

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066713.D
 Acq On : 16 Sep 2020 12:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:05:01 PM

Quant Time: Sep 17 00:55:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	450829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	725915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	644755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302646	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	236815	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	7.91	113	225586	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	827936	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.63	95	272067	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	155633	46.264	ug/l	100
3) Chloromethane	2.21	50	203120	41.403	ug/l	96
4) Vinyl Chloride	2.35	62	220094	42.866	ug/l	96
5) Bromomethane	2.77	94	142416	39.101	ug/l	98
6) Chloroethane	2.92	64	132004	41.270	ug/l	98
7) Trichlorofluoromethane	3.27	101	391876	44.188	ug/l	98
8) Diethyl Ether	3.71	74	97190	43.765	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	216873	44.498	ug/l	98
10) Methyl Iodide	4.30	142	198631	42.954	ug/l	98
11) Tert butyl alcohol	5.22	59	68678	208.520	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	199475	44.219	ug/l	99
13) Acrolein	3.92	56	78983	232.821	ug/l	97
14) Allyl chloride	4.71	41	322278	44.486	ug/l	99
15) Acrylonitrile	5.42	53	214706	220.705	ug/l	99
16) Acetone	4.16	43	276747	282.534	ug/l	91
17) Carbon Disulfide	4.40	76	638079	45.014	ug/l	99
18) Methyl Acetate	4.72	43	95170	45.172	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	470140	46.790	ug/l	97
20) Methylene Chloride	4.96	84	237607	44.285	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	234286	44.578	ug/l	96
22) Diisopropyl ether	6.36	45	659432	44.797	ug/l	98
23) Vinyl Acetate	6.30	43	1932019	235.953	ug/l	100
24) 1,1-Dichloroethane	6.26	63	407659	43.641	ug/l	99
25) 2-Butanone	7.21	43	306821	240.554	ug/l	99
26) 2,2-Dichloropropane	7.21	77	390426	45.199	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	252600	43.933	ug/l	96
28) Bromochloromethane	7.54	49	159805	45.802	ug/l	97
29) Tetrahydrofuran	7.56	42	176219	225.812	ug/l	97
30) Chloroform	7.71	83	430181	43.271	ug/l	99
31) Cyclohexane	7.99	56	386231	45.457	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	412695	45.365	ug/l	100
36) 1,1-Dichloropropene	8.11	75	346561	46.435	ug/l	100
37) Ethyl Acetate	7.29	43	129609	45.872	ug/l	98
38) Carbon Tetrachloride	8.09	117	369118	46.572	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	419668	49.159	ug/l	98
40) Benzene	8.35	78	910789	45.107	ug/l	100
41) Methacrylonitrile	7.53	41	82048m	54.851	ug/l	
42) 1,2-Dichloroethane	8.42	62	280823	44.892	ug/l	100
43) Isopropyl Acetate	8.45	43	243265	45.742	ug/l	99
44) Trichloroethene	9.11	130	246261	45.615	ug/l	100
45) 1,2-Dichloropropane	9.38	63	226648	45.405	ug/l	98
46) Dibromomethane	9.47	93	120499	43.930	ug/l	97
47) Bromodichloromethane	9.66	83	335885	44.938	ug/l	99
48) Methyl methacrylate	9.46	41	130843	48.369	ug/l	98
49) 1,4-Dioxane	9.46	88	26853	913.906	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	635632	232.155	ug/l	100
52) Toluene	10.40	92	592152	45.779	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	309935	46.418	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	369883	46.639	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	161732	44.720	ug/l	98
56) Ethyl methacrylate	10.66	69	203458	49.575	ug/l	98
57) 1,3-Dichloropropane	10.94	76	284426	44.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	448923	249.060	ug/l	97
59) 2-Hexanone	10.98	43	466642	253.654	ug/l	99
60) Dibromochloromethane	11.14	129	213288	45.262	ug/l	100
61) 1,2-Dibromoethane	11.24	107	156966	45.246	ug/l	99
64) Tetrachloroethene	10.87	164	197626	44.901	ug/l	95
65) Chlorobenzene	11.67	112	601692	45.073	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	221668	45.006	ug/l	98
67) Ethyl Benzene	11.74	91	1145403	47.371	ug/l	98
68) m/p-Xylenes	11.85	106	858569	93.949	ug/l	99
69) o-Xylene	12.18	106	378494	46.868	ug/l	99
70) Styrene	12.20	104	658658	46.339	ug/l	97
71) Bromoform	12.36	173	115946	46.907	ug/l #	96
73) Isopropylbenzene	12.48	105	1096536	48.534	ug/l	100
74) N-amyl acetate	12.29	43	227289	47.690	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	170594	44.435	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	131969m	50.943	ug/l	
77) Bromobenzene	12.76	156	230217	44.210	ug/l	99
78) n-propylbenzene	12.82	91	1317725	47.845	ug/l	100
79) 2-Chlorotoluene	12.91	91	722008	46.362	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	909496	47.610	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	56336	46.934	ug/l	98
82) 4-Chlorotoluene	13.01	91	751565	45.641	ug/l	99
83) tert-Butylbenzene	13.23	119	769823	48.893	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	902861	47.292	ug/l	99
85) sec-Butylbenzene	13.40	105	1099881	48.727	ug/l	100
86) p-Isopropyltoluene	13.52	119	1013138	49.370	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	458590	45.903	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	447552	44.987	ug/l	98
89) n-Butylbenzene	13.84	91	959264	49.160	ug/l	99
90) Hexachloroethane	14.11	117	191478	45.421	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	385794	45.068	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29455	47.462	ug/l	94

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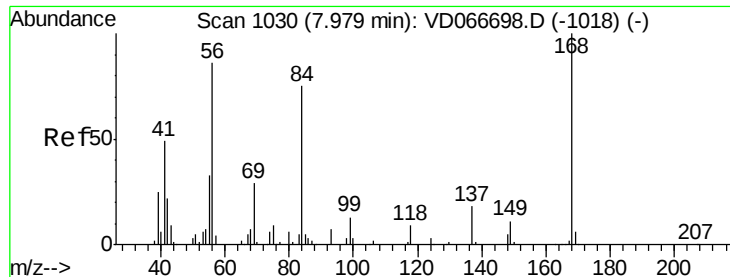
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	251013	48.481	ug/l	98
94) Hexachlorobutadiene	15.27	225	151121	48.446	ug/l	99
95) Naphthalene	15.40	128	447730	49.494	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	215737	47.705	ug/l	100

(#) = 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: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 450829

Ion Ratio Lower Upper

168 100

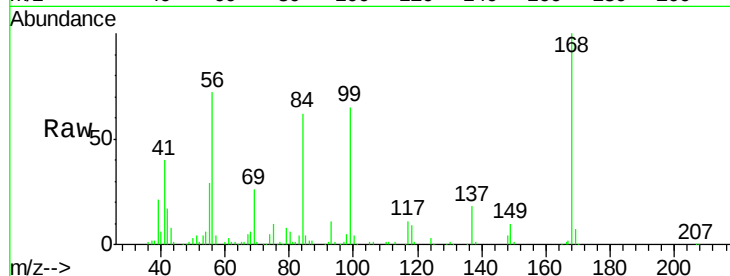
99 64.2 54.4 81.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

150000

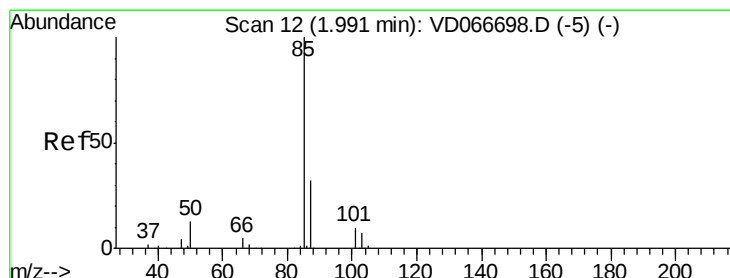
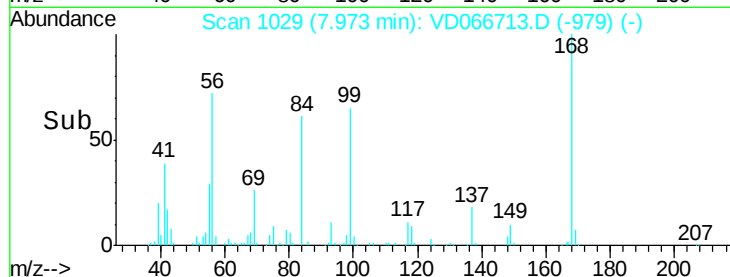
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.264 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066713.D

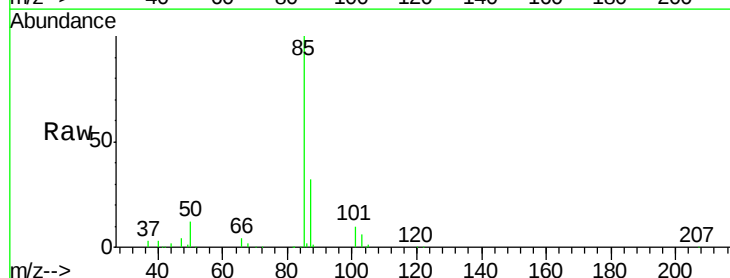
Acq: 16 Sep 2020 12:09

Tgt Ion: 85 Resp: 155633

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

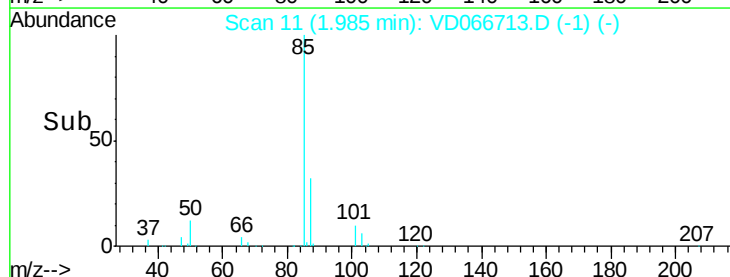
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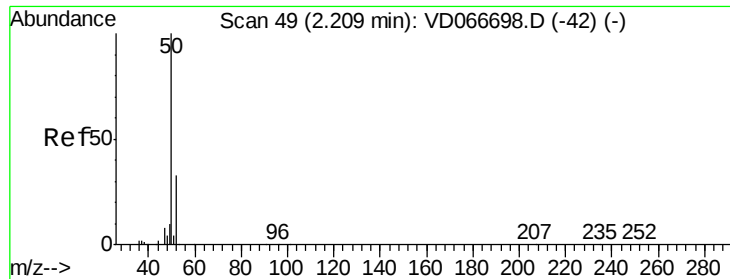
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 41.403 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 203120

Ion Ratio Lower Upper

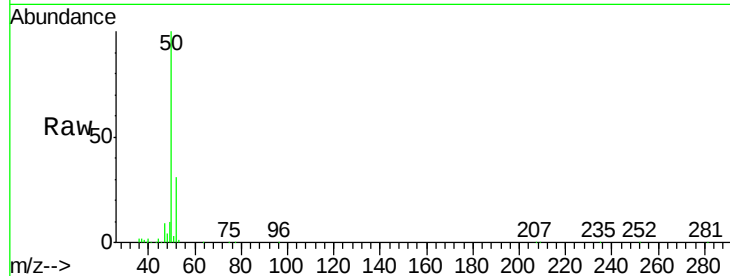
50 100

52 31.1 26.8 40.2

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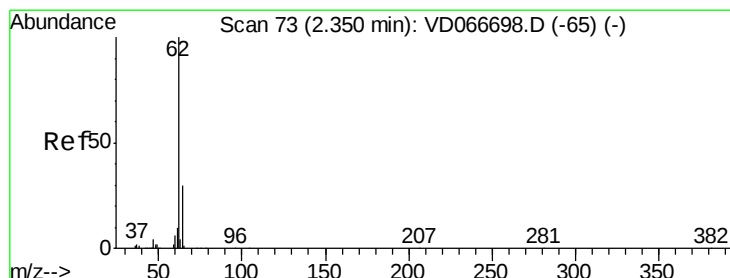
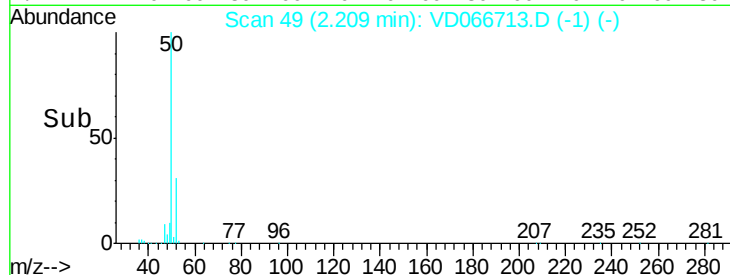
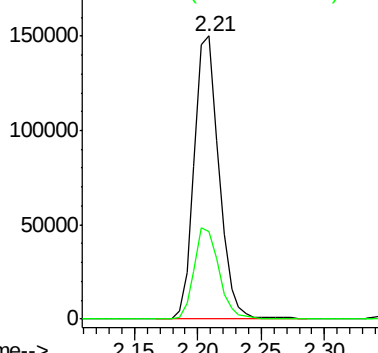
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.866 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066713.D

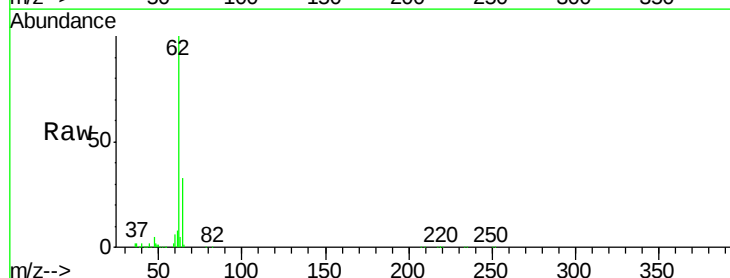
Acq: 16 Sep 2020 12:09

Tgt Ion: 62 Resp: 220094

Ion Ratio Lower Upper

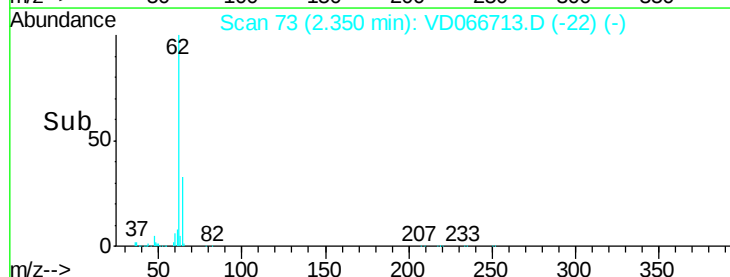
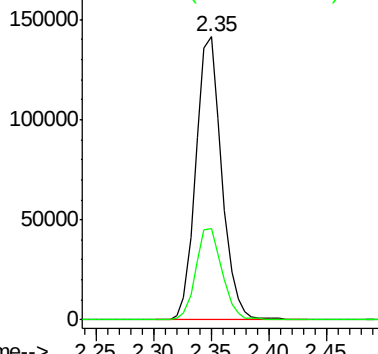
62 100

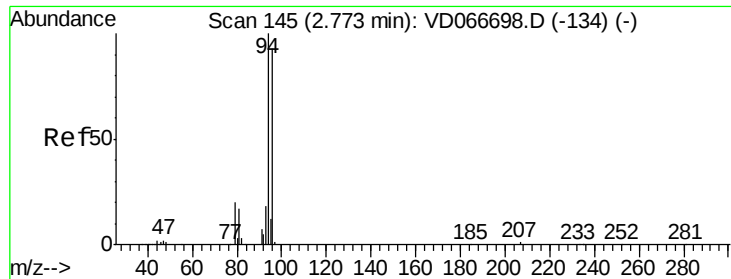
64 32.5 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 39.101 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 142416

Ion Ratio Lower Upper

94 100

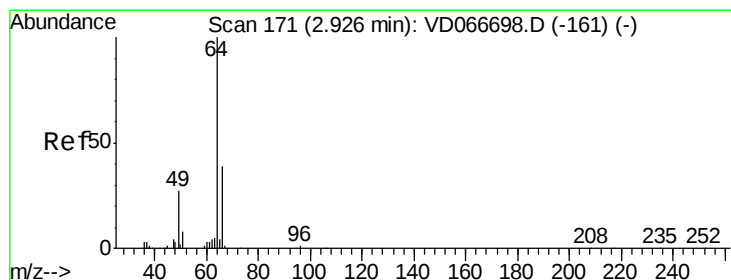
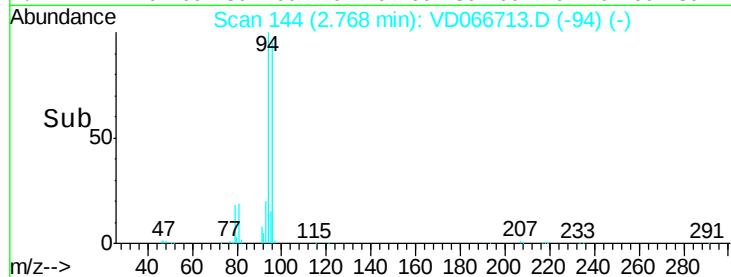
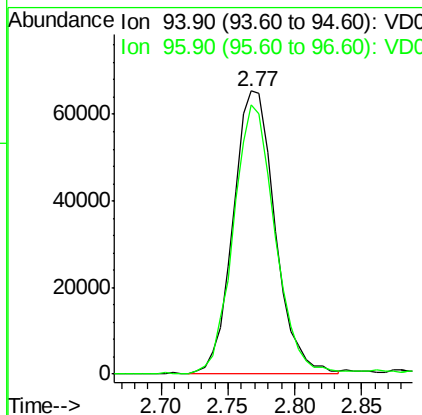
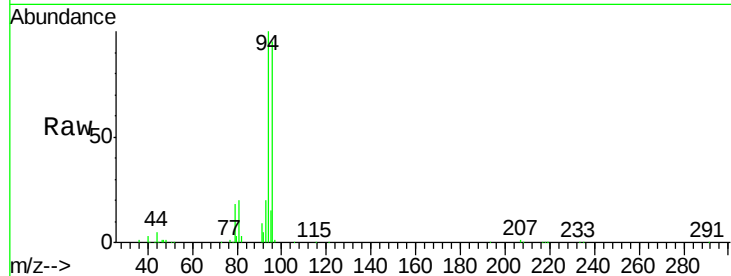
96 95.1 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 41.270 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066713.D

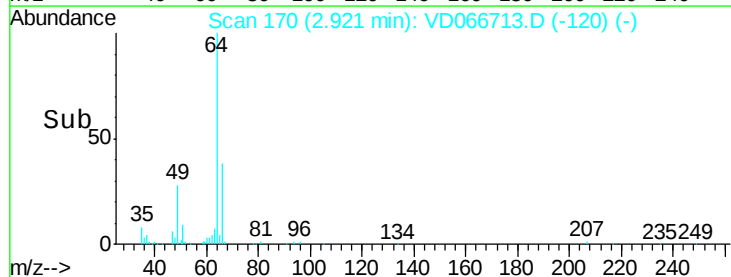
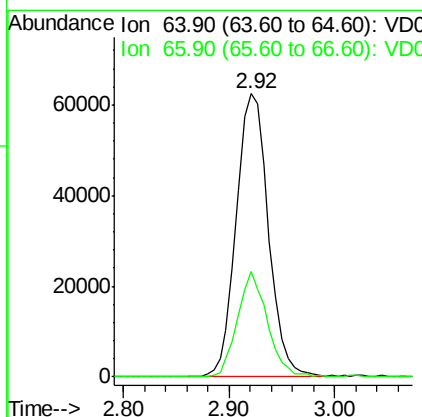
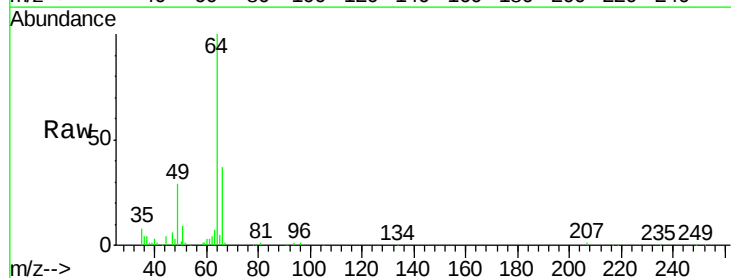
Acq: 16 Sep 2020 12:09

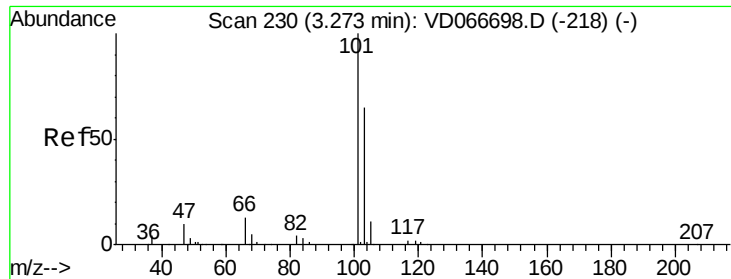
Tgt Ion: 64 Resp: 132004

Ion Ratio Lower Upper

64 100

66 37.5 30.9 46.3





#7

Trichlorofluoromethane

Concen: 44.188 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion:101 Resp: 391876

Ion Ratio Lower Upper

101 100

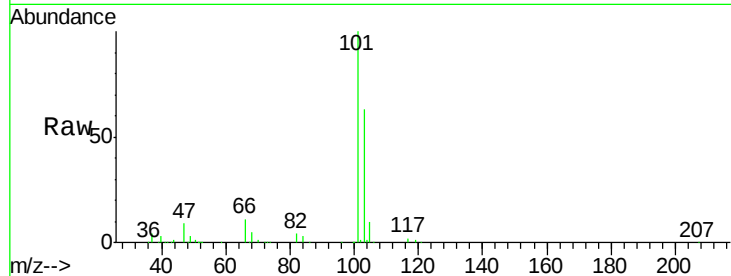
103 63.1 51.8 77.8

Manual Integrations

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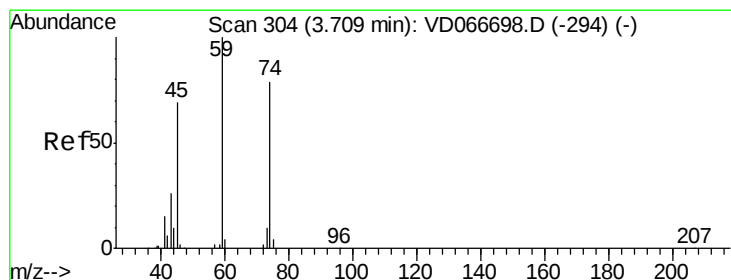
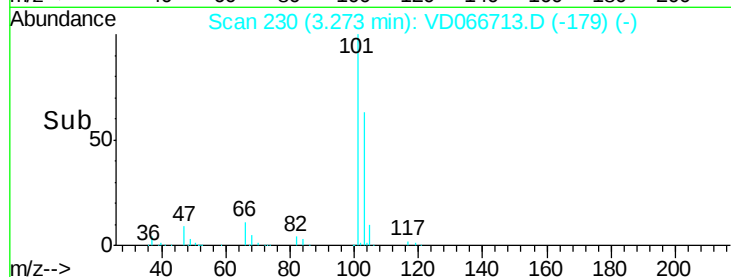
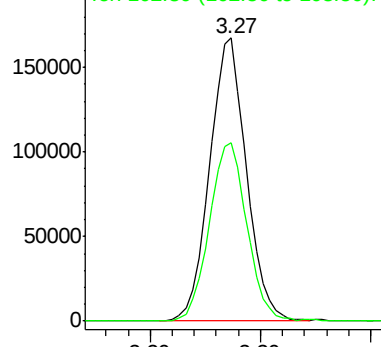
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 43.765 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD066713.D

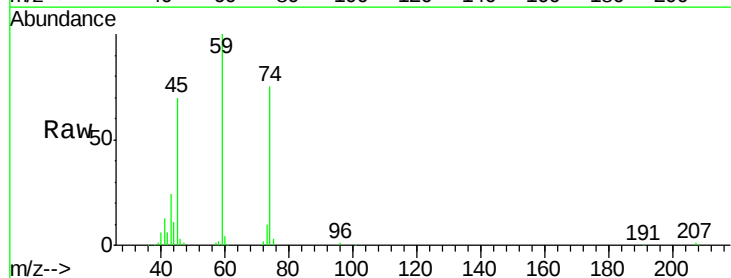
Acq: 16 Sep 2020 12:09

Tgt Ion: 74 Resp: 97190

Ion Ratio Lower Upper

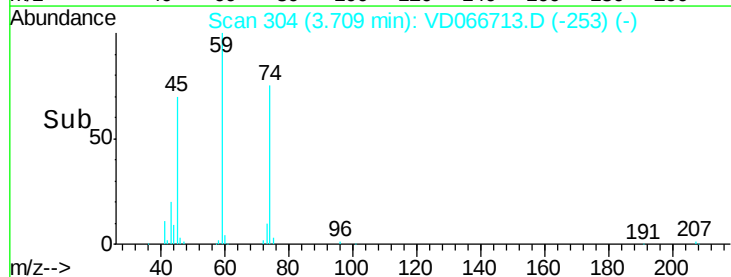
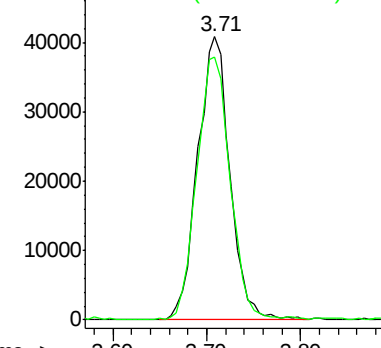
74 100

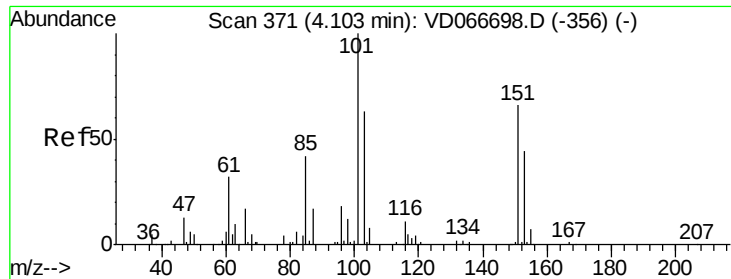
45 95.7 48.0 144.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.498 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

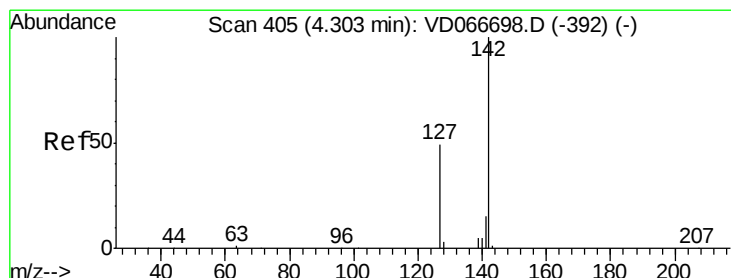
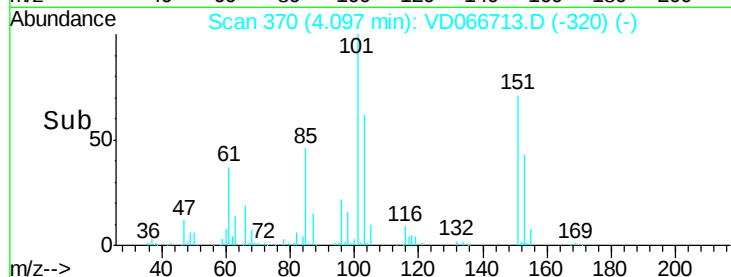
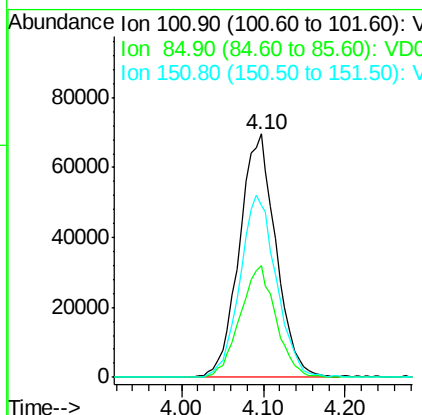
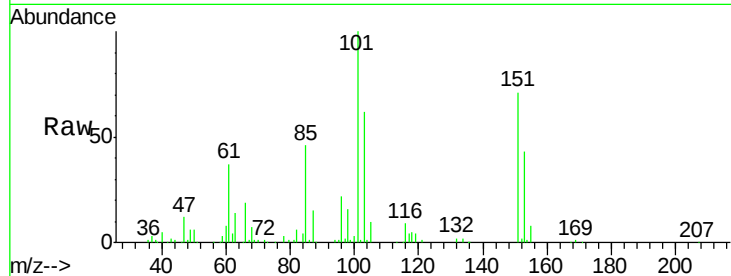
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	216873
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.3	54.5
151	74.6	58.0	87.0

Manual Integrations
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#10

Methyl Iodide

Concen: 42.954 ug/l

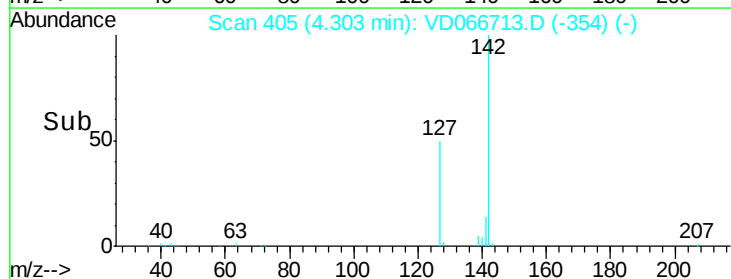
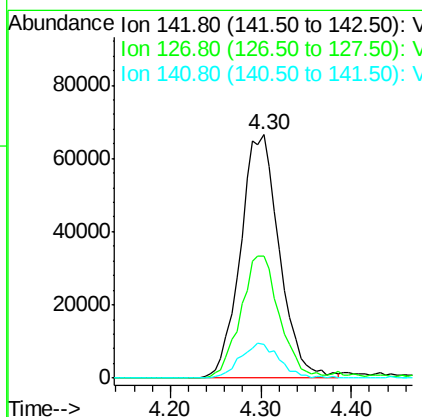
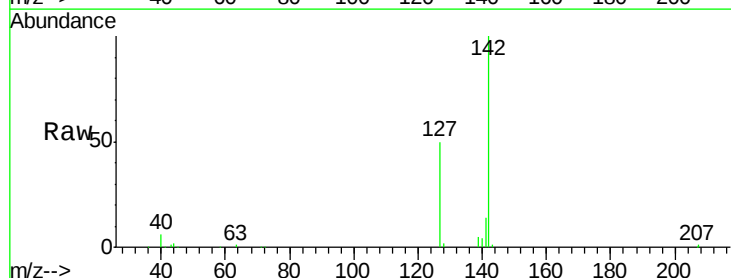
RT: 4.30 min Scan# 405

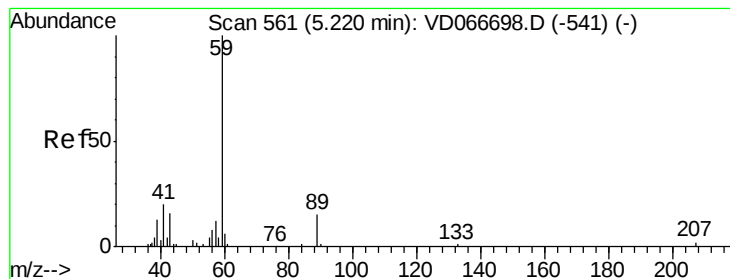
Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Tgt Ion:	142	Resp:	198631
Ion Ratio	Lower	Upper	
142	100		
127	49.9	39.0	58.4
141	14.2	11.7	17.5





#11

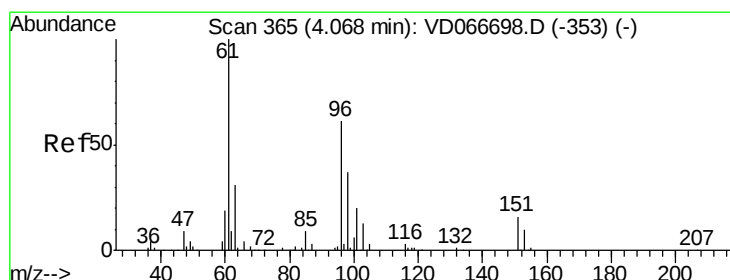
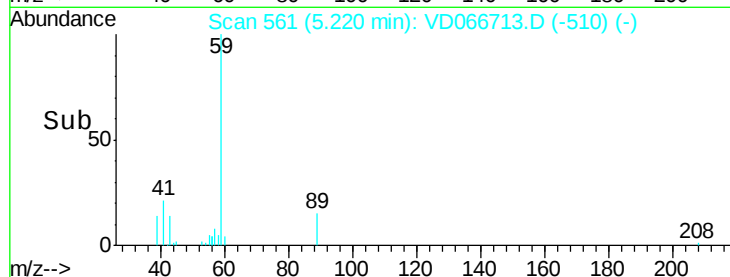
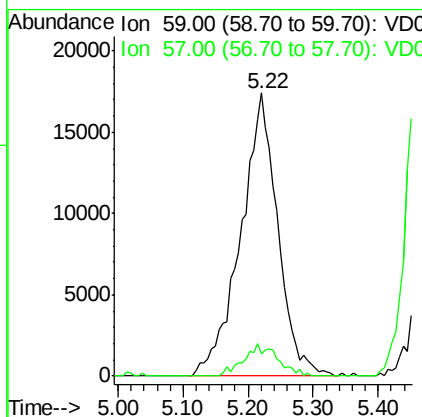
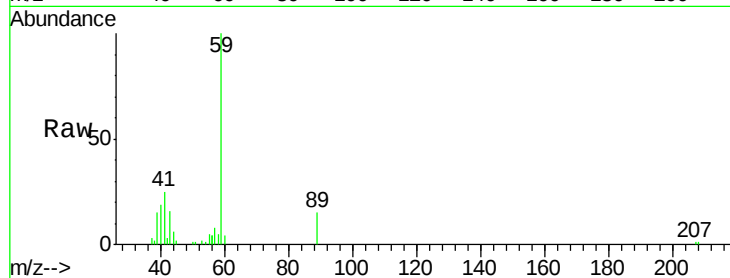
Tert butyl alcohol
Concen: 208.520 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	68678		
57	6.4		6.7	10.1#

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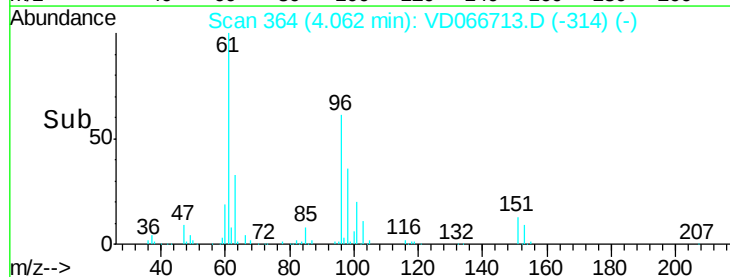
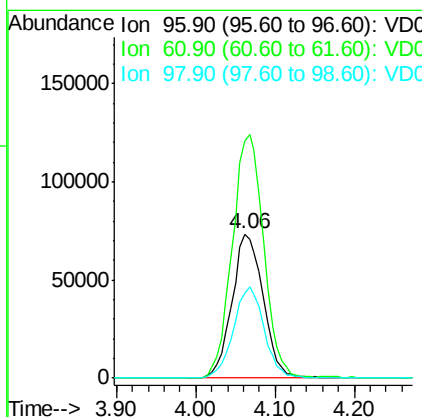
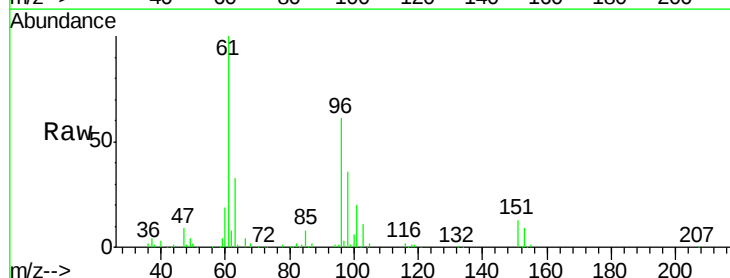
MMDadoda
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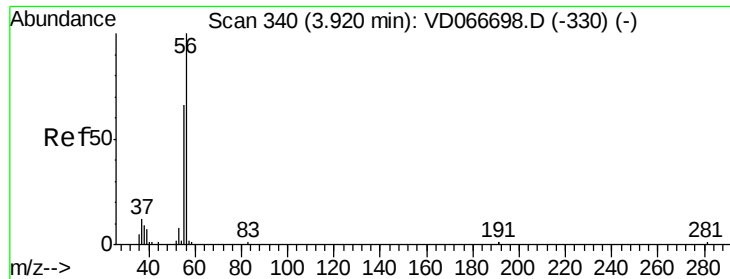


#12

1,1-Dichloroethene
Concen: 44.219 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	199475		
61	164.0		131.9	197.9
98	59.2		49.1	73.7





#13

Acrolein

Concen: 232.821 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 78983

Ion Ratio Lower Upper

56 100

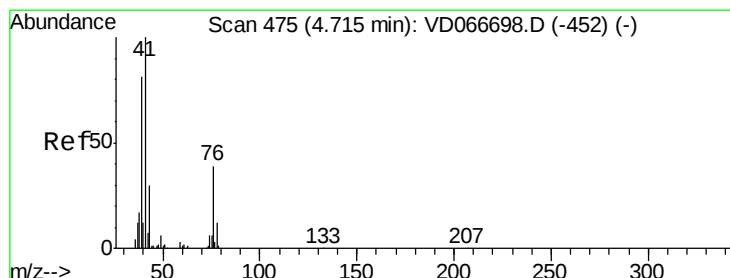
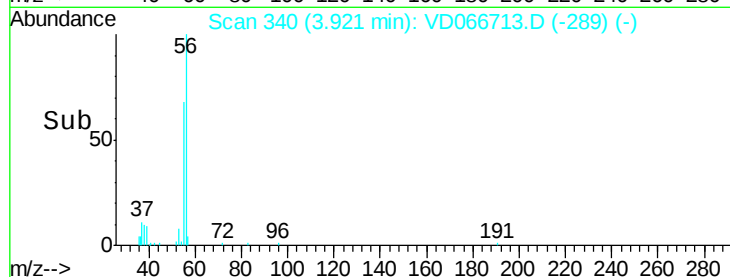
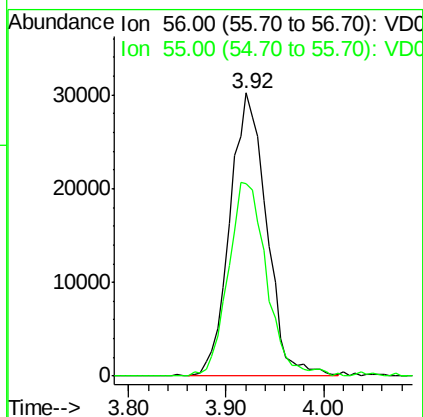
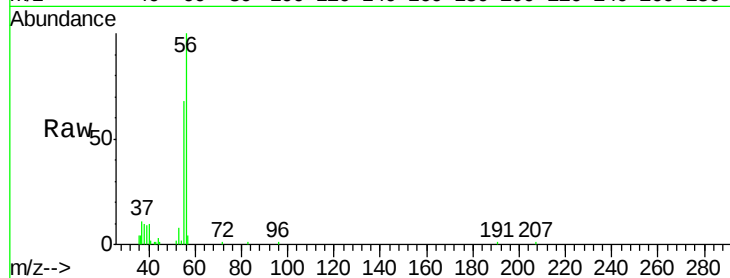
55 70.4 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 44.486 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

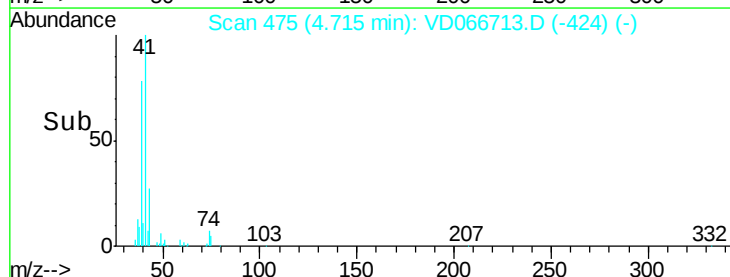
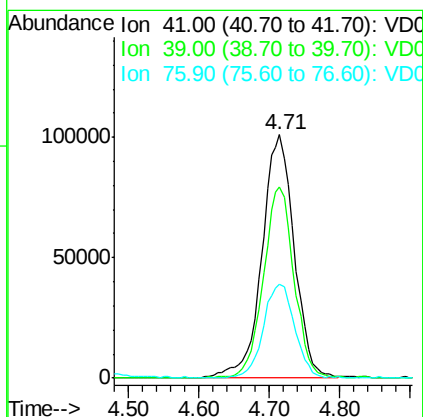
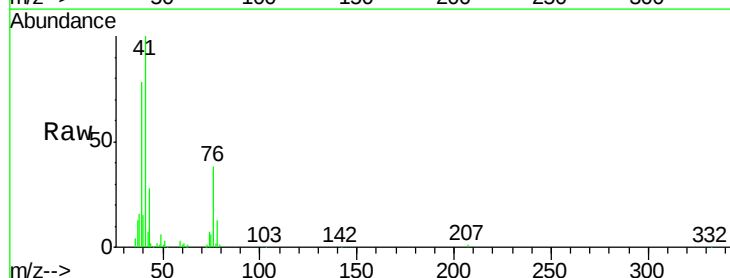
Tgt Ion: 41 Resp: 322278

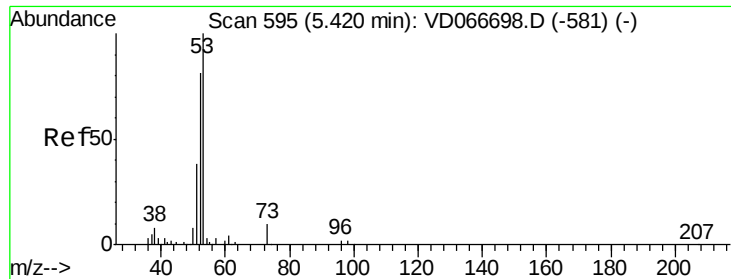
Ion Ratio Lower Upper

41 100

39 74.9 60.6 90.8

76 37.6 29.2 43.8





#15

Acrylonitrile

Concen: 220.705 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

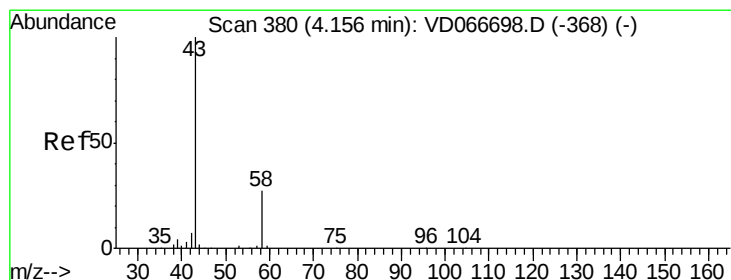
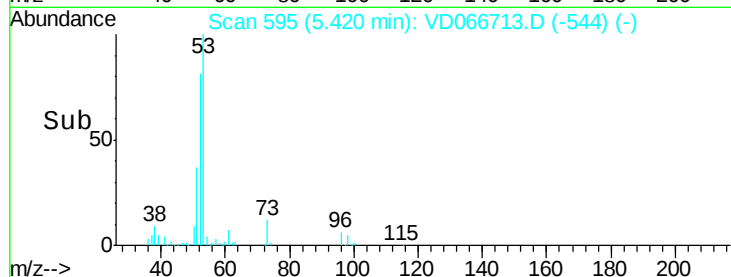
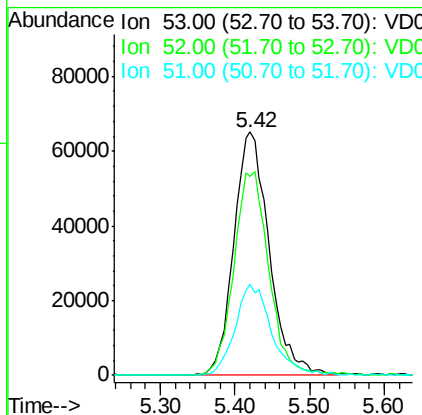
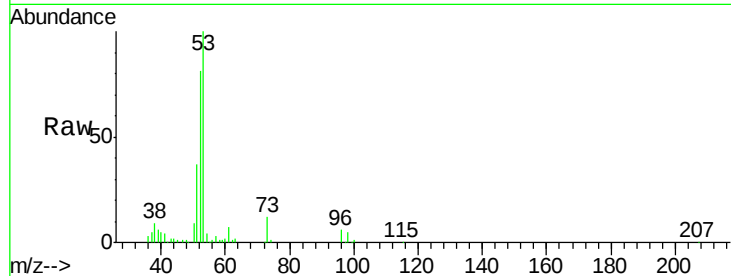
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	214706
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.6	99.8
51	38.3	31.0	46.6

Manual Integrations
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#16

Acetone

Concen: 282.534 ug/l

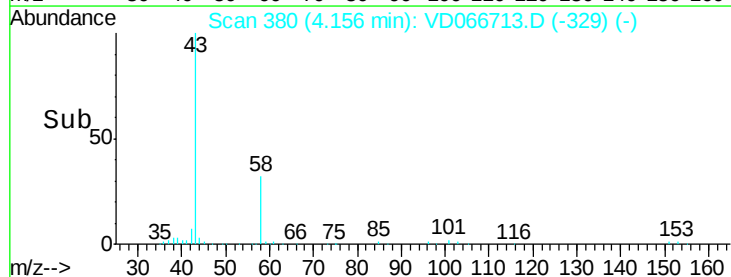
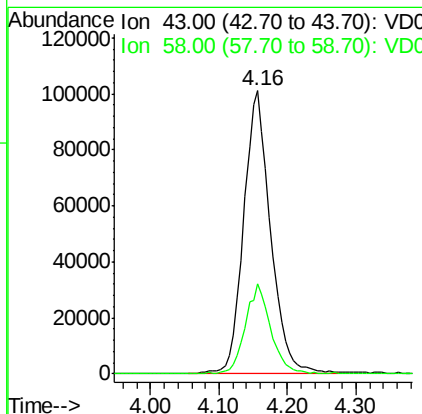
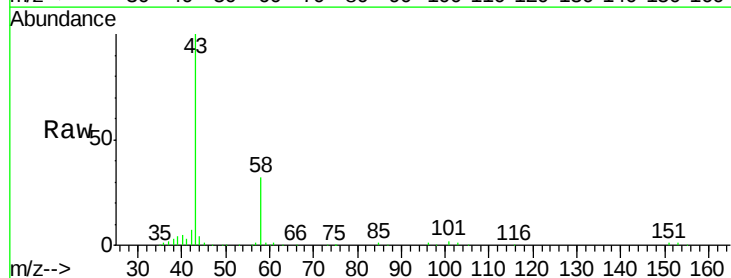
RT: 4.16 min Scan# 380

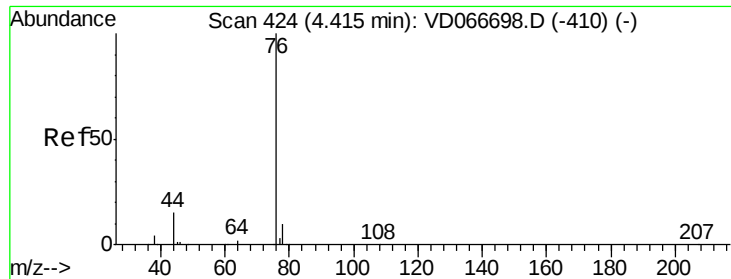
Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Tgt Ion:	43	Resp:	276747
Ion Ratio	Lower	Upper	
43	100		
58	31.9	21.9	32.9





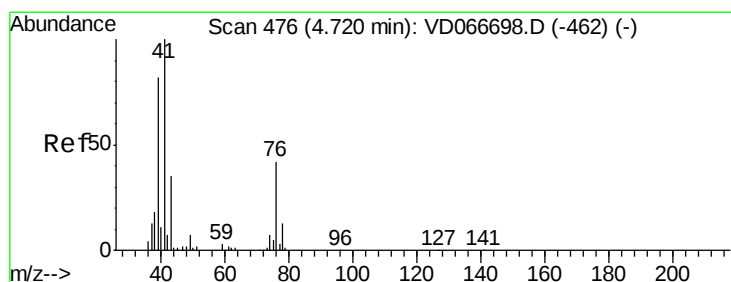
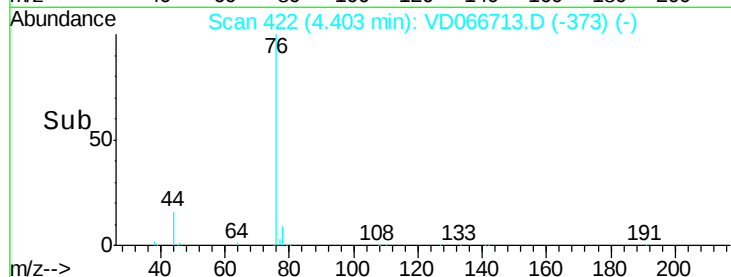
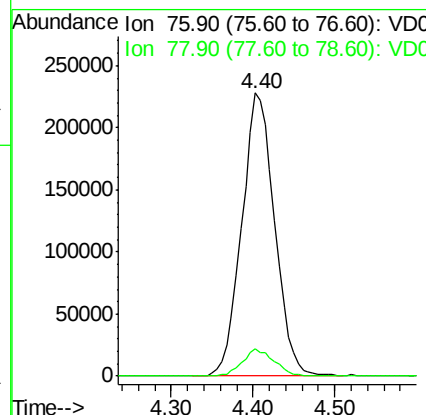
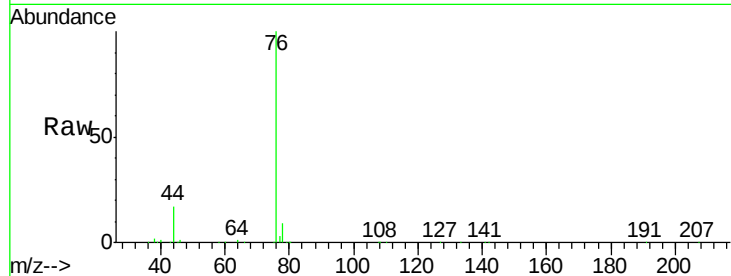
#17
Carbon Disulfide
Concen: 45.014 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	8.0	12.0

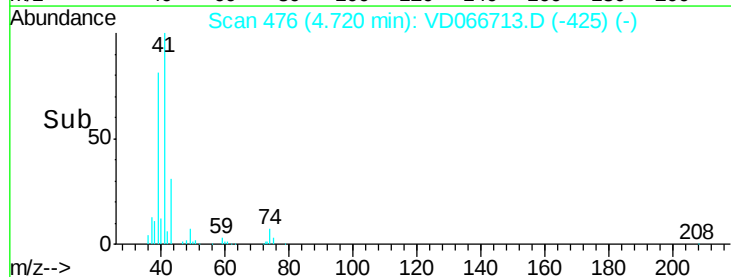
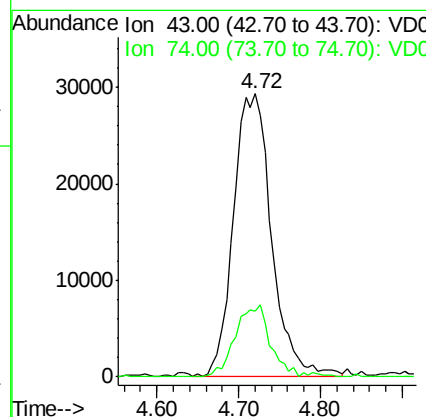
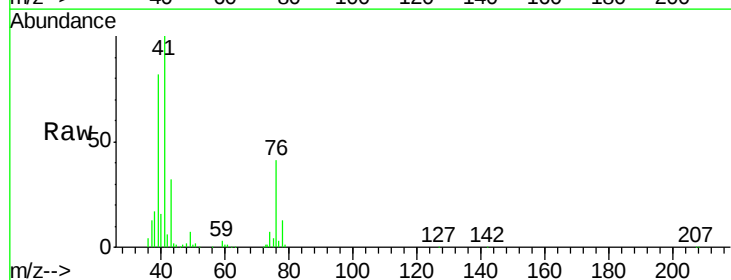
Manual Integrations
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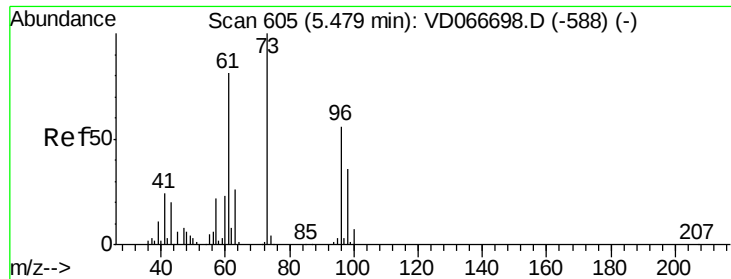
MMDadoda
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#18
Methyl Acetate
Concen: 45.172 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.6	28.0





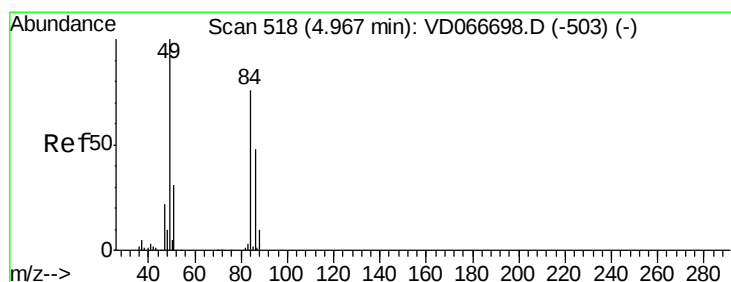
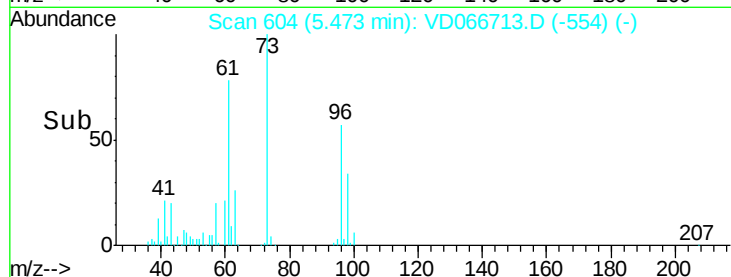
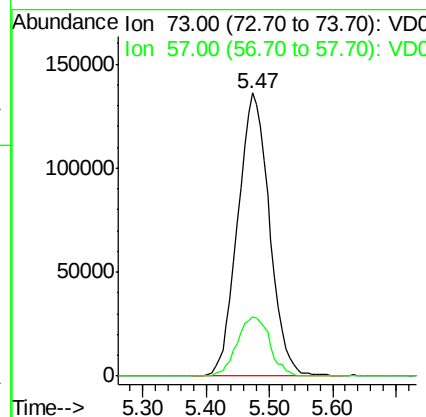
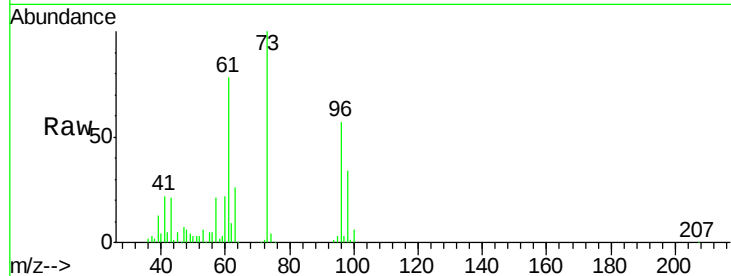
#19
Methyl tert-butyl Ether
Concen: 46.790 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 470140
Ion Ratio Lower Upper
73 100
57 20.8 17.8 26.6

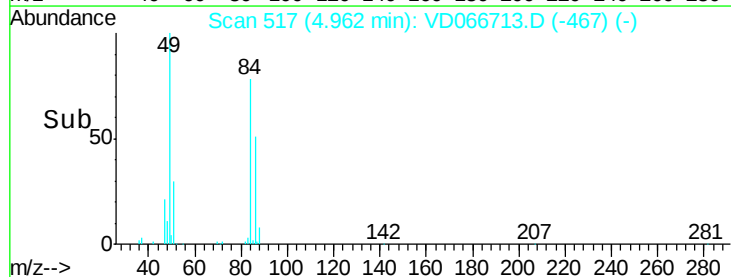
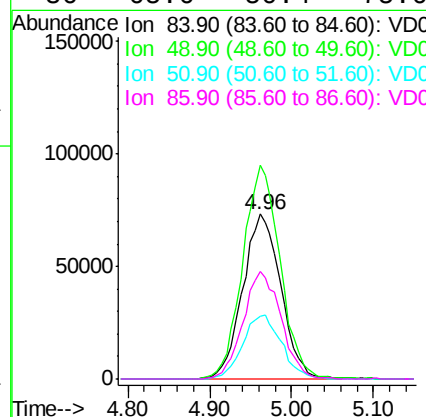
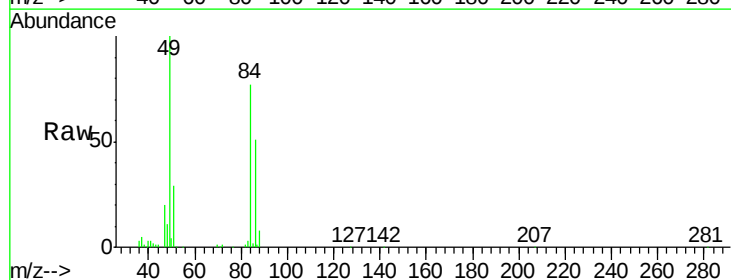
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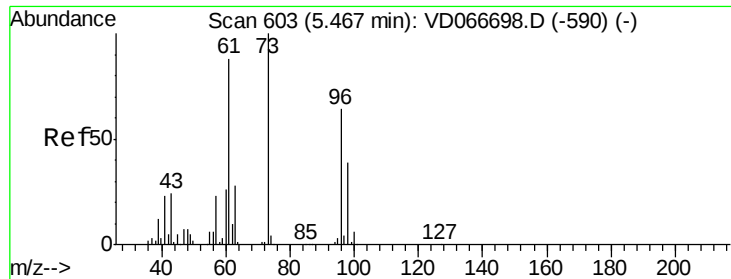
MMDadoda
9/17/2020 1:05:01 PM



#20
Methylene Chloride
Concen: 44.285 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion: 84 Resp: 237607
Ion Ratio Lower Upper
84 100
49 129.8 105.0 157.6
51 38.3 32.2 48.4
86 65.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 44.578 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

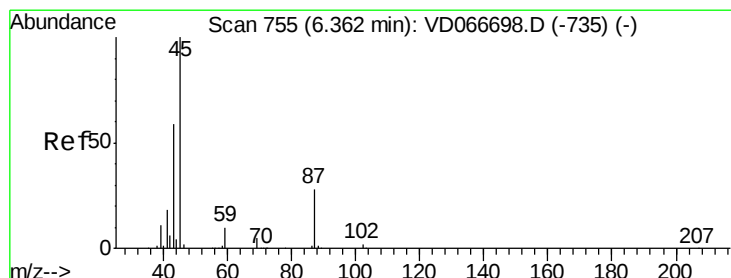
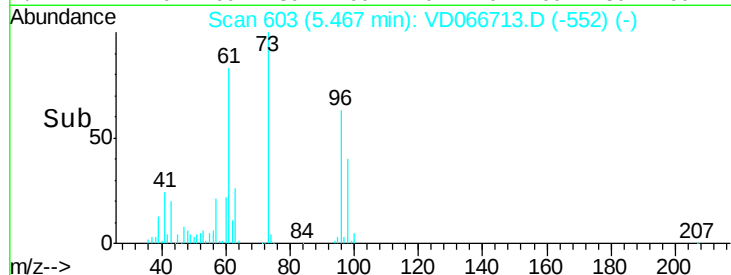
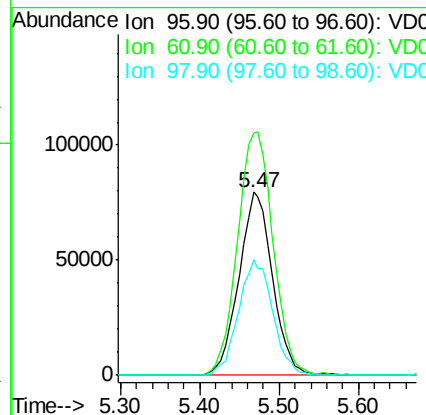
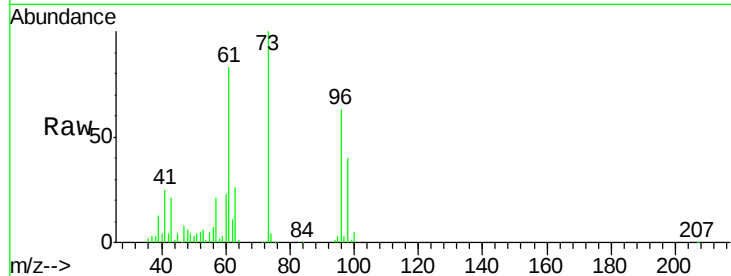
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	234286
Ion	Ratio	Lower	Upper
96	100		
61	132.5	110.6	166.0
98	63.5	49.2	73.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 44.797 ug/l

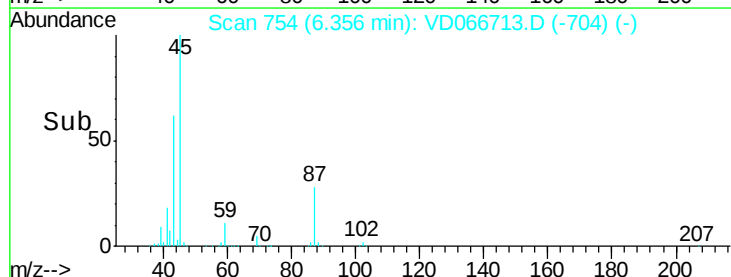
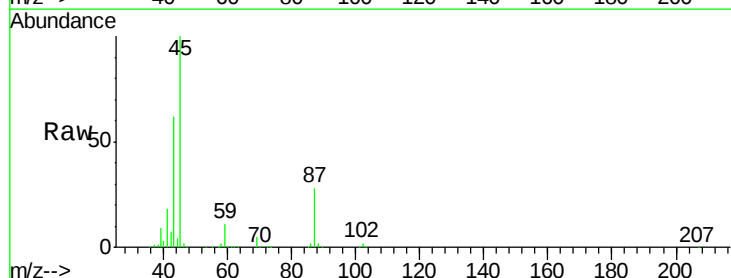
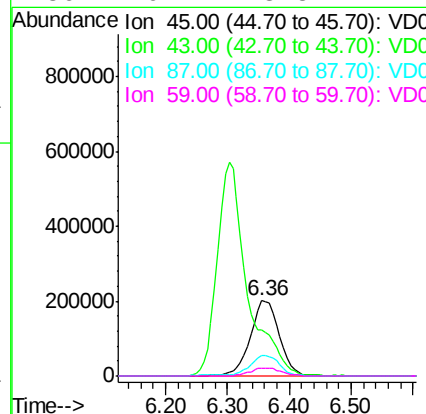
RT: 6.36 min Scan# 754

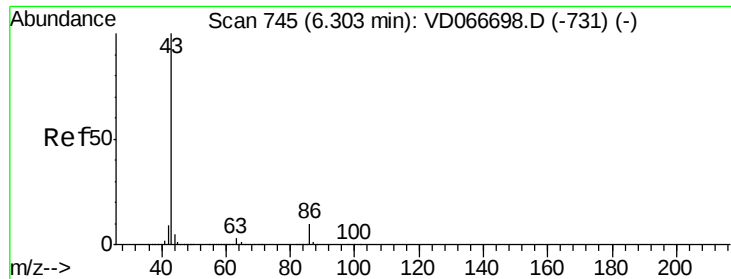
Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Tgt Ion:	45	Resp:	659432
Ion	Ratio	Lower	Upper
45	100		
43	60.7	46.9	70.3
87	27.7	22.4	33.6
59	10.7	8.5	12.7





#23

Vinyl Acetate

Concen: 235.953 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1932019

Ion Ratio Lower Upper

43 100

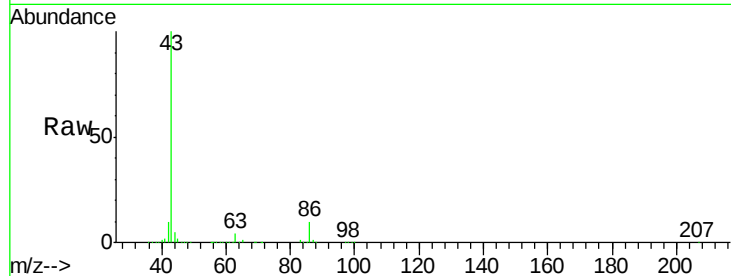
86 9.9 7.8 11.8

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

6.30

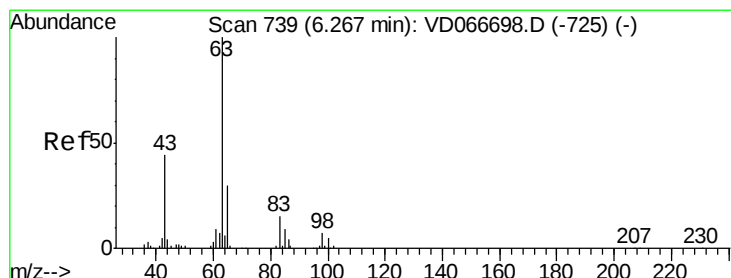
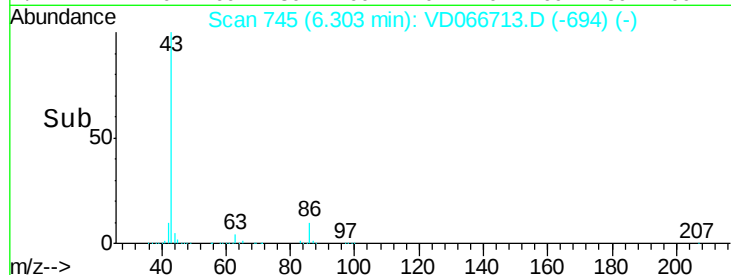
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 43.641 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

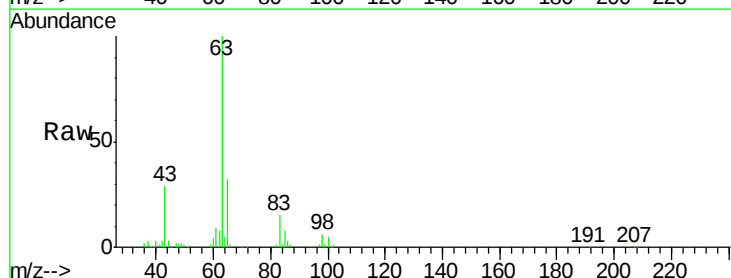
Tgt Ion: 63 Resp: 407659

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.9 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

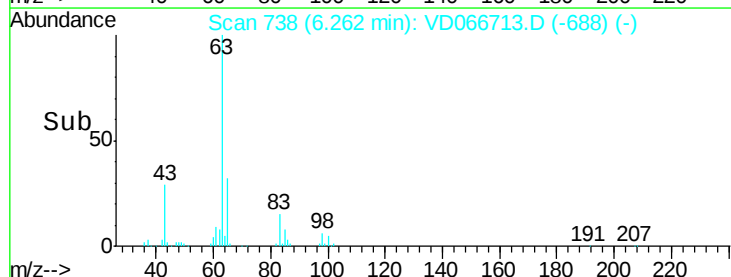
150000

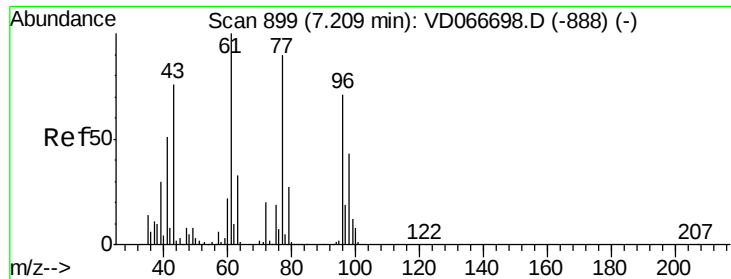
100000

50000

0

Time-->





#25

2-Butanone

Concen: 240.554 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 306821

Ion Ratio Lower Upper

43 100

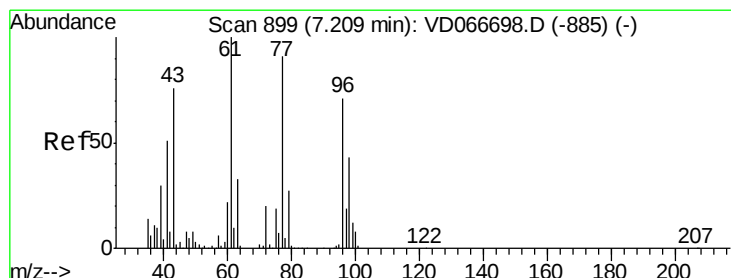
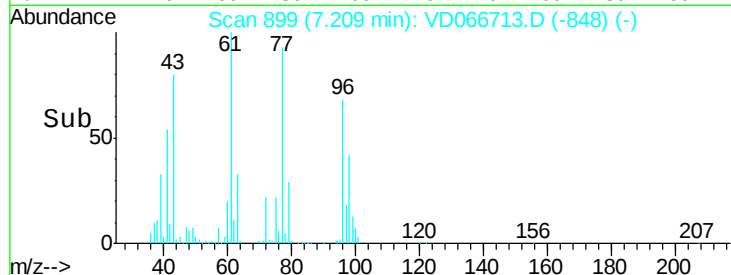
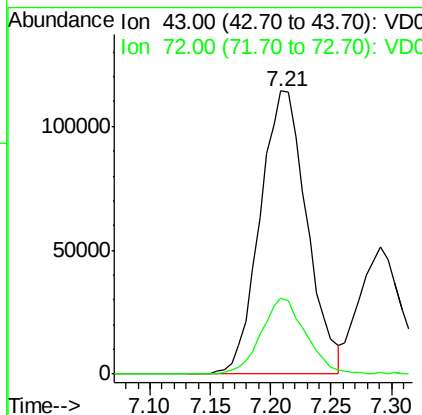
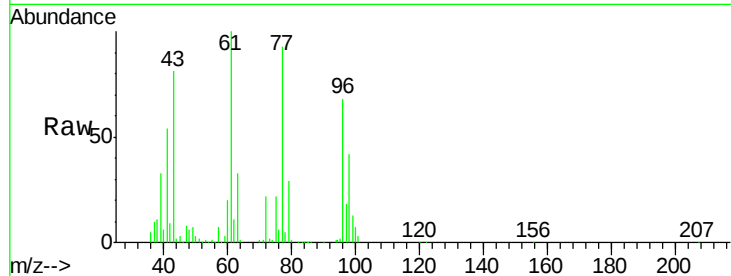
72 26.9 21.0 31.4

Manual Integrations

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MMDadoda

9/17/2020 1:05:01 PM



#26

2,2-Dichloropropane

Concen: 45.199 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066713.D

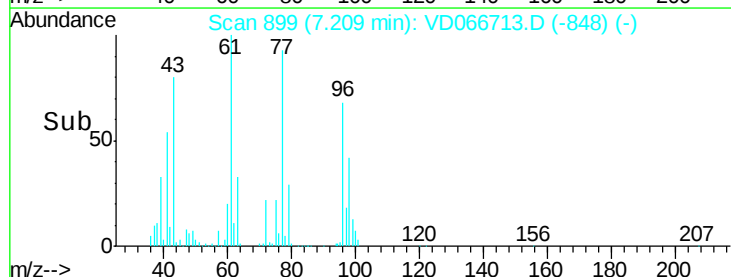
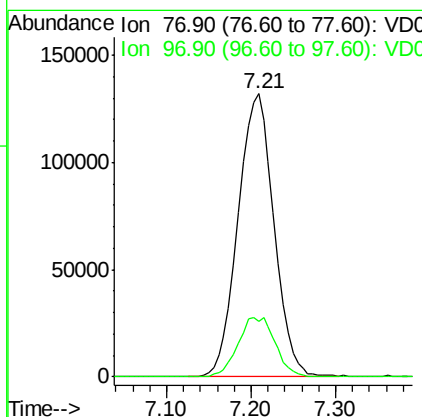
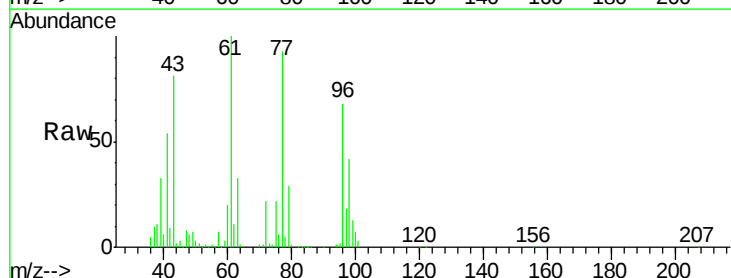
Acq: 16 Sep 2020 12:09

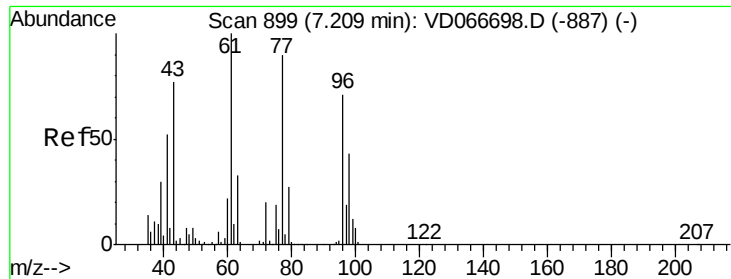
Tgt Ion: 77 Resp: 390426

Ion Ratio Lower Upper

77 100

97 21.7 10.6 31.8





#27

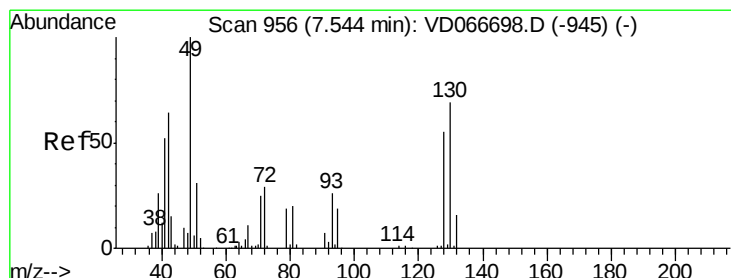
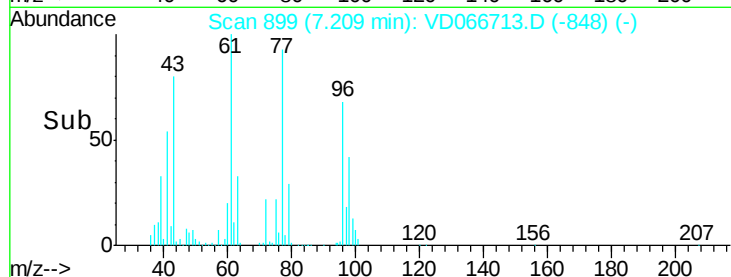
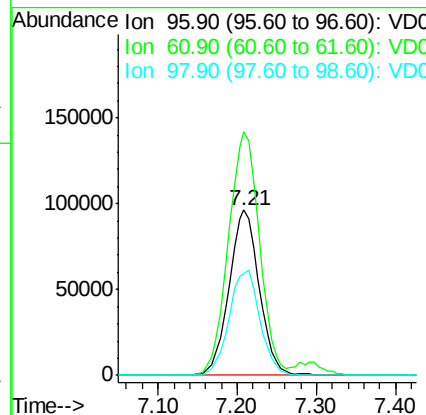
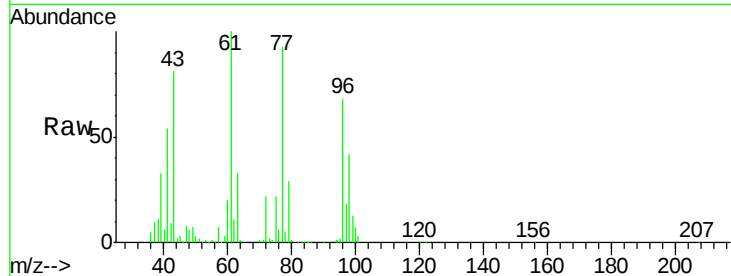
cis-1,2-Dichloroethene
Concen: 43.933 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	252600		
61	151.8	0.0	292.4	
98	65.2	0.0	127.0	

Manual Integrations
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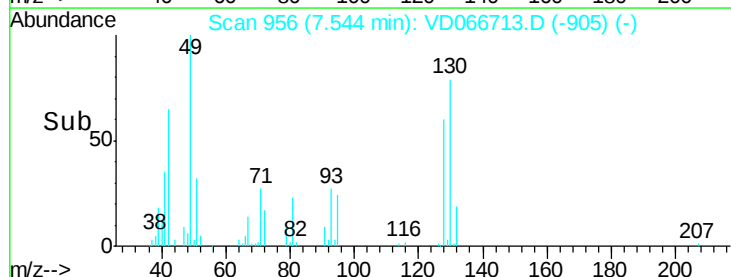
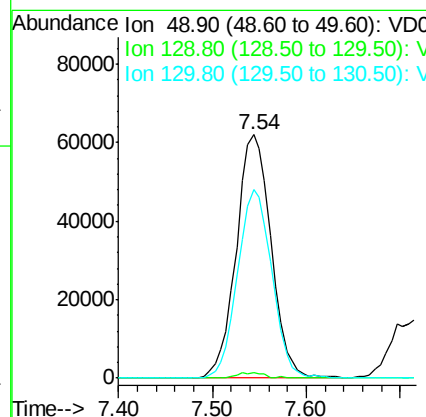
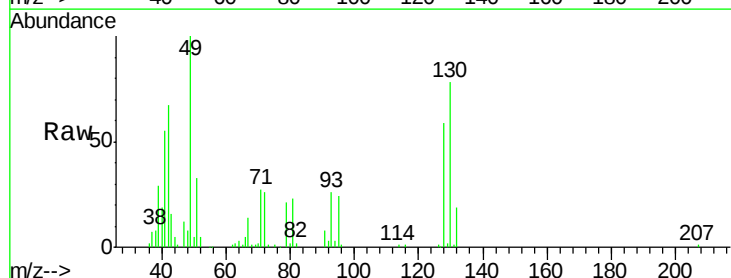
MMDadoda
9/17/2020 1:05:01 PM

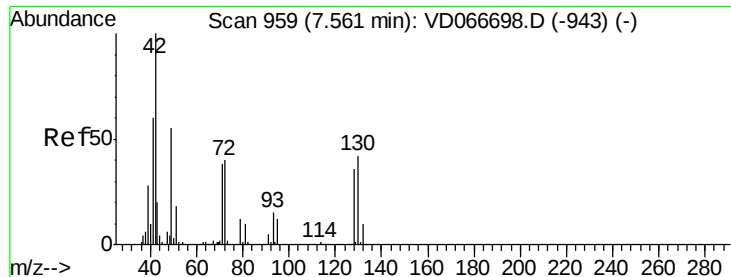


#28

Bromochloromethane
Concen: 45.802 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	159805		
129	1.8	0.0	3.8	
130	76.1	58.6	88.0	





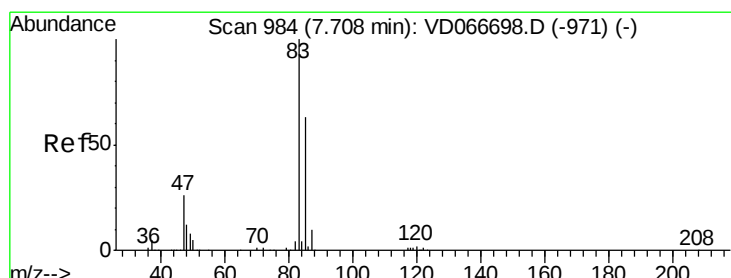
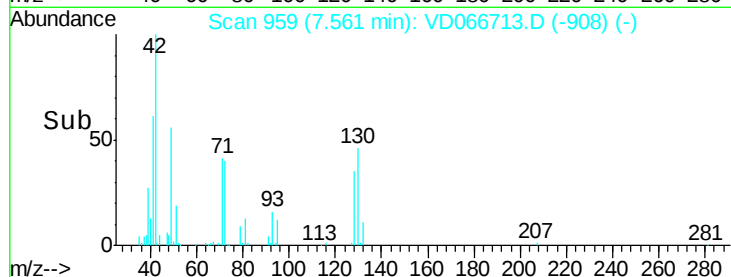
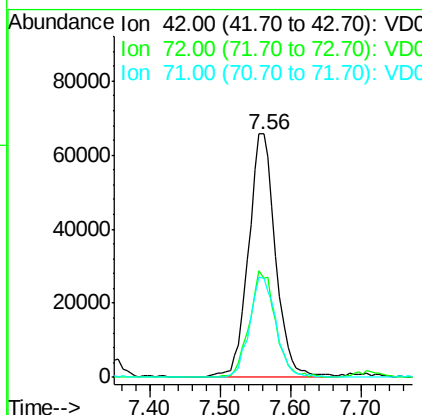
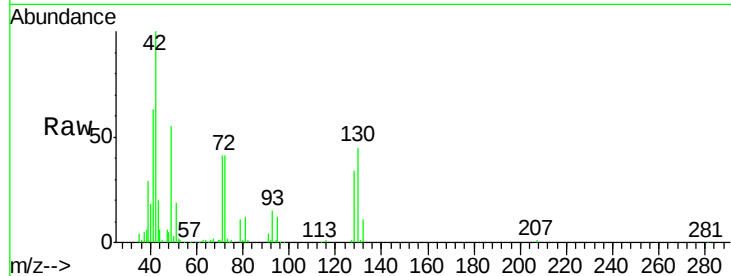
#29
Tetrahydrofuran
Concen: 225.812 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.6	48.8
71	40.1	30.6	45.8

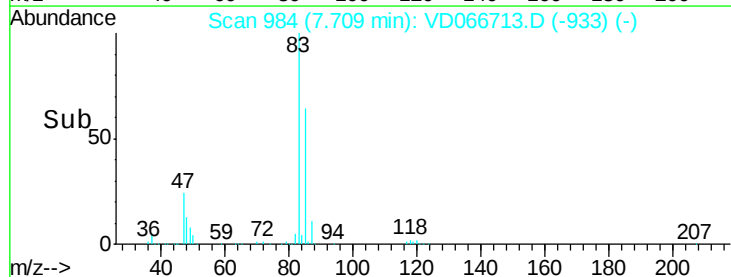
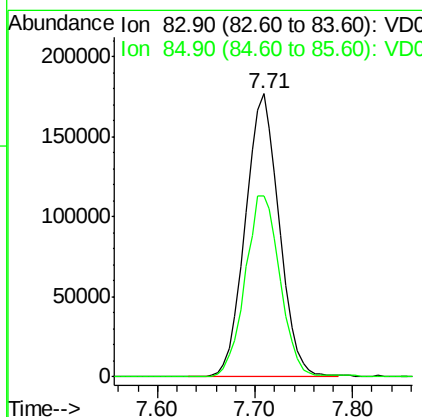
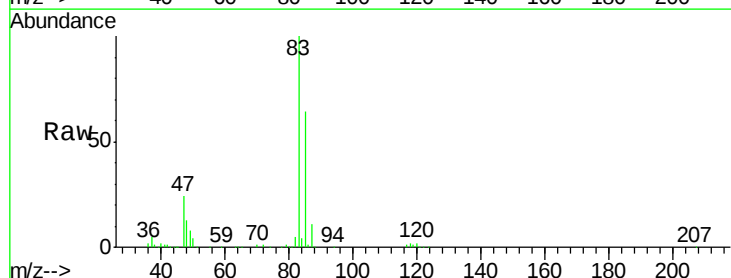
Manual Integrations
APPROVED

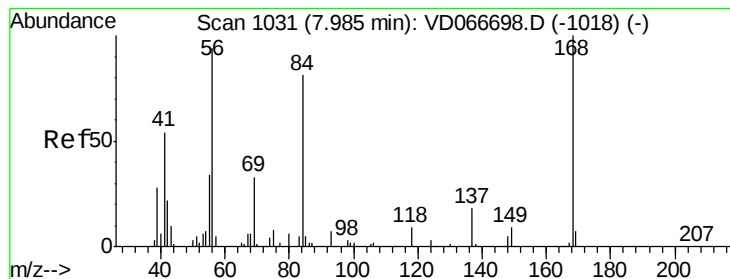
MMDadoda
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#30
Chloroform
Concen: 43.271 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.6	76.0





#31

Cvclohexane

Concen: 45.457 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

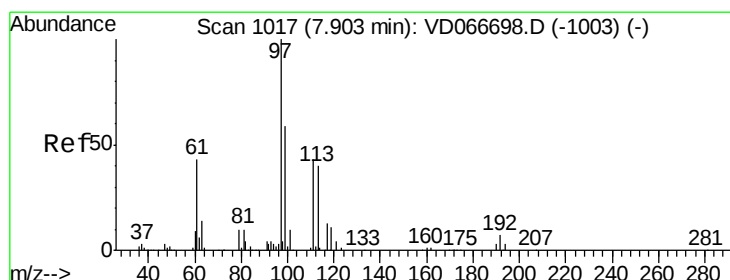
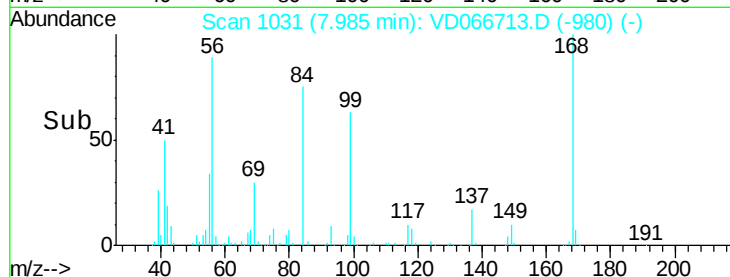
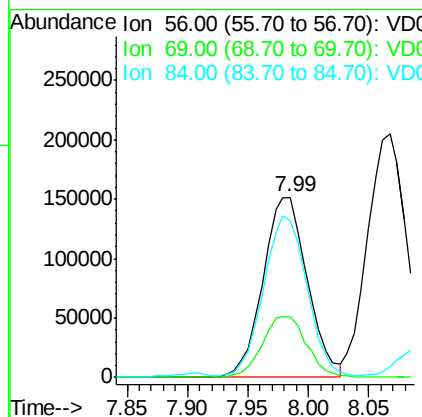
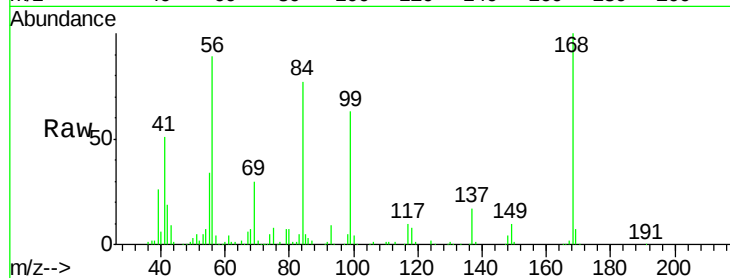
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	386231
Ion Ratio	Lower	Upper	
56	100		
69	33.5	27.7	41.5
84	85.0	68.5	102.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.365 ug/l

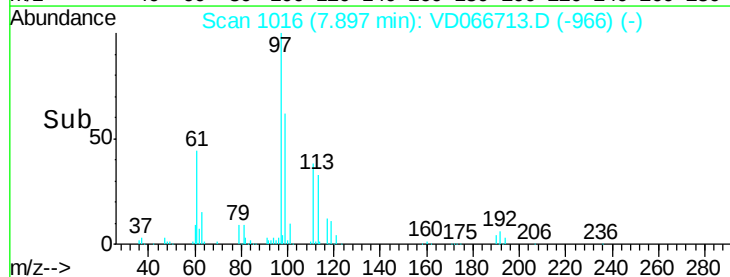
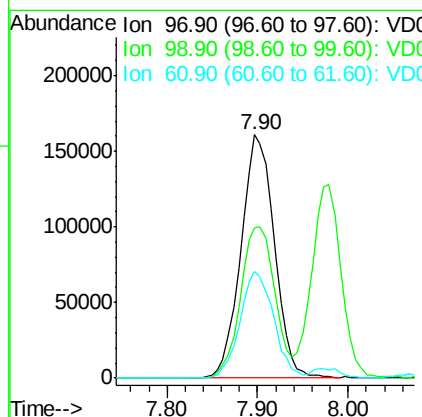
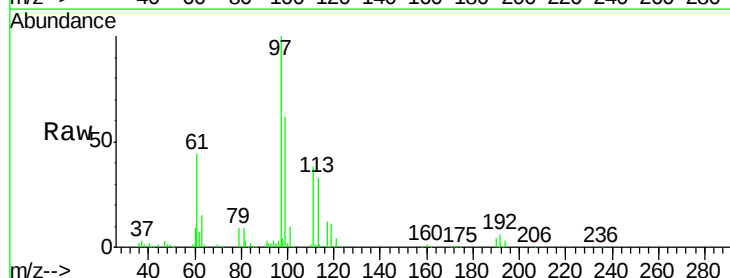
RT: 7.90 min Scan# 1016

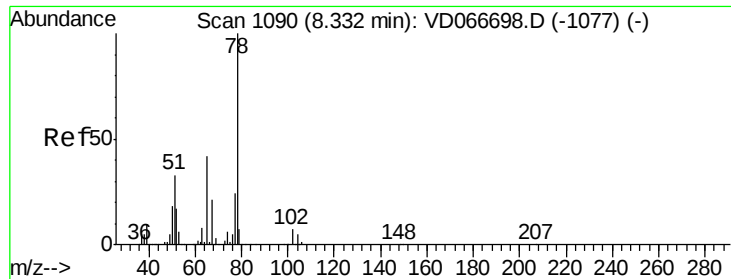
Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Tgt Ion:	97	Resp:	412695
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.0	76.4
61	43.8	35.2	52.8





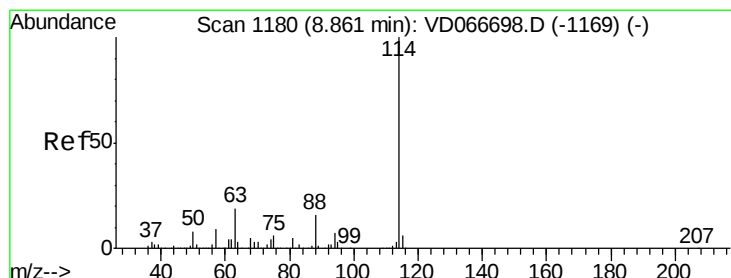
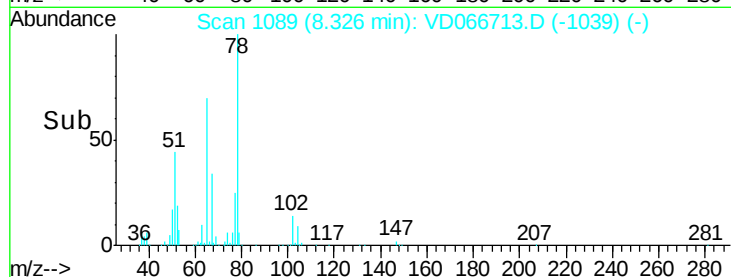
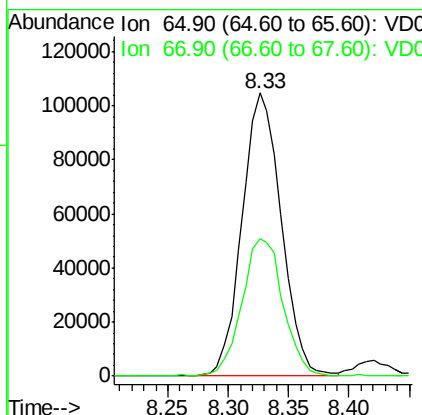
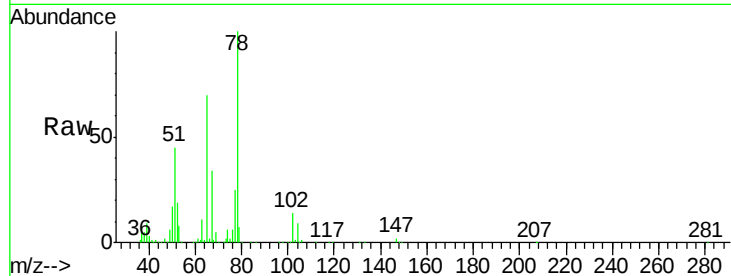
#33
 1,2-Dichloroethane-d4
 Concen: 49.233 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.7	0.0	102.2	

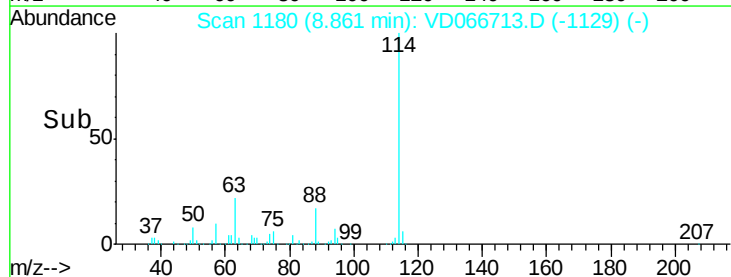
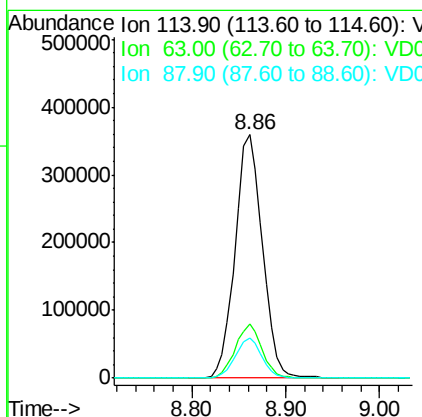
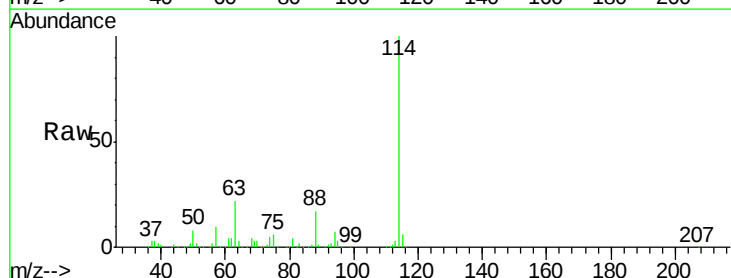
Manual Integrations
 APPROVED

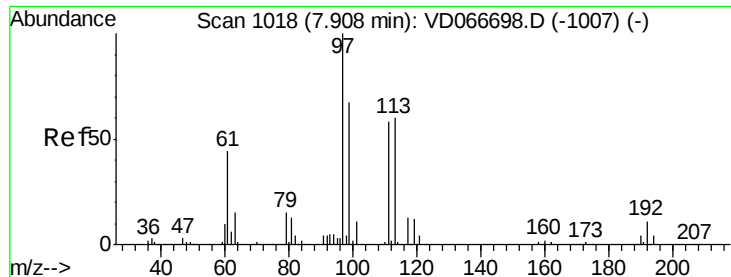
MMDadoda
 9/17/2020 1:05:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3	0.0	37.6	
88	16.7	0.0	32.2	





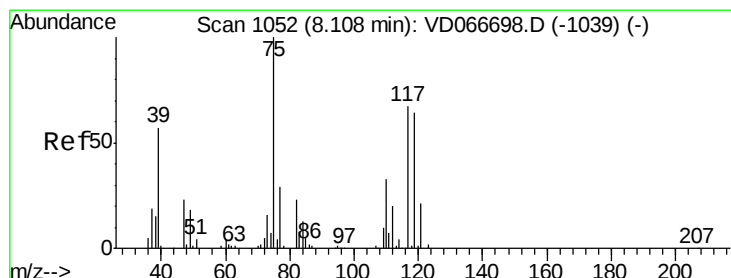
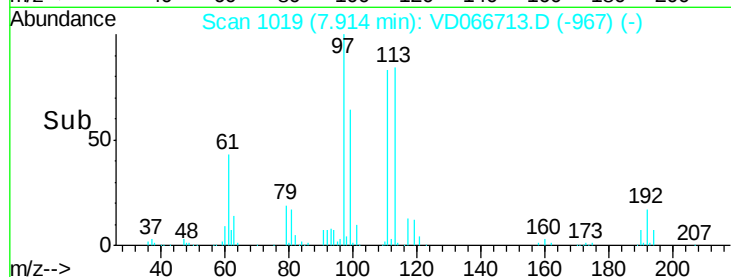
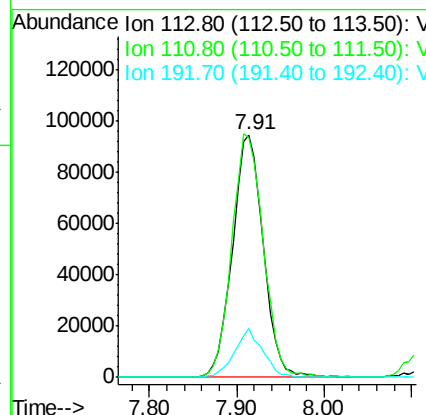
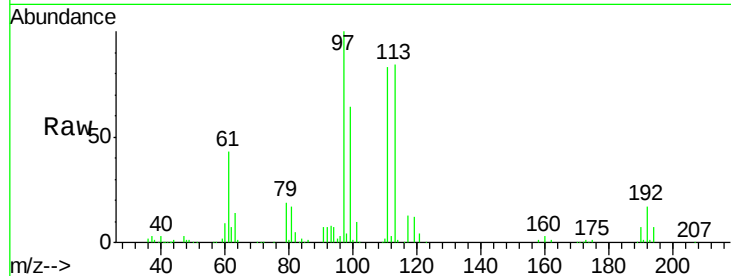
#35
 Dibromofluoromethane
 Concen: 50.687 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225586		
111	102.9	83.2	124.8	
192	18.1	14.8	22.2	

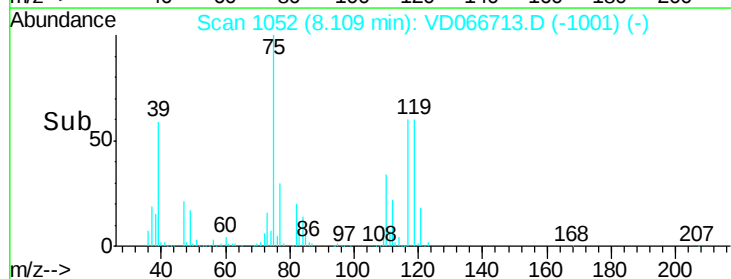
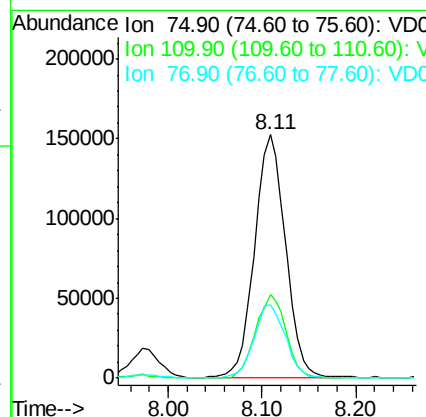
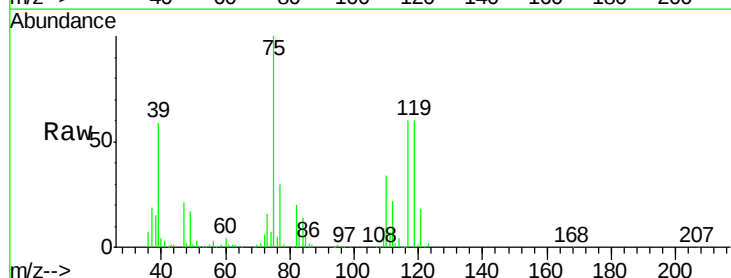
Manual Integrations
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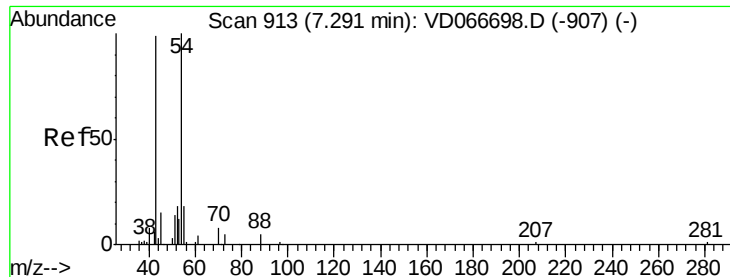
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 9/17/2020 1:05:01 PM



#36
 1,1-Dichloropropene
 Concen: 46.435 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	346561		
110	33.9	17.1	51.2	
77	31.1	25.0	37.6	





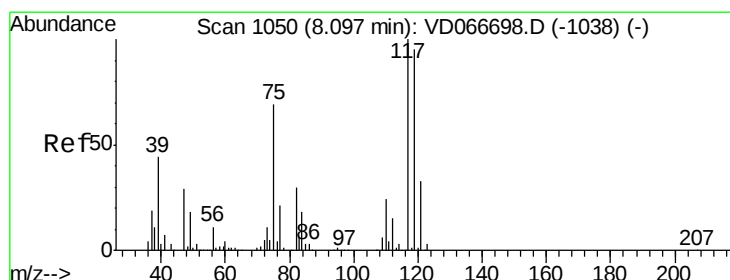
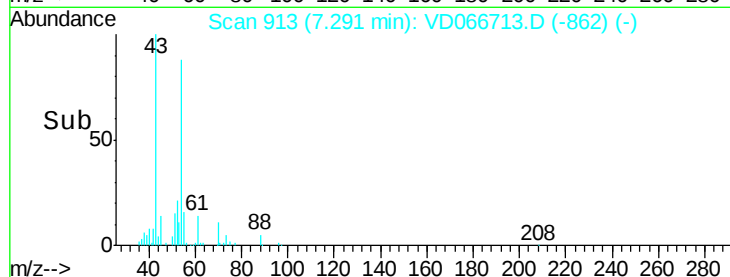
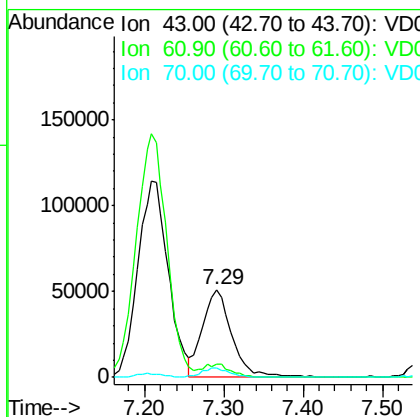
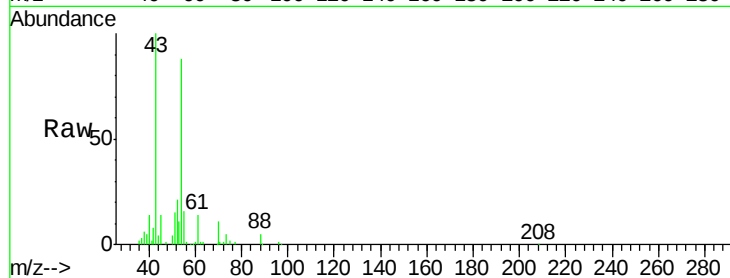
#37
Ethyl Acetate
Concen: 45.872 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	10.6	7.5	11.3

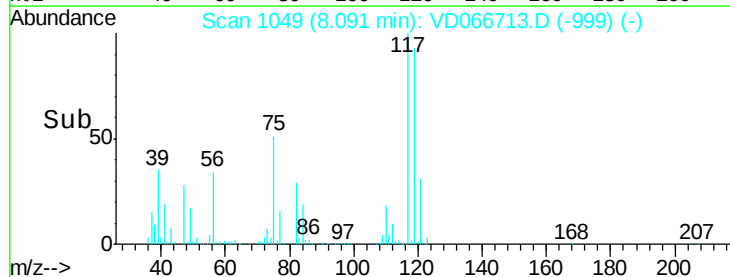
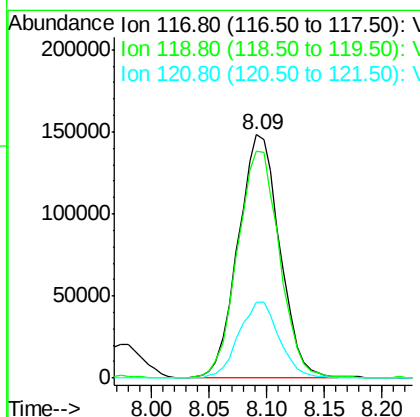
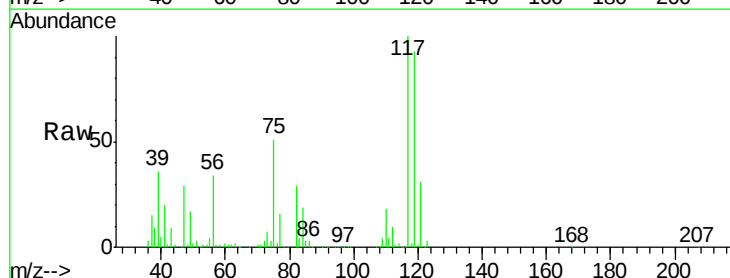
Manual Integrations
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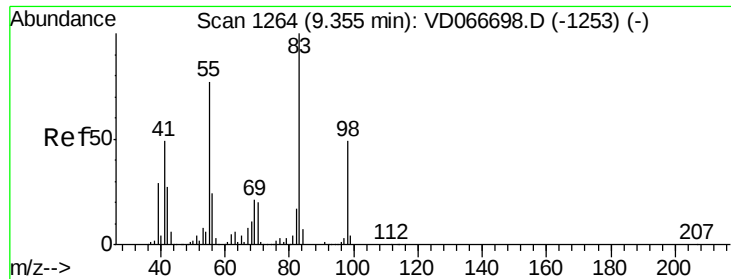
MMDadoda
9/17/2020 1:05:01 PM



#38
Carbon Tetrachloride
Concen: 46.572 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.8	113.6
121	31.3	26.2	39.4





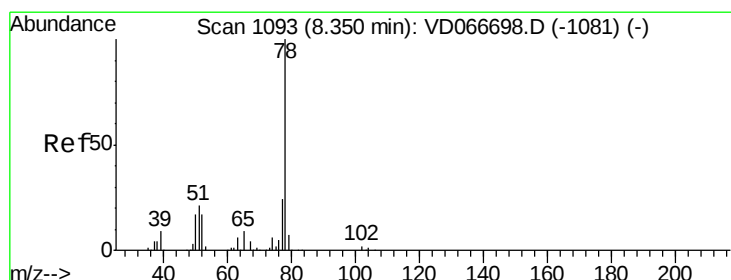
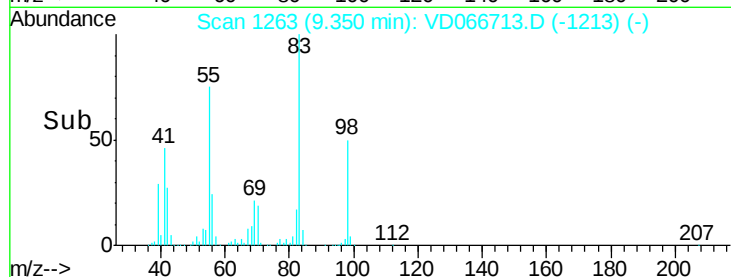
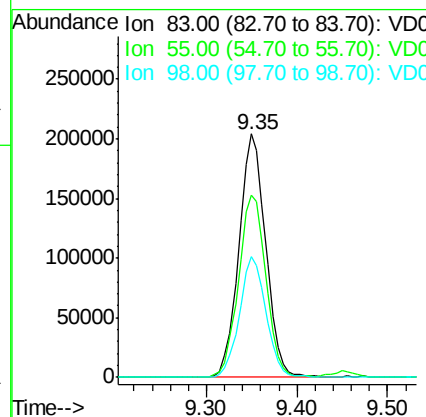
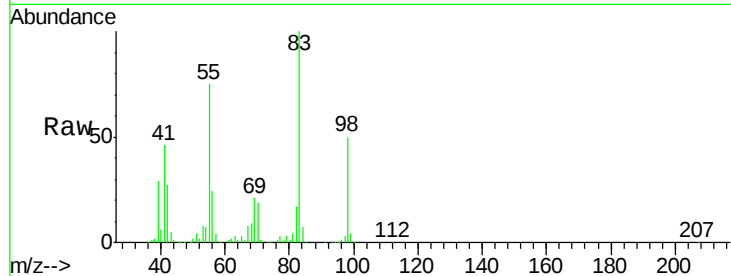
#39
Methvlcvclohexane
Concen: 49.159 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.8	61.5	92.3	
98	49.7	39.3	58.9	

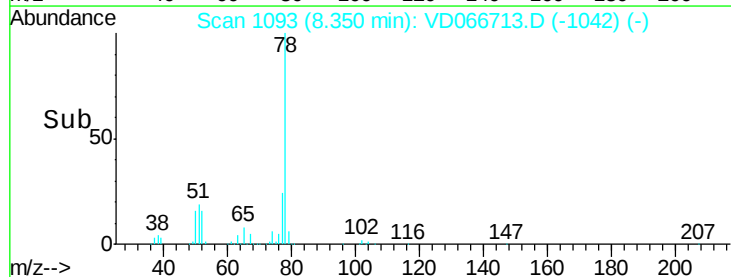
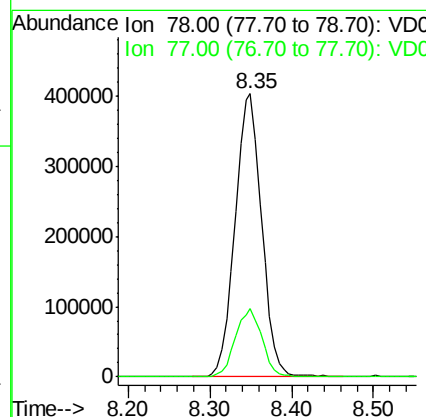
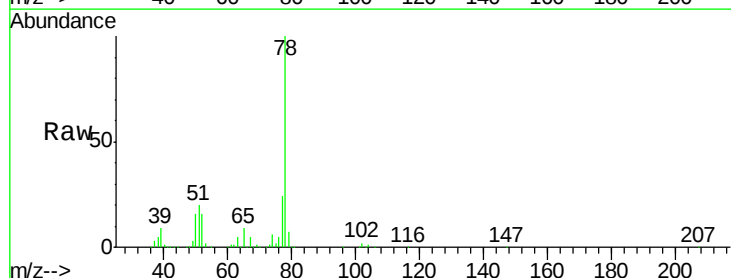
Manual Integrations
APPROVED

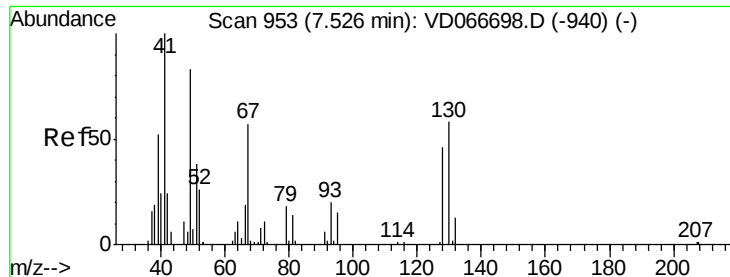
MMDadoda
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#40
Benzene
Concen: 45.107 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	19.3	28.9	





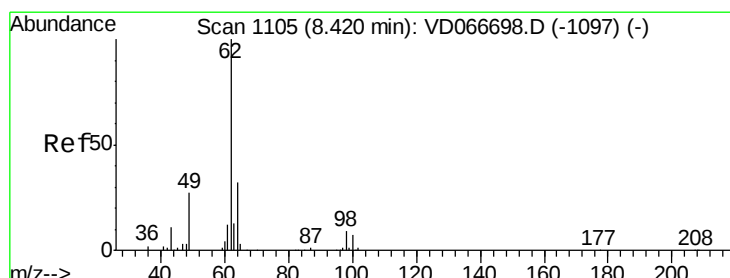
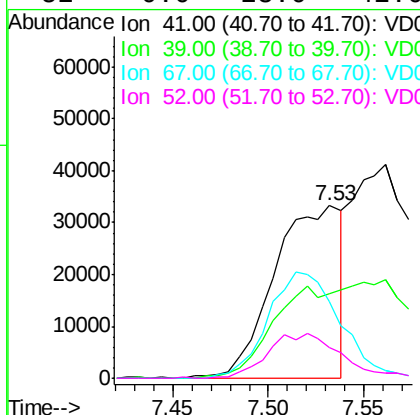
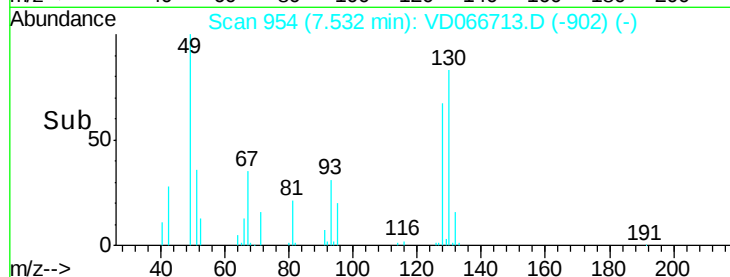
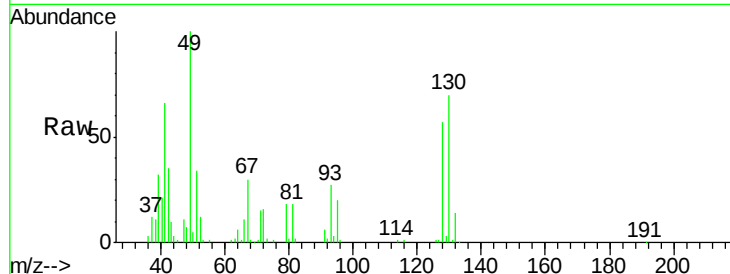
#41
Methacrylonitrile
Concen: 54.851 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	59.3	88.9#
67	0.0	62.3	93.5#
52	0.0	28.0	42.0#

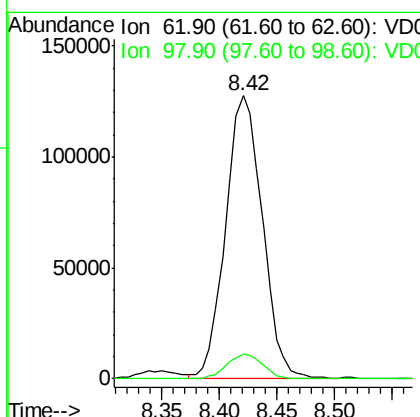
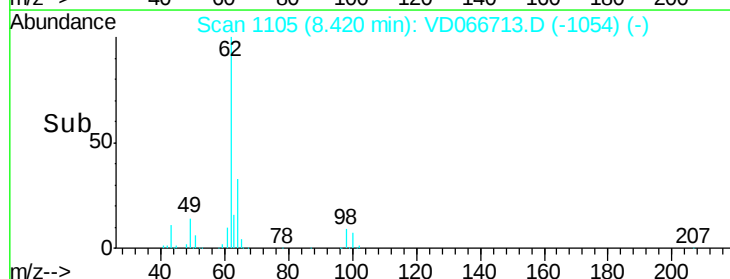
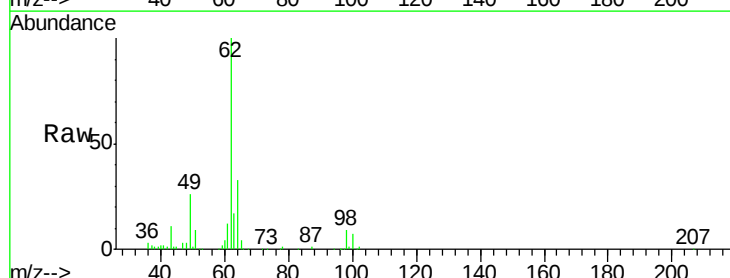
Manual Integrations
APPROVED

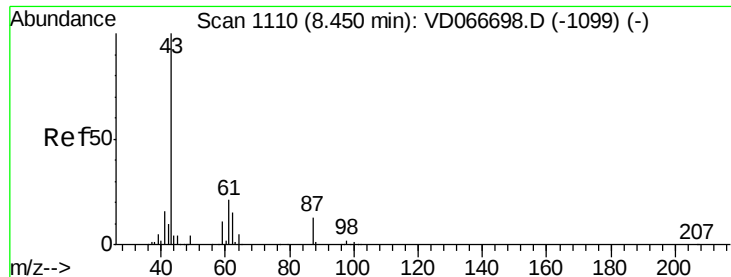
MMDadoda
9/17/2020 1:05:01 PM



#42
1,2-Dichloroethane
Concen: 44.892 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 45.742 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

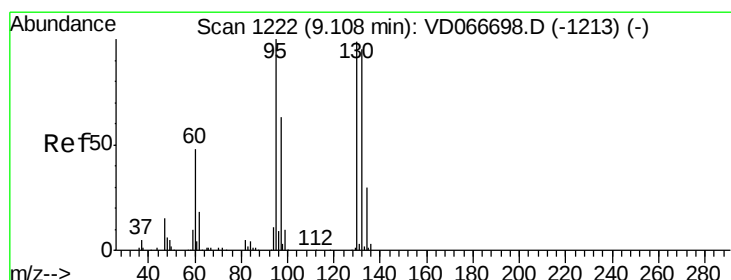
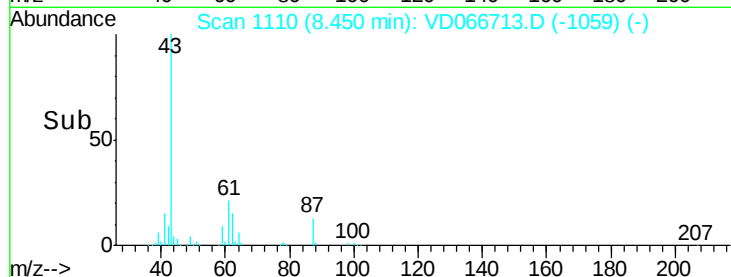
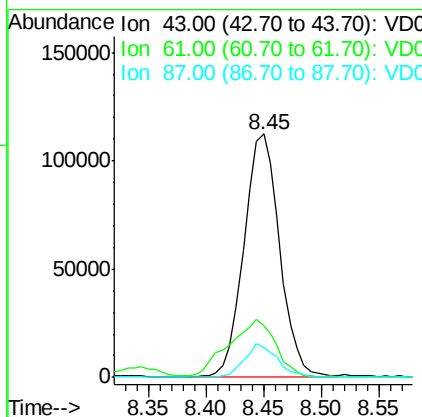
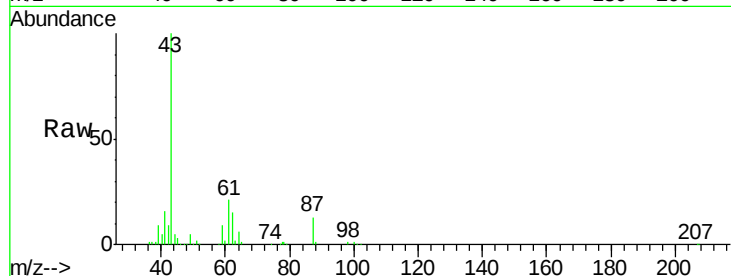
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	243265
Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.8	37.2
87	12.7	10.4	15.6

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#44

Trichloroethene

Concen: 45.615 ug/l

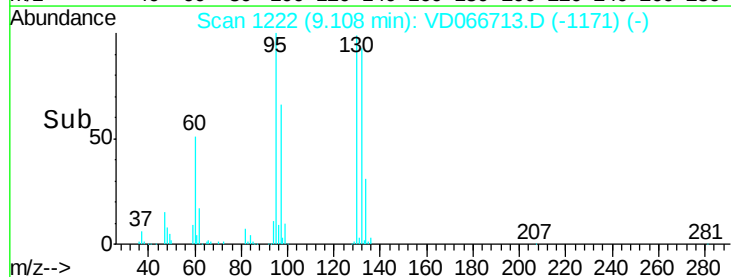
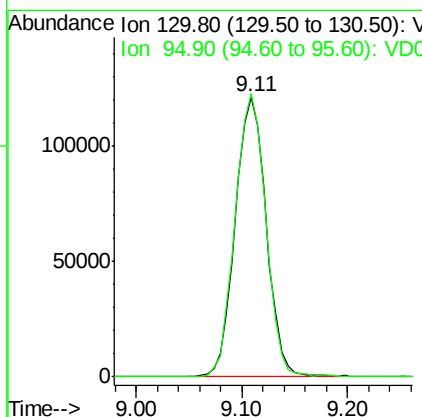
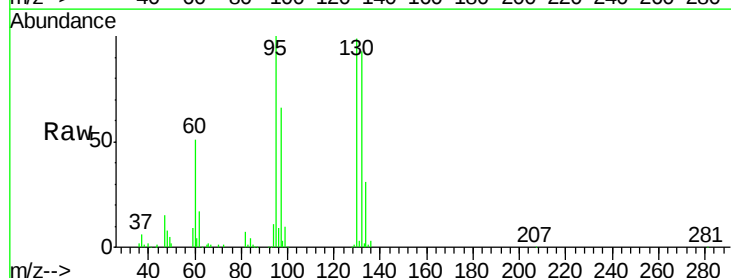
RT: 9.11 min Scan# 1222

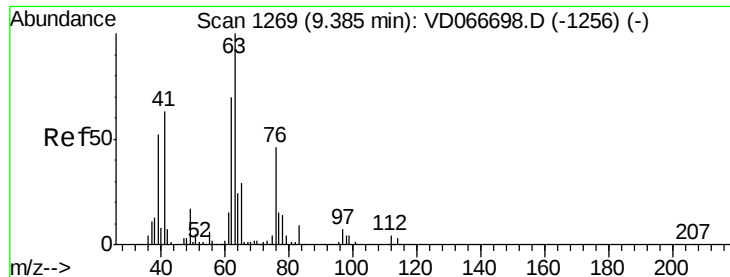
Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Tgt Ion:	130	Resp:	246261
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	201.4





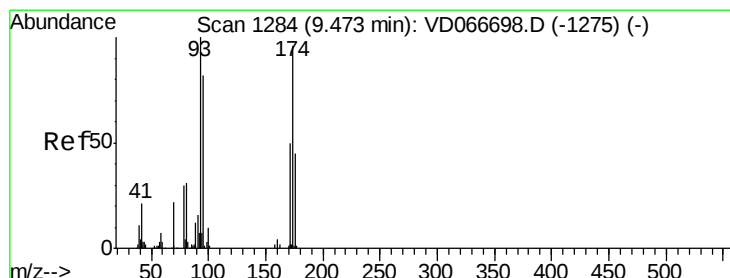
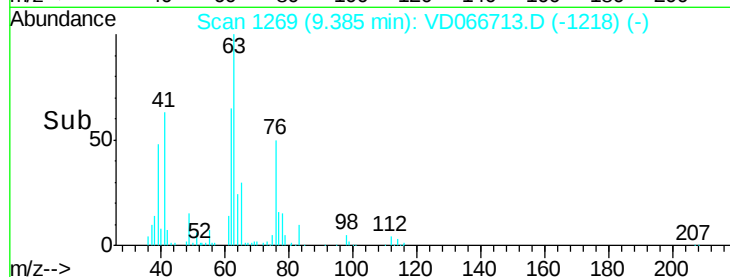
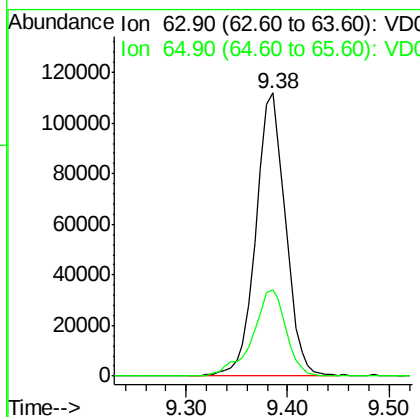
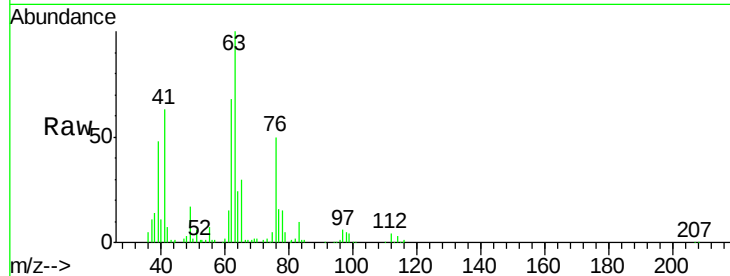
#45
 1,2-Dichloropropane
 Concen: 45.405 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 226648
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.4 35.0

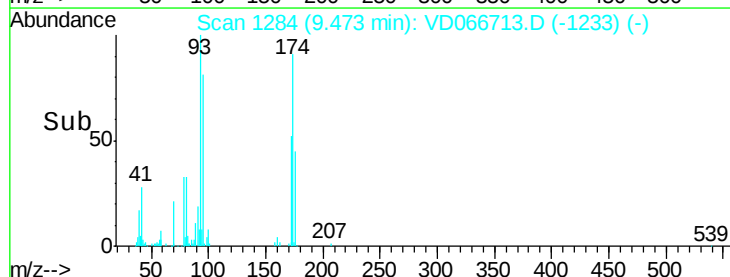
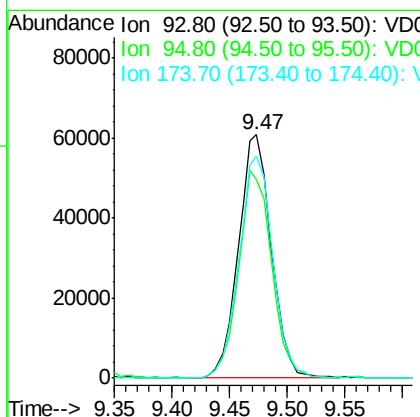
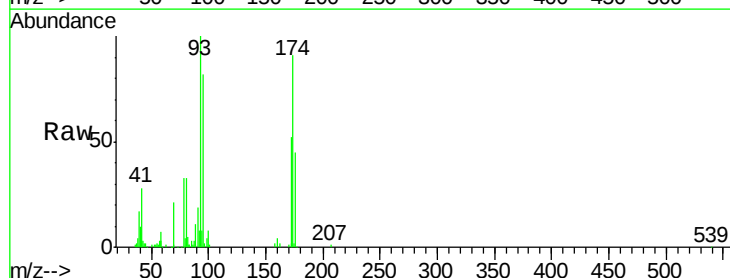
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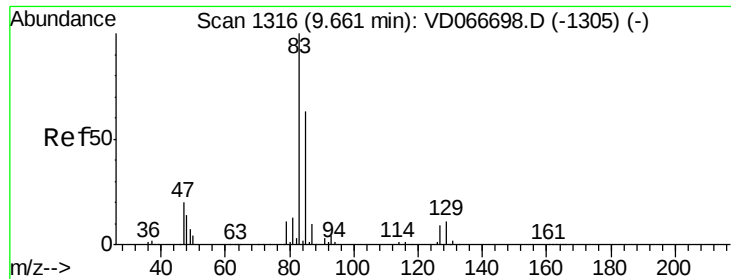
MMDadoda
 9/17/2020 1:05:01 PM



#46
 Dibromomethane
 Concen: 43.930 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion: 93 Resp: 120499
 Ion Ratio Lower Upper
 93 100
 95 85.6 66.0 99.0
 174 93.6 72.3 108.5





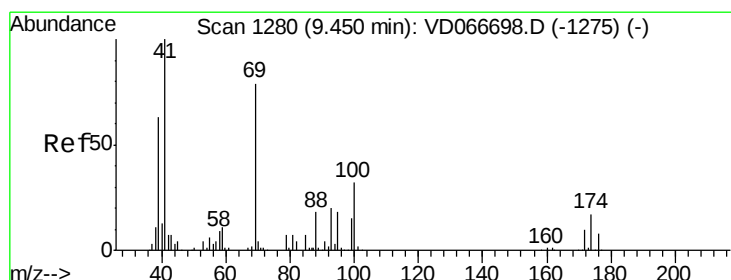
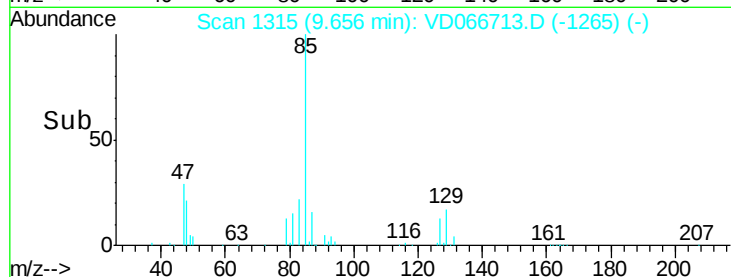
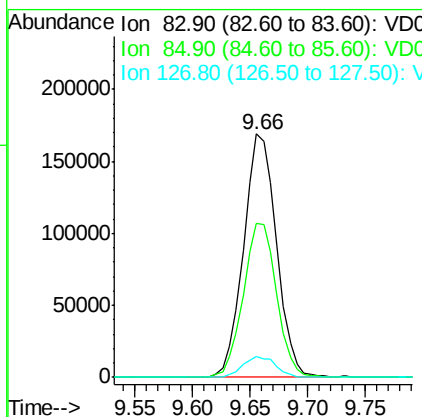
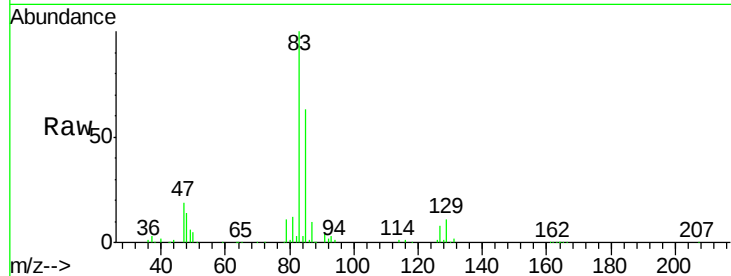
#47
Bromodichloromethane
Concen: 44.938 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.5	50.1	75.1	
127	8.5	6.9	10.3	

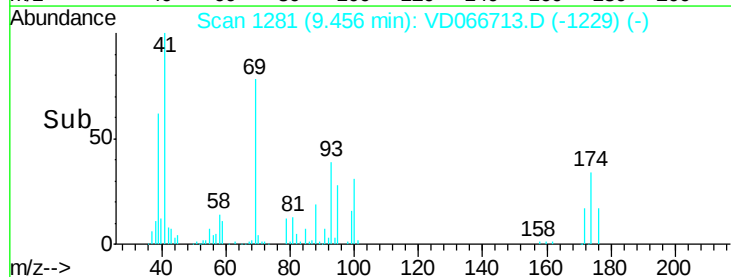
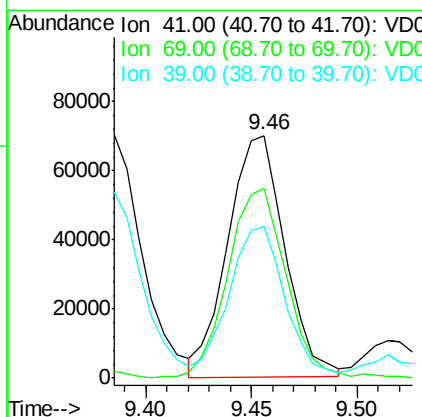
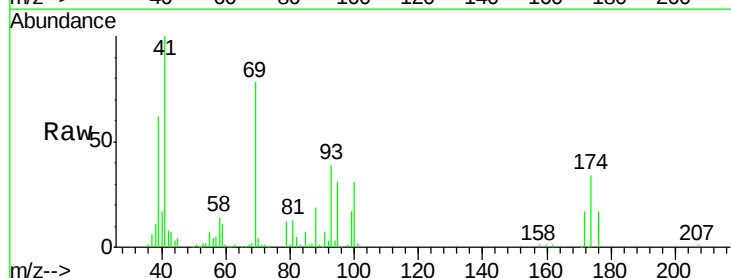
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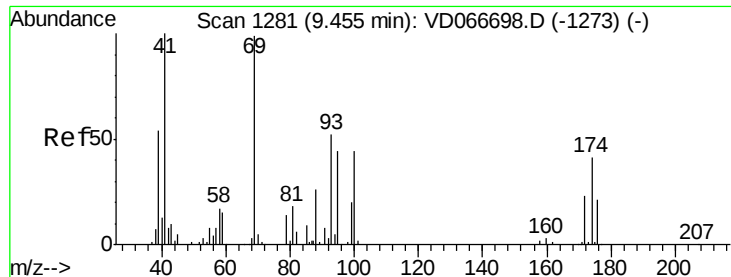
MMDadoda
9/17/2020 1:05:01 PM



#48
Methyl methacrylate
Concen: 48.369 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	79.6	62.4	93.6	
39	56.8	44.8	67.2	





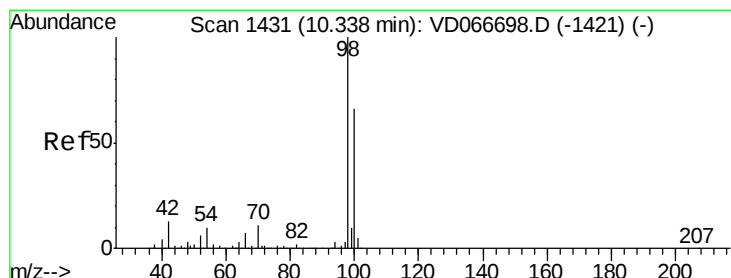
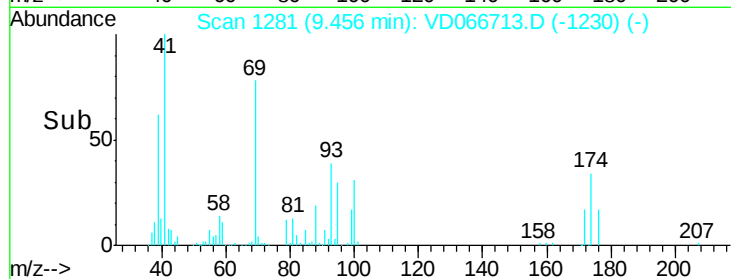
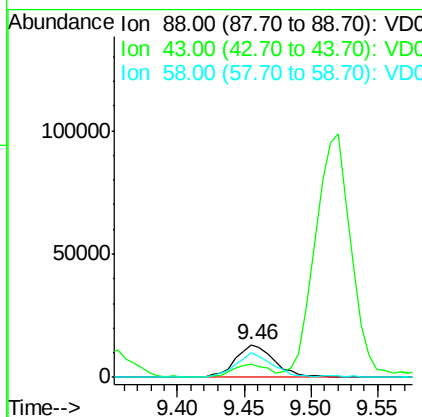
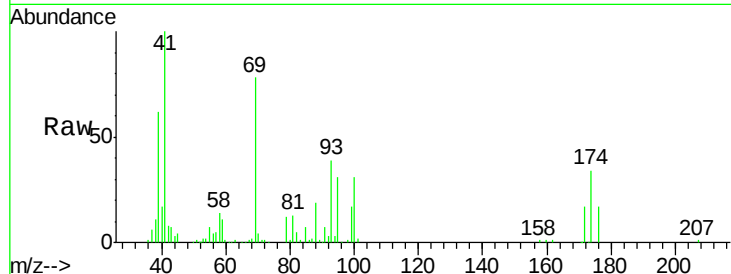
#49
1,4-Dioxane
Concen: 913.906 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	26853		
43	33.3	29.3	43.9	
58	71.2	51.4	77.2	

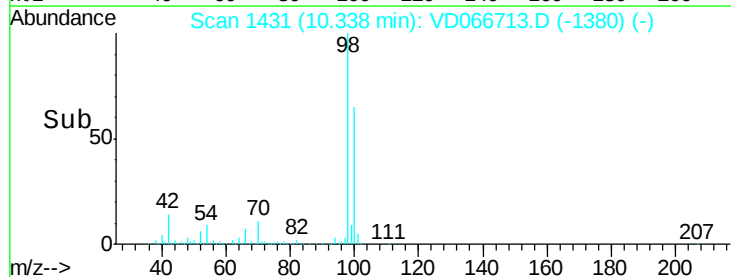
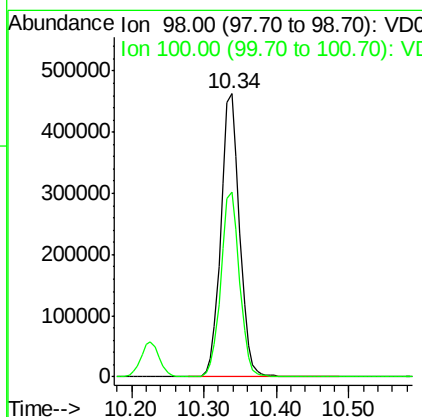
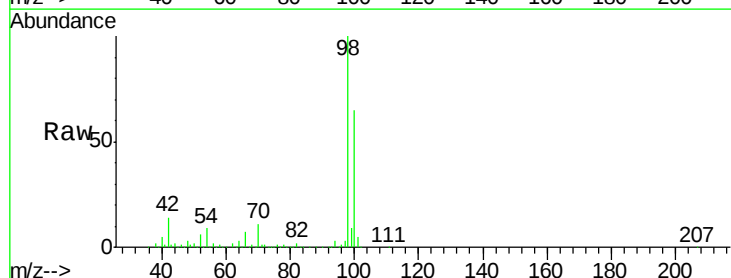
Manual Integrations
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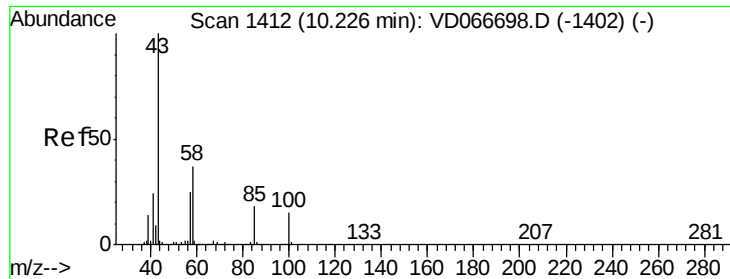
MMDadoda
9/17/2020 1:05:01 PM



#50
Toluene-d8
Concen: 52.215 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	827936		
100	65.2	52.7	79.1	





#51

4-Methyl-2-Pentanone

Concen: 232.155 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 635632

Ion Ratio Lower Upper

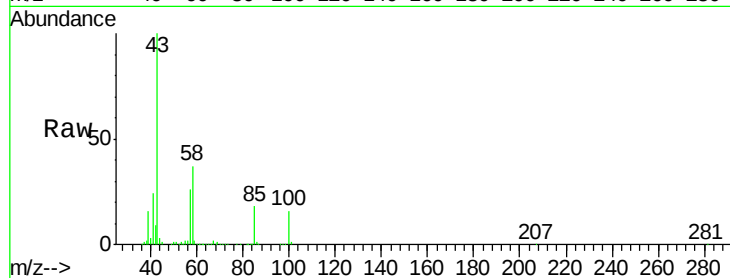
43 100

58 38.3 30.4 45.6

Manual Integrations
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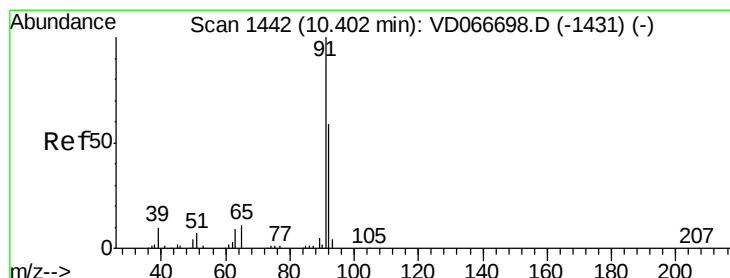
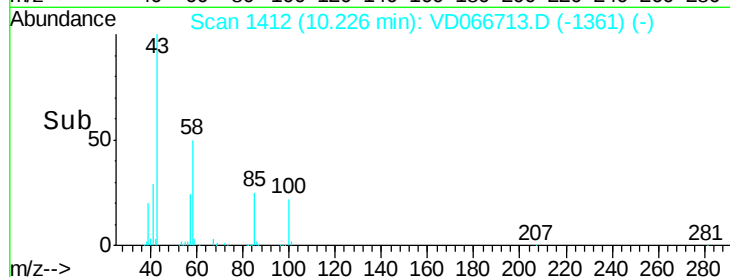
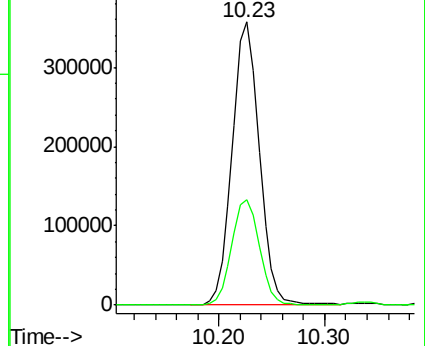
MMDadoda

9/17/2020 1:05:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 45.779 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066713.D

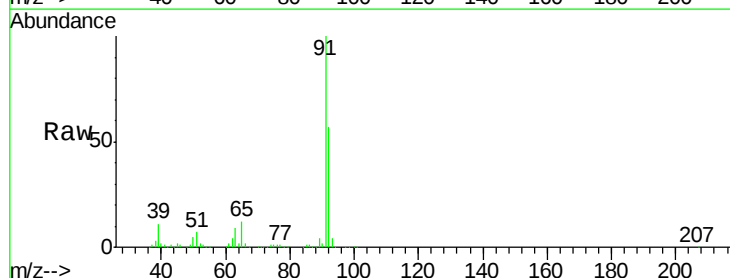
Acq: 16 Sep 2020 12:09

Tgt Ion: 92 Resp: 592152

Ion Ratio Lower Upper

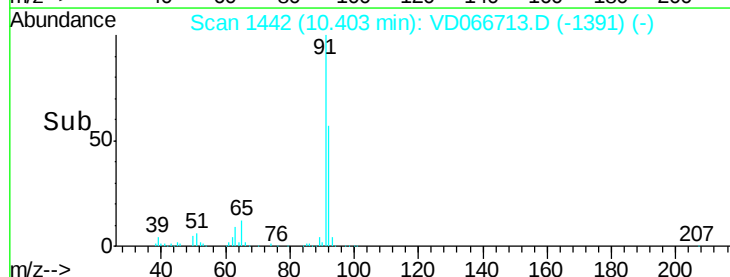
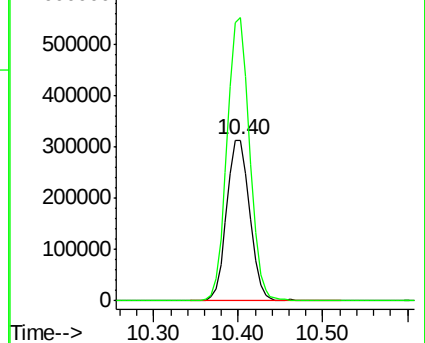
92 100

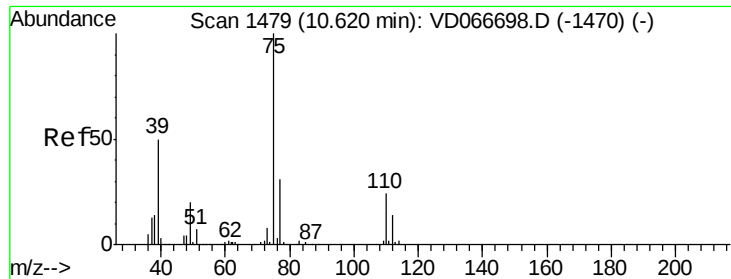
91 171.5 135.8 203.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





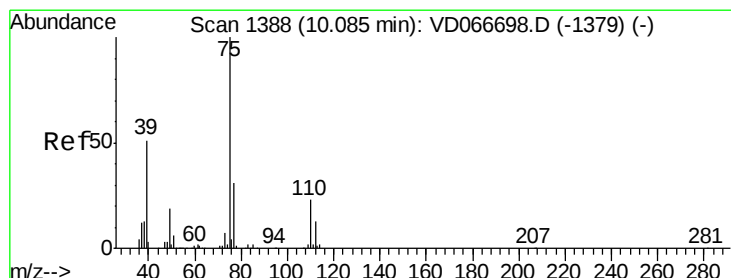
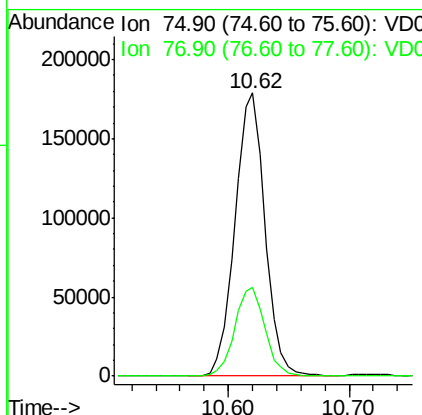
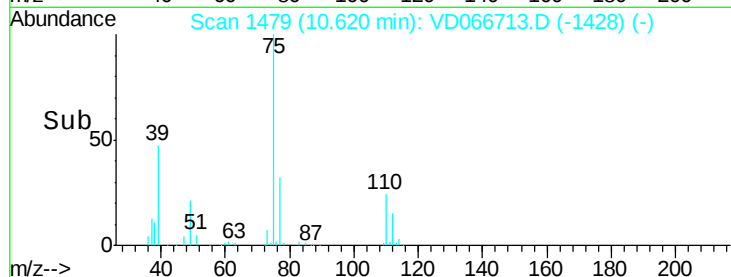
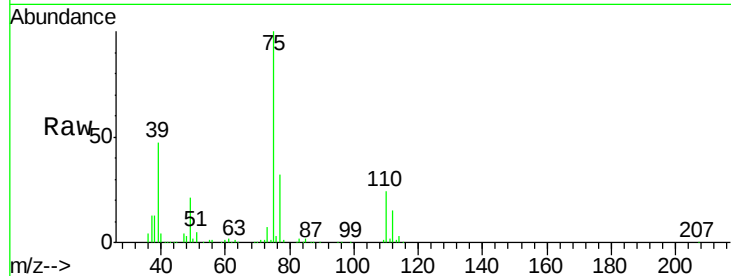
#53
t-1,3-Dichloropropene
Concen: 46.418 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 309935
Ion Ratio Lower Upper
75 100
77 31.6 24.6 36.8

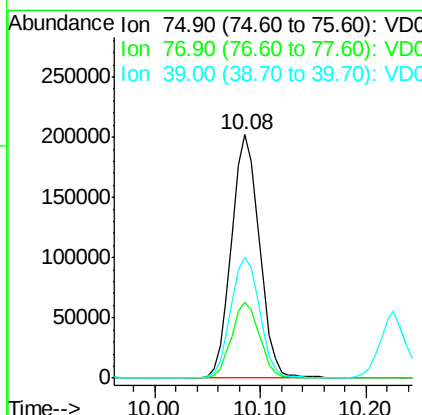
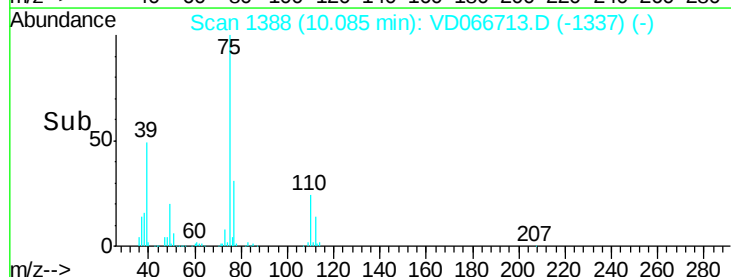
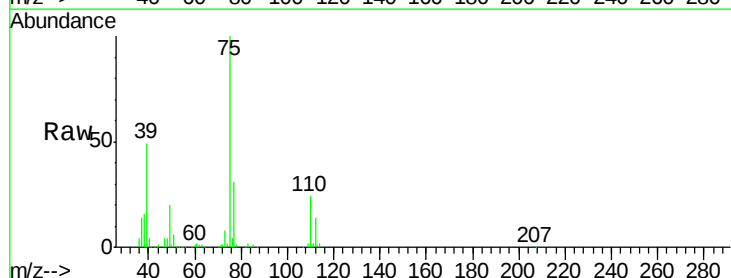
Manual Integrations
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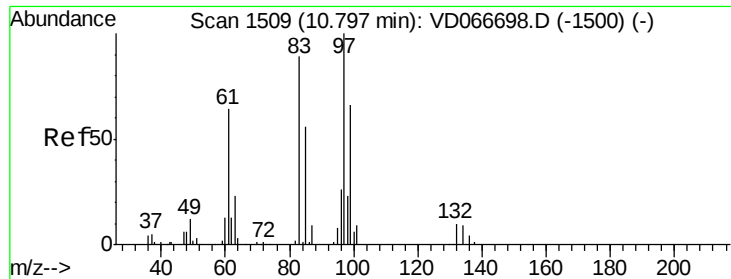
MMDadoda
9/17/2020 1:05:01 PM



#54
cis-1,3-Dichloropropene
Concen: 46.639 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion: 75 Resp: 369883
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 49.4 40.6 61.0





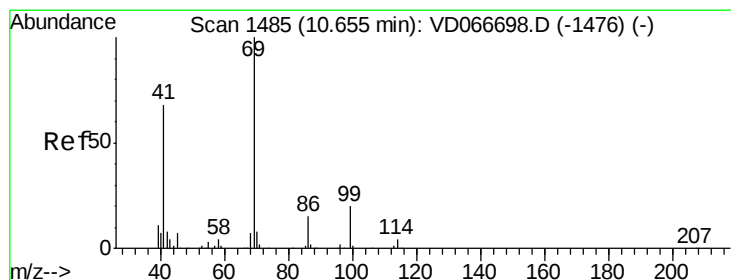
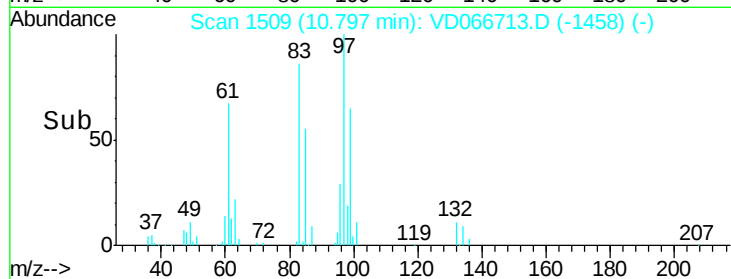
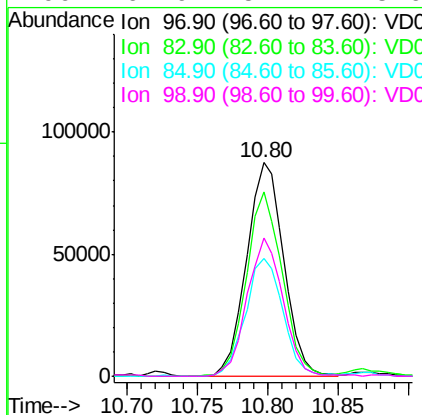
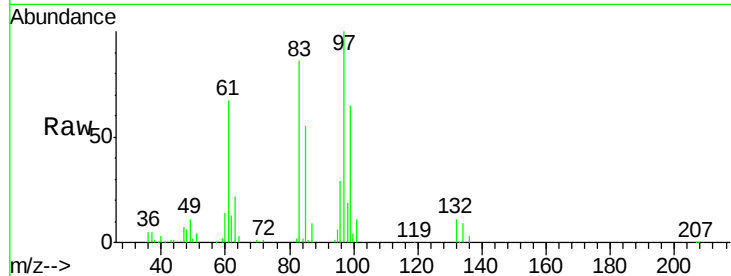
#55
 1,1,2-Trichloroethane
 Concen: 44.720 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	161732
Ion	Ratio	Lower	Upper
97	100		
83	86.1	71.4	107.2
85	55.4	44.7	67.1
99	64.9	52.4	78.6

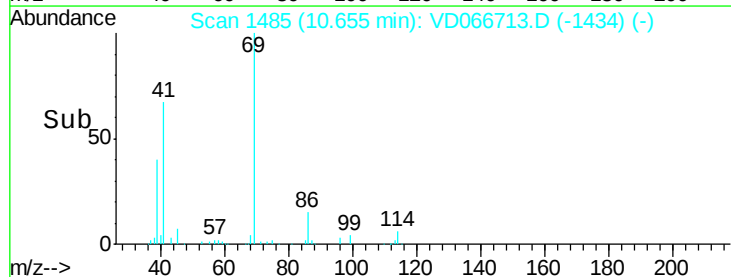
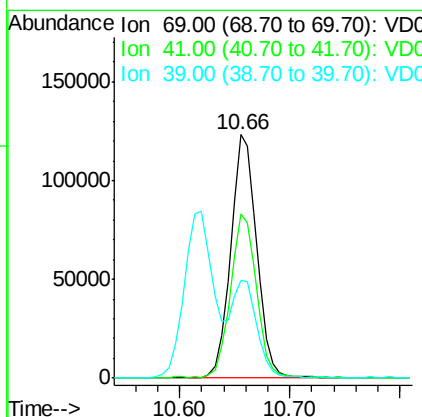
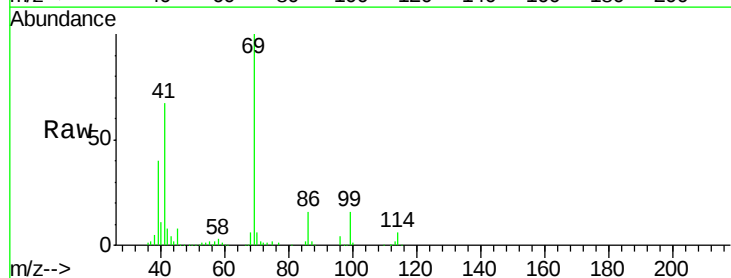
Manual Integrations
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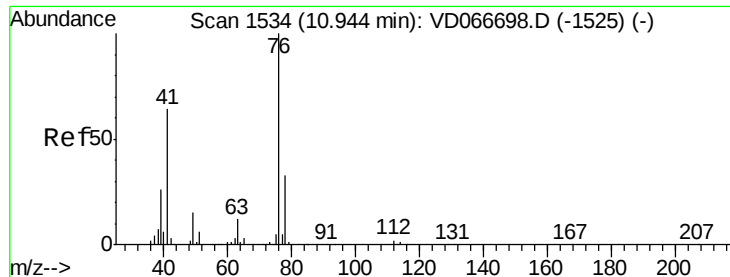
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 9/17/2020 1:05:01 PM



#56
 Ethyl methacrylate
 Concen: 49.575 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion:	69	Resp:	203458
Ion	Ratio	Lower	Upper
69	100		
41	66.8	55.5	83.3
39	36.5	29.7	44.5





#57

1,3-Dichloropropane

Concen: 44.815 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 284426

Ion Ratio Lower Upper

76 100

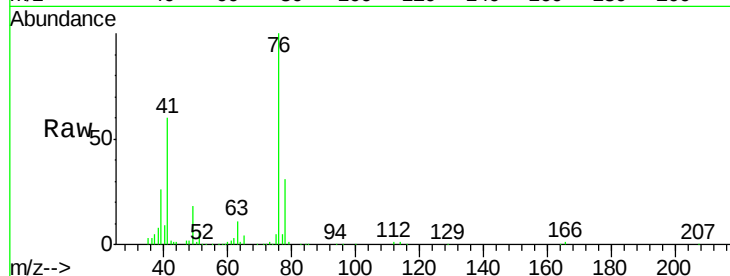
78 31.9 26.2 39.2

Manual Integrations

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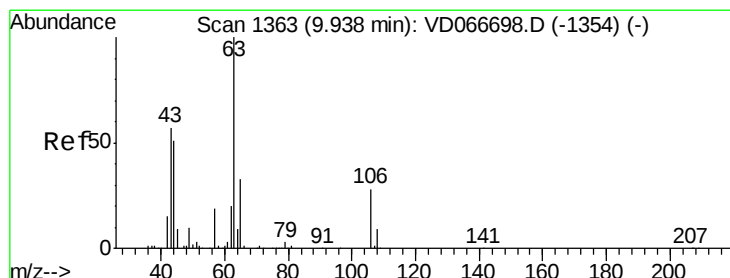
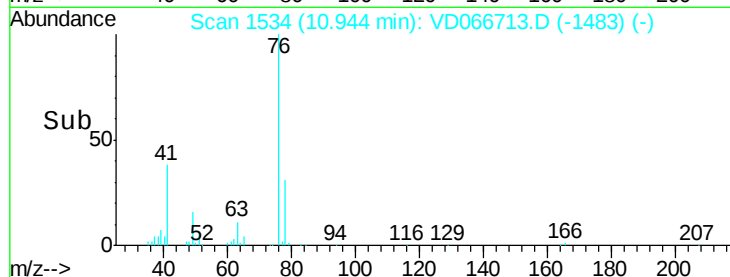
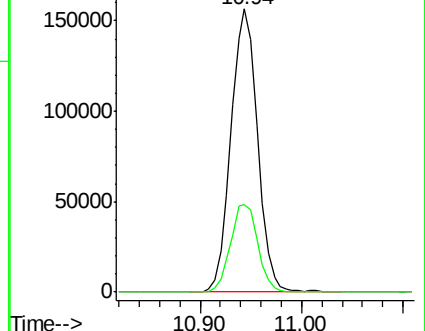
MMDadoda

9/17/2020 1:05:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 249.060 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066713.D

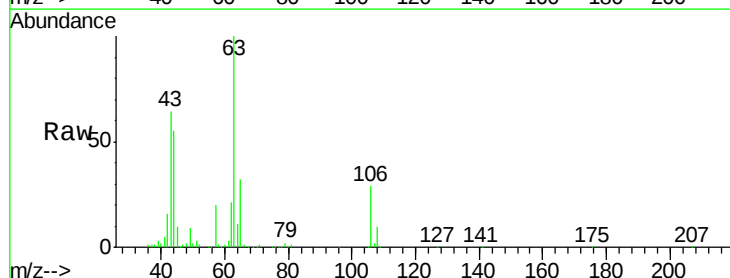
Acq: 16 Sep 2020 12:09

Tgt Ion: 63 Resp: 448923

Ion Ratio Lower Upper

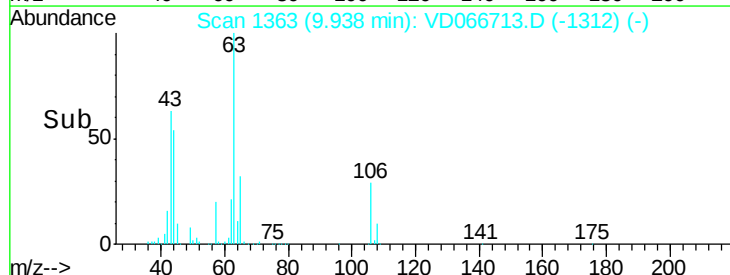
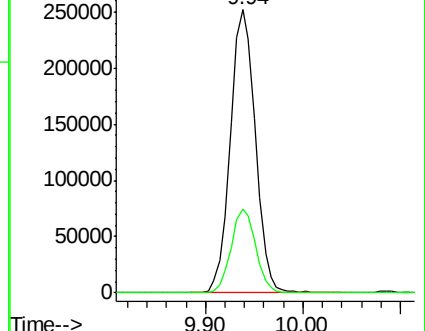
63 100

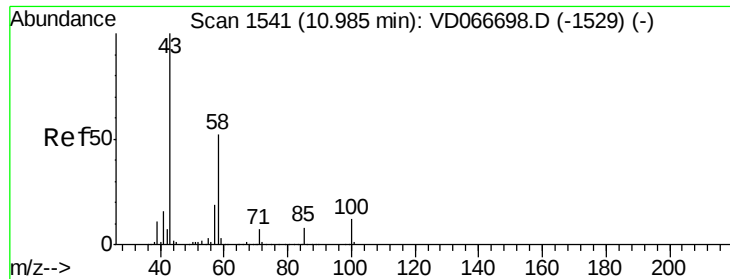
106 29.2 22.2 33.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





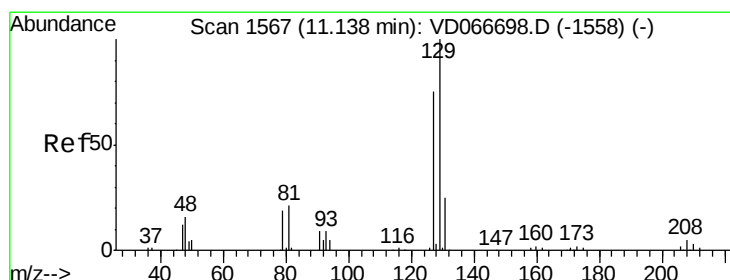
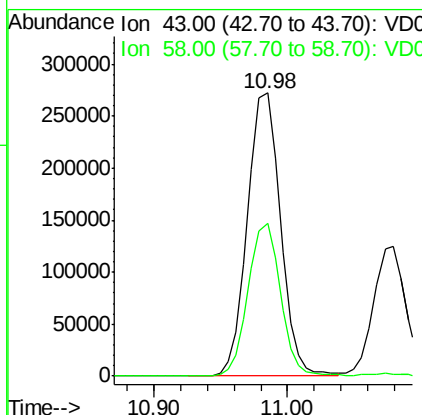
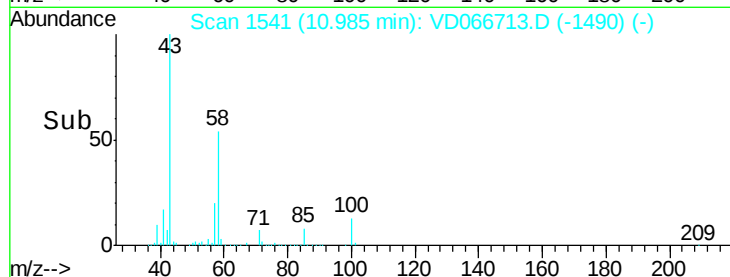
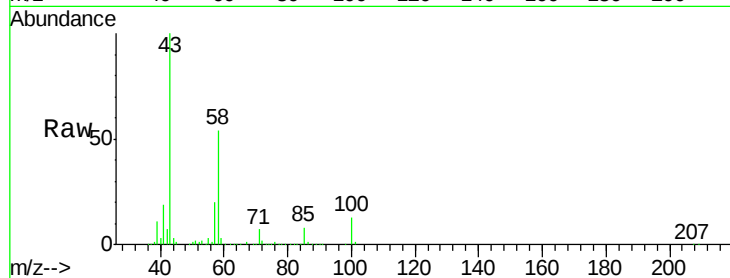
#59
2-Hexanone
Concen: 253.654 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 466642
Ion Ratio Lower Upper
43 100
58 52.9 26.2 78.5

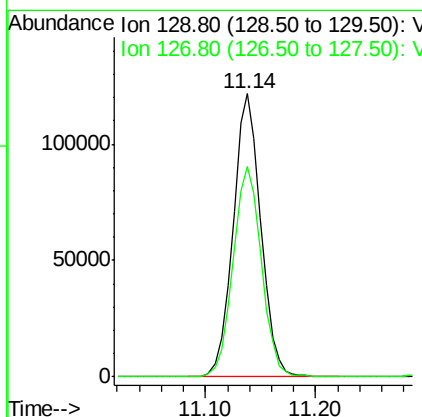
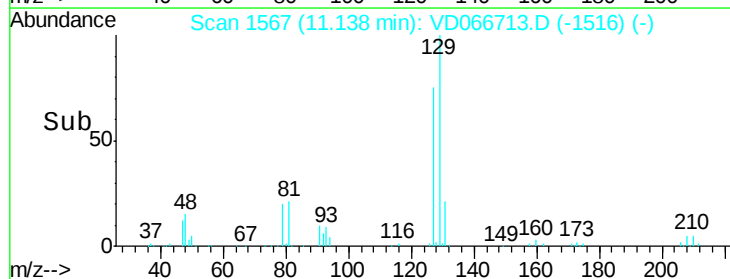
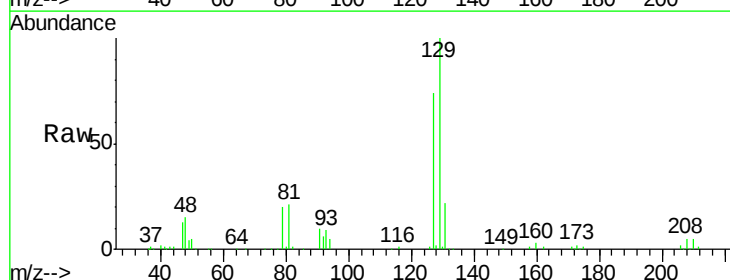
Manual Integrations
APPROVED

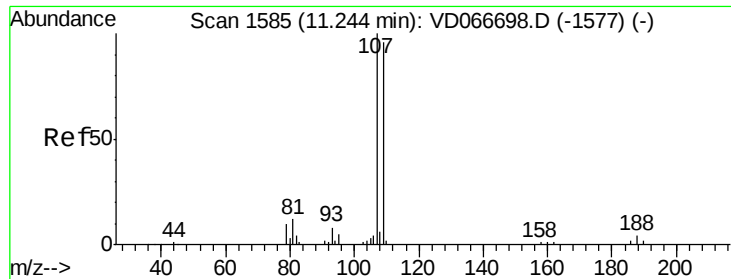
MMDadoda
9/17/2020 1:05:01 PM



#60
Dibromochloromethane
Concen: 45.262 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion:129 Resp: 213288
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.3





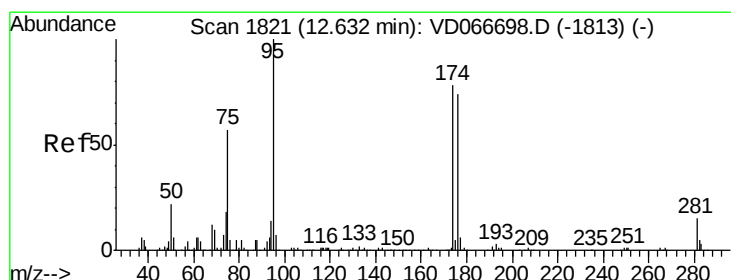
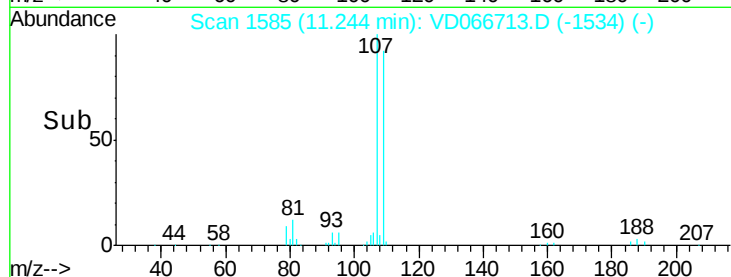
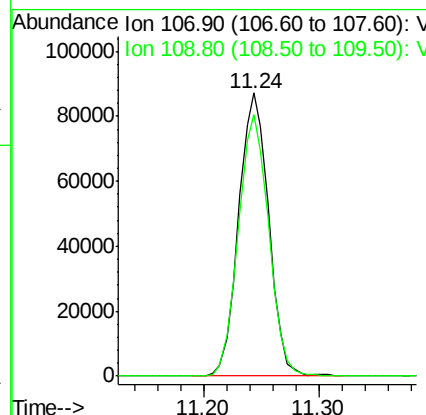
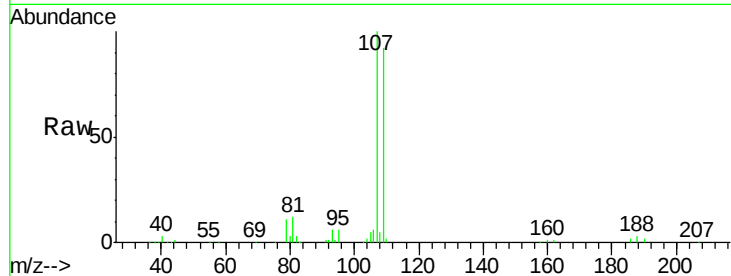
#61
 1,2-Dibromoethane
 Concen: 45.246 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.6	113.4

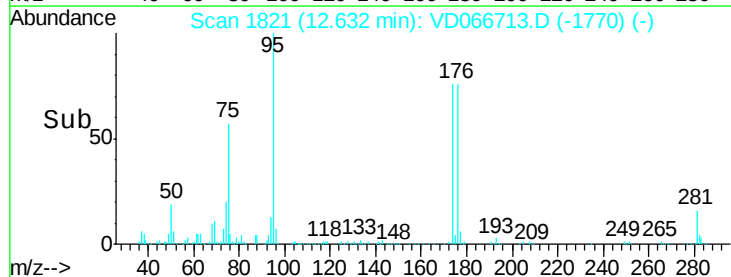
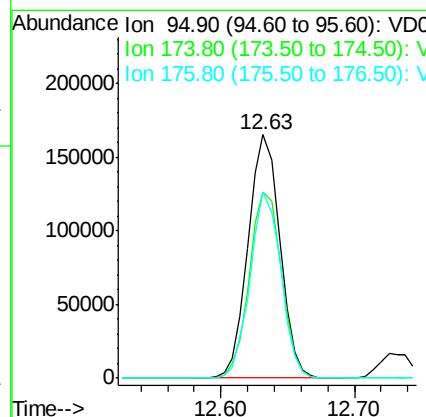
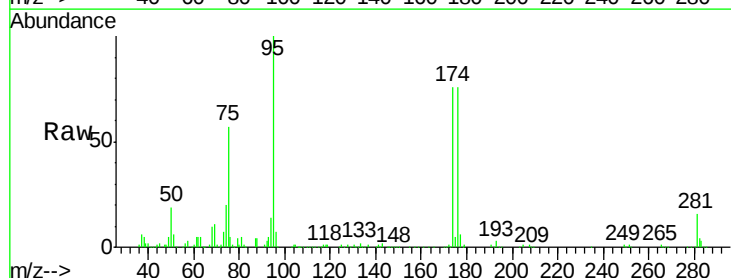
Manual Integrations
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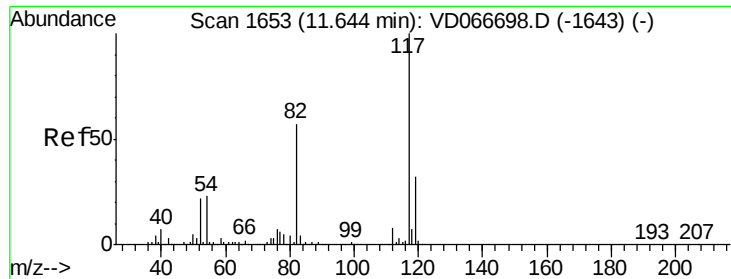
MMDadoda
 9/17/2020 1:05:01 PM



#62
 4-Bromofluorobenzene
 Concen: 49.707 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	156.6
176	74.1	0.0	150.2





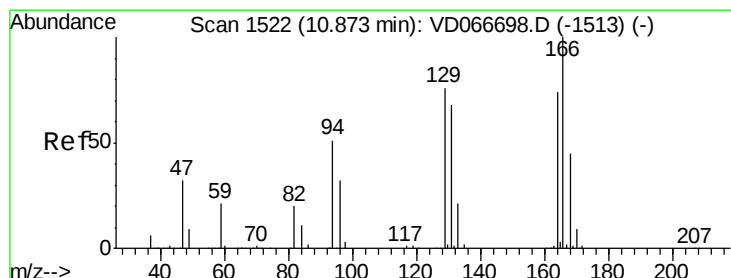
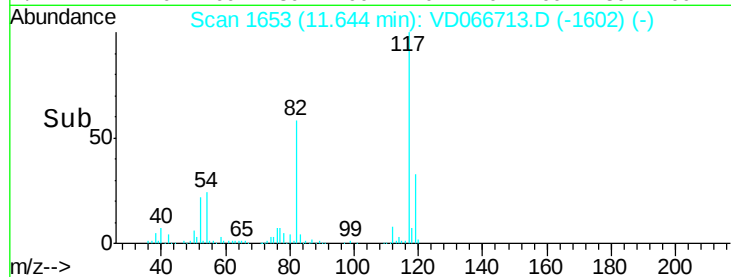
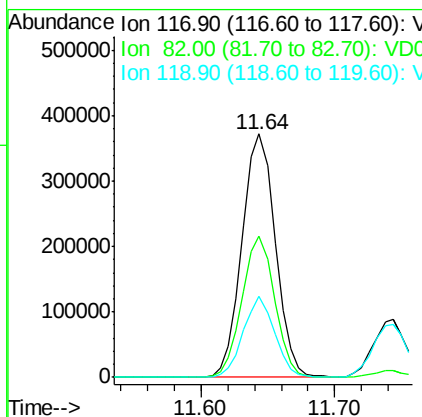
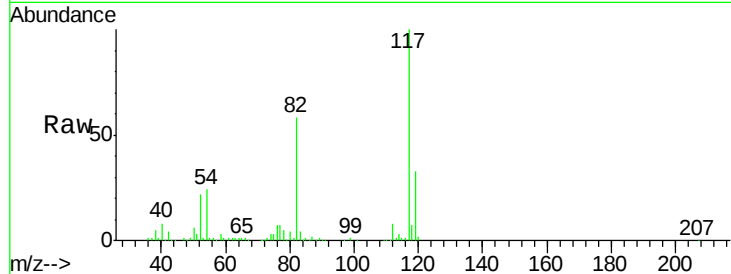
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.4	68.0
119	33.4	25.8	38.6

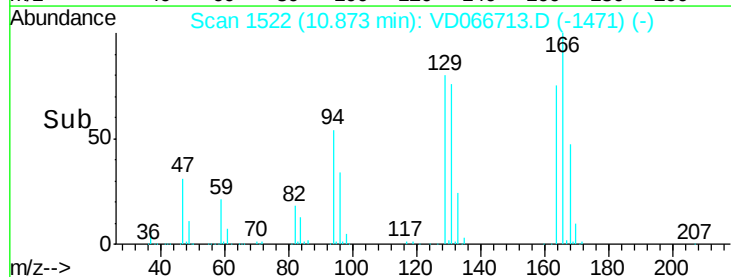
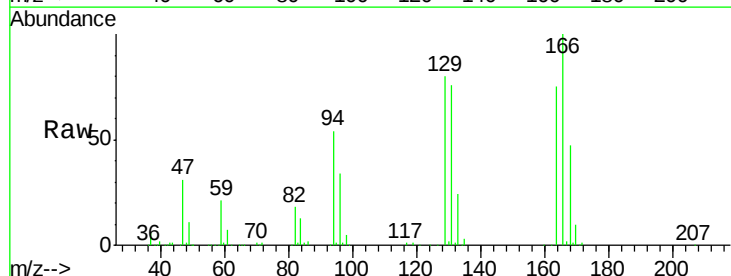
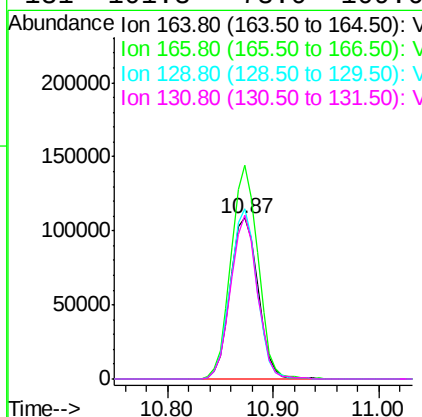
Manual Integrations
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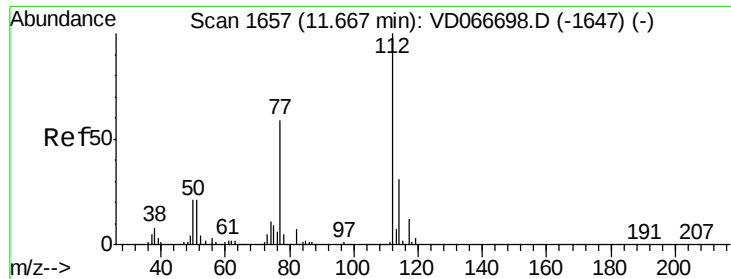
MMDadoda
9/17/2020 1:05:01 PM



#64
Tetrachloroethene
Concen: 44.901 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.5	107.5	161.3
129	106.1	81.4	122.0
131	101.3	73.0	109.6





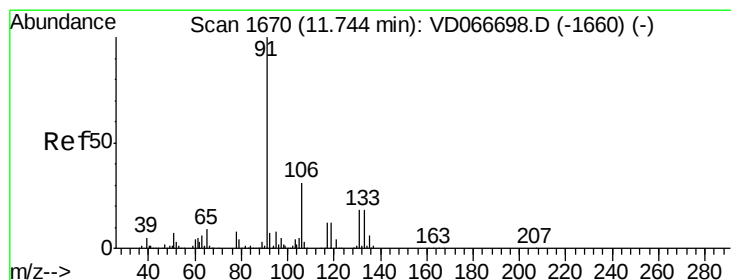
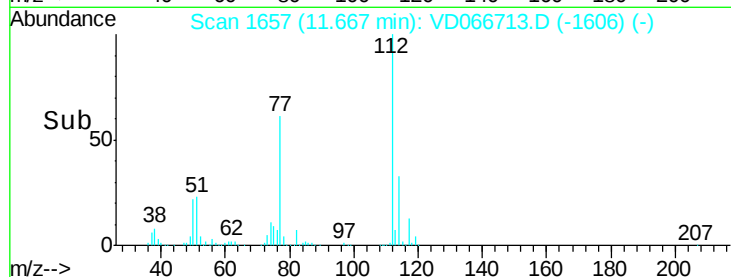
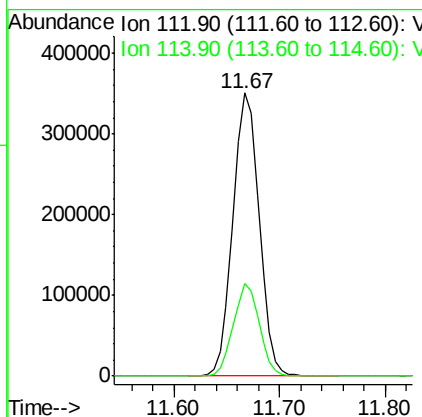
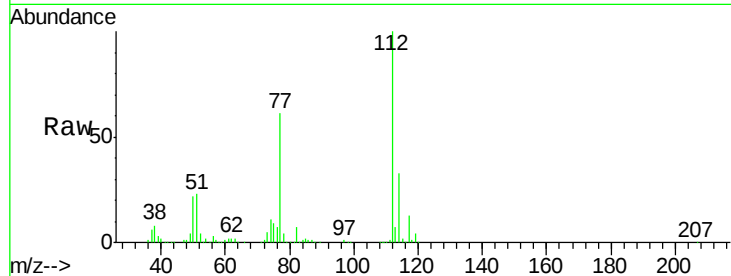
#65
Chlorobenzene
Concen: 45.073 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.0	37.6

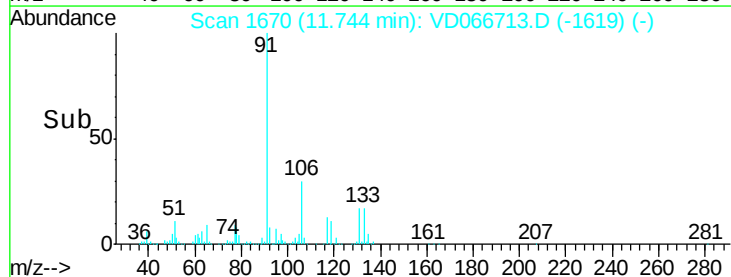
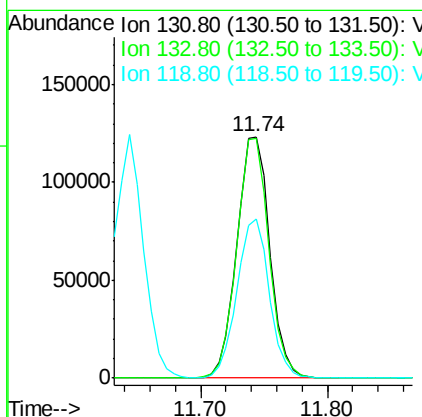
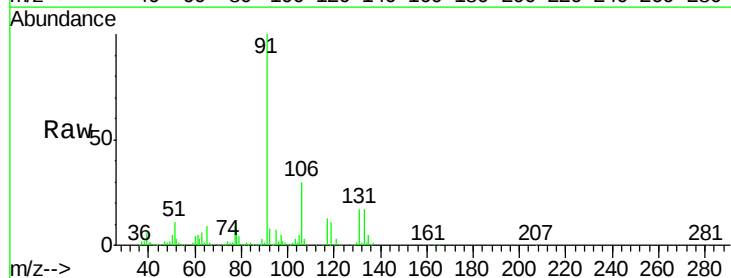
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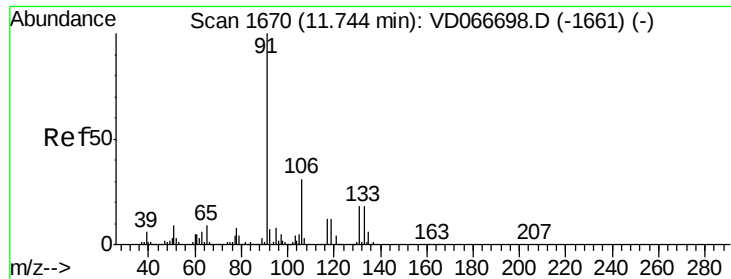
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.006 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.8	143.3
119	65.1	33.6	100.8





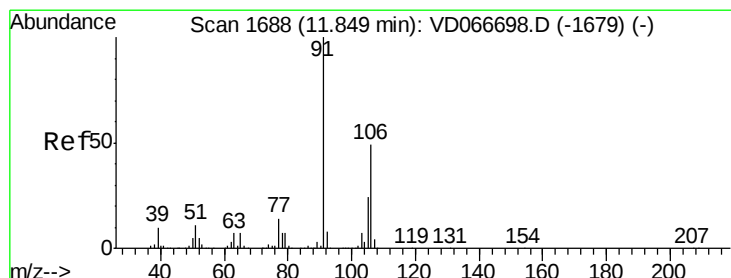
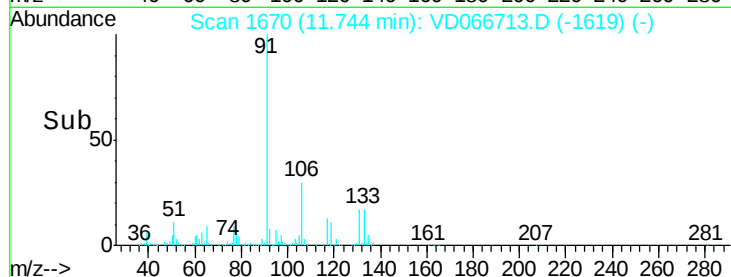
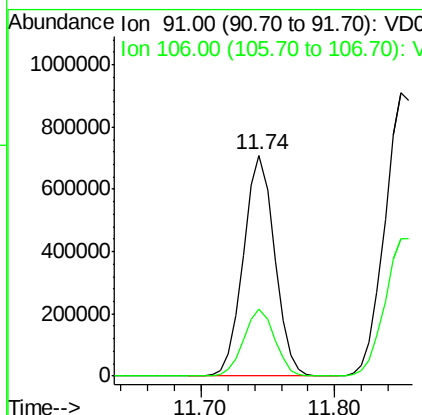
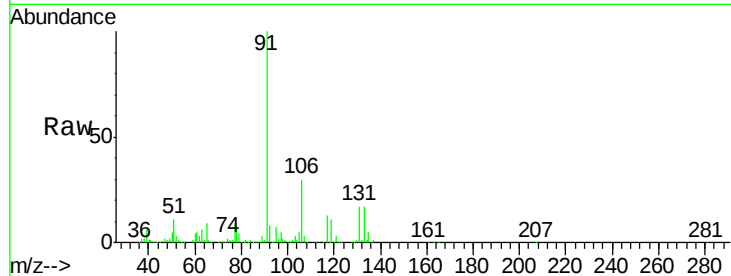
#67
Ethyl Benzene
Concen: 47.371 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1145403
Ion Ratio Lower Upper
91 100
106 30.1 25.1 37.7

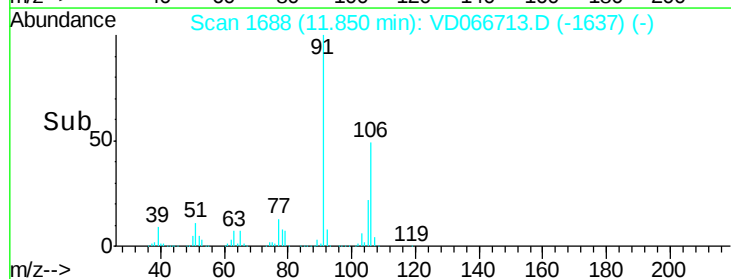
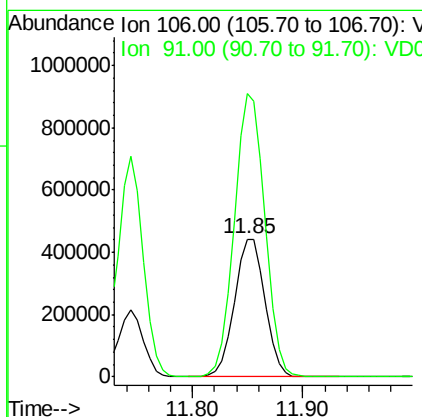
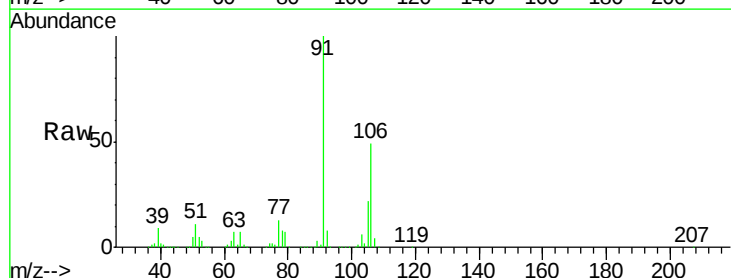
Manual Integrations
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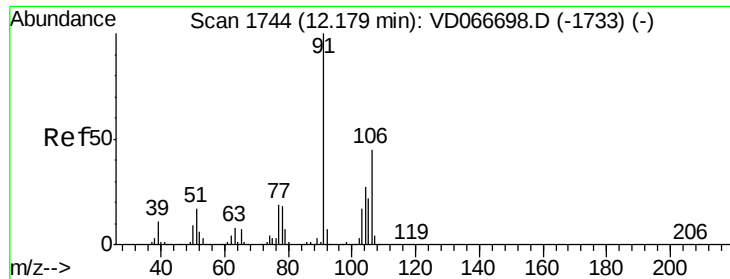
MMDadoda
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#68
m/p-Xylenes
Concen: 93.949 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion: 106 Resp: 858569
Ion Ratio Lower Upper
106 100
91 205.2 164.8 247.2





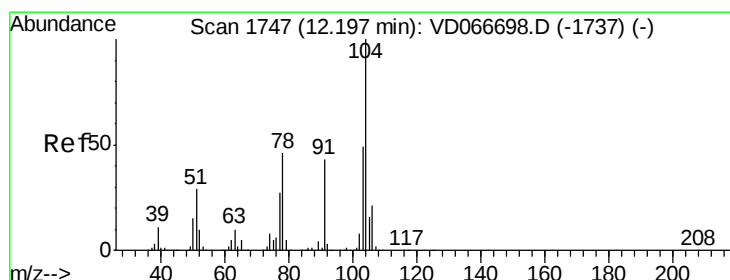
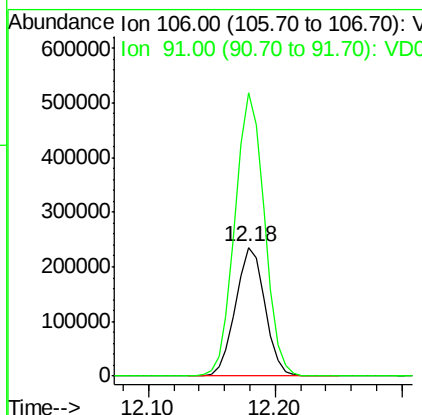
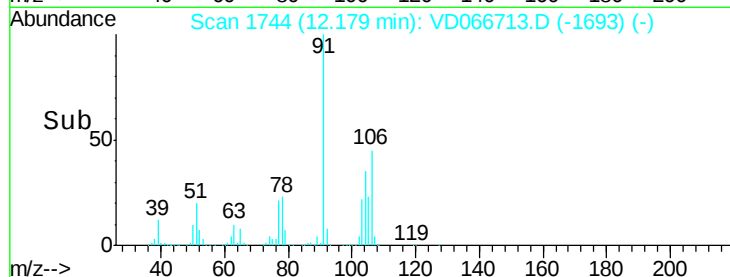
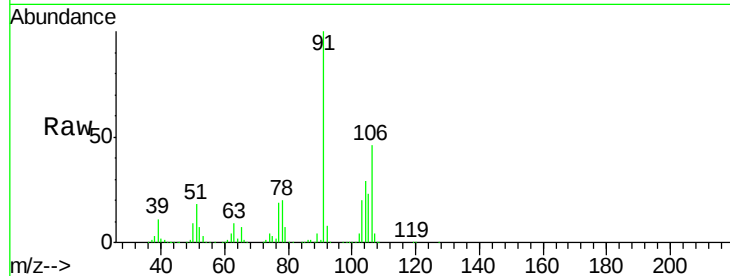
#69
o-Xylene
Concen: 46.868 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 378494
Ion Ratio Lower Upper
106 100
91 220.3 109.4 328.2

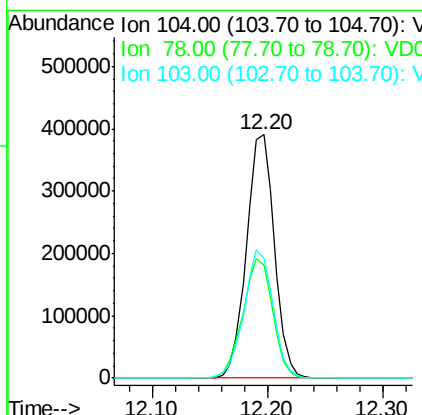
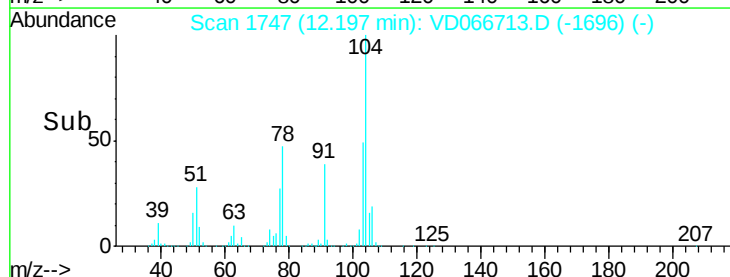
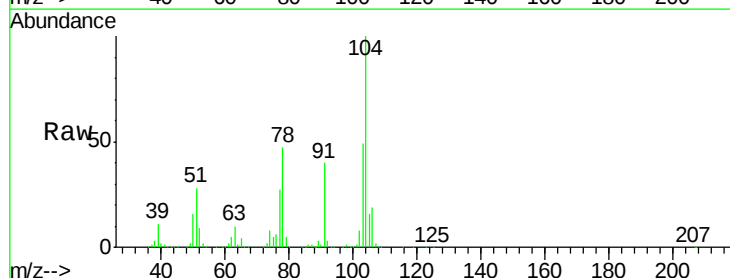
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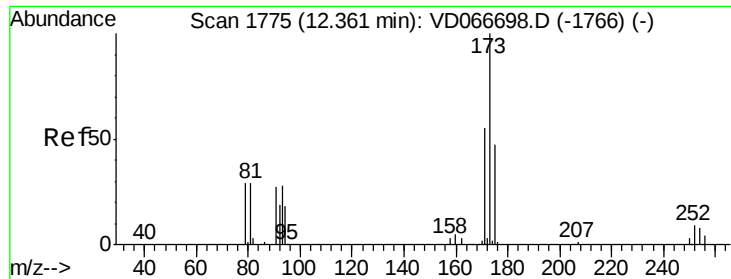
MMDadoda
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#70
Styrene
Concen: 46.339 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion:104 Resp: 658658
Ion Ratio Lower Upper
104 100
78 52.7 40.2 60.4
103 54.7 42.5 63.7





#71

Bromoform

Concen: 46.907 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 115946

Ion Ratio Lower Upper

173 100

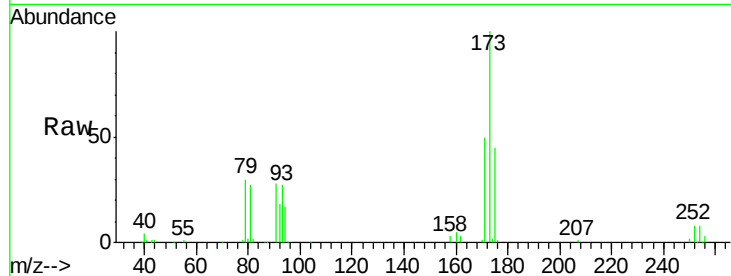
175 45.9 24.3 72.8

254 0.1 0.1 0.1#

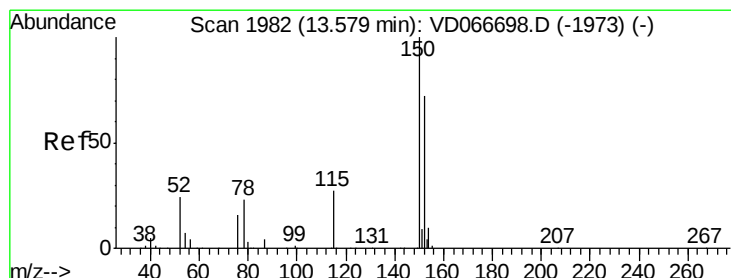
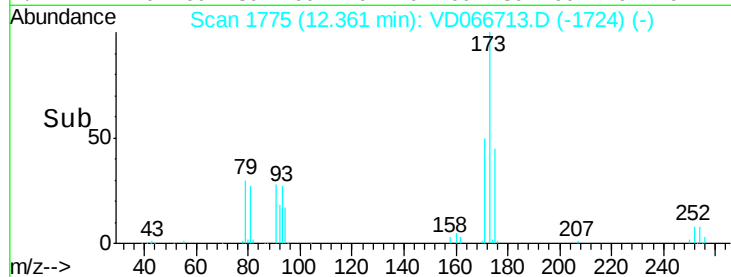
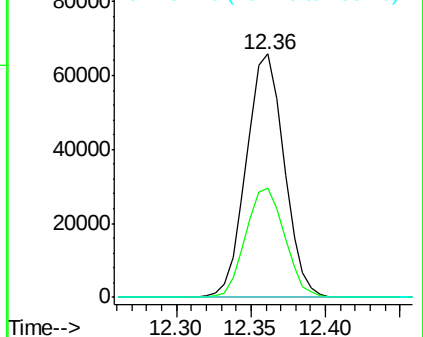
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

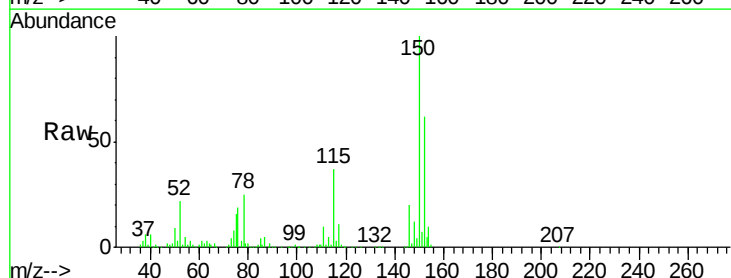
Tgt Ion:152 Resp: 302646

Ion Ratio Lower Upper

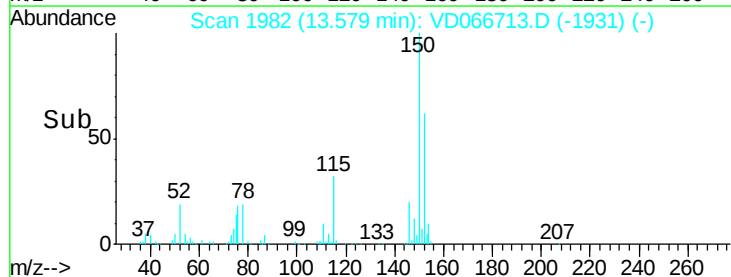
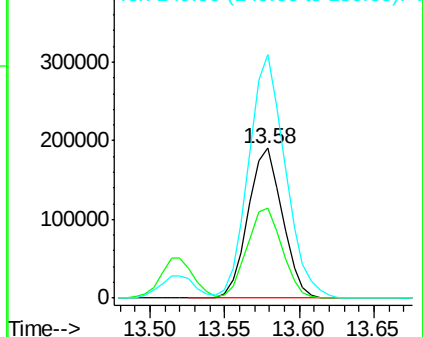
152 100

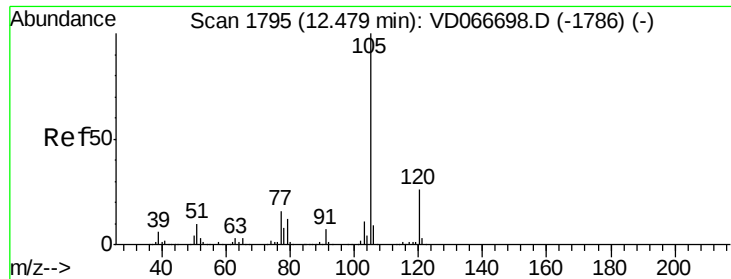
115 61.5 30.5 91.5

150 173.6 0.0 344.6



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: 48.534 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1096536

Ion Ratio Lower Upper

105 100

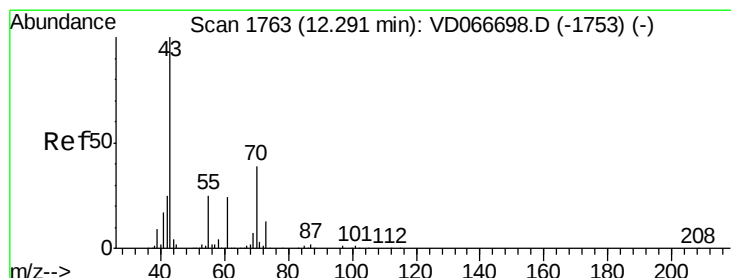
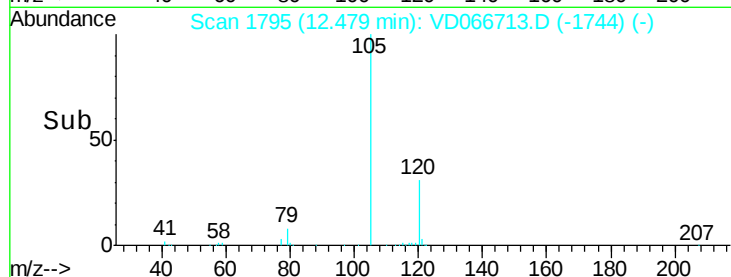
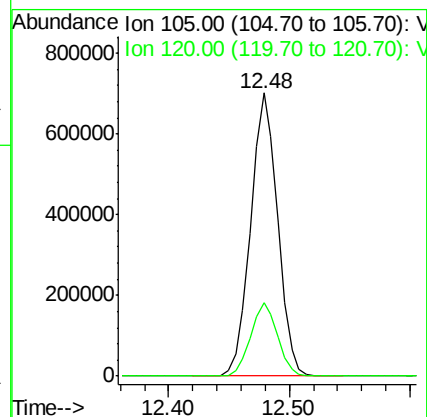
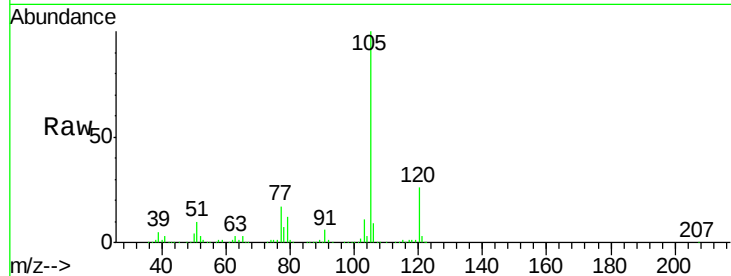
120 25.8 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.690 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Tgt Ion: 43 Resp: 227289

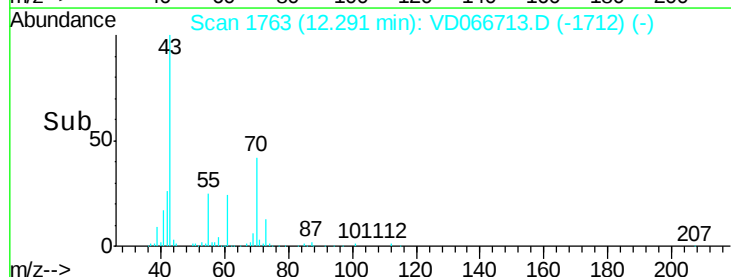
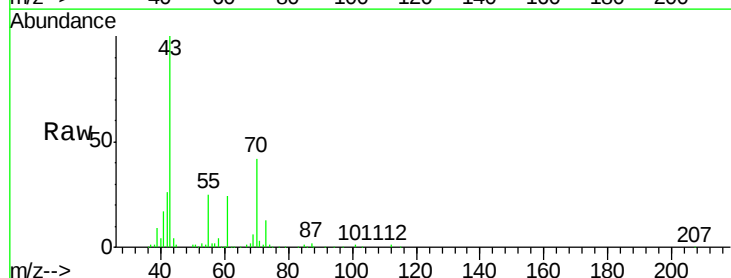
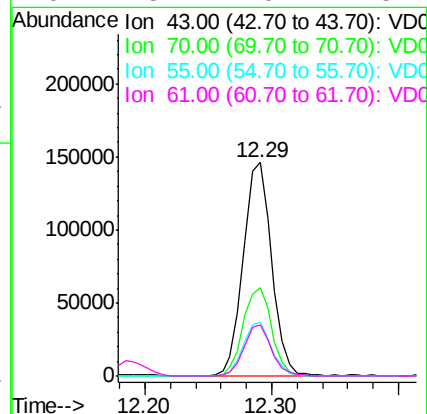
Ion Ratio Lower Upper

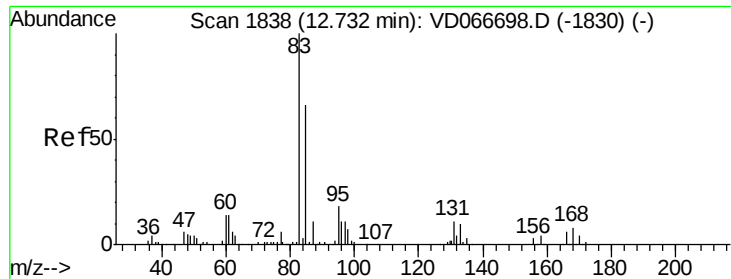
43 100

70 41.6 33.0 49.4

55 25.0 20.6 30.8

61 23.1 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 44.435 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

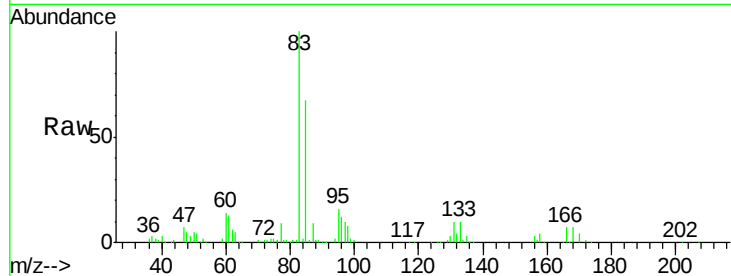
ClientSampleId :

VSTDCCC050

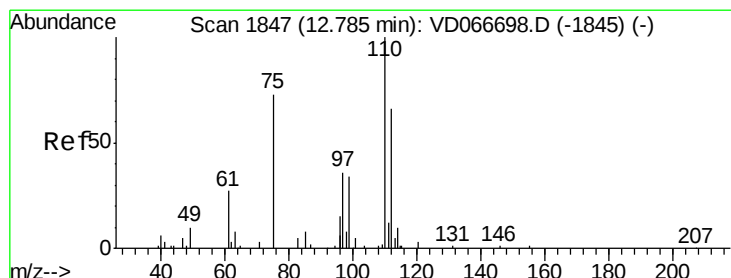
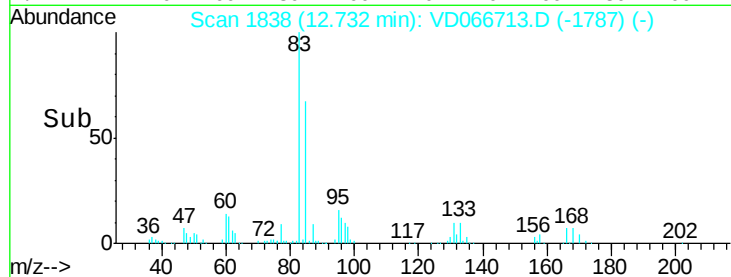
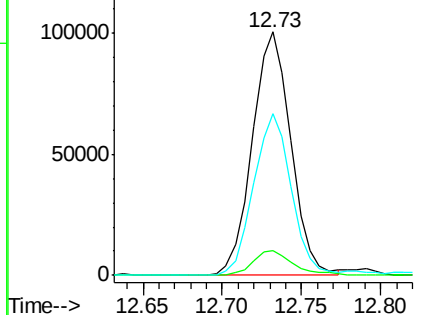
Tot Ion:	83	Resp:	170594
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.8	17.3
85	64.8	33.3	99.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 50.943 ug/l m

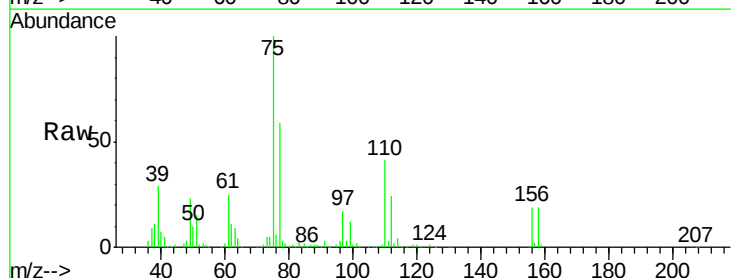
RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

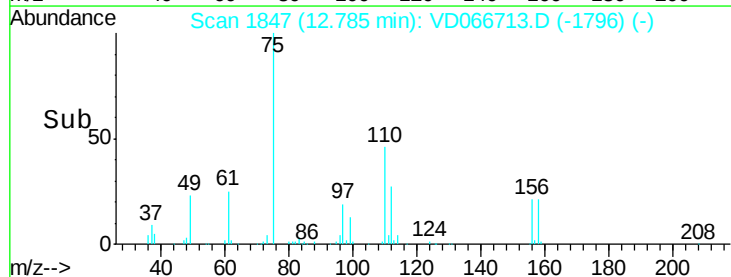
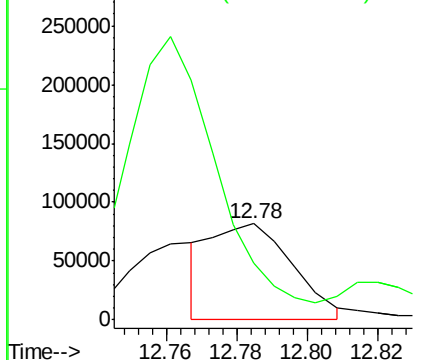
Lab File: VD066713.D

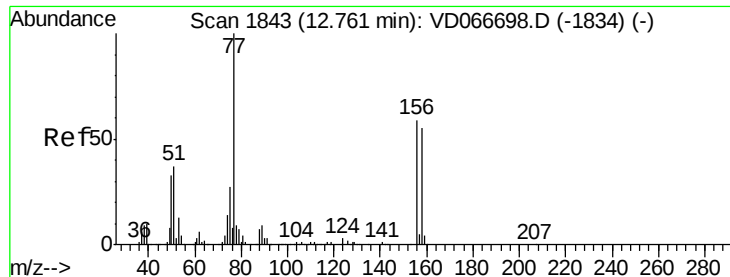
Acq: 16 Sep 2020 12:09

Tgt Ion:	75	Resp:	131969
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 44.210 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 230217

Ion Ratio Lower Upper

156 100

77 193.2 95.8 287.3

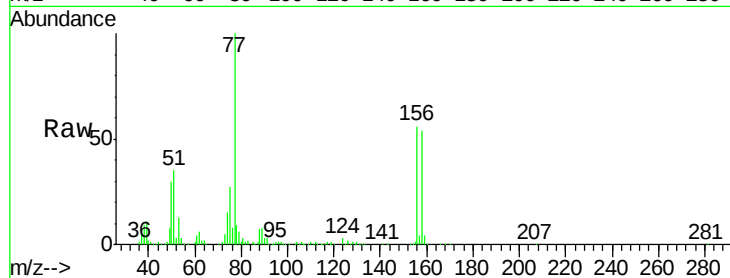
158 96.5 48.4 145.0

Manual Integrations

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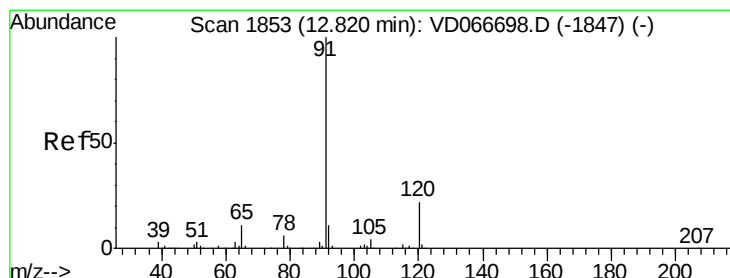
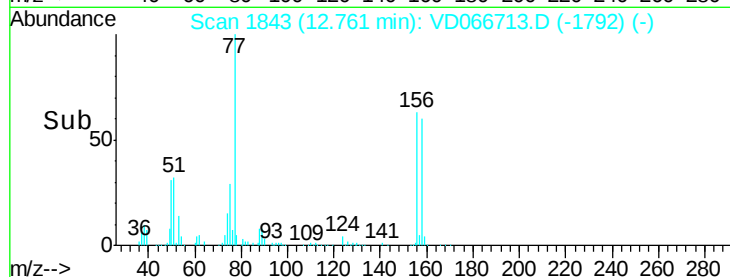
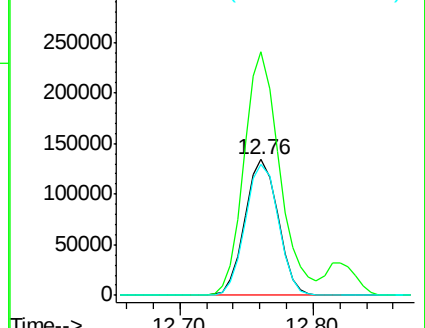
9/17/2020 1:05:01 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.845 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066713.D

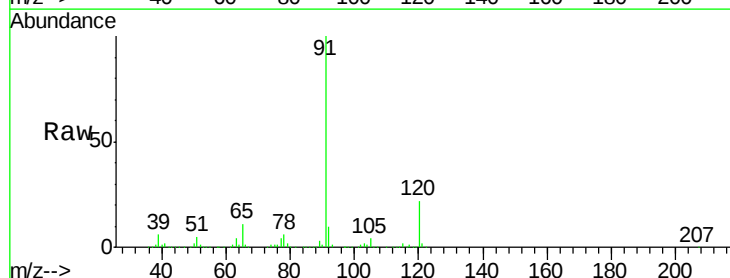
Acq: 16 Sep 2020 12:09

Tgt Ion: 91 Resp: 1317725

Ion Ratio Lower Upper

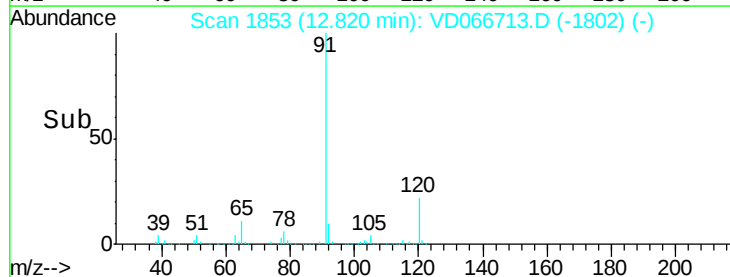
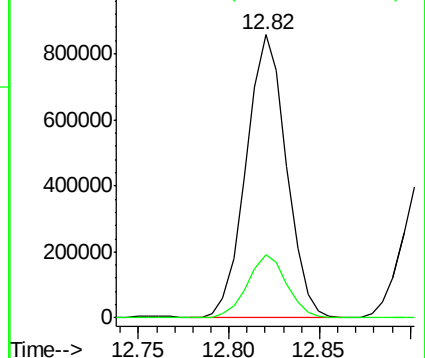
91 100

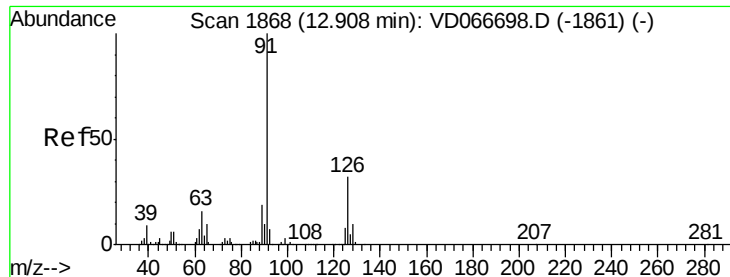
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





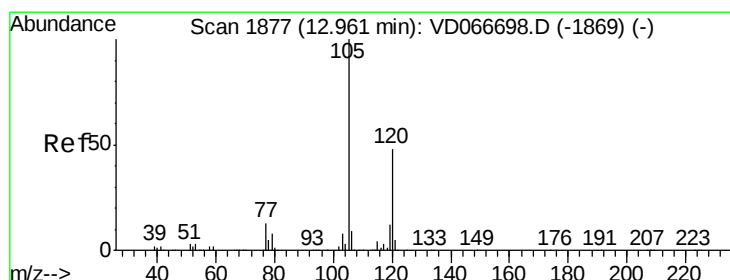
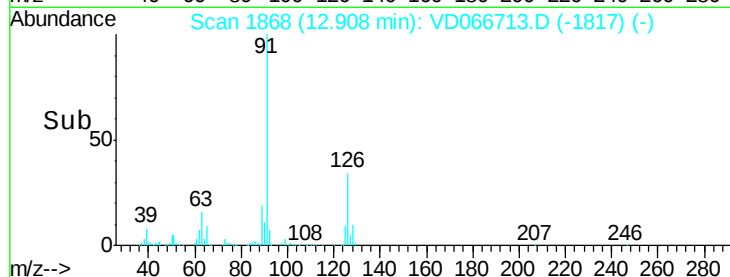
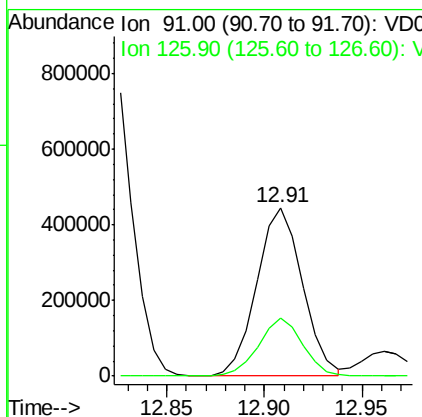
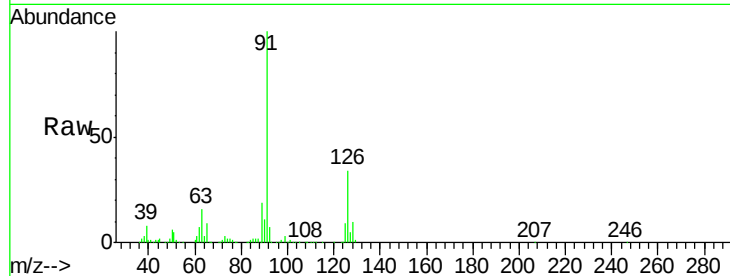
#79
2-Chlorotoluene
Concen: 46.362 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 722008
Ion Ratio Lower Upper
91 100
126 33.1 16.2 48.6

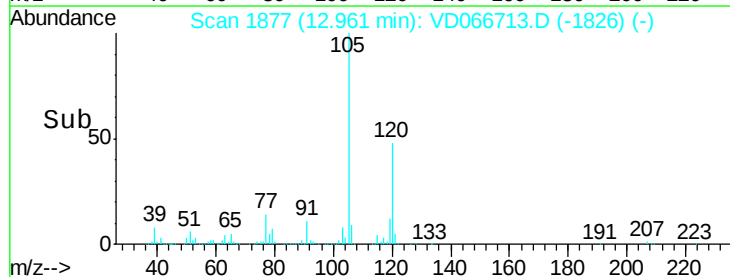
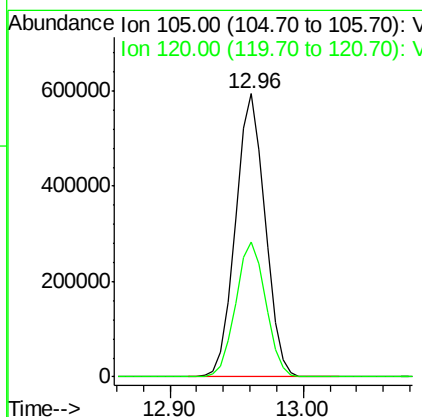
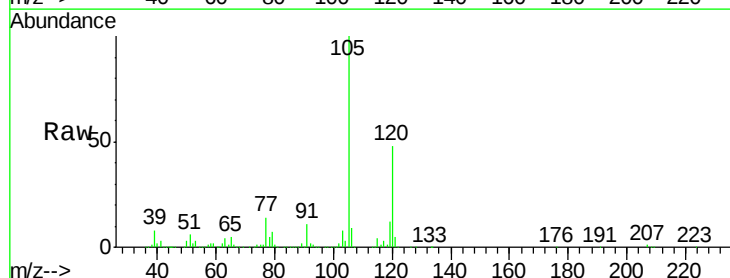
Manual Integrations
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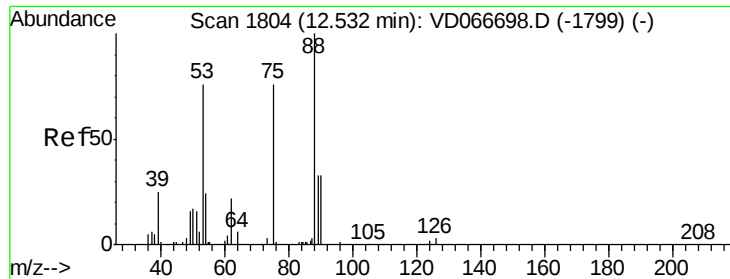
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 47.610 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion:105 Resp: 909496
Ion Ratio Lower Upper
105 100
120 48.6 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 46.934 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

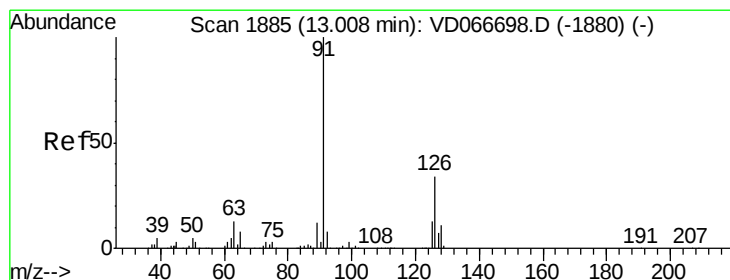
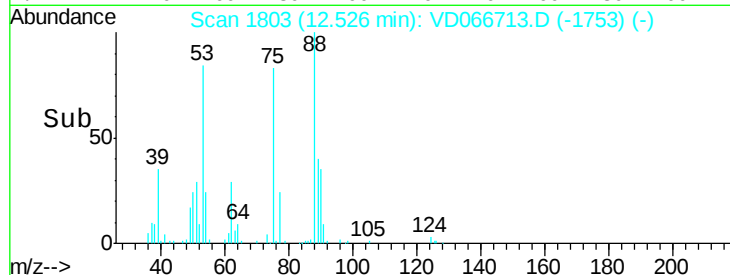
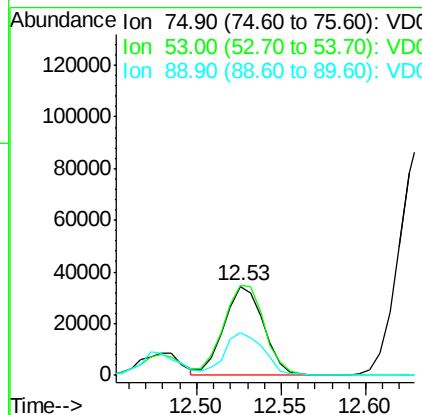
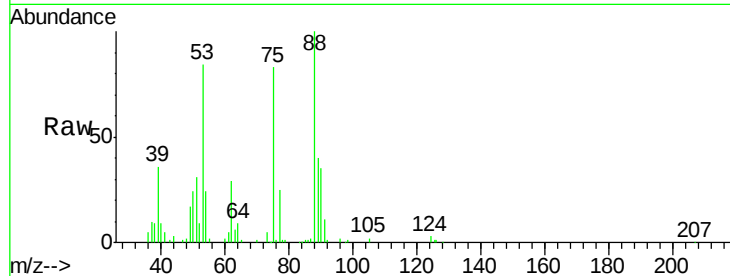
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	56336
Ion	Ratio	Lower	Upper
75	100		
53	104.6	82.2	123.4
89	47.4	39.6	59.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.641 ug/l

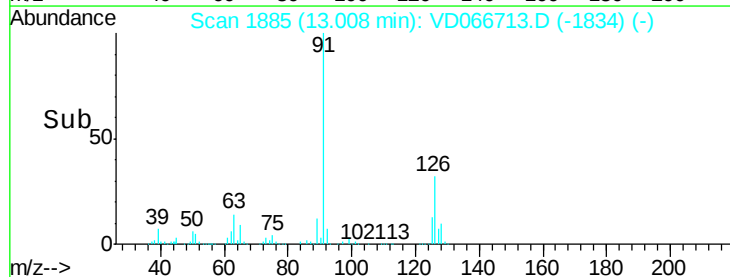
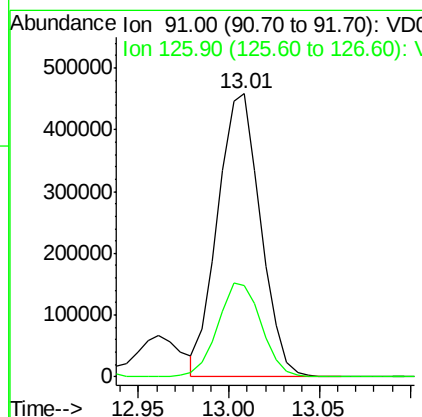
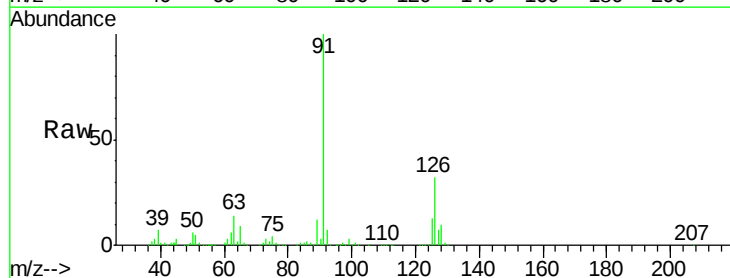
RT: 13.01 min Scan# 1885

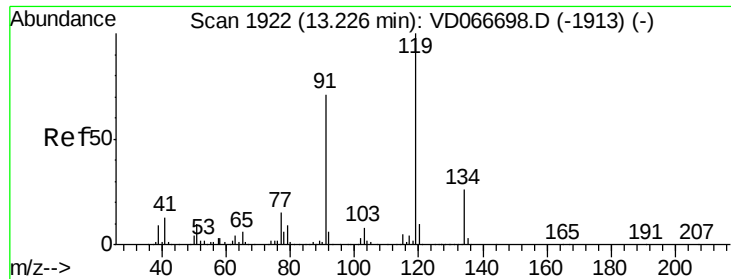
Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Tgt Ion:	91	Resp:	751565
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.4





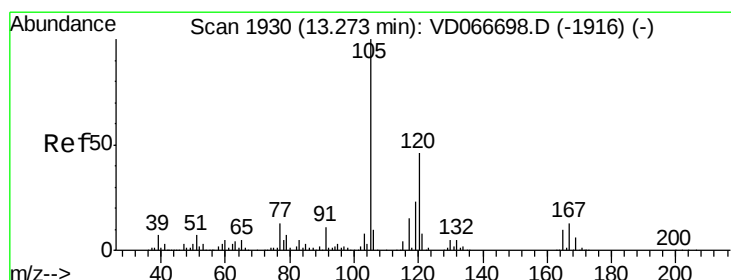
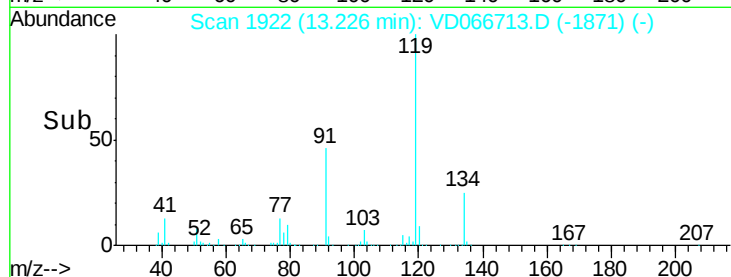
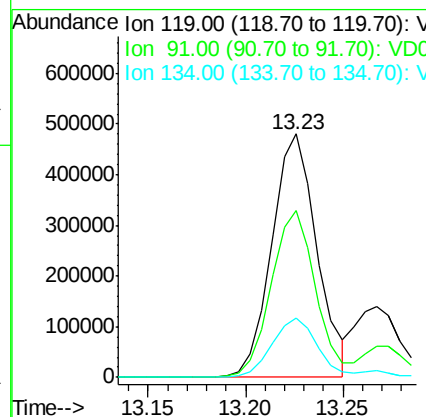
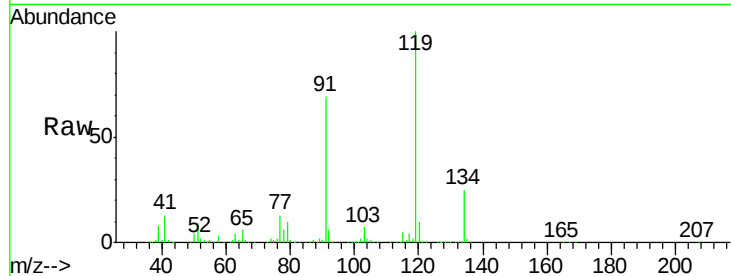
#83
tert-Butylbenzene
Concen: 48.893 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	35.0	105.1
134	24.7	13.6	40.8

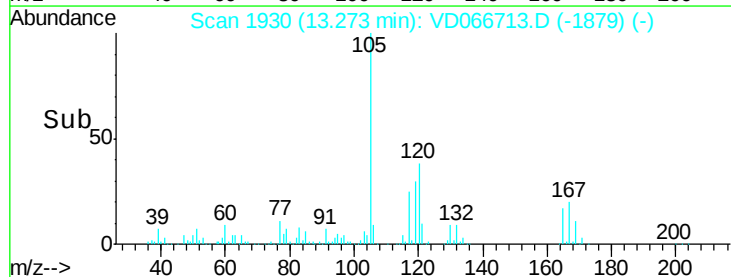
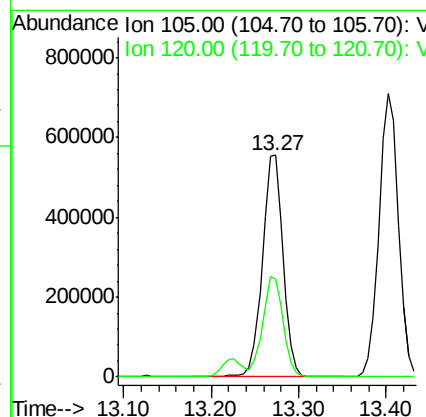
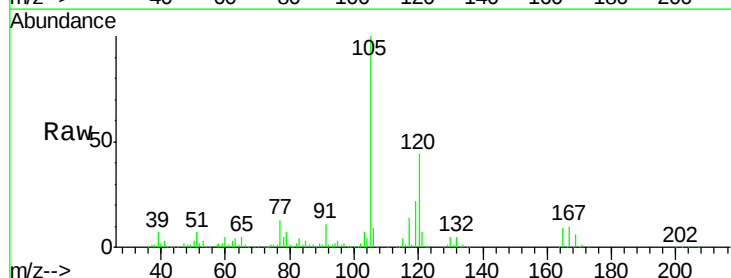
Manual Integrations
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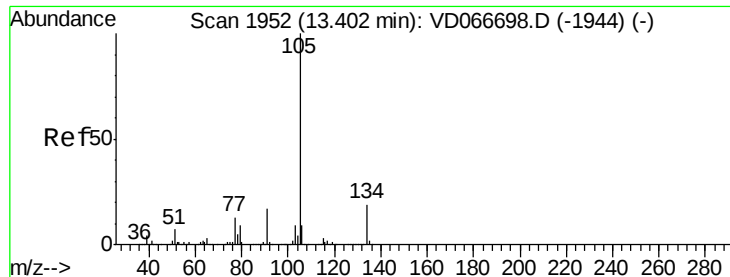
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 47.292 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.2





#85

sec-Butylbenzene

Concen: 48.727 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1099881

Ion Ratio Lower Upper

105 100

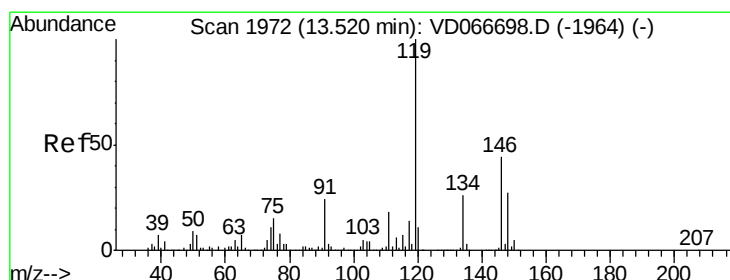
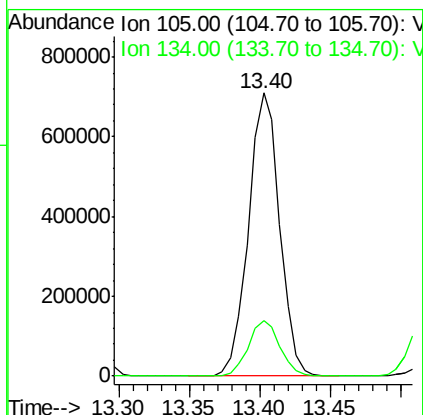
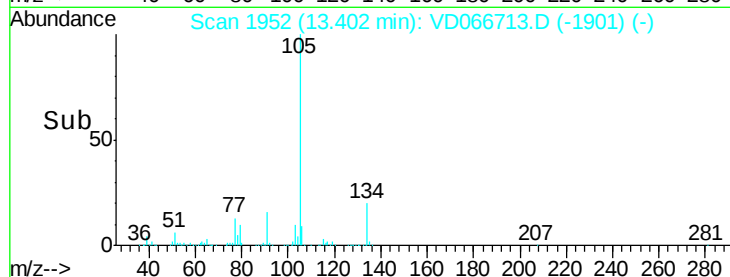
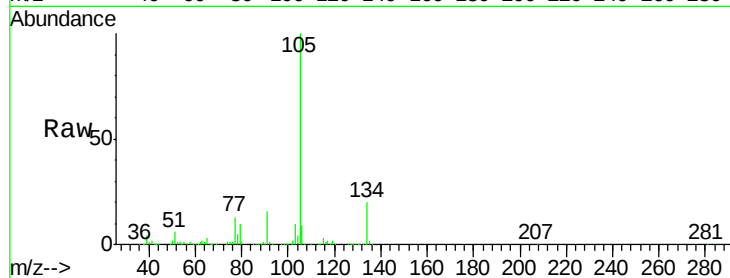
134 19.8 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.370 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

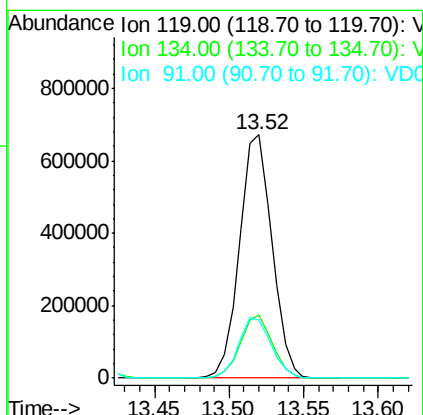
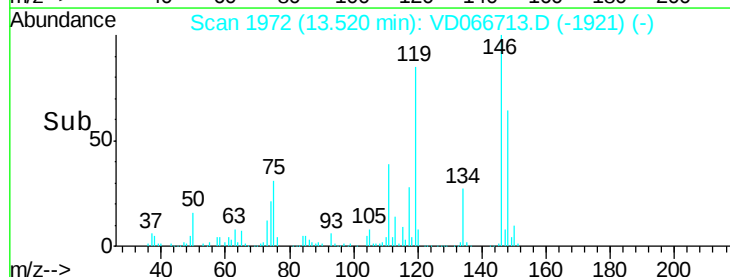
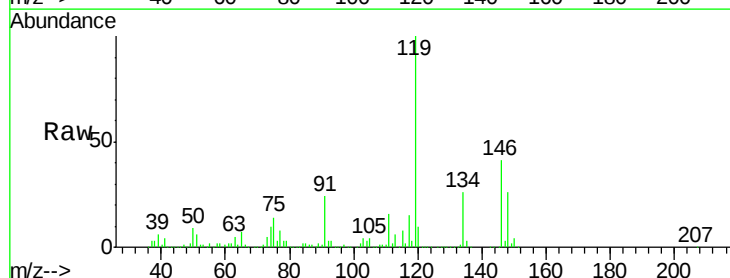
Tgt Ion:119 Resp: 1013138

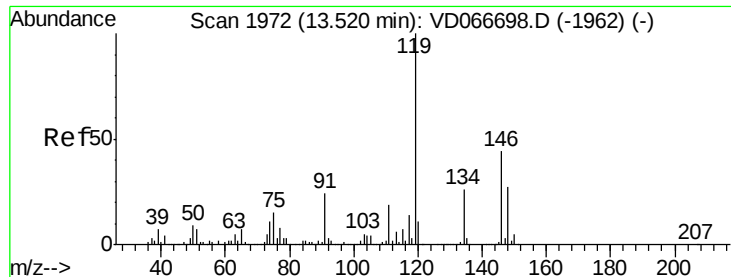
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 25.0 12.3 36.9





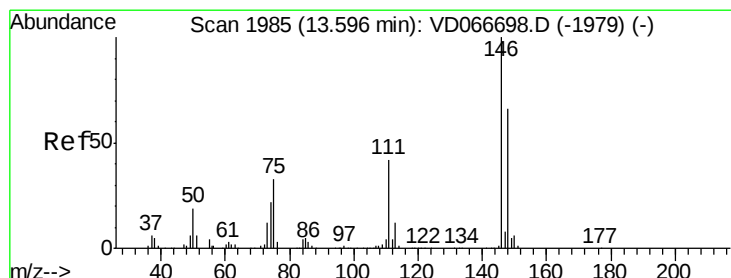
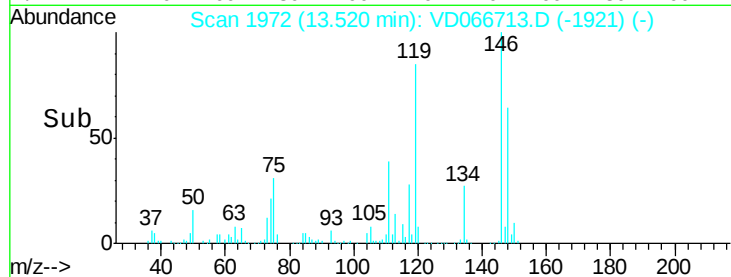
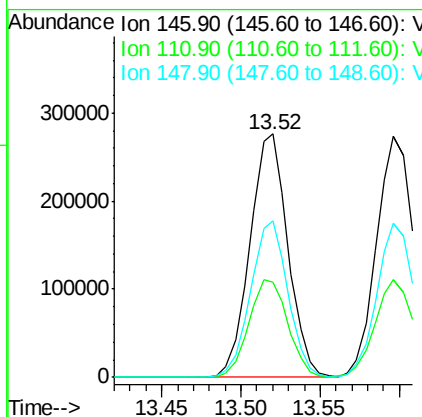
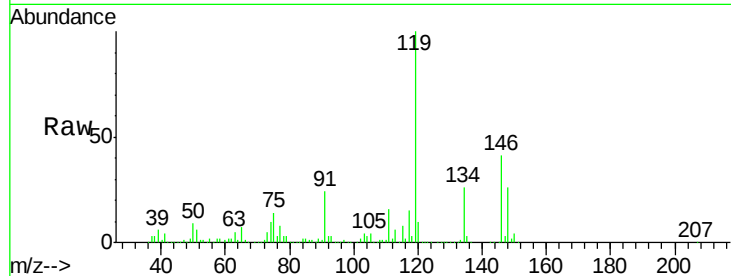
#87
 1,3-Dichlorobenzene
 Concen: 45.903 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	458590		
111	41.2	21.1	63.3	
148	63.5	31.4	94.2	

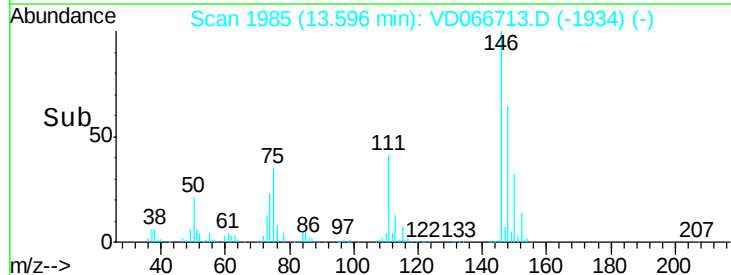
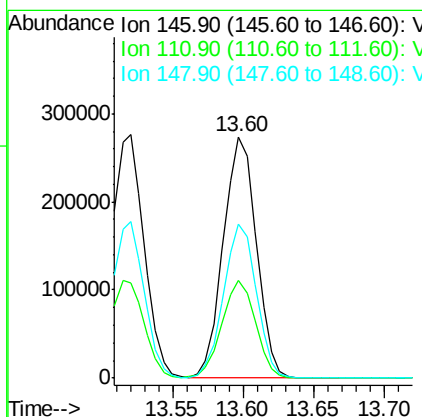
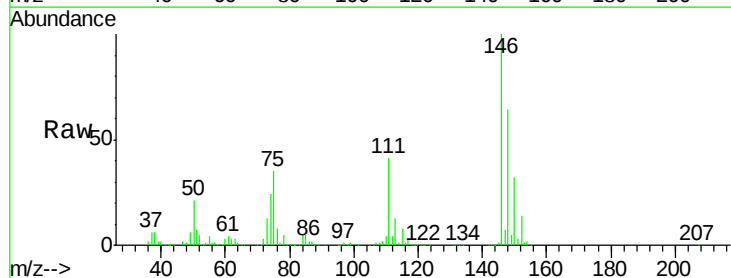
Manual Integrations
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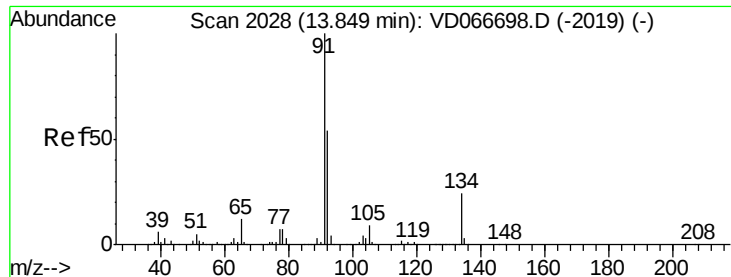
MMDadoda
 9/17/2020 1:05:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 44.987 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	447552		
111	41.2	20.5	61.6	
148	63.4	32.7	98.1	





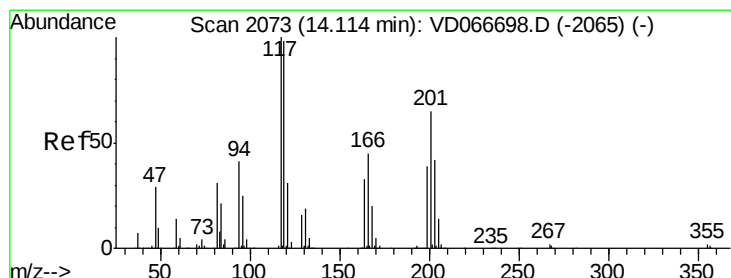
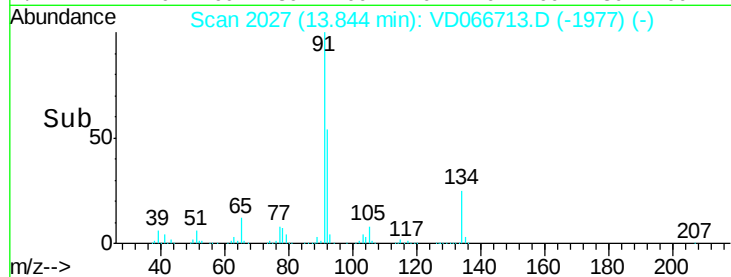
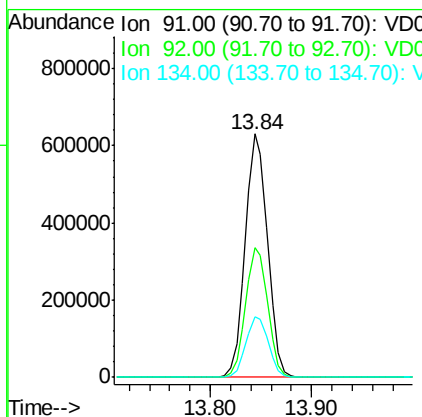
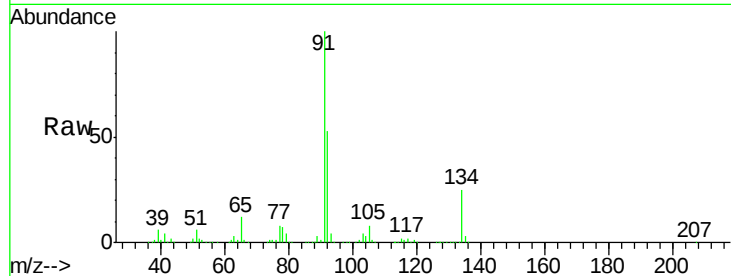
#89
n-Butylbenzene
Concen: 49.160 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.2	27.0	81.0	
134	25.2	12.4	37.0	

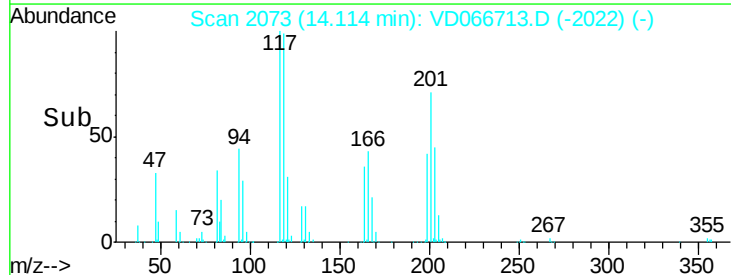
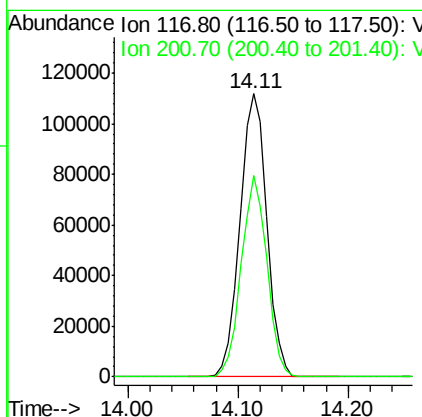
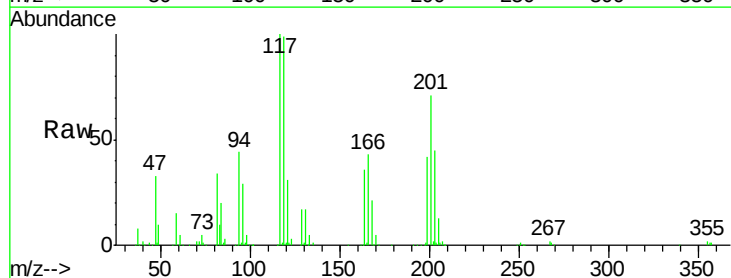
Manual Integrations
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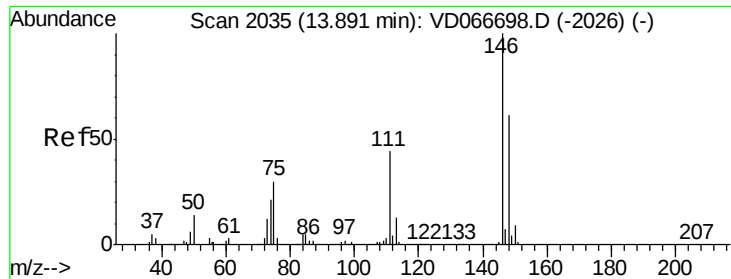
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#90
Hexachloroethane
Concen: 45.421 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	67.8	33.1	99.3	





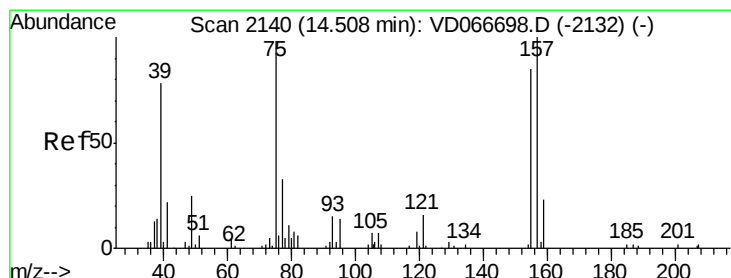
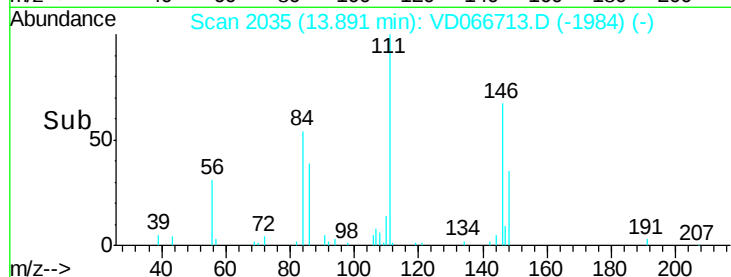
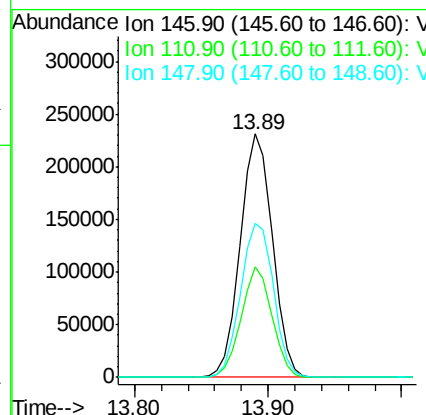
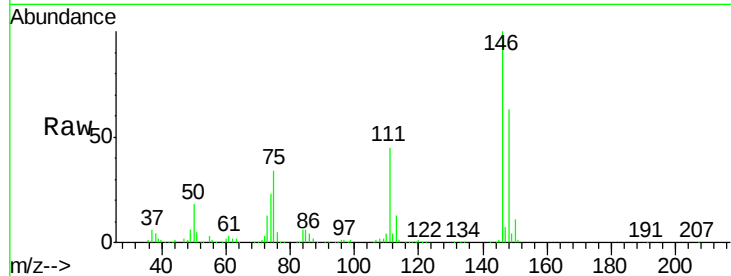
#91
 1,2-Dichlorobenzene
 Concen: 45.068 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	64.6	31.4	94.3

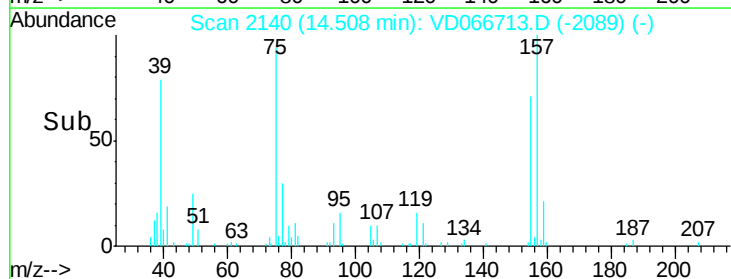
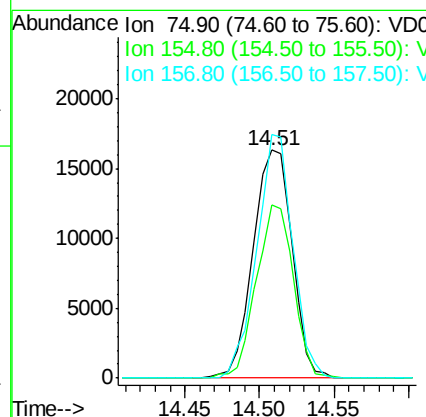
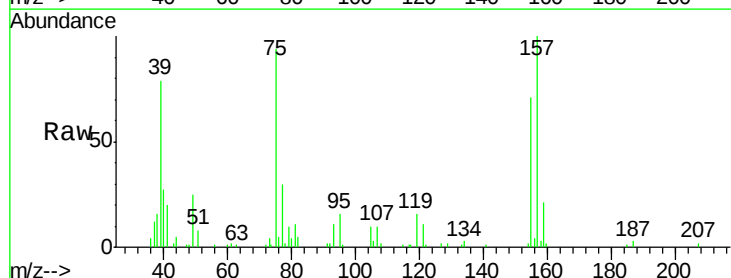
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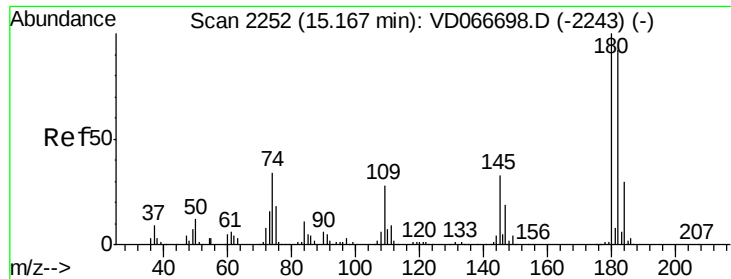
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.462 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.0	38.9	116.7
157	98.4	46.4	139.2





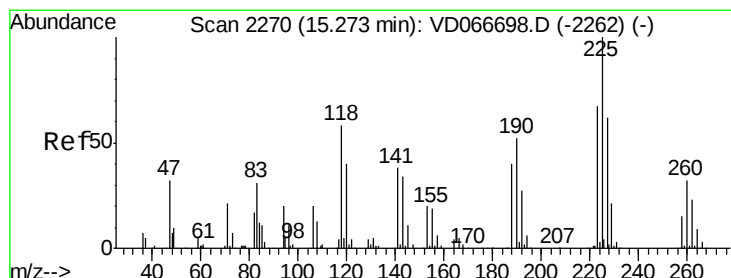
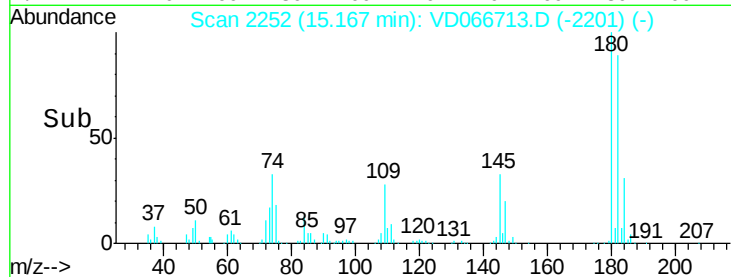
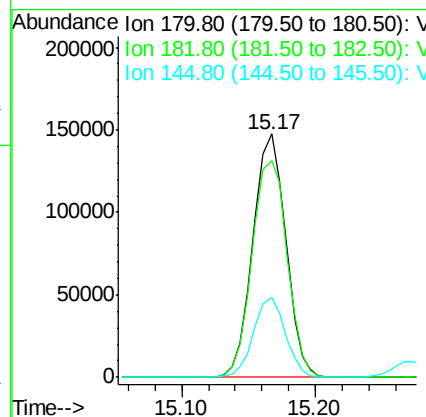
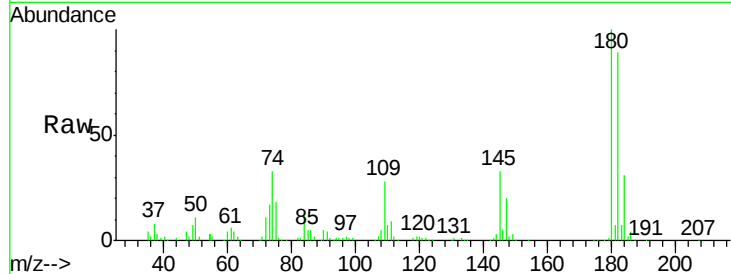
#93
 1,2,4-Trichlorobenzene
 Concen: 48.481 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	251013		
182	94.8	46.6	139.7	
145	32.1	16.5	49.5	

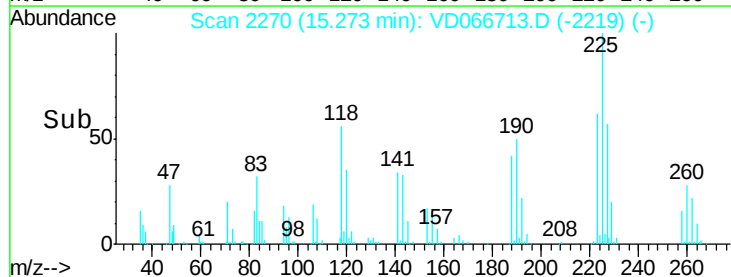
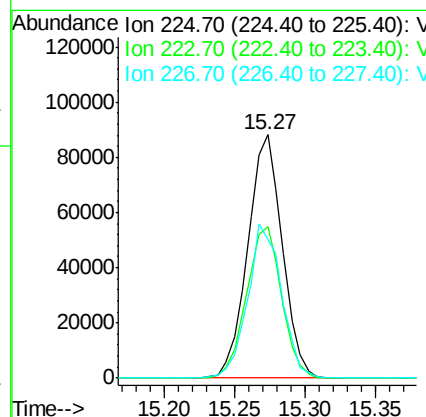
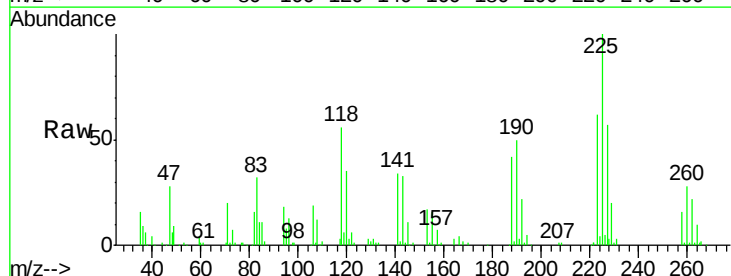
Manual Integrations
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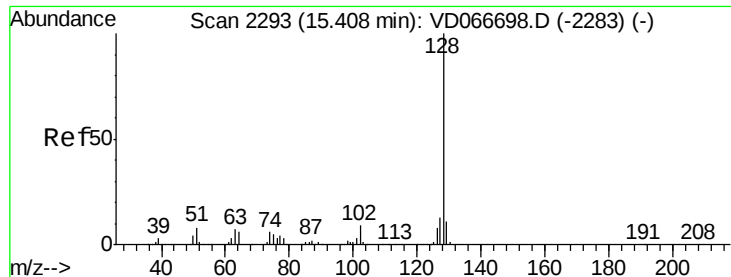
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 48.446 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	151121		
223	63.4	31.9	95.9	
227	61.9	31.3	93.9	





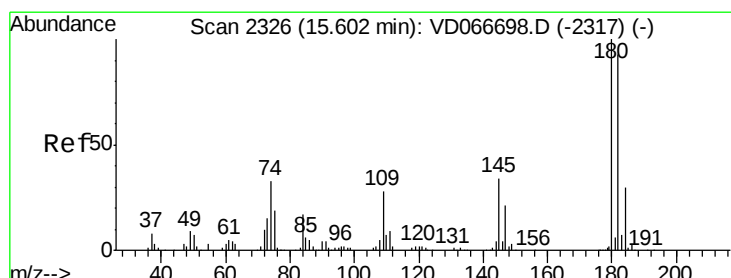
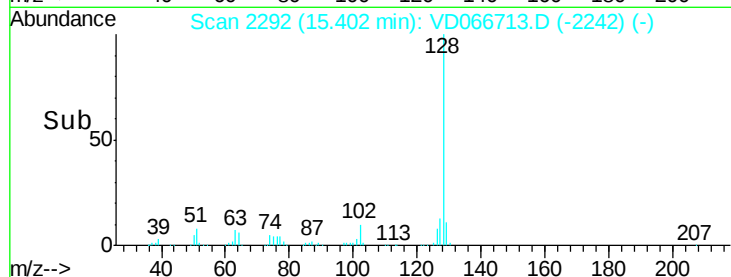
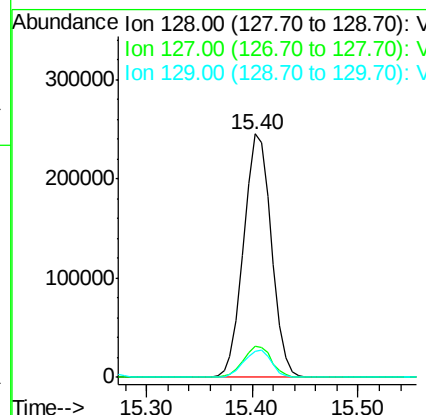
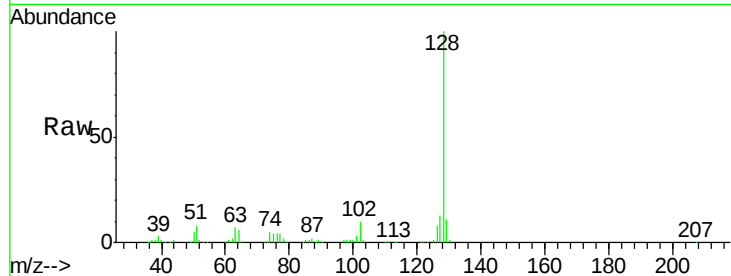
#95
Naphthalene
Concen: 49.494 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.2	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 47.705 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	33.3	17.1	51.3

