

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066517.D
 Acq On : 02 Sep 2020 12:16
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 4:57:13 PM

Quant Time: Sep 02 15:11:01 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	173949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	234463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	213139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	114027	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	33888	18.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.22%	
35) Dibromofluoromethane	7.91	113	25444	18.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.08%	
50) Toluene-d8	10.34	98	99640	18.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.64%	
62) 4-Bromofluorobenzene	12.63	95	35807	18.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	33305	22.443	ug/l	90
3) Chloromethane	2.21	50	18437	20.667	ug/l	95
4) Vinyl Chloride	2.35	62	22783	20.942	ug/l	94
5) Bromomethane	2.75	94	17941	20.178	ug/l	91
6) Chloroethane	2.91	64	14864	20.308	ug/l	97
7) Trichlorofluoromethane	3.27	101	66998	20.203	ug/l	94
8) Diethyl Ether	3.70	74	11467	18.449	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	26820	19.420	ug/l	97
10) Methyl Iodide	4.30	142	29109	19.009	ug/l	96
11) Tert butyl alcohol	5.21	59	13214	96.957	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	25957	20.000	ug/l	93
13) Acrolein	3.91	56	5951	97.937	ug/l	89
14) Allyl chloride	4.71	41	30057	20.719	ug/l	95
15) Acrylonitrile	5.42	53	21815	97.874	ug/l	95
16) Acetone	4.16	43	26048	94.150	ug/l #	84
17) Carbon Disulfide	4.41	76	74614	19.894	ug/l	99
18) Methyl Acetate	4.72	43	8533m	19.190	ug/l	
19) Methyl tert-butyl Ether	5.47	73	66641	19.679	ug/l	94
20) Methylene Chloride	4.96	84	31862	19.733	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	31235	21.041	ug/l	83
22) Diisopropyl ether	6.36	45	58270	20.041	ug/l	98
23) Vinyl Acetate	6.30	43	188331	100.752	ug/l	99
24) 1,1-Dichloroethane	6.27	63	45815	20.063	ug/l	95
25) 2-Butanone	7.20	43	27480	95.965	ug/l #	85
26) 2,2-Dichloropropane	7.20	77	56381	19.485	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	31188	19.373	ug/l	99
28) Bromochloromethane	7.55	49	12503	18.925	ug/l	95
29) Tetrahydrofuran	7.56	42	14665	99.623	ug/l	97
30) Chloroform	7.70	83	58918	19.981	ug/l	90
31) Cyclohexane	7.98	56	38578	19.553	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	66113	20.132	ug/l	98
36) 1,1-Dichloropropene	8.10	75	42819	20.833	ug/l	97
37) Ethyl Acetate	7.29	43	11263	18.256	ug/l #	88
38) Carbon Tetrachloride	8.09	117	63966	20.430	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	47292	19.695	ug/l	98
40) Benzene	8.34	78	106718	20.128	ug/l	99
41) Methacrylonitrile	7.53	41	7089m	20.181	ug/l	
42) 1,2-Dichloroethane	8.42	62	45459	20.268	ug/l	99
43) Isopropyl Acetate	8.44	43	25047	19.380	ug/l #	60
44) Trichloroethene	9.11	130	36472	19.930	ug/l	88
45) 1,2-Dichloropropane	9.39	63	20980	19.944	ug/l #	84
46) Dibromomethane	9.47	93	15703	20.390	ug/l	97
47) Bromodichloromethane	9.66	83	46751	20.424	ug/l	100
48) Methyl methacrylate	9.45	41	12525	19.017	ug/l	98
49) 1,4-Dioxane	9.46	88	3675	408.036	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	60587	101.952	ug/l	100
52) Toluene	10.40	92	76026	20.160	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	41365	19.780	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	45383	20.599	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	20030	20.582	ug/l	95
56) Ethyl methacrylate	10.66	69	22824	19.929	ug/l	96
57) 1,3-Dichloropropane	10.94	76	33053	20.567	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	48763	109.072	ug/l	98
59) 2-Hexanone	10.98	43	40696	94.819	ug/l	97
60) Dibromochloromethane	11.14	129	32063	19.924	ug/l	100
61) 1,2-Dibromoethane	11.24	107	20118	20.281	ug/l	99
64) Tetrachloroethene	10.87	164	34671	20.864	ug/l	90
65) Chlorobenzene	11.67	112	86369	20.597	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	36260	20.437	ug/l	100
67) Ethyl Benzene	11.74	91	151117	20.458	ug/l	99
68) m/p-Xylenes	11.85	106	119380	41.771	ug/l	100
69) o-Xylene	12.18	106	54967	20.304	ug/l	99
70) Styrene	12.20	104	94672	20.426	ug/l	99
71) Bromoform	12.36	173	19968	20.519	ug/l #	91
73) Isopropylbenzene	12.48	105	155650	20.428	ug/l	100
74) N-amyl acetate	12.29	43	23282	20.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	18056	20.054	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	12052m	16.734	ug/l	
77) Bromobenzene	12.76	156	39344	20.348	ug/l	99
78) n-propylbenzene	12.82	91	173346	20.878	ug/l	98
79) 2-Chlorotoluene	12.91	91	97386	20.272	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	137699	20.787	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	6697	20.791	ug/l	98
82) 4-Chlorotoluene	13.01	91	103375	20.034	ug/l	98
83) tert-Butylbenzene	13.23	119	115591	19.894	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	133188	20.103	ug/l	96
85) sec-Butylbenzene	13.41	105	148103	20.121	ug/l	99
86) p-Isopropyltoluene	13.52	119	150622	20.473	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	71527	19.946	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	73167	20.169	ug/l	98
89) n-Butylbenzene	13.85	91	125805	20.415	ug/l	97
90) Hexachloroethane	14.11	117	26645	20.182	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	63206	20.264	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4971	20.877	ug/l	97

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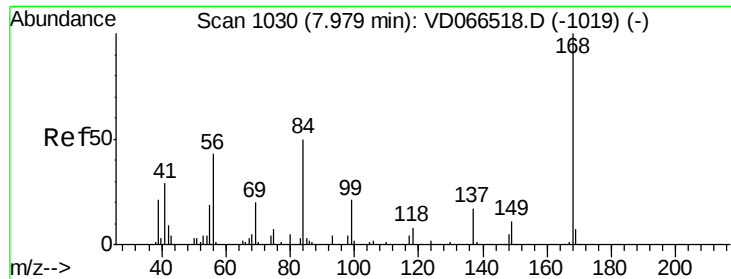
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	49395	20.064	ug/l	98
94) Hexachlorobutadiene	15.27	225	31781	19.914	ug/l	99
95) Naphthalene	15.41	128	75967	19.850	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	43800	20.590	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: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 173949

Ion Ratio Lower Upper

168 100

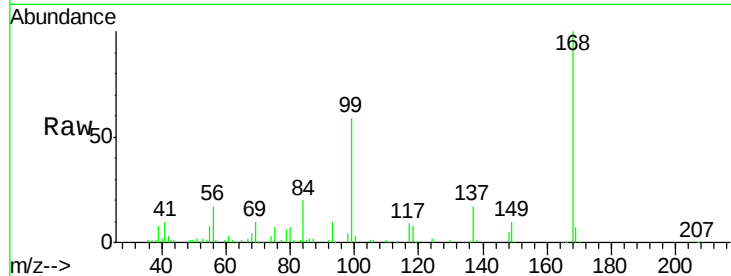
99 58.2 45.1 67.7

Manual Integrations

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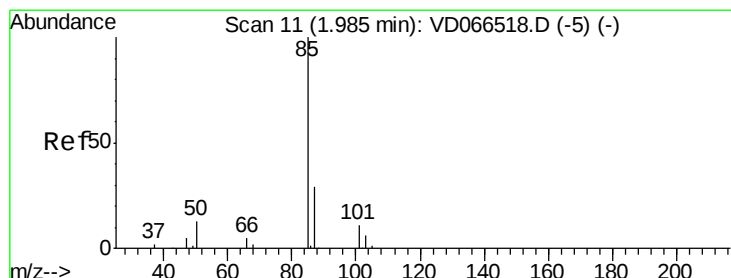
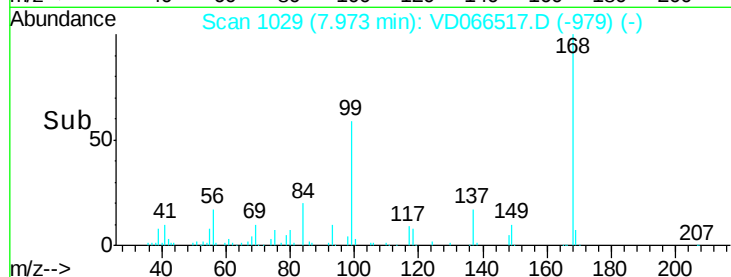
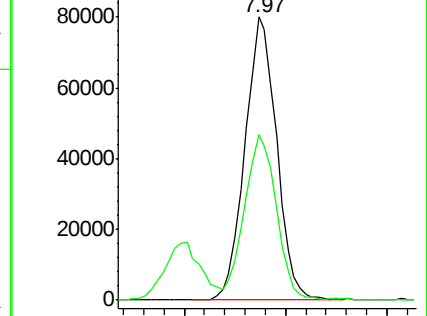
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.443 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066517.D

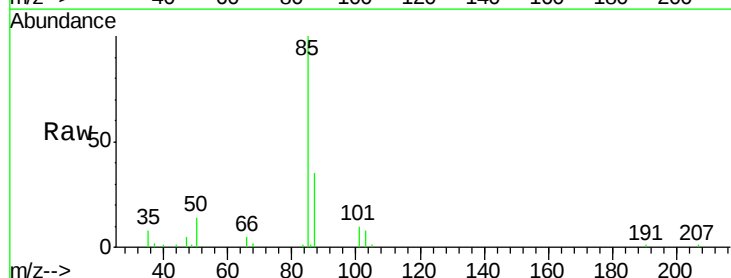
Acq: 02 Sep 2020 12:16

Tgt Ion: 85 Resp: 33305

Ion Ratio Lower Upper

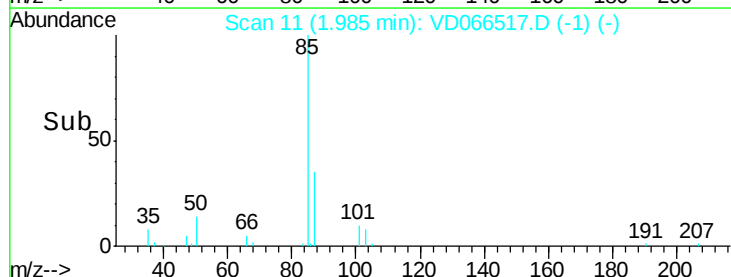
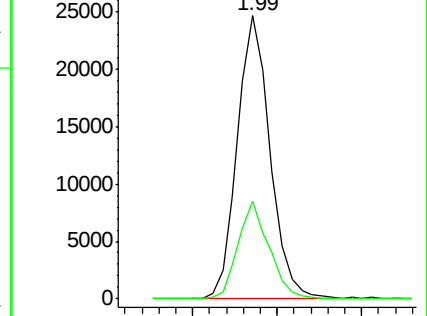
85 100

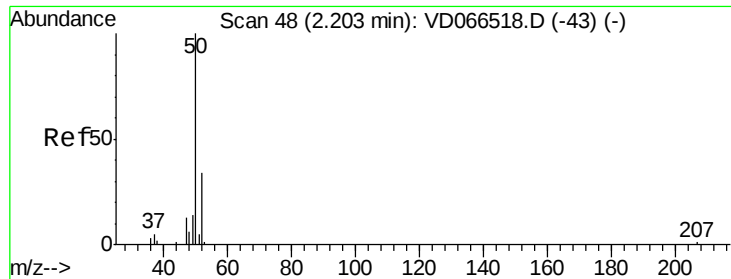
87 34.8 14.6 44.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.667 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 18437

Ion Ratio Lower Upper

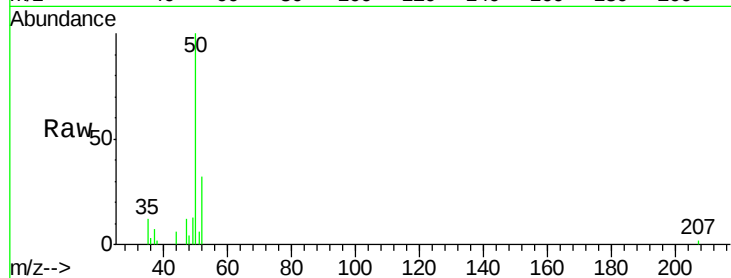
50 100

52 31.7 27.6 41.4

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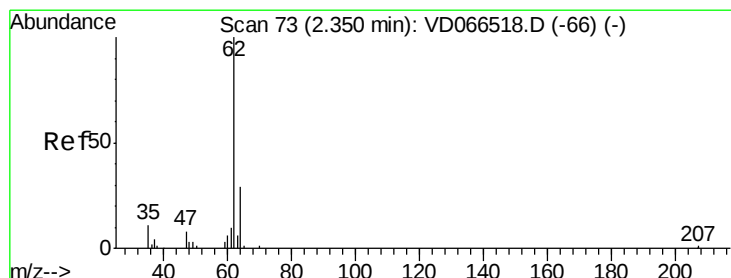
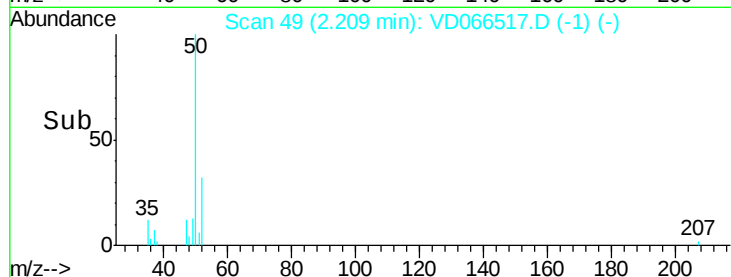
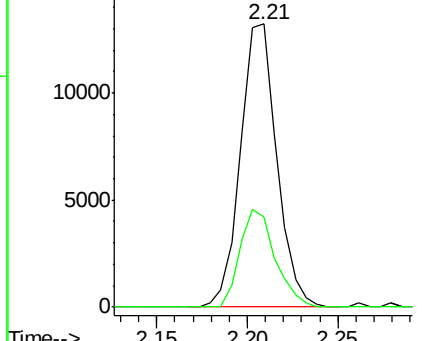
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.942 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066517.D

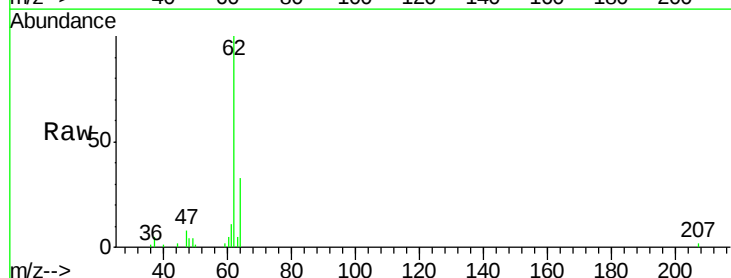
Acq: 02 Sep 2020 12:16

Tgt Ion: 62 Resp: 22783

Ion Ratio Lower Upper

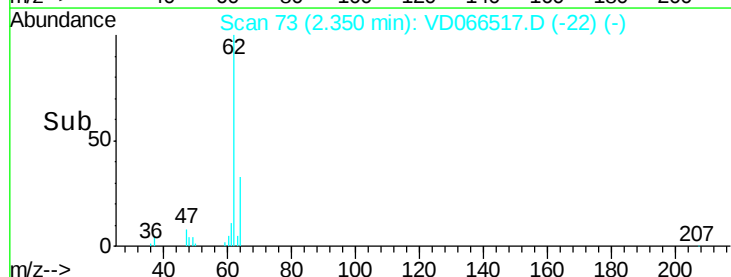
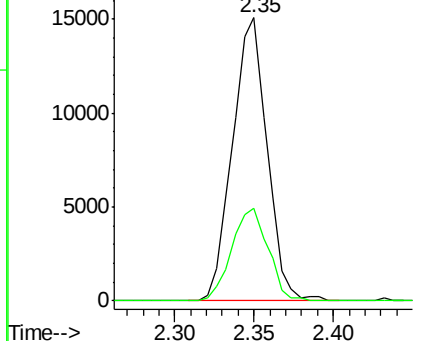
62 100

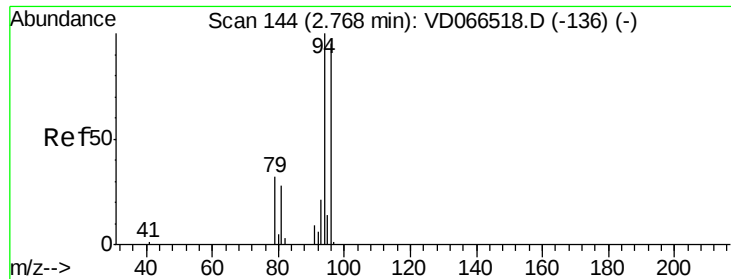
64 32.7 23.4 35.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.178 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 17941

Ion Ratio Lower Upper

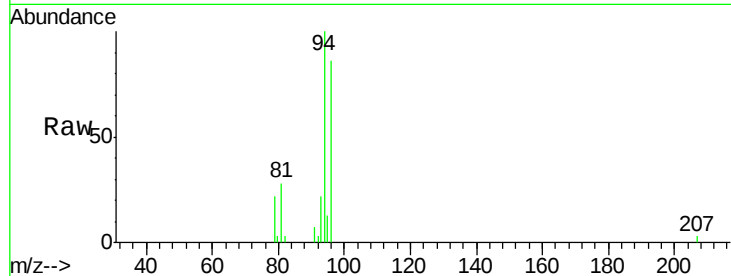
94 100

96 86.3 75.8 113.8

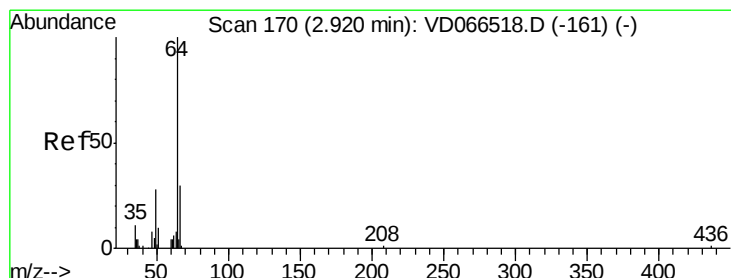
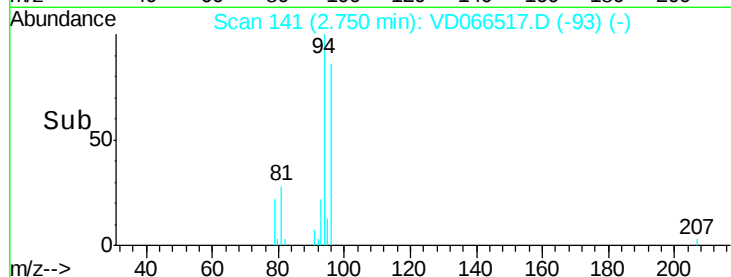
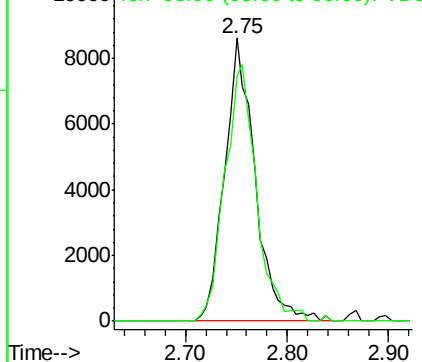
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Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.308 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066517.D

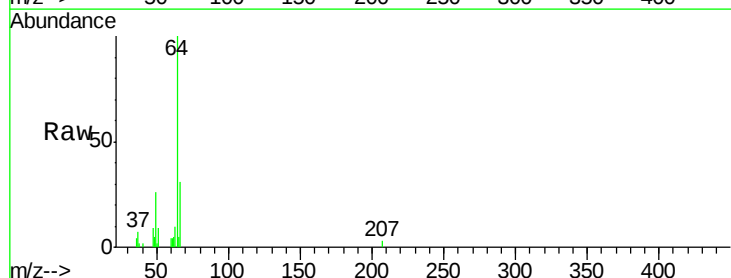
Acq: 02 Sep 2020 12:16

Tgt Ion: 64 Resp: 14864

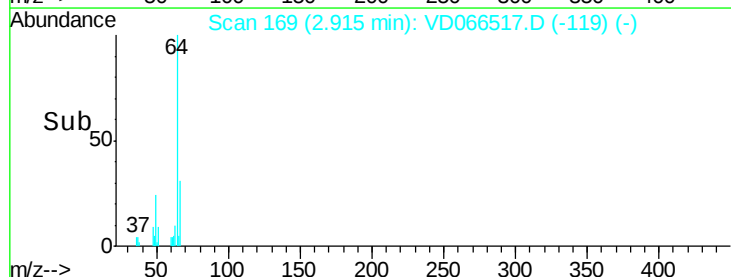
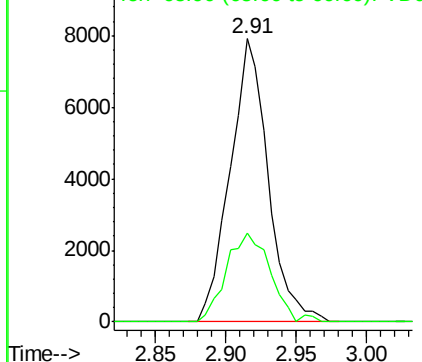
Ion Ratio Lower Upper

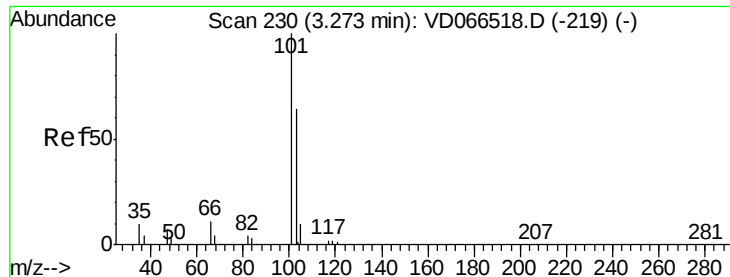
64 100

66 31.3 23.7 35.5



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

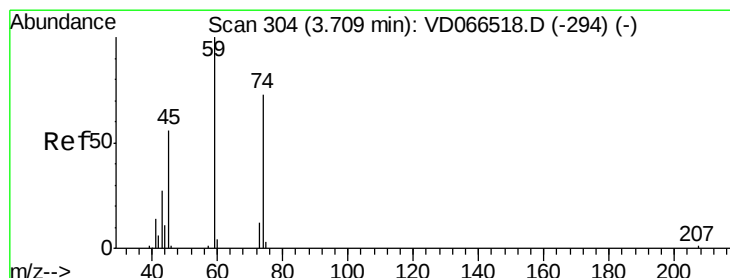
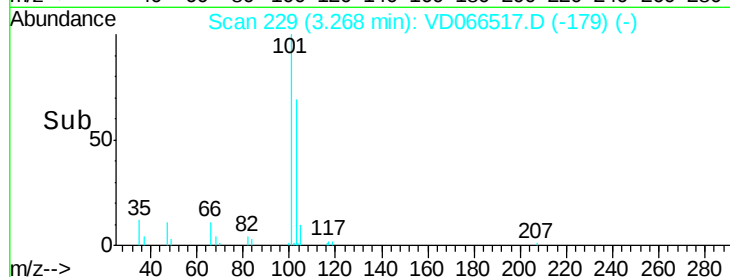
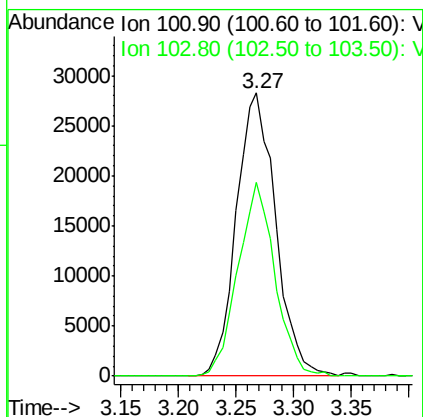
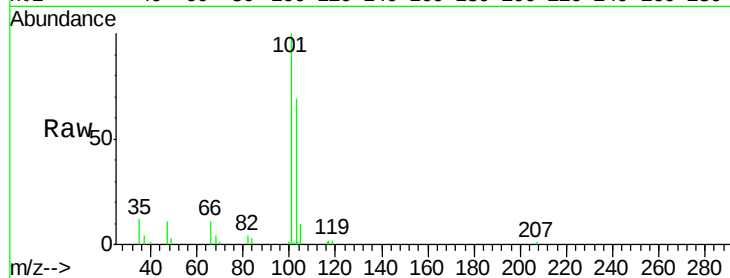
Trichlorofluoromethane
 Concen: 20.203 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	50.9	76.3

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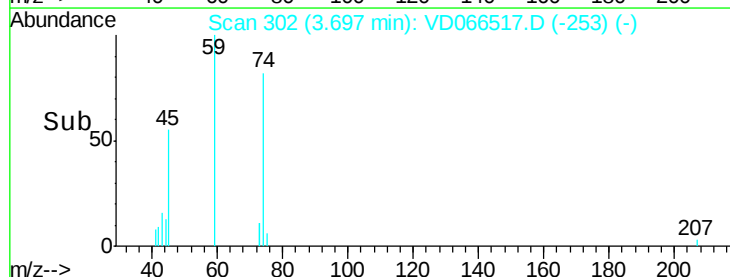
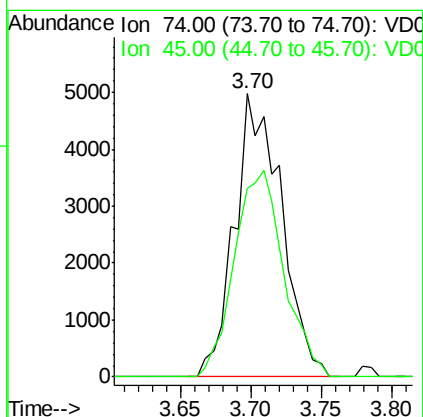
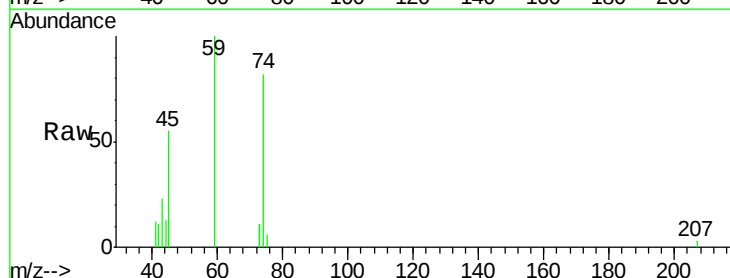
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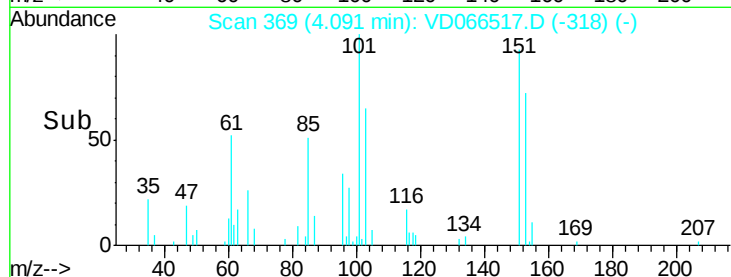
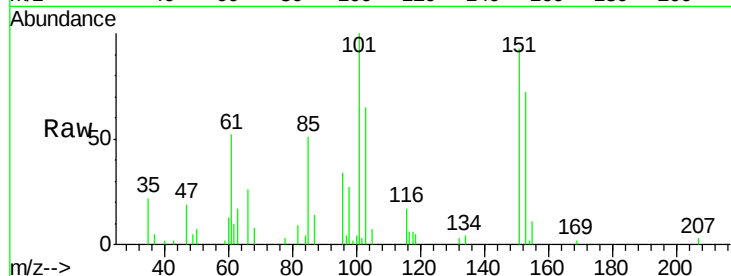
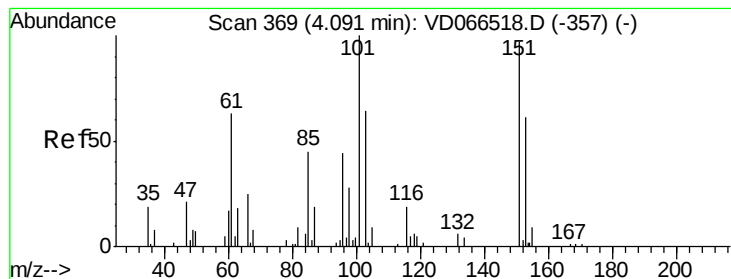


#8

Diethyl Ether
 Concen: 18.449 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. -0.01 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.4	38.6	115.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.420 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066517.D

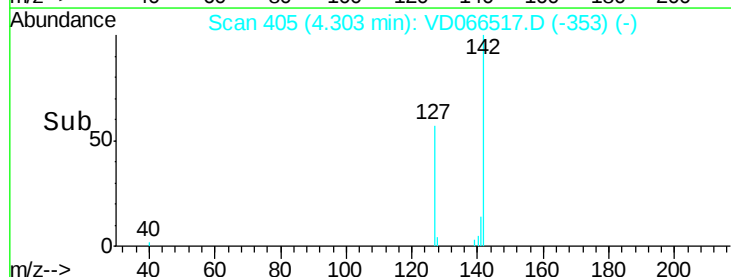
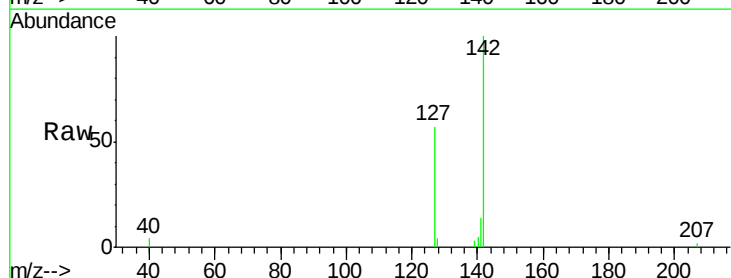
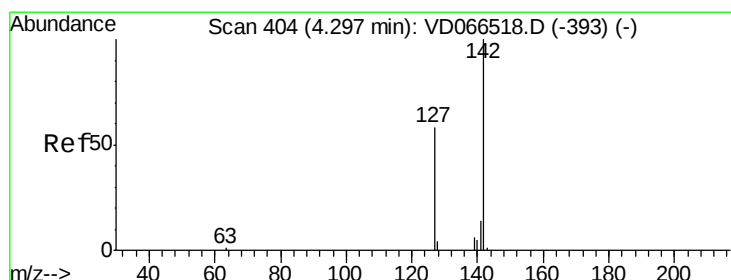
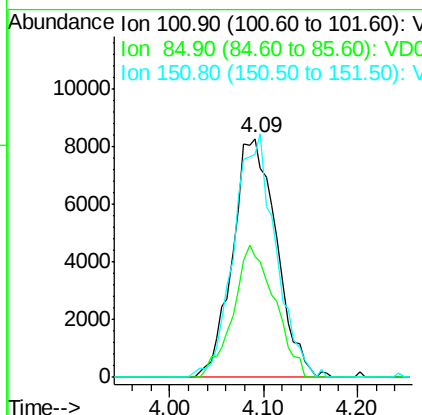
Acq: 02 Sep 2020 12:16

Tot Ion:	101	Resp:	26820
Ion Ratio	Lower	Upper	
101	100		
85	51.9	39.4	59.0
151	97.0	75.5	113.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

MMDadoda
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#10

Methyl Iodide

Concen: 19.009 ug/l

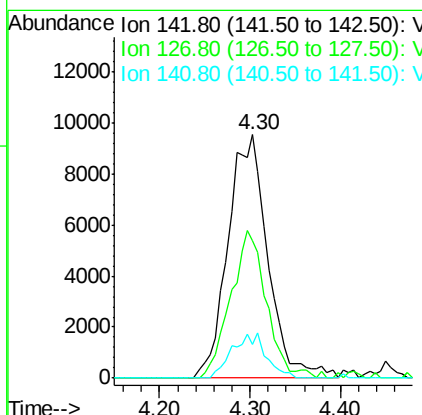
RT: 4.30 min Scan# 405

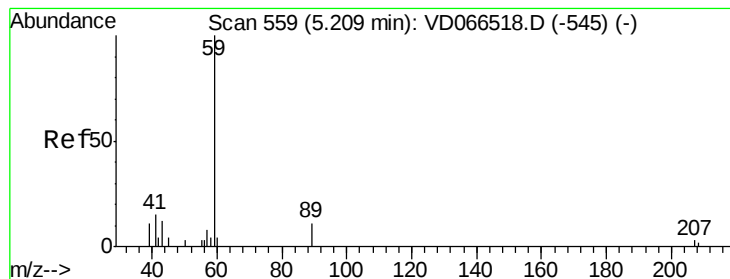
Delta R.T. 0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Tgt Ion:	142	Resp:	29109
Ion Ratio	Lower	Upper	
142	100		
127	54.6	46.3	69.5
141	15.5	12.4	18.6





#11

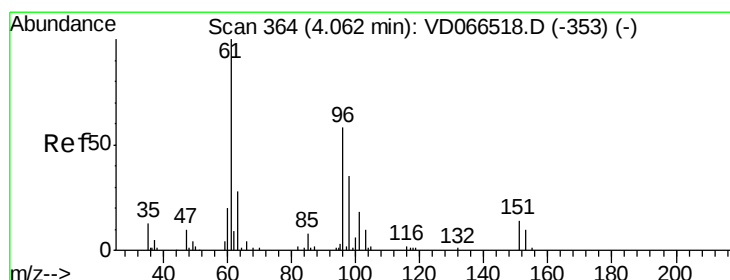
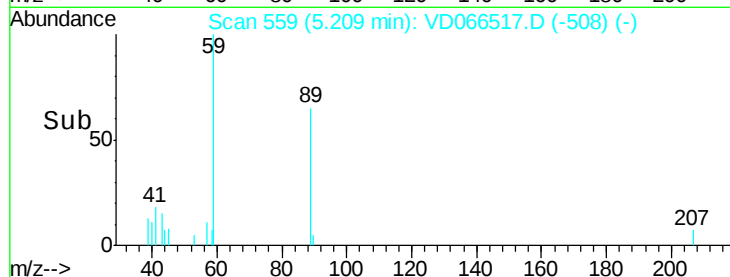
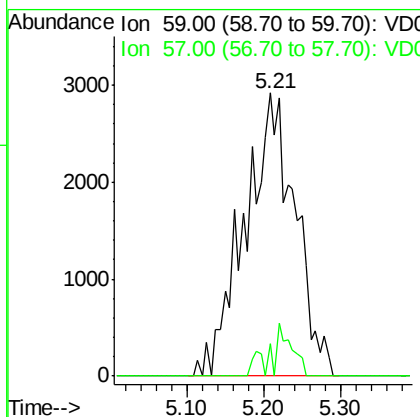
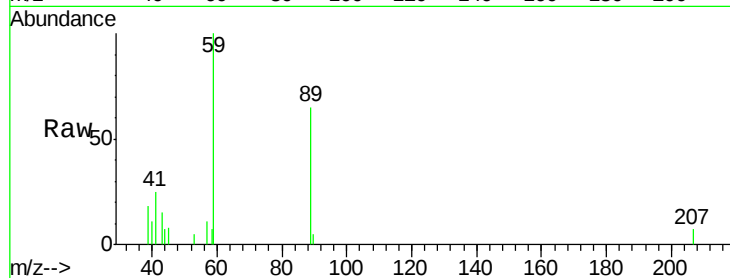
Tert butyl alcohol
 Concen: 96.957 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.1	6.8	10.2#

Manual Integrations
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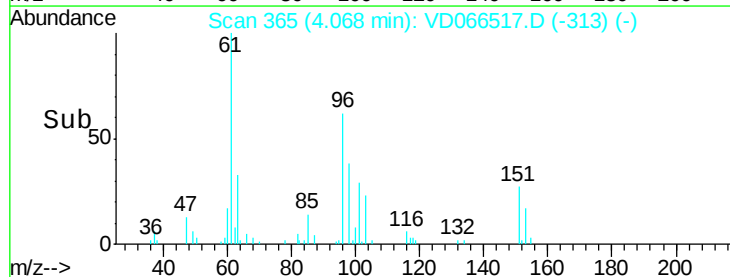
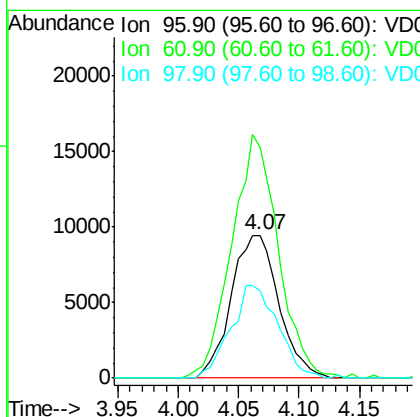
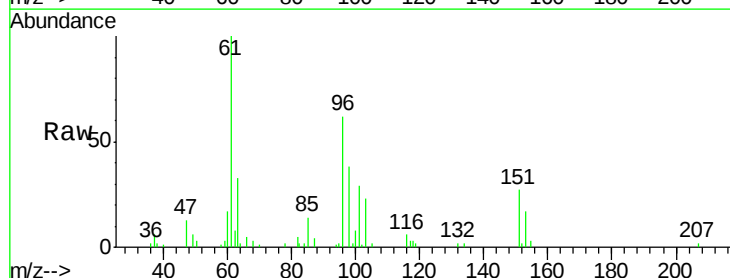
MMDadoda
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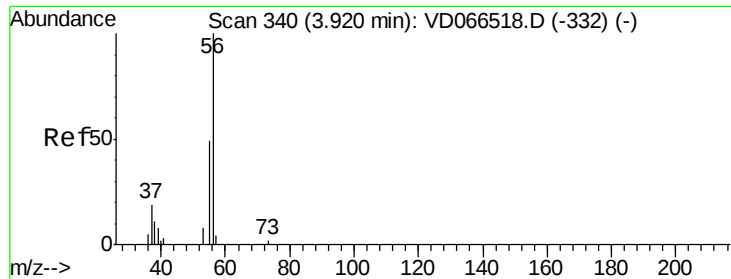


#12

1,1-Dichloroethene
 Concen: 20.000 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.0	137.5	206.3
98	61.6	47.8	71.6





#13

Acrolein

Concen: 97.937 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 5951

Ion Ratio Lower Upper

56 100

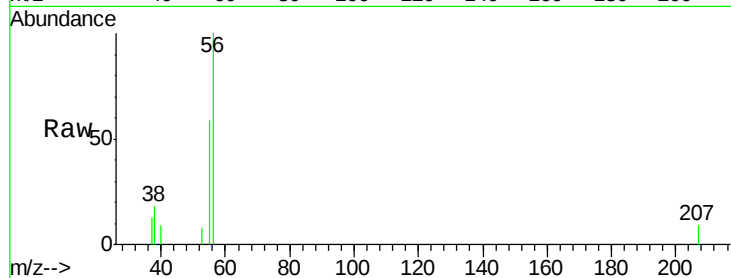
55 75.1 53.0 79.4

Manual Integrations

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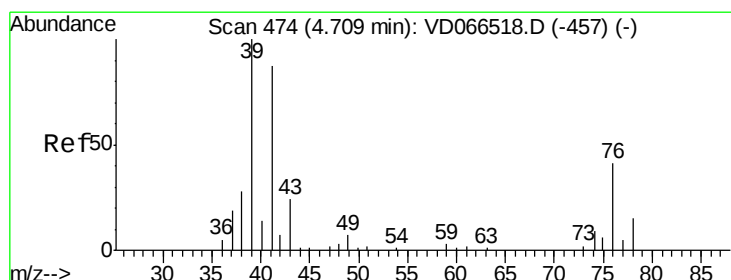
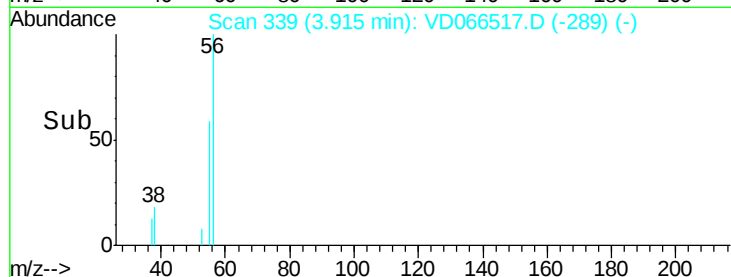
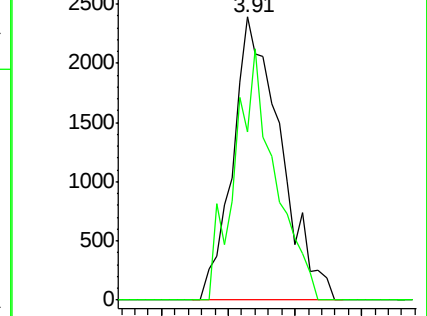
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.719 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

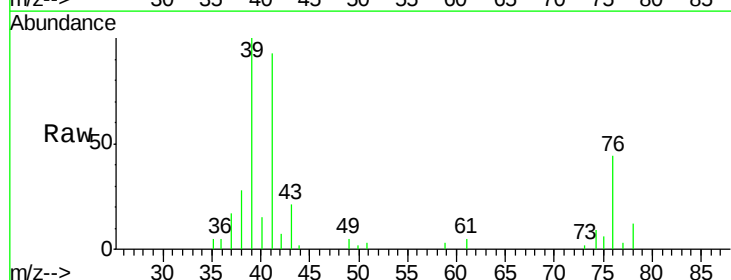
Tgt Ion: 41 Resp: 30057

Ion Ratio Lower Upper

41 100

39 109.8 93.8 140.8

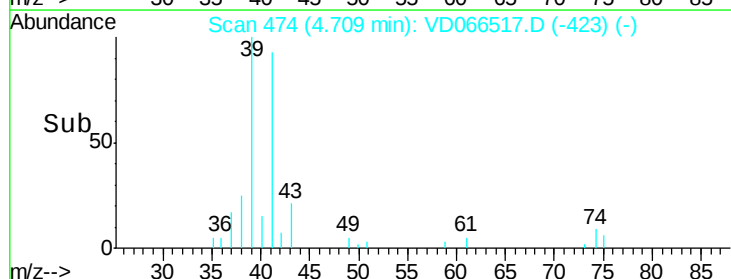
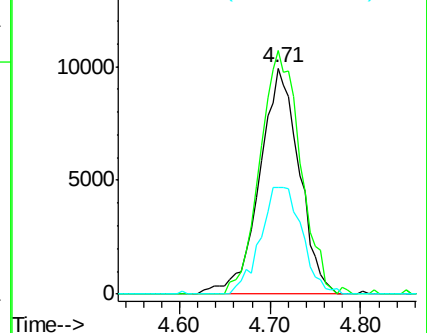
76 49.6 39.4 59.0

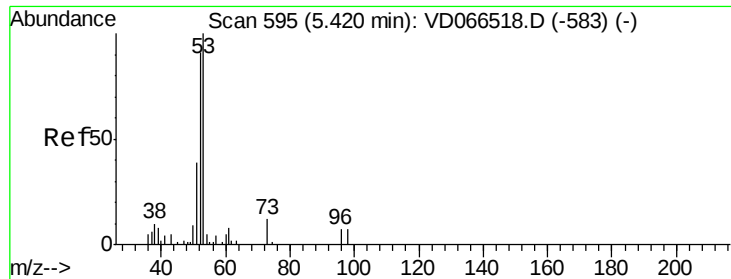


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 97.874 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

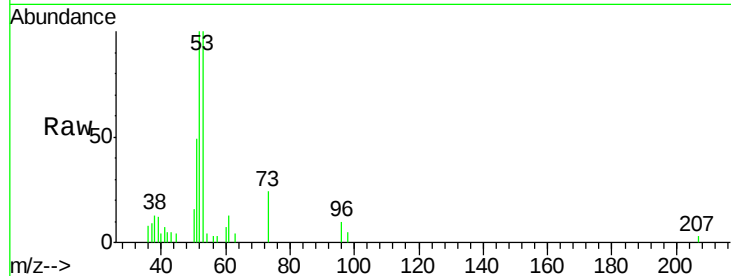
ClientSampleId :

VSTDIC020

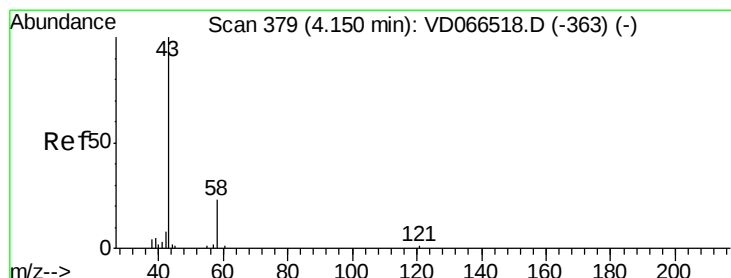
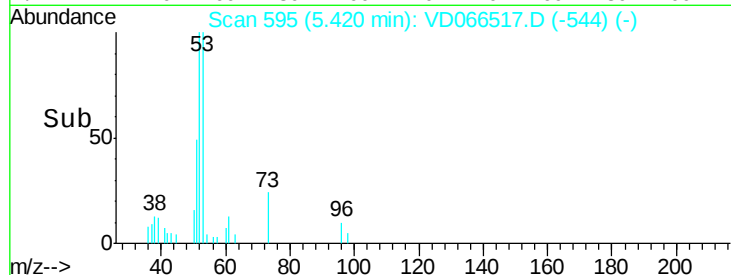
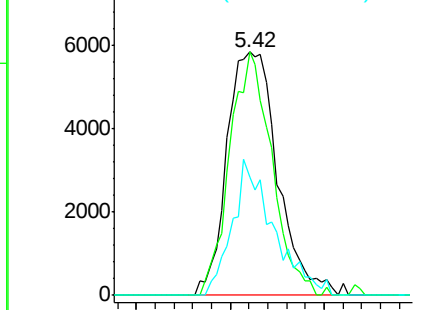
Tot Ion:	53	Resp:	21815
Ion	Ratio	Lower	Upper
53	100		
52	83.0	71.0	106.4
51	45.6	35.8	53.6

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 94.150 ug/l

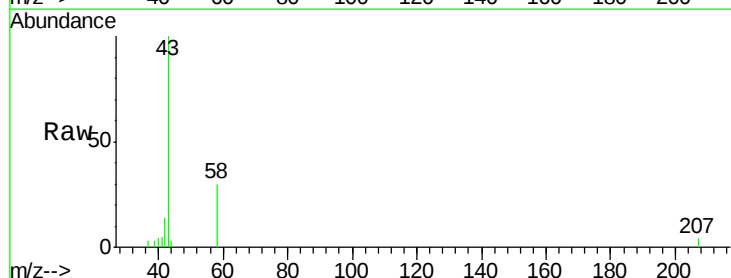
RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

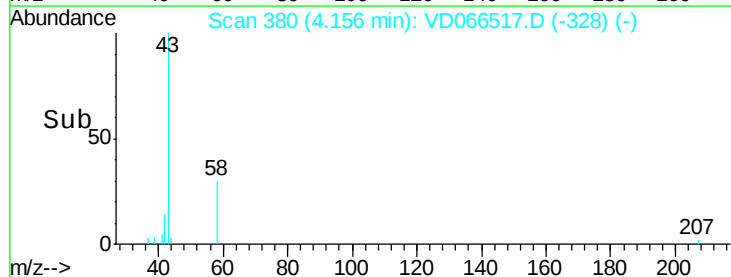
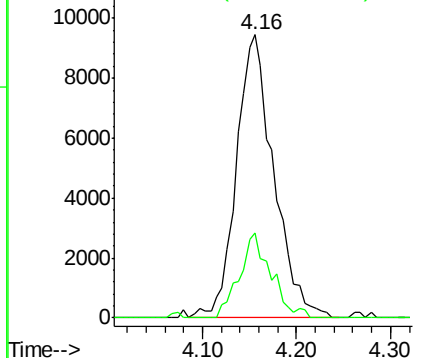
Lab File: VD066517.D

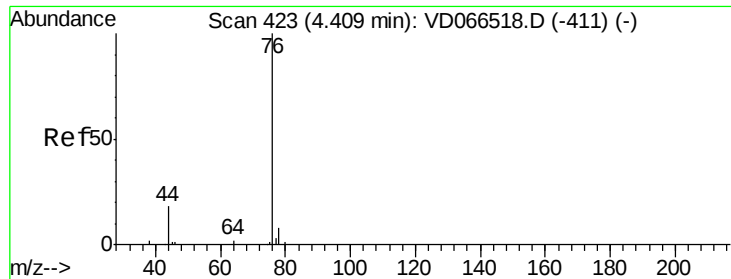
Acq: 02 Sep 2020 12:16

Tgt Ion:	43	Resp:	26048
Ion	Ratio	Lower	Upper
43	100		
58	30.2	18.1	27.1#



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





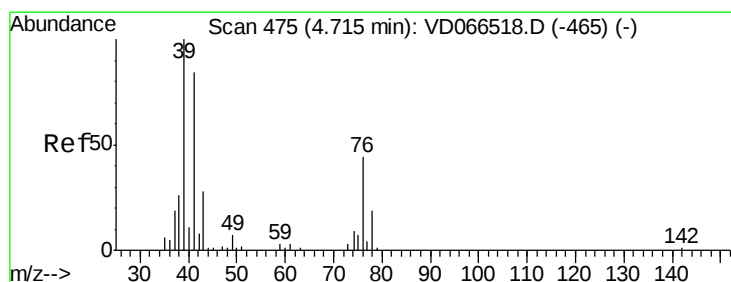
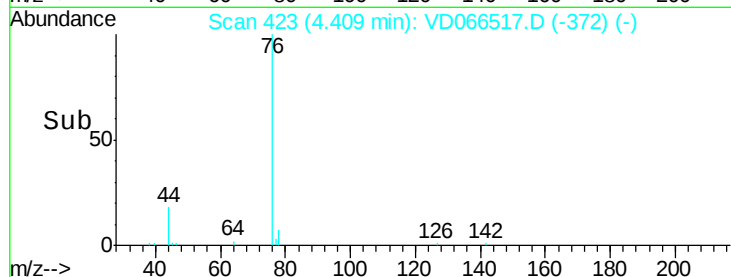
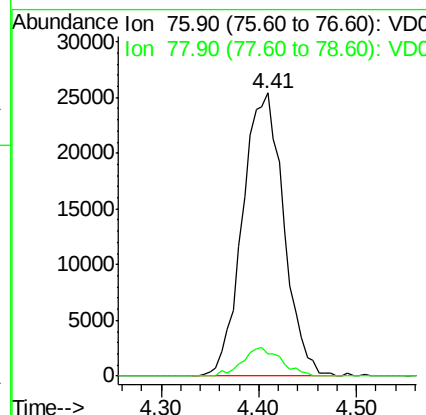
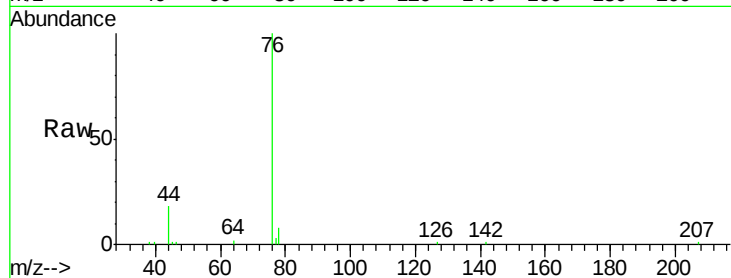
#17
Carbon Disulfide
Concen: 19.894 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	76	Resp	74614
Ion Ratio	Lower	Upper	
76	100		
78	8.1	6.2	9.4

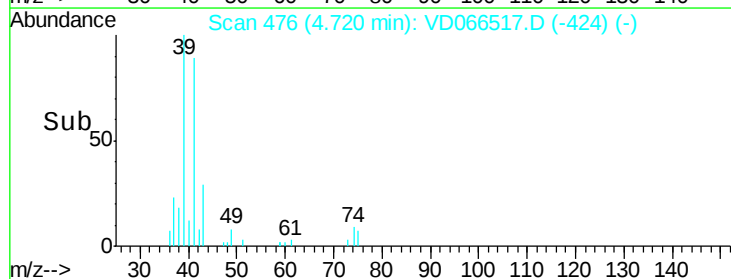
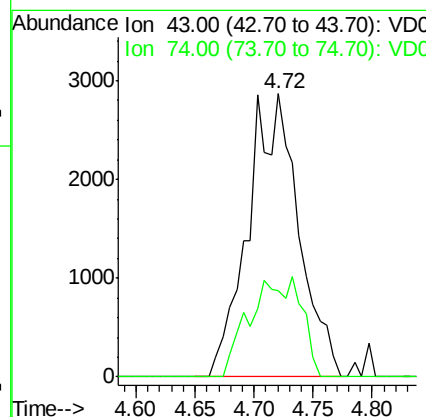
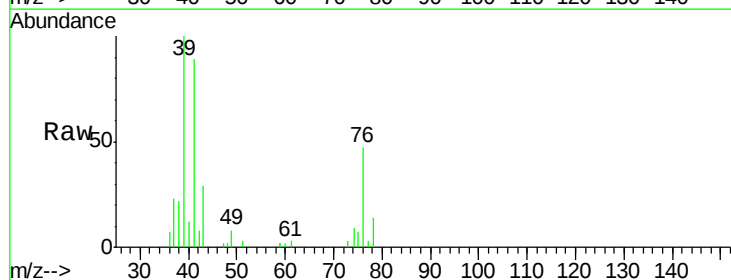
Manual Integrations
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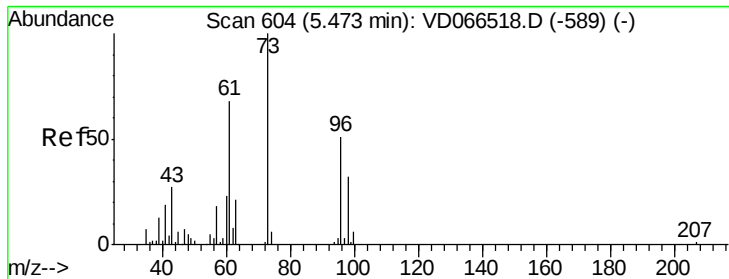
MMDadoda
9/3/2020 4:57:13 PM



#18
Methyl Acetate
Concen: 19.190 ug/l m
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion	43	Resp	8533
Ion Ratio	Lower	Upper	
43	100		
74	0.0	26.3	39.5#





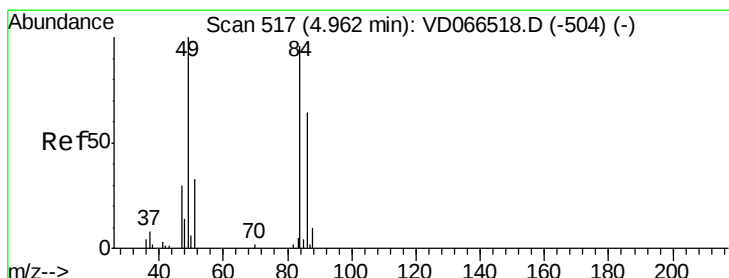
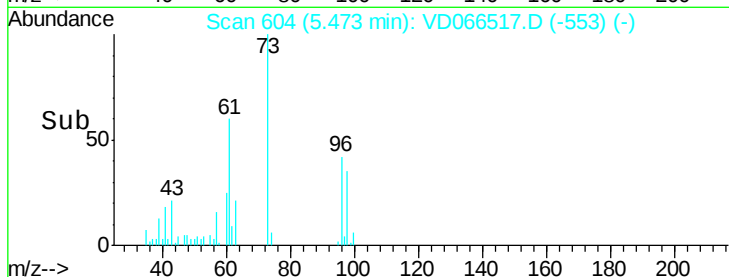
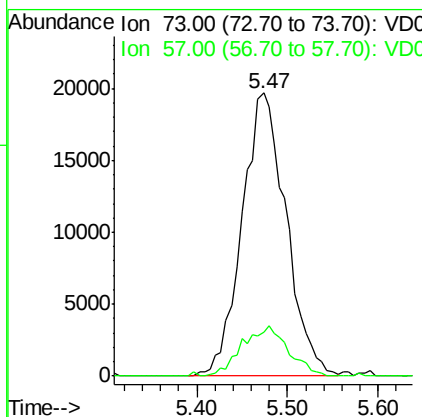
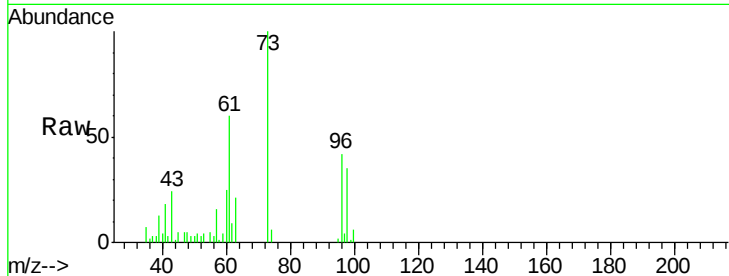
#19
Methvl tert-butvl Ether
Concen: 19.679 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 66641
Ion Ratio Lower Upper
73 100
57 15.6 14.6 22.0

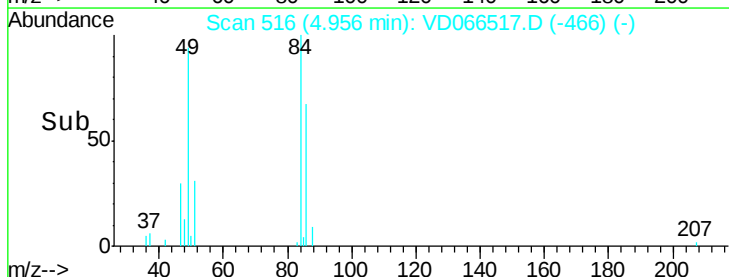
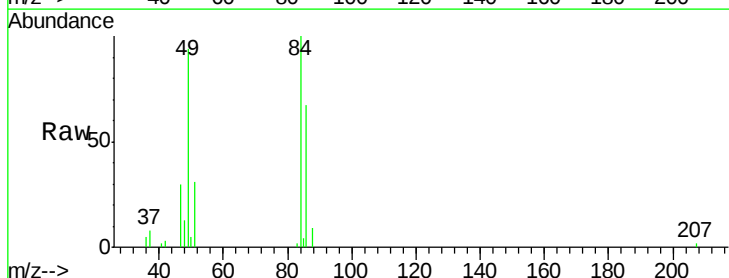
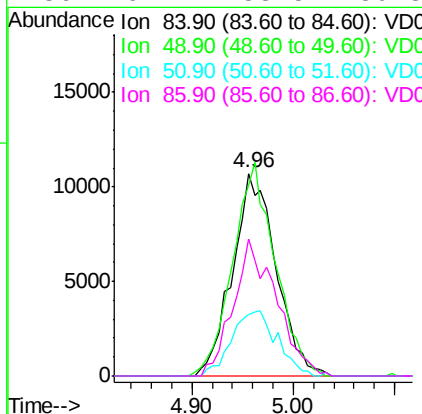
Manual Integrations
APPROVED

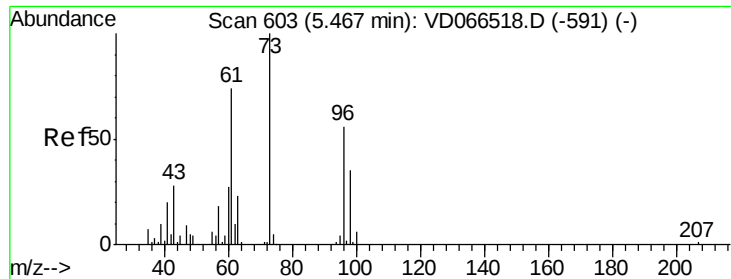
MMDadoda
9/3/2020 4:57:13 PM



#20
Methylene Chloride
Concen: 19.733 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion: 84 Resp: 31862
Ion Ratio Lower Upper
84 100
49 93.9 83.5 125.3
51 30.6 27.8 41.8
86 67.2 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 21.041 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

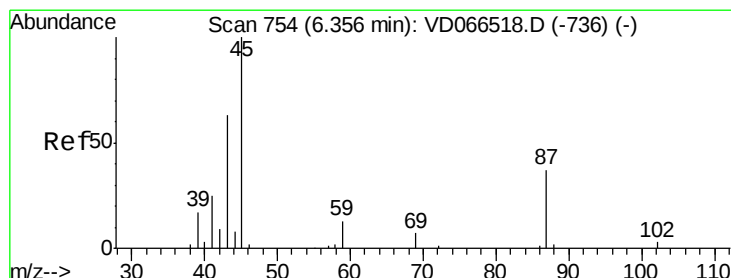
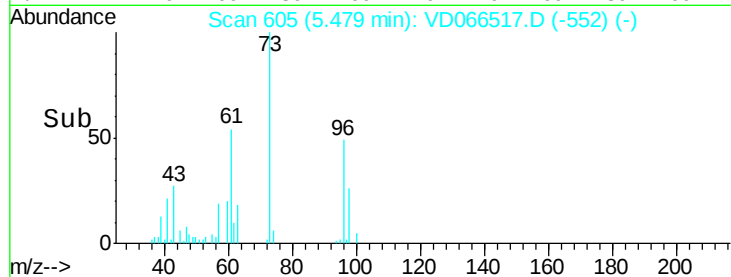
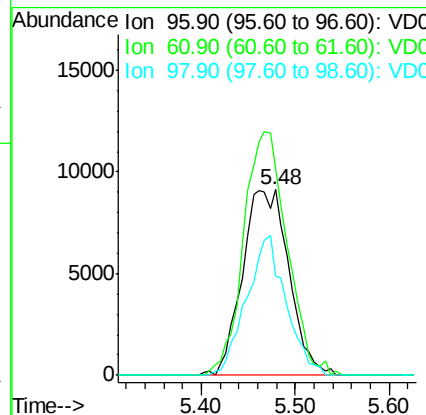
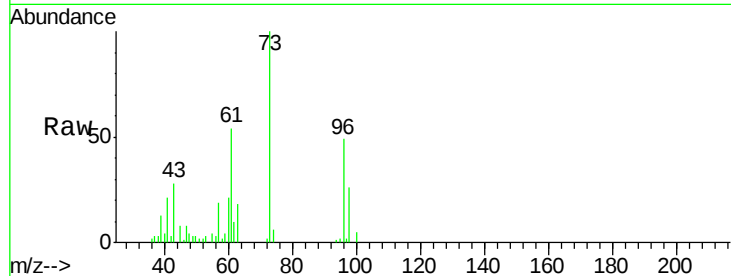
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	31235
Ion	Ratio	Lower	Upper
96	100		
61	111.6	106.6	160.0
98	53.1	50.6	76.0

Manual Integrations
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MMDadoda
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#22

Diisopropyl ether

Concen: 20.041 ug/l

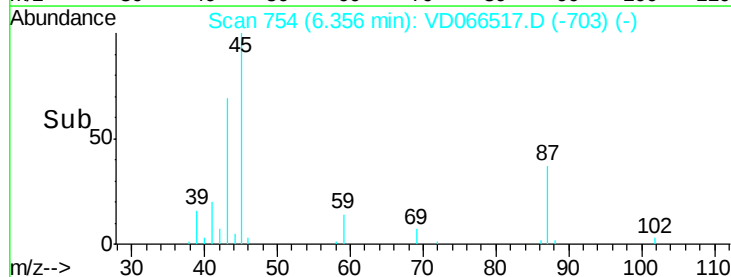
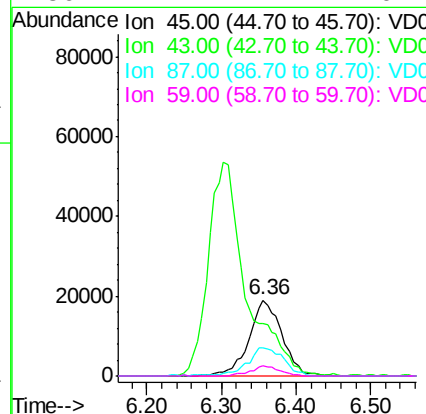
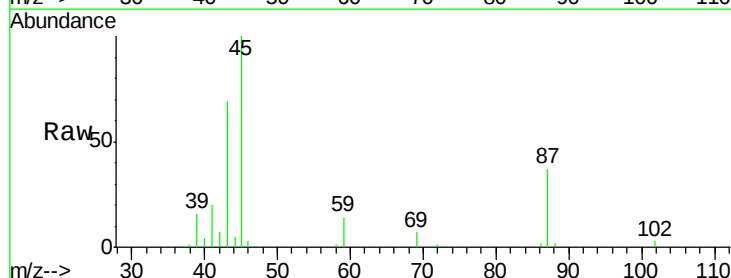
RT: 6.36 min Scan# 754

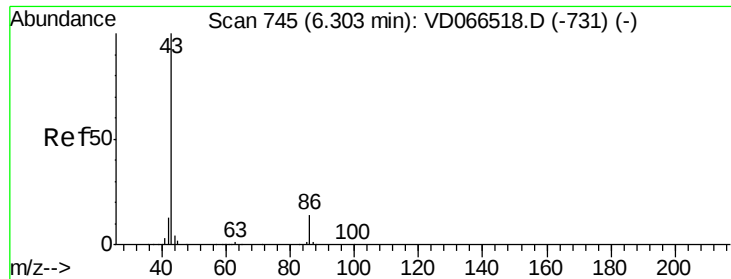
Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Tgt Ion:	45	Resp:	58270
Ion	Ratio	Lower	Upper
45	100		
43	68.6	53.4	80.0
87	36.5	30.2	45.4
59	14.1	11.1	16.7





#23

Vinyl Acetate

Concen: 100.752 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 188331

Ion Ratio Lower Upper

43 100

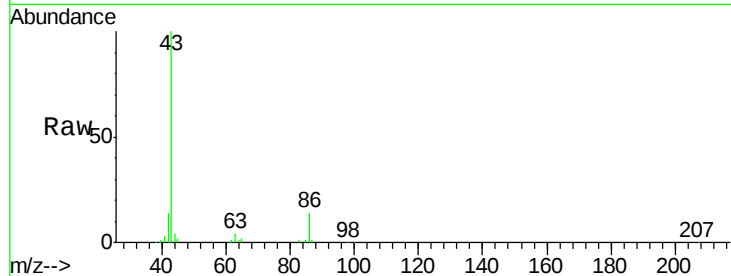
86 13.5 11.3 16.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

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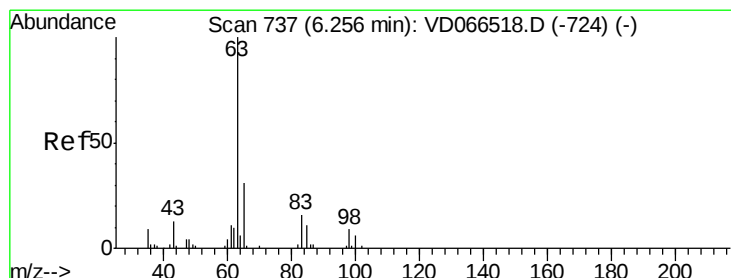
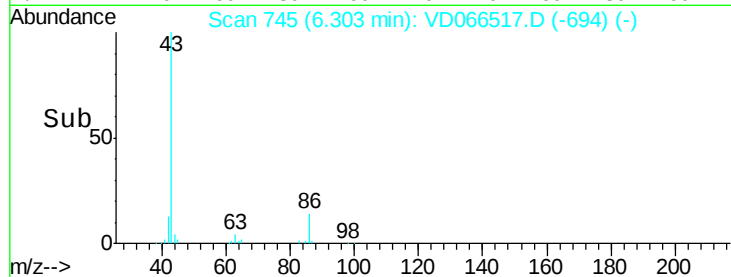
6.30

6.30

6.30

6.30

6.30



#24

1,1-Dichloroethane

Concen: 20.063 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

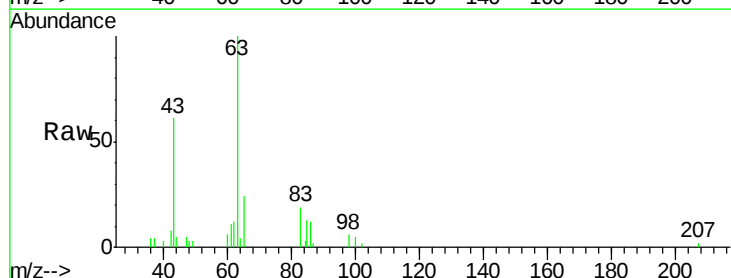
Tgt Ion: 63 Resp: 45815

Ion Ratio Lower Upper

63 100

98 6.2 4.3 13.1

100 4.8 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

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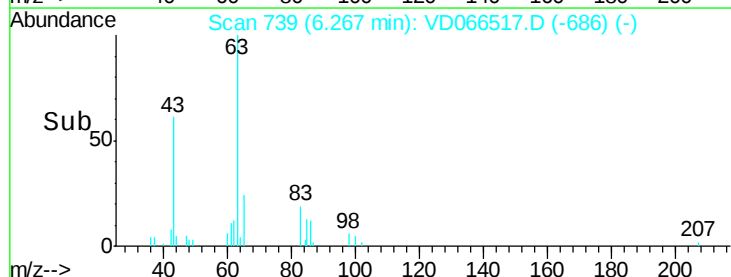
6.27

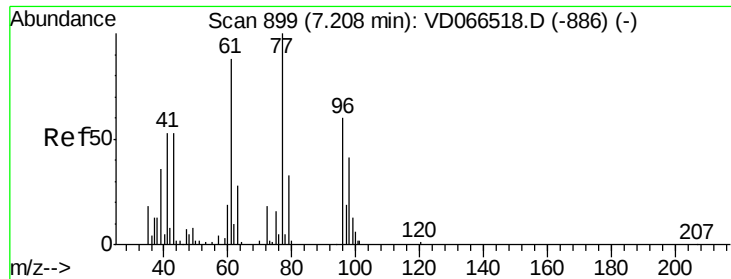
6.27

6.27

6.27

6.27





#25

2-Butanone

Concen: 95.965 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 27480

Ion Ratio Lower Upper

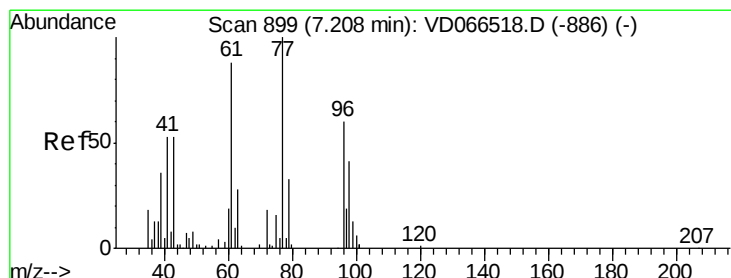
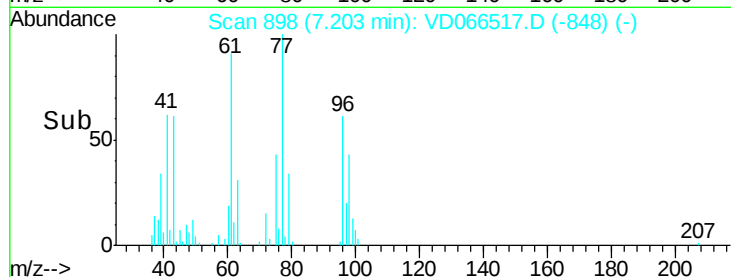
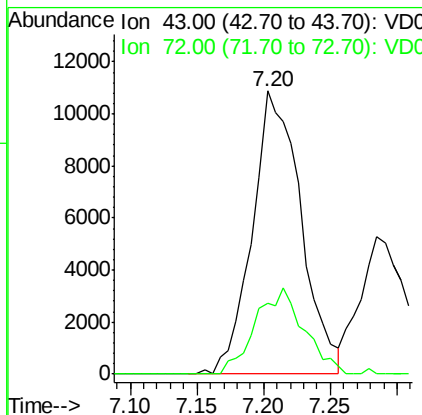
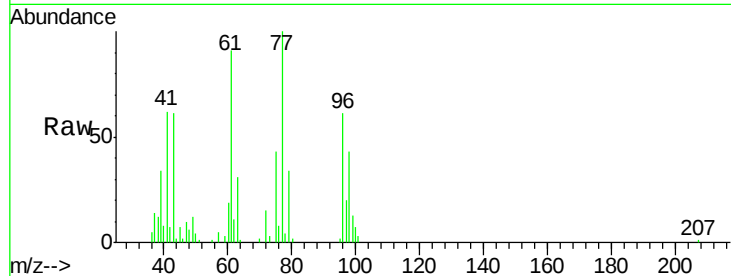
43 100

72 25.1 26.8 40.2#

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.485 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066517.D

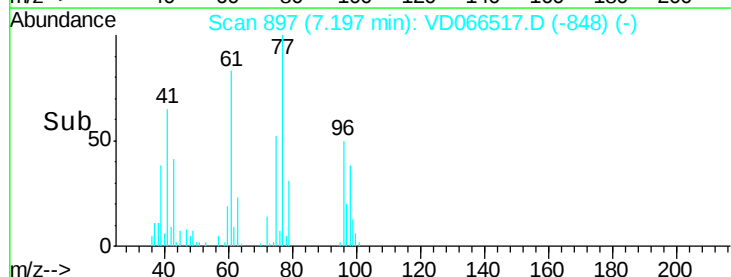
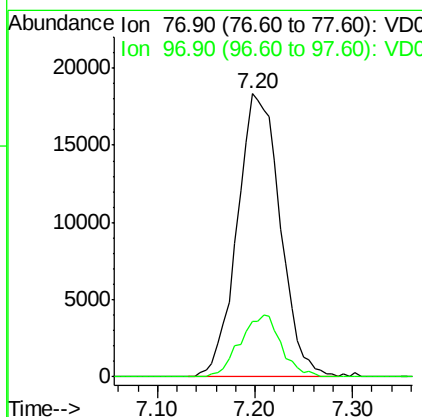
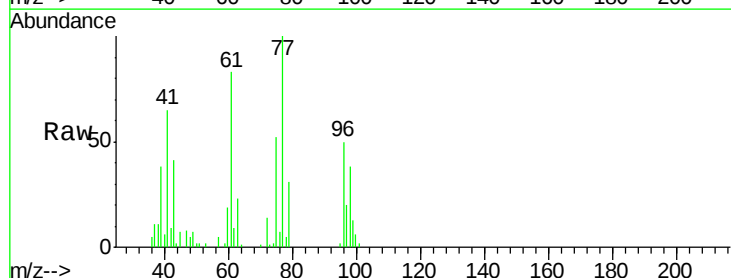
Acq: 02 Sep 2020 12:16

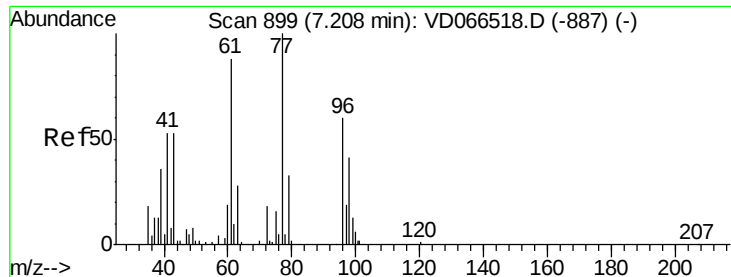
Tgt Ion: 77 Resp: 56381

Ion Ratio Lower Upper

77 100

97 20.8 10.2 30.4





#27

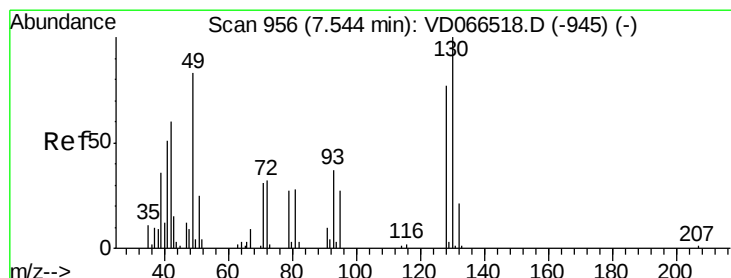
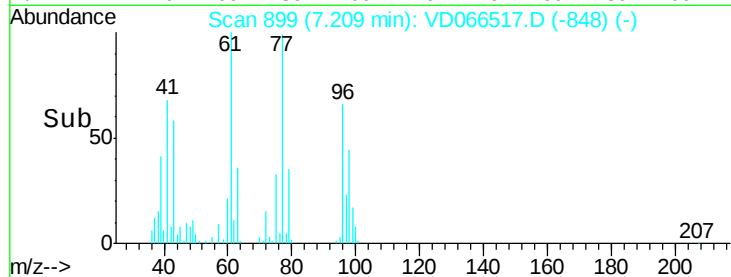
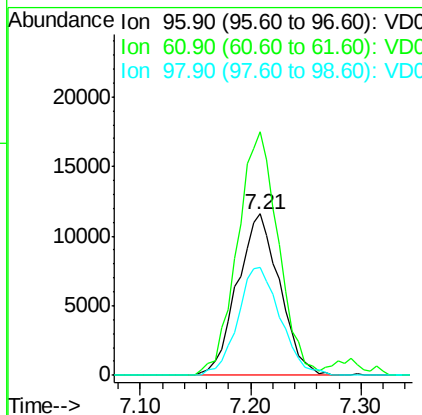
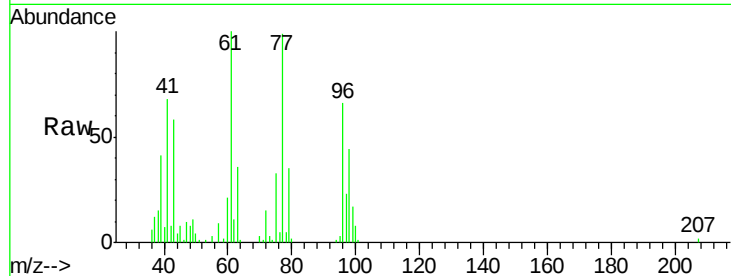
cis-1,2-Dichloroethene
 Concen: 19.373 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	292.8
98	66.8	0.0	130.2

Manual Integrations
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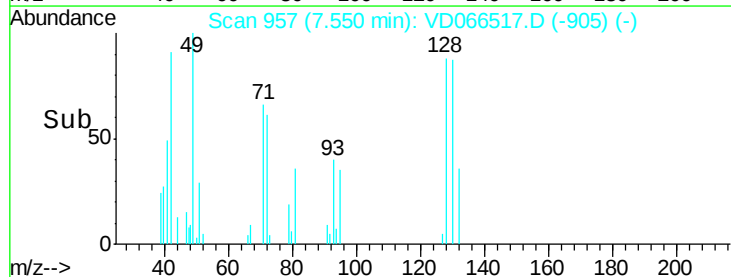
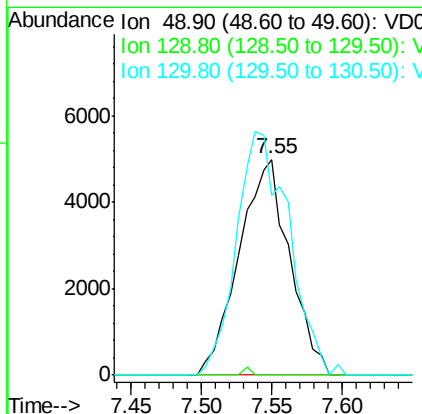
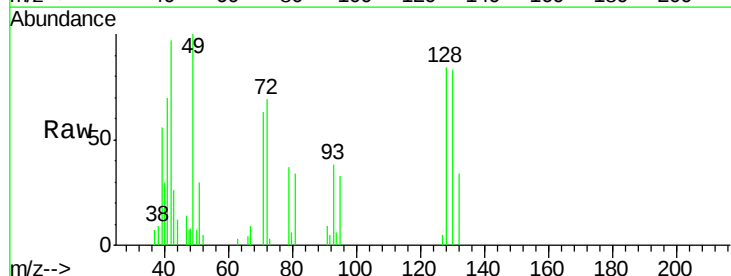
MMDadoda
 9/3/2020 4:57:13 PM

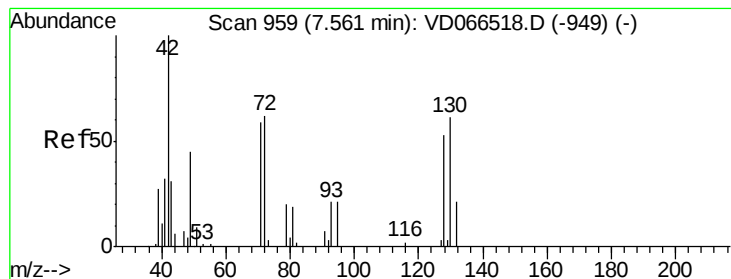


#28

Bromochloromethane
 Concen: 18.925 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	1.2
130	116.7	98.0	147.0





#29

Tetrahydrofuran

Concen: 99.623 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

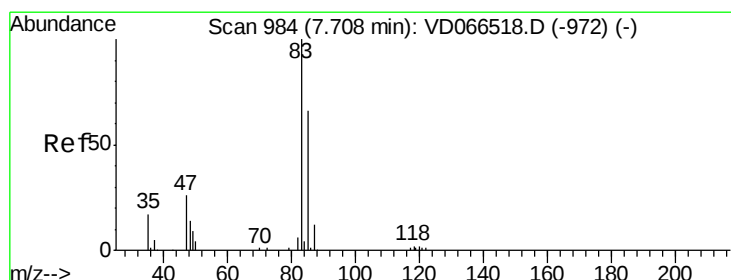
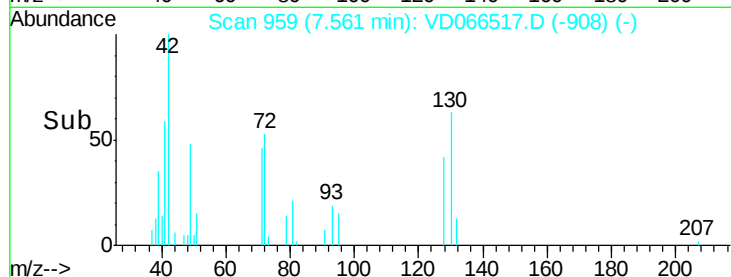
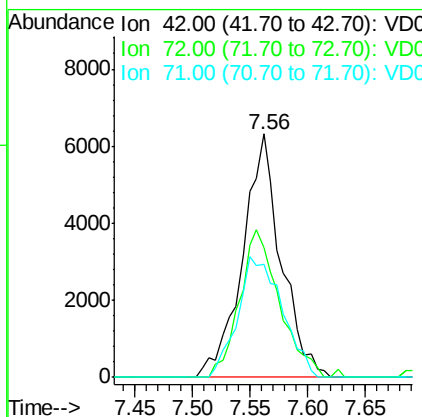
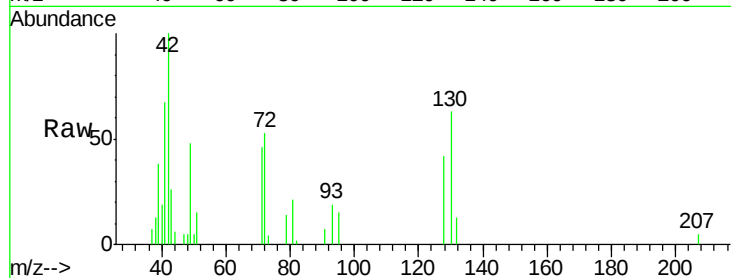
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	14665
Ion	Ratio	Lower	Upper
42	100		
72	62.7	48.6	72.8
71	57.0	43.2	64.8

Manual Integrations
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#30

Chloroform

Concen: 19.981 ug/l

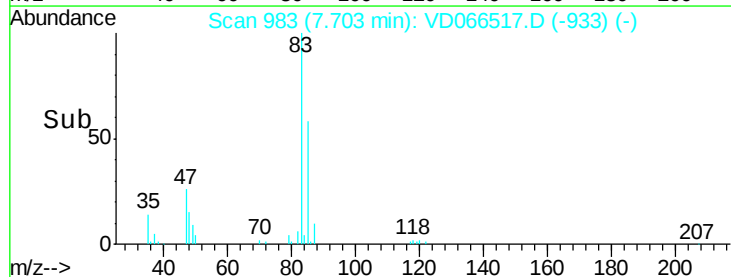
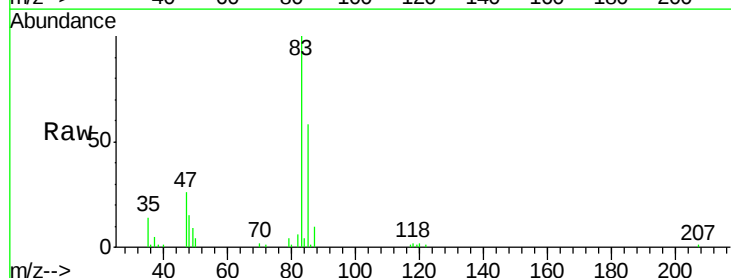
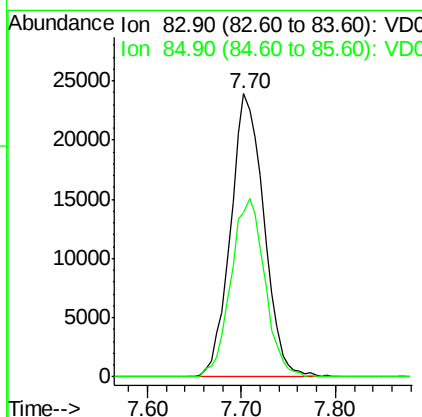
RT: 7.70 min Scan# 983

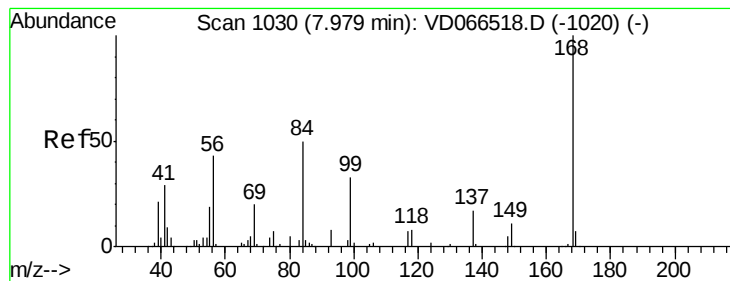
Delta R.T. -0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Tgt Ion:	83	Resp:	58918
Ion	Ratio	Lower	Upper
83	100		
85	58.0	52.6	79.0





#31

Cyclohexane

Concen: 19.553 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 38578

Ion Ratio Lower Upper

56 100

69 45.7 36.8 55.2

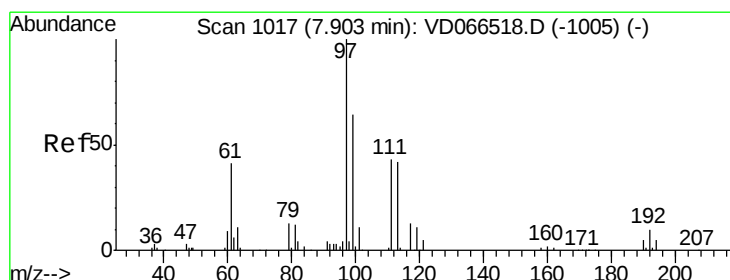
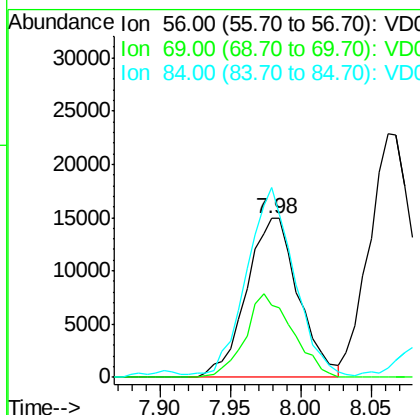
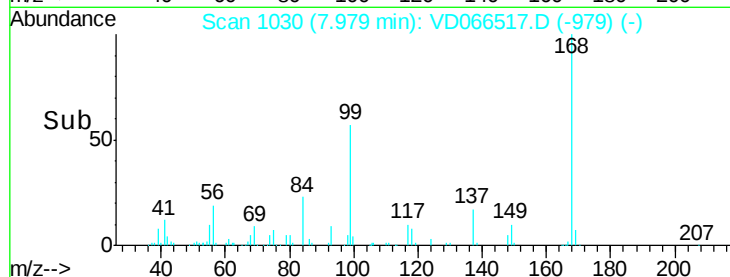
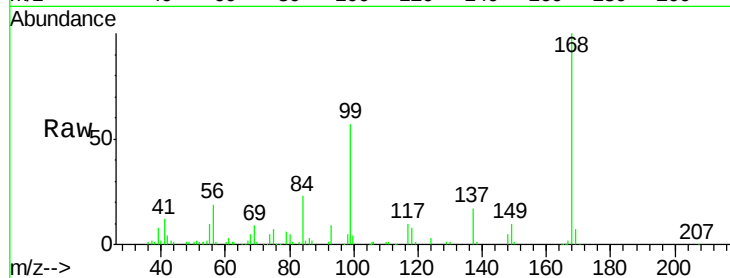
84 117.4 93.4 140.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.132 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

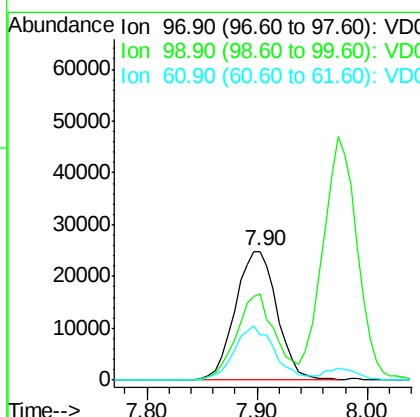
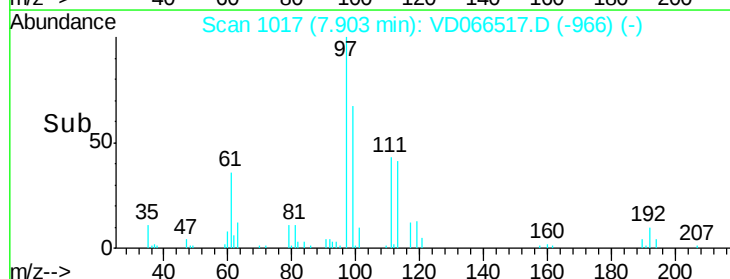
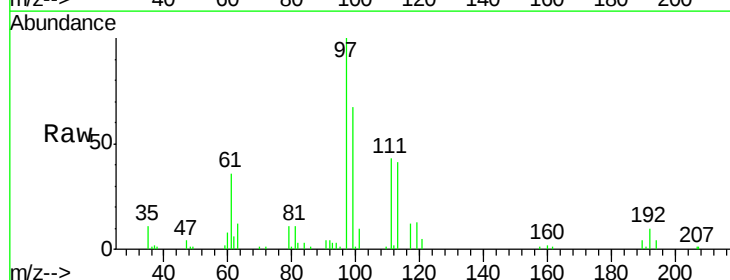
Tgt Ion: 97 Resp: 66113

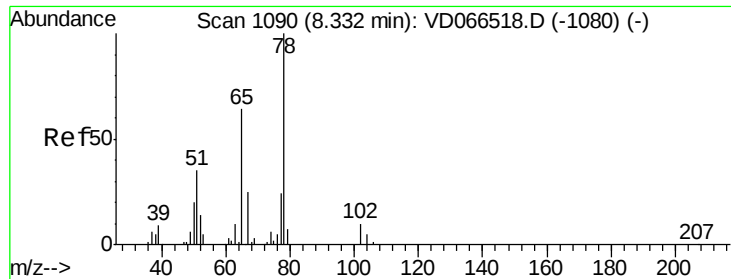
Ion Ratio Lower Upper

97 100

99 62.8 51.7 77.5

61 40.4 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 18.115 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 33888

Ion Ratio Lower Upper

65 100

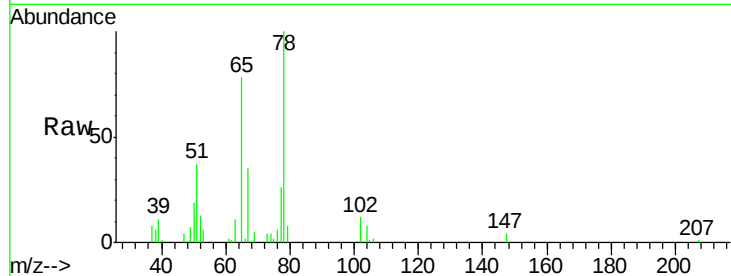
67 43.7 0.0 88.2

Manual Integrations

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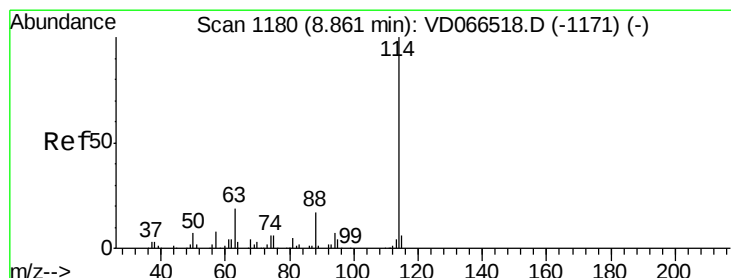
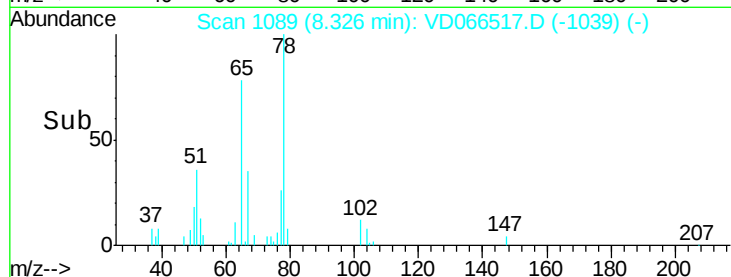
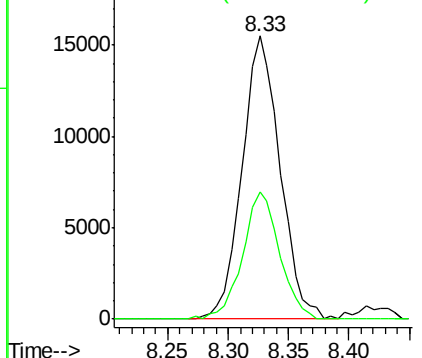
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

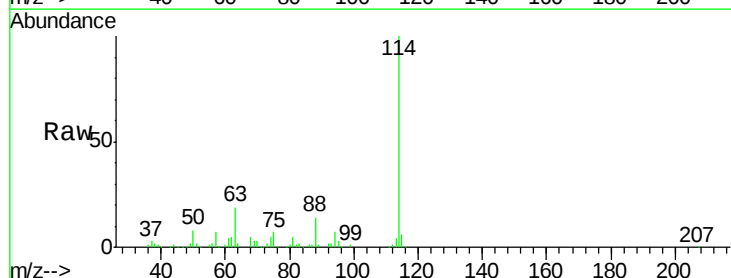
Tgt Ion: 114 Resp: 234463

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

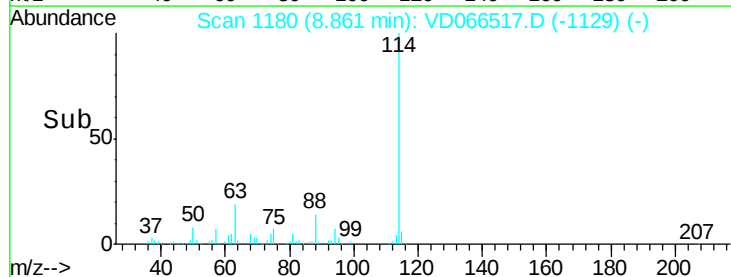
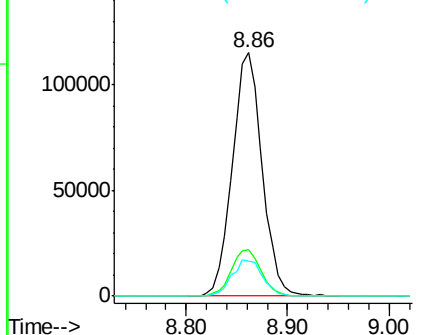
88 14.4 0.0 33.6

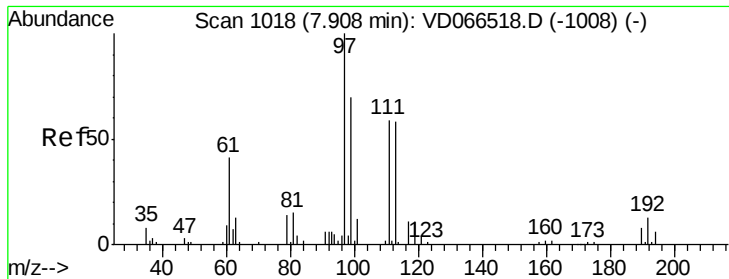


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





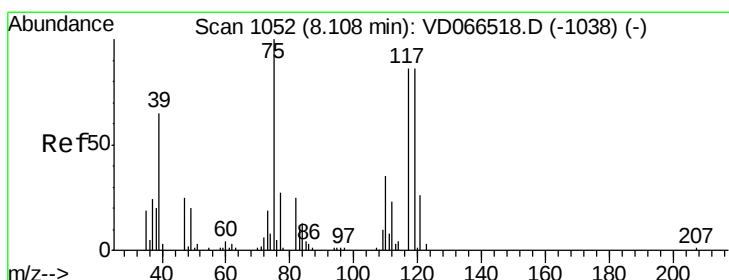
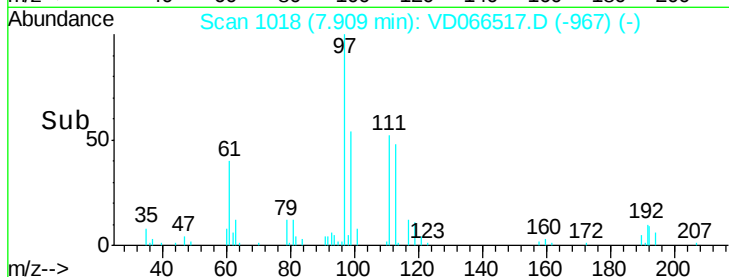
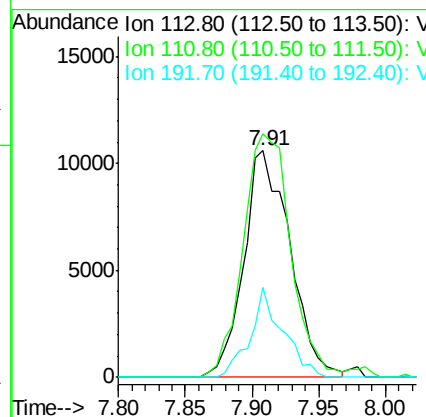
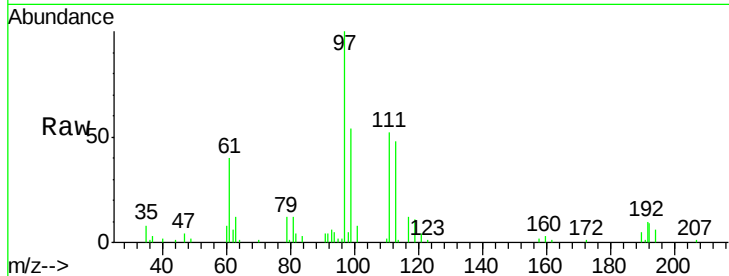
#35
Dibromofluoromethane
Concen: 18.043 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	110.7	82.5	123.7
192	28.0	20.7	31.1

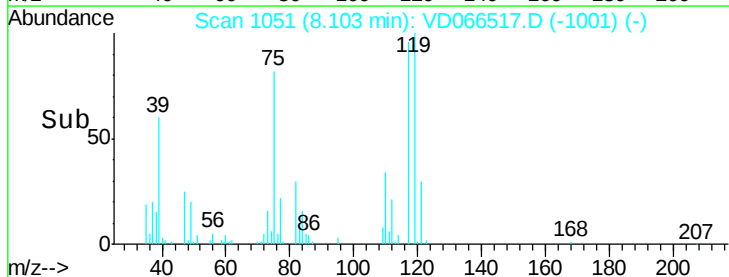
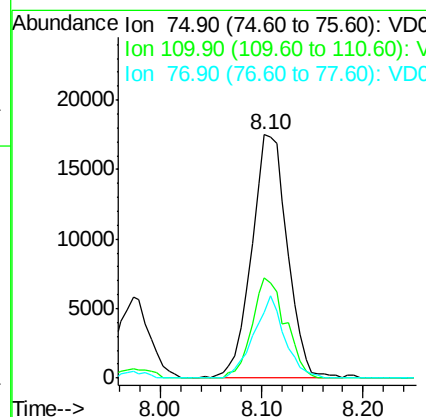
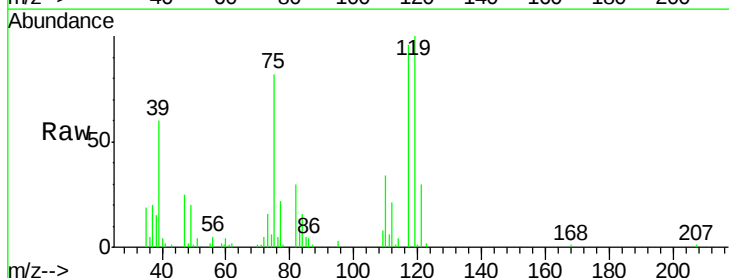
Manual Integrations
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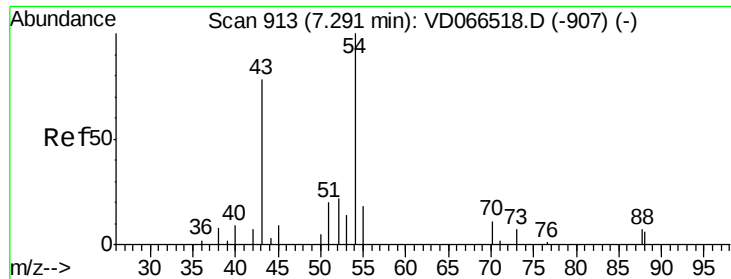
MMDadoda
9/3/2020 4:57:13 PM



#36
1,1-Dichloropropene
Concen: 20.833 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	18.4	55.2
77	29.0	24.6	36.8





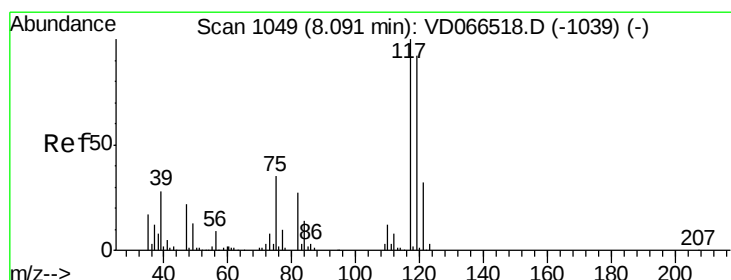
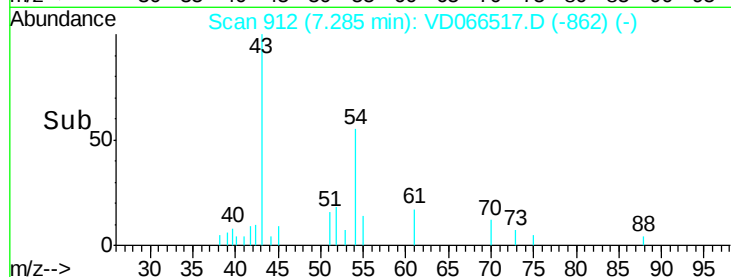
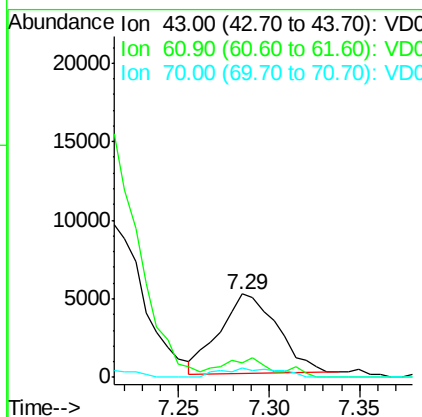
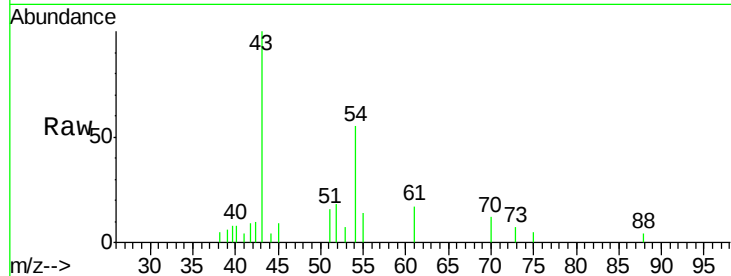
#37
Ethyl Acetate
Concen: 18.256 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 11263
Ion Ratio Lower Upper
43 100
61 21.5 10.7 16.1#
70 11.7 10.2 15.2

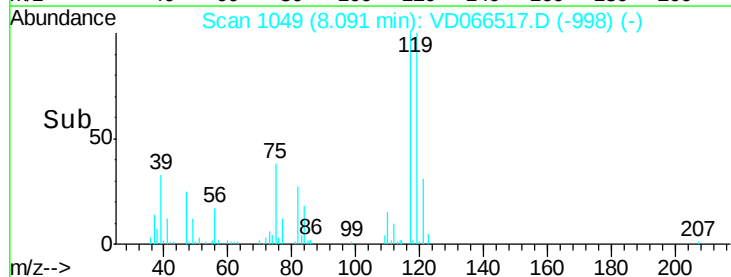
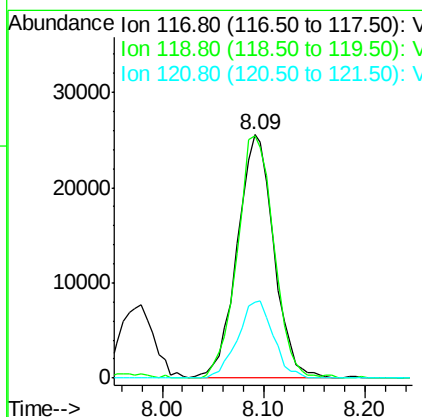
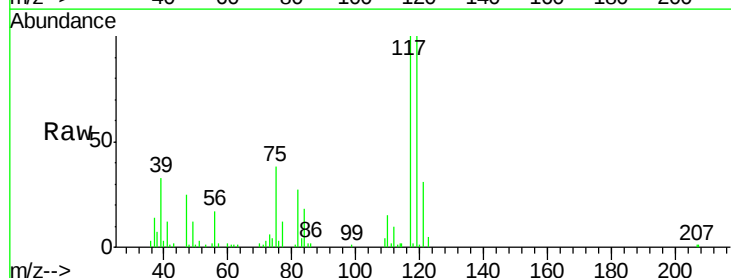
Manual Integrations
APPROVED

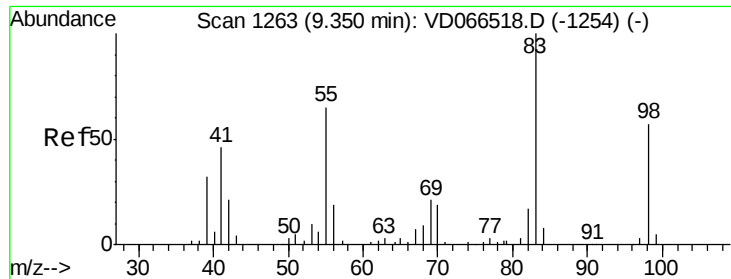
MMDadoda
9/3/2020 4:57:13 PM



#38
Carbon Tetrachloride
Concen: 20.430 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion: 117 Resp: 63966
Ion Ratio Lower Upper
117 100
119 99.6 73.9 110.9
121 31.1 25.6 38.4





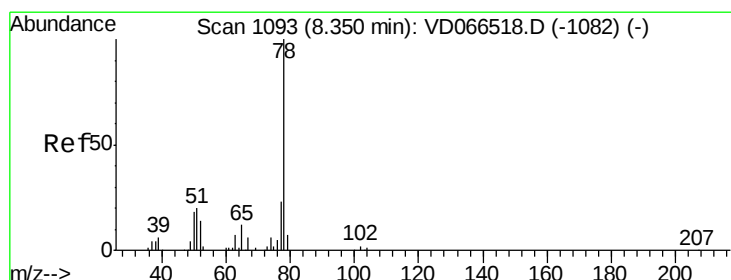
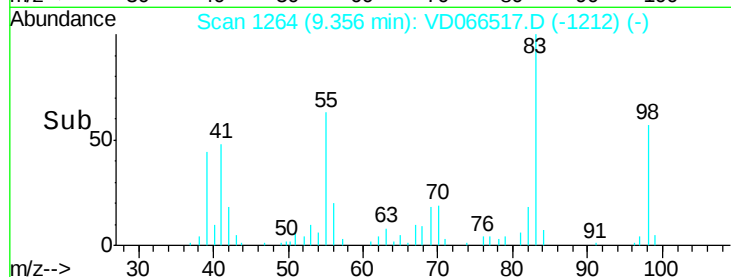
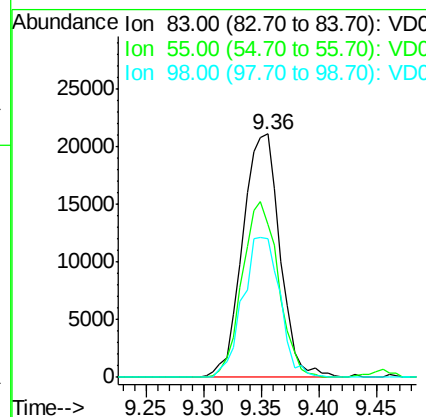
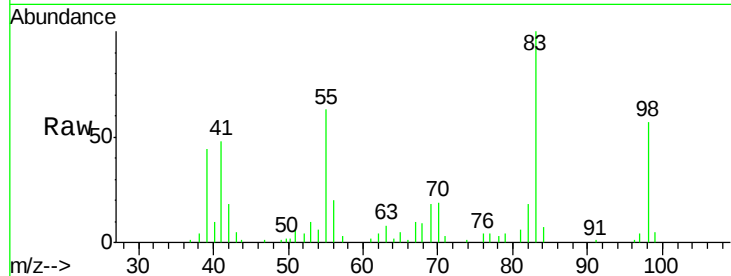
#39
Methvlcvclohexane
Concen: 19.695 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	47292
Ion Ratio	100	Lower	Upper
83	100		
55	62.9	52.2	78.2
98	57.0	45.6	68.4

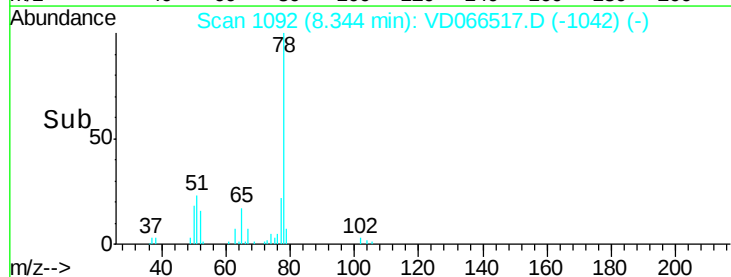
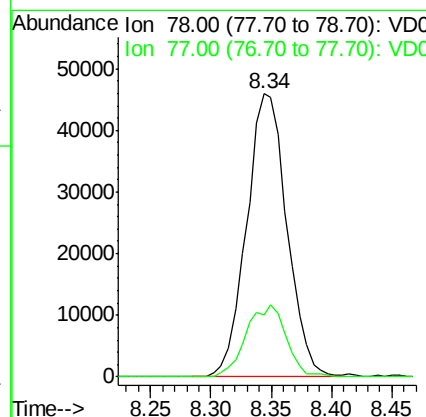
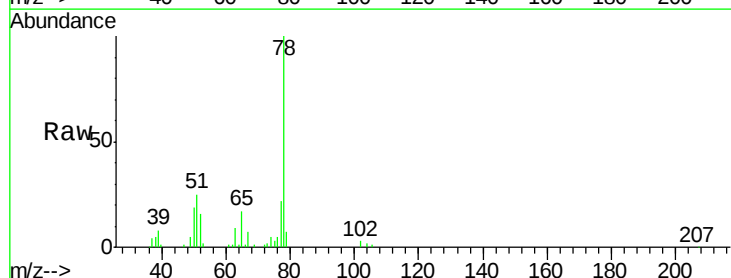
Manual Integrations
APPROVED

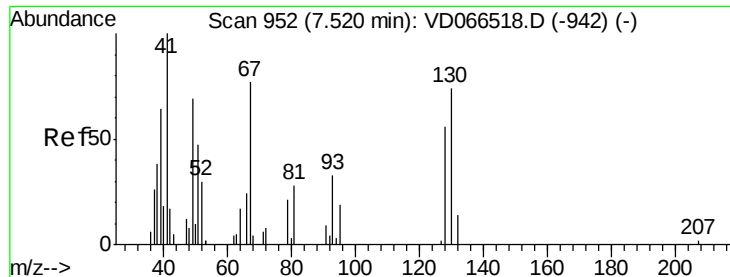
MMDadoda
9/3/2020 4:57:13 PM



#40
Benzene
Concen: 20.128 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion	78	Resp	106718
Ion Ratio	100	Lower	Upper
78	100		
77	21.9	18.1	27.1





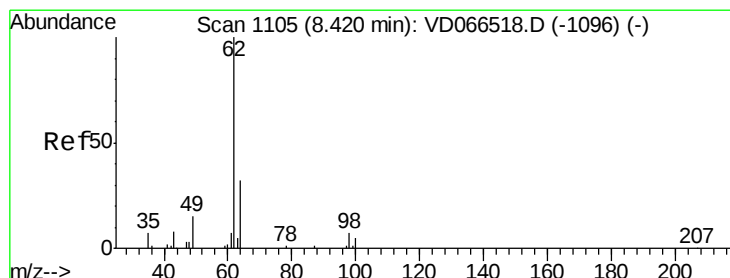
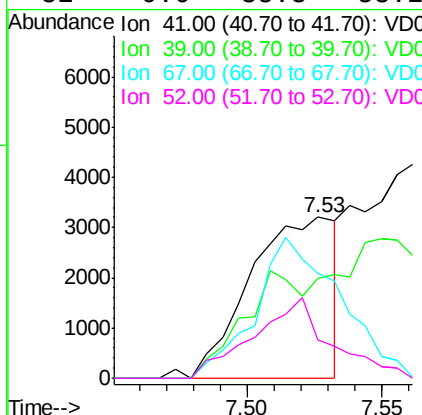
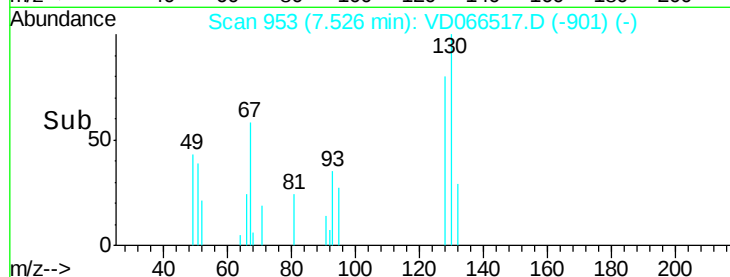
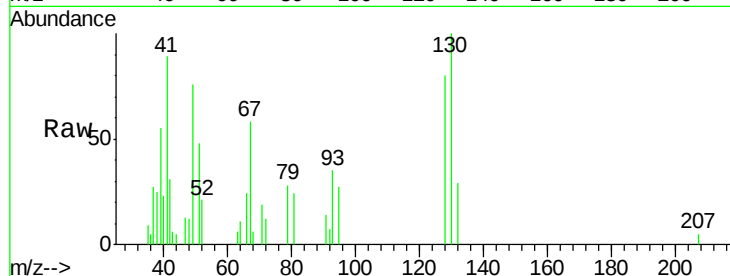
#41
Methacrylonitrile
Concen: 20.181 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 41 Resp: 7089
Ion Ratio Lower Upper
41 100
39 121.4 0.0 0.0#
67 0.0 85.0 127.4#
52 0.0 38.8 58.2#

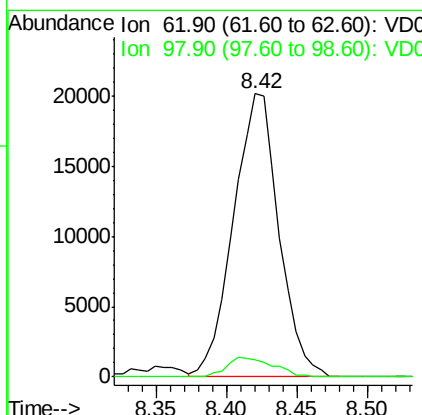
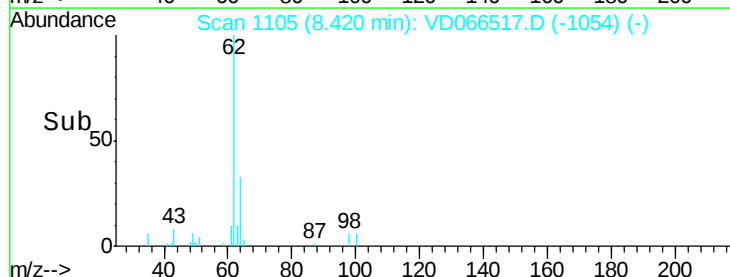
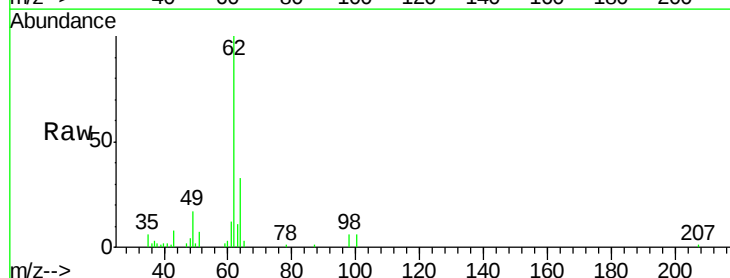
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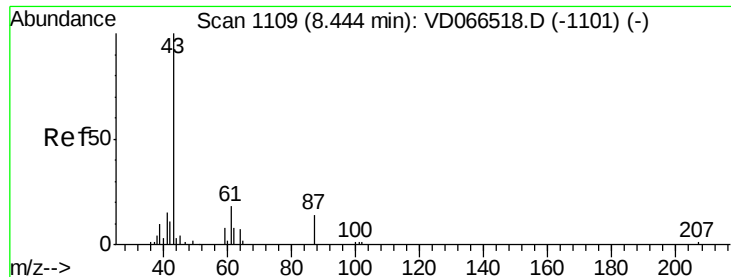
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.268 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion: 62 Resp: 45459
Ion Ratio Lower Upper
62 100
98 7.2 0.0 15.2





#43

Isopropyl Acetate

Concen: 19.380 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

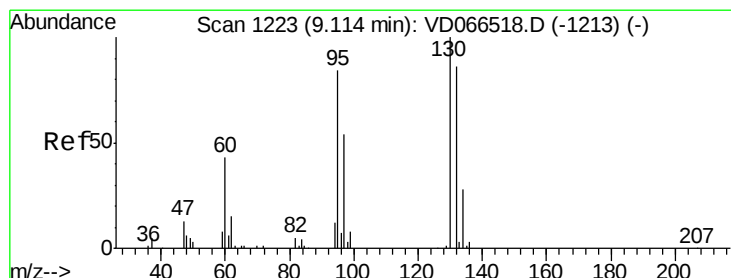
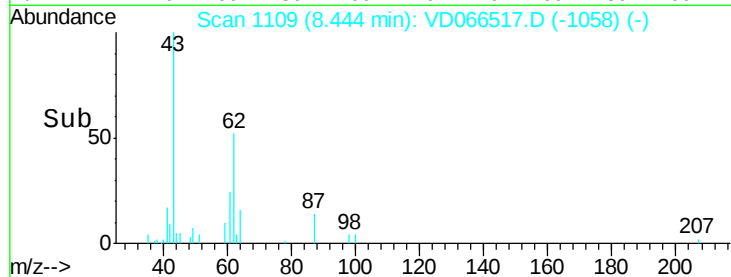
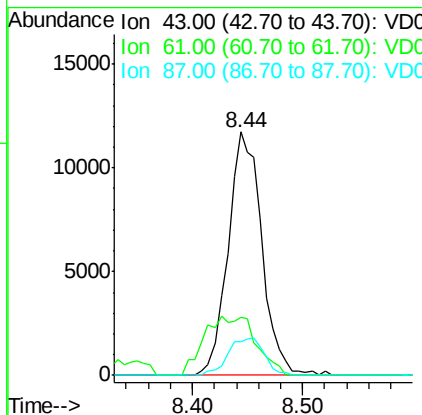
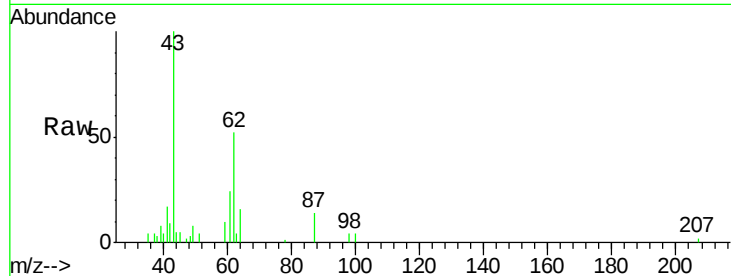
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	25047
Ion Ratio	Lower	Upper	
43	100		
61	0.0	26.9	40.3#
87	16.6	12.9	19.3

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#44

Trichloroethene

Concen: 19.930 ug/l

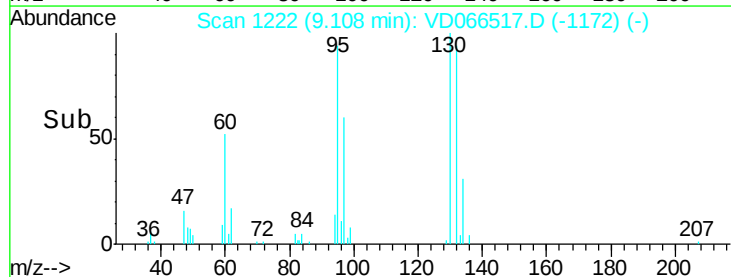
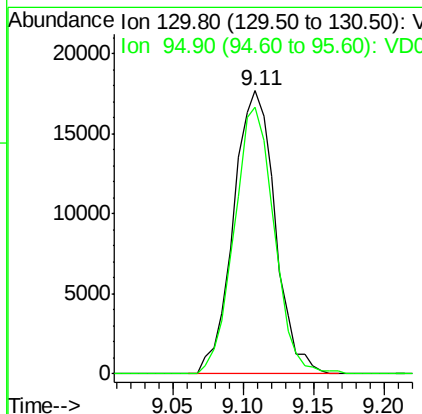
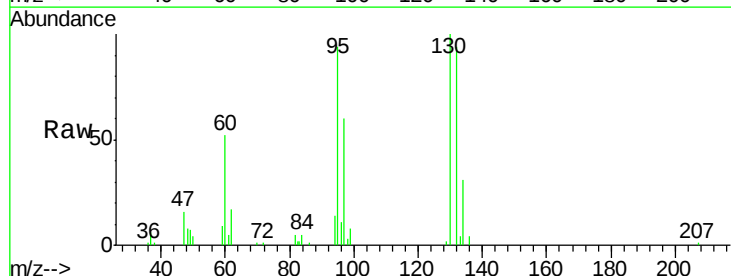
RT: 9.11 min Scan# 1222

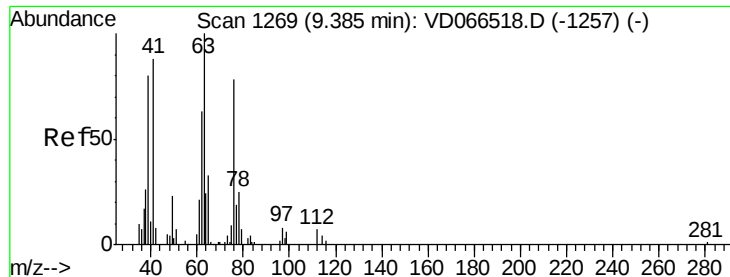
Delta R.T. -0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Tgt Ion:	130	Resp:	36472
Ion Ratio	Lower	Upper	
130	100		
95	94.0	0.0	167.2





#45

1,2-Dichloropropane

Concen: 19.944 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 20980

Ion Ratio Lower Upper

63 100

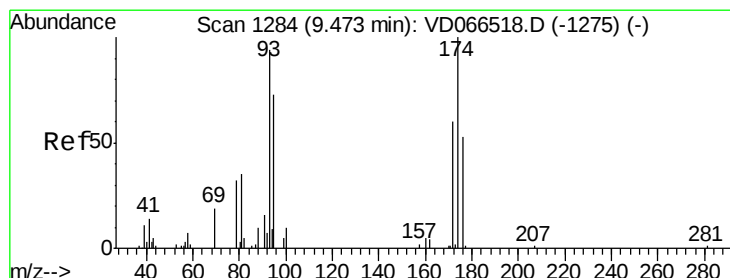
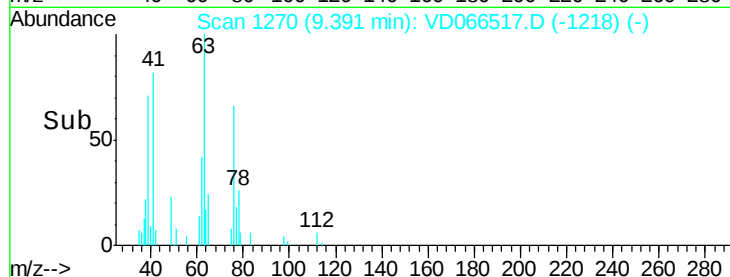
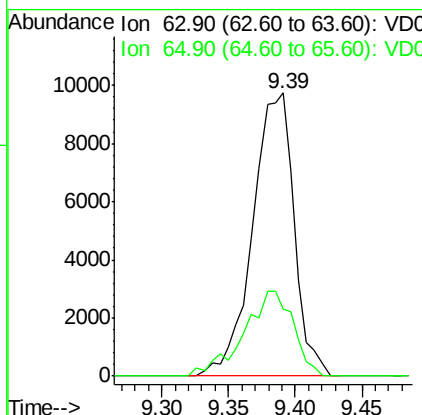
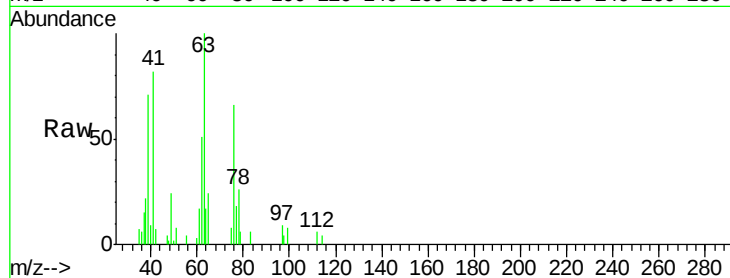
65 23.6 26.2 39.4#

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#46

Dibromomethane

Concen: 20.390 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

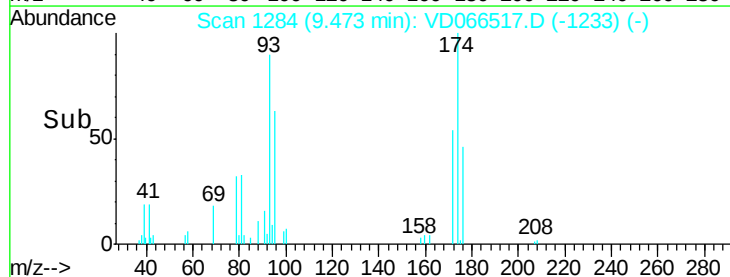
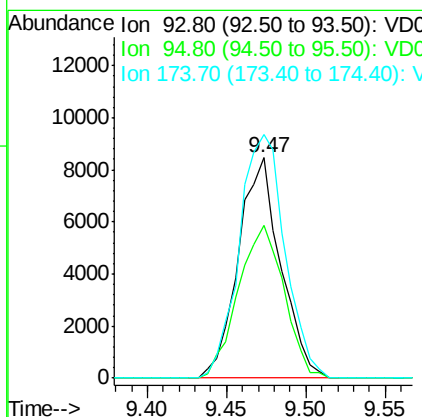
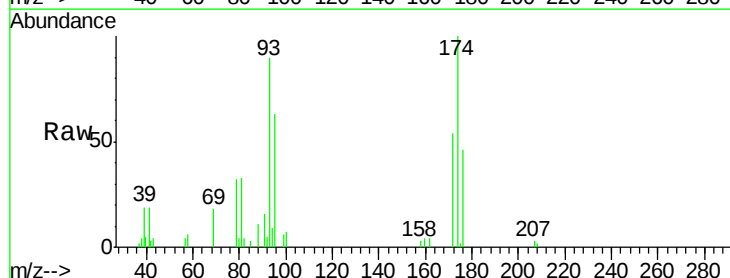
Tgt Ion: 93 Resp: 15703

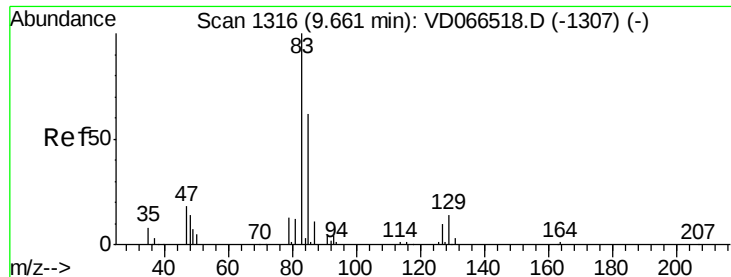
Ion Ratio Lower Upper

93 100

95 75.0 63.9 95.9

174 119.6 94.4 141.6





#47

Bromodichloromethane

Concen: 20.424 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

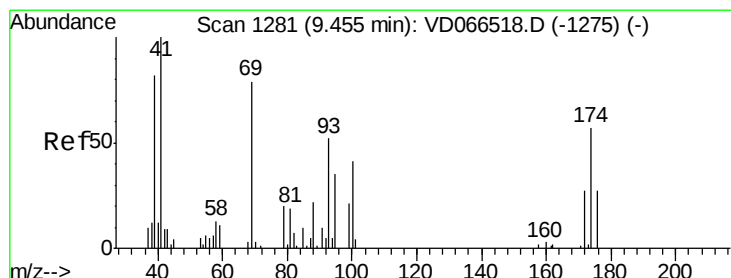
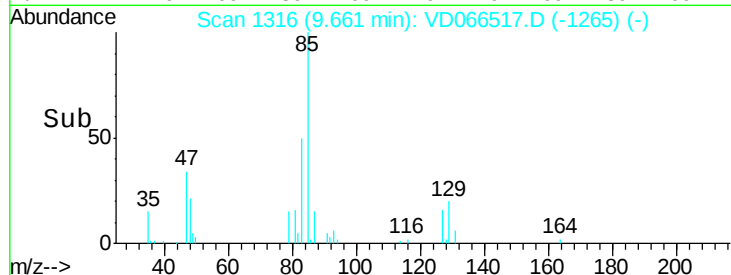
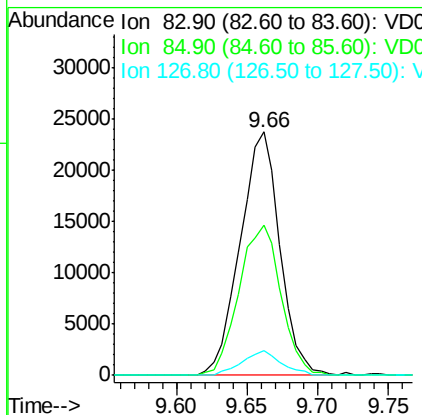
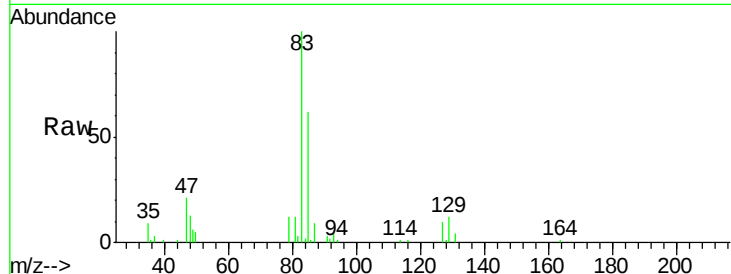
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	46751
Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.6	74.4
127	10.1	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.017 ug/l

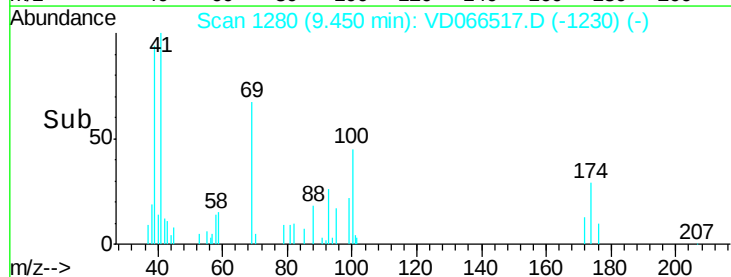
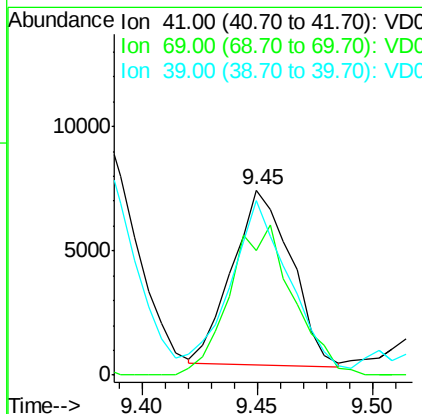
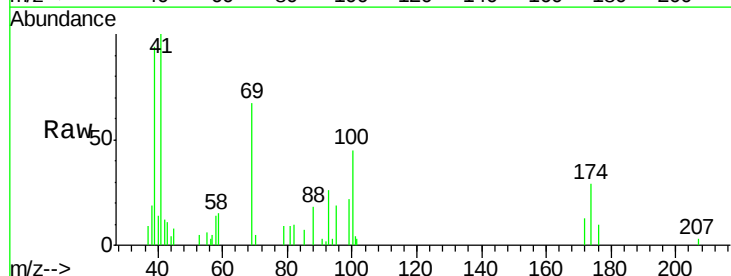
RT: 9.45 min Scan# 1280

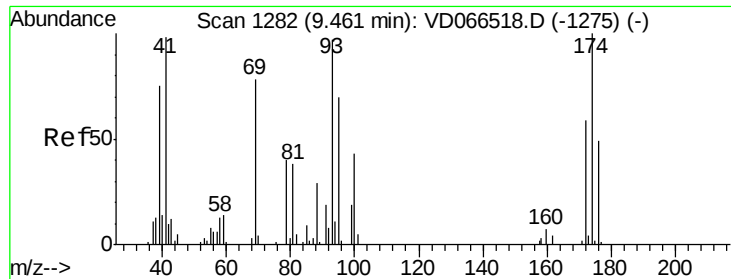
Delta R.T. -0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Tgt Ion:	41	Resp:	12525
Ion	Ratio	Lower	Upper
41	100		
69	92.3	71.1	106.7
39	93.9	75.4	113.2





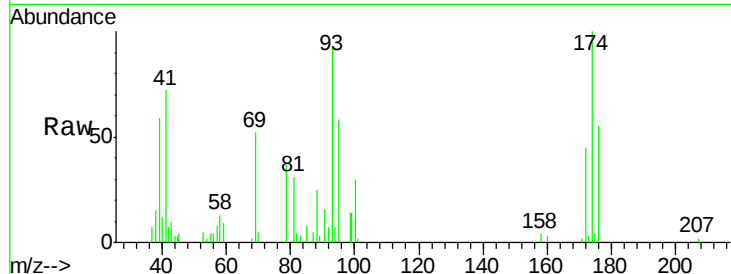
#49
1,4-Dioxane
Concen: 408.036 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

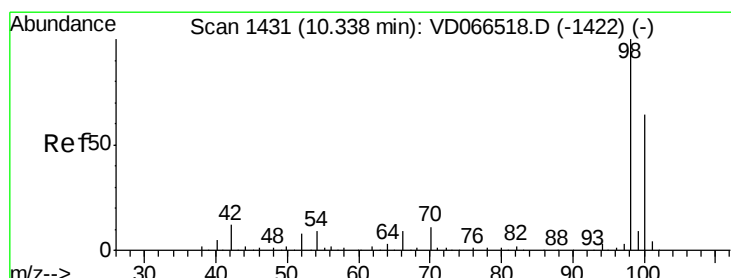
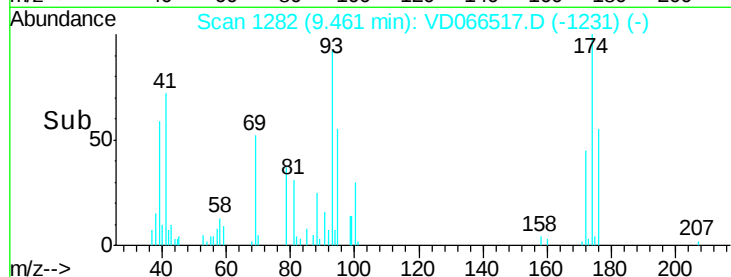
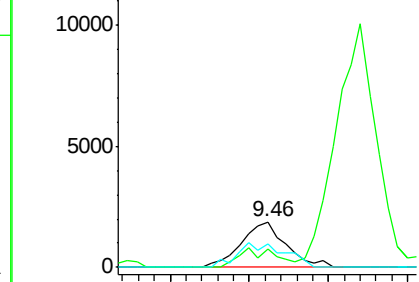
Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	33.8	50.6
58	57.2	46.2	69.4

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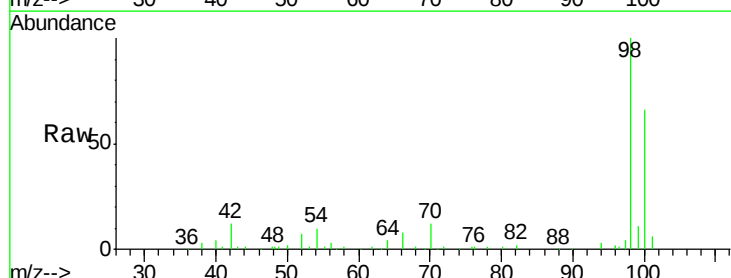


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

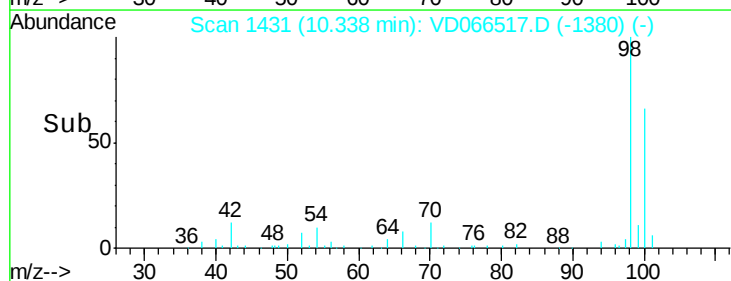
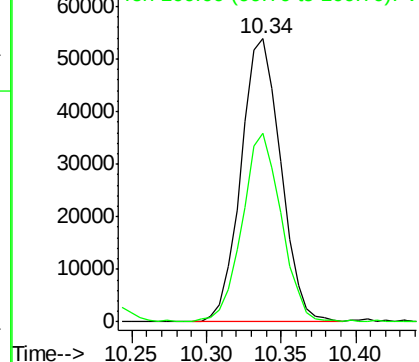


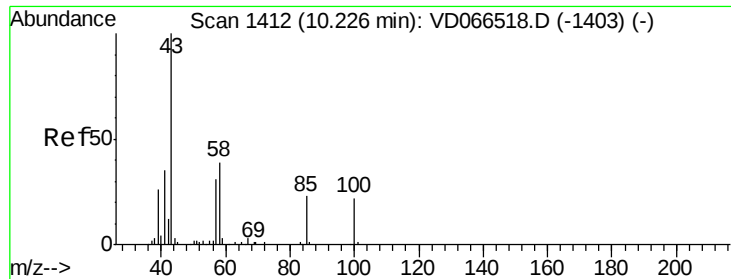
#50
Toluene-d8
Concen: 18.817 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.8	79.2



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





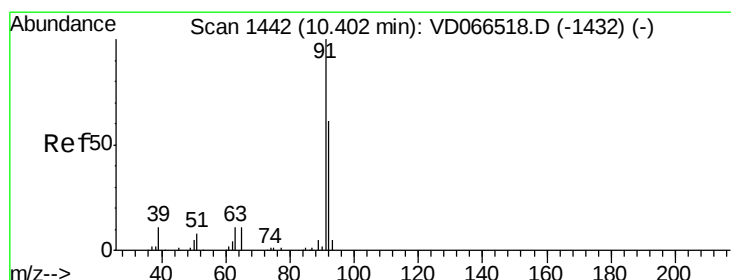
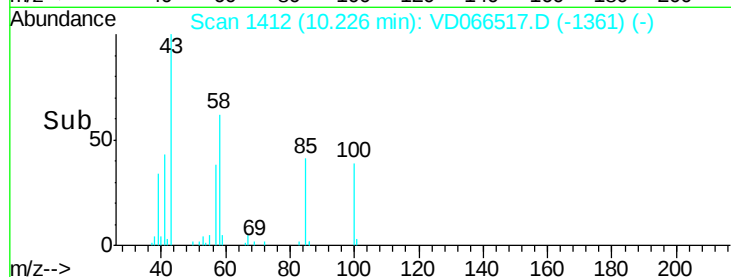
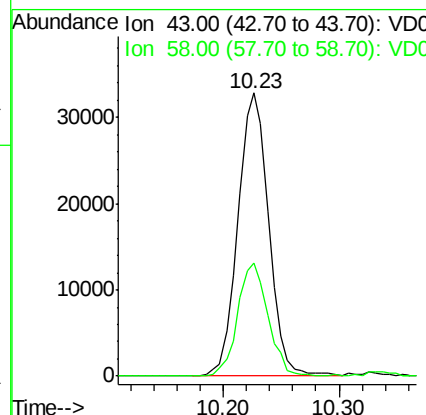
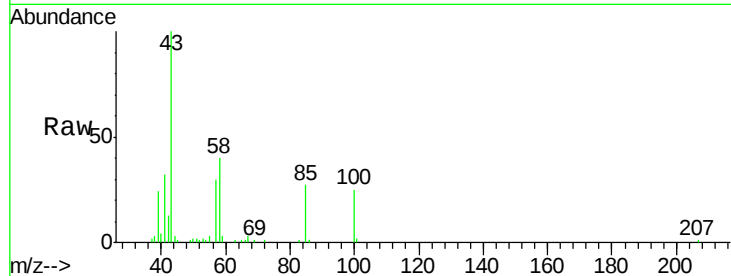
#51
4-Methyl-2-Pentanone
Concen: 101.952 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	60587
Ion Ratio	100	Lower	Upper
58	39.4	31.5	47.3

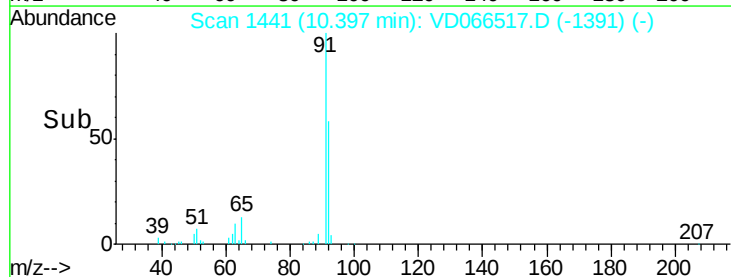
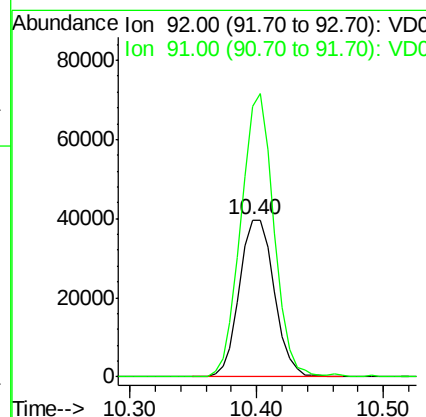
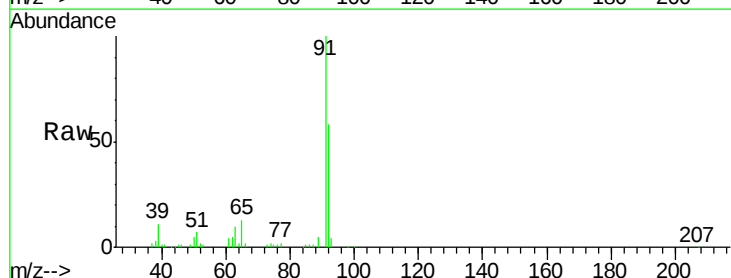
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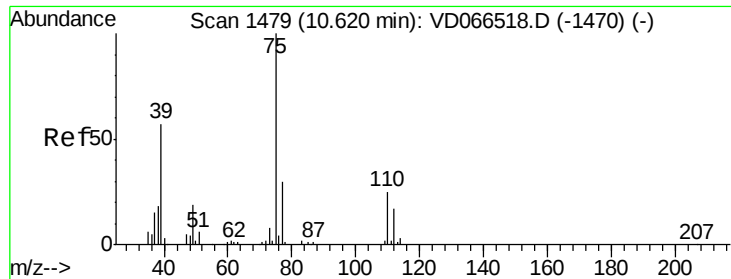
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#52
Toluene
Concen: 20.160 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion	92	Resp	76026
Ion Ratio	100	Lower	Upper
91	168.9	135.0	202.4





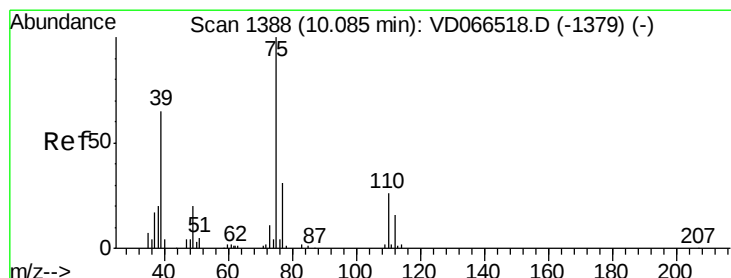
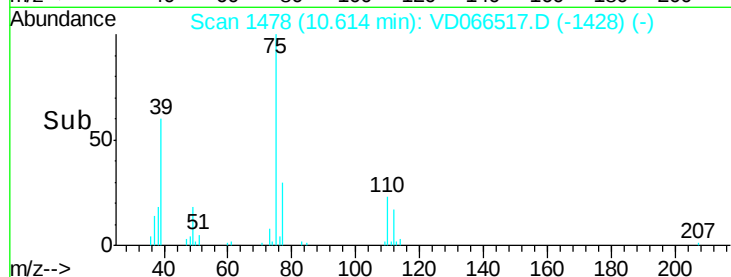
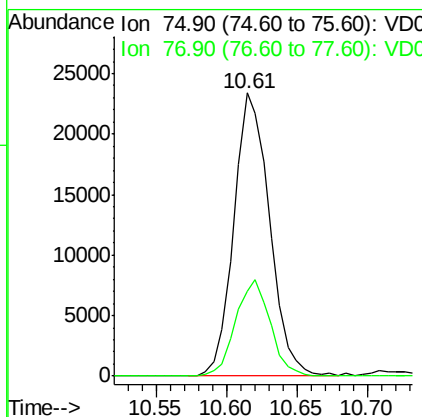
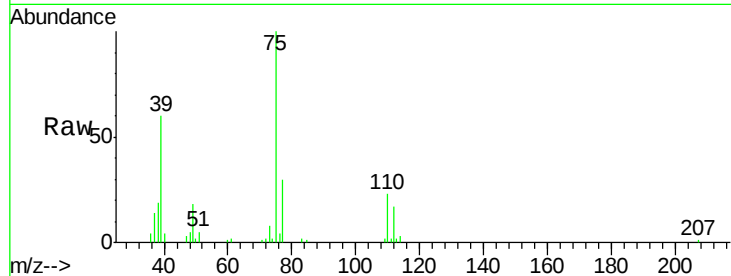
#53
 t-1,3-Dichloropropene
 Concen: 19.780 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 41365
 Ion Ratio Lower Upper
 75 100
 77 30.0 23.7 35.5

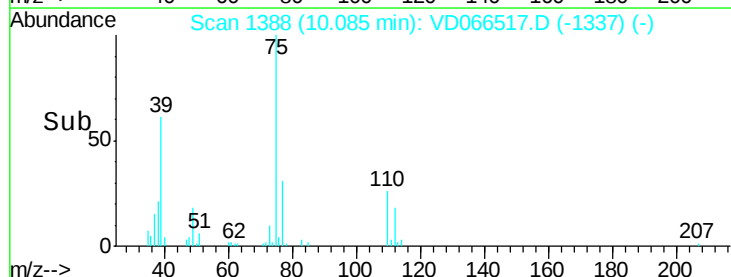
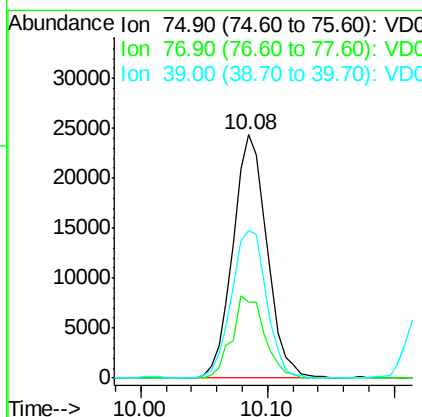
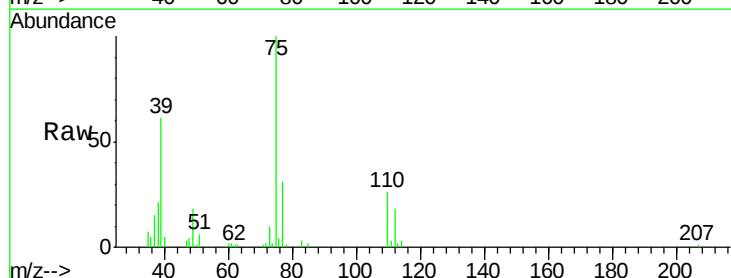
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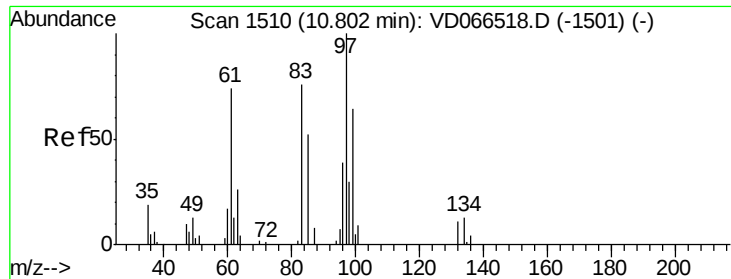
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#54
 cis-1,3-Dichloropropene
 Concen: 20.599 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Tgt Ion: 75 Resp: 45383
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.5 36.7
 39 60.8 52.4 78.6





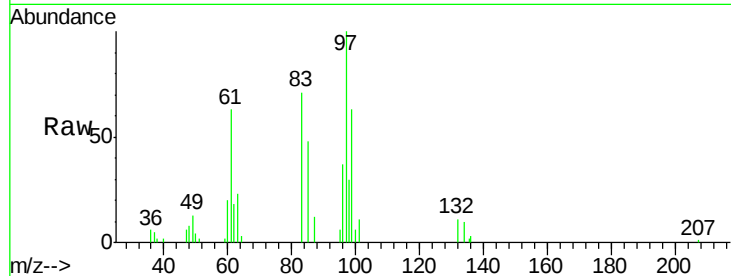
#55
 1,1,2-Trichloroethane
 Concen: 20.582 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

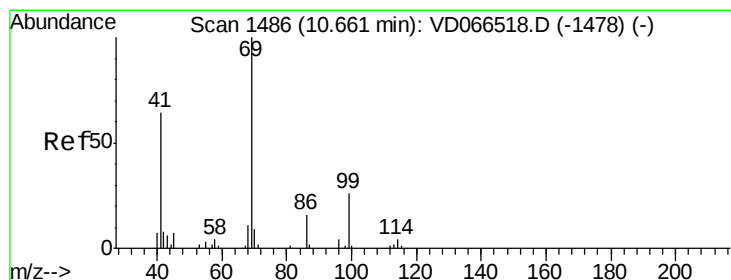
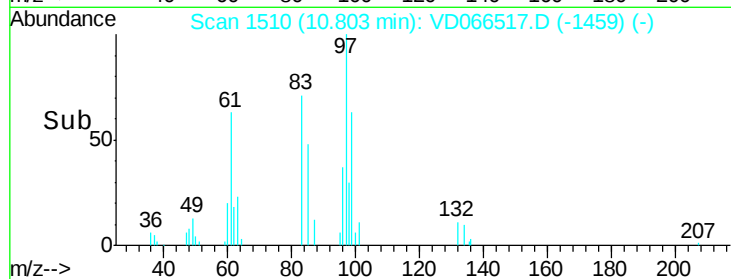
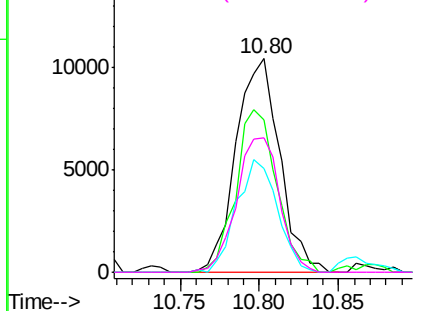
Tot Ion:	97	Resp:	20030
Ion	Ratio	Lower	Upper
97	100		
83	71.2	61.2	91.8
85	48.5	42.0	63.0
99	62.7	51.2	76.8

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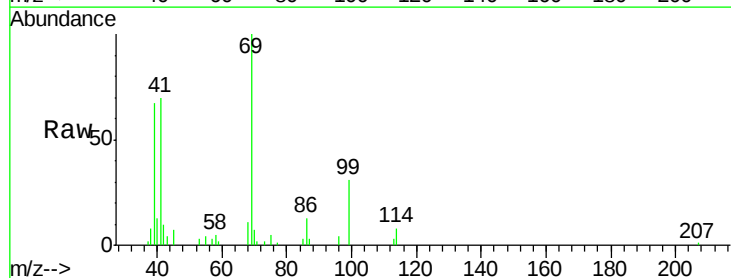


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

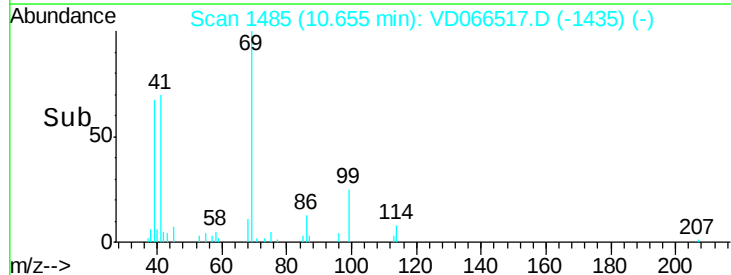
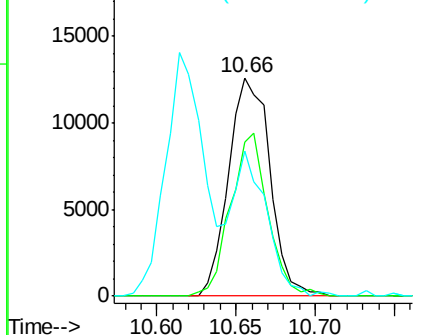


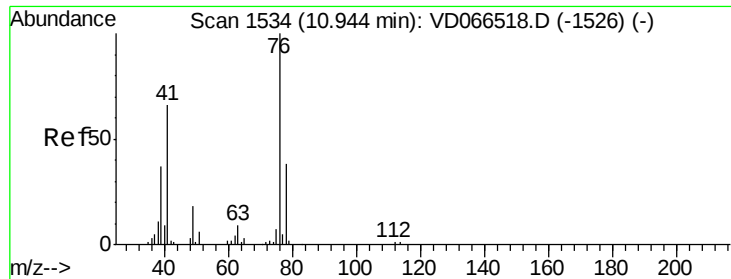
#56
 Ethyl methacrylate
 Concen: 19.929 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Tgt Ion:	69	Resp:	22824
Ion	Ratio	Lower	Upper
69	100		
41	67.5	52.5	78.7
39	57.6	42.1	63.1



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





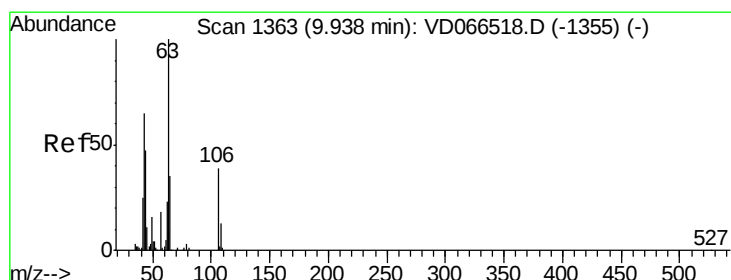
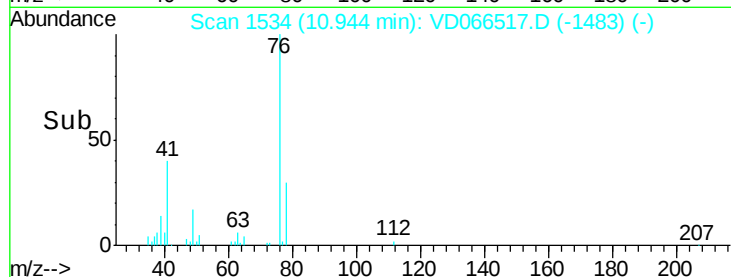
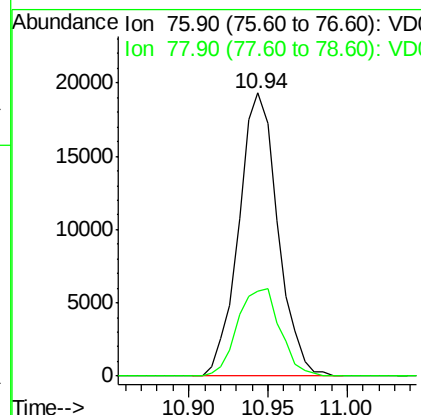
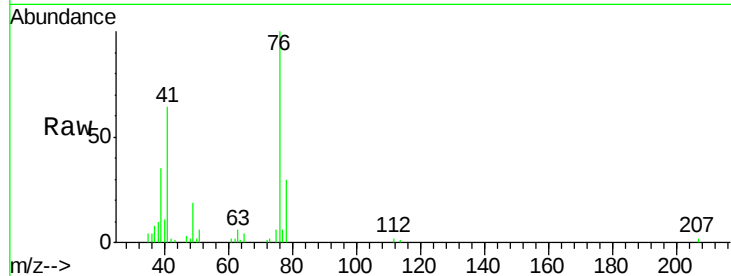
#57
 1,3-Dichloropropane
 Concen: 20.567 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 33053
 Ion Ratio Lower Upper
 76 100
 78 33.6 28.2 42.2

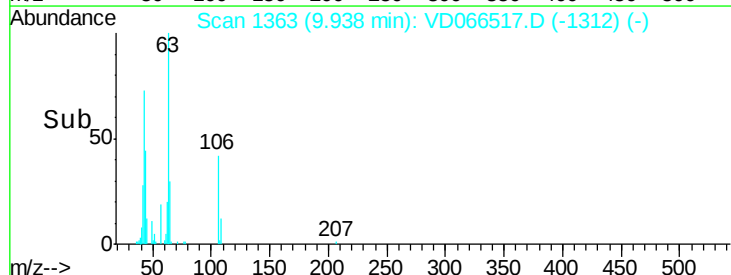
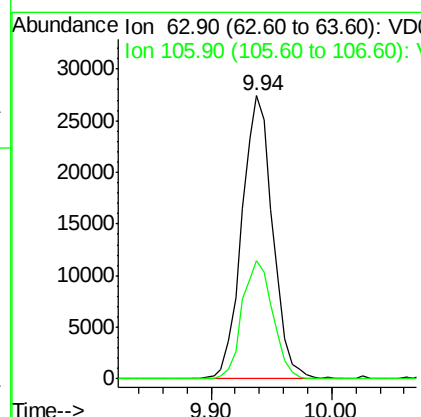
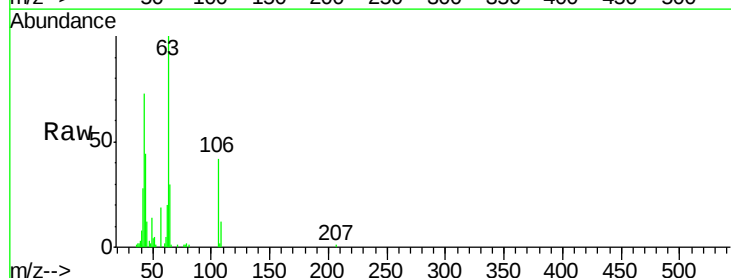
Manual Integrations
 APPROVED

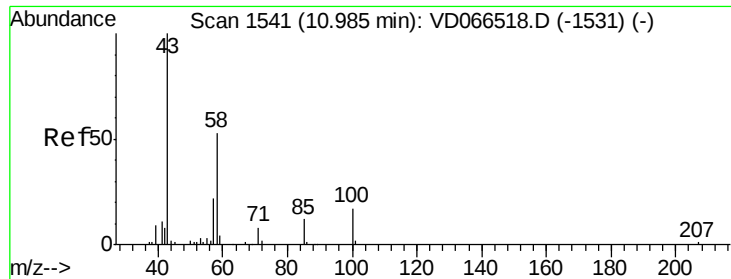
MMDadoda
 9/3/2020 4:57:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.072 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Tgt Ion: 63 Resp: 48763
 Ion Ratio Lower Upper
 63 100
 106 41.3 32.1 48.1





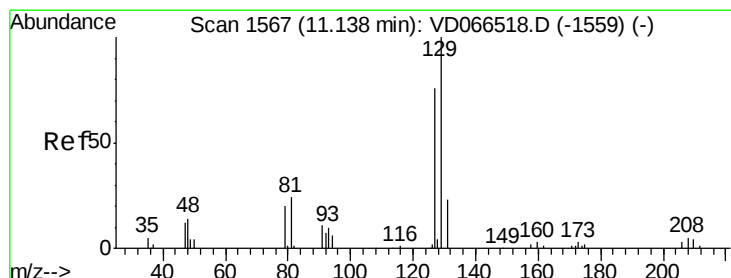
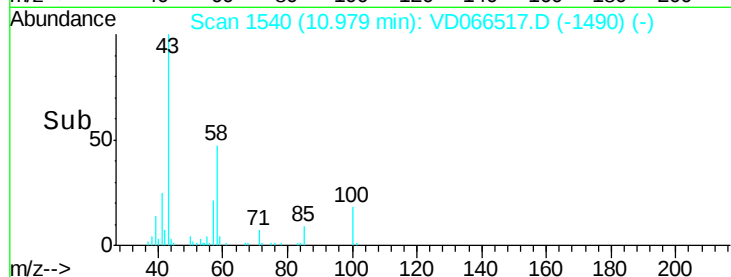
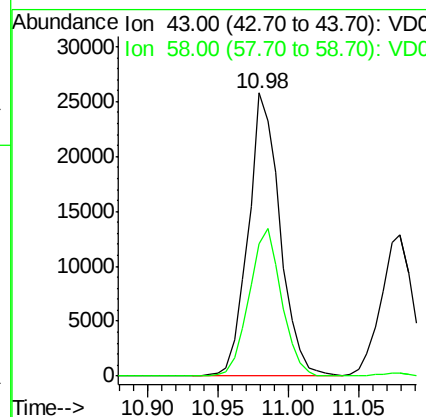
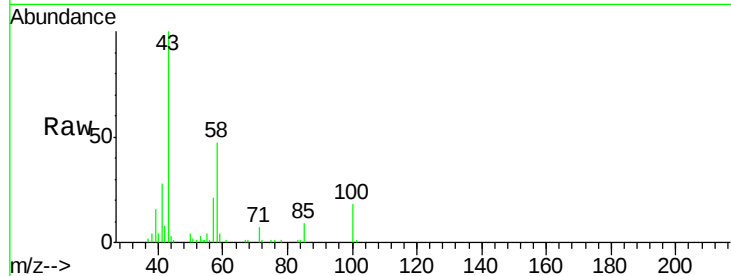
#59
2-Hexanone
Concen: 94.819 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	40696
Ion Ratio	100	Lower	Upper
43	100		
58	53.1	25.7	77.0

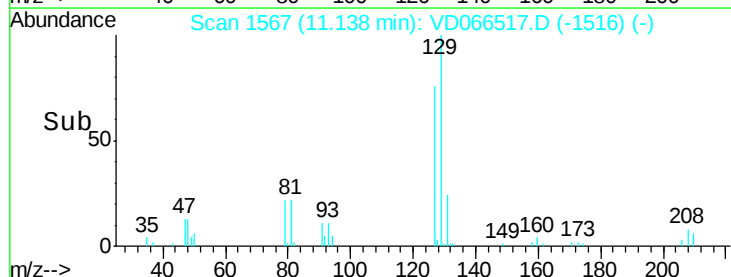
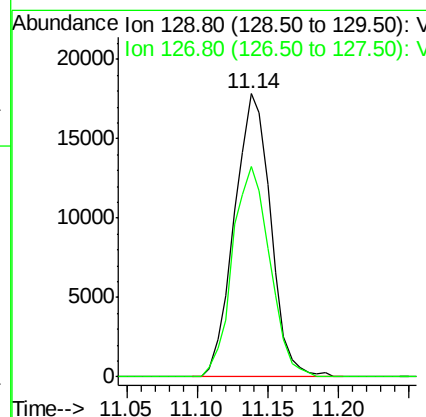
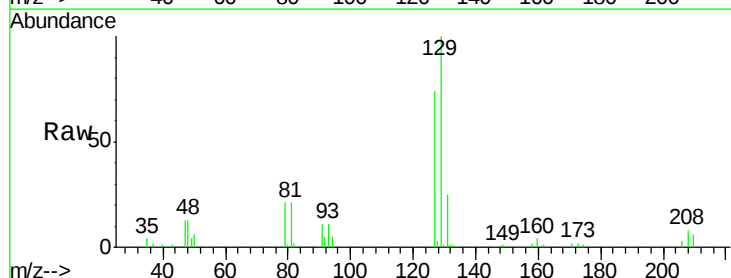
Manual Integrations
APPROVED

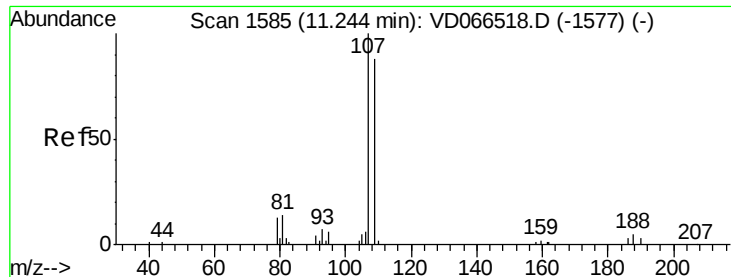
MMDadoda
9/3/2020 4:57:13 PM



#60
Dibromochloromethane
Concen: 19.924 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion	129	Resp	32063	
Ion Ratio	129	100	Lower	Upper
129	100			
127	76.4	38.2	114.6	





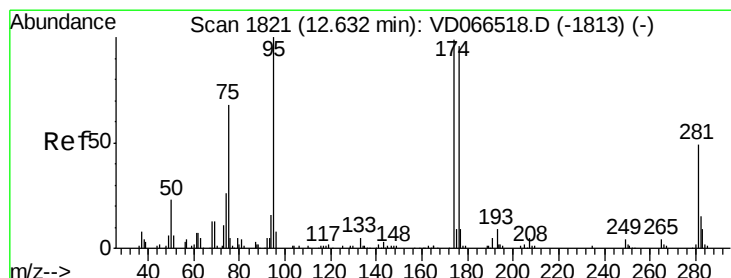
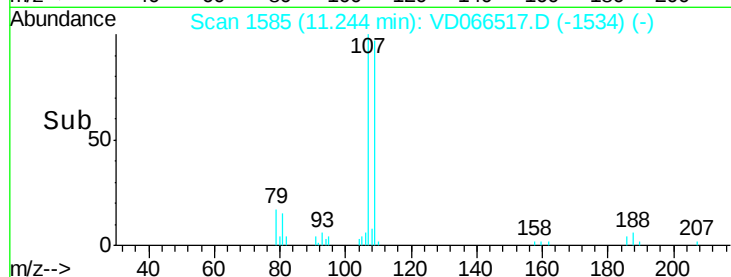
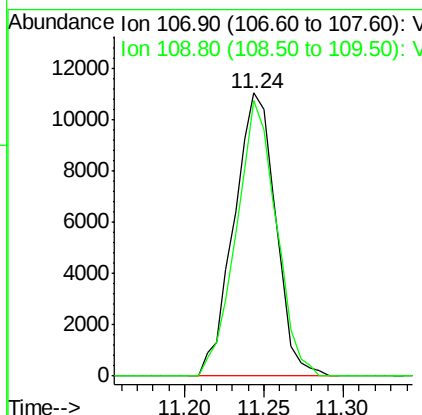
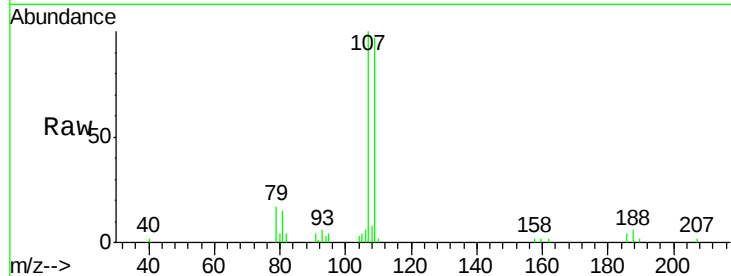
#61
1,2-Dibromoethane
Concen: 20.281 ug/l
RT: 11.24 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.8	113.8

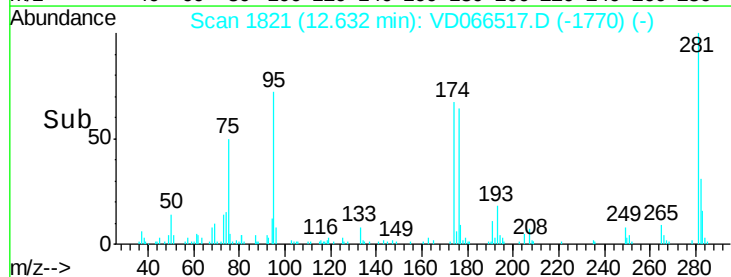
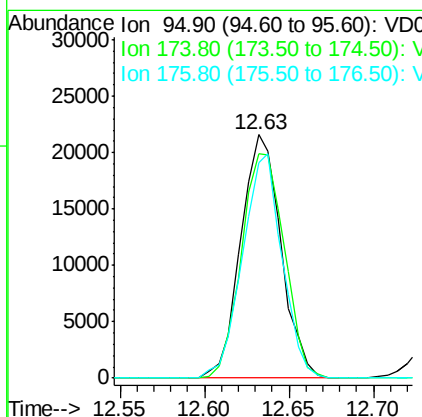
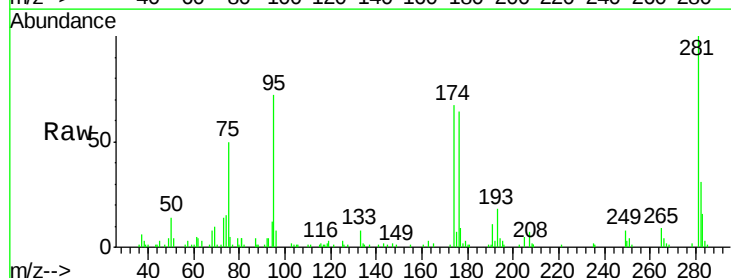
Manual Integrations
APPROVED

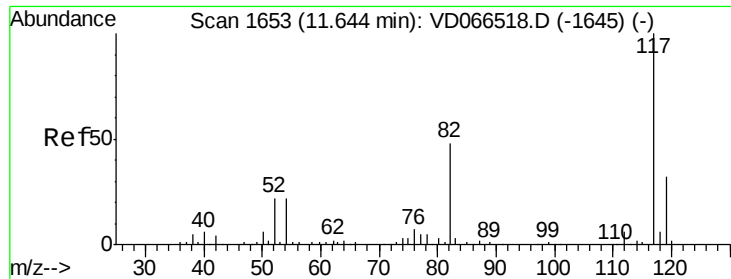
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 18.970 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.2	0.0	203.2
176	90.5	0.0	198.6





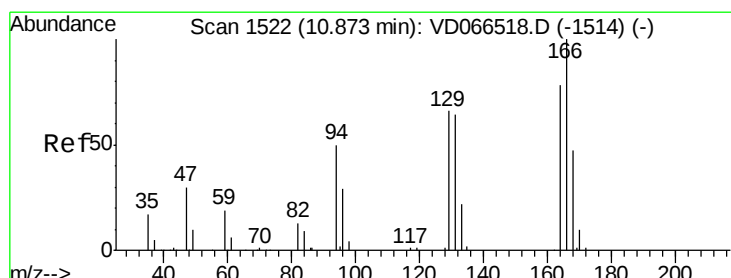
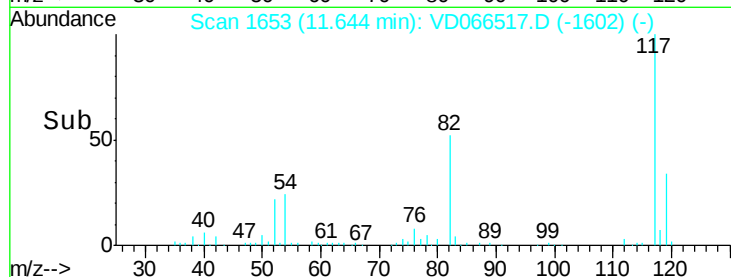
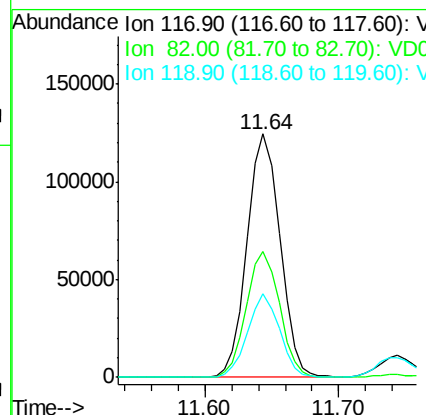
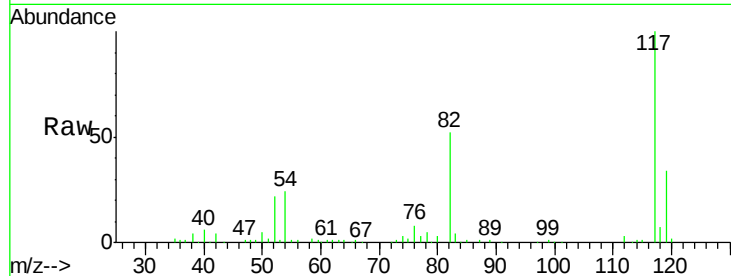
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	38.5	57.7
119	34.4	25.9	38.9

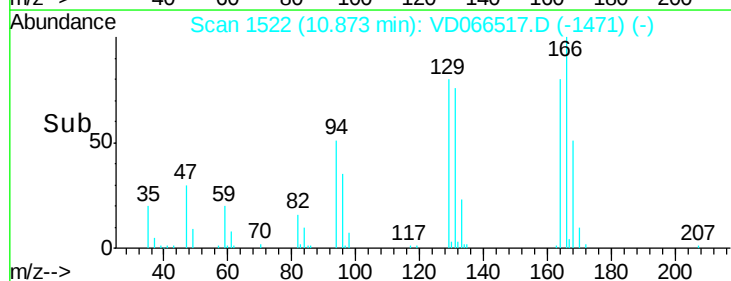
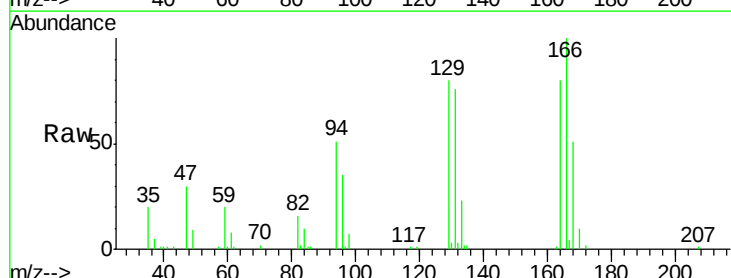
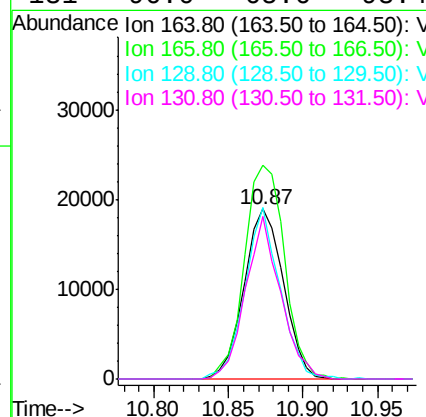
Manual Integrations
APPROVED

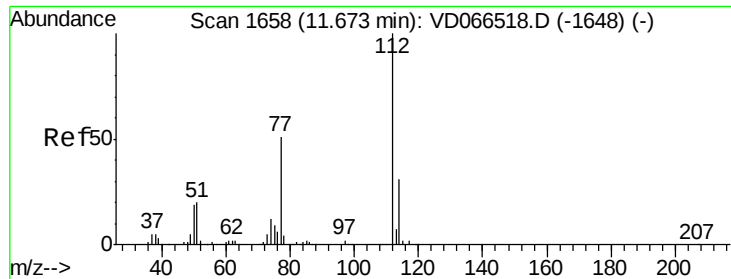
MMDadoda
9/3/2020 4:57:13 PM



#64
Tetrachloroethene
Concen: 20.864 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	103.0	154.6
129	100.8	68.3	102.5
131	96.0	65.6	98.4





#65

Chlorobenzene

Concen: 20.597 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 86369

Ion Ratio Lower Upper

112 100

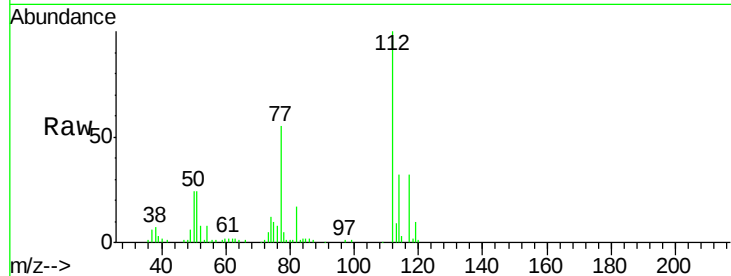
114 31.5 24.8 37.2

Manual Integrations

APPROVED

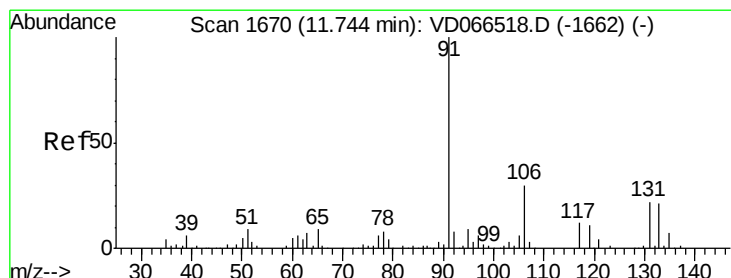
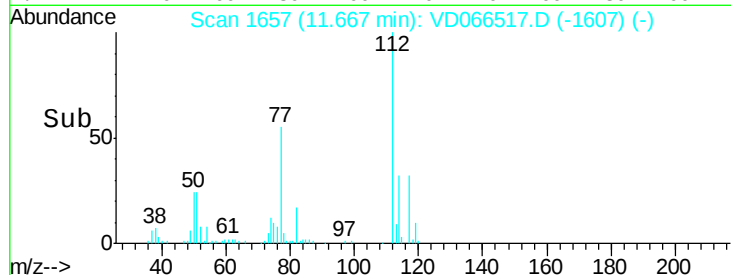
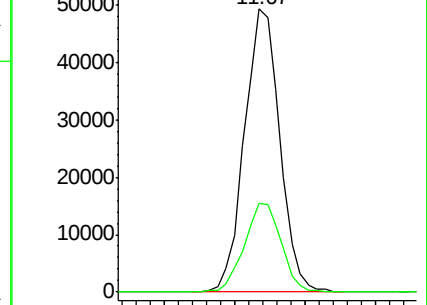
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.437 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

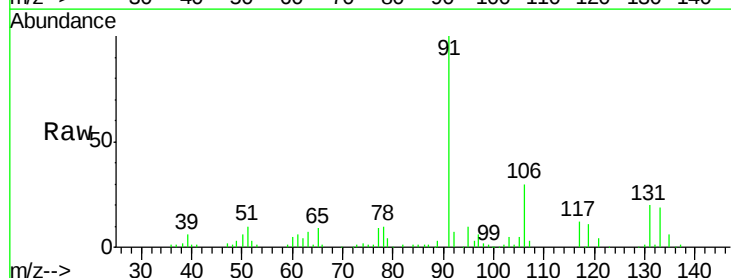
Tgt Ion:131 Resp: 36260

Ion Ratio Lower Upper

131 100

133 94.9 47.5 142.5

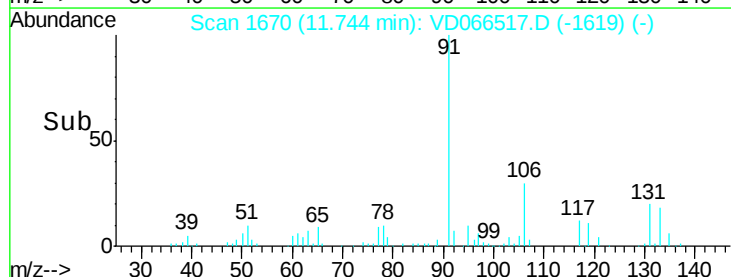
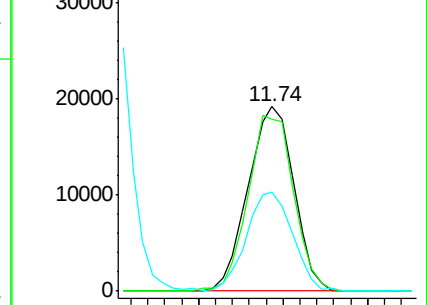
119 53.9 27.2 81.6

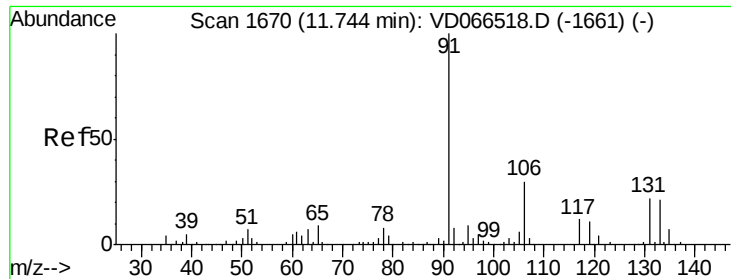


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





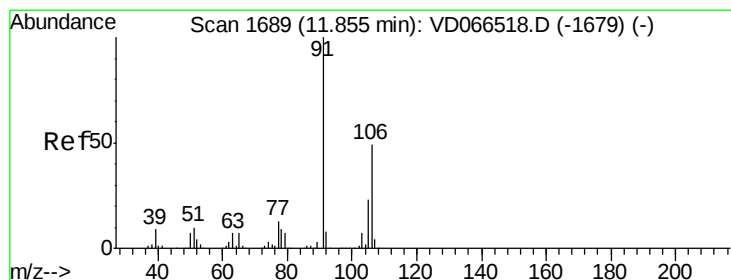
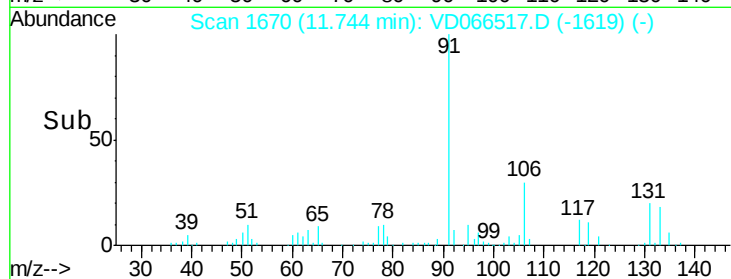
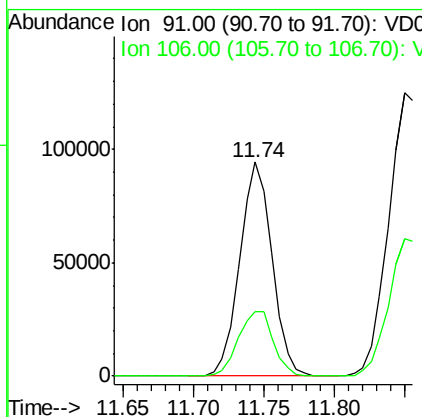
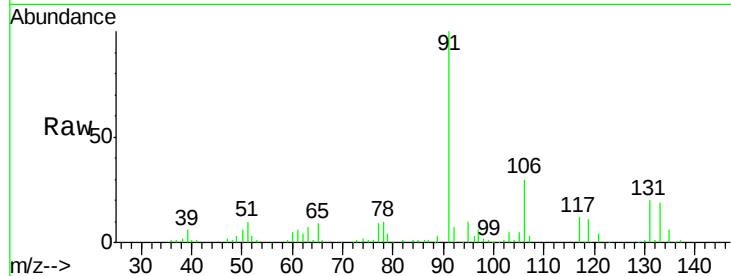
#67
Ethyl Benzene
Concen: 20.458 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.0	36.0

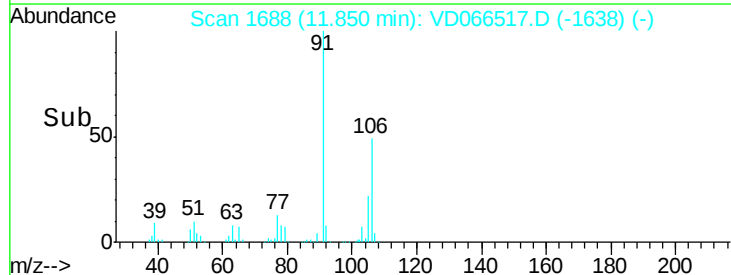
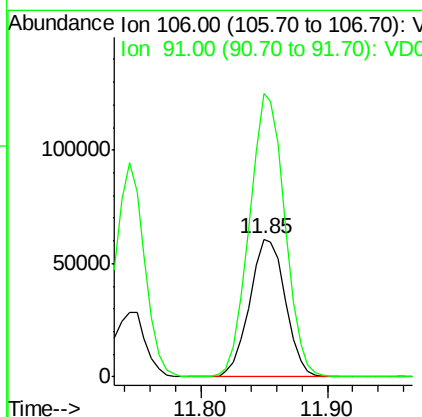
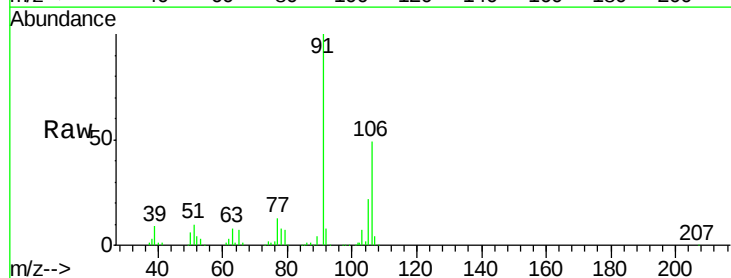
Manual Integrations
APPROVED

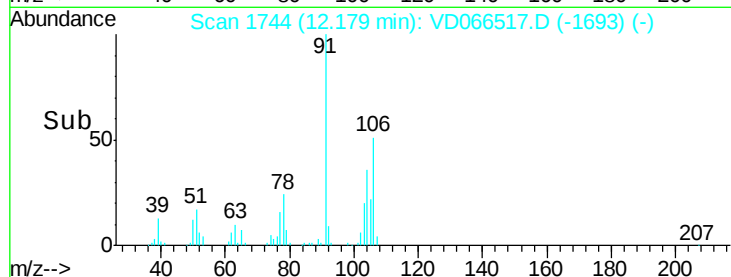
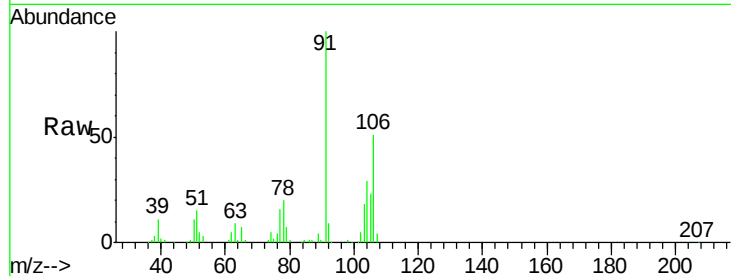
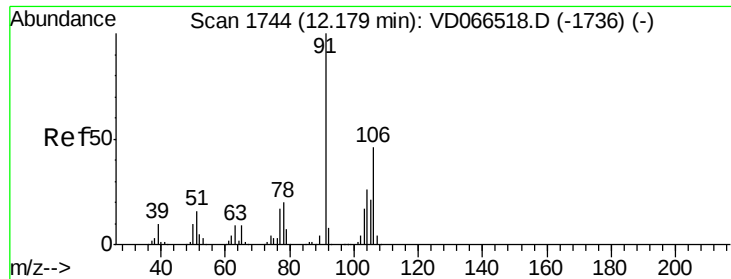
MMDadoda
9/3/2020 4:57:13 PM



#68
m/p-Xylenes
Concen: 41.771 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.6	163.3	244.9





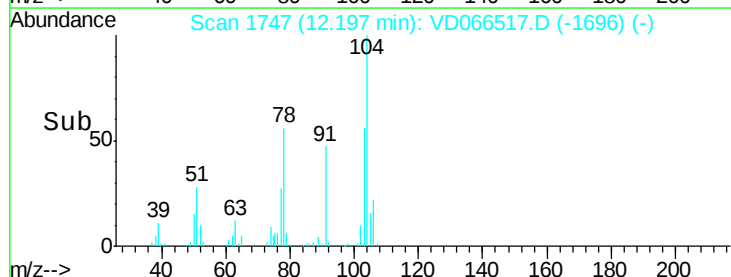
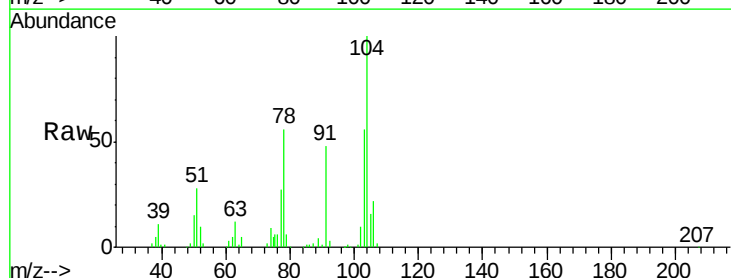
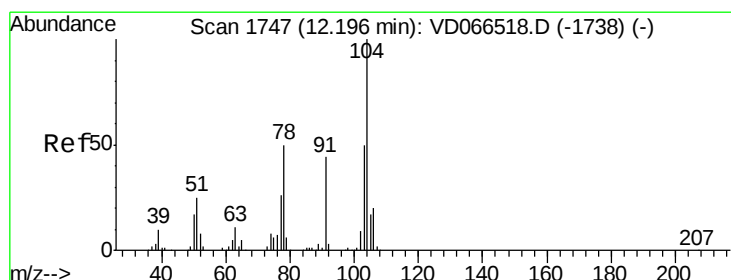
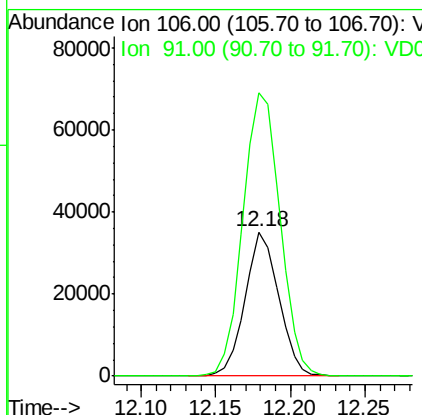
#69
o-Xylene
Concen: 20.304 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tot Ion:106 Resp: 54967
Ion Ratio Lower Upper
106 100
91 216.3 108.7 326.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

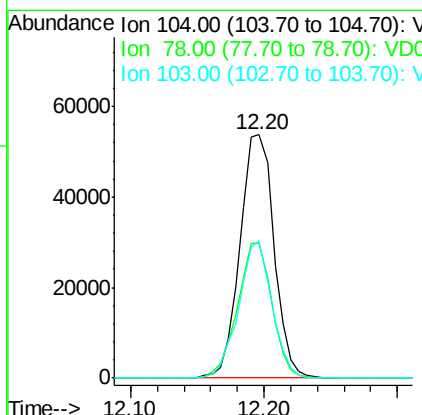
Manual Integrations
APPROVED

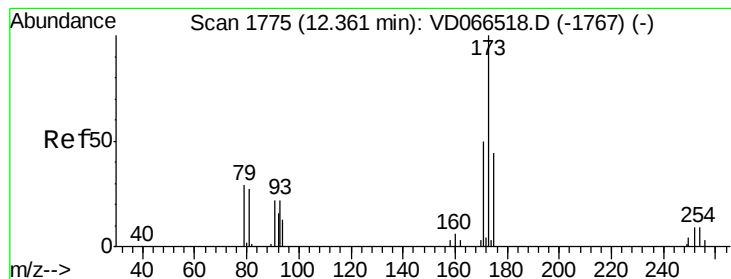
MMDadoda
9/3/2020 4:57:13 PM



#70
Styrene
Concen: 20.426 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion:104 Resp: 94672
Ion Ratio Lower Upper
104 100
78 56.6 44.3 66.5
103 55.0 44.1 66.1





#71

Bromoform

Concen: 20.519 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 19968

Ion Ratio Lower Upper

173 100

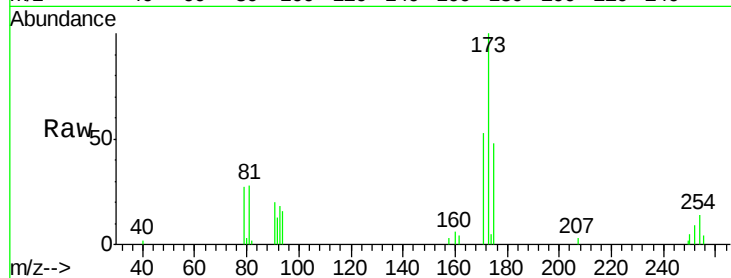
175 50.1 22.3 66.8

254 0.0 0.0 0.0

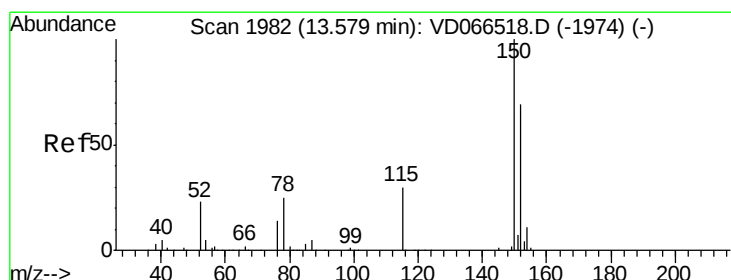
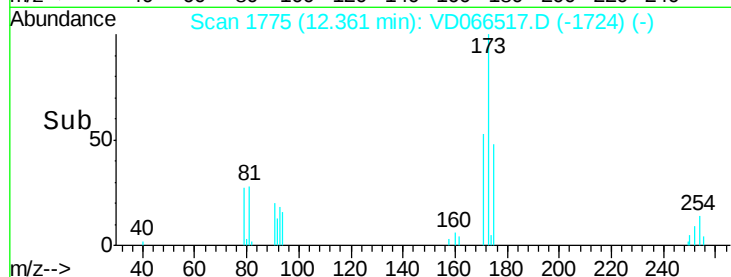
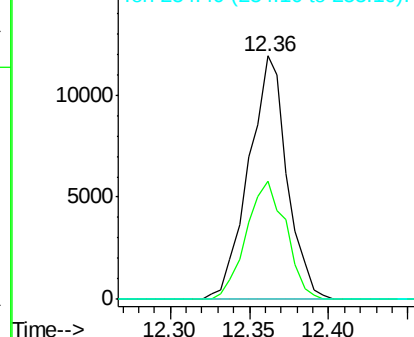
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

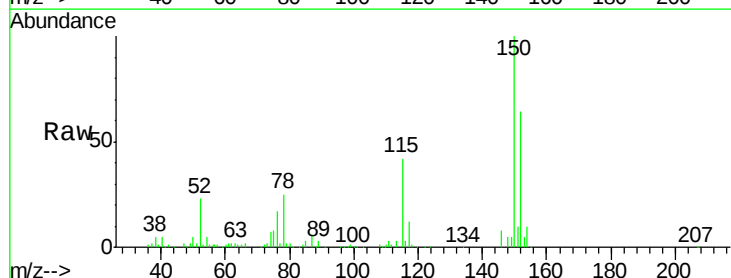
Tgt Ion:152 Resp: 114027

Ion Ratio Lower Upper

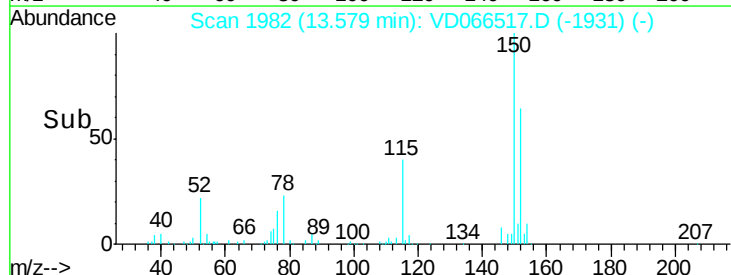
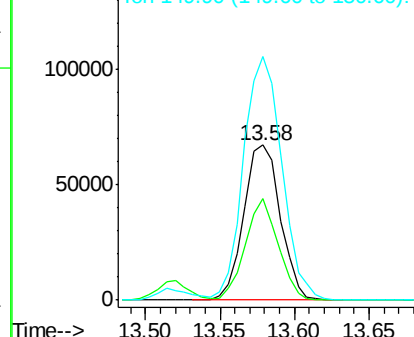
152 100

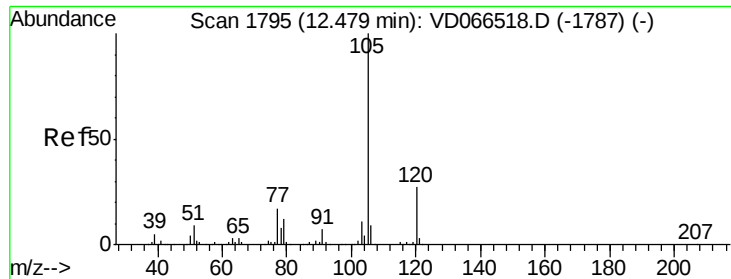
115 58.8 28.9 86.8

150 163.9 0.0 339.6



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





#73

Isopropylbenzene

Concen: 20.428 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 155650

Ion Ratio Lower Upper

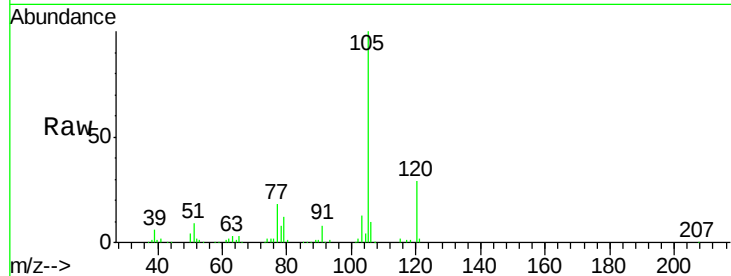
105 100

120 27.2 13.5 40.5

Manual Integrations
APPROVED

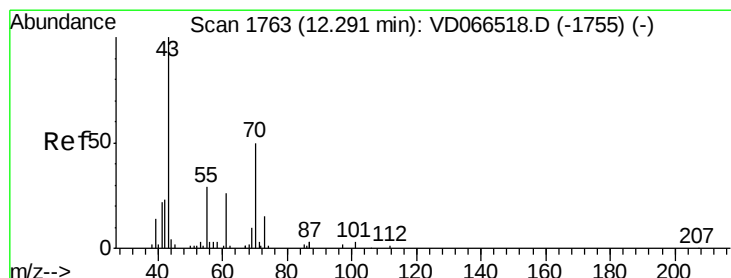
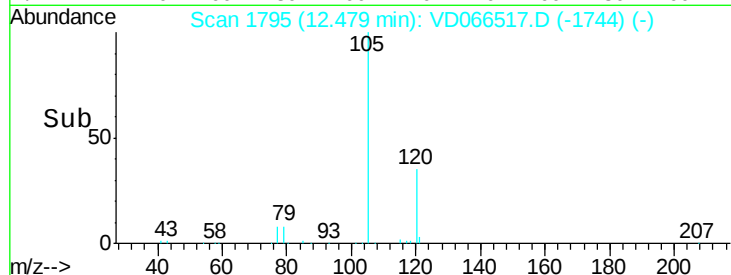
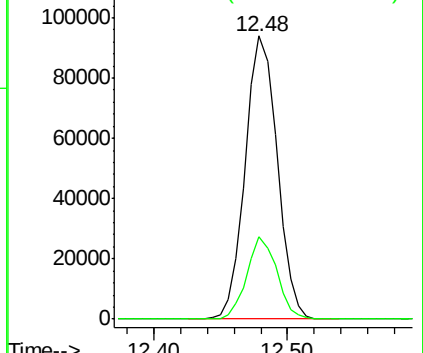
MMDadoda

9/3/2020 4:57:13 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.265 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Tgt Ion: 43 Resp: 23282

Ion Ratio Lower Upper

43 100

70 44.9 36.2 54.2

55 24.0 20.6 30.8

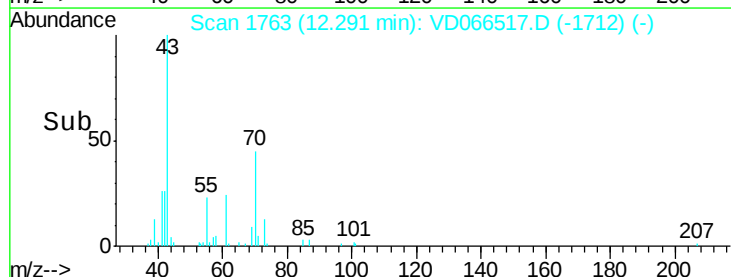
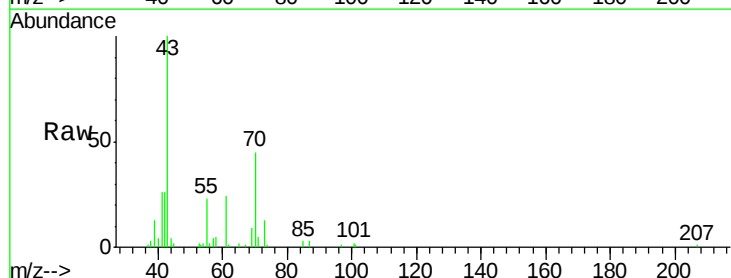
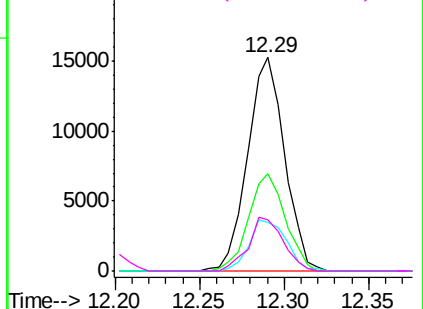
61 23.8 19.5 29.3

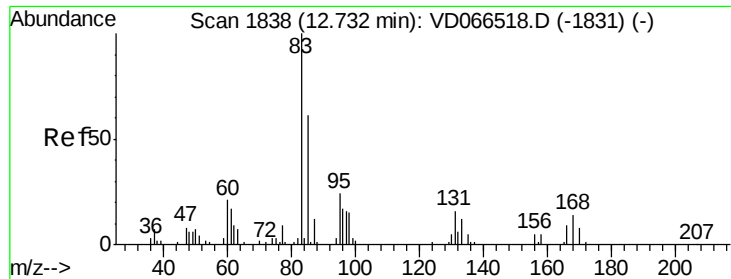
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 20.054 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

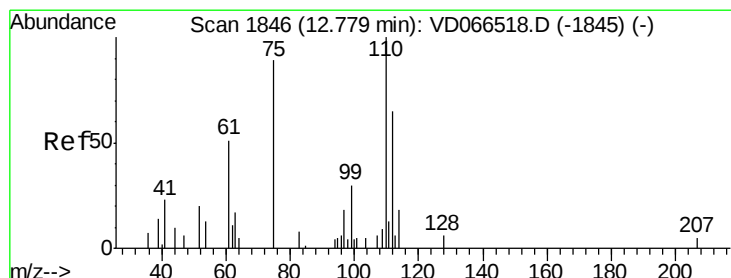
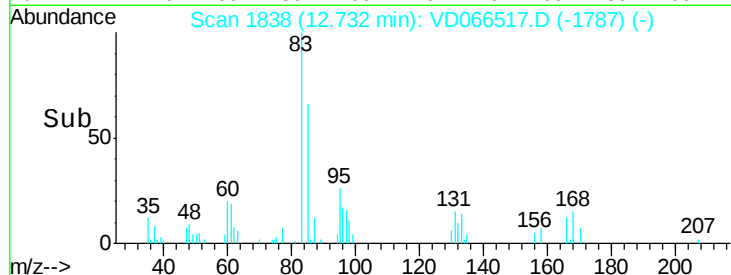
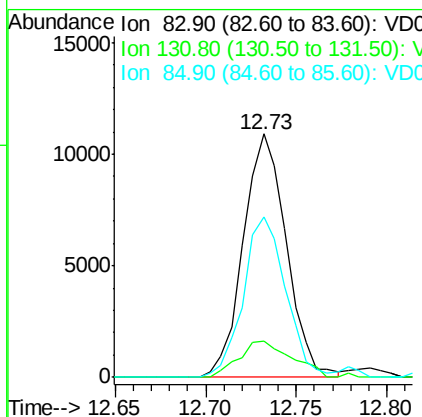
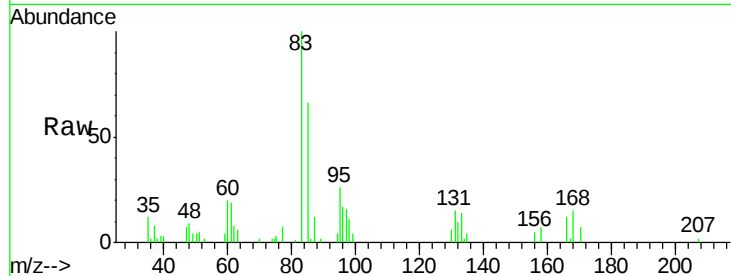
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	18056
Ion Ratio	Lower	Upper	
83	100		
131	18.2	8.3	24.9
85	64.7	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.734 ug/l m

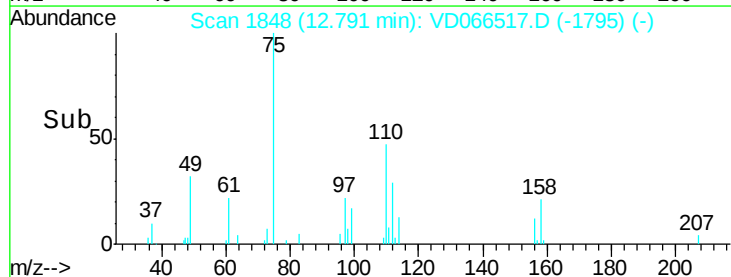
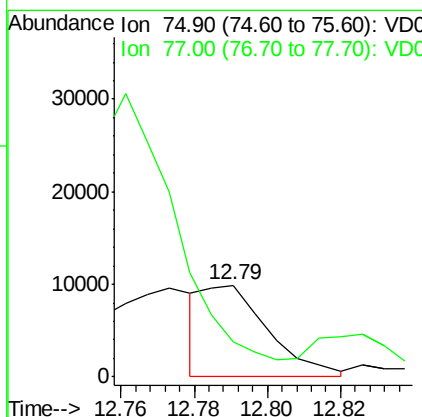
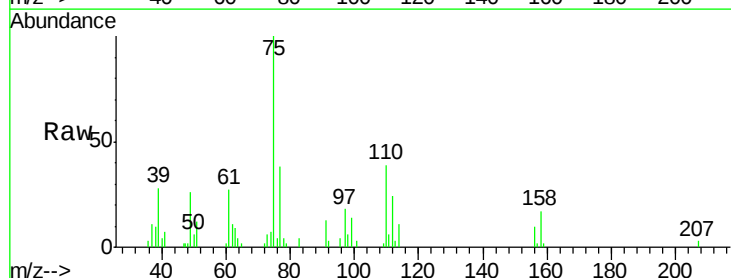
RT: 12.79 min Scan# 1848

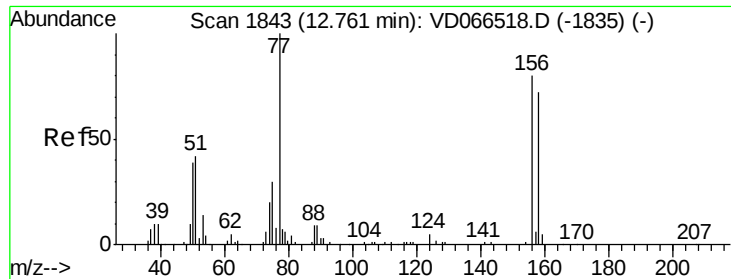
Delta R.T. 0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Tgt Ion:	75	Resp:	12052
Ion Ratio	Lower	Upper	
75	100		
77	0.0	196.9	590.7#





#77

Bromobenzene

Concen: 20.348 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

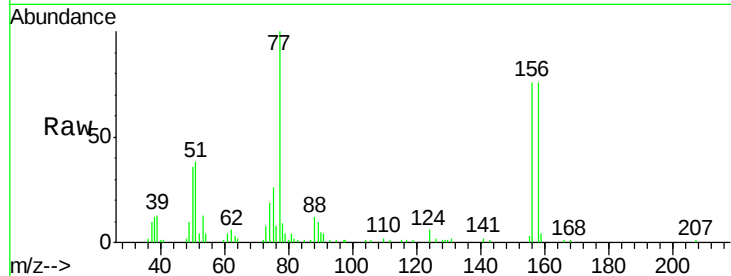
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	39344
Ion	Ratio	Lower	Upper
156	100		
77	142.0	71.0	213.2
158	101.2	49.5	148.7

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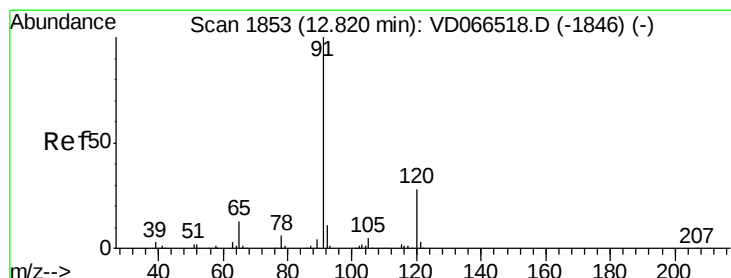
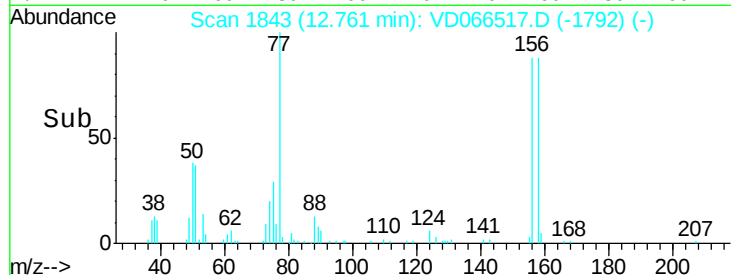
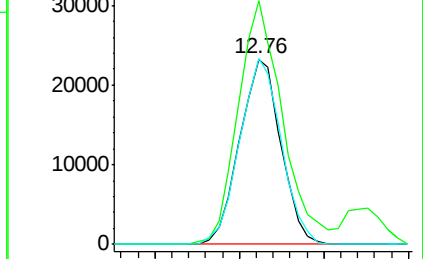
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.878 ug/l

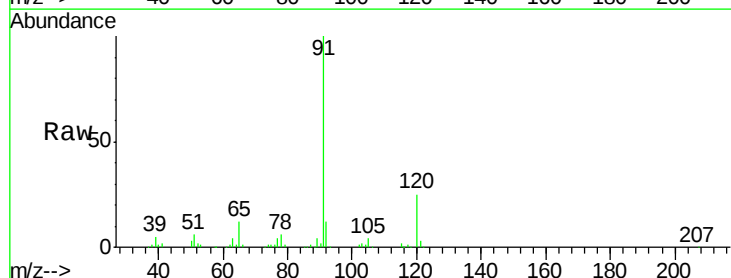
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066517.D

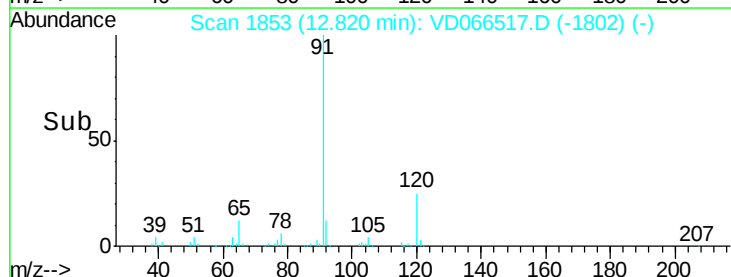
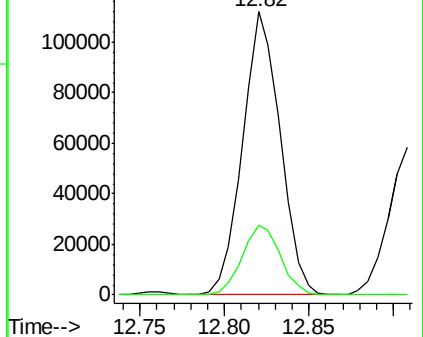
Acq: 02 Sep 2020 12:16

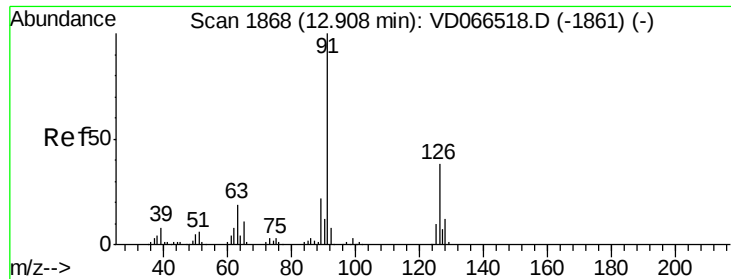
Tgt Ion:	91	Resp:	173346
Ion	Ratio	Lower	Upper
91	100		
120	24.9	13.0	39.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.272 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 97386

Ion Ratio Lower Upper

91 100

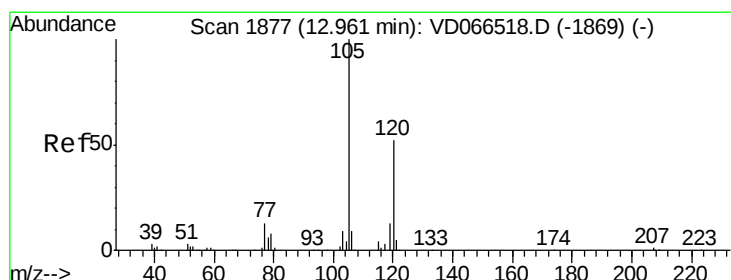
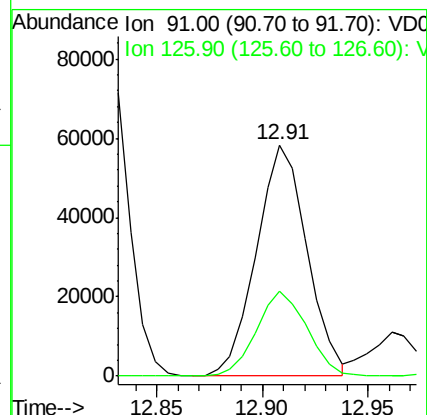
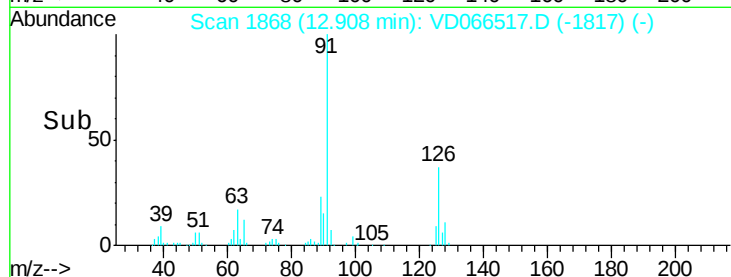
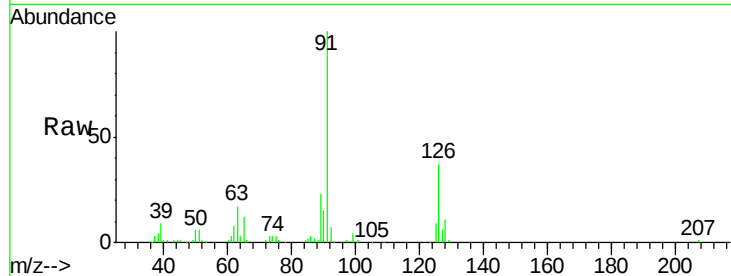
126 36.3 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.787 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066517.D

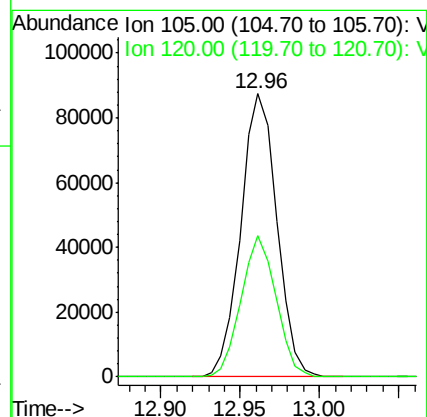
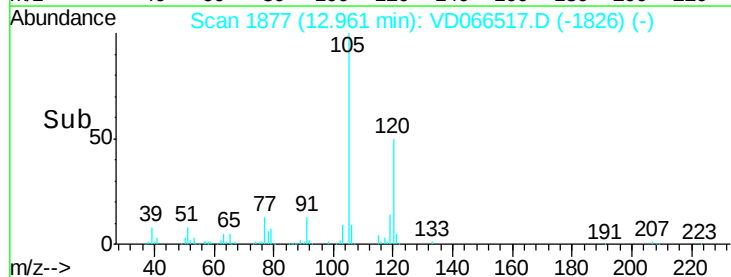
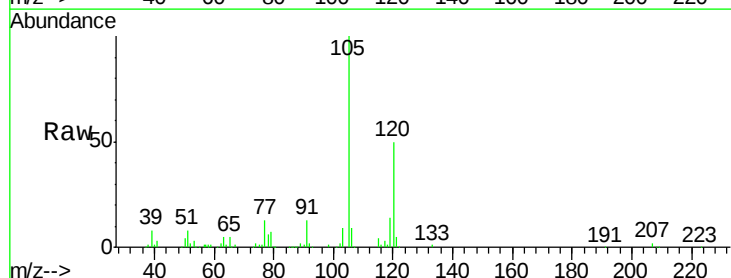
Acq: 02 Sep 2020 12:16

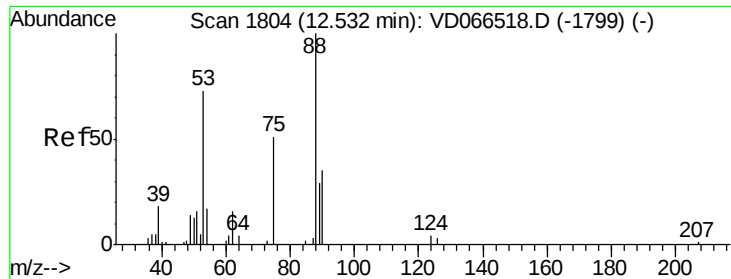
Tgt Ion: 105 Resp: 137699

Ion Ratio Lower Upper

105 100

120 48.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.791 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Instrument :

MSVOA_D

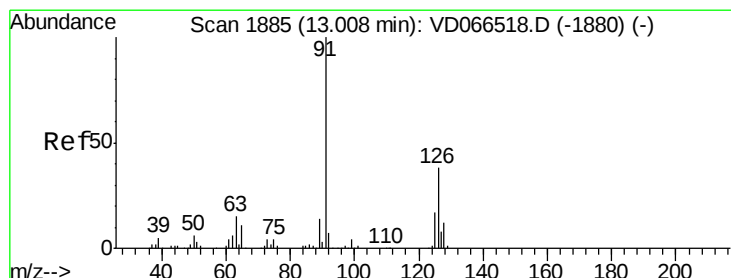
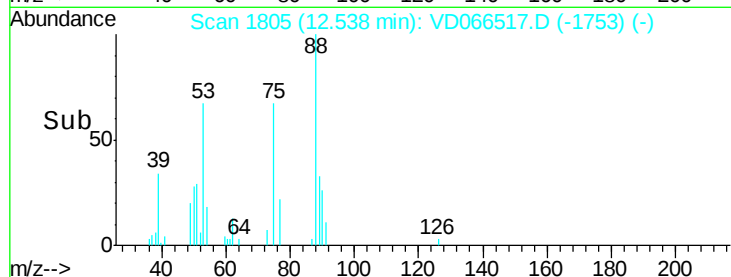
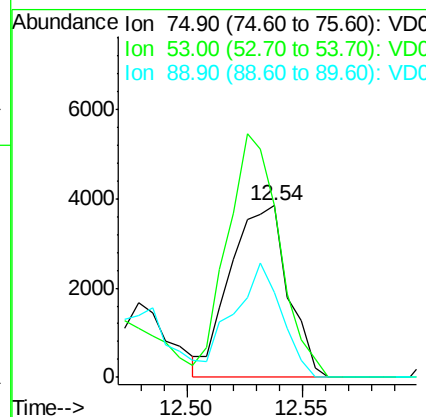
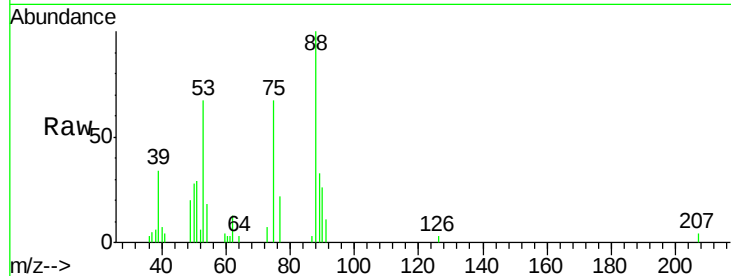
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	6697
Ion	Ratio	Lower	Upper
75	100		
53	128.1	101.8	152.8
89	54.7	46.0	69.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.034 ug/l

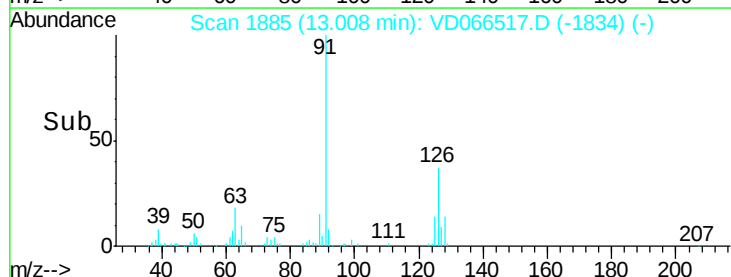
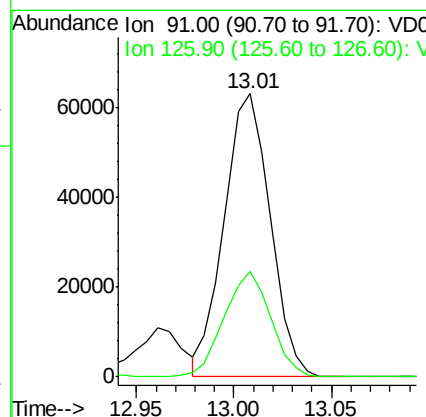
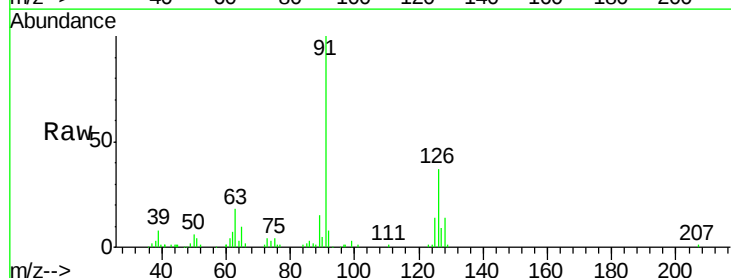
RT: 13.01 min Scan# 1885

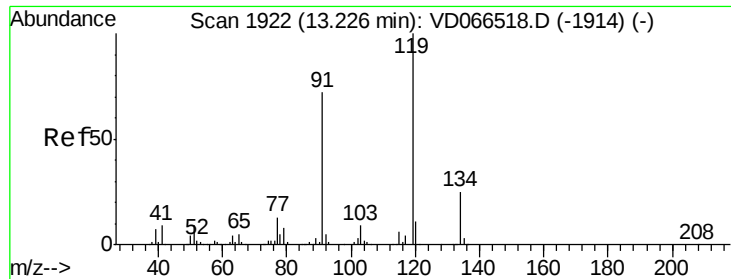
Delta R.T. 0.00 min

Lab File: VD066517.D

Acq: 02 Sep 2020 12:16

Tgt Ion:	91	Resp:	103375
Ion	Ratio	Lower	Upper
91	100		
126	37.5	18.2	54.6





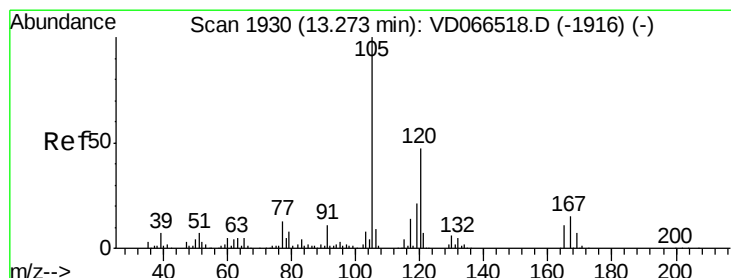
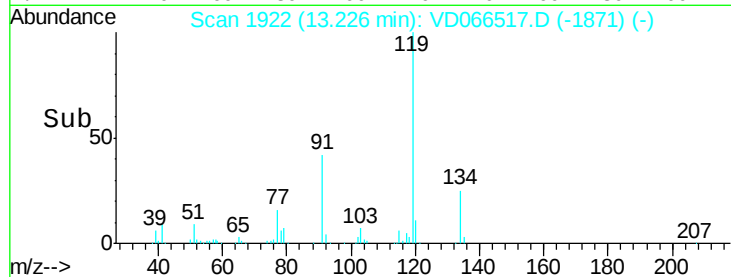
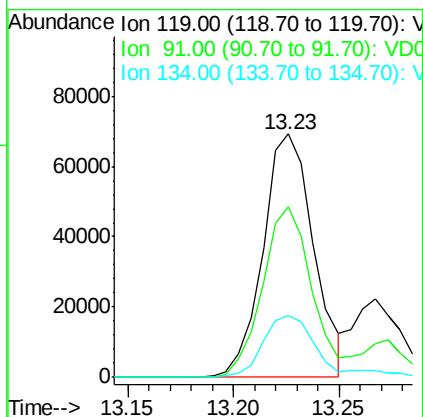
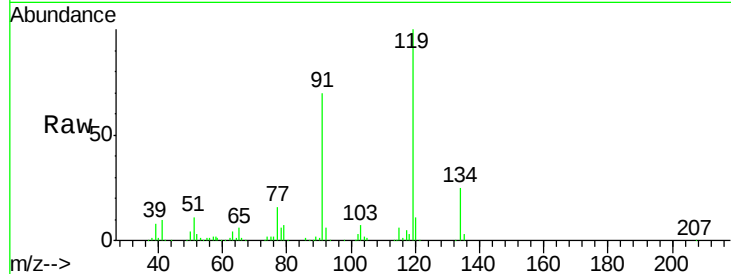
#83
tert-Butylbenzene
Concen: 19.894 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	115591		
91	69.4	34.4	103.2	
134	27.7	13.5	40.4	

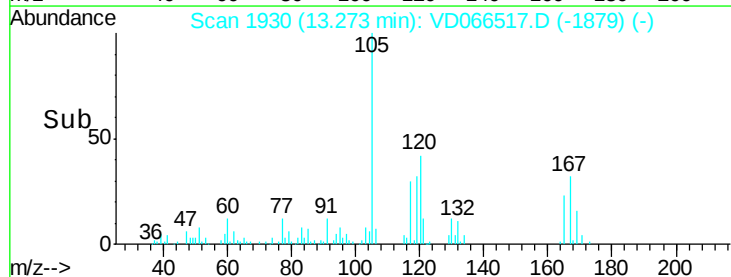
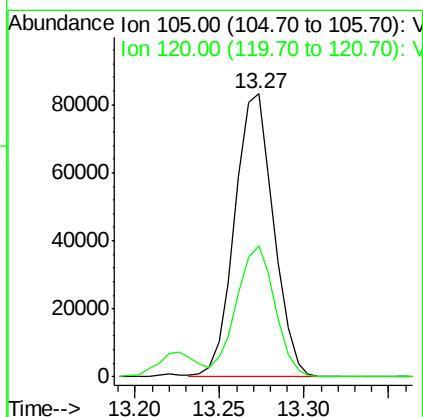
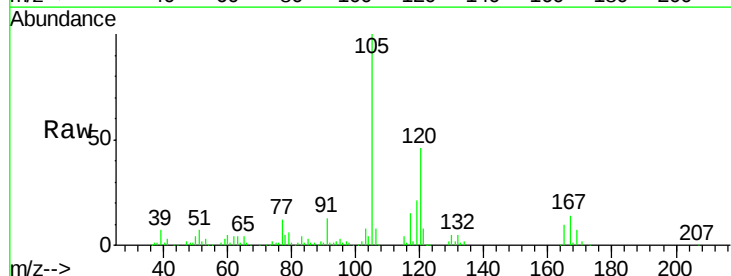
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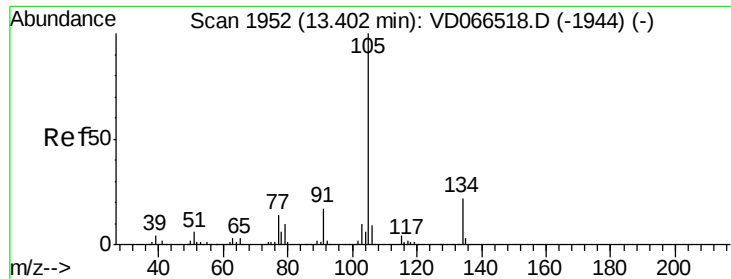
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#84
1,2,4-Trimethylbenzene
Concen: 20.103 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	133188		
120	45.8	21.7	65.1	





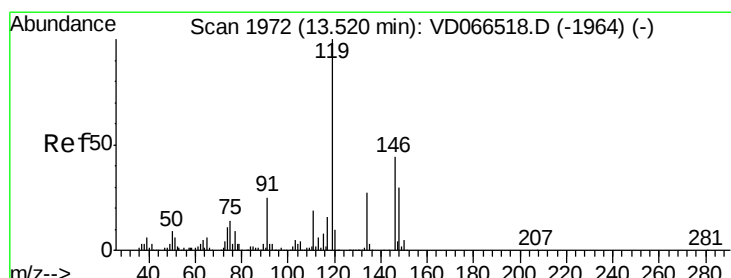
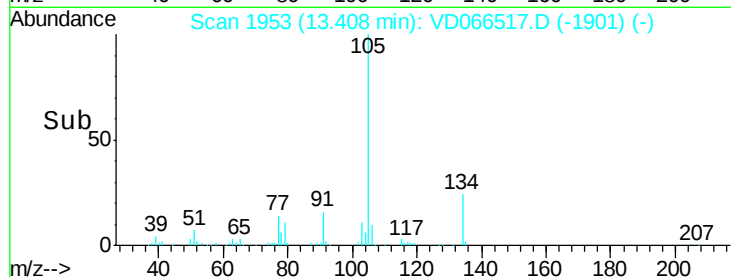
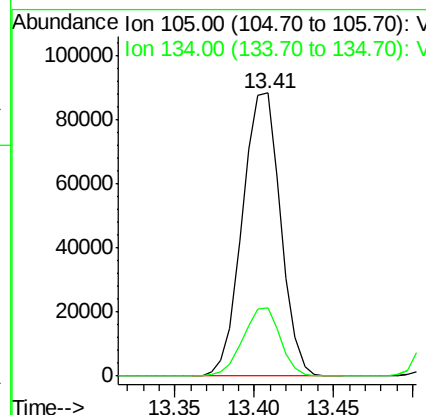
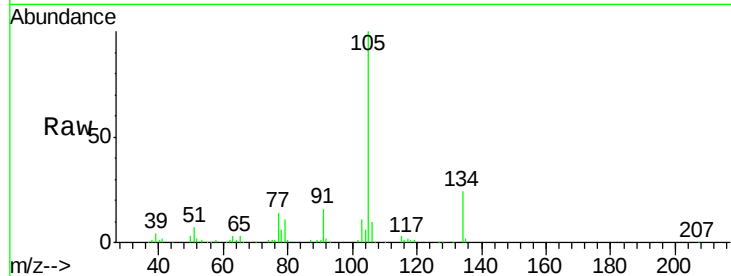
#85
 sec-Butylbenzene
 Concen: 20.121 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.01 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	148103		
134	23.4	11.5	34.4	

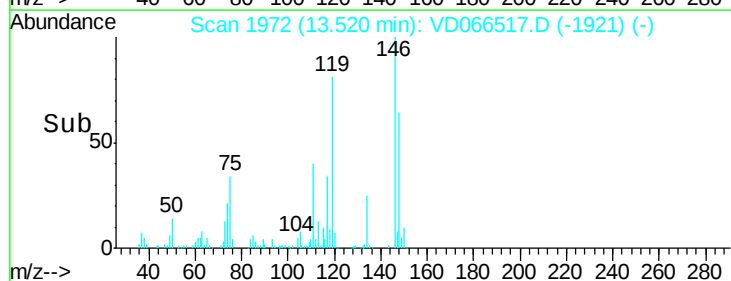
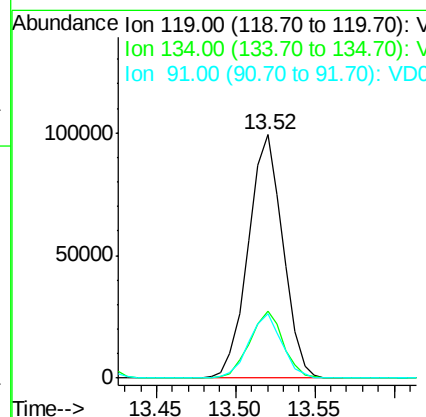
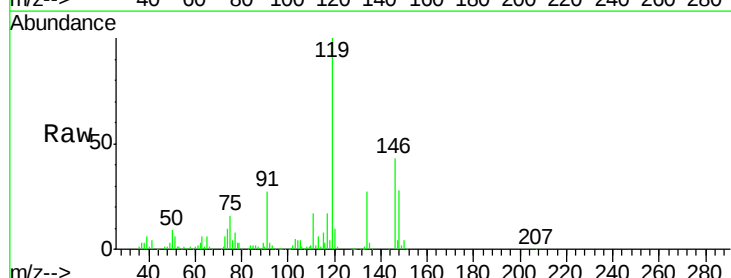
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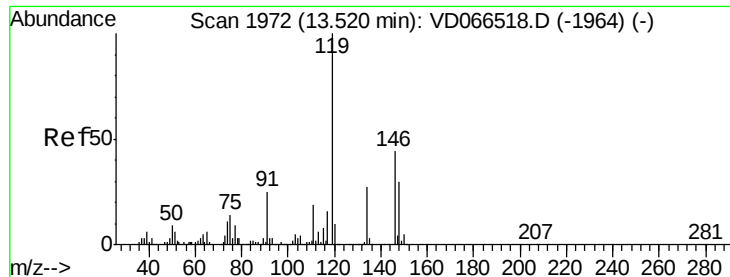
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#86
 p-Isopropyltoluene
 Concen: 20.473 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	150622		
134	26.4	13.5	40.4	
91	25.5	13.0	39.0	





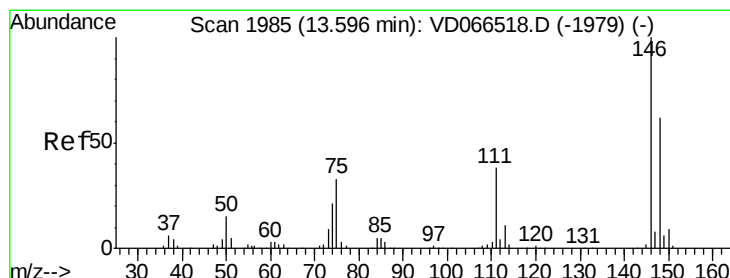
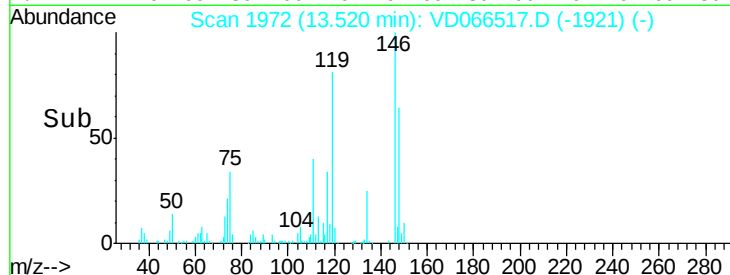
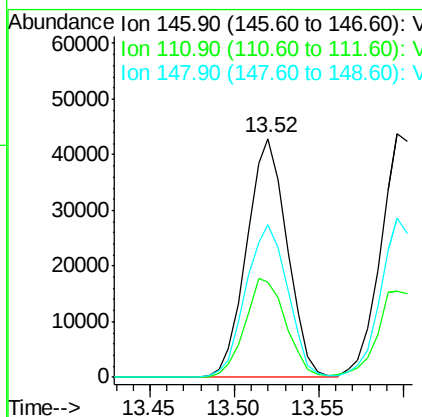
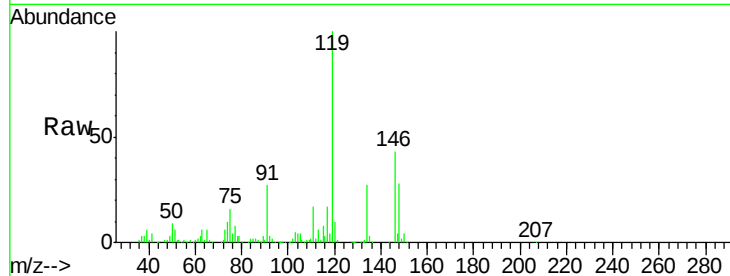
#87
 1,3-Dichlorobenzene
 Concen: 19.946 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	61.0
148	66.4	32.3	96.9

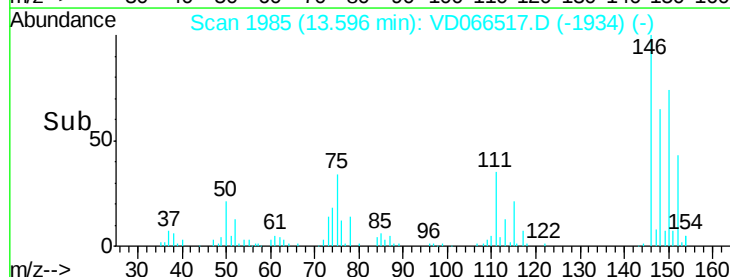
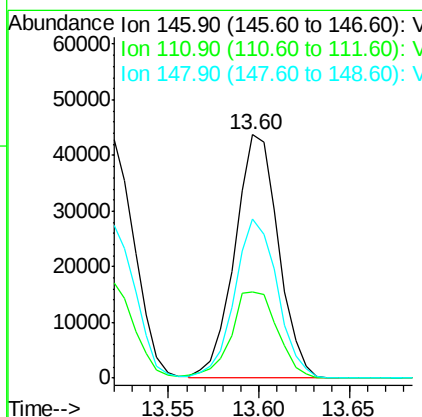
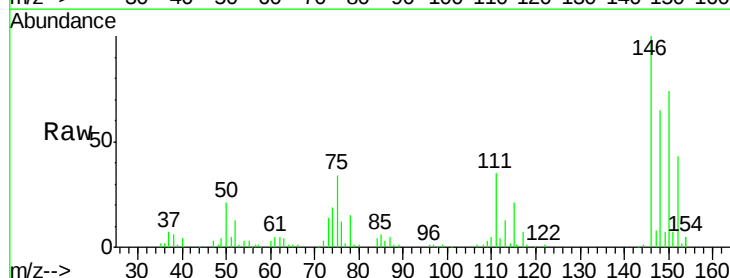
Manual Integrations
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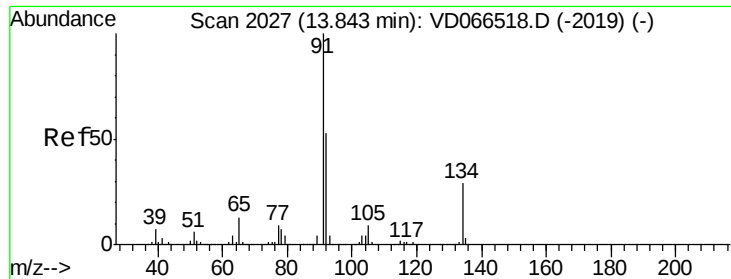
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#88
 1,4-Dichlorobenzene
 Concen: 20.169 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.4	55.4
148	64.1	31.5	94.5





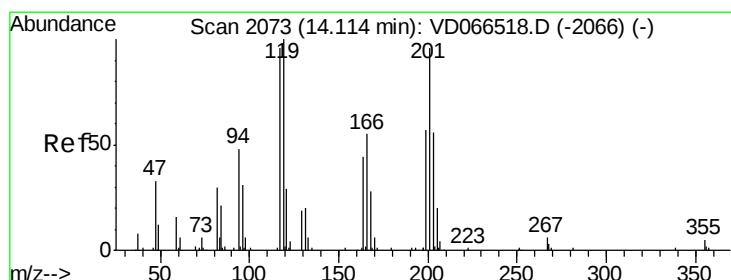
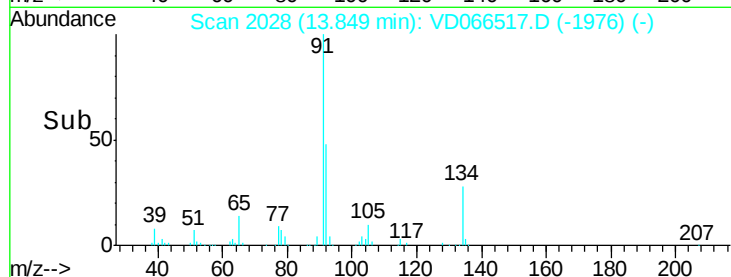
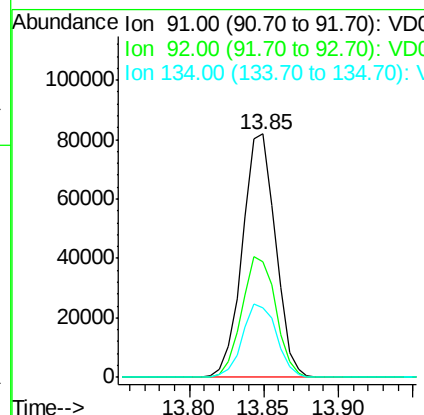
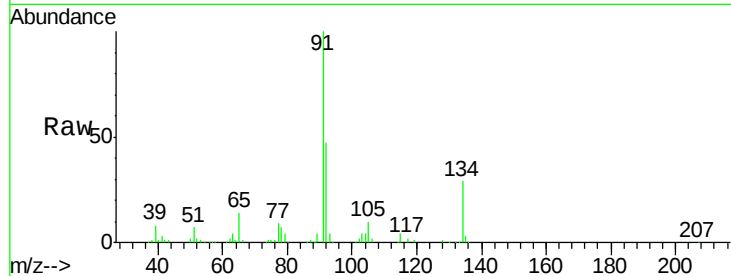
#89
n-Butylbenzene
Concen: 20.415 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	50.9	26.9	80.7	
134	30.9	15.0	45.1	

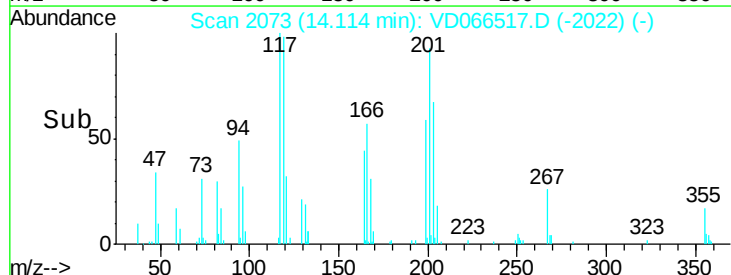
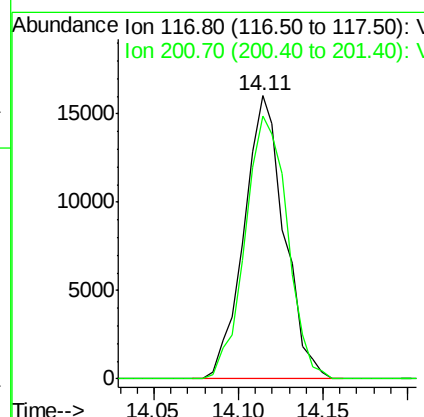
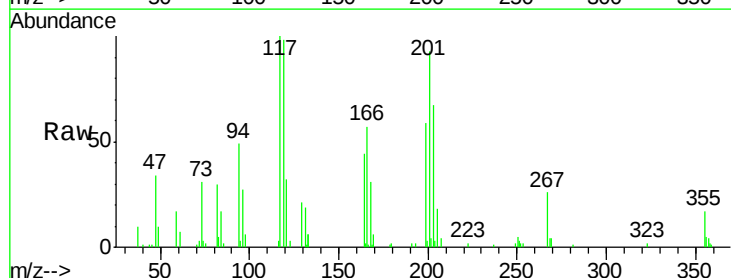
Manual Integrations
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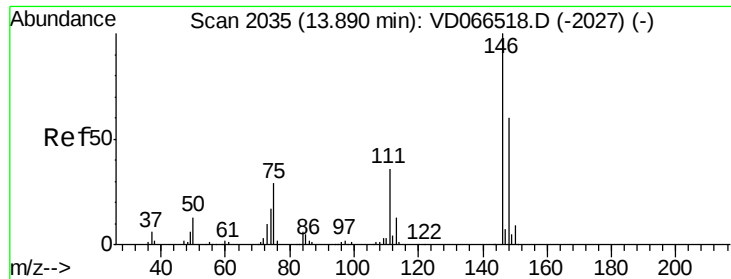
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#90
Hexachloroethane
Concen: 20.182 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	96.7	50.0	150.0	





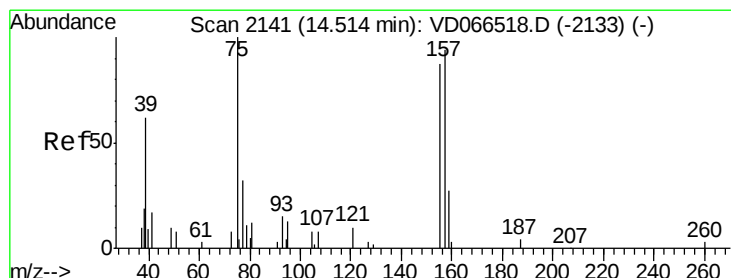
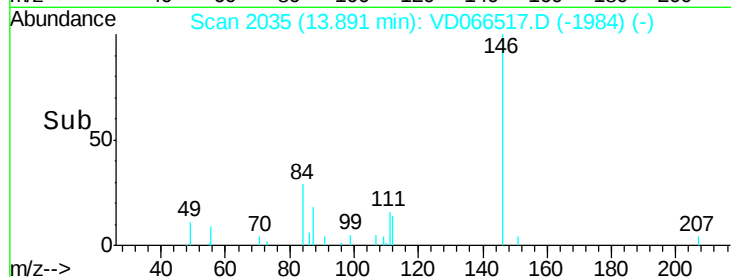
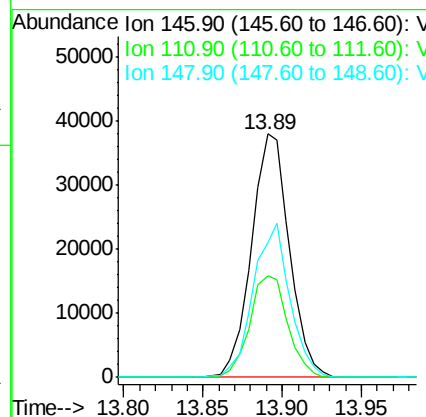
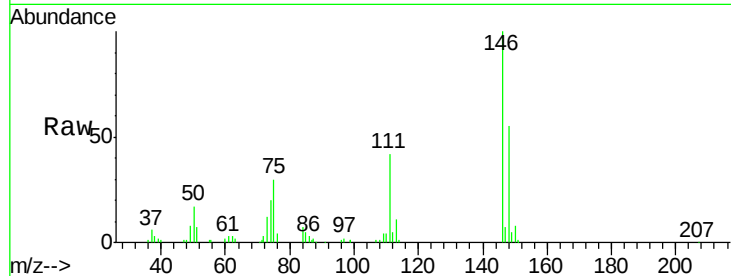
#91
 1,2-Dichlorobenzene
 Concen: 20.264 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.1	60.2
148	61.0	32.3	96.9

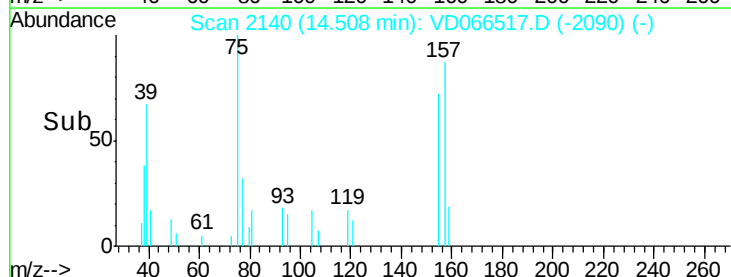
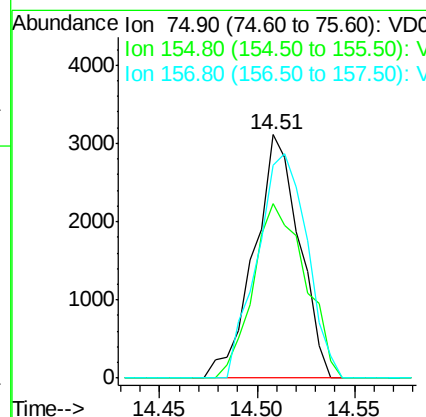
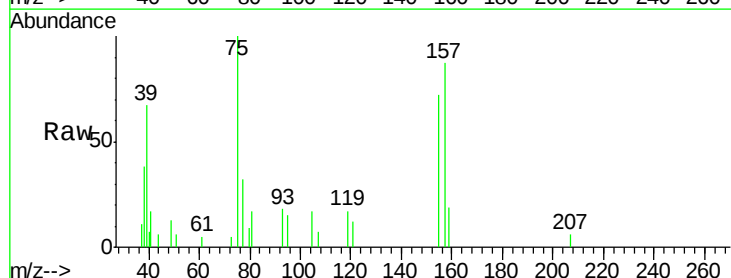
Manual Integrations
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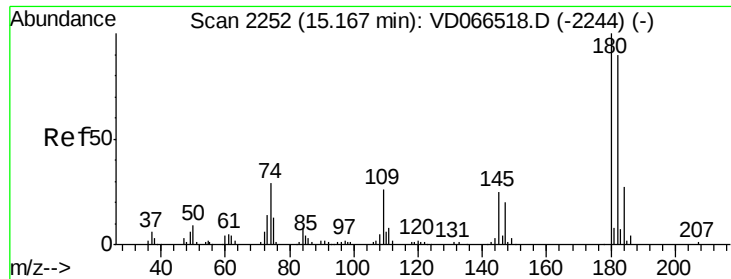
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.877 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	40.8	122.5
157	102.0	49.3	147.8





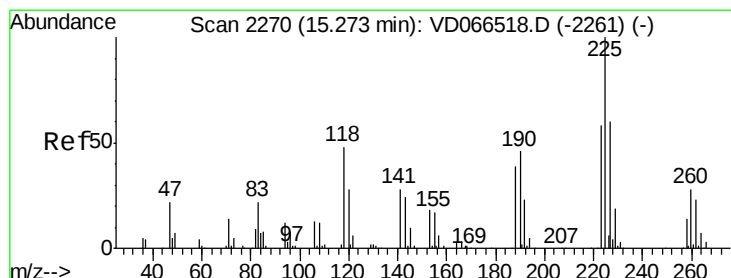
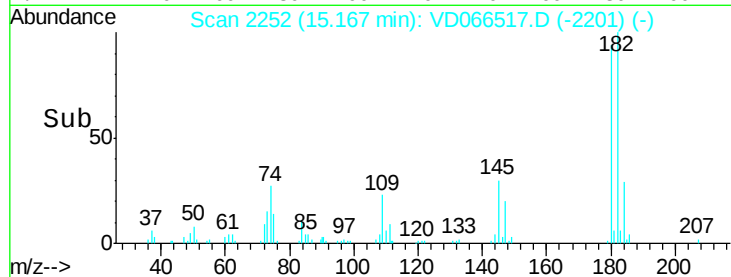
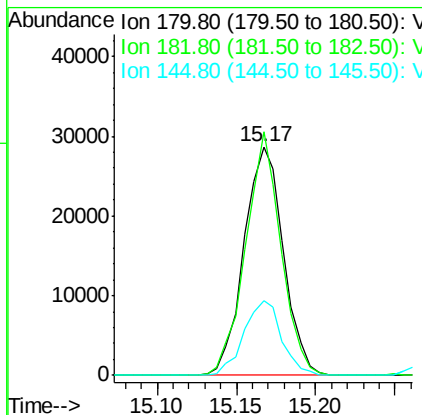
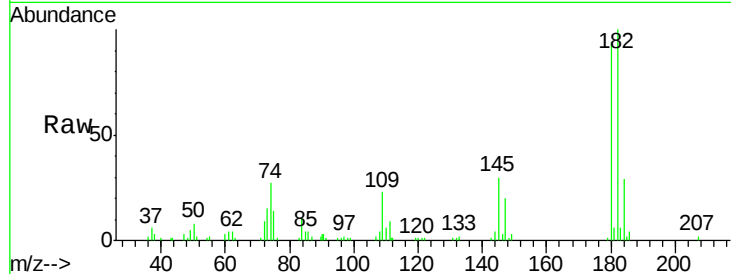
#93
 1,2,4-Trichlorobenzene
 Concen: 20.064 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49395		
182	95.5	46.9	140.6	
145	31.3	15.0	45.1	

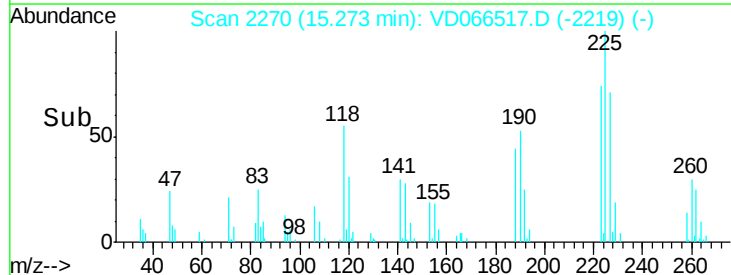
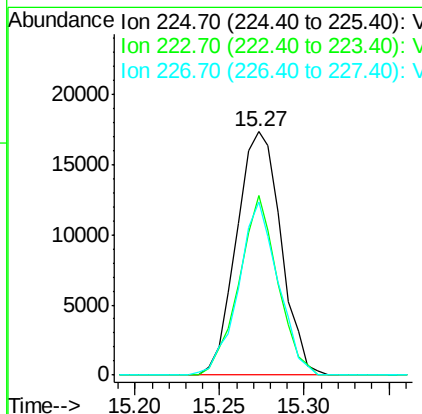
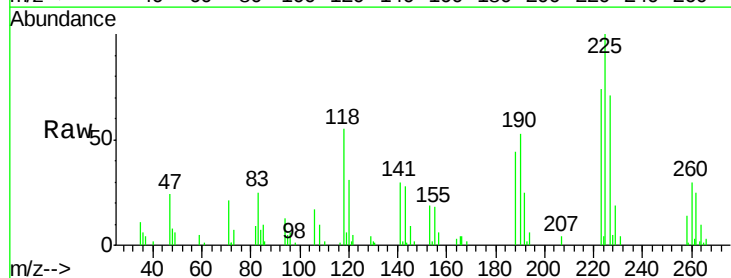
Manual Integrations
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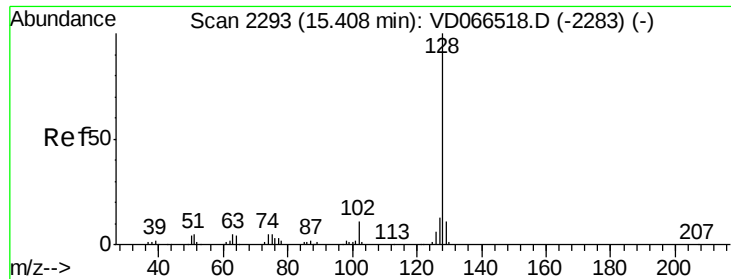
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#94
 Hexachlorobutadiene
 Concen: 19.914 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066517.D
 Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31781		
223	64.1	31.6	94.7	
227	63.6	31.4	94.3	





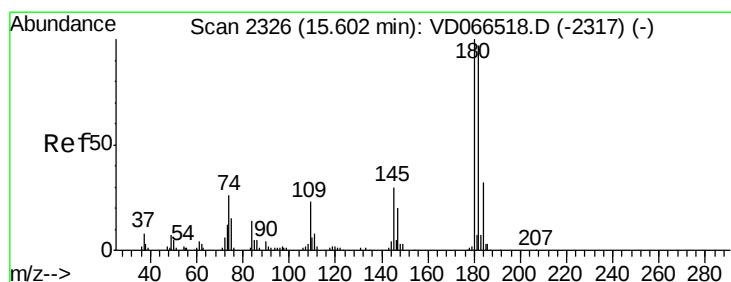
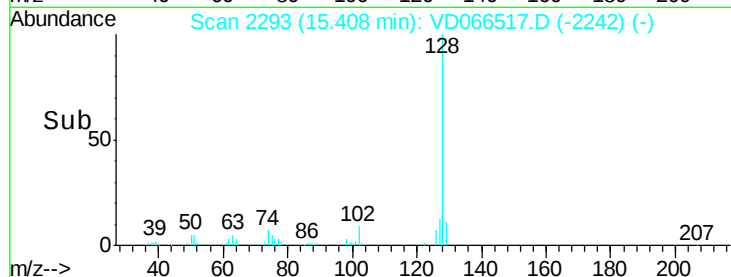
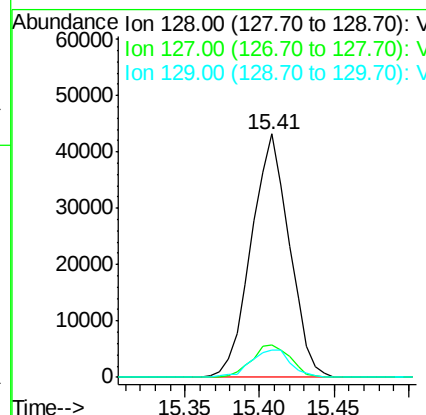
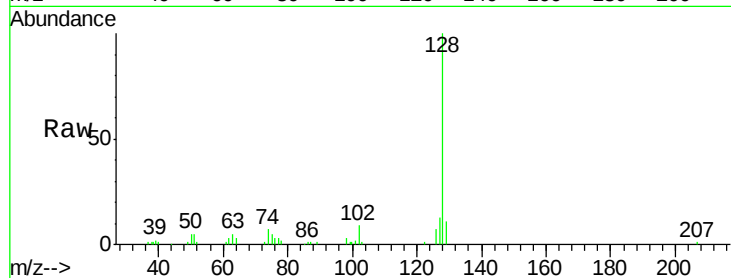
#95
Naphthalene
Concen: 19.850 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.1	16.7
129	11.9	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.590 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066517.D
Acq: 02 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.5
145	32.0	16.2	48.6

