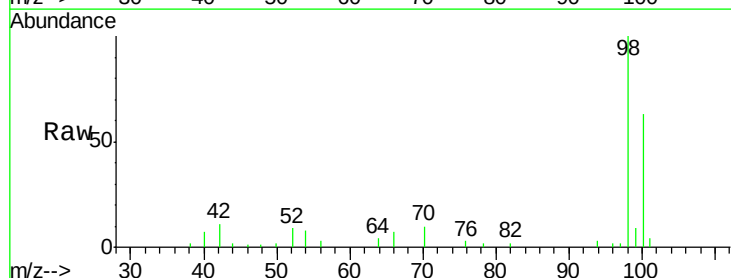
Manual Integrations
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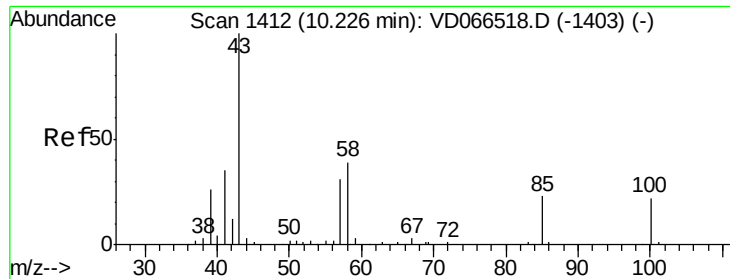
MMDadoda
 9/3/2020 4:57:10 PM



#50
 Toluene-d8
 Concen: 4.954 ug/l
 RT: 10.33 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Tgt Ion	98	Resp	26623
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 23.920 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 14427

Ion Ratio Lower Upper

43 100

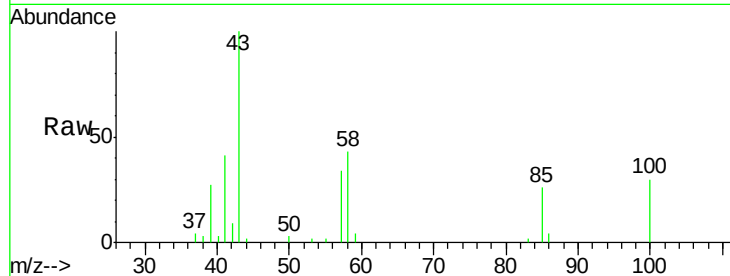
58 41.1 31.5 47.3

Manual Integrations

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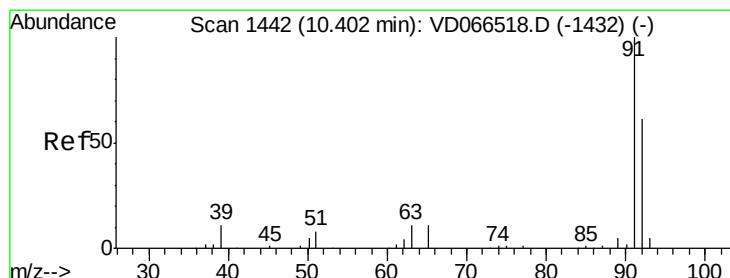
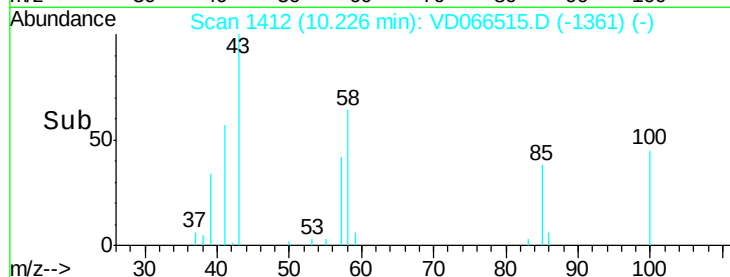
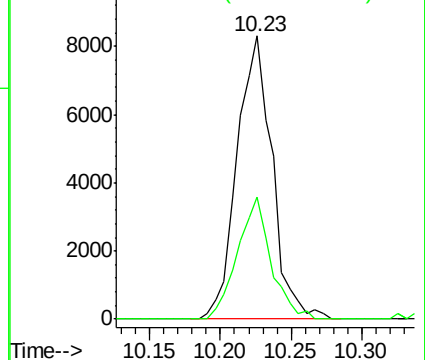
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 5.157 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066515.D

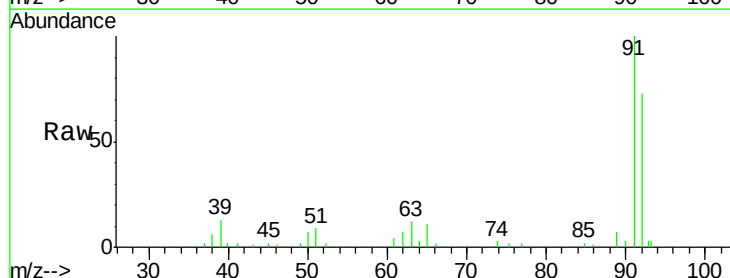
Acq: 02 Sep 2020 11:22

Tgt Ion: 92 Resp: 19738

Ion Ratio Lower Upper

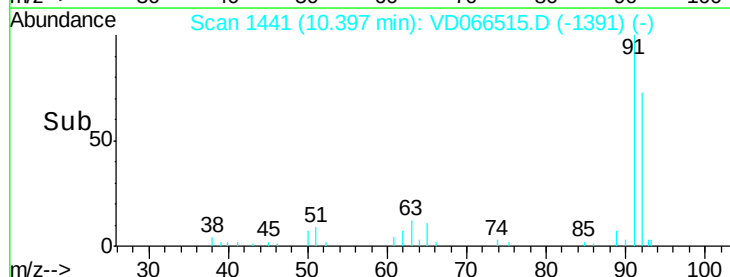
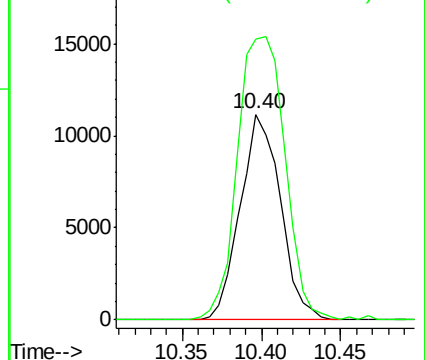
92 100

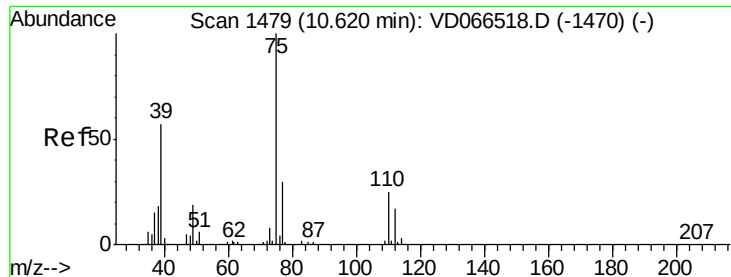
91 162.9 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





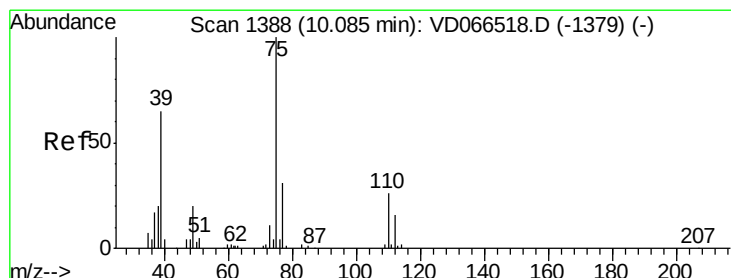
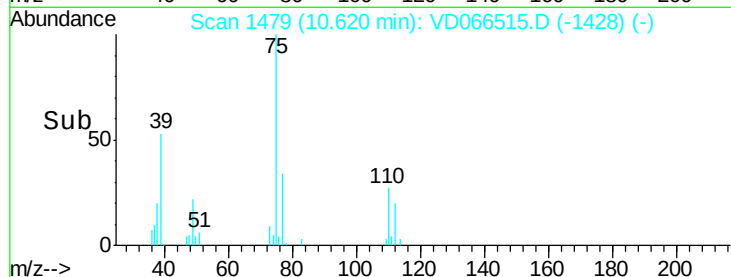
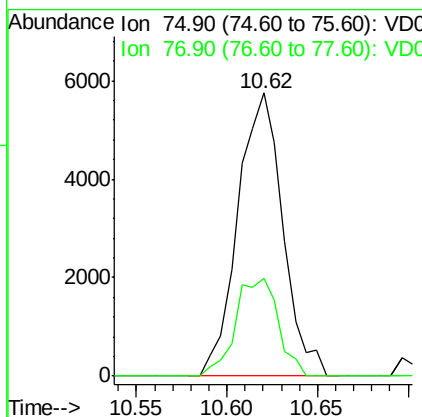
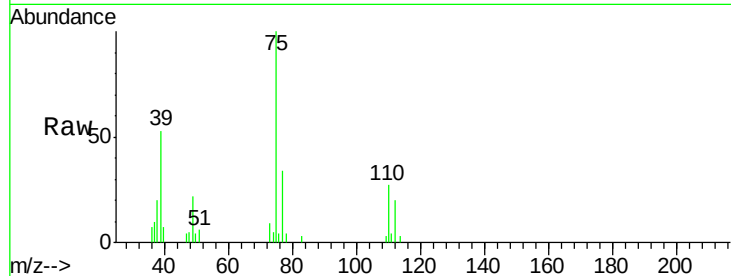
#53
 t-1,3-Dichloropropene
 Concen: 4.668 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 9908
 Ion Ratio Lower Upper
 75 100
 77 34.4 23.7 35.5

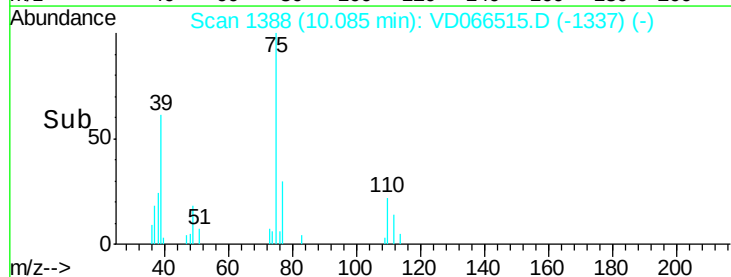
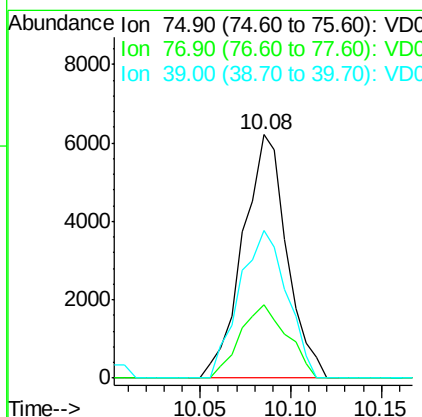
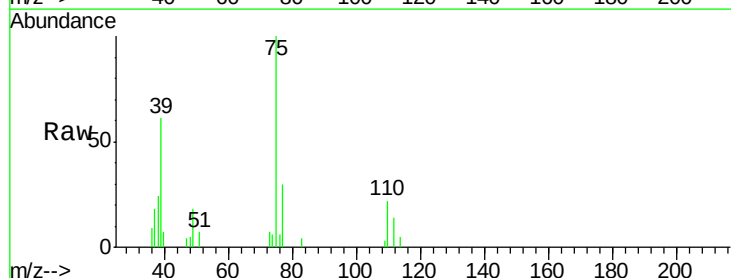
Manual Integrations
 APPROVED

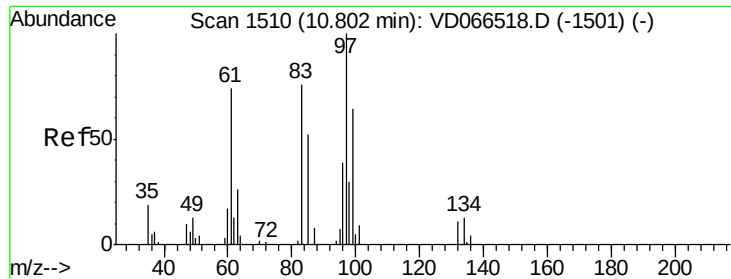
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 4.693 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Tgt Ion: 75 Resp: 10493
 Ion Ratio Lower Upper
 75 100
 77 30.0 24.5 36.7
 39 60.7 52.4 78.6





#55

1,1,2-Trichloroethane

Concen: 4.858 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

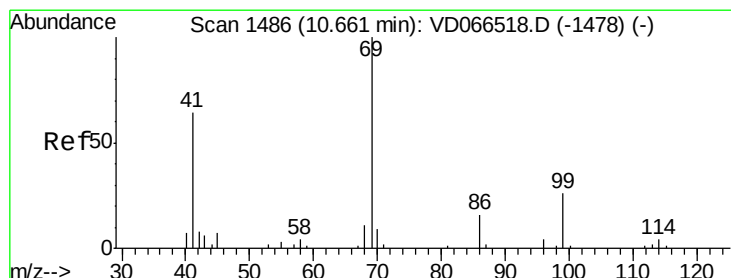
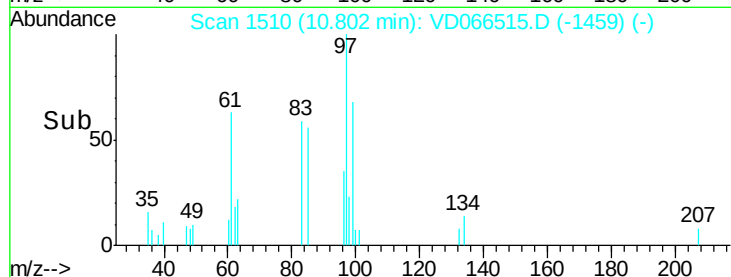
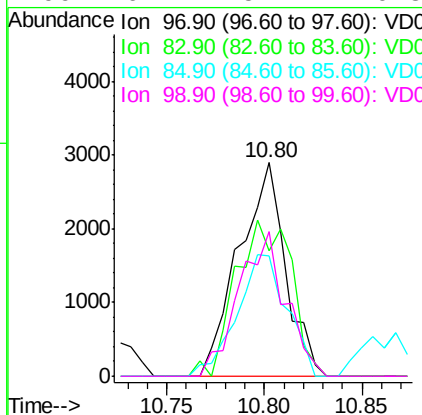
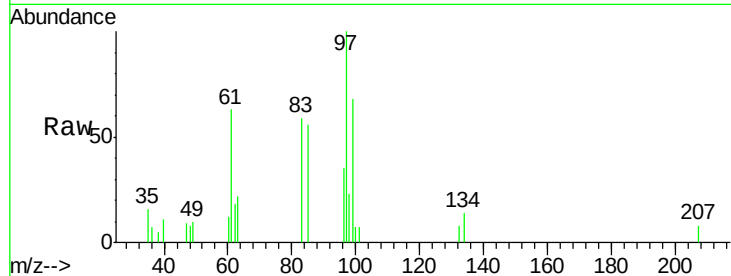
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	4798
Ion	Ratio	Lower	Upper
97	100		
83	59.0	61.2	91.8#
85	56.1	42.0	63.0
99	67.7	51.2	76.8

Manual Integrations
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9/3/2020 4:57:10 PM



#56

Ethyl methacrylate

Concen: 4.683 ug/l

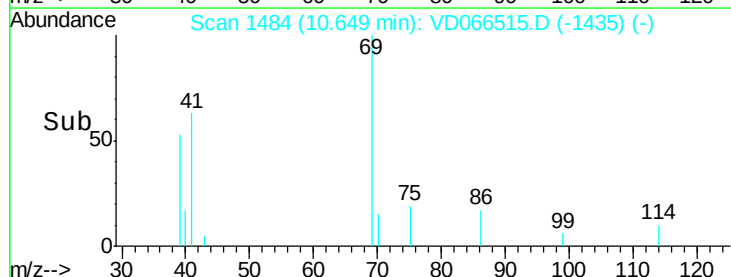
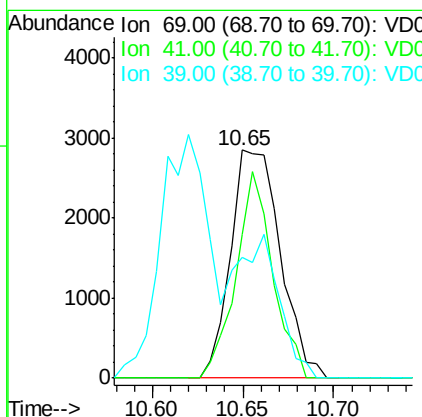
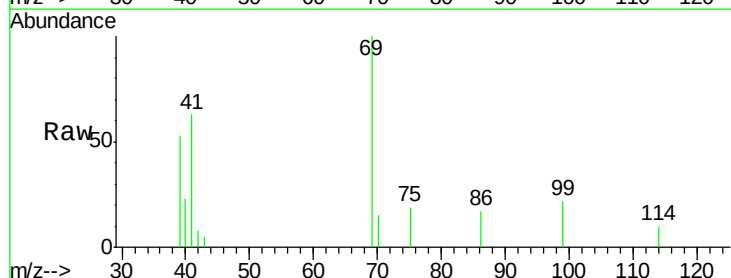
RT: 10.65 min Scan# 1484

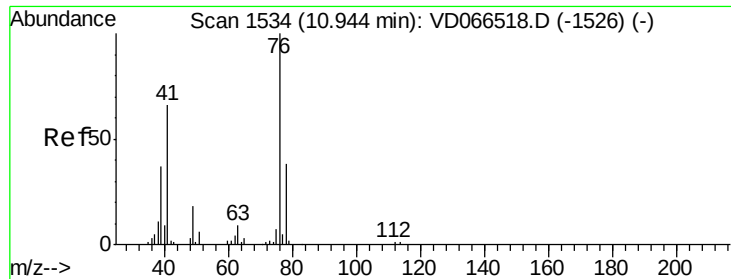
Delta R.T. -0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Tgt Ion:	69	Resp:	5443
Ion	Ratio	Lower	Upper
69	100		
41	66.7	52.5	78.7
39	46.6	42.1	63.1





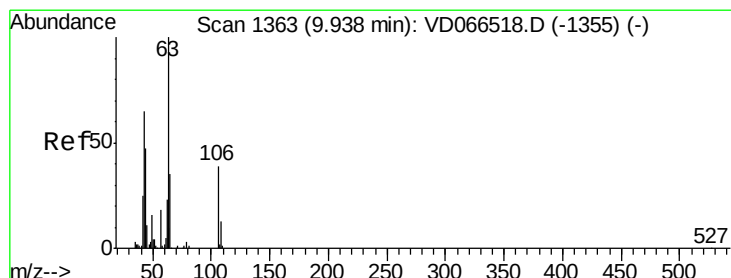
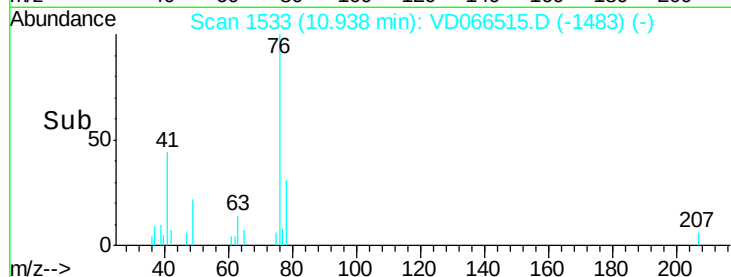
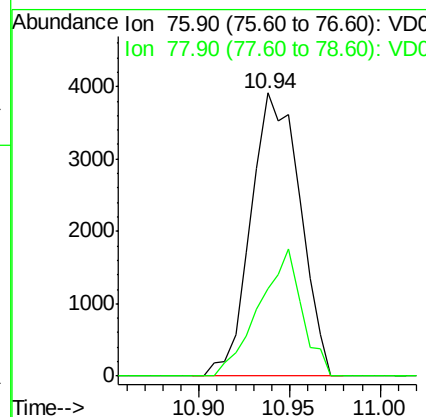
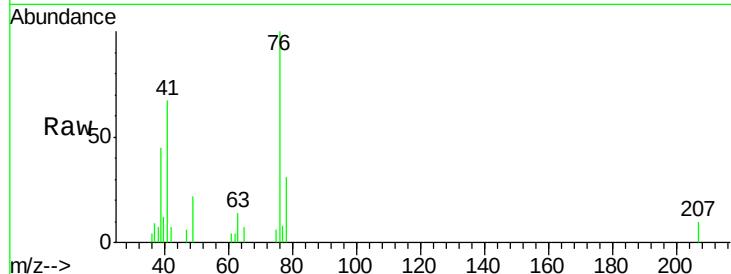
#57
 1,3-Dichloropropane
 Concen: 4.532 ug/l
 RT: 10.94 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	39.0	28.2	42.2

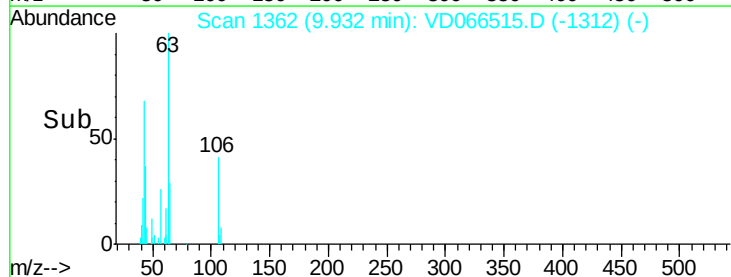
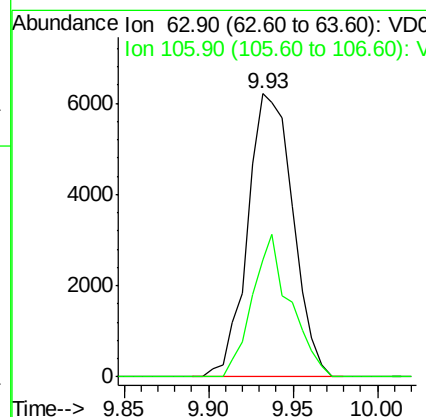
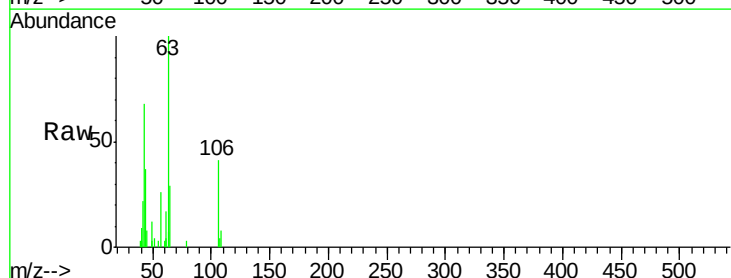
Manual Integrations
 APPROVED

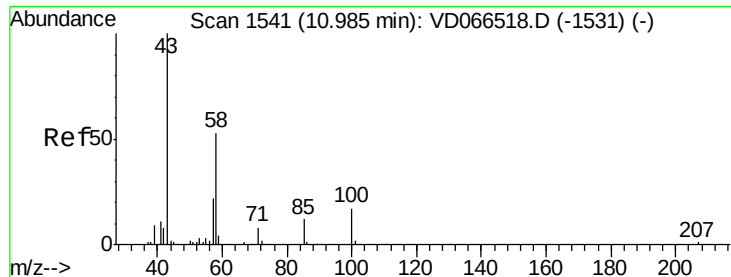
MMDadoda
 9/3/2020 4:57:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.510 ug/l
 RT: 9.93 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	42.3	32.1	48.1





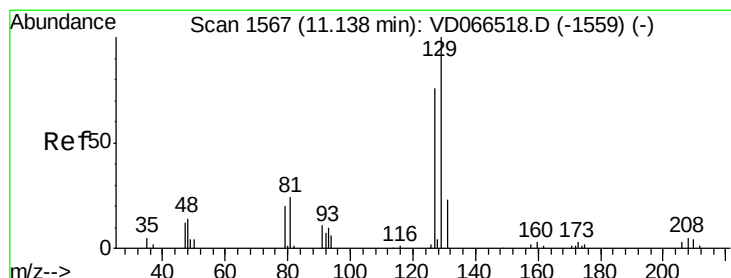
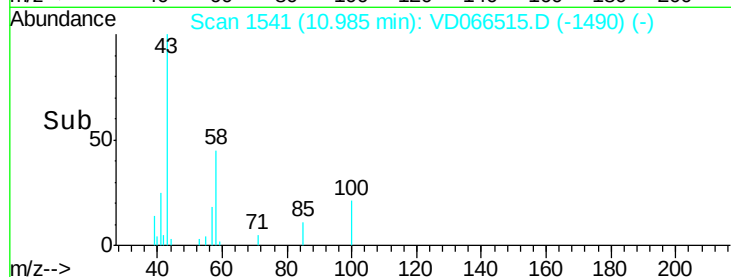
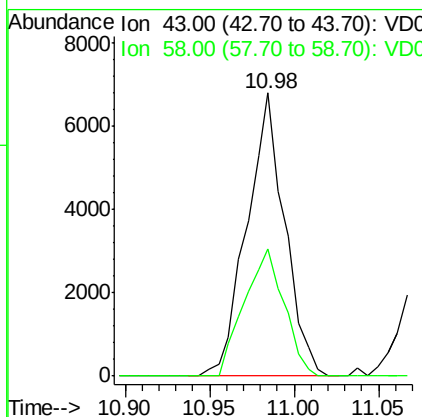
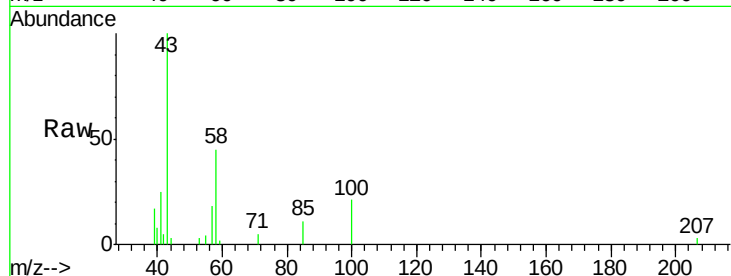
#59
2-Hexanone
Concen: 24.247 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 10562
Ion Ratio Lower Upper
43 100
58 47.3 25.7 77.0

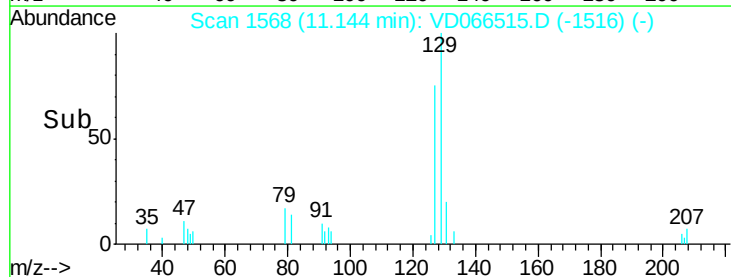
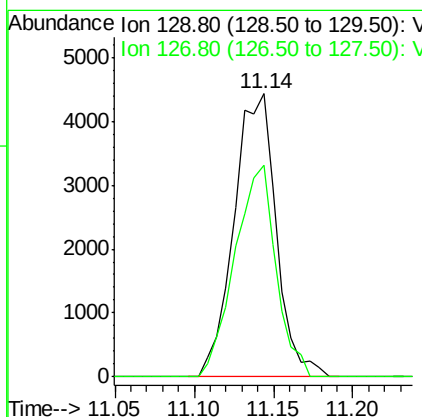
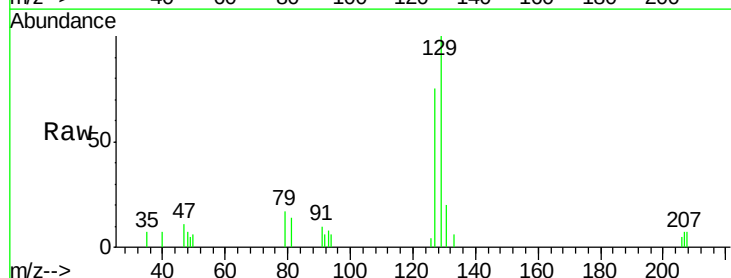
Manual Integrations
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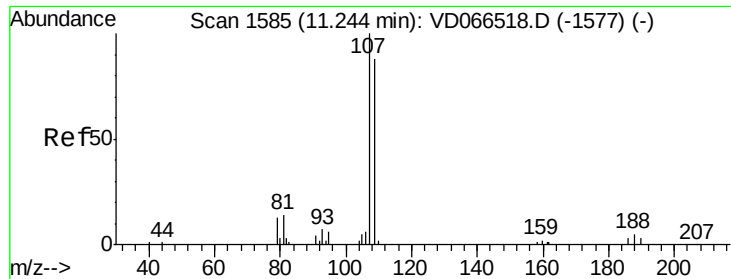
MMDadoda
9/3/2020 4:57:10 PM



#60
Dibromochloromethane
Concen: 5.017 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion: 129 Resp: 8194
Ion Ratio Lower Upper
129 100
127 72.6 38.2 114.6





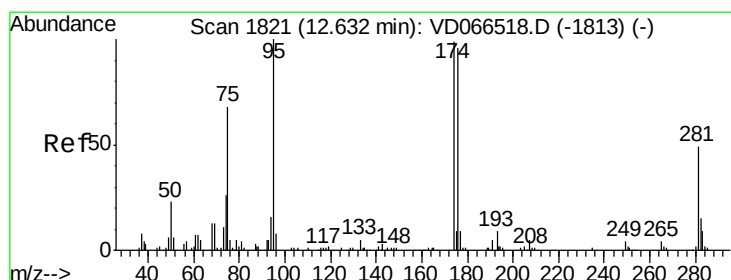
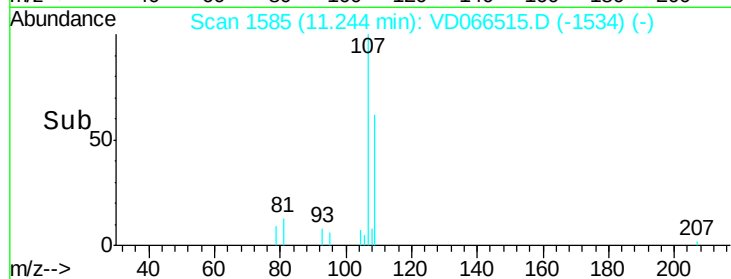
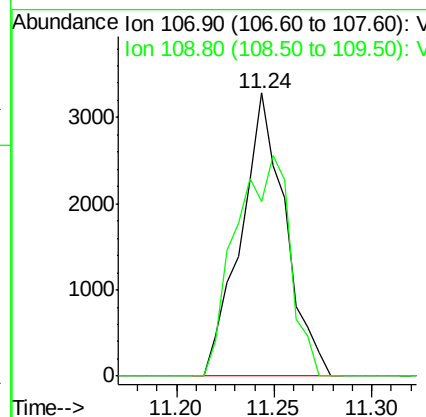
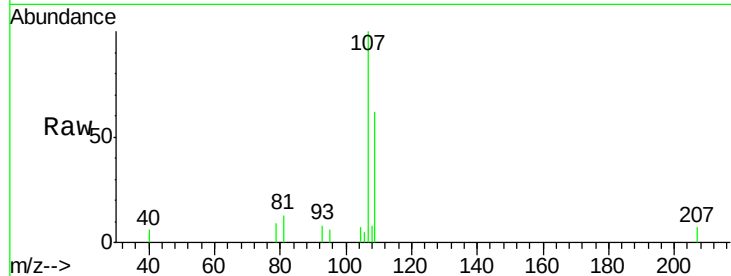
#61
 1,2-Dibromoethane
 Concen: 5.143 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8

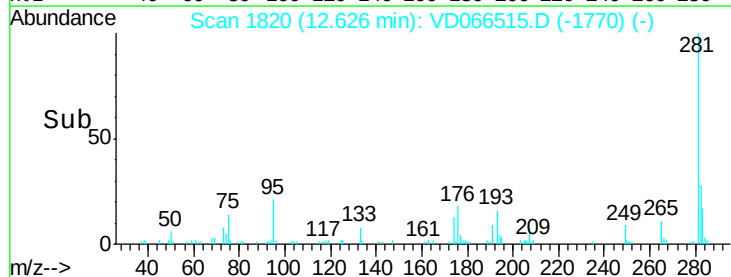
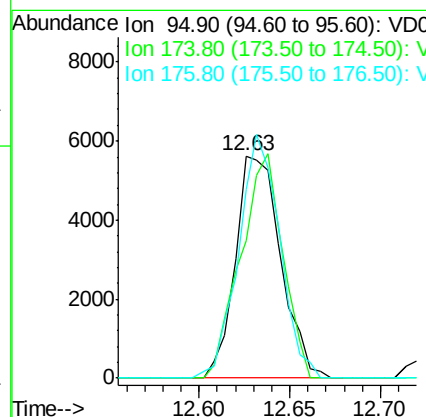
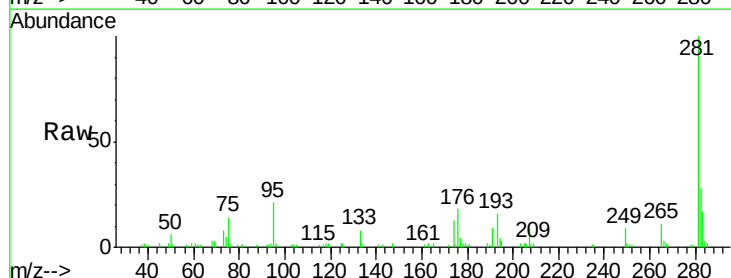
Manual Integrations
 APPROVED

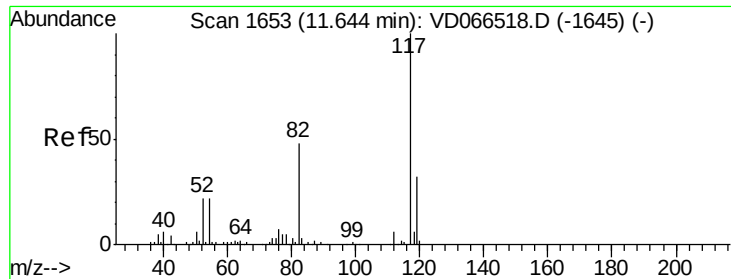
MMDadoda
 9/3/2020 4:57:10 PM



#62
 4-Bromofluorobenzene
 Concen: 5.117 ug/l
 RT: 12.63 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.2	0.0	203.2
176	99.1	0.0	198.6





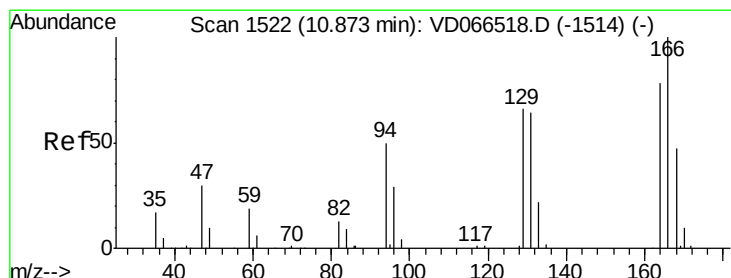
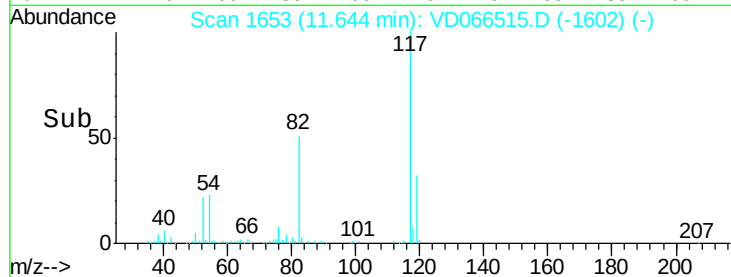
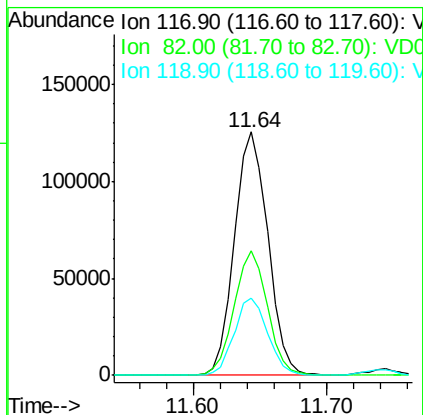
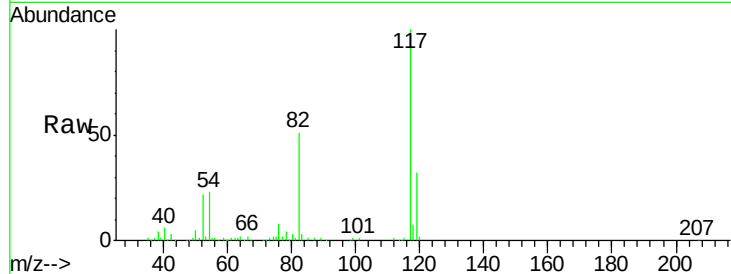
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	38.5	57.7
119	31.8	25.9	38.9

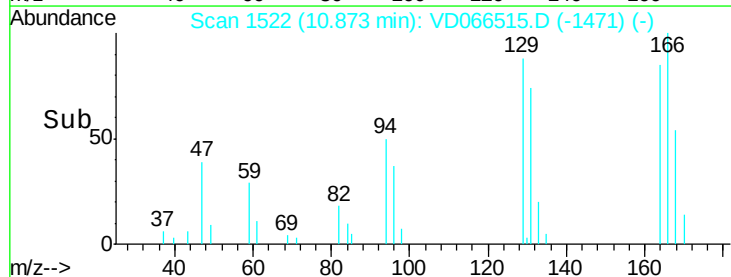
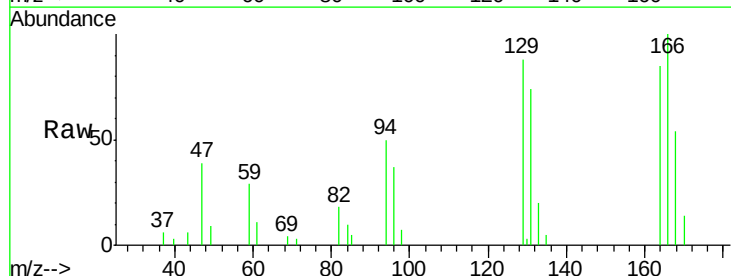
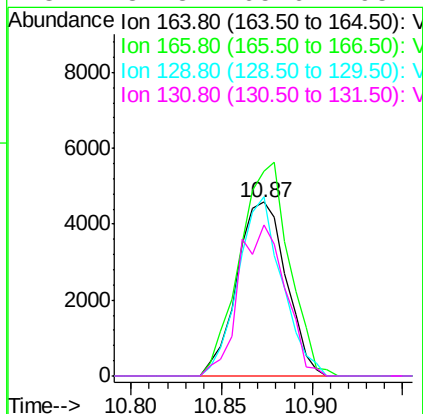
Manual Integrations
APPROVED

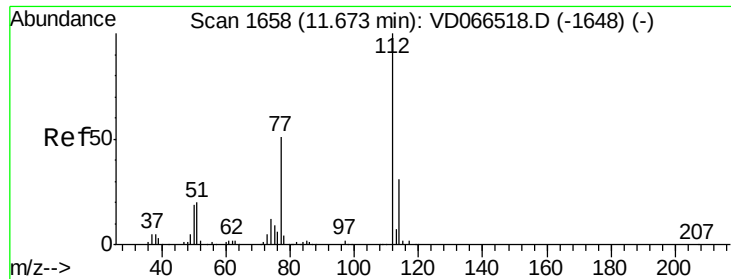
MMDadoda
9/3/2020 4:57:10 PM



#64
Tetrachloroethene
Concen: 5.109 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.1	103.0	154.6
129	103.4	68.3	102.5#
131	87.3	65.6	98.4





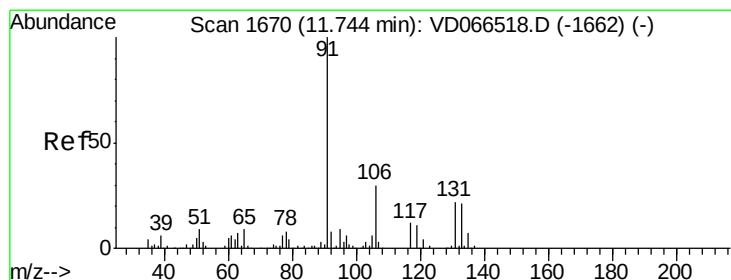
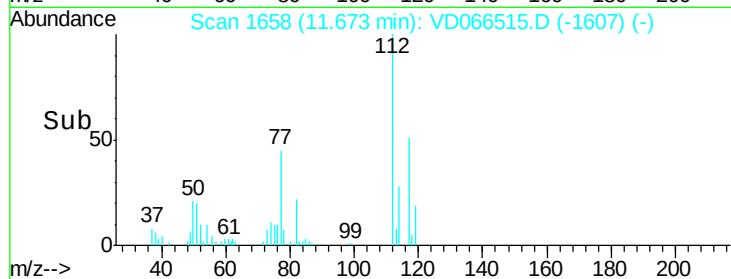
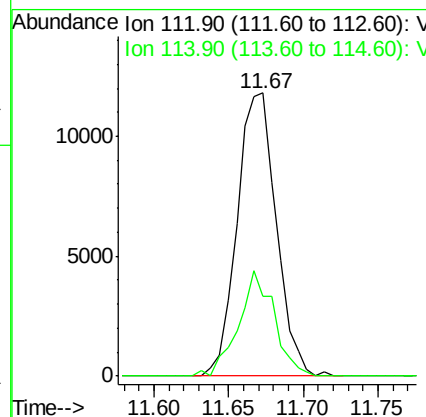
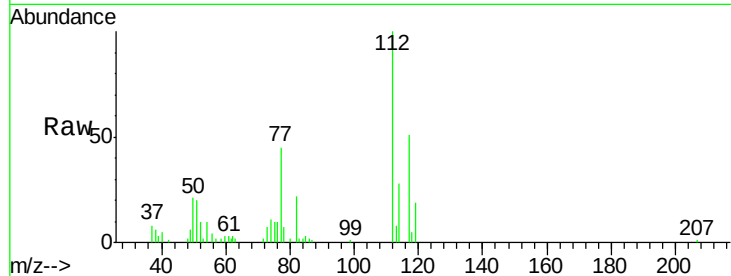
#65
Chlorobenzene
Concen: 5.012 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	28.1	24.8	37.2

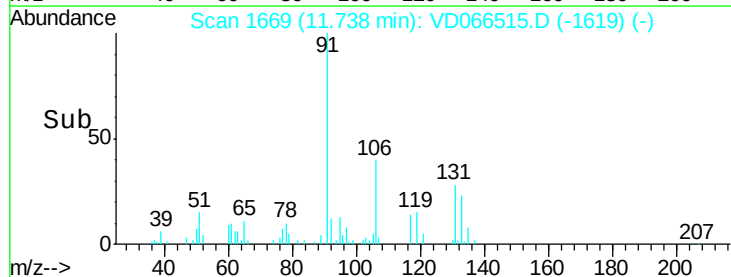
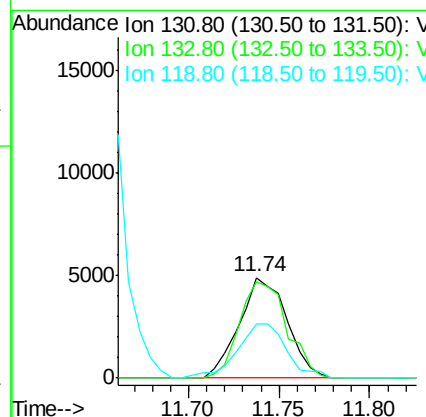
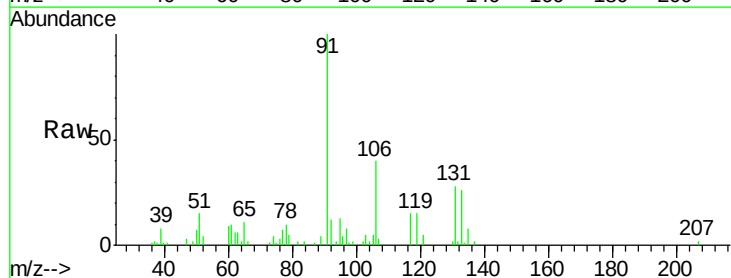
Manual Integrations
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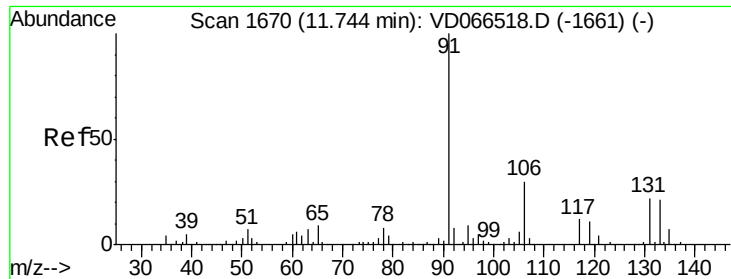
MMDadoda
9/3/2020 4:57:10 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.958 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.5	142.5
119	55.5	27.2	81.6





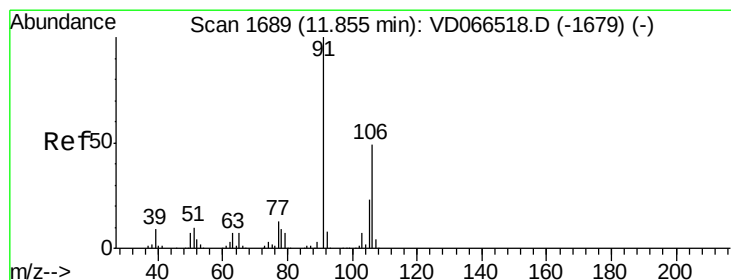
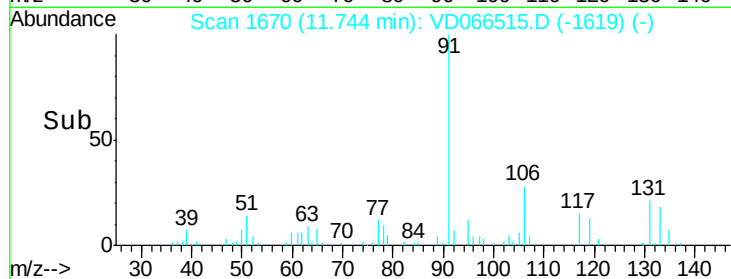
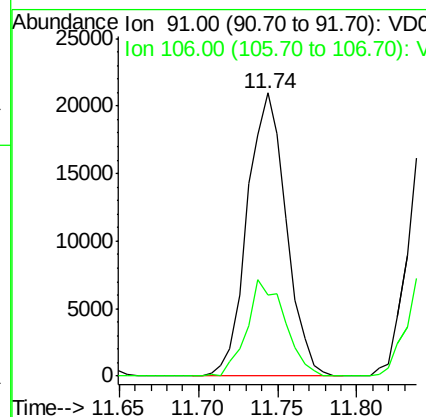
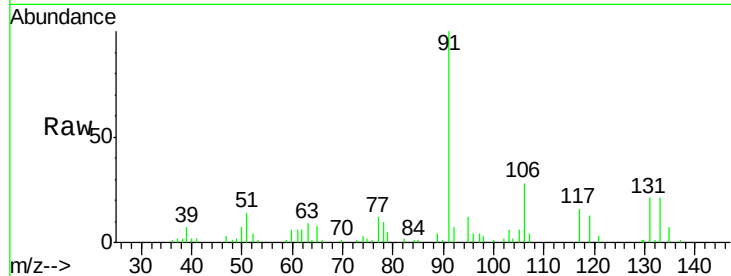
#67
Ethyl Benzene
Concen: 4.730 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 35725
Ion Ratio Lower Upper
91 100
106 28.5 24.0 36.0

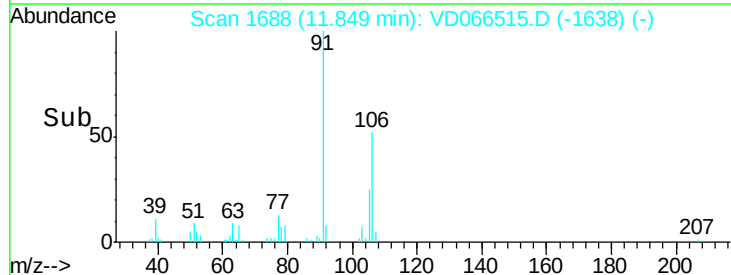
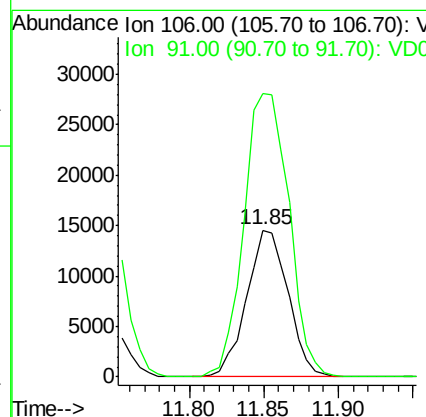
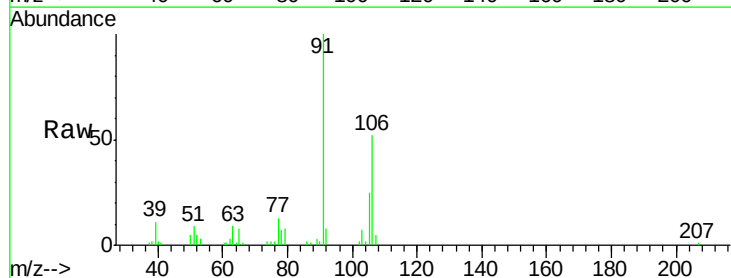
Manual Integrations
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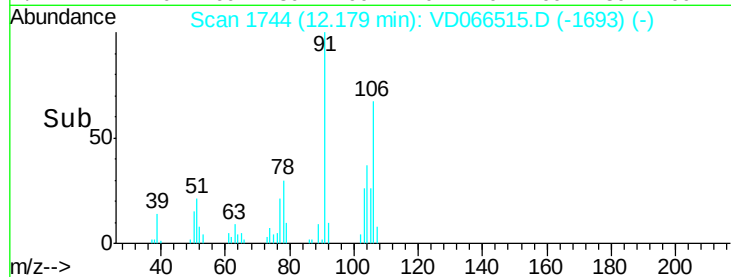
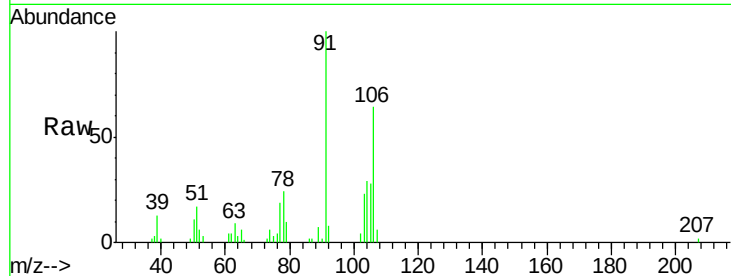
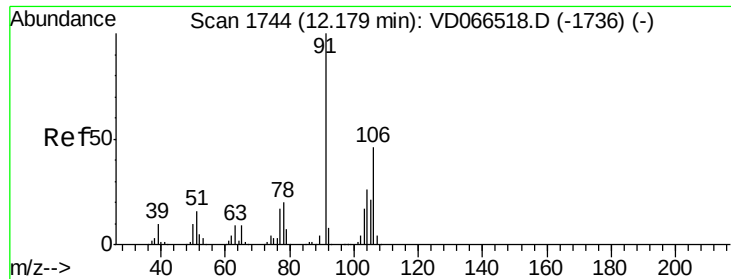
MMDadoda
9/3/2020 4:57:10 PM



#68
m/p-Xylenes
Concen: 9.536 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion: 106 Resp: 27869
Ion Ratio Lower Upper
106 100
91 210.2 163.3 244.9





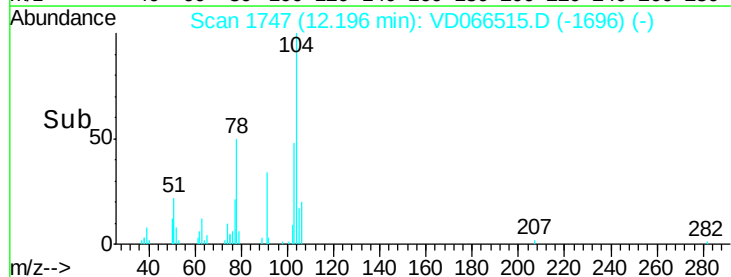
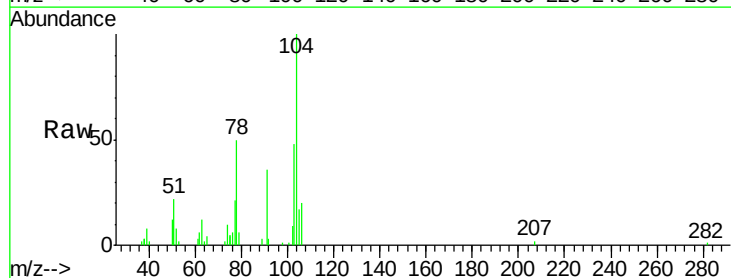
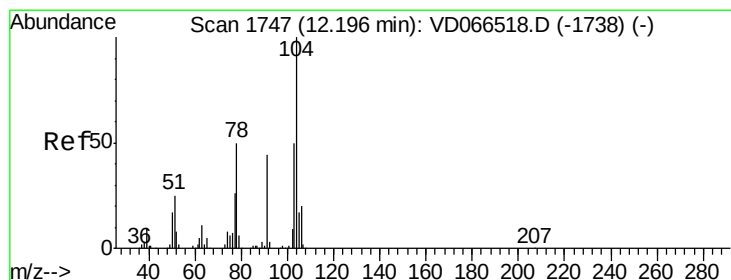
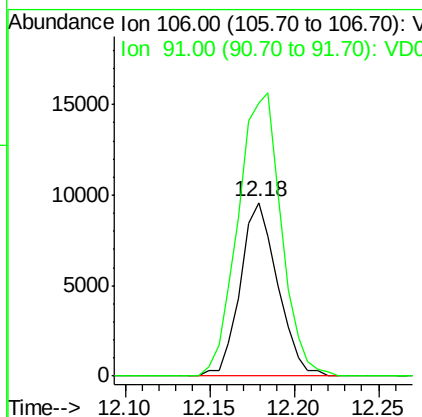
#69
o-Xylene
Concen: 5.337 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tot Ion:106 Resp: 14773
Ion Ratio Lower Upper
106 100
91 188.6 108.7 326.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

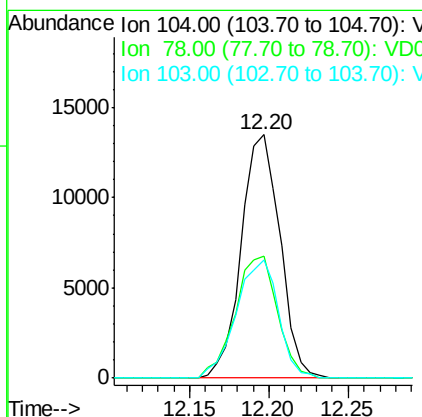
Manual Integrations
APPROVED

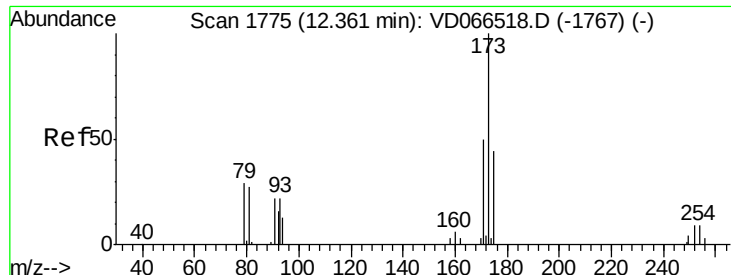
MMDadoda
9/3/2020 4:57:10 PM



#70
Styrene
Concen: 4.841 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion:104 Resp: 22942
Ion Ratio Lower Upper
104 100
78 54.8 44.3 66.5
103 52.6 44.1 66.1





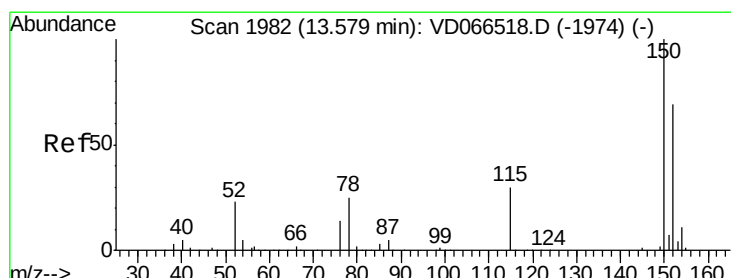
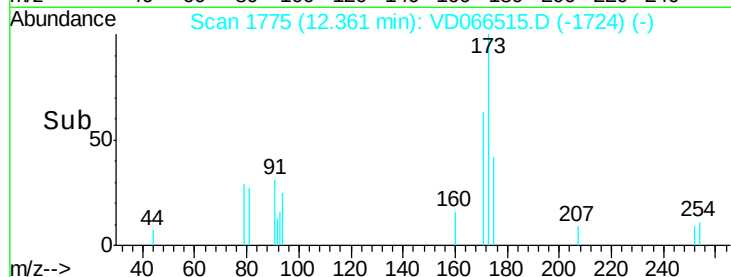
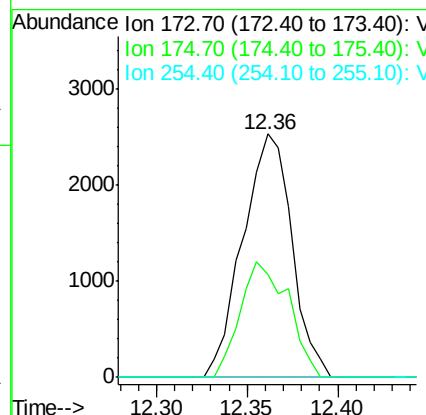
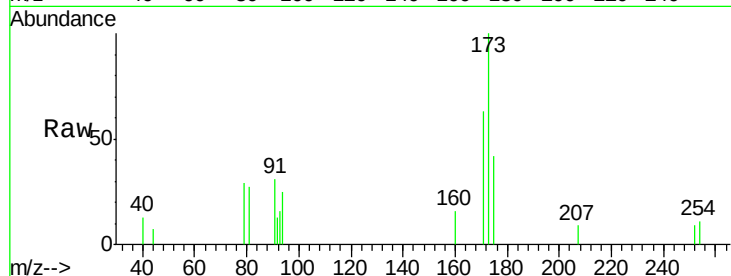
#71
Bromoform
Concen: 4.786 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	22.3	66.8
254	0.0	0.0	0.0

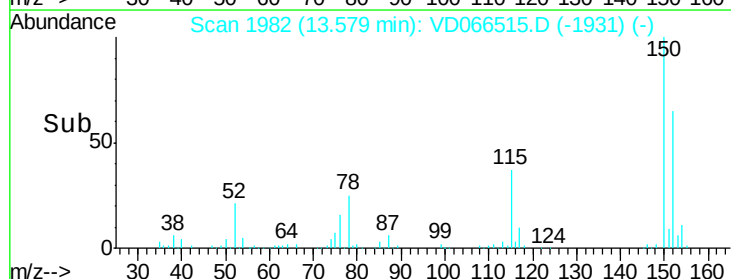
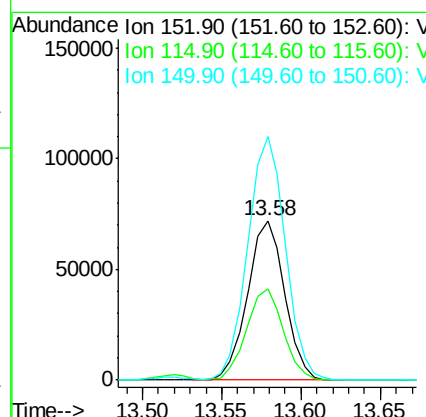
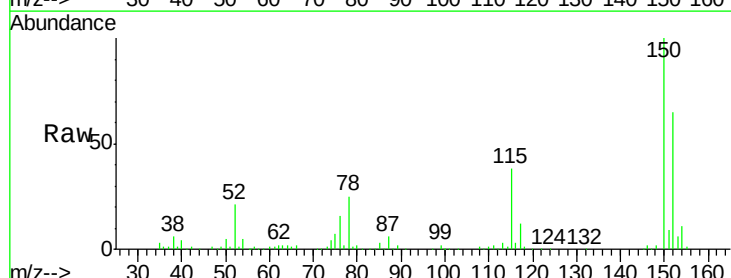
Manual Integrations
APPROVED

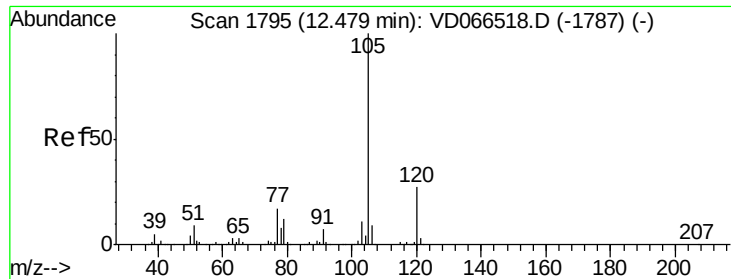
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.9	86.8
150	155.0	0.0	339.6





#73

Isopropylbenzene

Concen: 4.778 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 37308

Ion Ratio Lower Upper

105 100

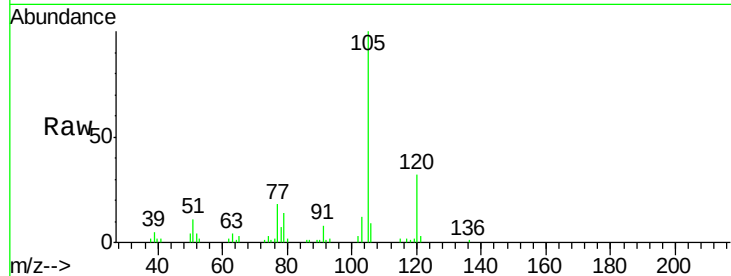
120 28.0 13.5 40.5

Manual Integrations

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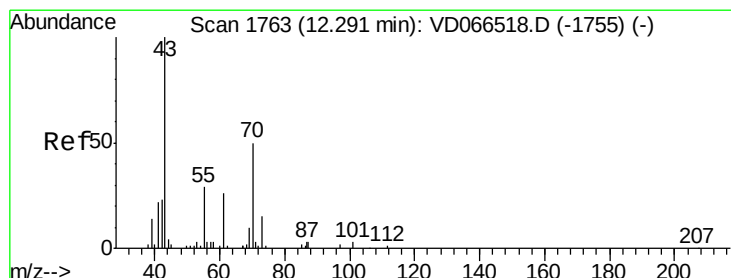
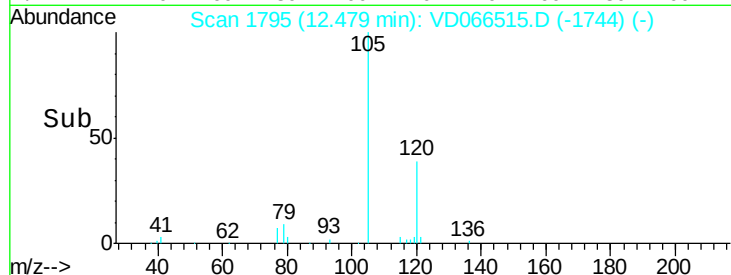
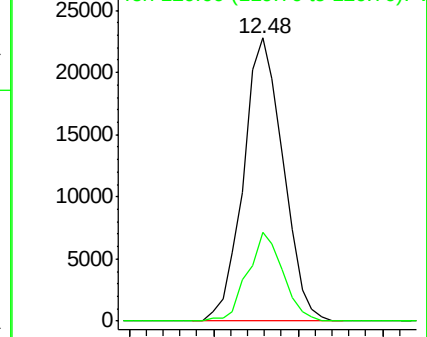
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.273 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Tgt Ion: 43 Resp: 5031

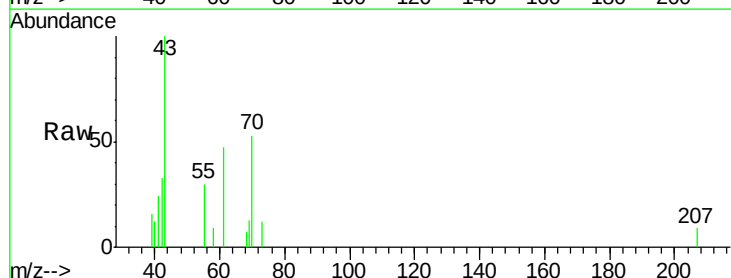
Ion Ratio Lower Upper

43 100

70 55.2 36.2 54.2#

55 27.0 20.6 30.8

61 31.6 19.5 29.3#

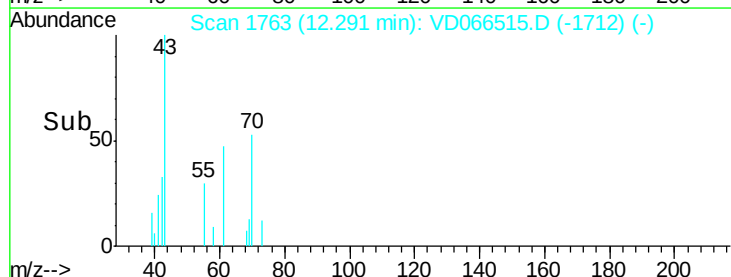
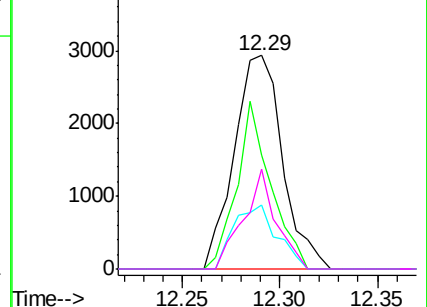


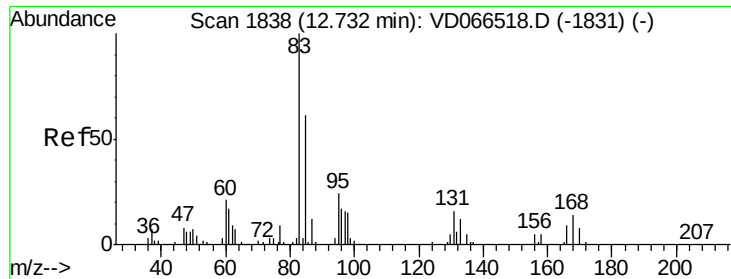
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 5.074 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

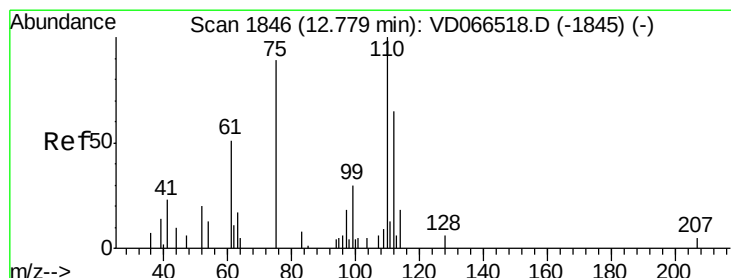
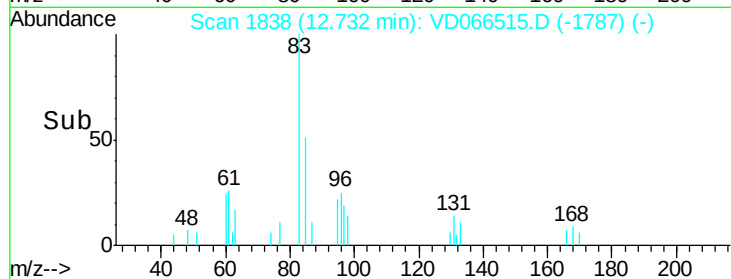
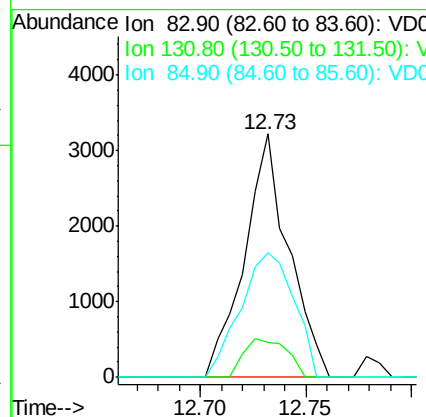
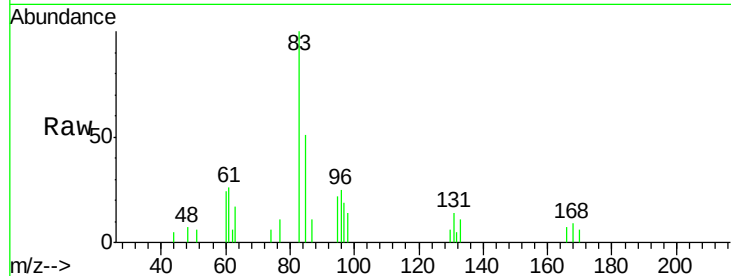
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	4682
Ion	Ratio	Lower	Upper
83	100		
131	15.2	8.3	24.9
85	62.0	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.767 ug/l m

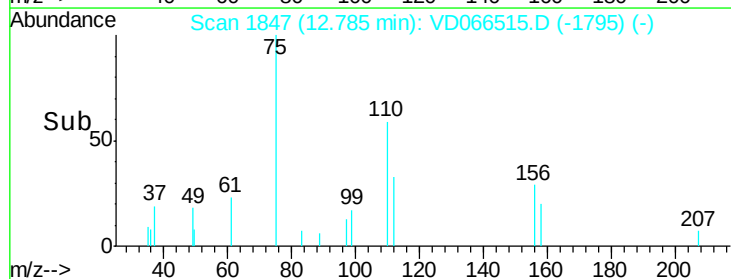
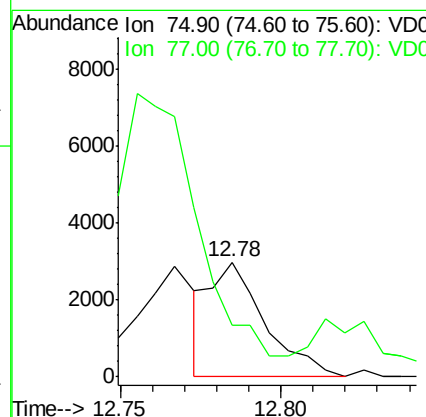
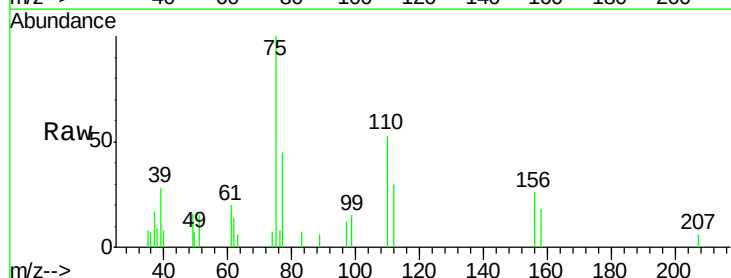
RT: 12.78 min Scan# 1847

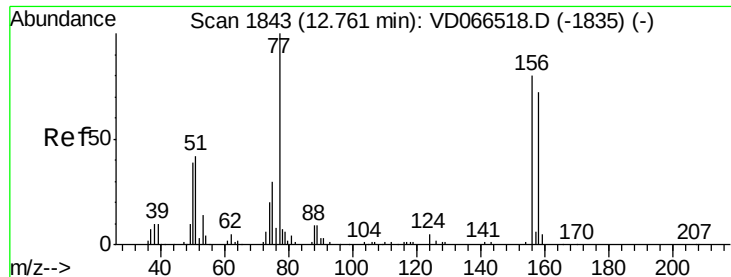
Delta R.T. 0.01 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Tgt Ion:	75	Resp:	3518
Ion	Ratio	Lower	Upper
75	100		
77	401.3	196.9	590.7





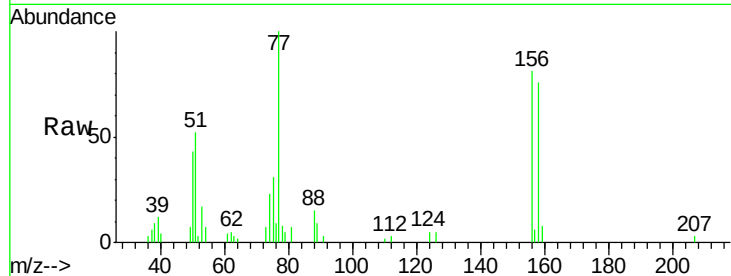
#77
Bromobenzene
Concen: 4.953 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

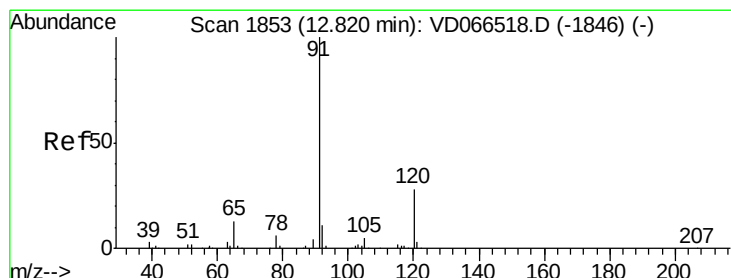
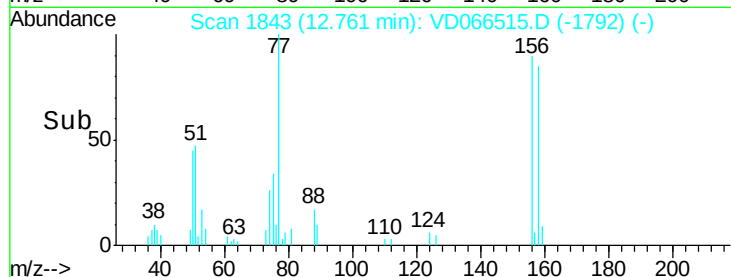
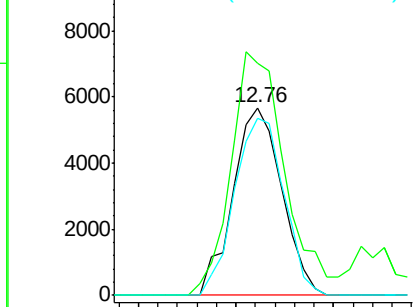
Tot Ion	Ratio	Lower	Upper
156	100		
77	143.9	71.0	213.2
158	95.7	49.5	148.7

Manual Integrations
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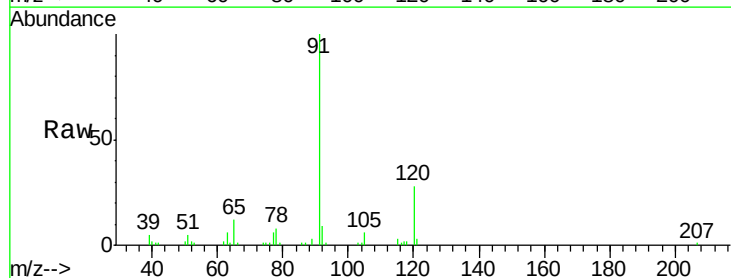


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

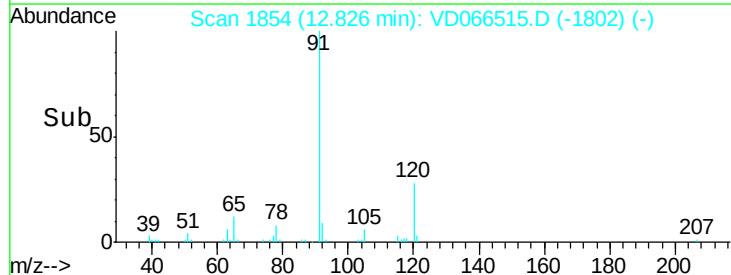
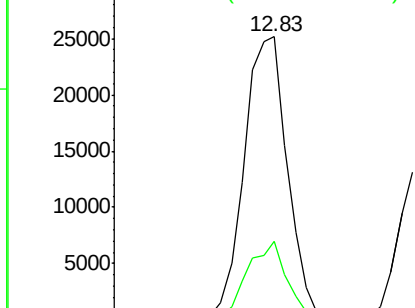


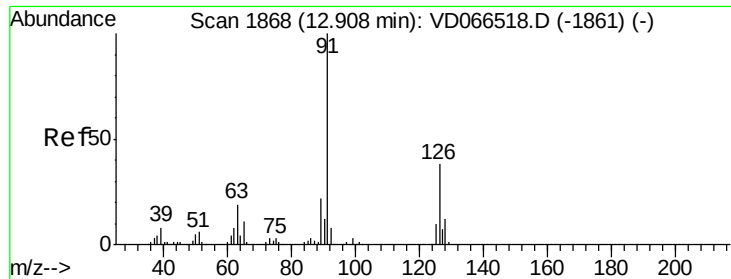
#78
n-propylbenzene
Concen: 4.896 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.7	13.0	39.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.947 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 24355

Ion Ratio Lower Upper

91 100

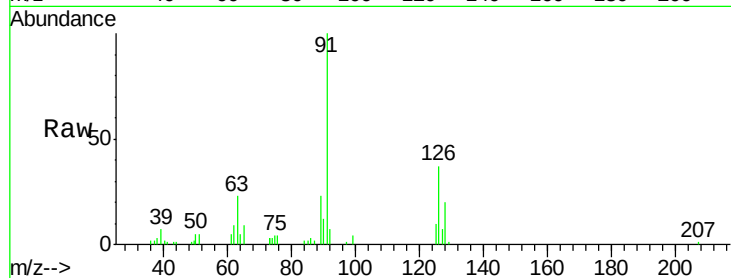
126 37.3 18.7 56.1

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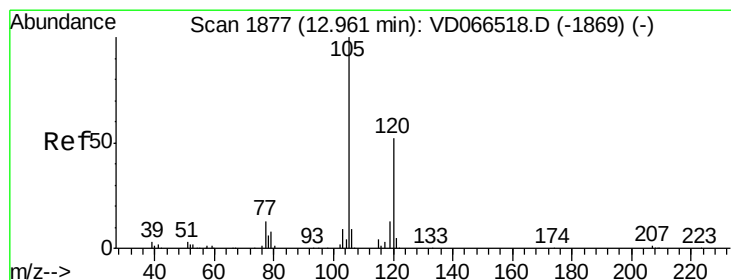
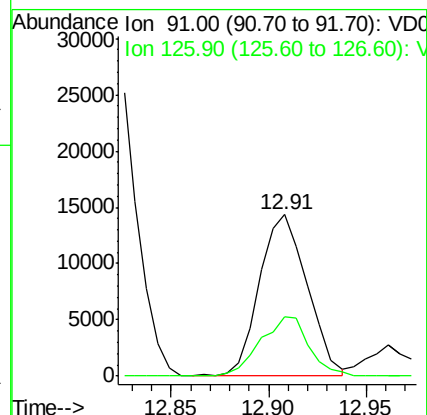
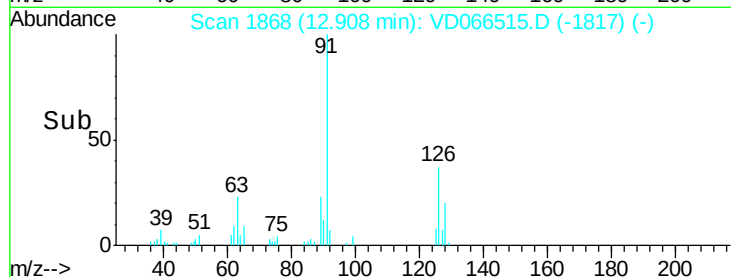
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Abundance Ion 91.00 (90.70 to 91.70): VD066515.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066515.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.674 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066515.D

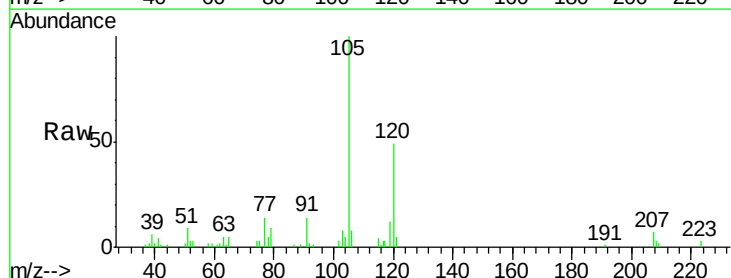
Acq: 02 Sep 2020 11:22

Tgt Ion: 105 Resp: 31731

Ion Ratio Lower Upper

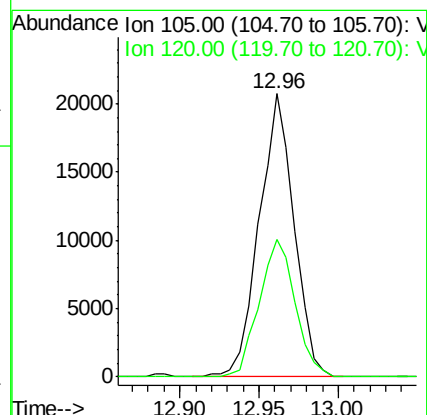
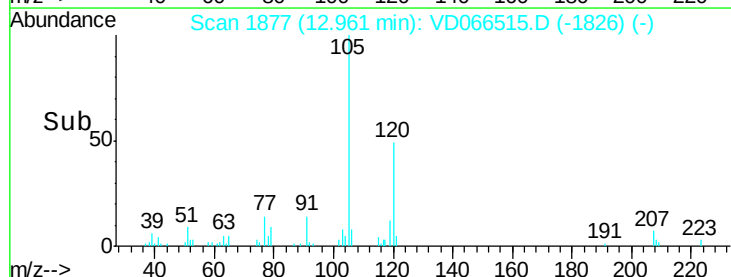
105 100

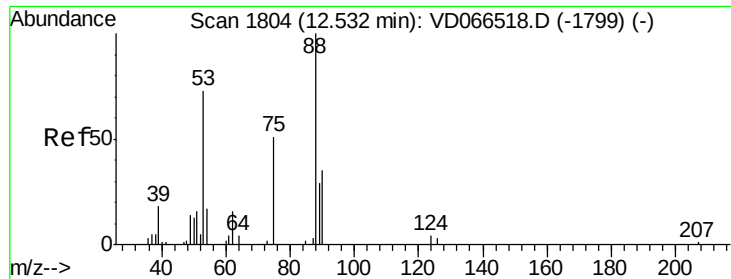
120 50.1 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VD066515.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066515.D (-1826) (-)





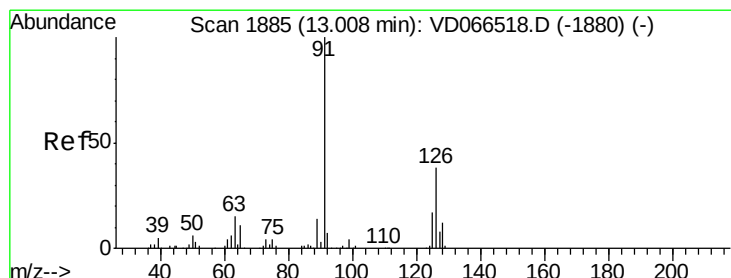
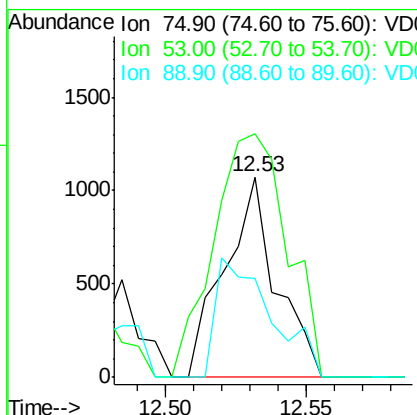
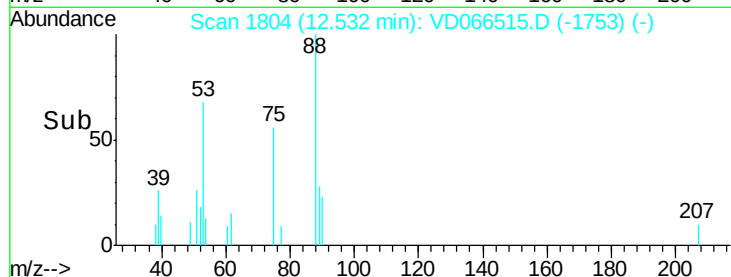
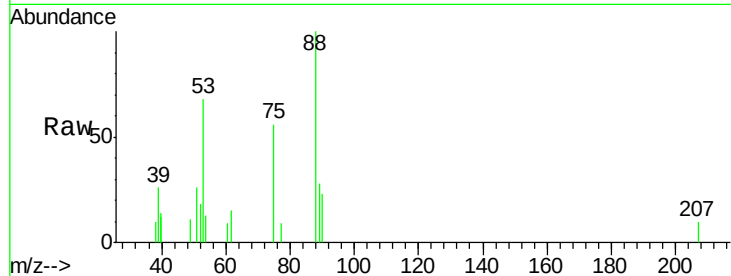
#81
trans-1,4-Dichloro-2-butene
Concen: 4.147 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	172.8	101.8	152.8#
89	63.4	46.0	69.0

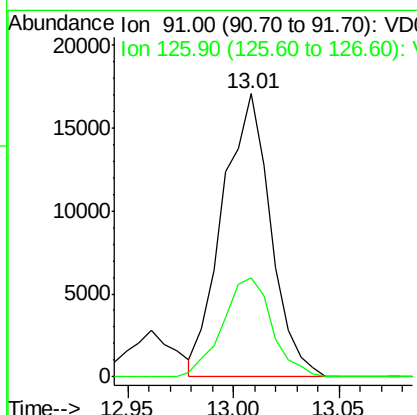
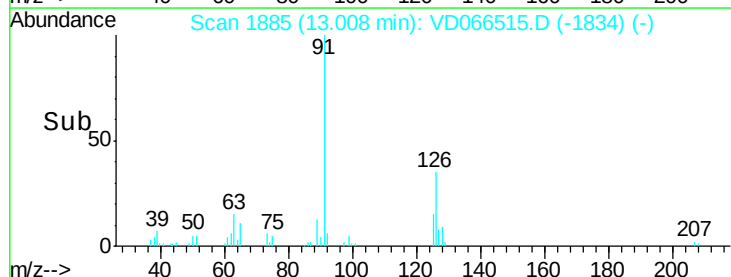
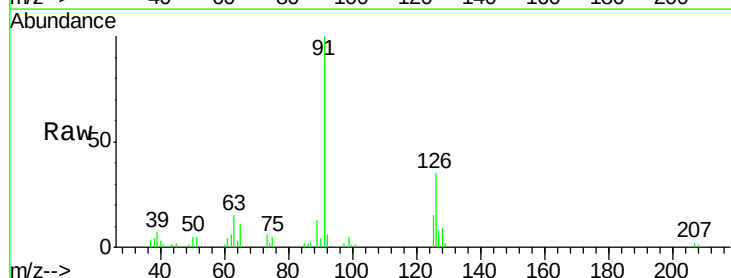
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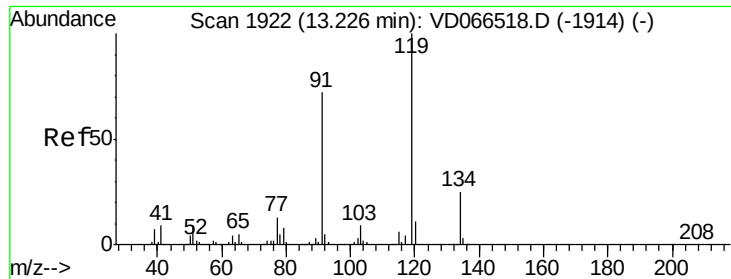
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#82
4-Chlorotoluene
Concen: 5.093 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	18.2	54.6





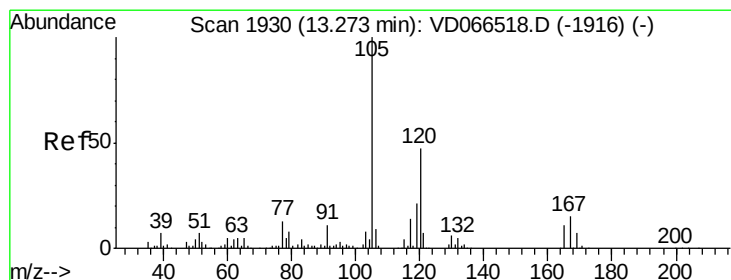
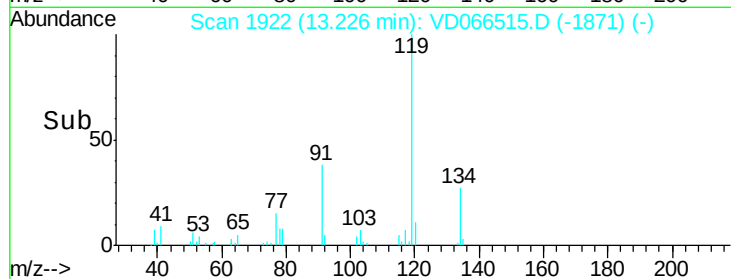
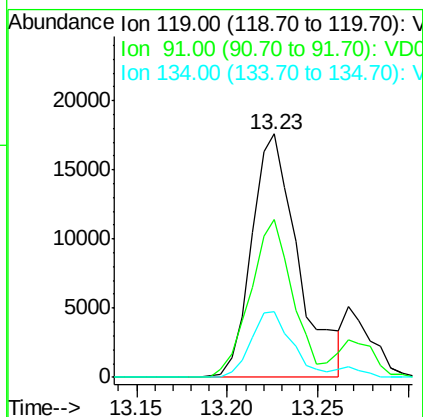
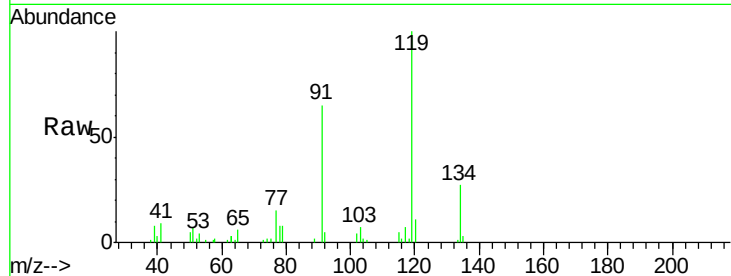
#83
 tert-Butylbenzene
 Concen: 5.263 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.7	34.4	103.2
134	24.0	13.5	40.4

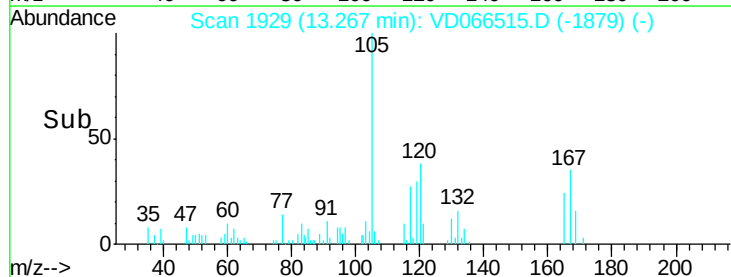
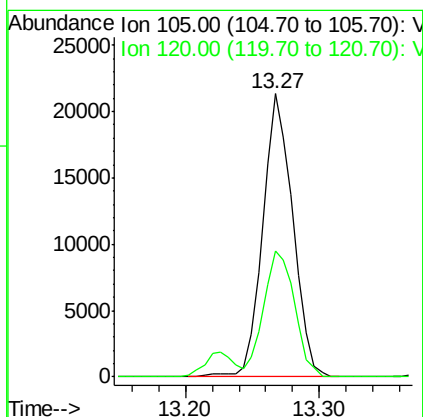
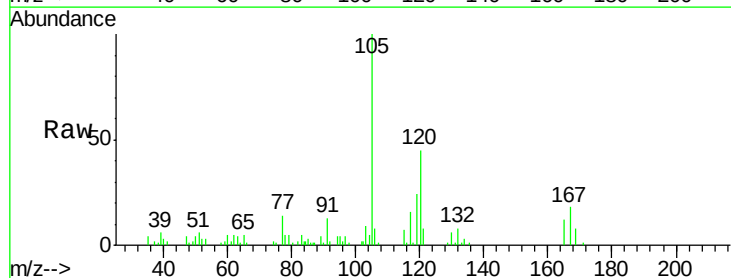
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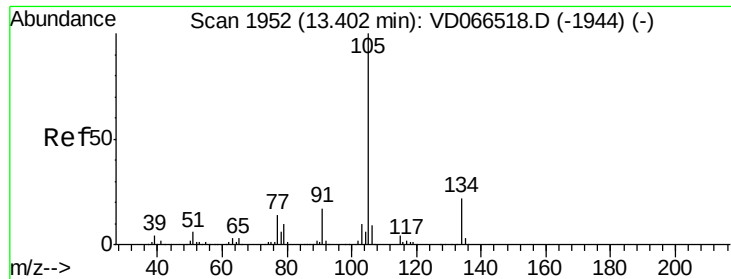
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.891 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	21.7	65.1





#85

sec-Butylbenzene

Concen: 5.001 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 37723

Ion Ratio Lower Upper

105 100

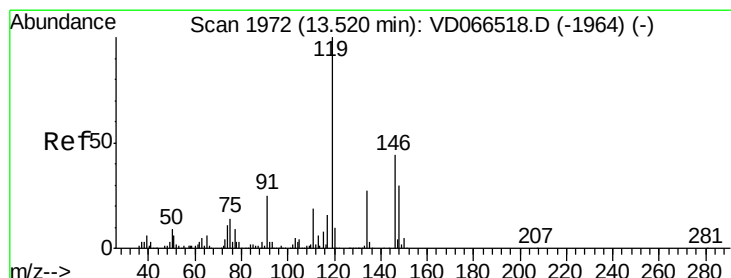
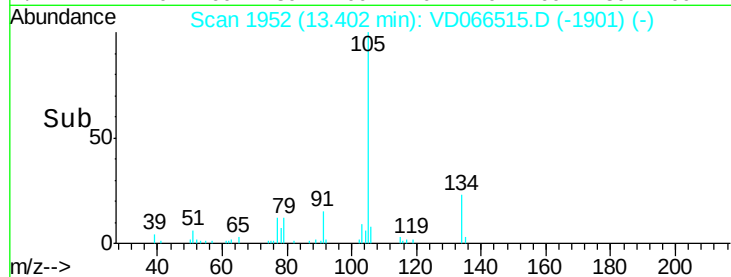
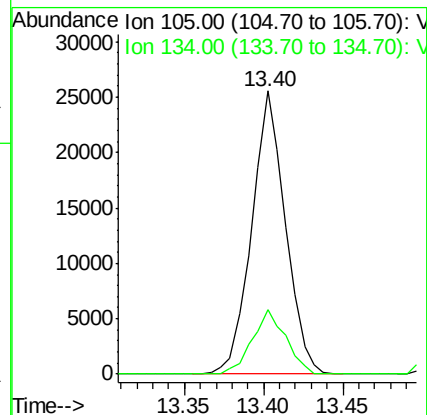
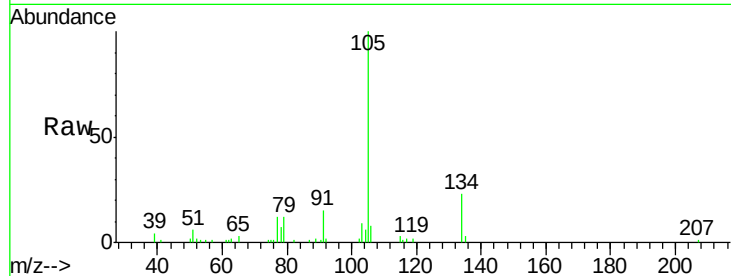
134 22.6 11.5 34.4

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#86

p-Isopropyltoluene

Concen: 4.877 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066515.D

Acq: 02 Sep 2020 11:22

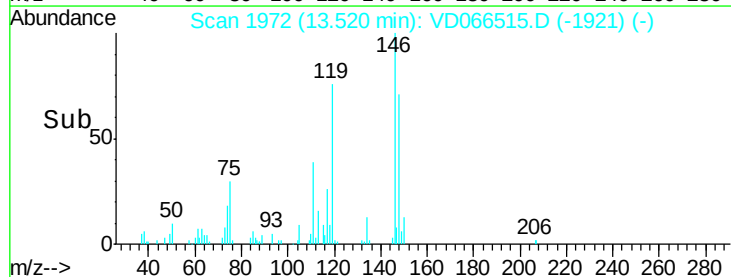
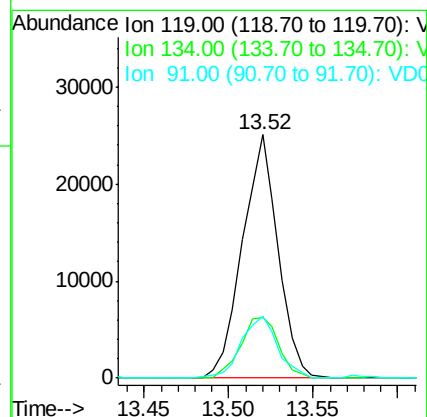
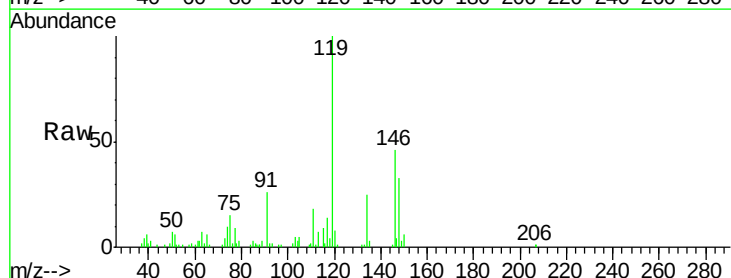
Tgt Ion:119 Resp: 36768

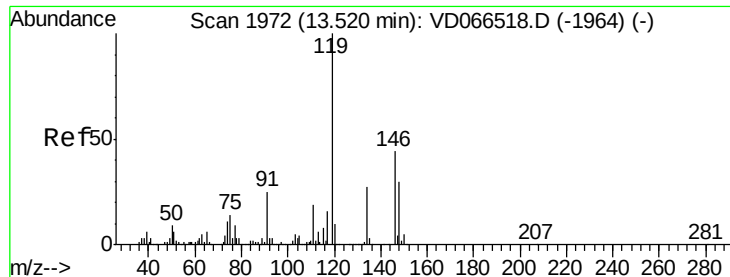
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 26.1 13.0 39.0





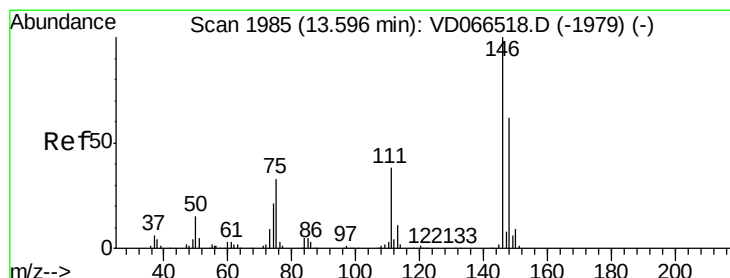
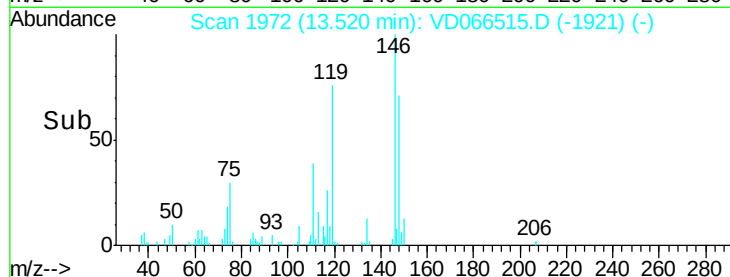
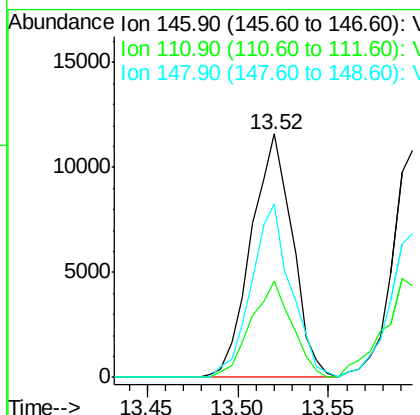
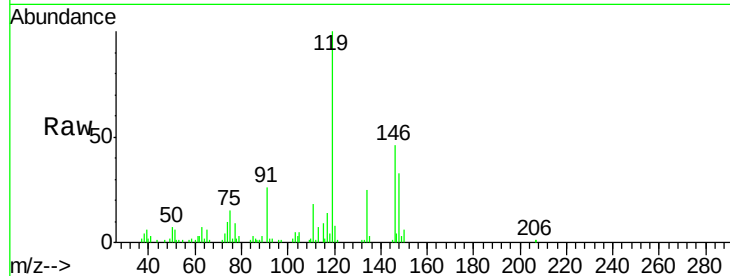
#87
 1,3-Dichlorobenzene
 Concen: 5.008 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	61.0
148	68.1	32.3	96.9

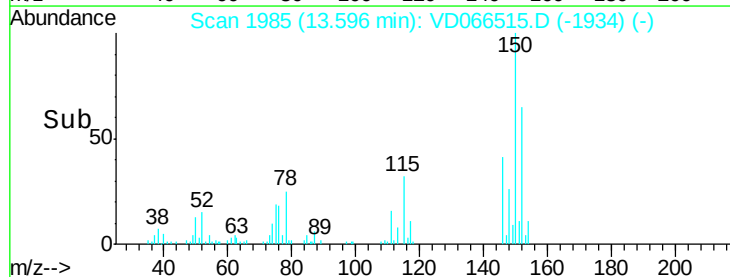
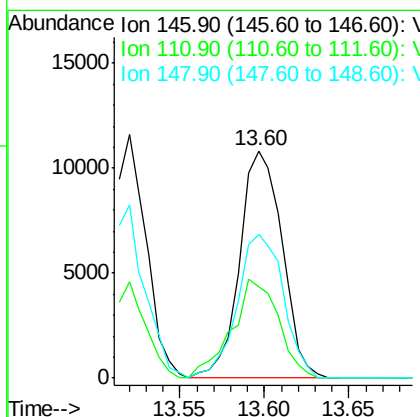
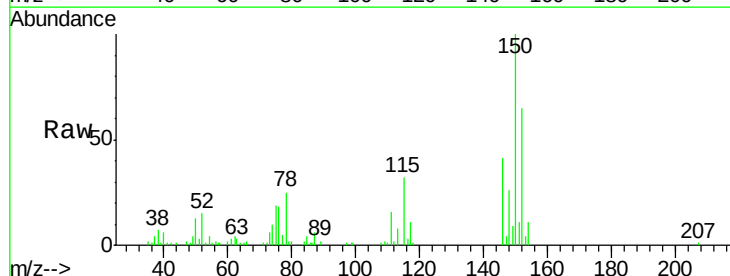
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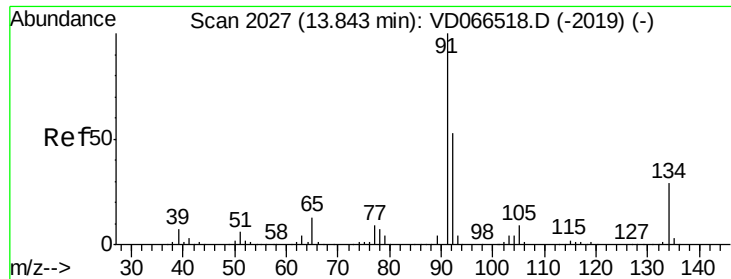
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#88
 1,4-Dichlorobenzene
 Concen: 5.092 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	18.4	55.4
148	68.7	31.5	94.5





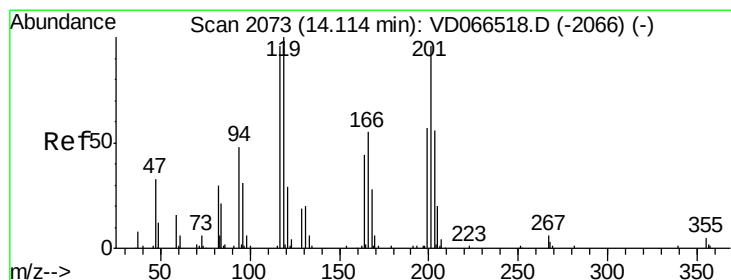
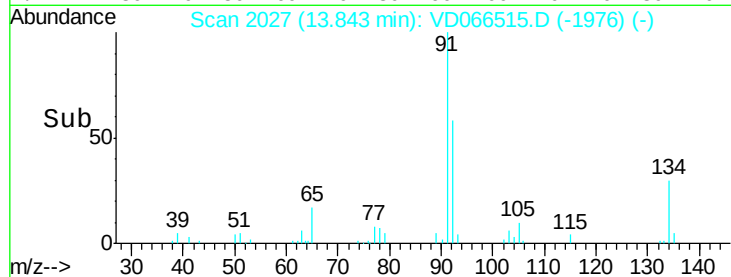
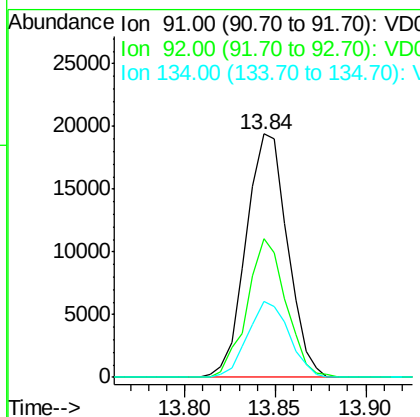
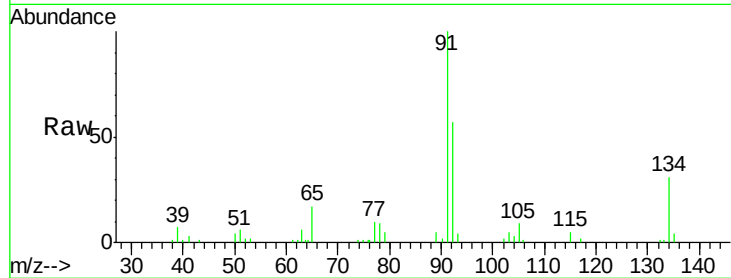
#89
n-Butylbenzene
Concen: 4.892 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
91	100	30893		
92	53.4	26.9	80.7	
134	31.1	15.0	45.1	

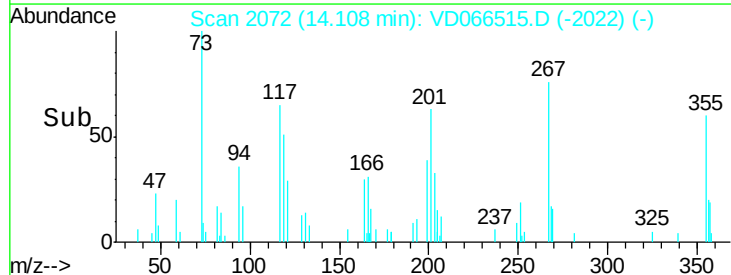
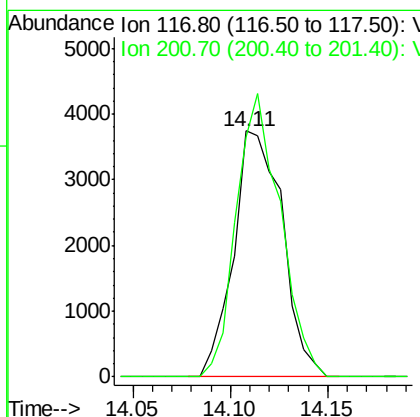
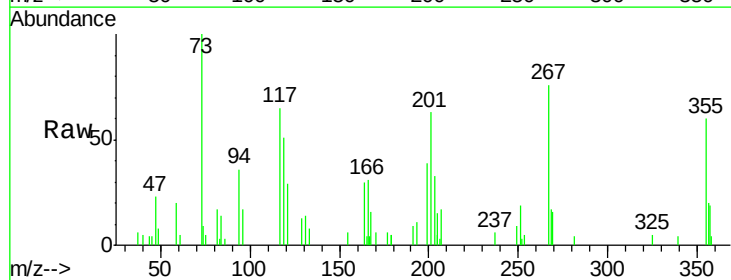
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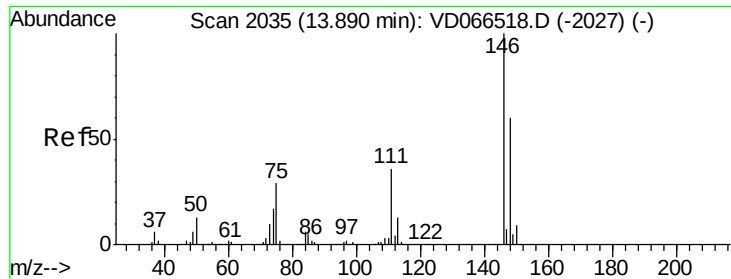
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#90
Hexachloroethane
Concen: 4.789 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6479		
201	103.7	50.0	150.0	





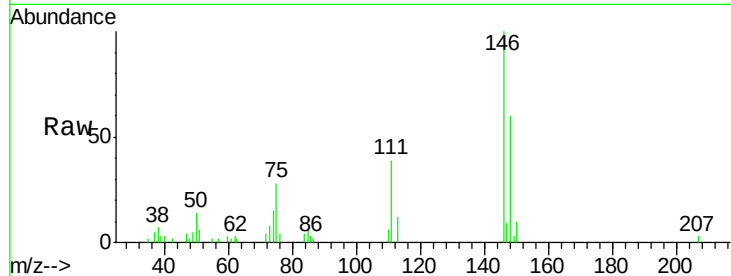
#91
 1,2-Dichlorobenzene
 Concen: 5.032 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

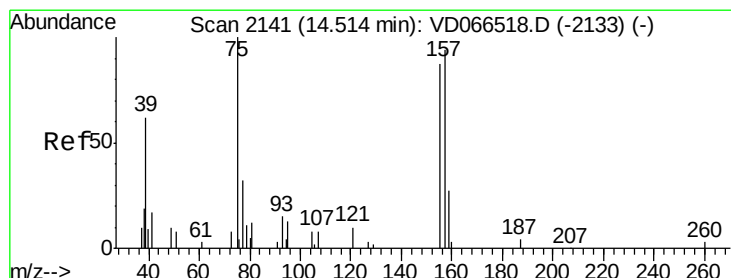
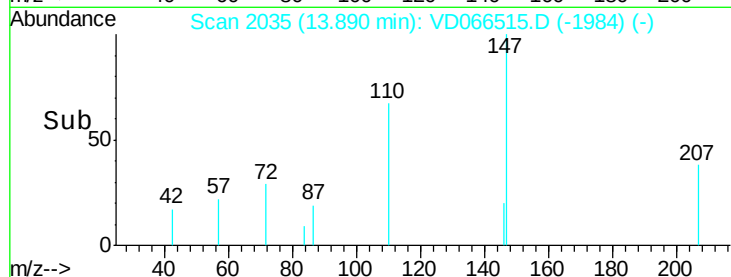
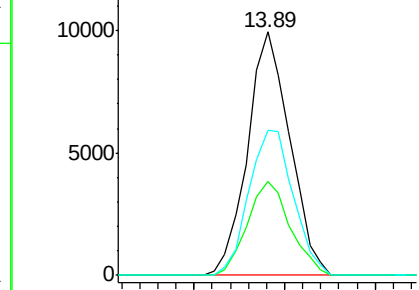
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.1	60.2
148	62.9	32.3	96.9

Manual Integrations
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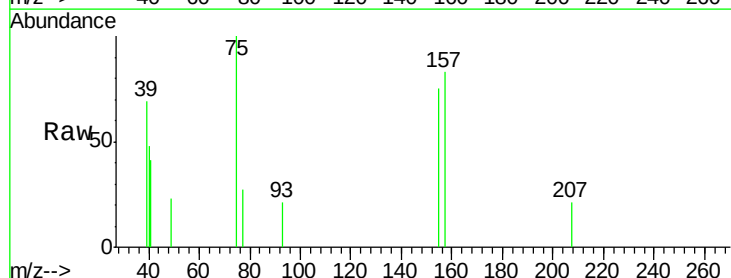


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

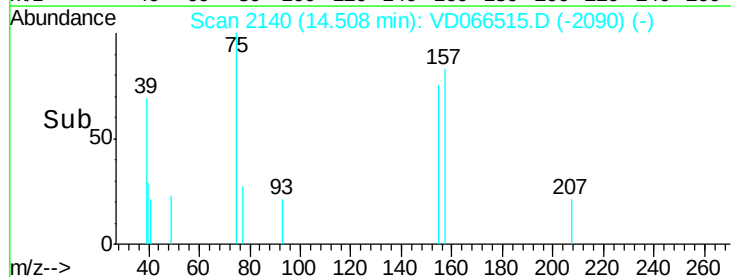
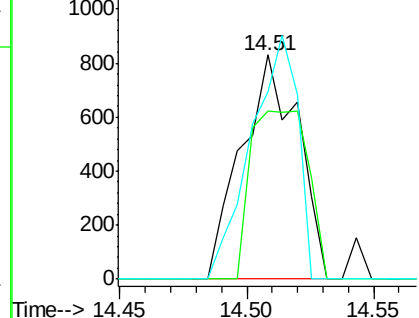


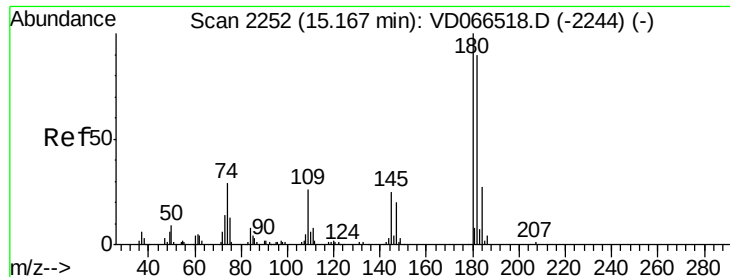
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.299 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066515.D
 Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	40.8	122.5
157	89.6	49.3	147.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





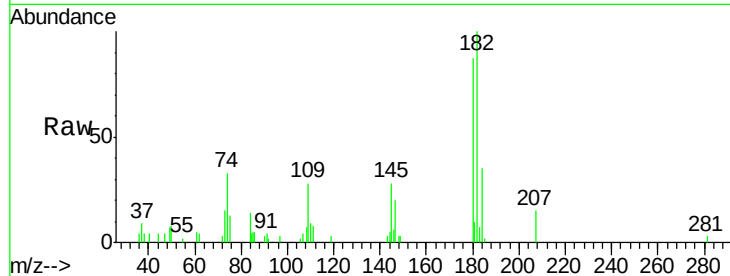
#93
1,2,4-Trichlorobenzene
Concen: 4.749 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

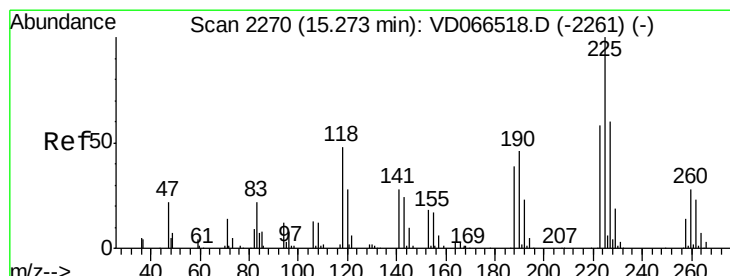
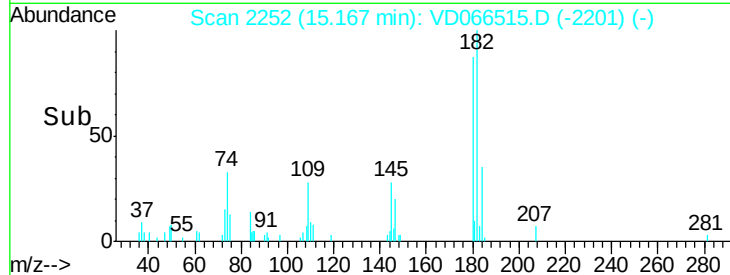
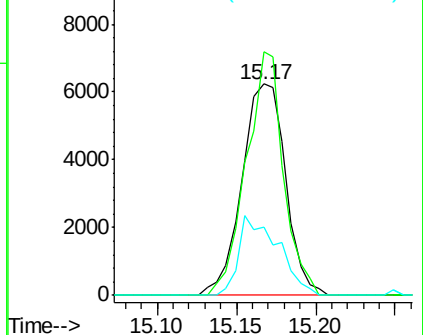
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.0	46.9	140.6	
145	34.1	15.0	45.1	

Manual Integrations
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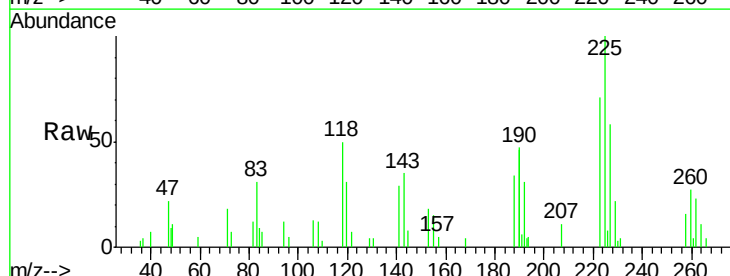


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

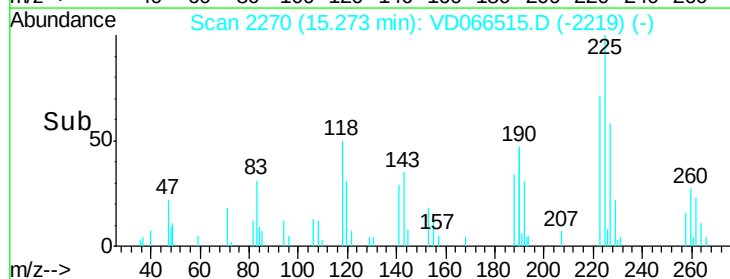
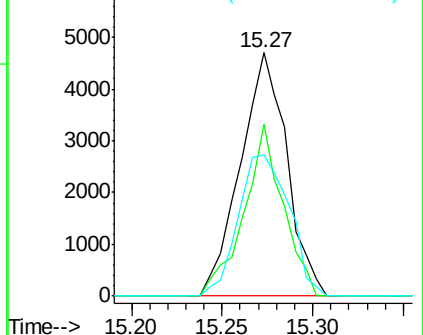


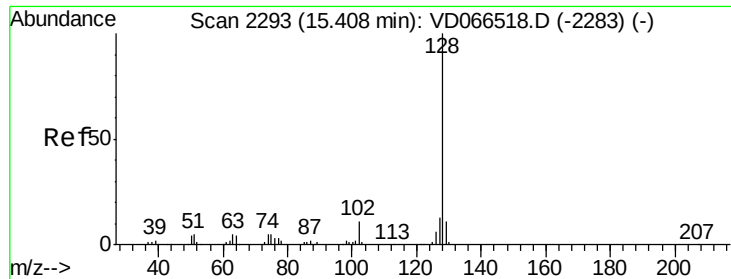
#94
Hexachlorobutadiene
Concen: 5.106 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.5	31.6	94.7	
227	64.0	31.4	94.3	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





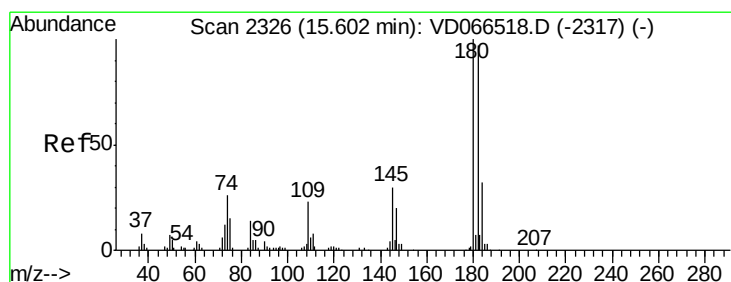
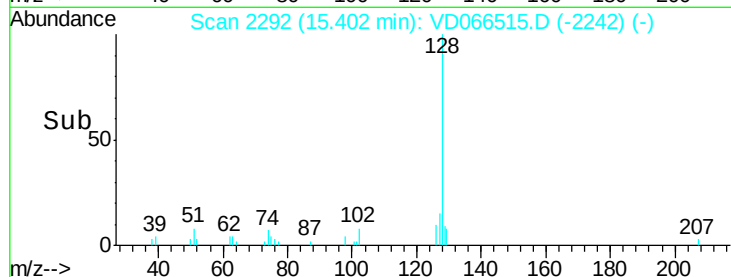
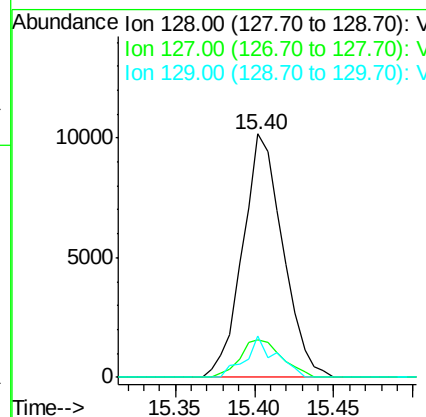
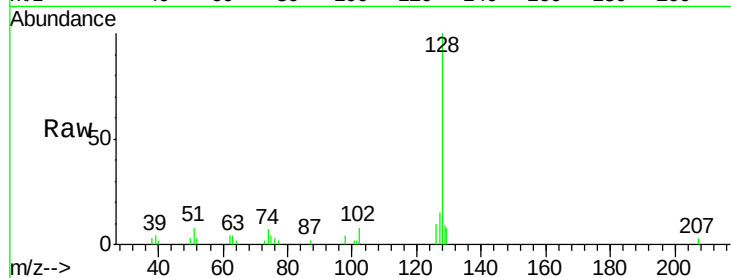
#95
Naphthalene
Concen: 4.569 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.0	11.1	16.7
129	12.7	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.916 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066515.D
Acq: 02 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.5	142.5
145	34.8	16.2	48.6

