

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065921.D
 Acq On : 07 Jul 2020 14:07
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:35 PM

Quant Time: Jul 08 09:30:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:18:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	439192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	677049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	623621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	39735	10.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.42%	
35) Dibromofluoromethane	7.92	113	39083	9.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.72%	
50) Toluene-d8	10.34	98	150776	9.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.78%	
62) 4-Bromofluorobenzene	12.64	95	50131	9.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	45740	11.715	ug/l	98
3) Chloromethane	2.21	50	43093	11.134	ug/l	95
4) Vinyl Chloride	2.35	62	38731	10.898	ug/l	97
5) Bromomethane	2.76	94	24790	11.012	ug/l	84
6) Chloroethane	2.93	64	21498	10.119	ug/l #	87
7) Trichlorofluoromethane	3.27	101	81953	10.759	ug/l	99
8) Diethyl Ether	3.71	74	20732	9.921	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	47392	10.402	ug/l	99
10) Methyl Iodide	4.30	142	37425	8.649	ug/l	96
11) Tert butyl alcohol	5.20	59	16309	59.149	ug/l #	71
12) 1,1-Dichloroethene	4.07	96	42993	10.101	ug/l	83
13) Acrolein	3.92	56	13221	57.573	ug/l	100
14) Allyl chloride	4.71	41	73550	10.197	ug/l	99
15) Acrylonitrile	5.42	53	45139	49.337	ug/l	98
16) Acetone	4.16	43	47653	52.241	ug/l	100
17) Carbon Disulfide	4.41	76	141669	10.446	ug/l	97
18) Methyl Acetate	4.71	43	20967	9.806	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	91363	10.139	ug/l	99
20) Methylene Chloride	4.97	84	86748	13.387	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	49638	10.365	ug/l	96
22) Diisopropyl ether	6.36	45	137992	10.180	ug/l	90
23) Vinyl Acetate	6.30	43	385229	49.788	ug/l	96
24) 1,1-Dichloroethane	6.27	63	82001	10.145	ug/l	99
25) 2-Butanone	7.21	43	62658	51.983	ug/l	93
26) 2,2-Dichloropropane	7.21	77	74097	10.479	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	52598	10.222	ug/l	98
28) Bromochloromethane	7.55	49	34864	11.418	ug/l	96
29) Tetrahydrofuran	7.56	42	38501	50.232	ug/l	97
30) Chloroform	7.71	83	84343	10.293	ug/l	100
31) Cyclohexane	7.98	56	83973	10.559	ug/l #	87
32) 1,1,1-Trichloroethane	7.90	97	76226	10.193	ug/l	97
36) 1,1-Dichloropropene	8.11	75	68324	10.218	ug/l	99
37) Ethyl Acetate	7.30	43	29531	10.540	ug/l #	83
38) Carbon Tetrachloride	8.10	117	74299	10.366	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	81193	9.890	ug/l	96
40) Benzene	8.35	78	186244	10.082	ug/l	98
41) Methacrylonitrile	7.52	41	16976	10.194	ug/l	97
42) 1,2-Dichloroethane	8.43	62	53292	10.183	ug/l	100
43) Isopropyl Acetate	8.45	43	51816	9.936	ug/l	98
44) Trichloroethene	9.11	130	56856	10.475	ug/l	93
45) 1,2-Dichloropropane	9.39	63	46412	10.123	ug/l	96
46) Dibromomethane	9.48	93	23726	9.939	ug/l	97
47) Bromodichloromethane	9.67	83	64032	10.000	ug/l #	93
48) Methyl methacrylate	9.46	41	26035	9.917	ug/l	96
49) 1,4-Dioxane	9.46	88	5431	191.481	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	131975	50.055	ug/l	98
52) Toluene	10.40	92	118654	10.096	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	57431	9.539	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	70212	9.651	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	34213	10.403	ug/l	95
56) Ethyl methacrylate	10.66	69	37566	9.352	ug/l	97
57) 1,3-Dichloropropane	10.94	76	56801	9.876	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	100429	51.623	ug/l	99
59) 2-Hexanone	10.98	43	88950	49.054	ug/l	97
60) Dibromochloromethane	11.14	129	44430	9.888	ug/l	99
61) 1,2-Dibromoethane	11.25	107	32139	9.801	ug/l	97
64) Tetrachloroethene	10.88	164	45522	10.038	ug/l	99
65) Chlorobenzene	11.67	112	125690	10.001	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	46589	9.912	ug/l	99
67) Ethyl Benzene	11.75	91	221810	9.935	ug/l	97
68) m/p-Xylenes	11.86	106	166987	19.687	ug/l	98
69) o-Xylene	12.18	106	76414	9.889	ug/l	99
70) Styrene	12.20	104	128850	9.660	ug/l	99
71) Bromoform	12.36	173	27059	10.174	ug/l #	98
73) Isopropylbenzene	12.48	105	212776	10.016	ug/l	99
74) N-amyl acetate	12.29	43	46745	9.806	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	35957	10.195	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	25596m	10.065	ug/l	
77) Bromobenzene	12.76	156	50811	9.862	ug/l	95
78) n-propylbenzene	12.82	91	246509	9.898	ug/l	99
79) 2-Chlorotoluene	12.91	91	139160	9.849	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	172850	9.948	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11843	9.966	ug/l	98
82) 4-Chlorotoluene	13.01	91	151364	10.211	ug/l	100
83) tert-Butylbenzene	13.23	119	145671	9.840	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	171326	9.906	ug/l	99
85) sec-Butylbenzene	13.40	105	208254	9.927	ug/l	100
86) p-Isopropyltoluene	13.52	119	189956	9.899	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	97972	10.162	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	97252	10.111	ug/l	98
89) n-Butylbenzene	13.85	91	177989	9.878	ug/l	100
90) Hexachloroethane	14.11	117	38716	10.005	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	84229	9.996	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5553	9.416	ug/l	89

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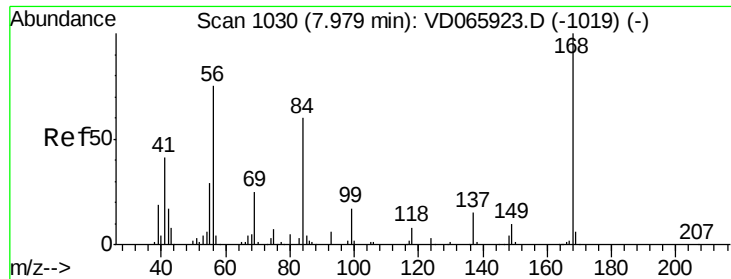
Manual Integrations
APPROVED

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7/8/2020 12:05:35 PM

Quant Time: Jul 08 09:30:21 2020
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Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:18:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57179	9.521	ug/l	99
94) Hexachlorobutadiene	15.27	225	34531	9.505	ug/l	94
95) Naphthalene	15.40	128	95320	9.463	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	50922	9.830	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 439192

Ion Ratio Lower Upper

168 100

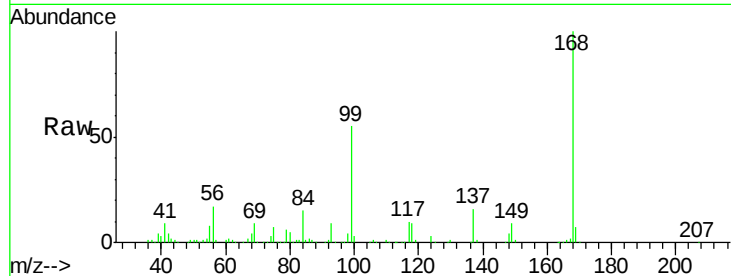
99 55.0 43.1 64.7

Manual Integrations

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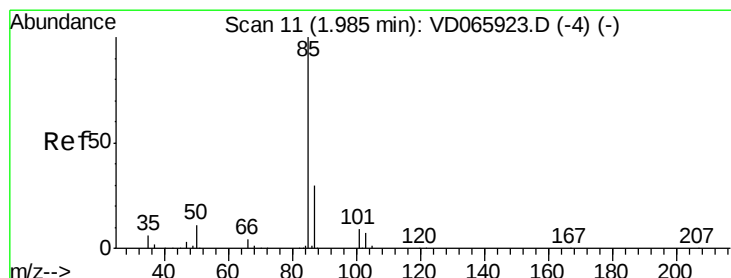
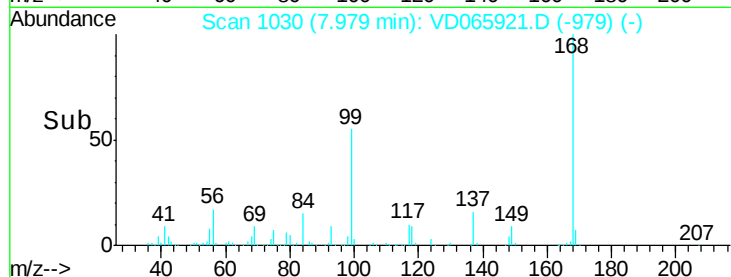
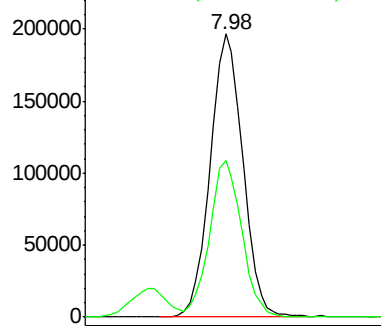
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 11.715 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065921.D

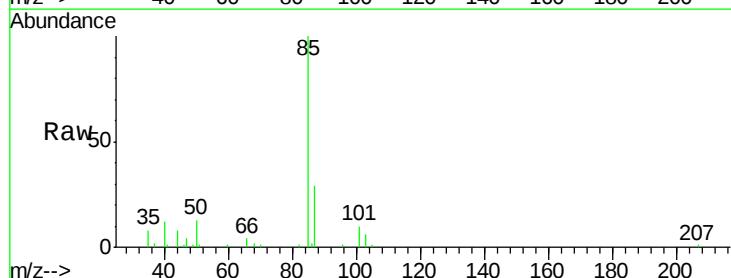
Acq: 07 Jul 2020 14:07

Tgt Ion: 85 Resp: 45740

Ion Ratio Lower Upper

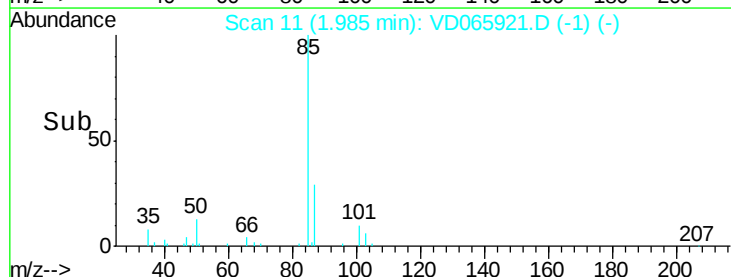
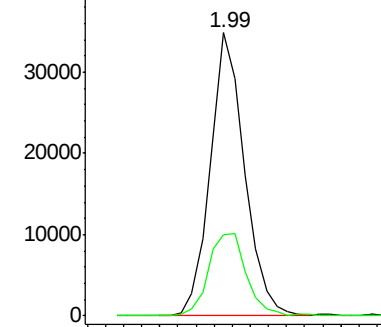
85 100

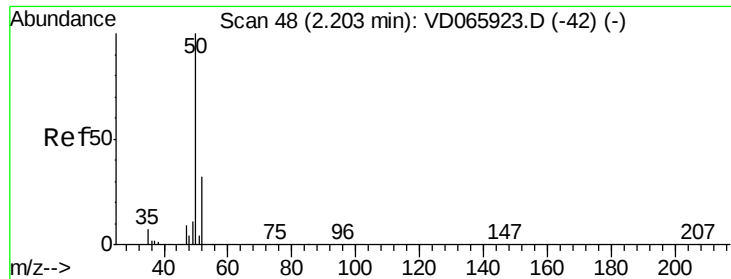
87 28.7 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 11.134 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 43093

Ion Ratio Lower Upper

50 100

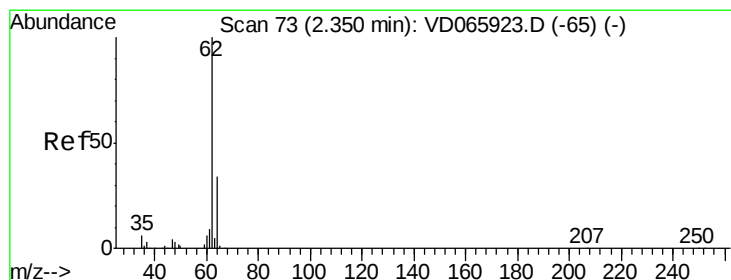
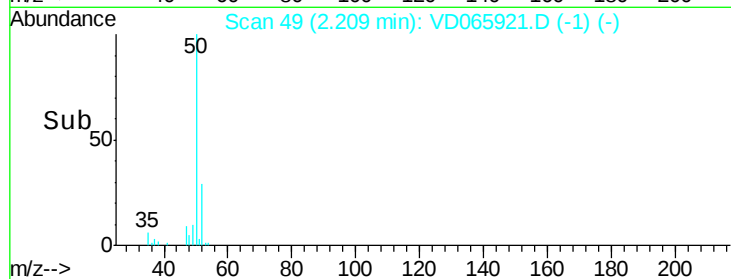
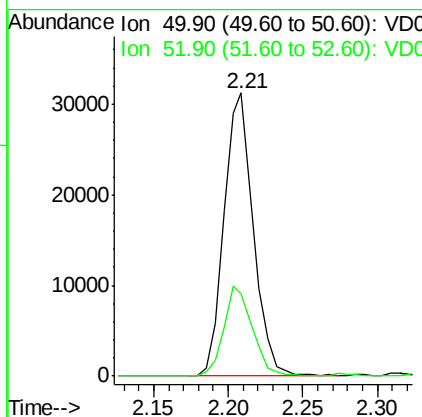
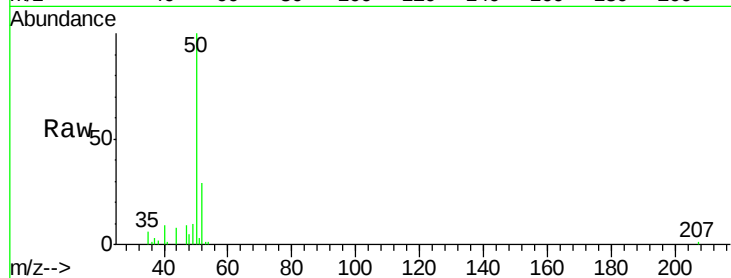
52 29.3 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 10.898 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065921.D

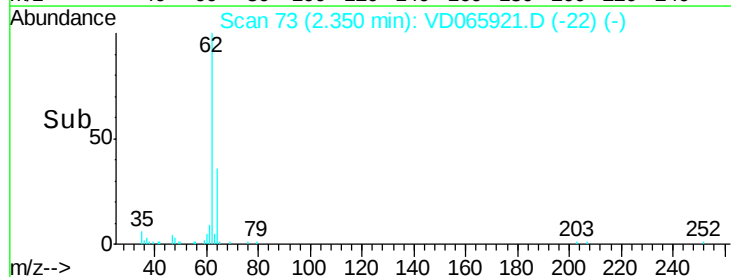
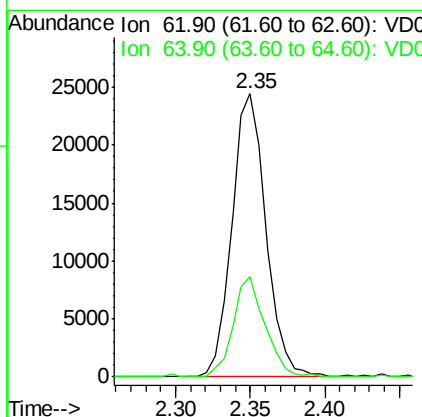
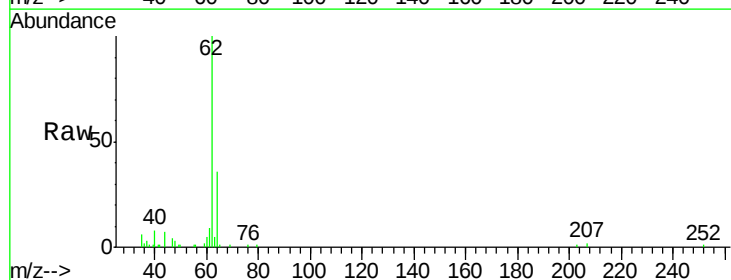
Acq: 07 Jul 2020 14:07

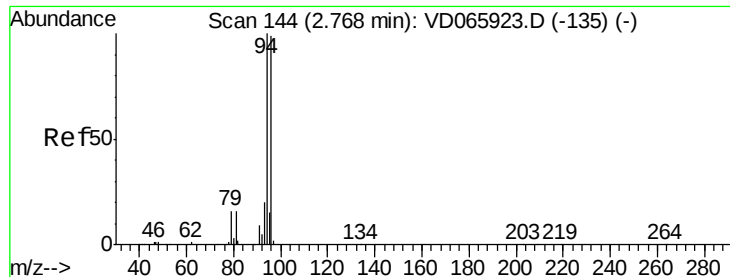
Tgt Ion: 62 Resp: 38731

Ion Ratio Lower Upper

62 100

64 35.6 27.2 40.8





#5

Bromomethane

Concen: 11.012 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 24790

Ion Ratio Lower Upper

94 100

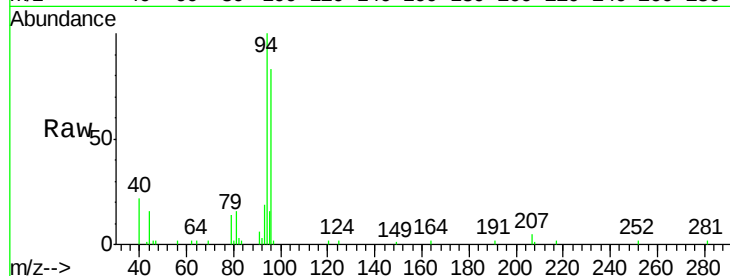
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Manual Integrations

APPROVED

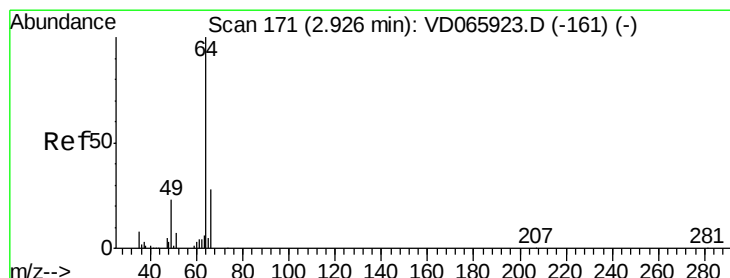
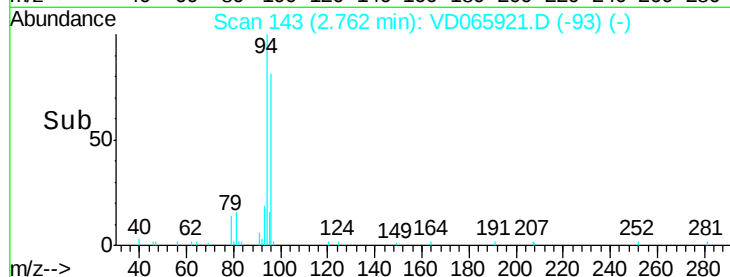
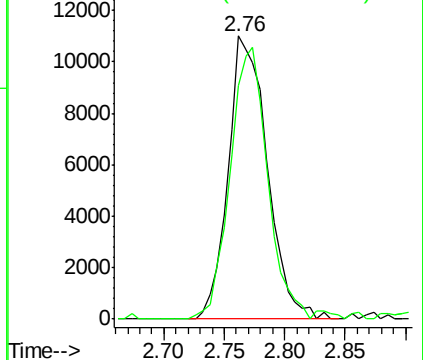
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.119 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065921.D

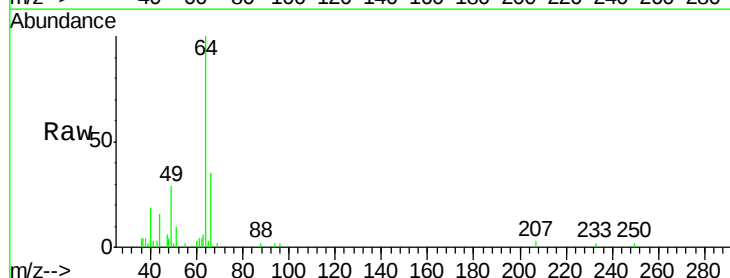
Acq: 07 Jul 2020 14:07

Tgt Ion: 64 Resp: 21498

Ion Ratio Lower Upper

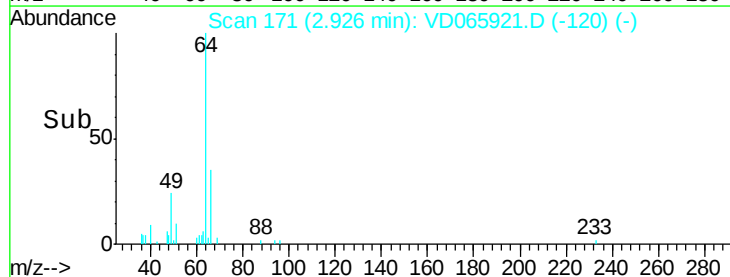
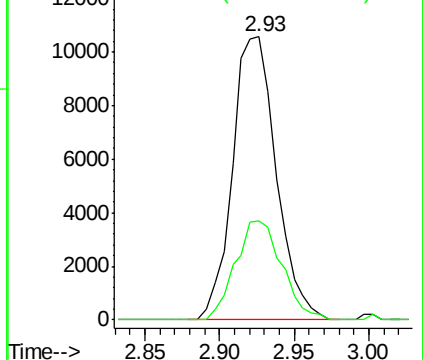
64 100

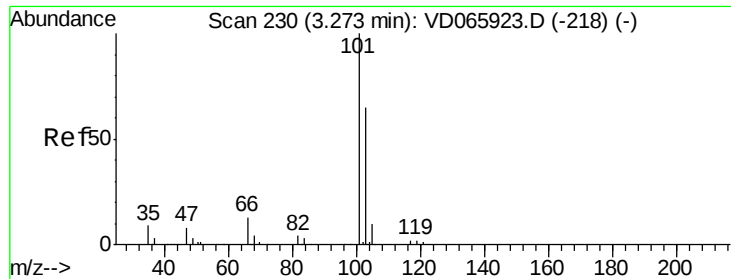
66 34.8 22.6 33.8#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

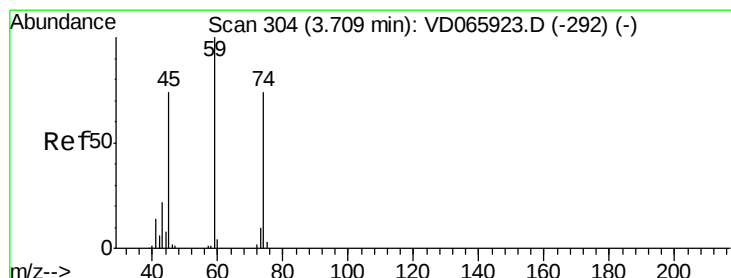
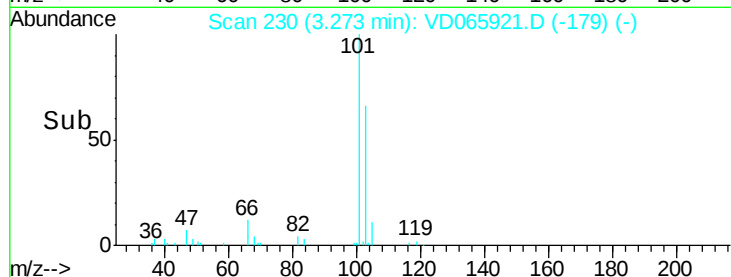
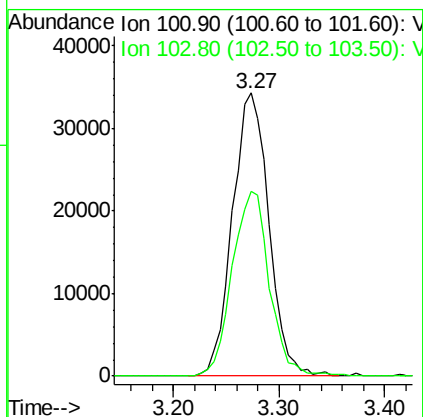
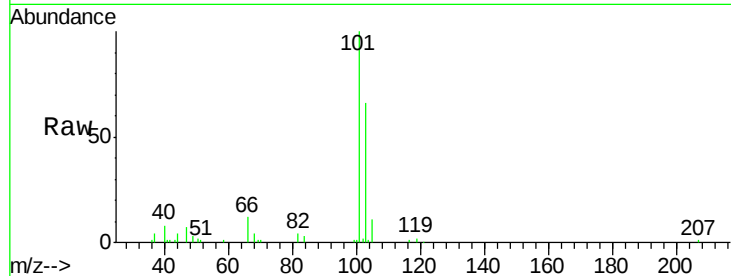
Trichlorofluoromethane
Concen: 10.759 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065921.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.7	77.5

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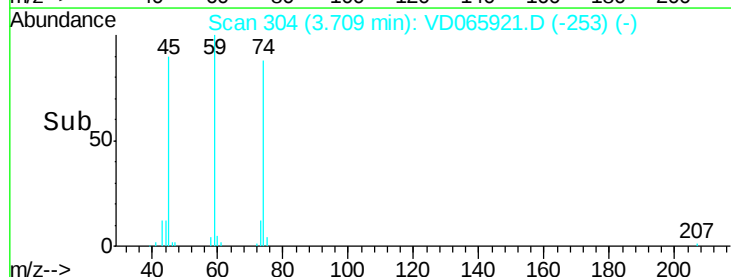
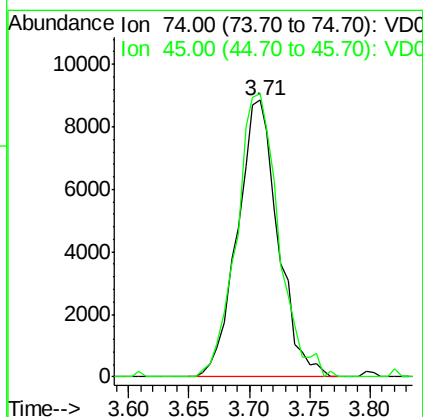
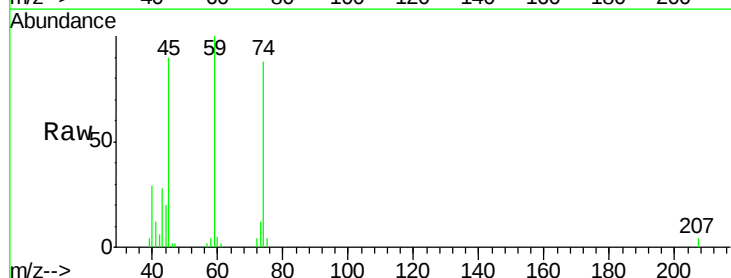
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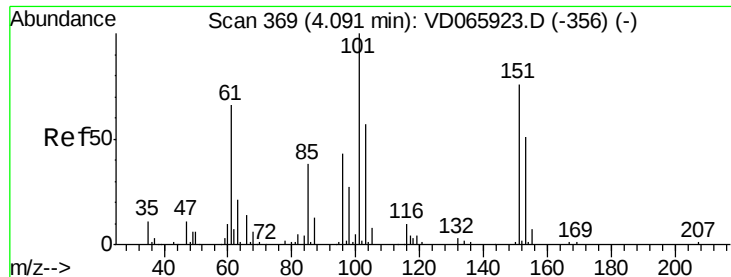


#8

Diethyl Ether
Concen: 9.921 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.1	153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.402 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

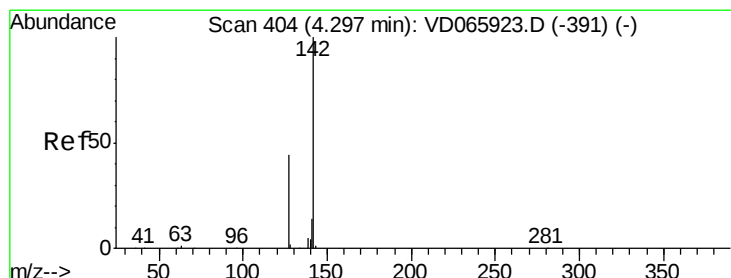
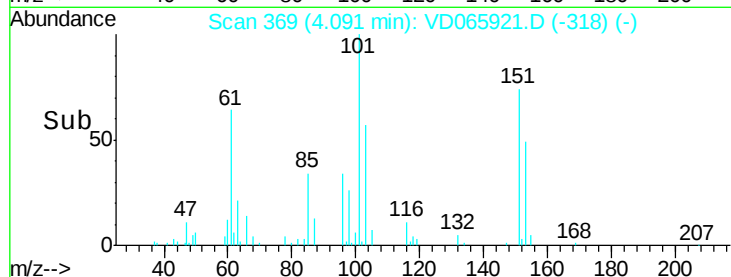
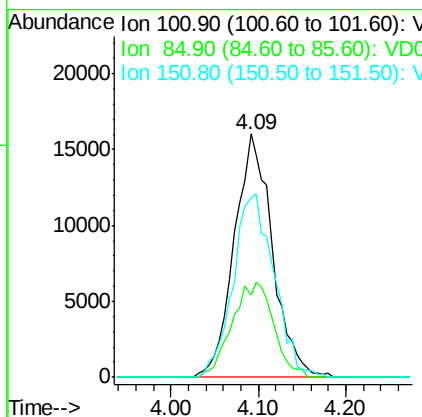
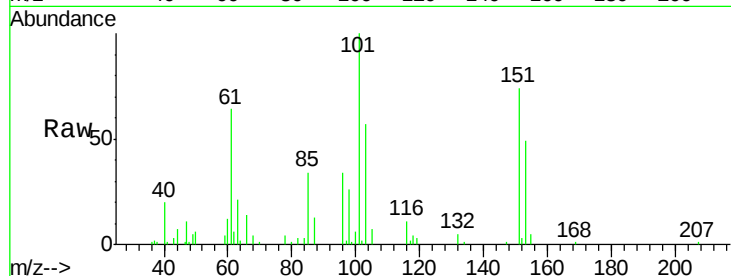
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	47392
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.8	50.8
151	81.1	64.1	96.1

Manual Integrations
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#10

Methyl Iodide

Concen: 8.649 ug/l

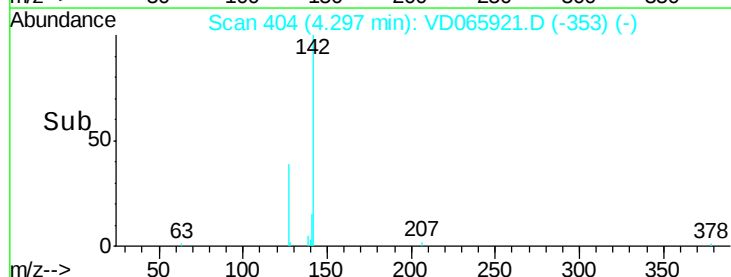
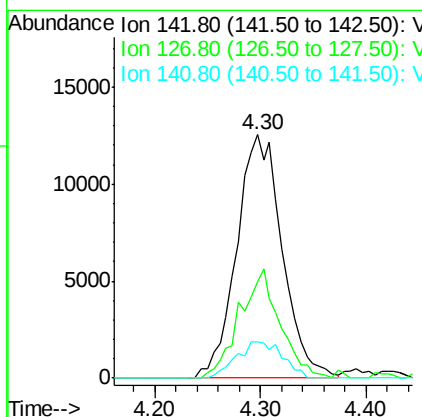
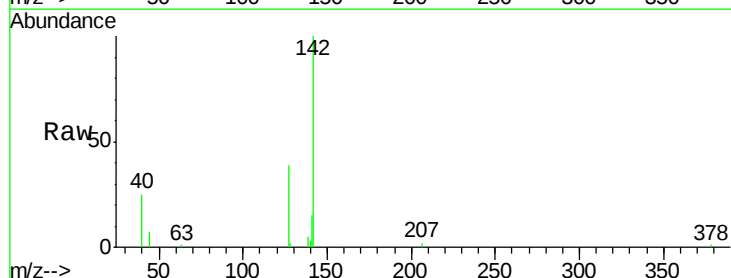
RT: 4.30 min Scan# 404

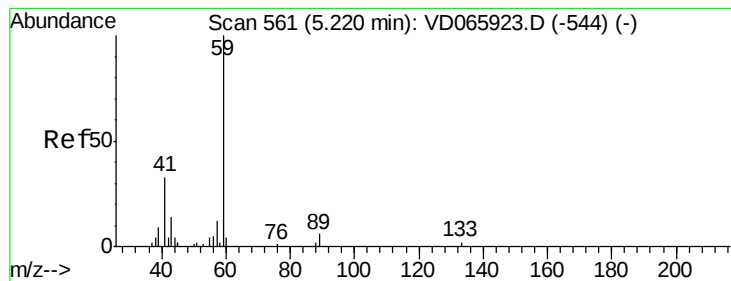
Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Tgt Ion:	142	Resp:	37425
Ion Ratio	Lower	Upper	
142	100		
127	40.0	34.6	51.8
141	15.1	11.6	17.4





#11

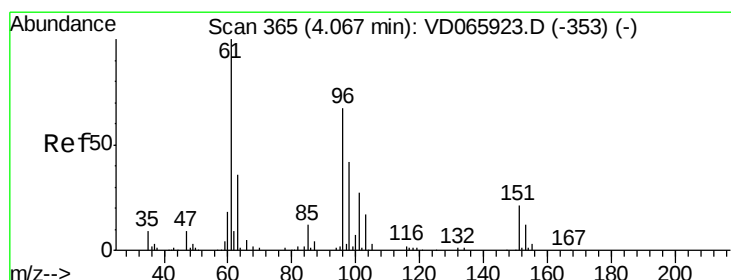
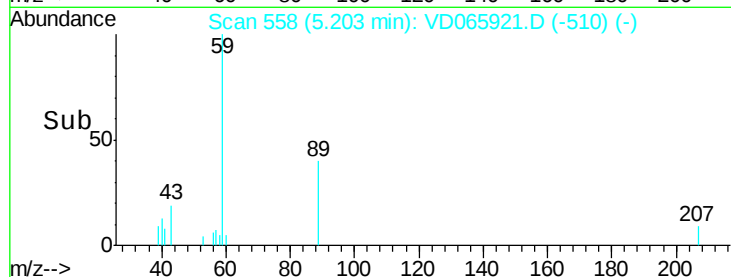
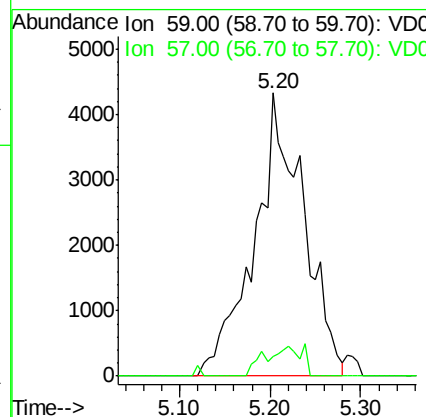
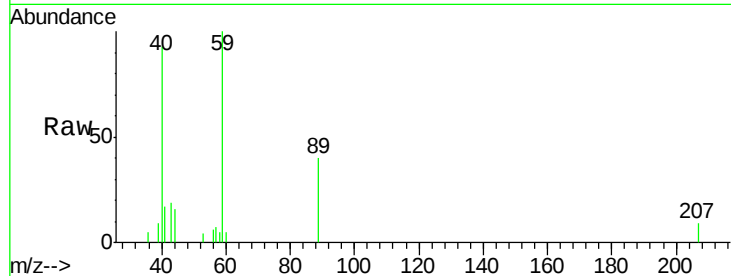
Tert butyl alcohol
Concen: 59.149 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

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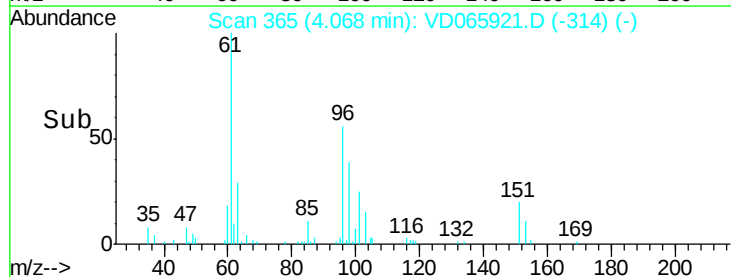
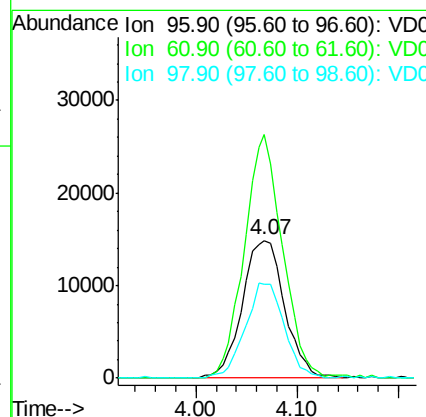
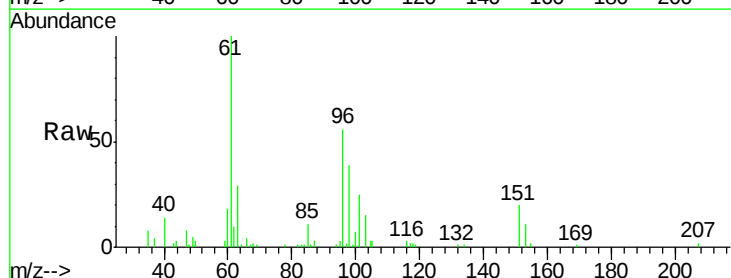
MMDadoda
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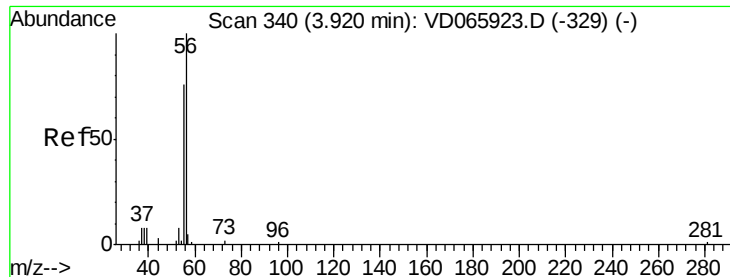


#12

1,1-Dichloroethene
Concen: 10.101 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.0	120.2	180.2
98	68.4	50.6	76.0





#13

Acrolein

Concen: 57.573 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 13221

Ion Ratio Lower Upper

56 100

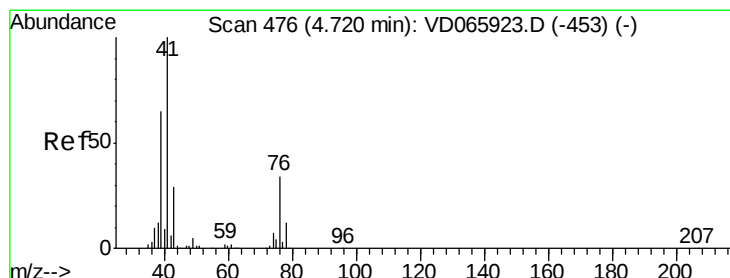
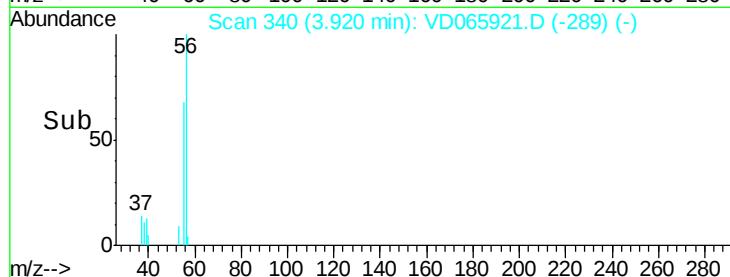
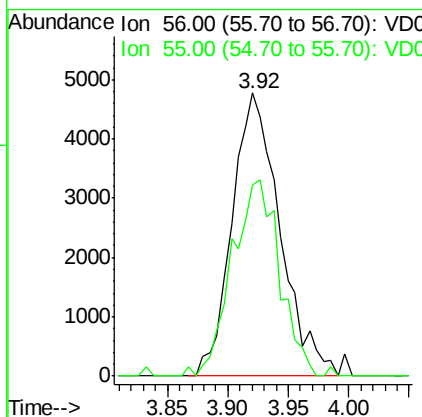
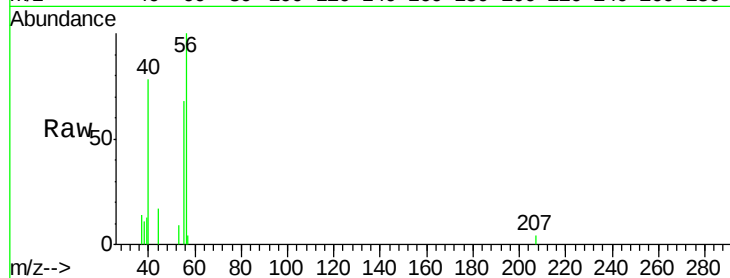
55 68.5 55.0 82.6

Manual Integrations

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#14

Allyl chloride

Concen: 10.197 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

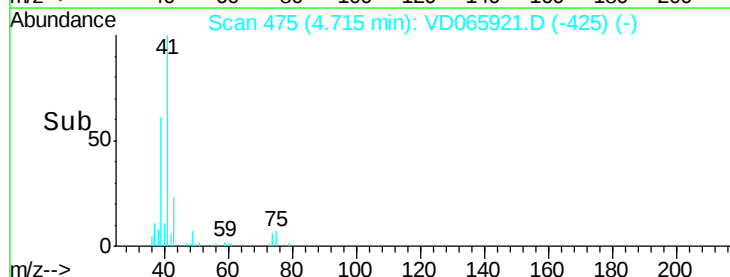
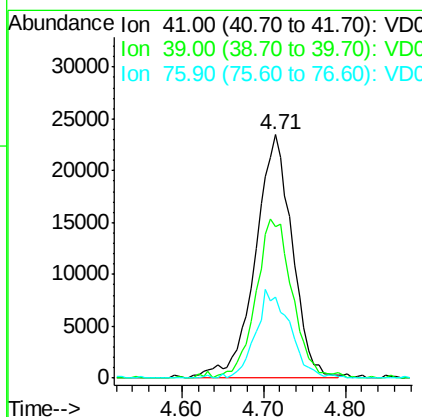
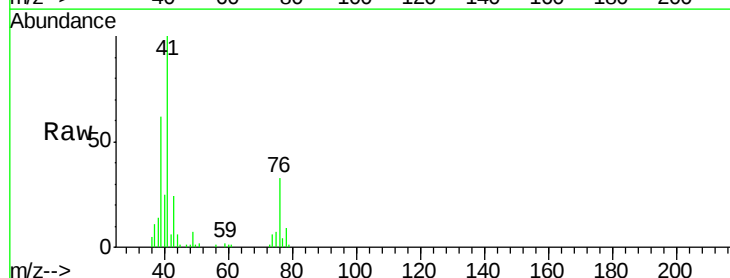
Tgt Ion: 41 Resp: 73550

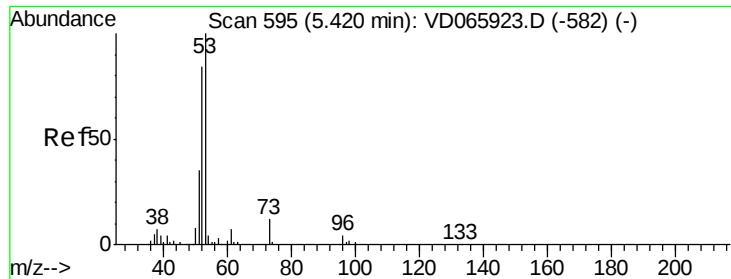
Ion Ratio Lower Upper

41 100

39 65.0 52.2 78.4

76 33.7 28.1 42.1





#15

Acrylonitrile

Concen: 49.337 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

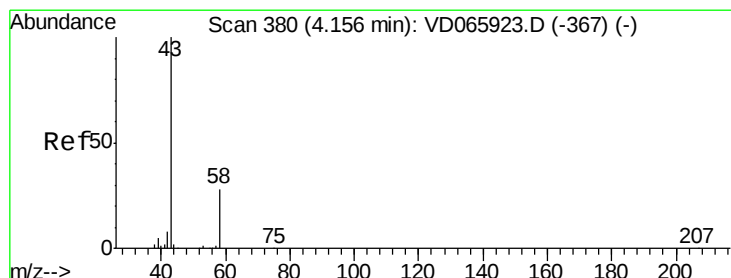
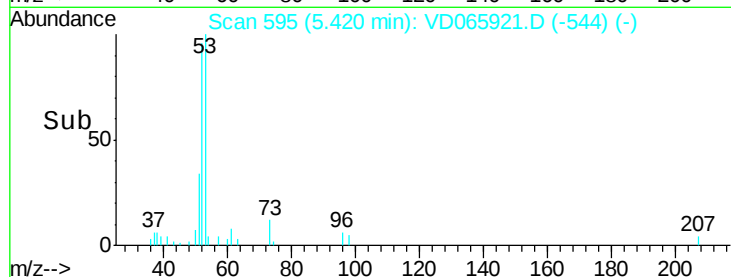
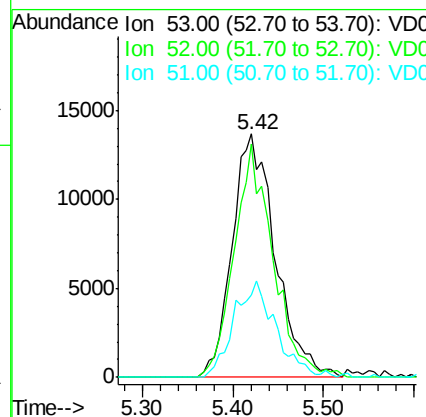
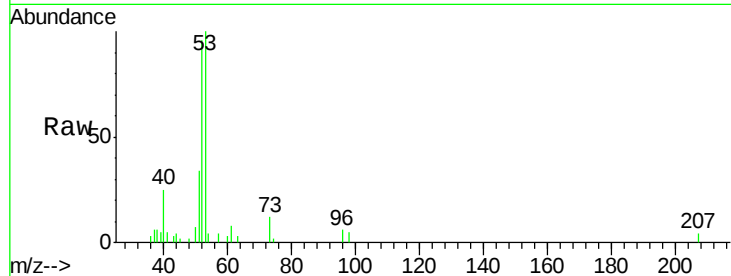
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	45139
Ion	Ratio	Lower	Upper
53	100		
52	85.4	66.3	99.5
51	38.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 52.241 ug/l

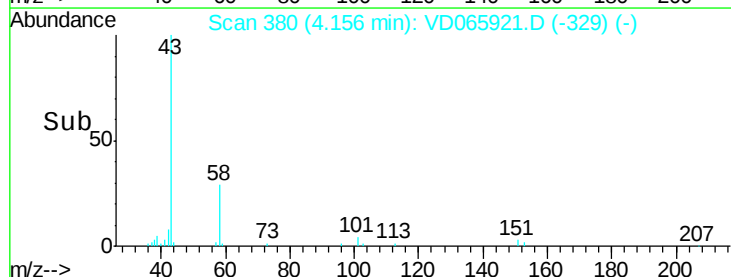
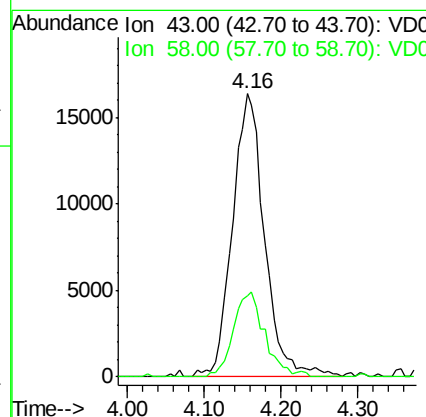
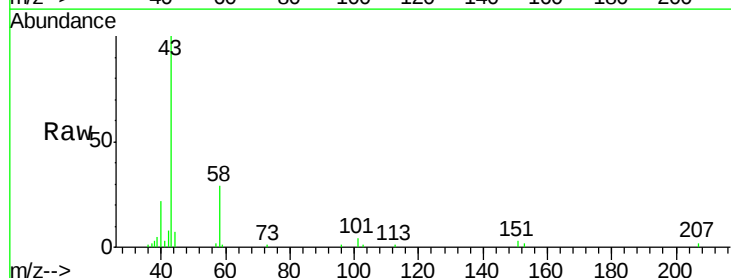
RT: 4.16 min Scan# 380

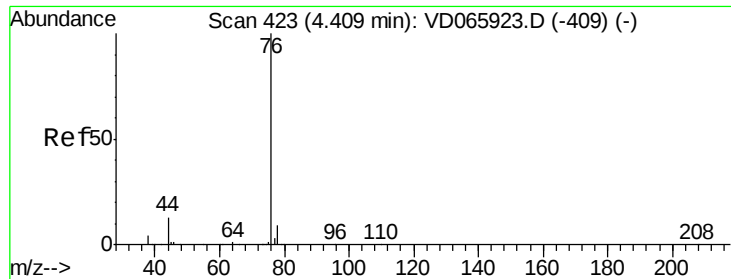
Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Tgt Ion:	43	Resp:	47653
Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.7	34.1





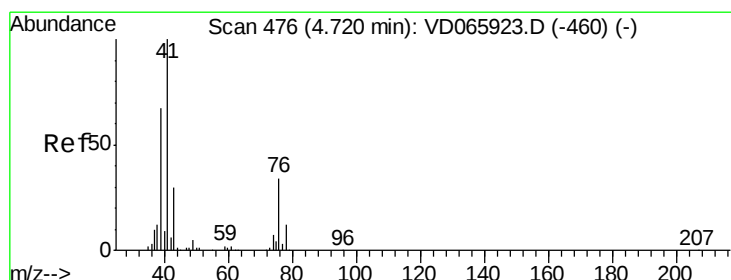
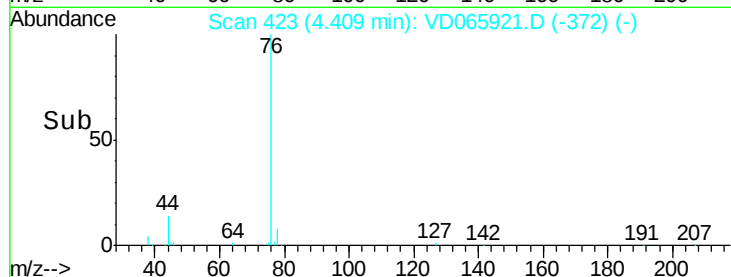
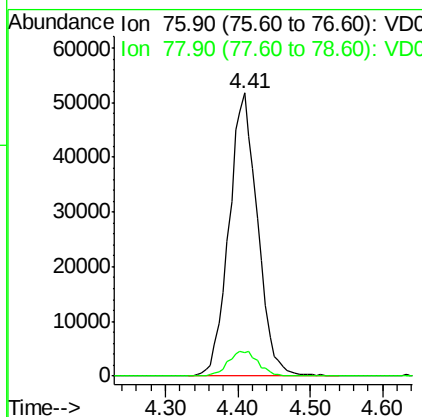
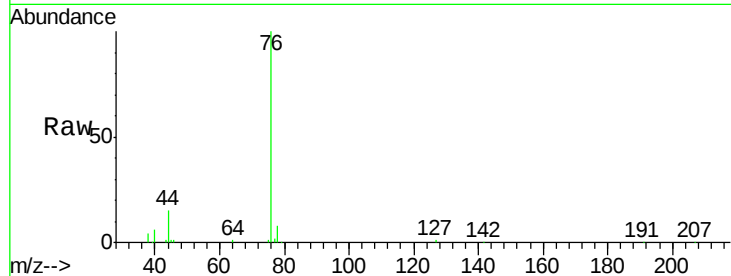
#17
Carbon Disulfide
Concen: 10.446 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.5	11.3

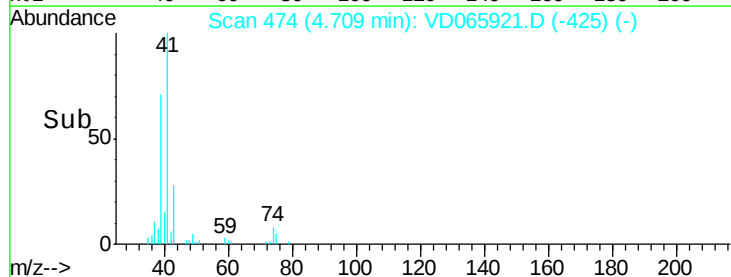
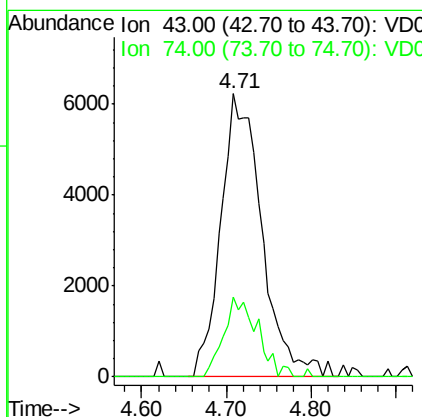
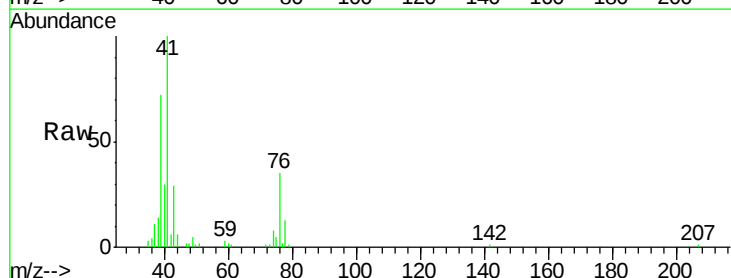
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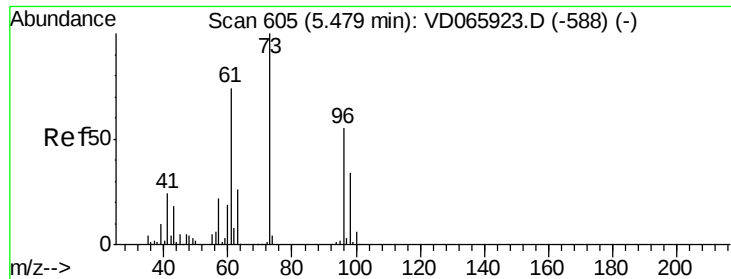
MMDadoda
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#18
Methyl Acetate
Concen: 9.806 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.8	26.8





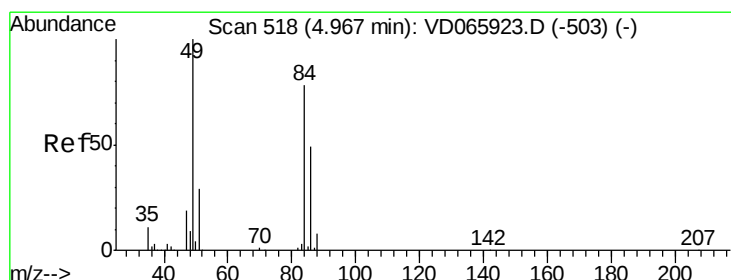
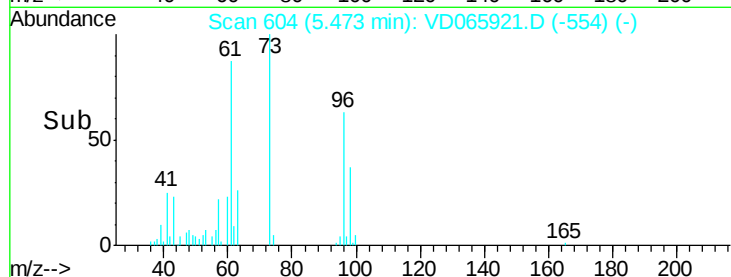
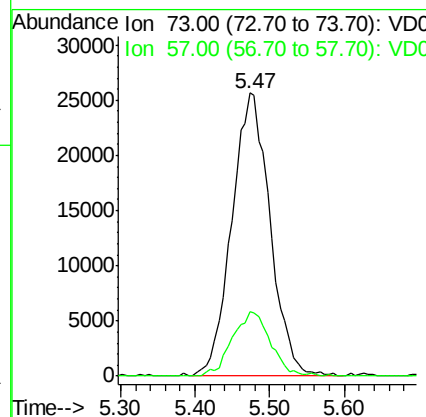
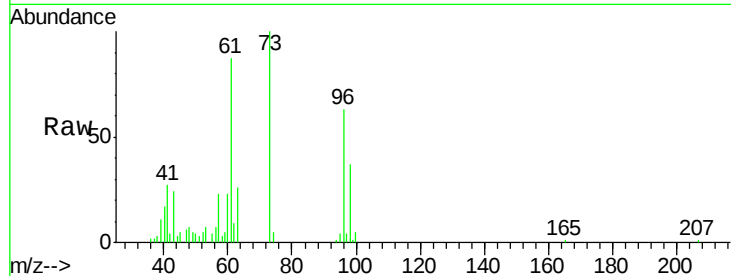
#19
Methyl tert-butyl Ether
Concen: 10.139 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 91363
Ion Ratio Lower Upper
73 100
57 22.7 17.7 26.5

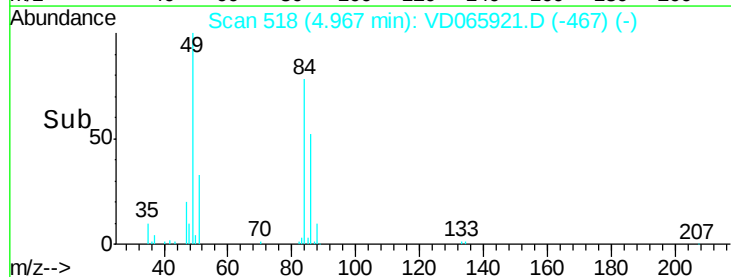
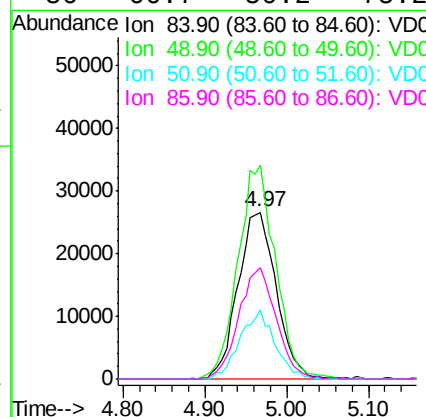
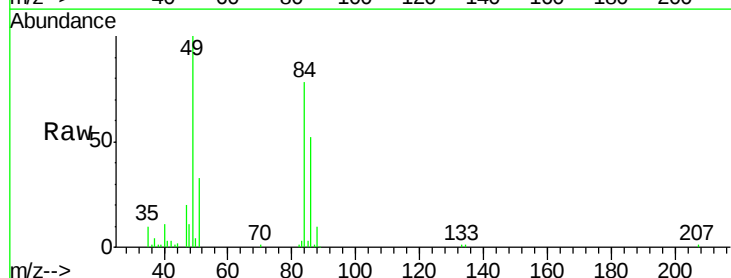
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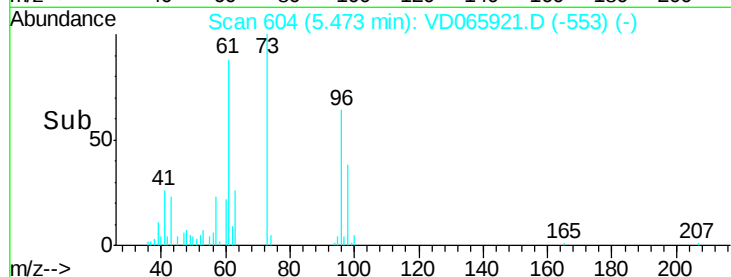
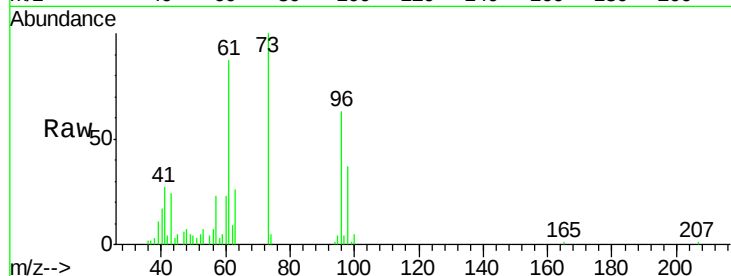
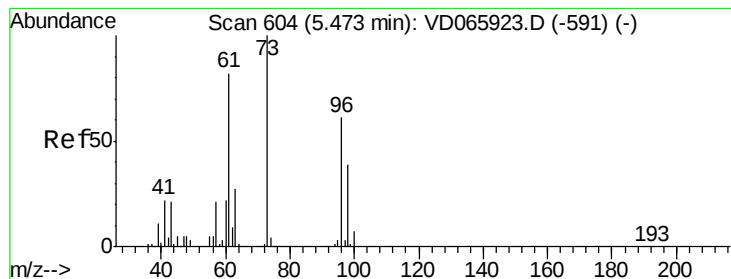
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#20
Methylene Chloride
Concen: 13.387 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion: 84 Resp: 86748
Ion Ratio Lower Upper
84 100
49 127.4 102.2 153.2
51 41.6 29.8 44.6
86 66.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 10.365 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Tot Ion:	96	Resp:	49638
Ion	Ratio	Lower	Upper
96	100		
61	137.4	106.6	160.0
98	59.1	51.0	76.6

Instrument :

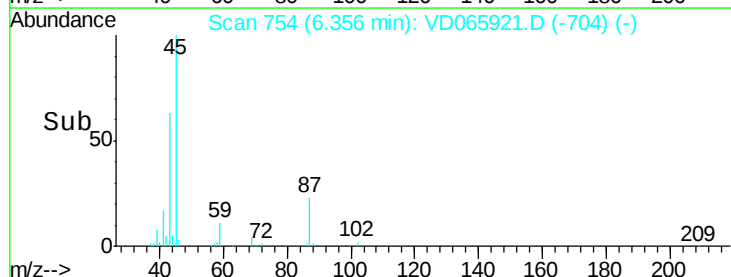
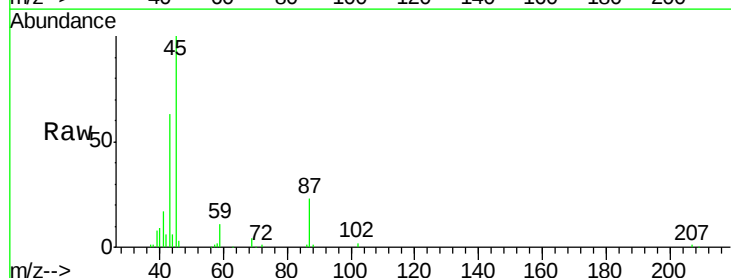
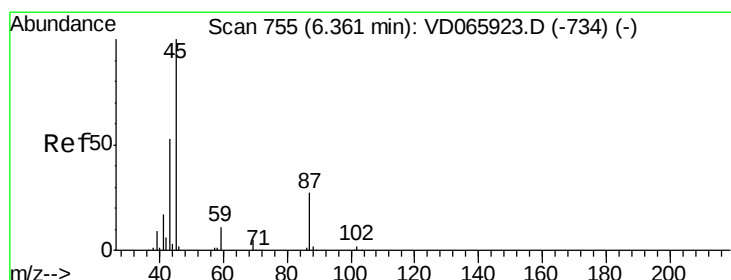
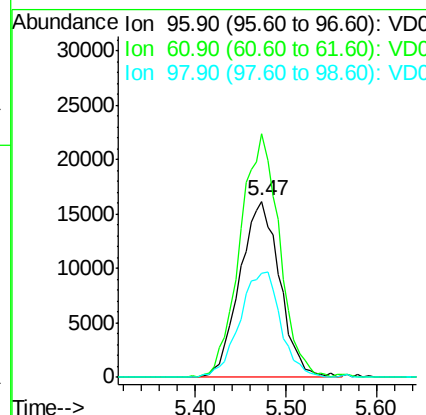
MSVOA_D

ClientSampleId :

VSTDIC010

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#22

Diisopropyl ether

Concen: 10.180 ug/l

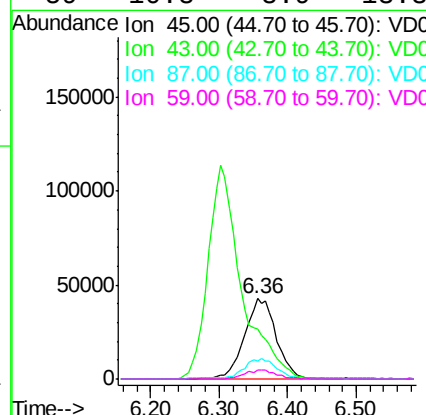
RT: 6.36 min Scan# 754

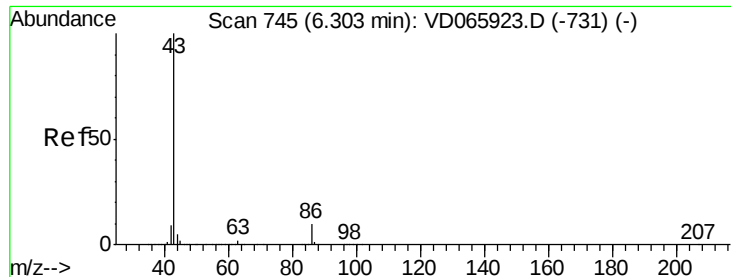
Delta R.T. -0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Tgt Ion:	45	Resp:	137992
Ion	Ratio	Lower	Upper
45	100		
43	61.3	42.5	63.7
87	22.6	22.2	33.2
59	10.8	8.9	13.3





#23

Vinyl Acetate

Concen: 49.788 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 385229

Ion Ratio Lower Upper

43 100

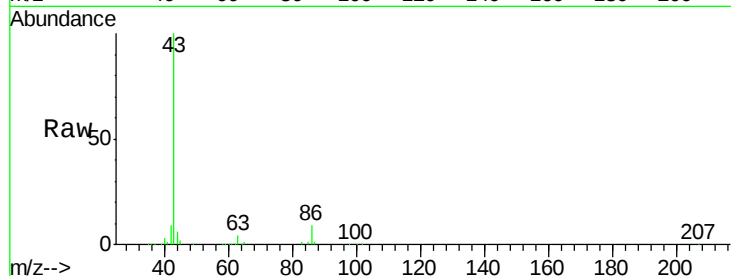
86 8.8 8.1 12.1

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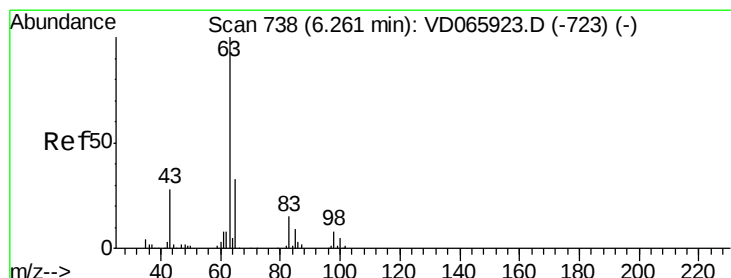
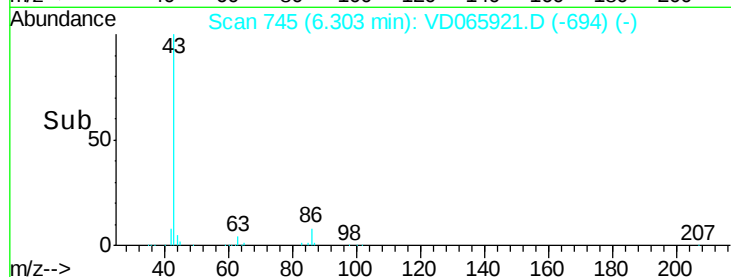
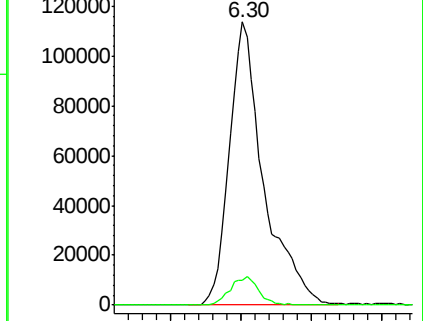
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 10.145 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

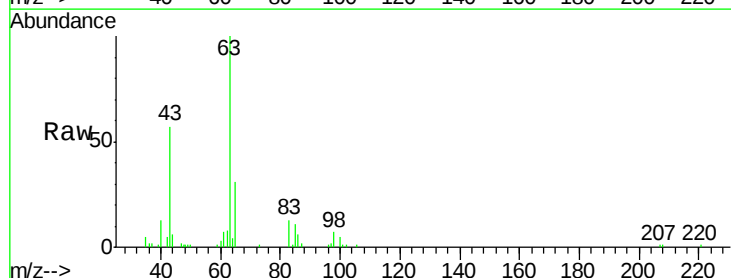
Tgt Ion: 63 Resp: 82001

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

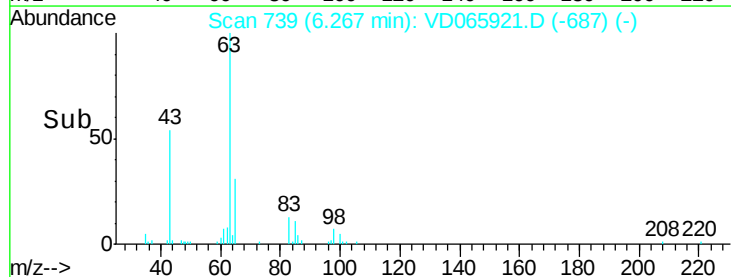
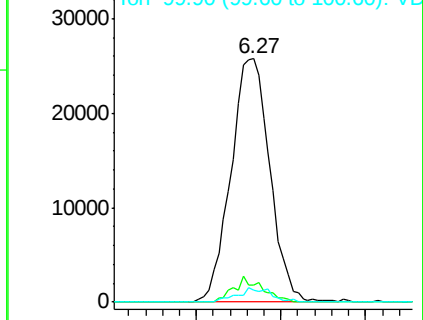
100 5.1 2.5 7.5

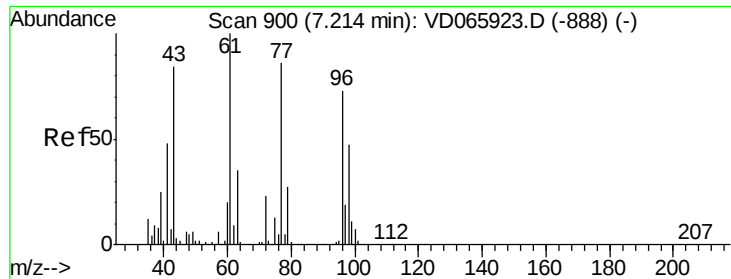


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 51.983 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 62658

Ion Ratio Lower Upper

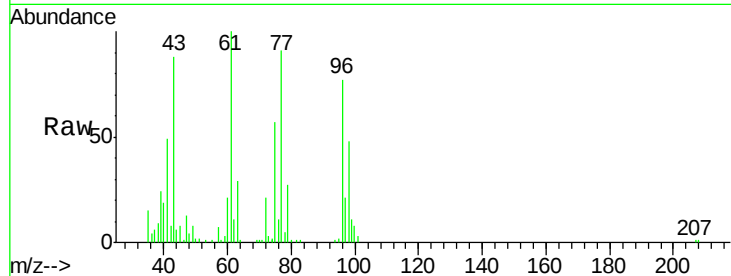
43 100

72 24.0 22.1 33.1

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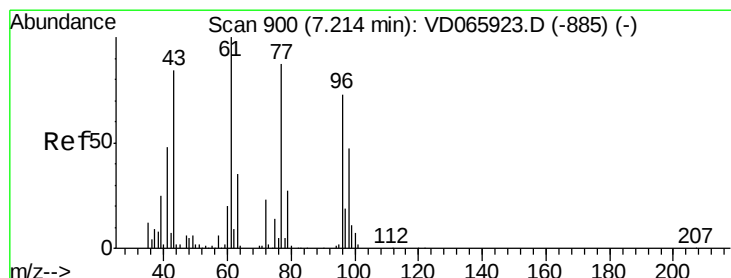
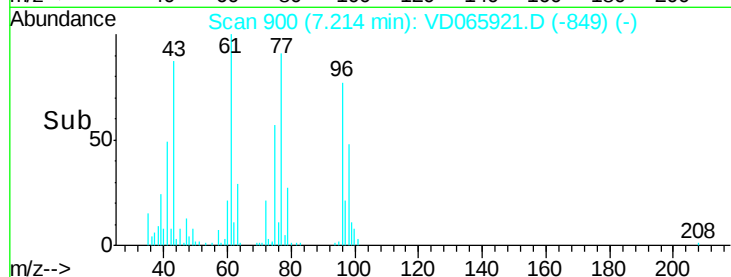
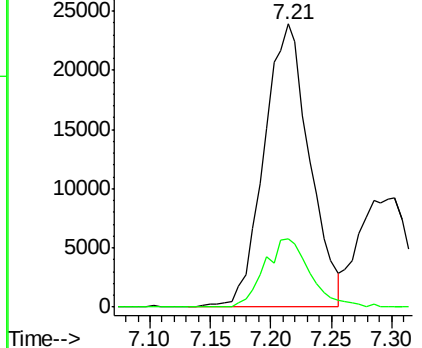
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.479 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065921.D

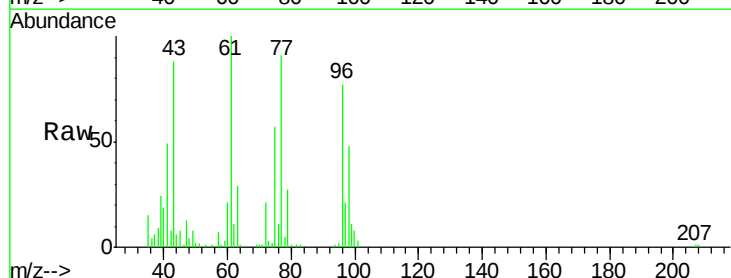
Acq: 07 Jul 2020 14:07

Tgt Ion: 77 Resp: 74097

Ion Ratio Lower Upper

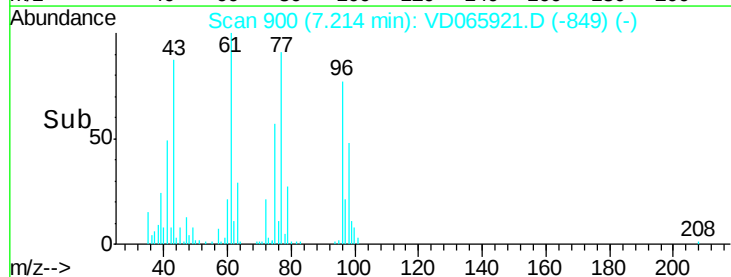
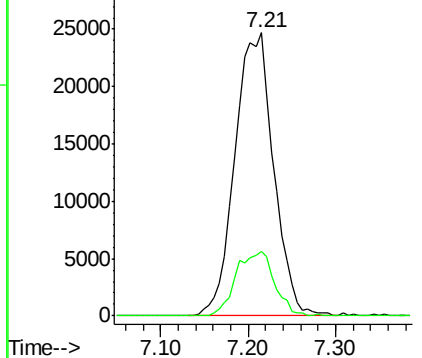
77 100

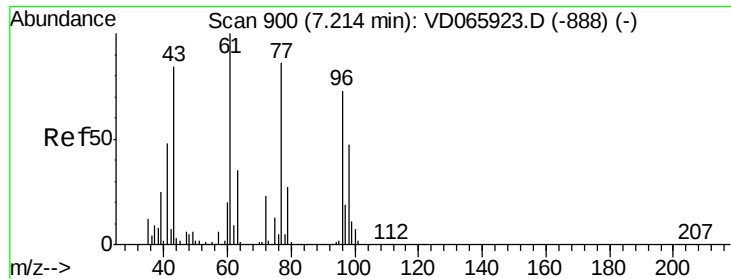
97 22.5 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

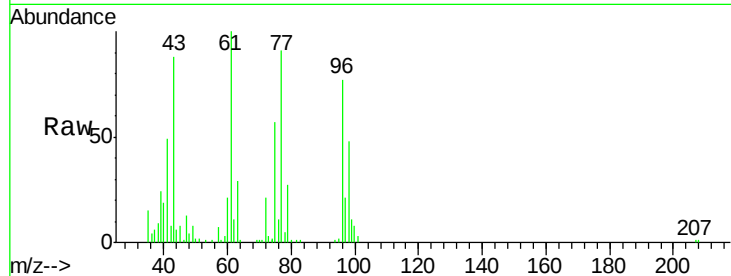
cis-1,2-Dichloroethene
Concen: 10.222 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

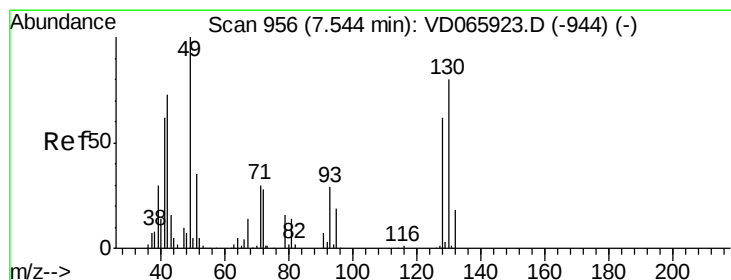
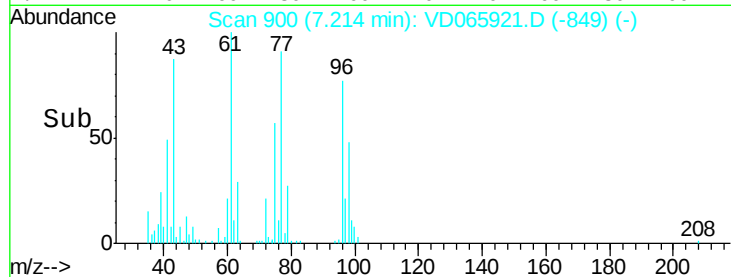
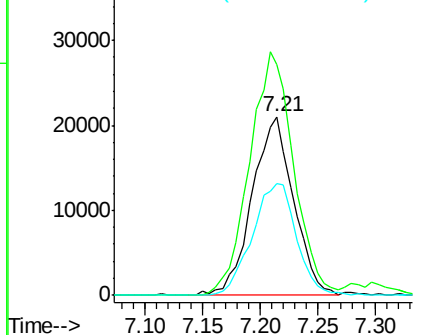
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	286.6
98	66.7	0.0	128.2

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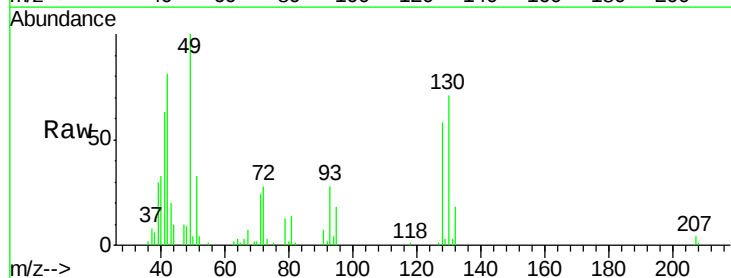
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



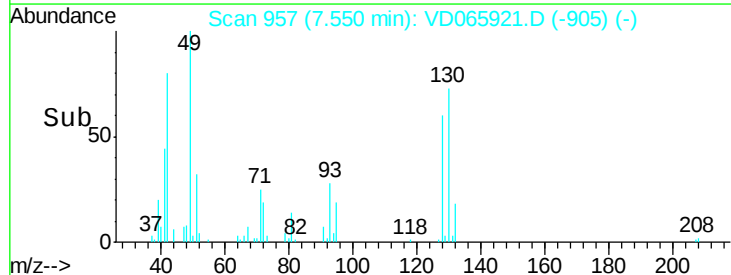
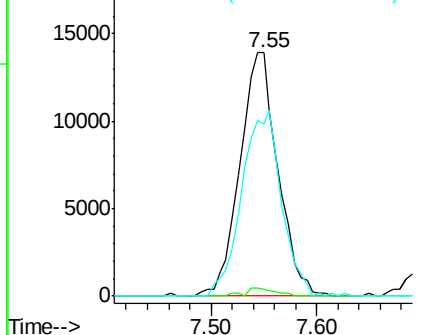
#28

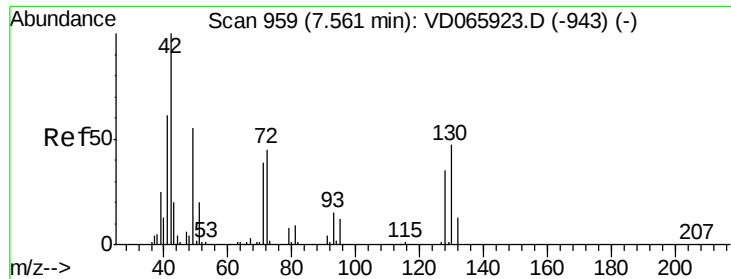
Bromochloromethane
Concen: 11.418 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	79.0	65.8	98.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





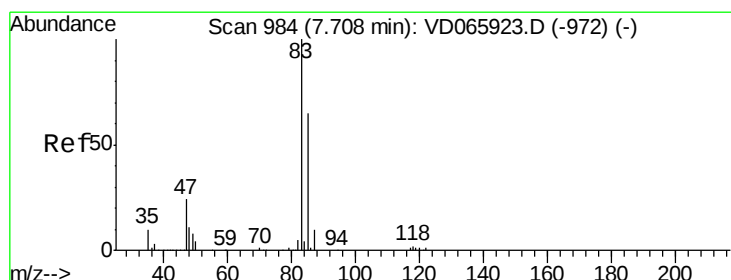
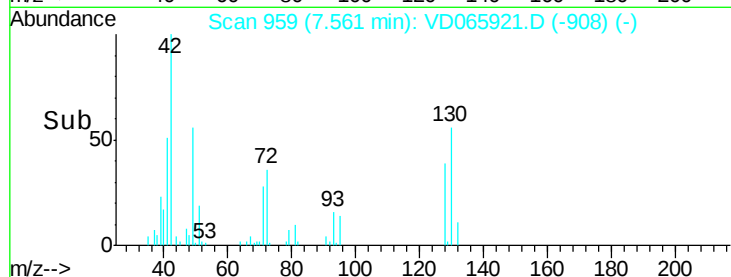
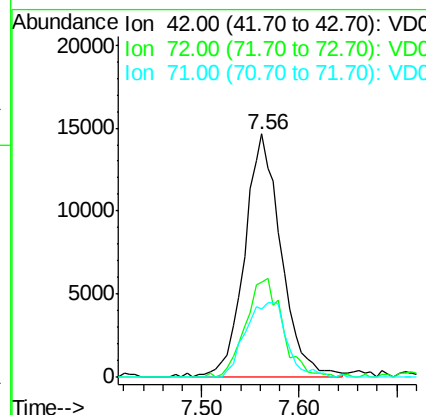
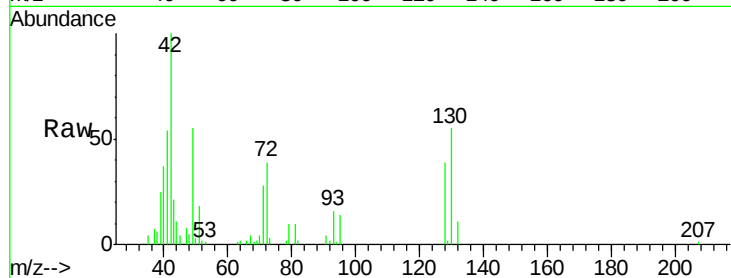
#29
Tetrahydrofuran
Concen: 50.232 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.8	49.2
71	34.8	31.0	46.4

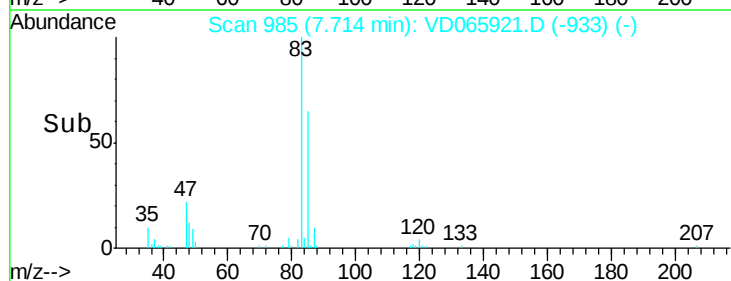
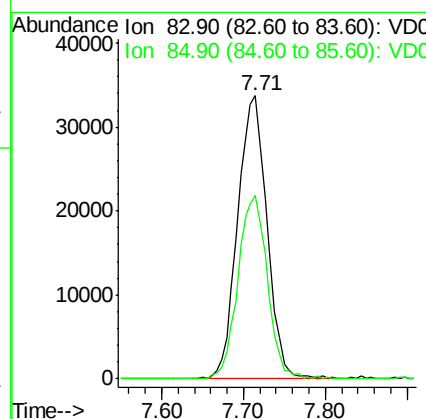
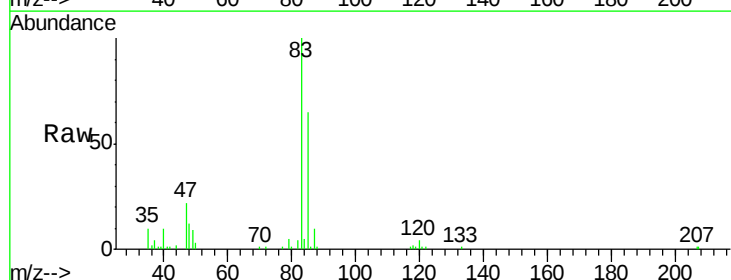
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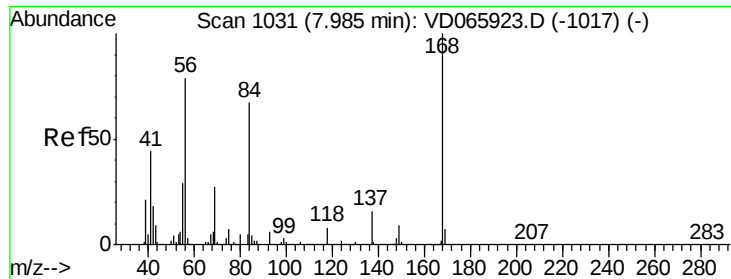
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#30
Chloroform
Concen: 10.293 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.6	77.4





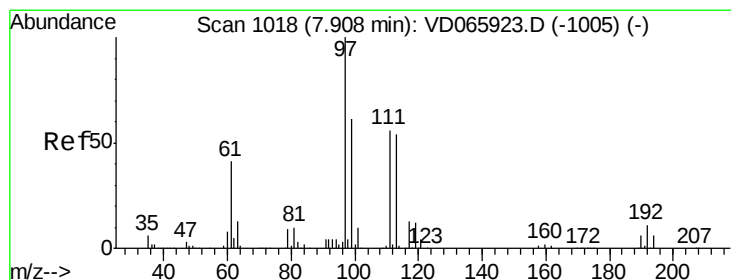
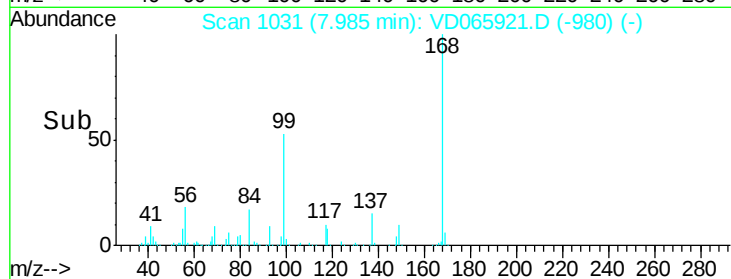
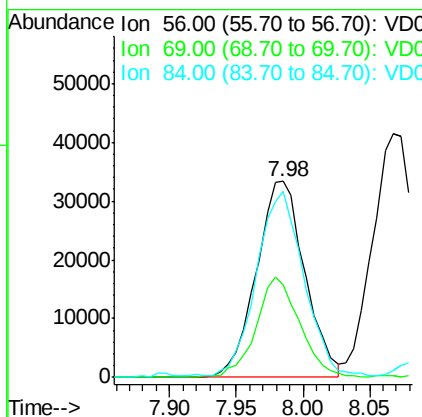
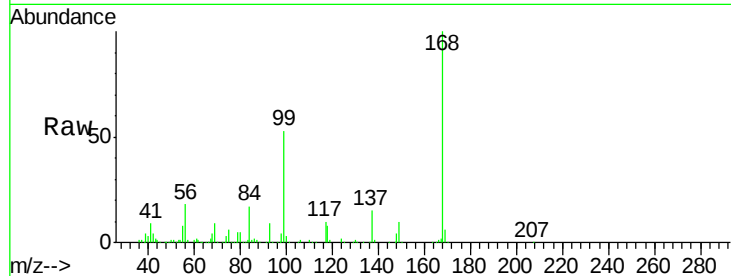
#31
Cyclohexane
Concen: 10.559 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	46.7	27.4	41.0	
84	94.3	68.6	102.8	

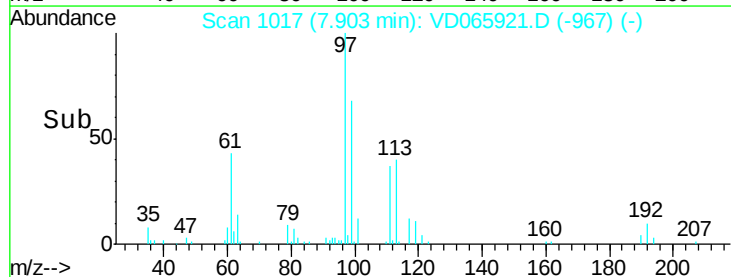
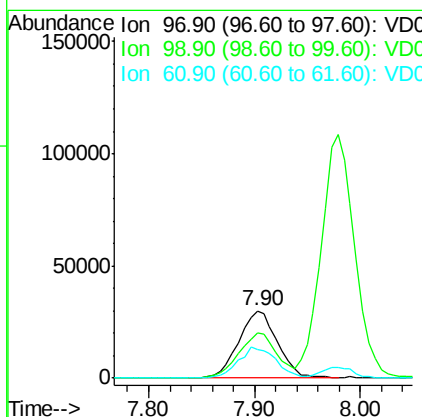
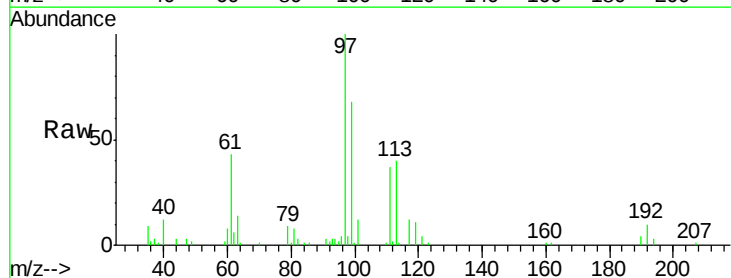
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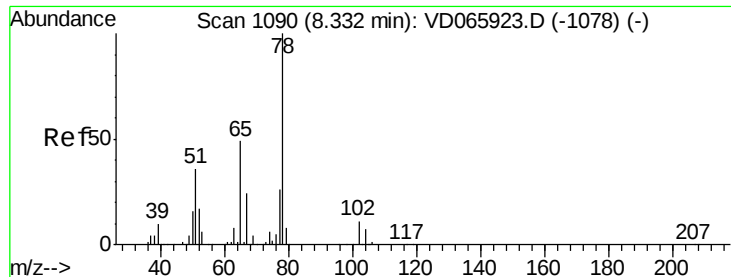
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#32
1,1,1-Trichloroethane
Concen: 10.193 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	66.6	51.6	77.4	
61	45.0	33.6	50.4	





#33

1,2-Dichloroethane-d4

Concen: 10.209 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 39735

Ion Ratio Lower Upper

65 100

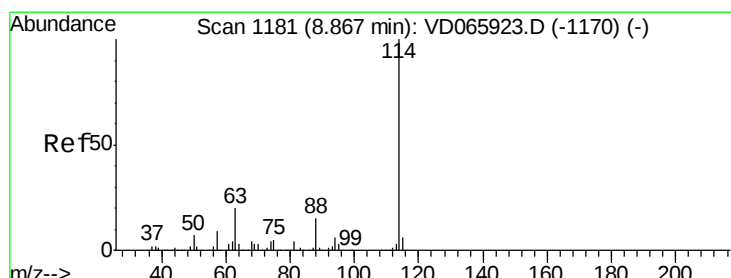
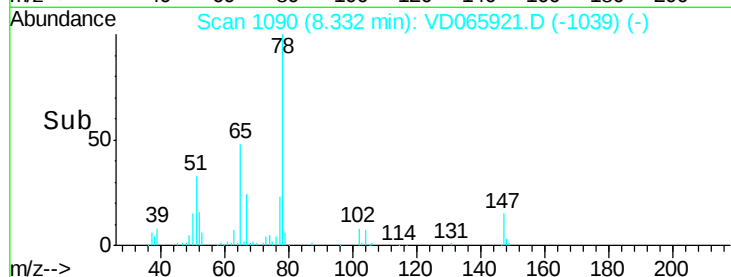
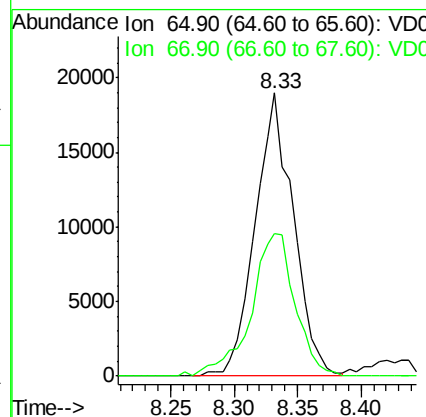
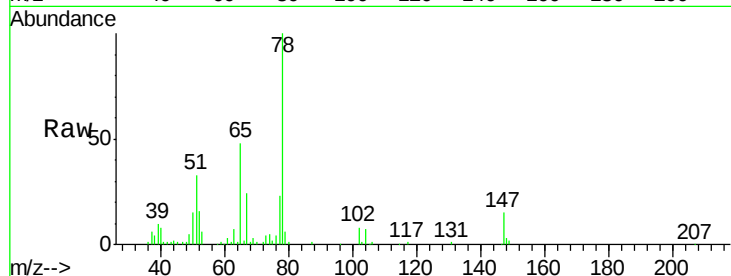
67 58.0 0.0 105.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

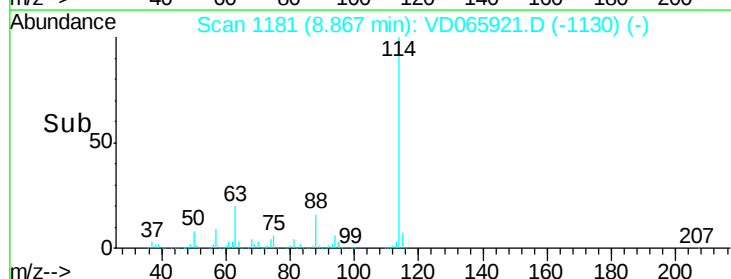
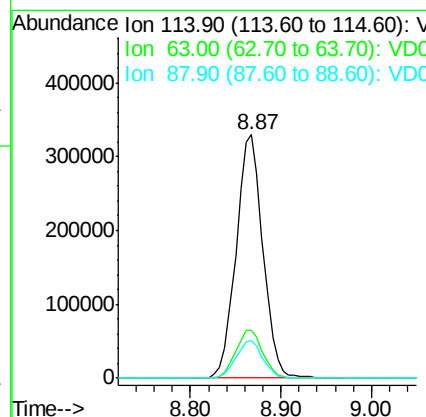
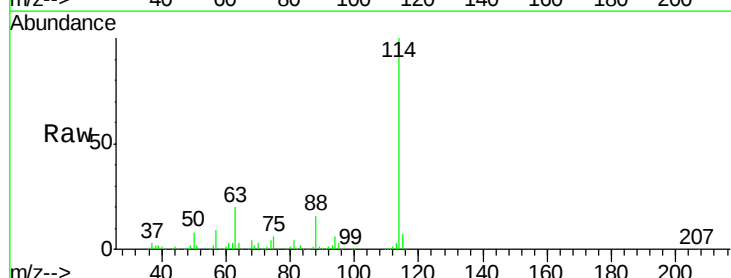
Tgt Ion: 114 Resp: 677049

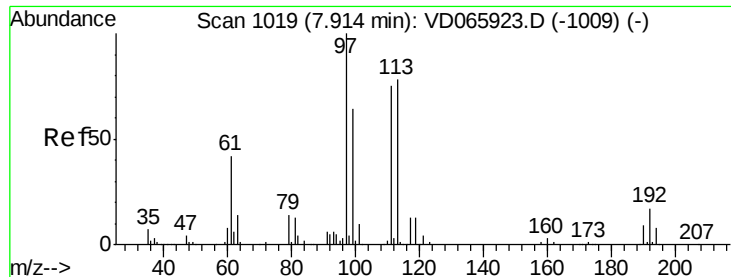
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

88 15.5 0.0 30.0





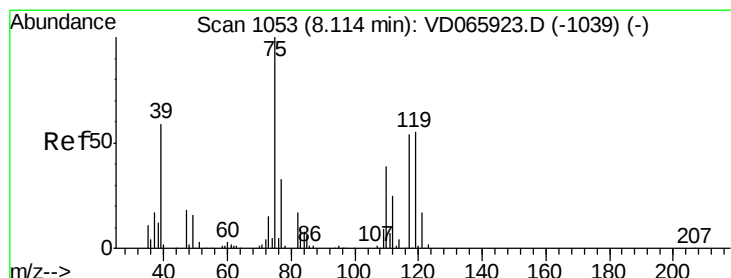
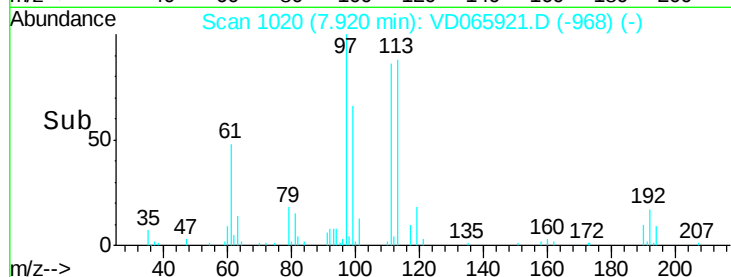
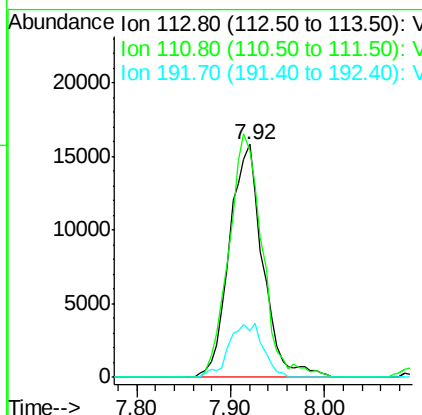
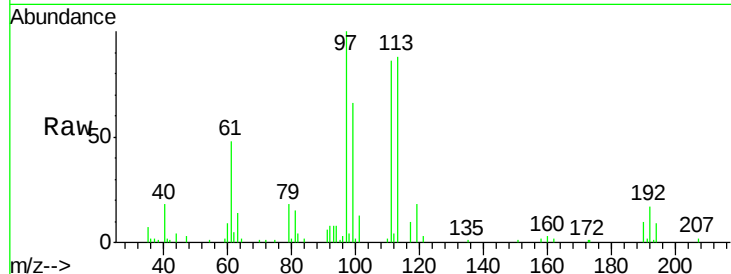
#35
 Dibromofluoromethane
 Concen: 9.358 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	80.9	121.3
192	23.5	17.1	25.7

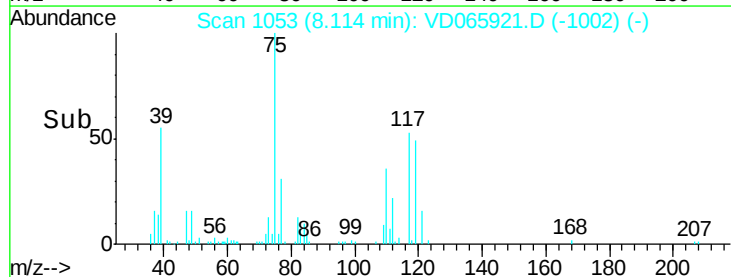
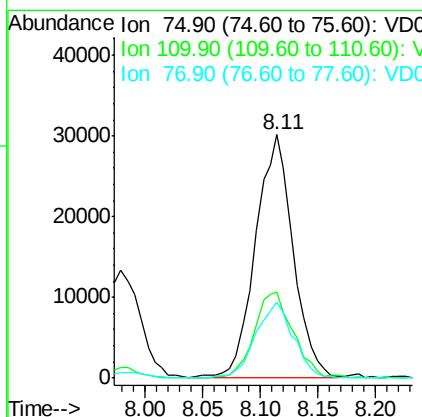
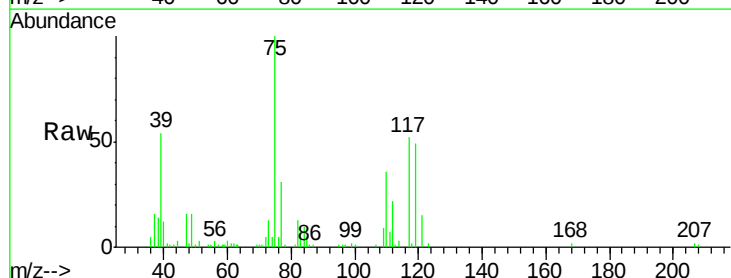
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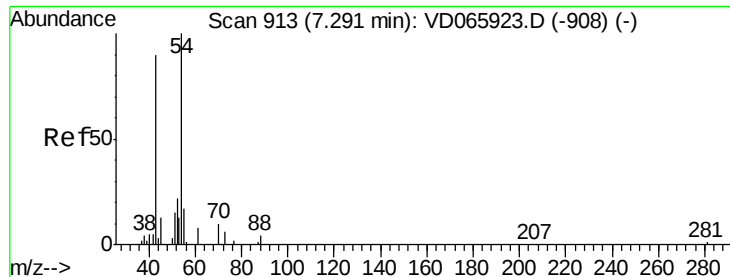
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#36
 1,1-Dichloropropene
 Concen: 10.218 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.5	55.5
77	31.4	25.6	38.4





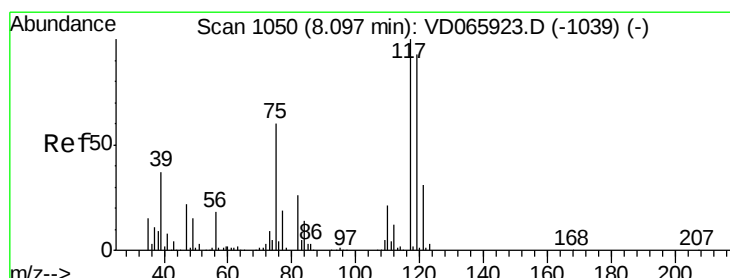
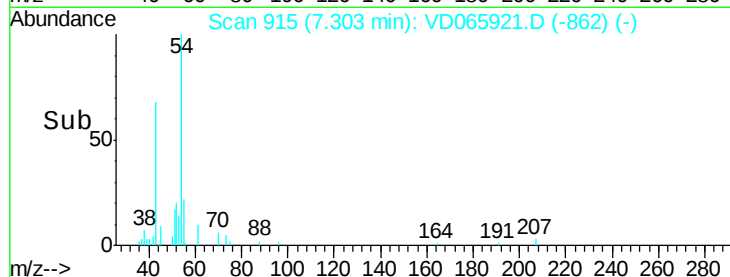
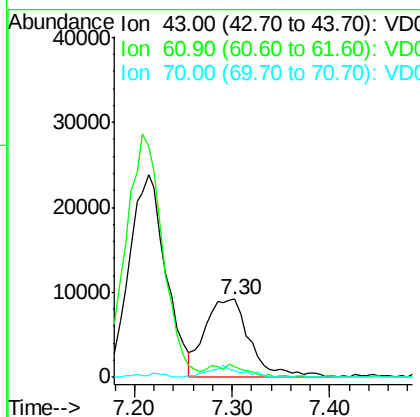
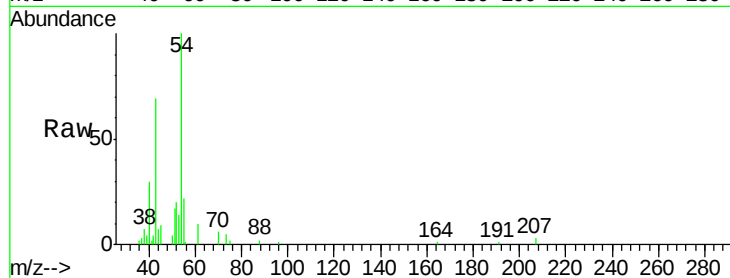
#37
Ethyl Acetate
Concen: 10.540 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.4	14.0#
70	10.9	8.3	12.5

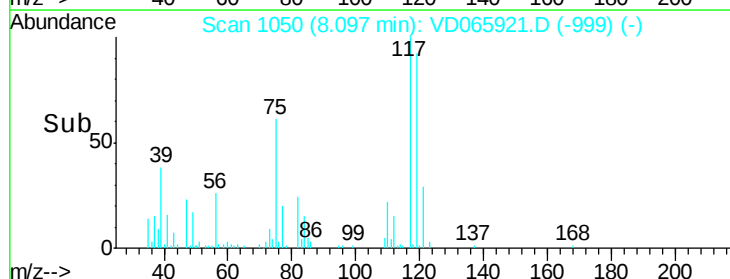
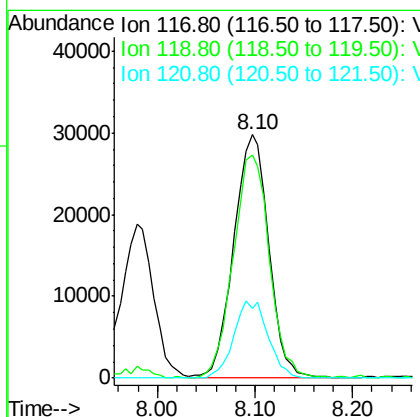
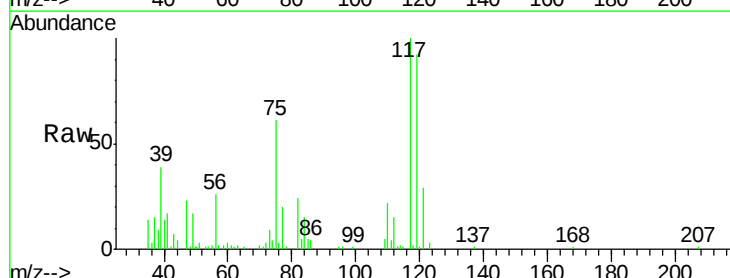
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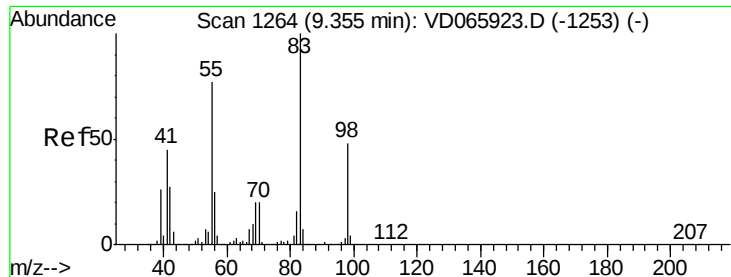
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#38
Carbon Tetrachloride
Concen: 10.366 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	74.7	112.1
121	28.8	24.9	37.3





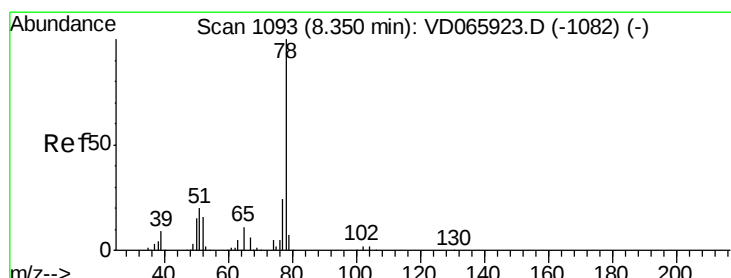
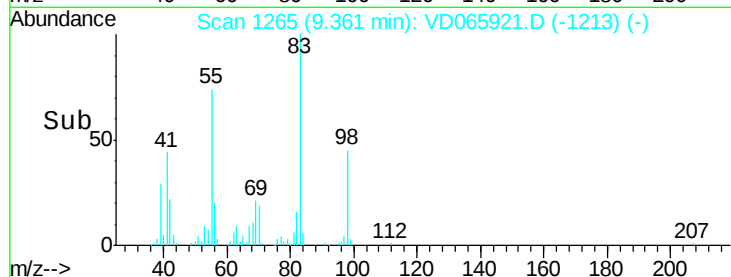
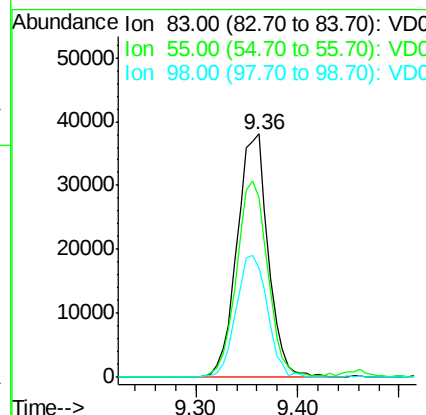
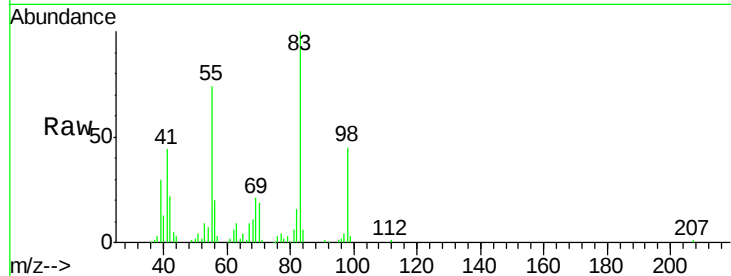
#39
Methvlcvclohexane
Concen: 9.890 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	81193
Ion Ratio	Lower	Upper	
83	100		
55	74.0	61.7	92.5
98	45.0	38.6	58.0

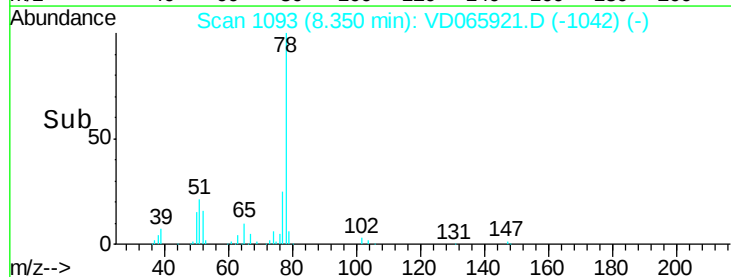
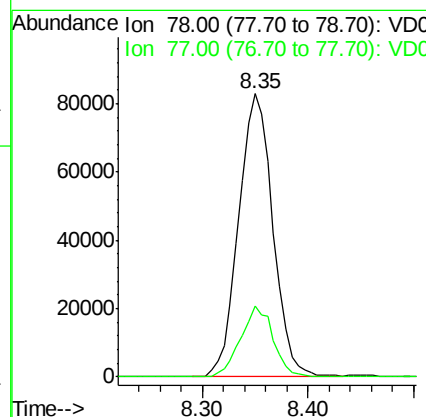
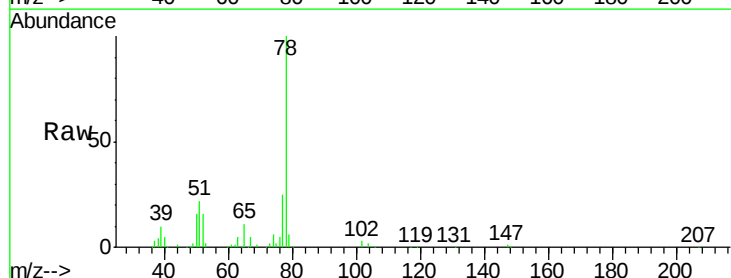
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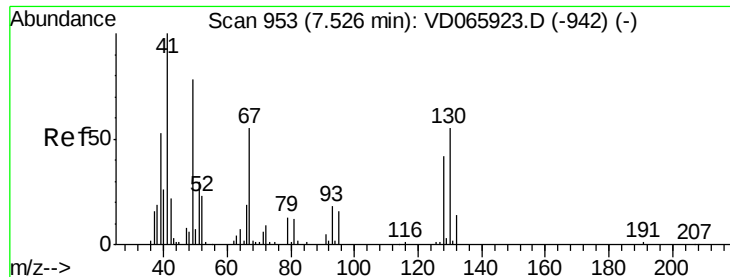
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#40
Benzene
Concen: 10.082 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	78	Resp	186244
Ion Ratio	Lower	Upper	
78	100		
77	25.1	19.4	29.0





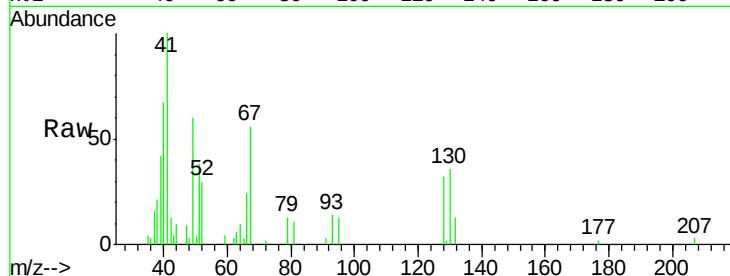
#41
Methacrylonitrile
Concen: 10.194 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

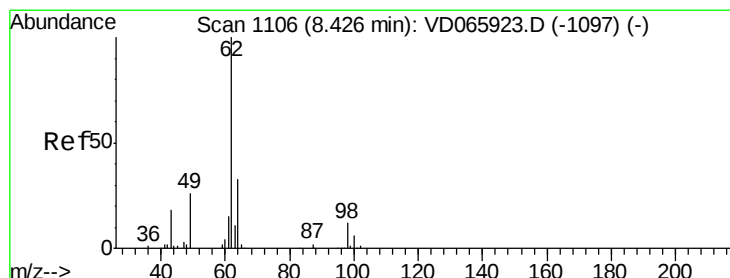
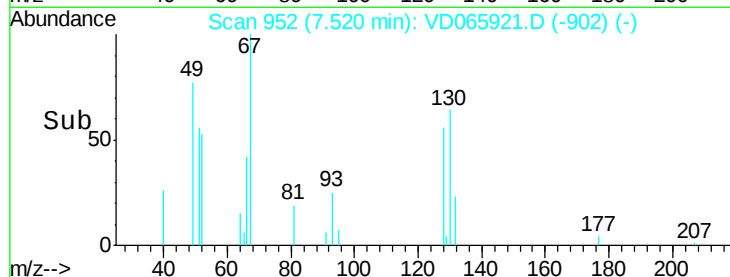
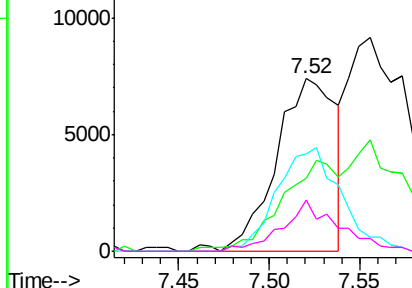
Tot Ion	Ratio	Lower	Upper
41	100		
39	49.7	42.4	63.6
67	65.1	53.6	80.4
52	27.8	22.2	33.2

Manual Integrations
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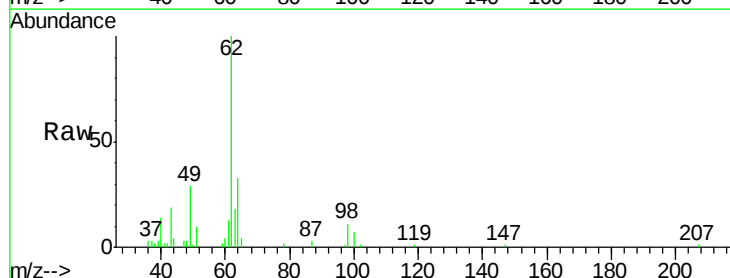


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

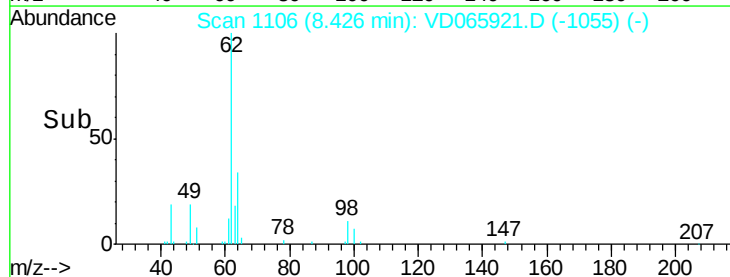
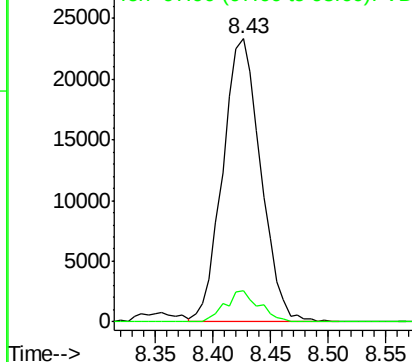


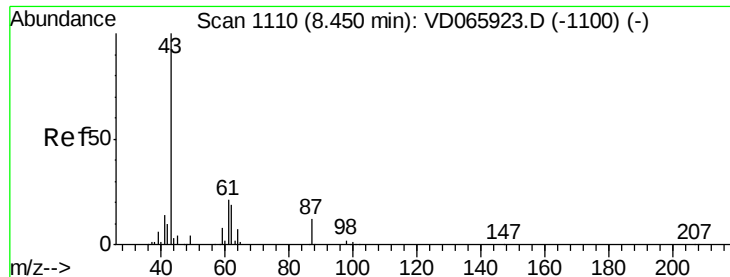
#42
1,2-Dichloroethane
Concen: 10.183 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 9.936 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

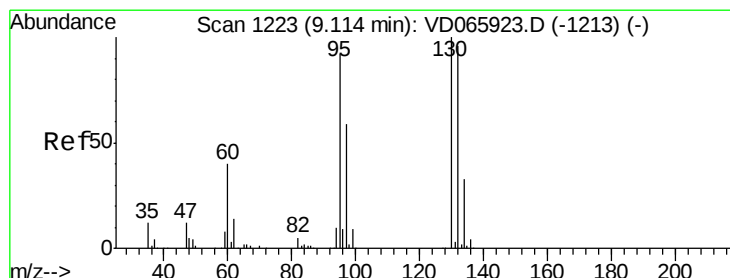
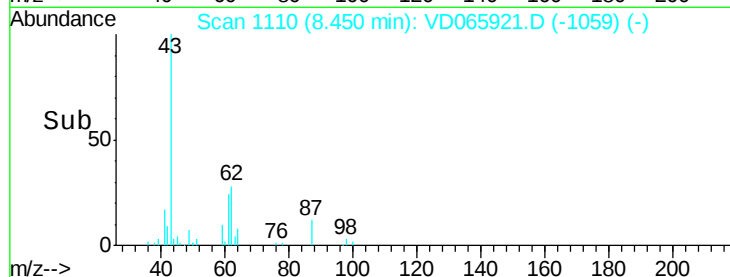
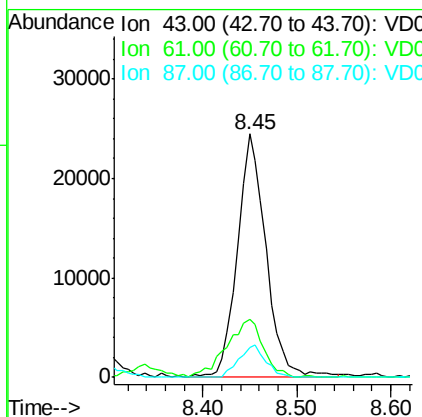
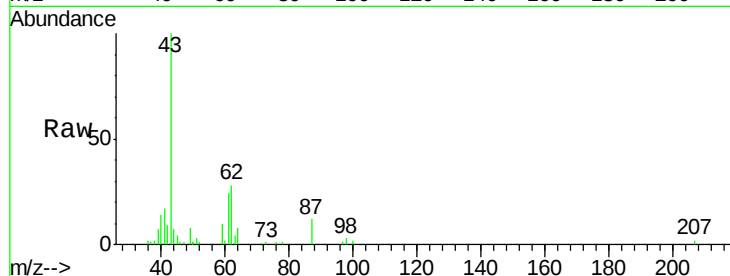
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	51816
Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.2	34.8
87	12.3	10.0	15.0

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#44

Trichloroethene

Concen: 10.475 ug/l

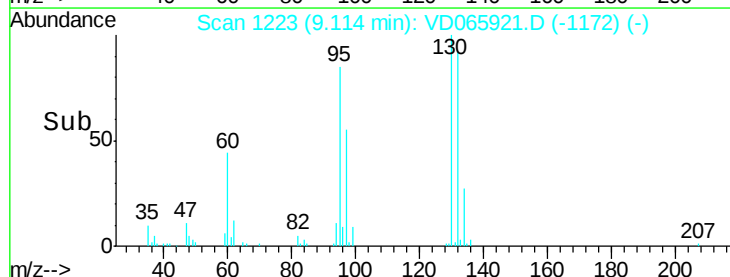
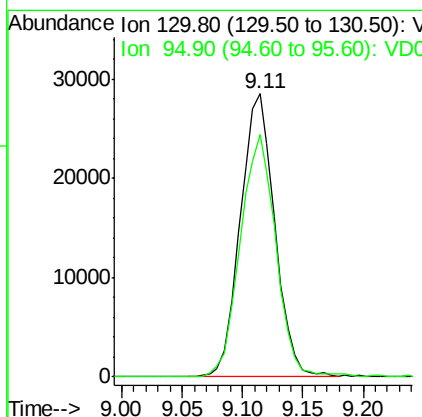
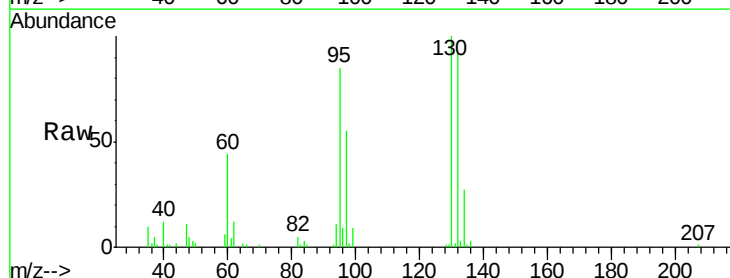
RT: 9.11 min Scan# 1223

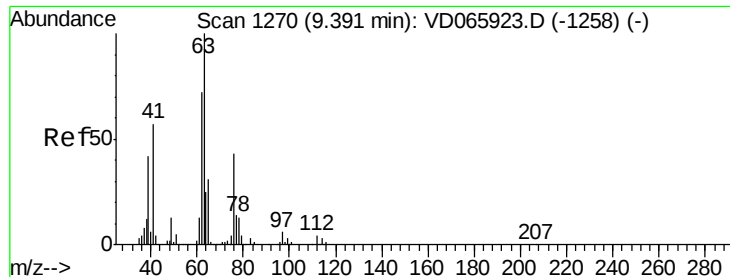
Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Tgt Ion:	130	Resp:	56856
Ion	Ratio	Lower	Upper
130	100		
95	85.5	0.0	184.6





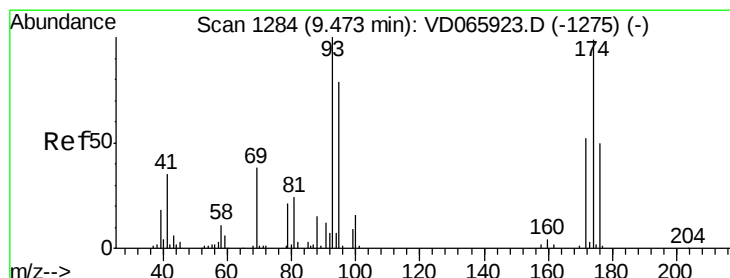
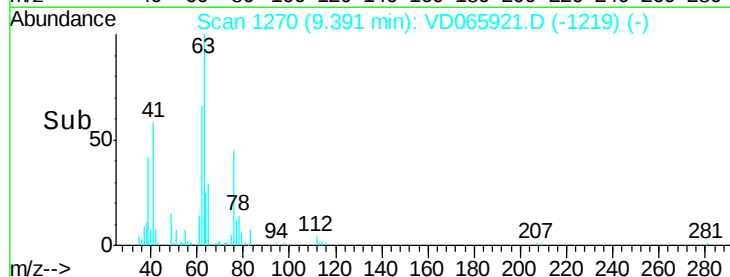
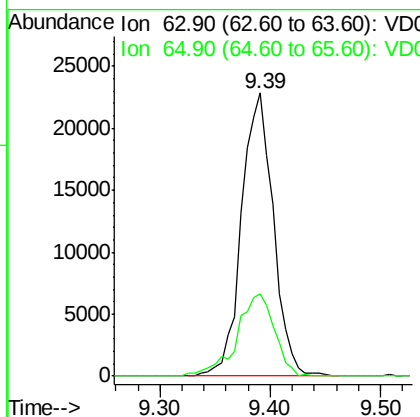
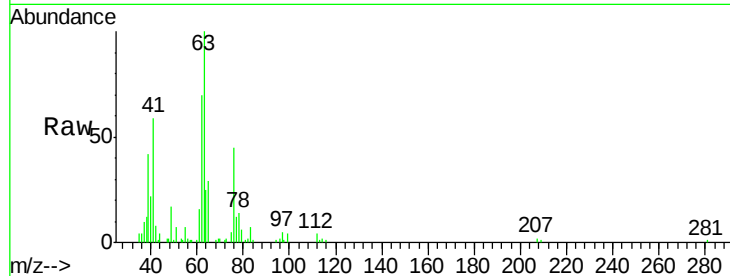
#45
 1,2-Dichloropropane
 Concen: 10.123 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 46412
 Ion Ratio Lower Upper
 63 100
 65 29.0 25.0 37.6

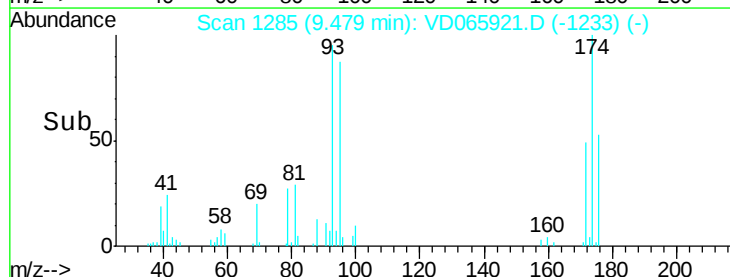
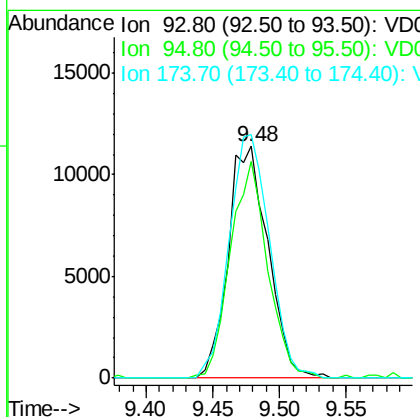
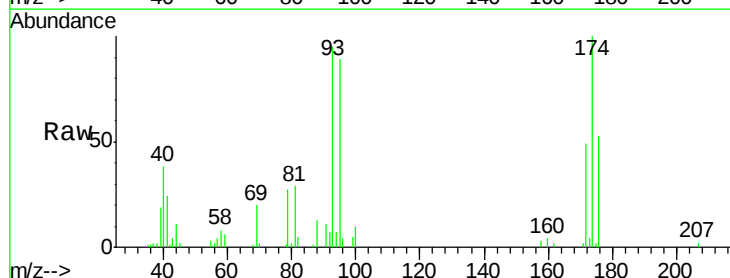
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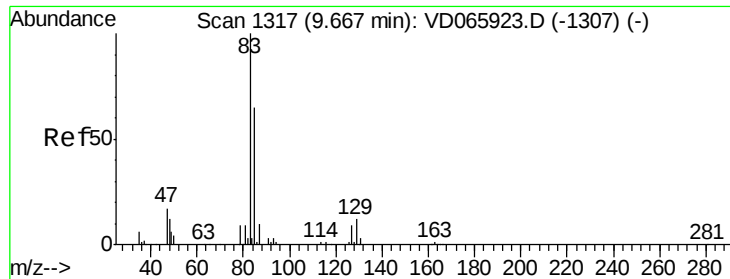
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 7/8/2020 12:05:35 PM



#46
 Dibromomethane
 Concen: 9.939 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion: 93 Resp: 23726
 Ion Ratio Lower Upper
 93 100
 95 87.4 68.2 102.2
 174 106.8 88.0 132.0





#47

Bromodichloromethane

Concen: 10.000 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

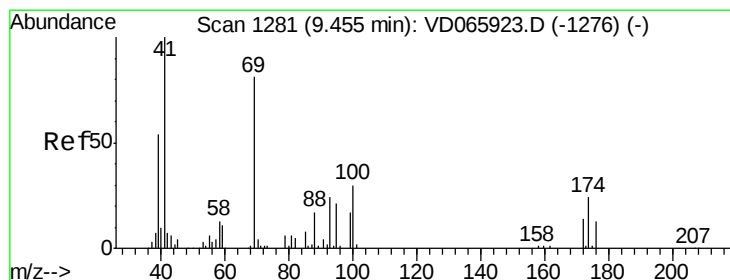
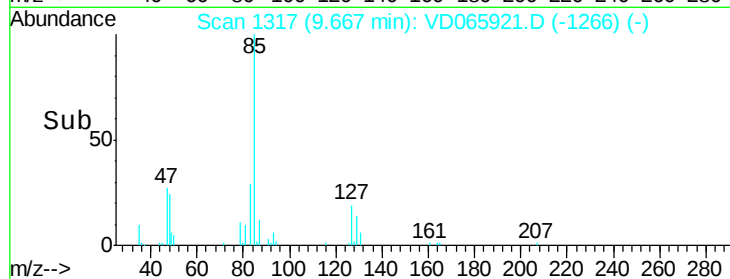
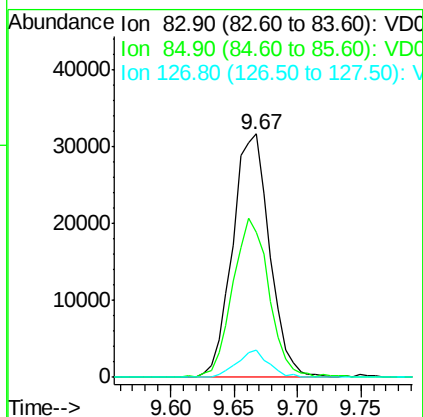
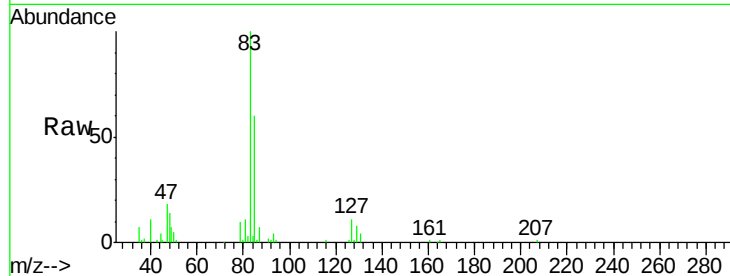
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	64032
Ion	Ratio	Lower	Upper
83	100		
85	59.0	51.6	77.4
127	11.2	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 9.917 ug/l

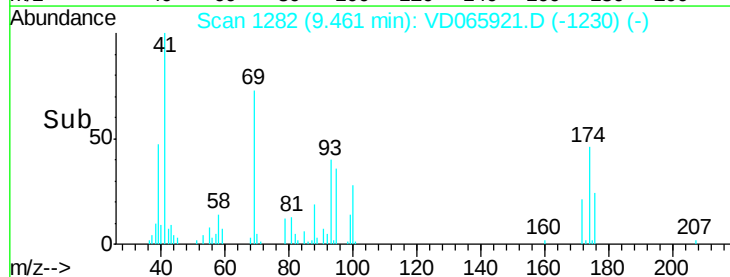
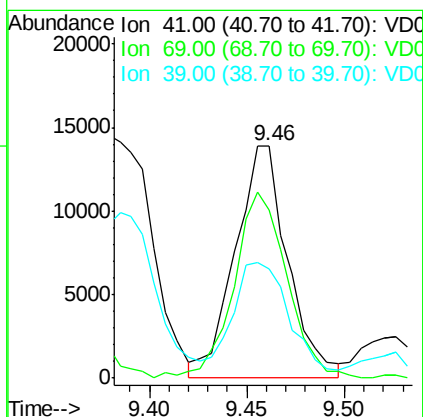
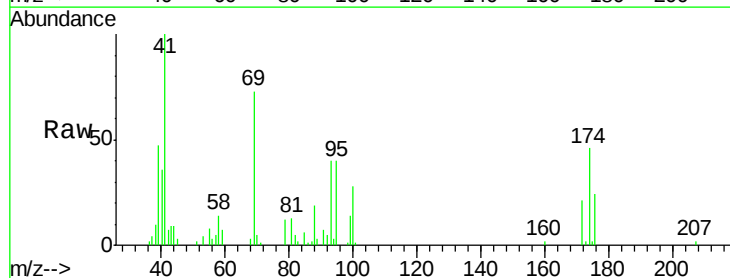
RT: 9.46 min Scan# 1282

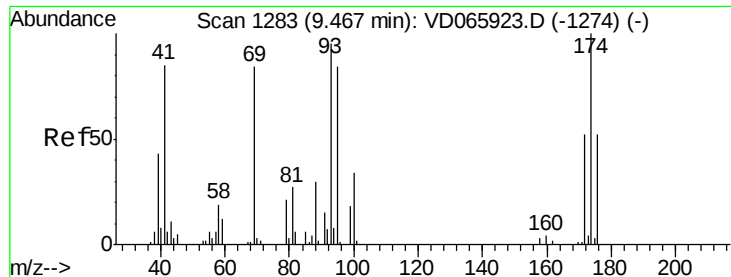
Delta R.T. 0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Tgt Ion:	41	Resp:	26035
Ion	Ratio	Lower	Upper
41	100		
69	81.0	62.2	93.4
39	46.9	39.9	59.9





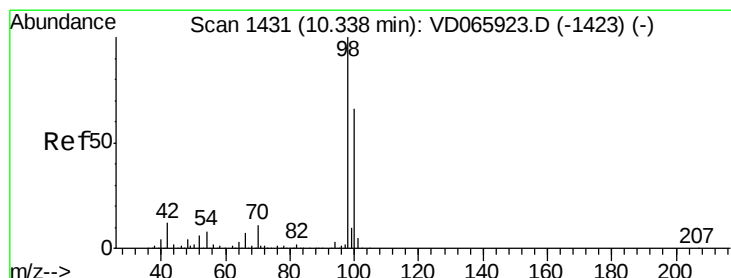
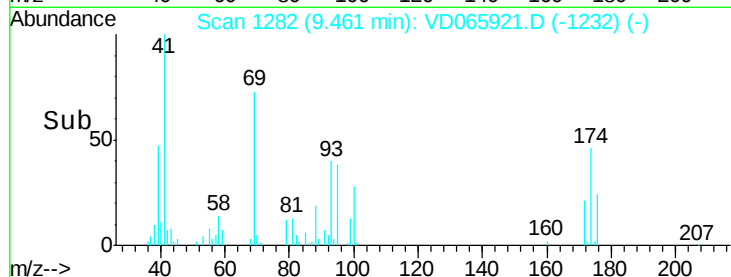
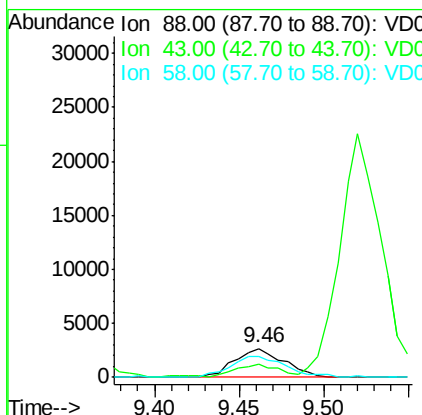
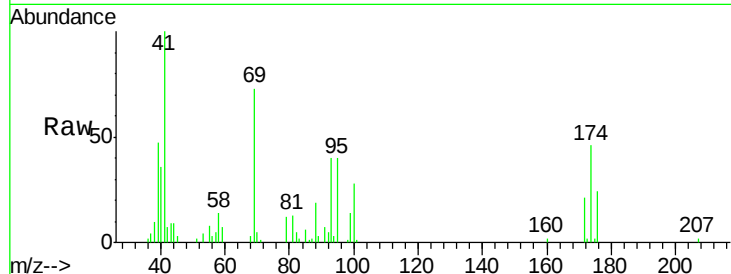
#49
1,4-Dioxane
Concen: 191.481 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	88	Resp	5431
Ion	Ratio	Lower	Upper
88	100		
43	40.9	28.2	42.4
58	81.8	58.6	87.8

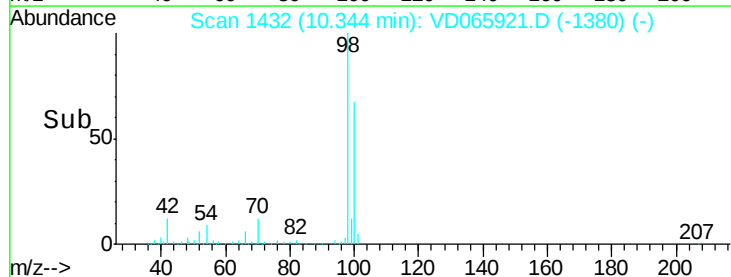
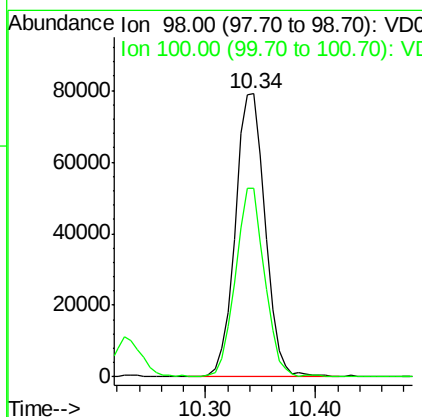
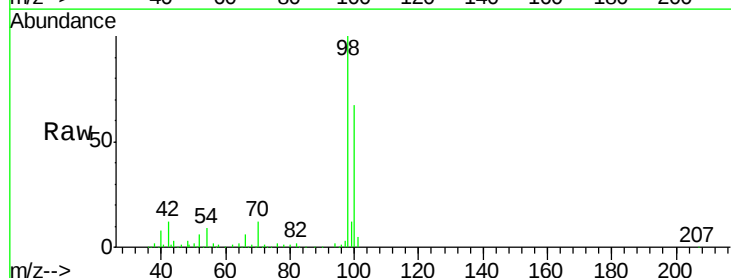
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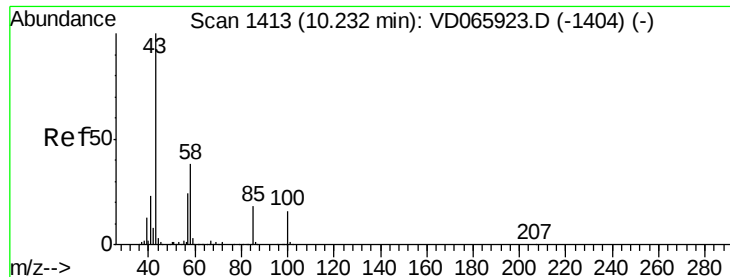
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#50
Toluene-d8
Concen: 9.894 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	98	Resp	150776
Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.1	79.7





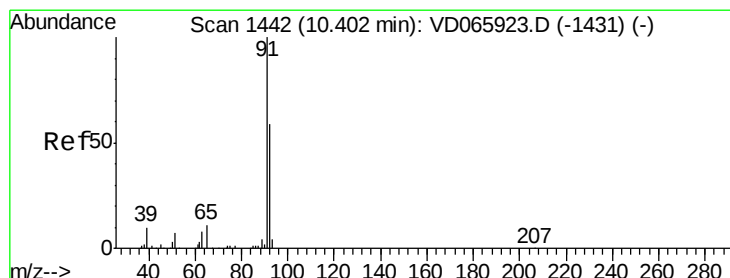
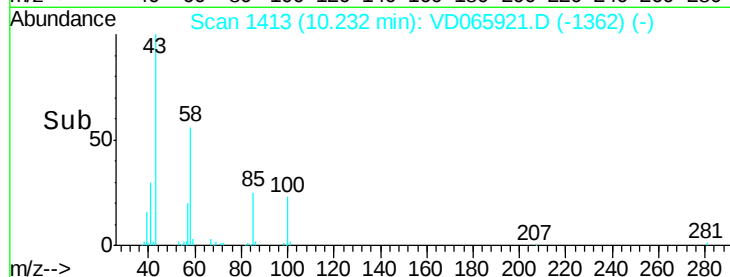
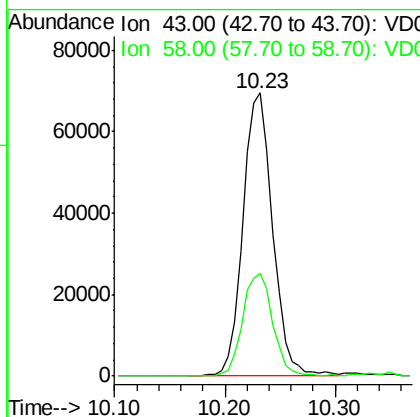
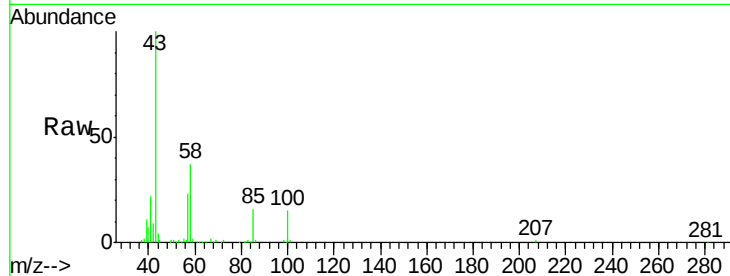
#51
4-Methyl-2-Pentanone
Concen: 50.055 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.8	30.5	45.7

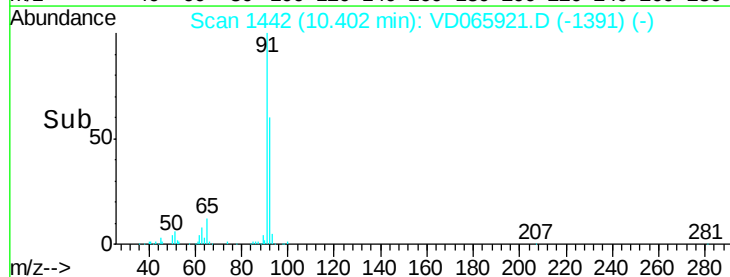
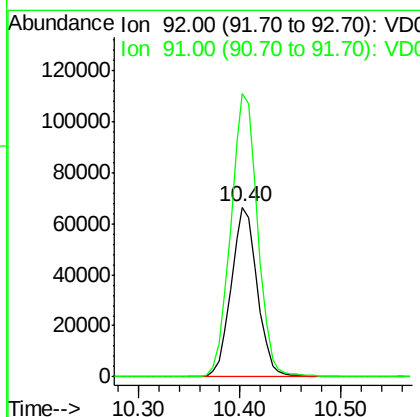
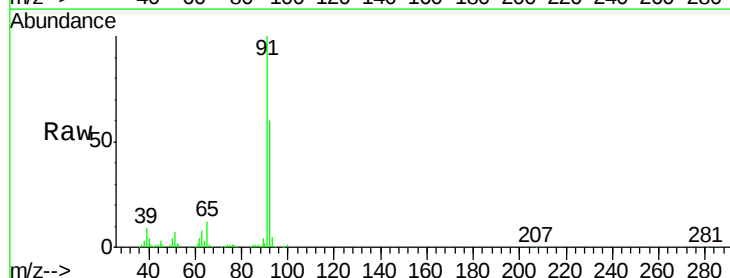
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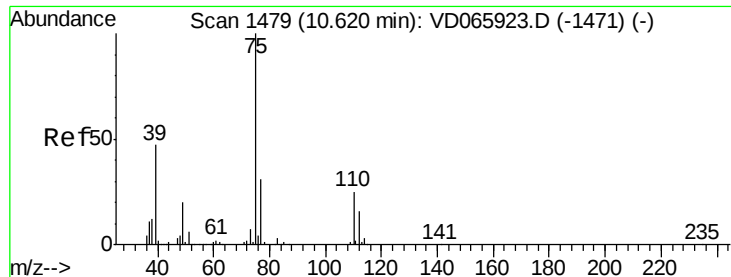
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#52
Toluene
Concen: 10.096 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.0	204.0





#53

t-1,3-Dichloropropene

Concen: 9.539 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 57431

Ion Ratio Lower Upper

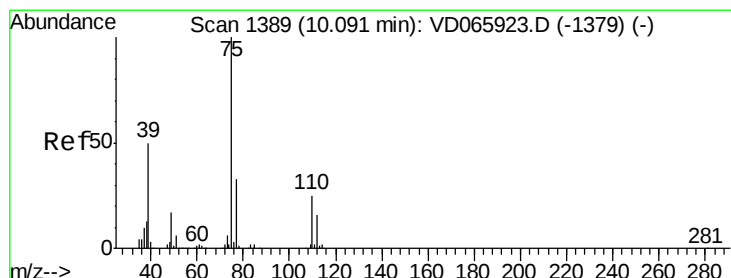
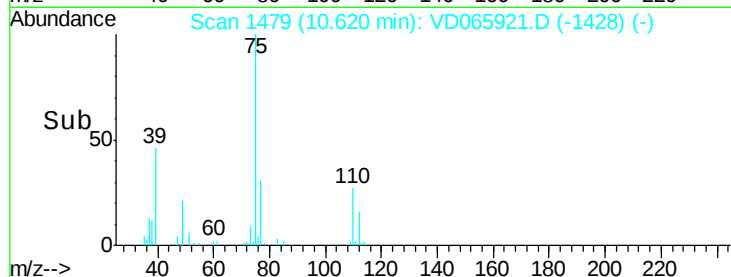
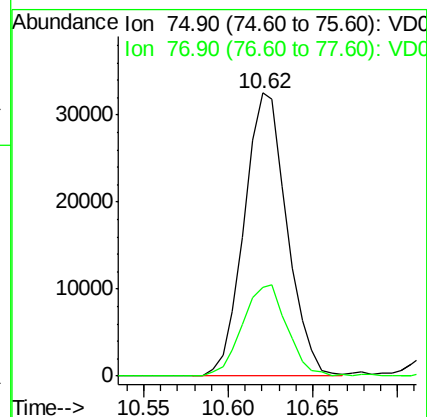
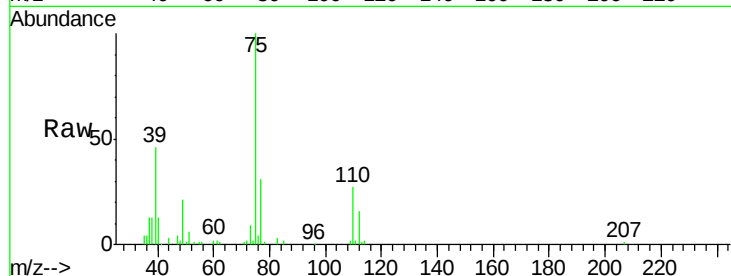
75 100

77 31.4 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 9.651 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

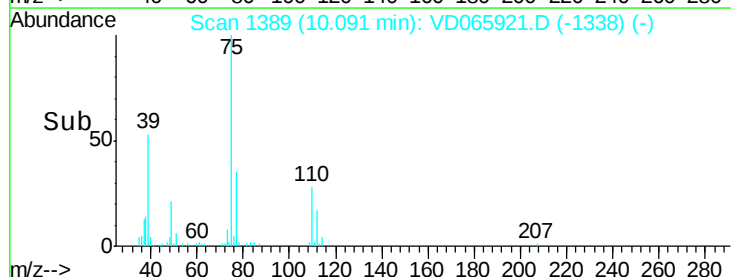
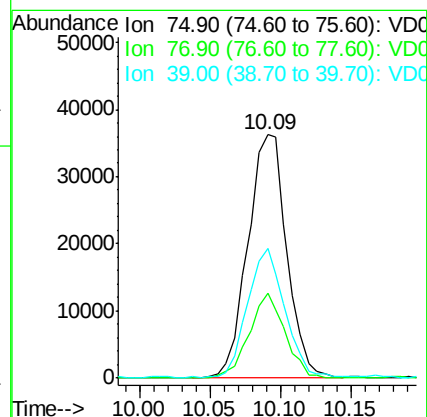
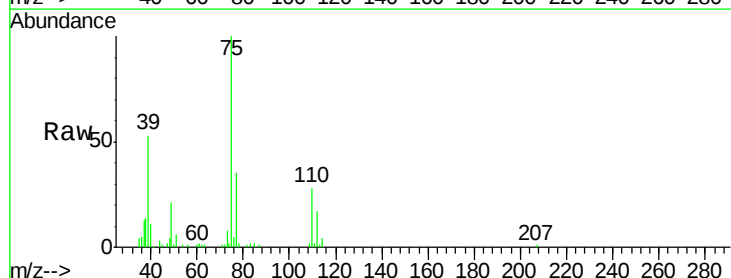
Tgt Ion: 75 Resp: 70212

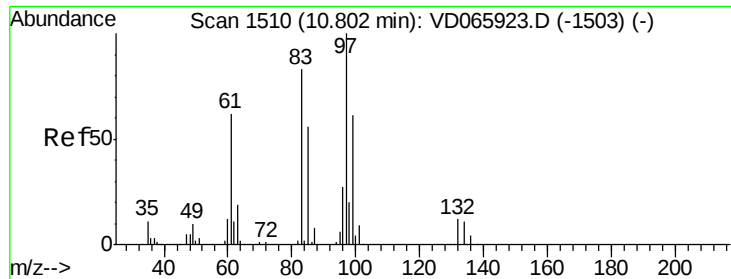
Ion Ratio Lower Upper

75 100

77 34.8 26.6 39.8

39 52.4 39.6 59.4





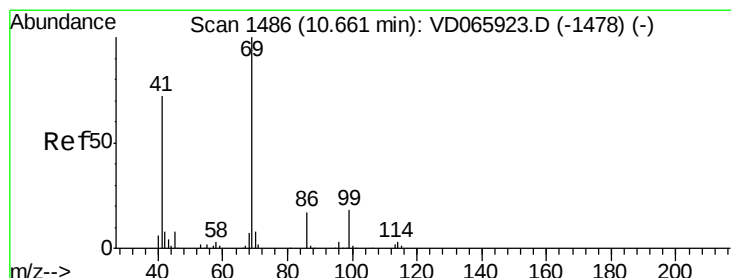
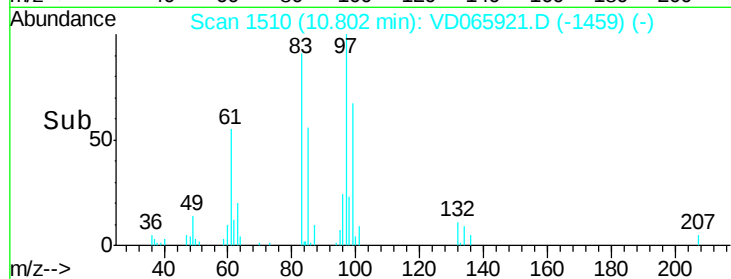
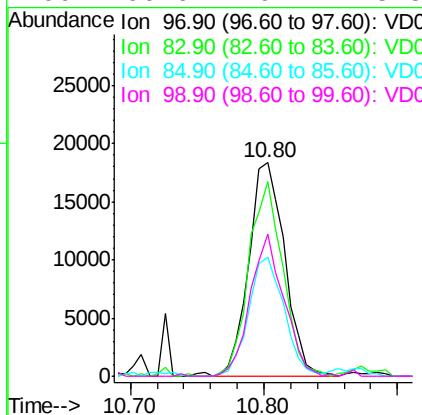
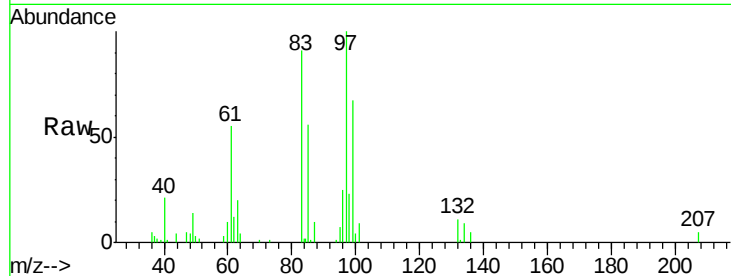
#55
 1,1,2-Trichloroethane
 Concen: 10.403 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	34213
Ion	Ratio	Lower	Upper
97	100		
83	89.5	66.9	100.3
85	56.0	44.5	66.7
99	66.6	49.2	73.8

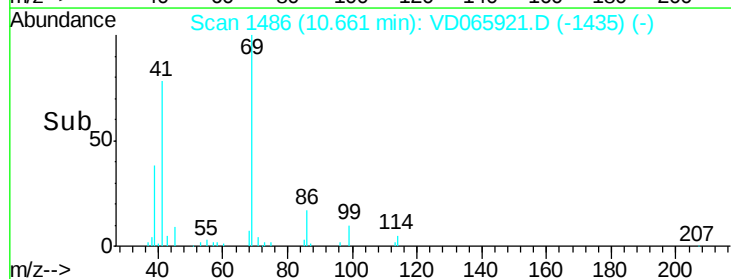
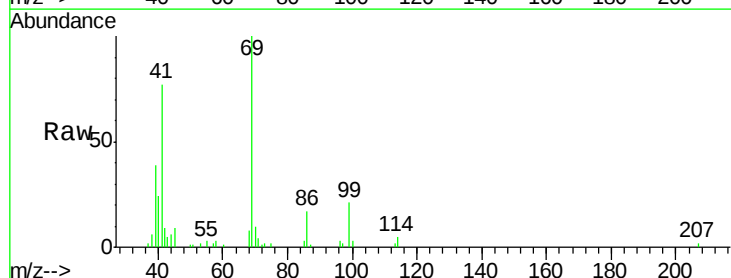
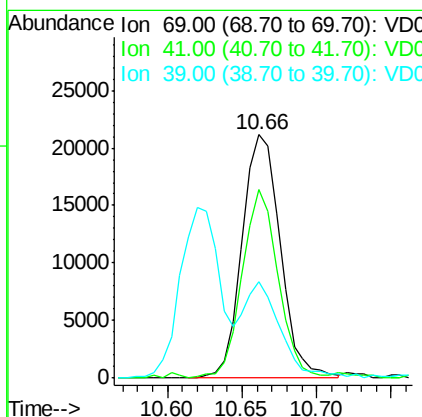
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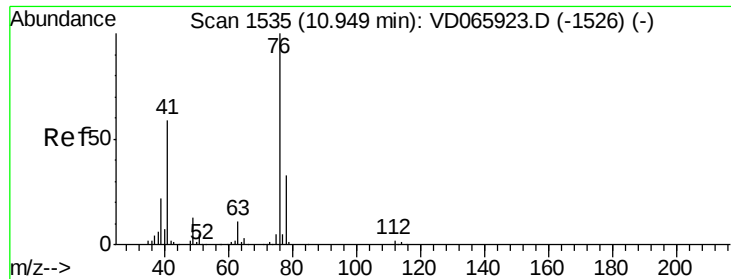
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#56
 Ethyl methacrylate
 Concen: 9.352 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion:	69	Resp:	37566
Ion	Ratio	Lower	Upper
69	100		
41	73.2	56.5	84.7
39	38.7	29.2	43.8





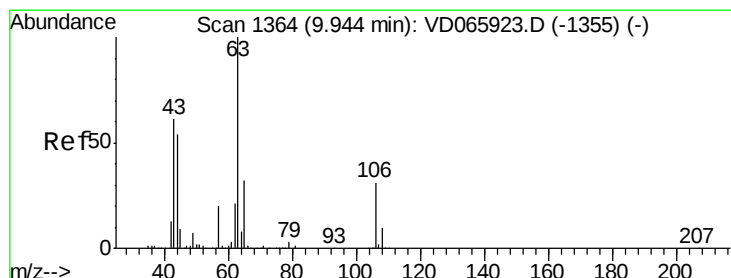
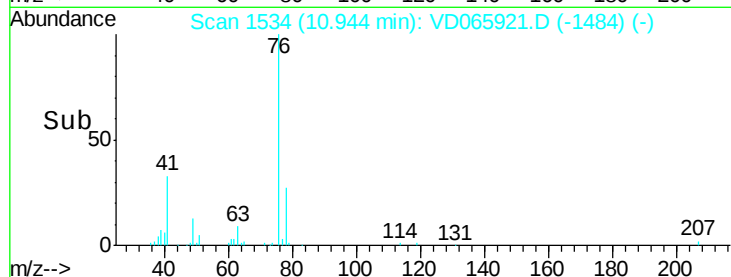
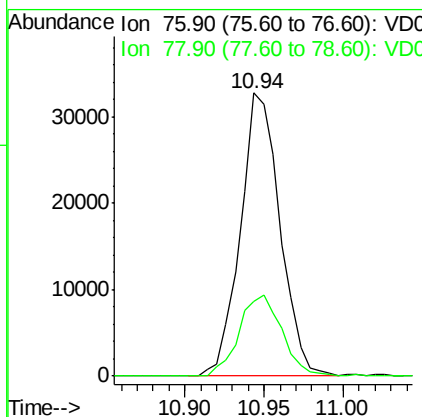
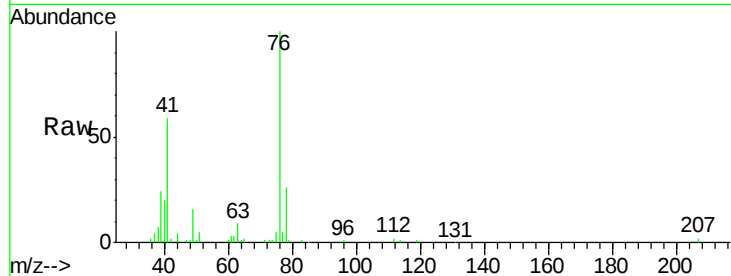
#57
 1,3-Dichloropropane
 Concen: 9.876 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 56801
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.8 38.6

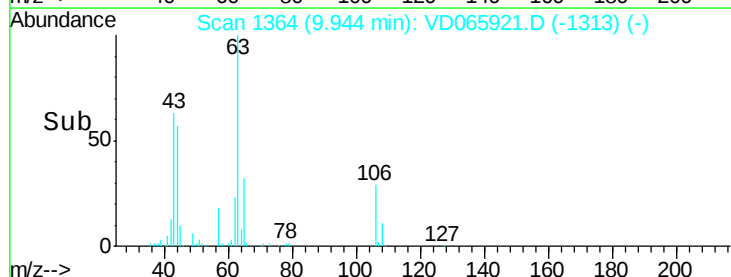
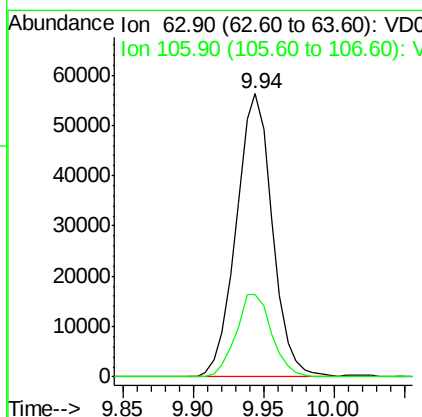
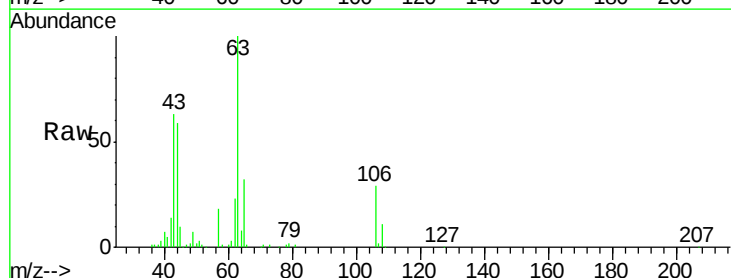
Manual Integrations
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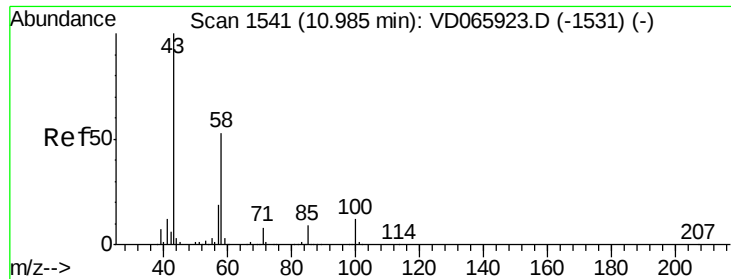
MMDadoda
 7/8/2020 12:05:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 51.623 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion: 63 Resp: 100429
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.8 35.6





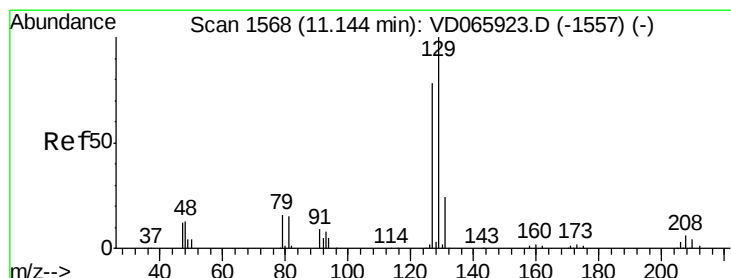
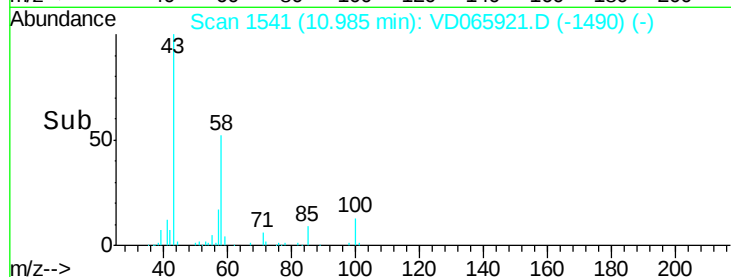
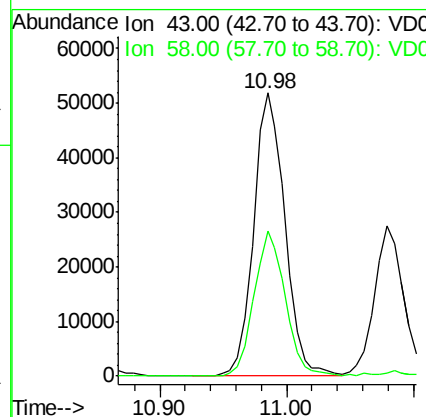
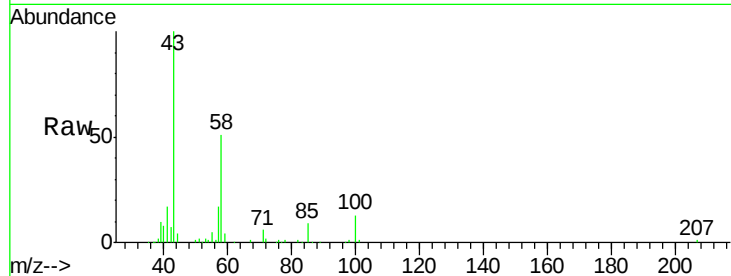
#59
2-Hexanone
Concen: 49.054 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 88950
Ion Ratio Lower Upper
43 100
58 51.3 26.6 79.8

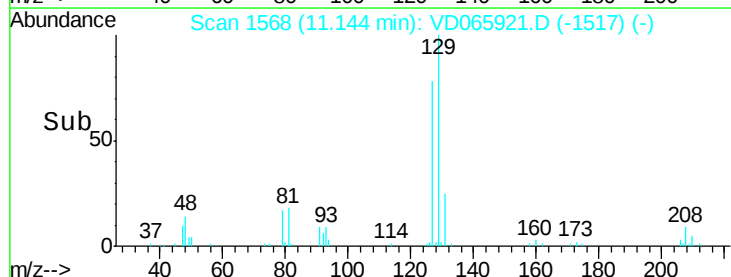
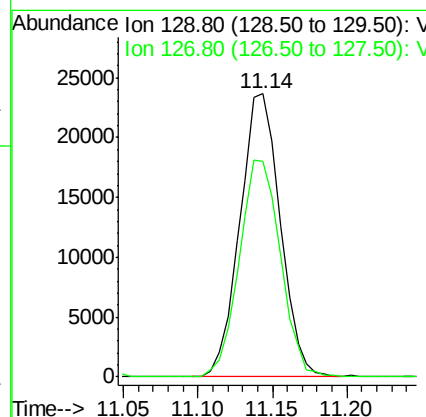
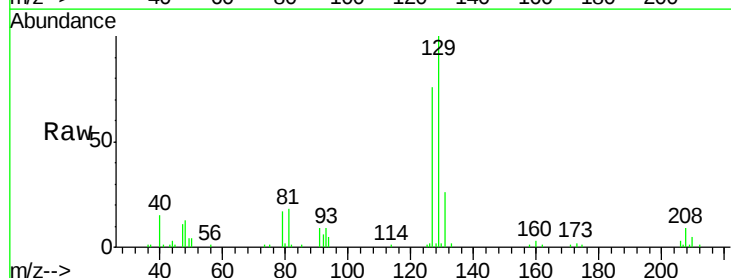
Manual Integrations
APPROVED

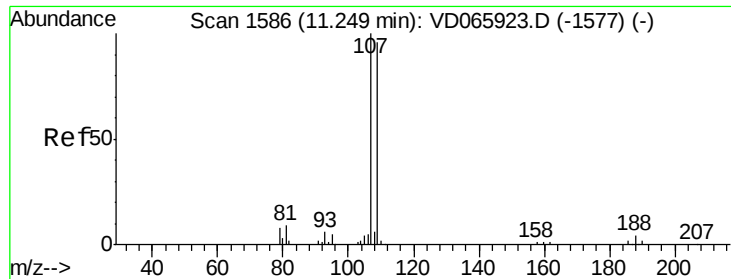
MMDadoda
7/8/2020 12:05:35 PM



#60
Dibromochloromethane
Concen: 9.888 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion: 129 Resp: 44430
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.4





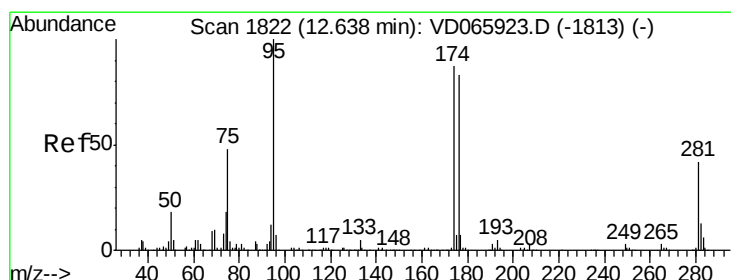
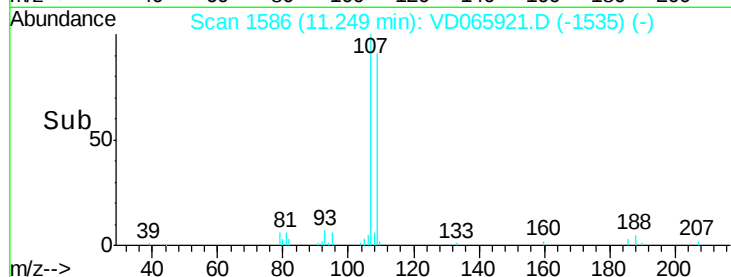
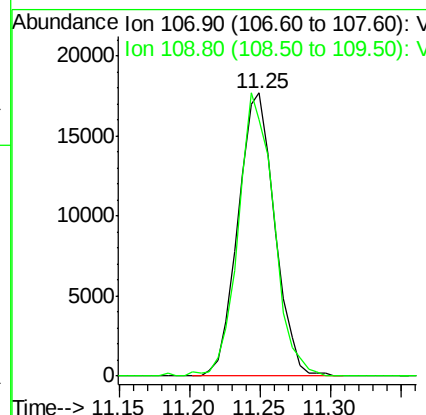
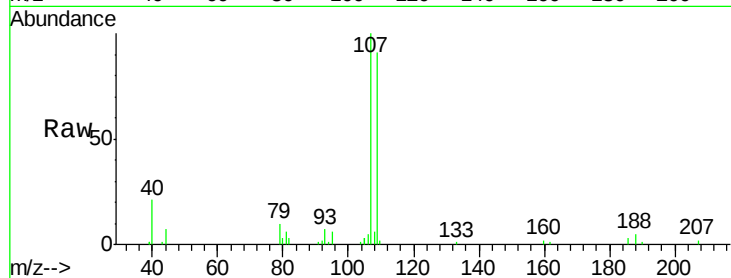
#61
 1,2-Dibromoethane
 Concen: 9.801 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 32139
 Ion Ratio Lower Upper
 107 100
 109 96.7 75.4 113.0

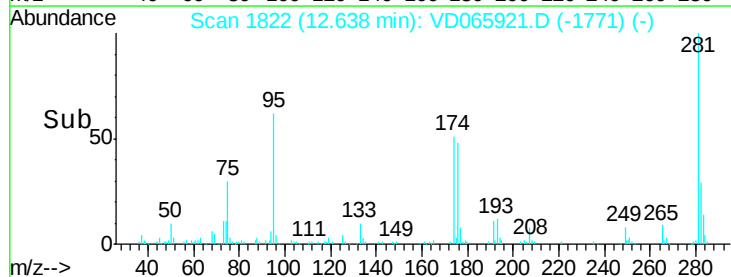
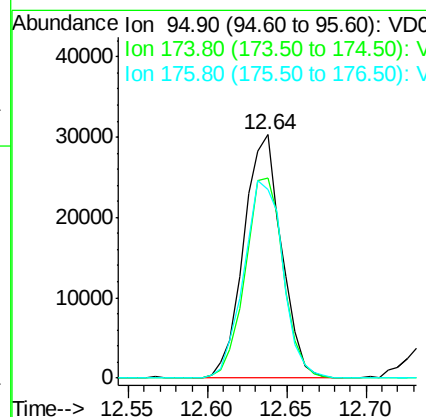
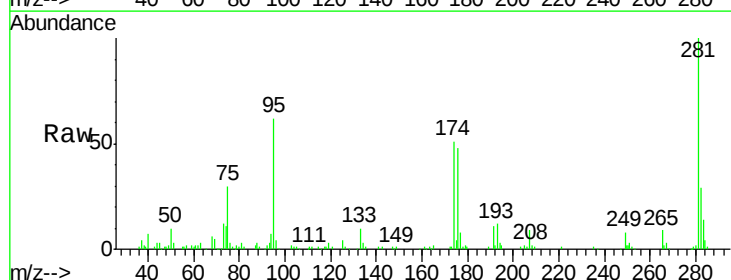
Manual Integrations
 APPROVED

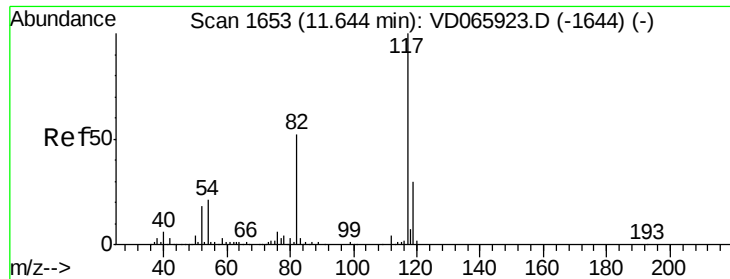
MMDadoda
 7/8/2020 12:05:35 PM



#62
 4-Bromofluorobenzene
 Concen: 9.579 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion: 95 Resp: 50131
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 169.4
 176 84.1 0.0 164.0





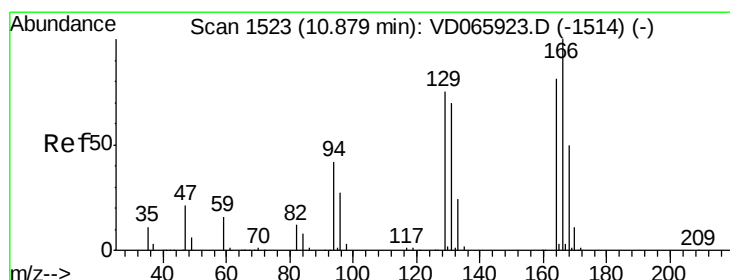
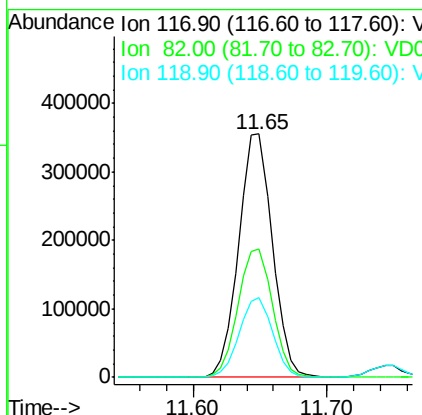
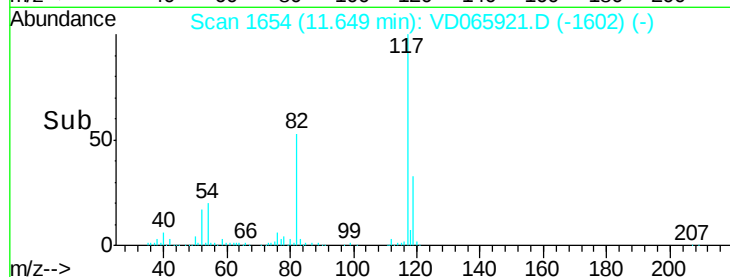
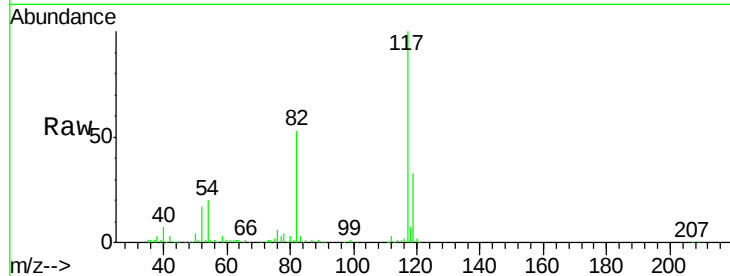
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	623621		
82	52.9		41.8	62.8
119	33.0		24.3	36.5

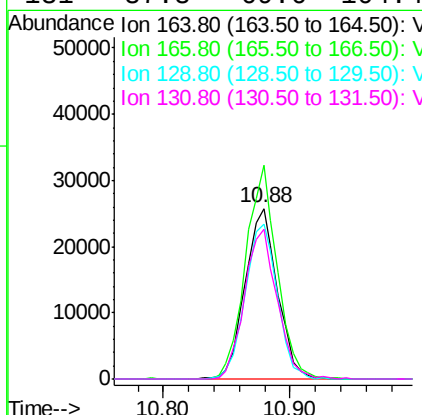
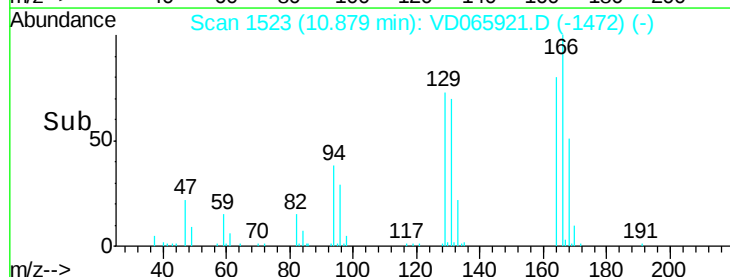
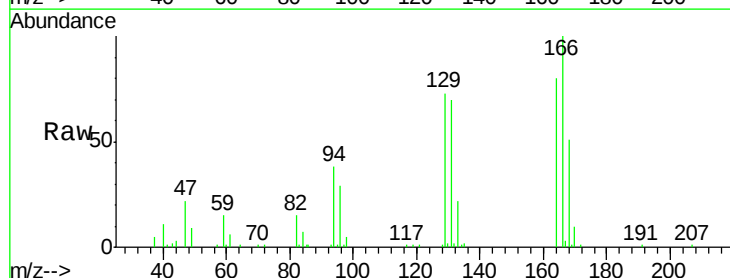
Manual Integrations
APPROVED

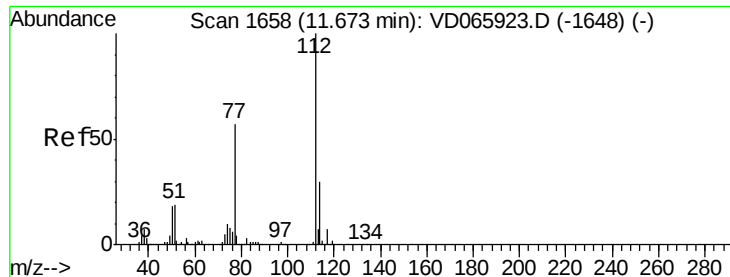
MMDadoda
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#64
Tetrachloroethene
Concen: 10.038 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45522		
166	125.4		99.0	148.4
129	91.0		73.9	110.9
131	87.8		69.6	104.4





#65

Chlorobenzene

Concen: 10.001 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 125690

Ion Ratio Lower Upper

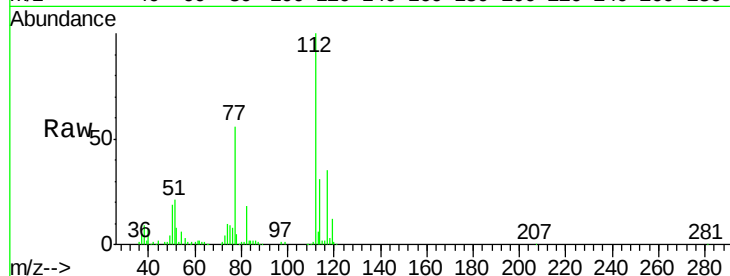
112 100

114 31.3 24.2 36.4

Manual Integrations
APPROVED

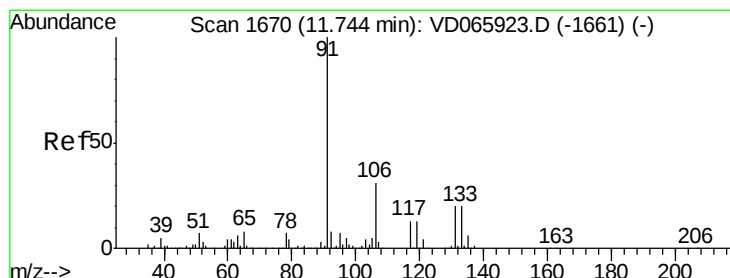
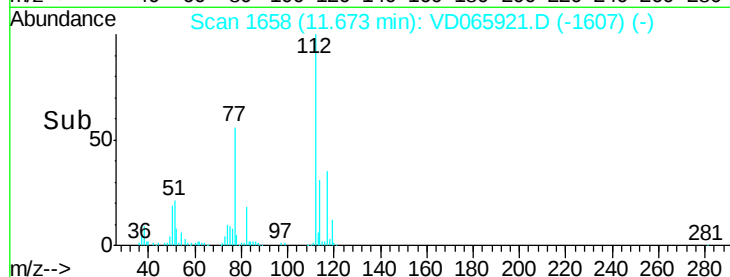
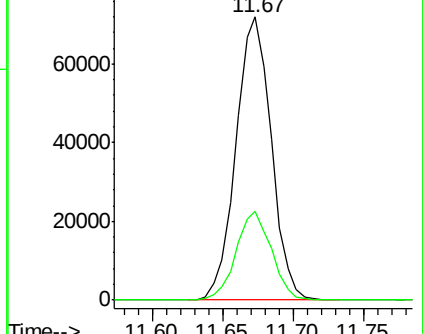
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.912 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

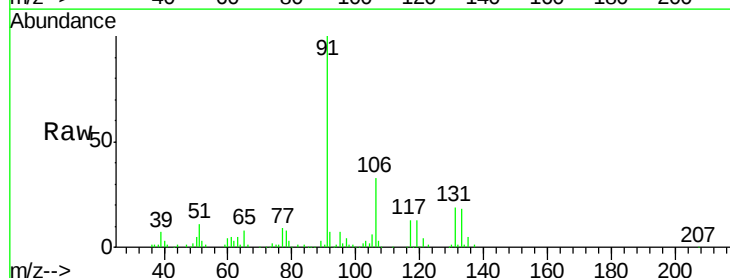
Tgt Ion:131 Resp: 46589

Ion Ratio Lower Upper

131 100

133 95.0 47.9 143.6

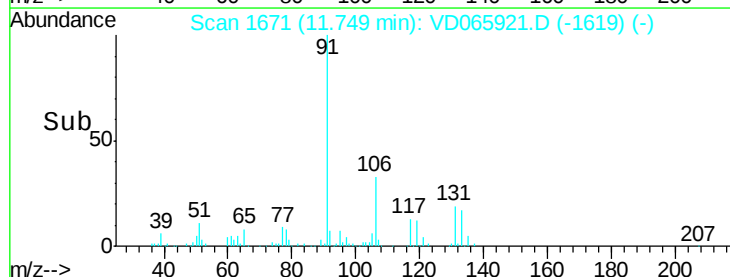
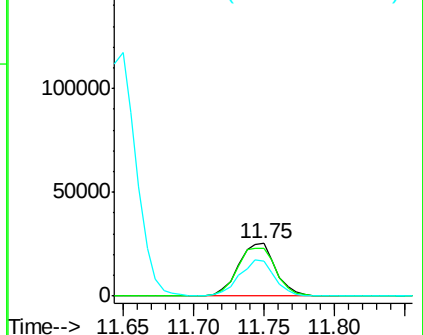
119 64.4 31.9 95.9

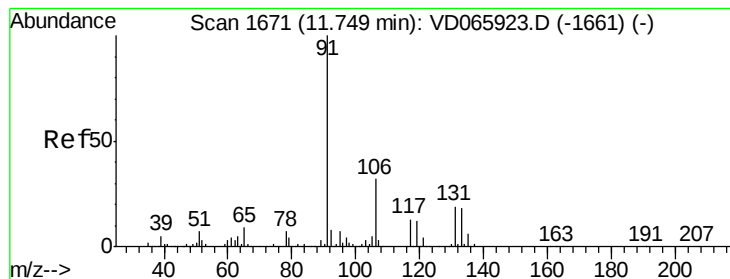


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 9.935 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 221810

Ion Ratio Lower Upper

91 100

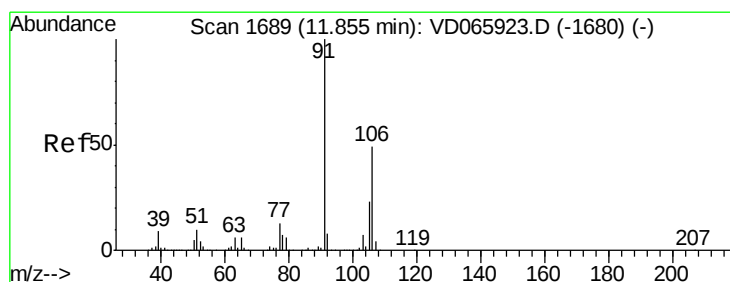
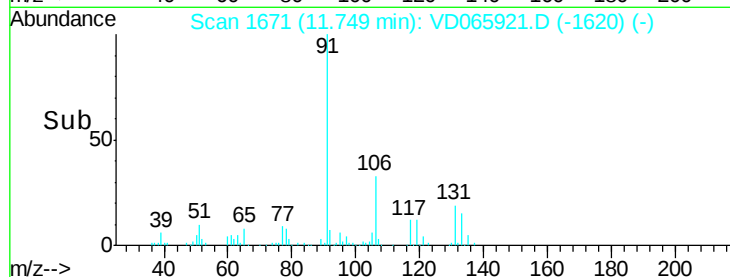
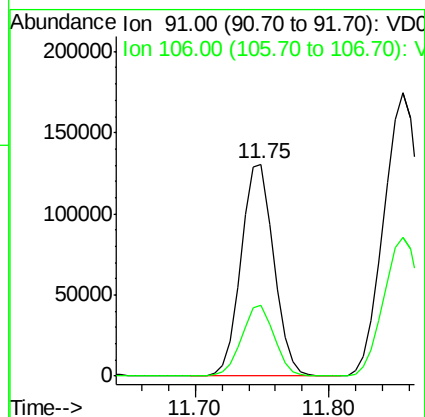
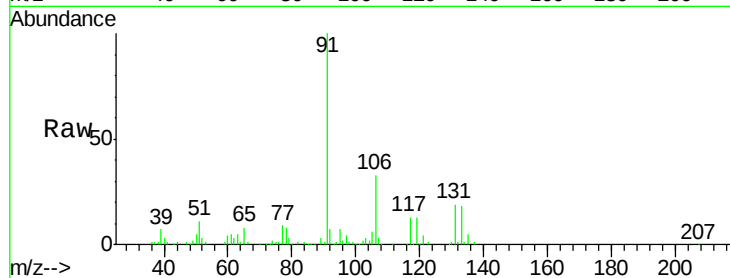
106 33.2 25.2 37.8

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 19.687 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065921.D

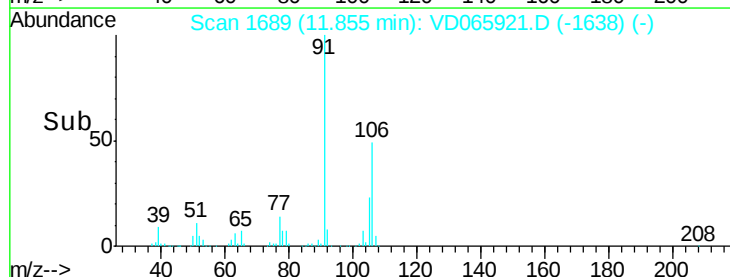
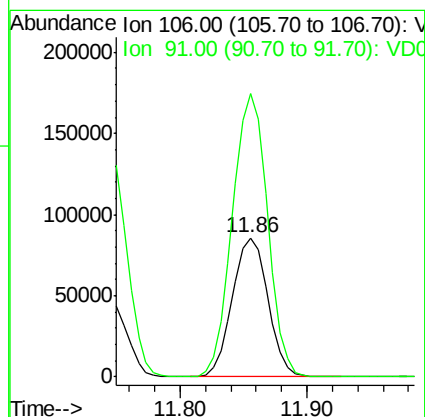
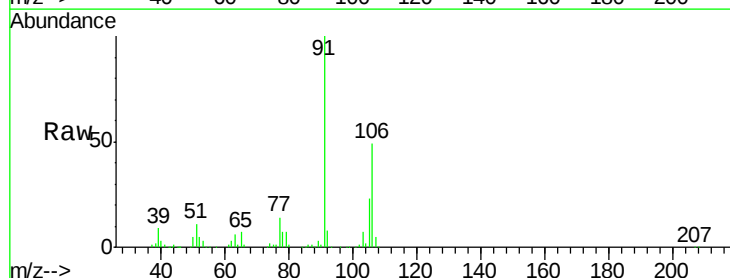
Acq: 07 Jul 2020 14:07

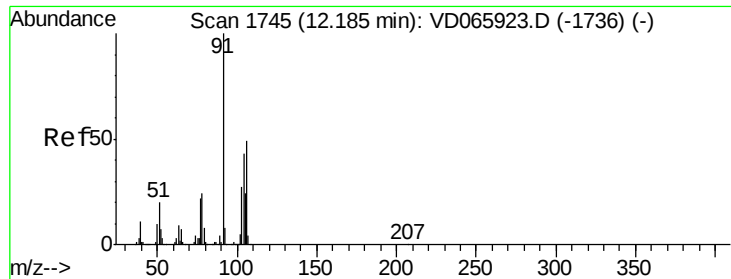
Tgt Ion: 106 Resp: 166987

Ion Ratio Lower Upper

106 100

91 200.9 158.2 237.2





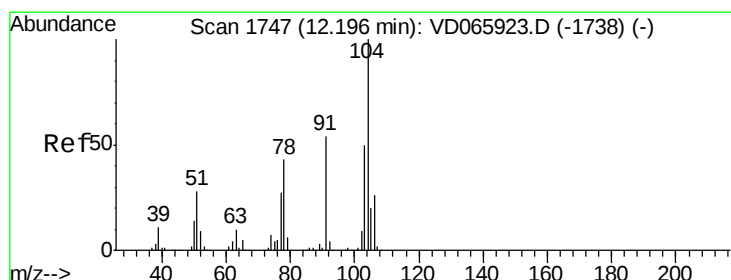
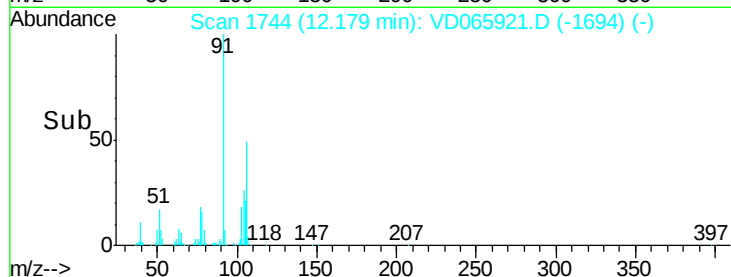
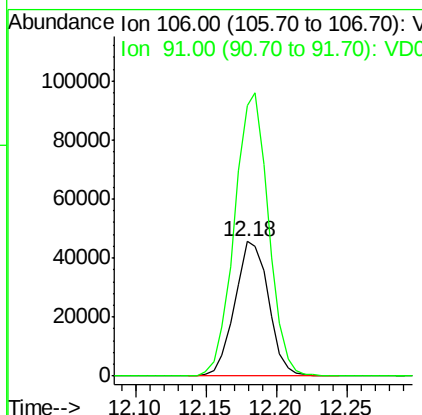
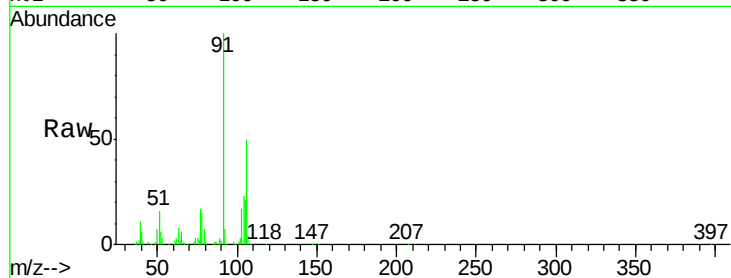
#69
o-Xylene
Concen: 9.889 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.4	104.1	312.2

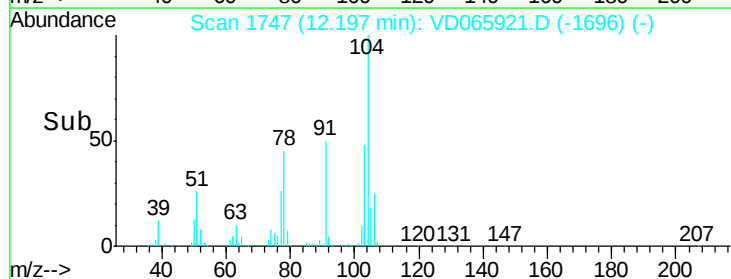
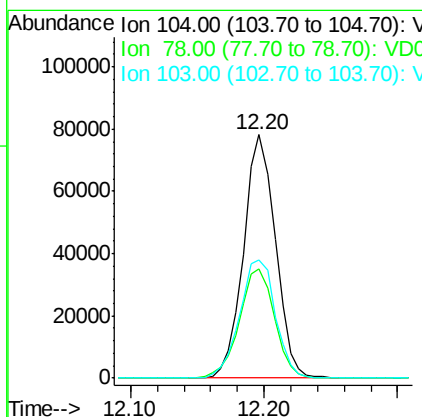
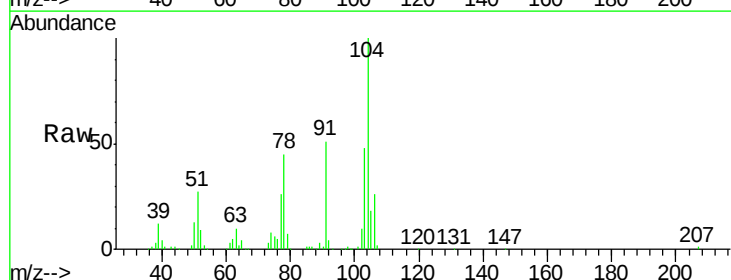
Manual Integrations
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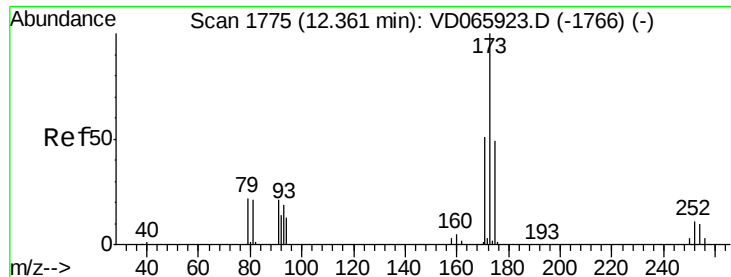
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#70
Styrene
Concen: 9.660 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	38.8	58.2
103	54.6	43.6	65.4





#71

Bromoform

Concen: 10.174 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 27059

Ion Ratio Lower Upper

173 100

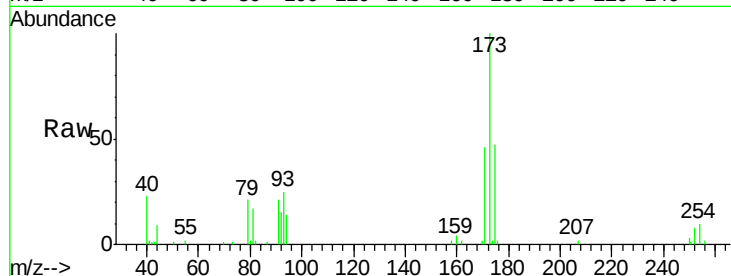
175 47.0 24.2 72.6

254 0.0 0.0 0.0

Manual Integrations
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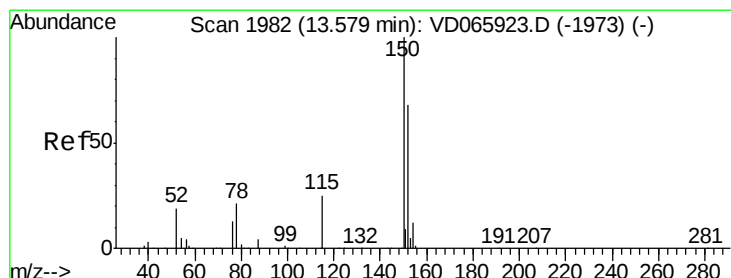
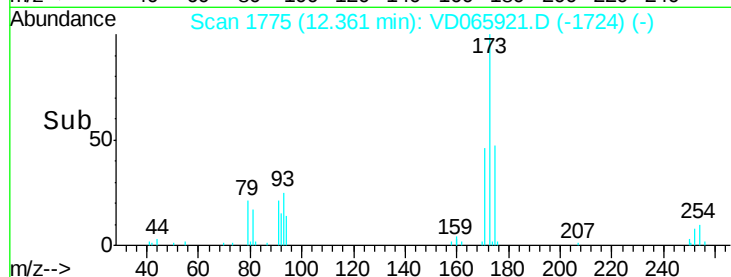
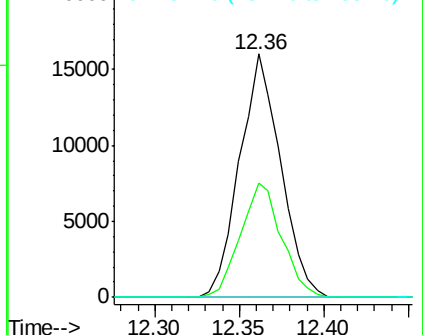
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

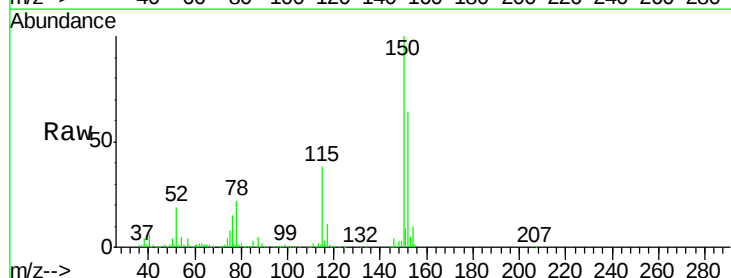
Tgt Ion:152 Resp: 304385

Ion Ratio Lower Upper

152 100

115 57.1 27.8 83.3

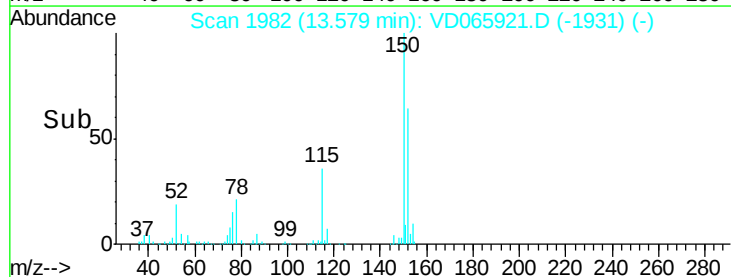
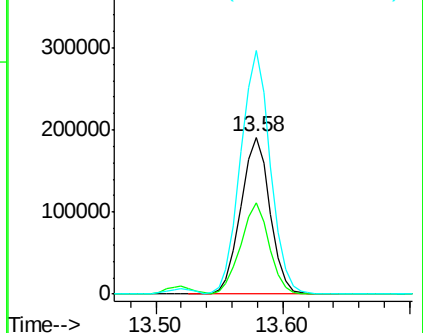
150 158.7 0.0 347.2

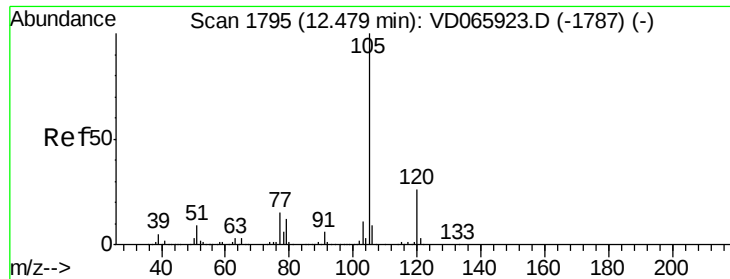


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.016 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 212776

Ion Ratio Lower Upper

105 100

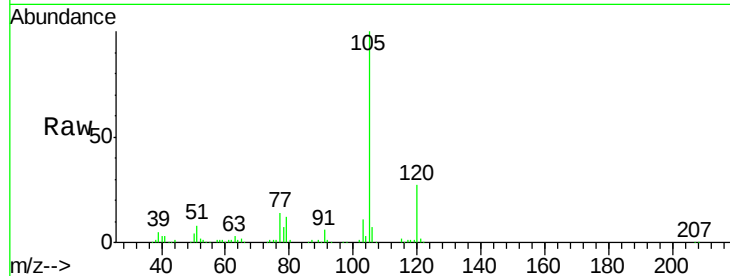
120 25.9 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

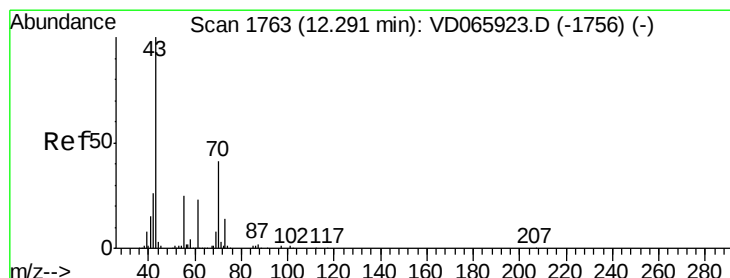
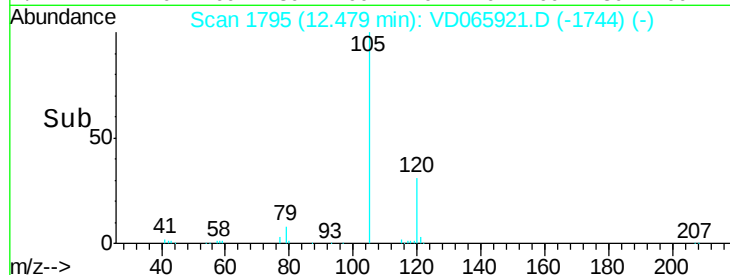
120000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 9.806 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Tgt Ion: 43 Resp: 46745

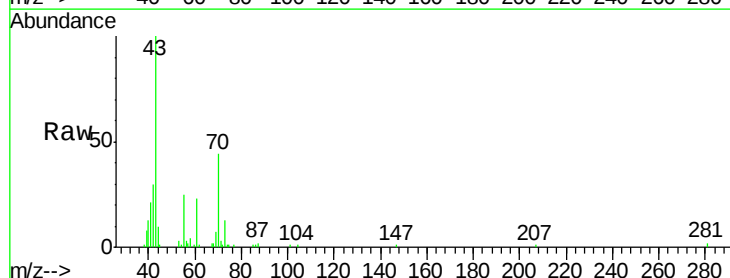
Ion Ratio Lower Upper

43 100

70 39.9 33.6 50.4

55 26.0 20.1 30.1

61 21.9 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

40000

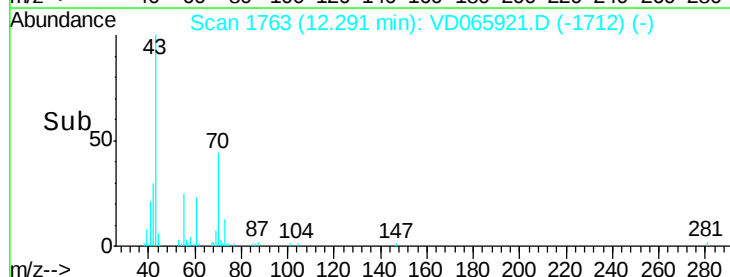
30000

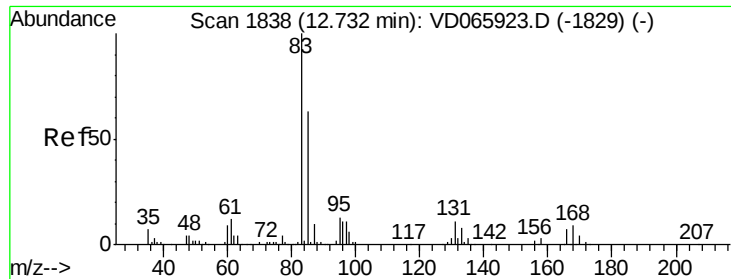
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.195 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

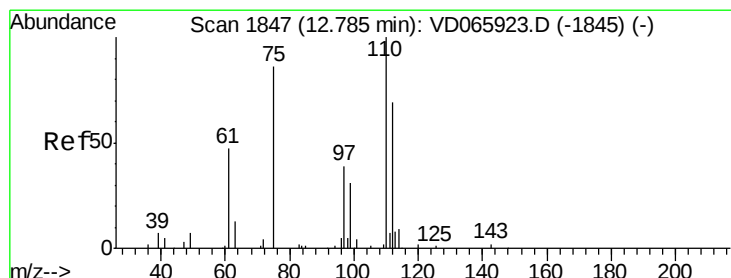
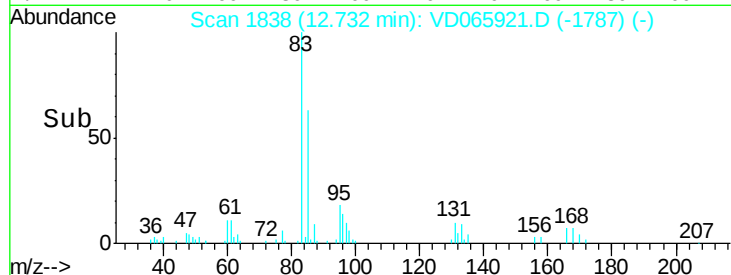
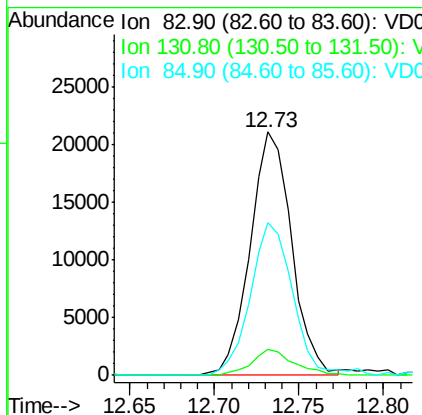
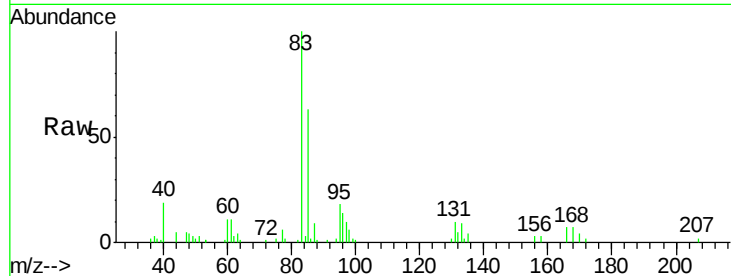
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	35957
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	64.4	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 10.065 ug/l m

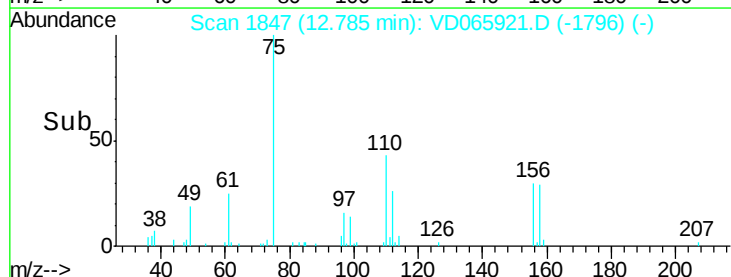
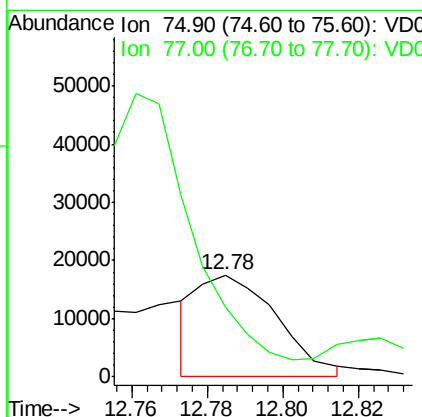
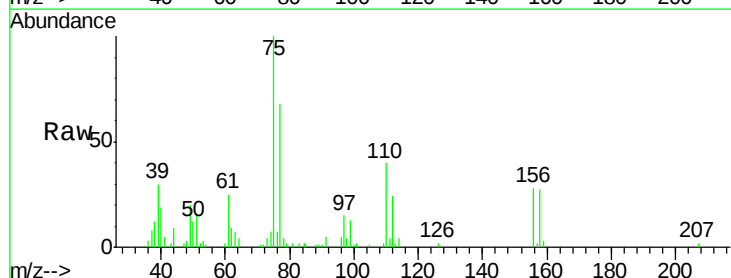
RT: 12.78 min Scan# 1847

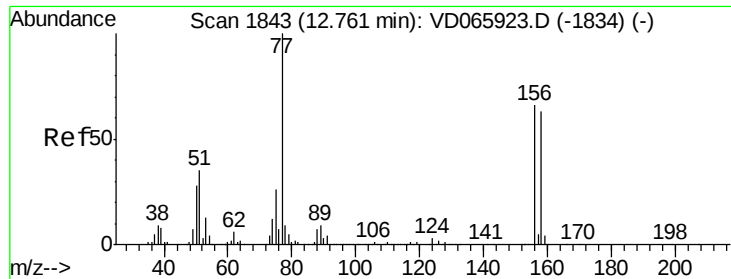
Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Tgt Ion:	75	Resp:	25596
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 9.862 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

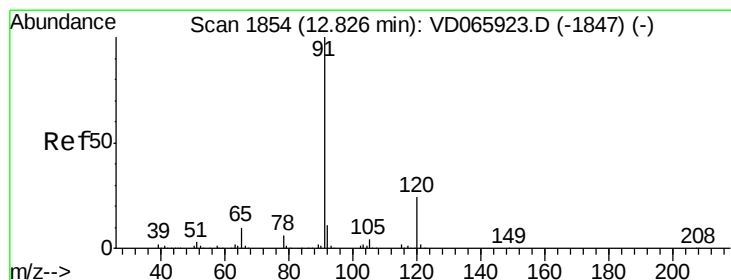
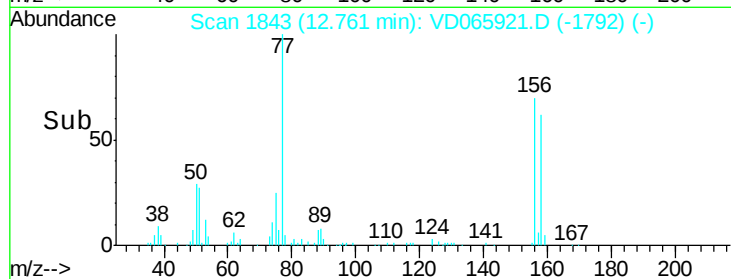
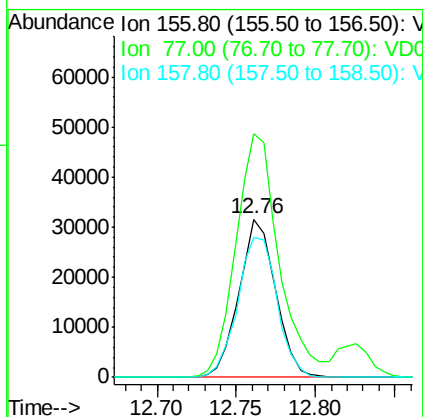
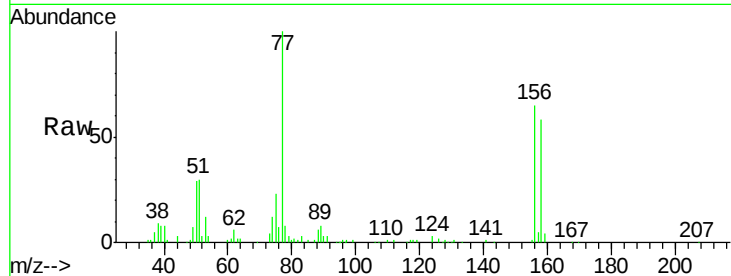
VSTDIC010

Tot Ion:156 Resp: 50811

Ion	Ratio	Lower	Upper
156	100		
77	179.1	85.0	255.0
158	95.6	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 9.898 ug/l

RT: 12.82 min Scan# 1853

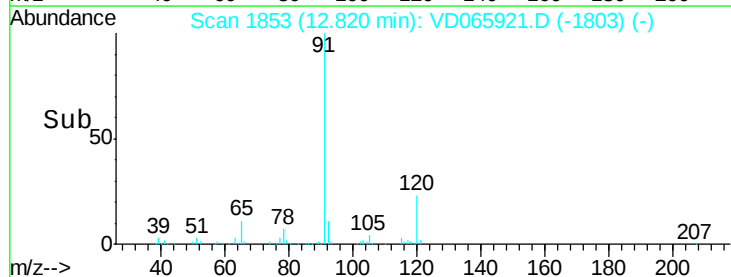
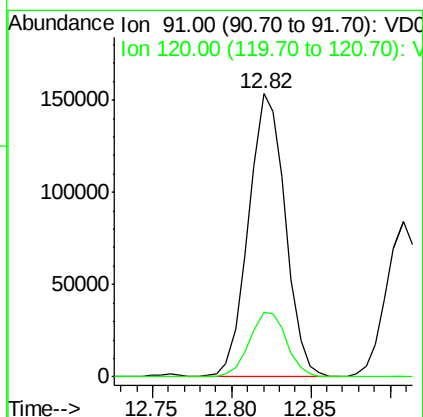
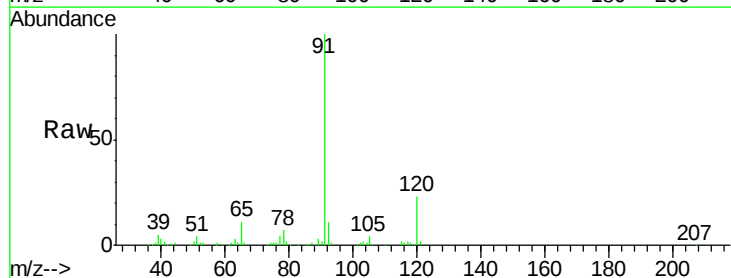
Delta R.T. -0.01 min

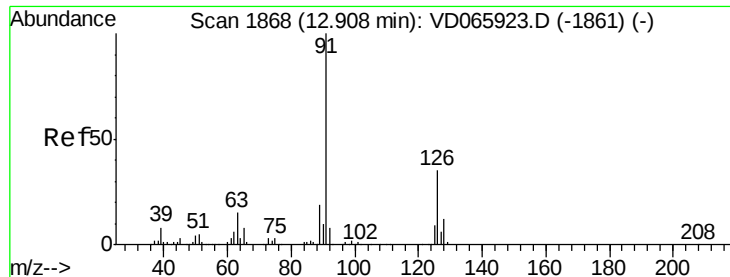
Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Tgt Ion: 91 Resp: 246509

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.8	35.4





#79

2-Chlorotoluene

Concen: 9.849 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 139160

Ion Ratio Lower Upper

91 100

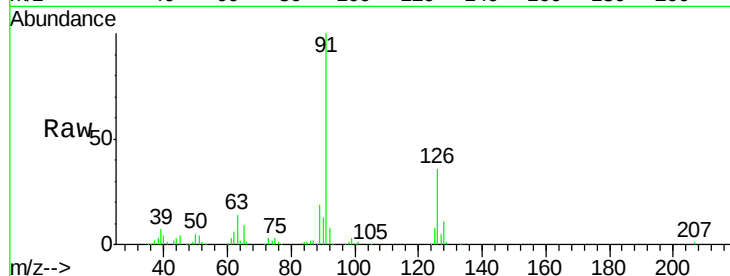
126 34.7 17.6 52.8

Manual Integrations

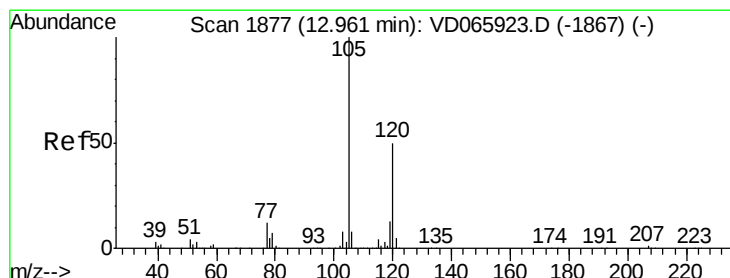
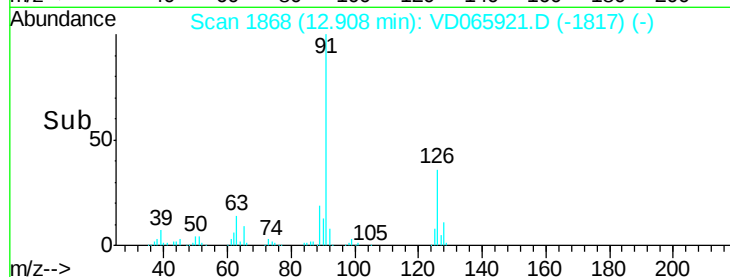
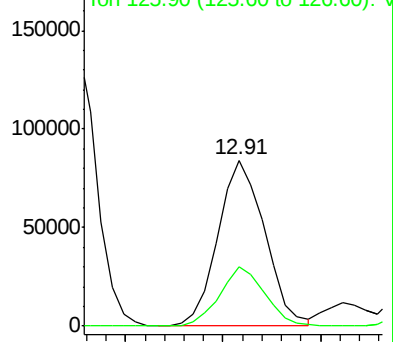
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Abundance Ion 91.00 (90.70 to 91.70): VD065921.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 9.948 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065921.D

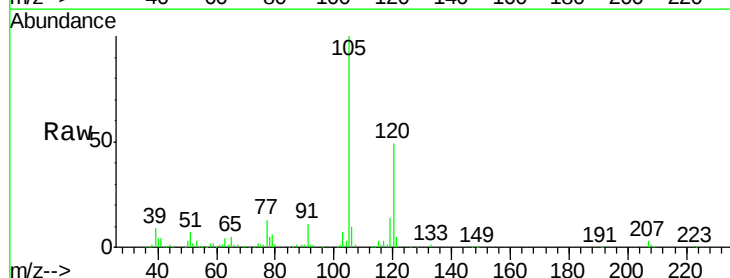
Acq: 07 Jul 2020 14:07

Tgt Ion: 105 Resp: 172850

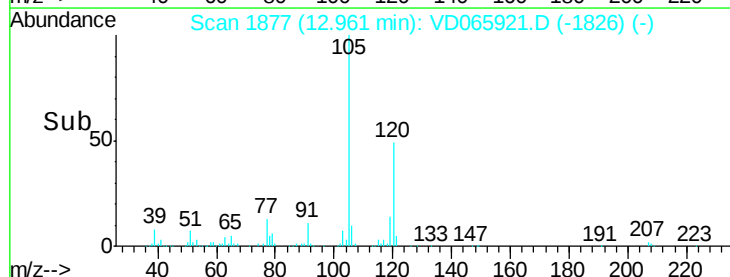
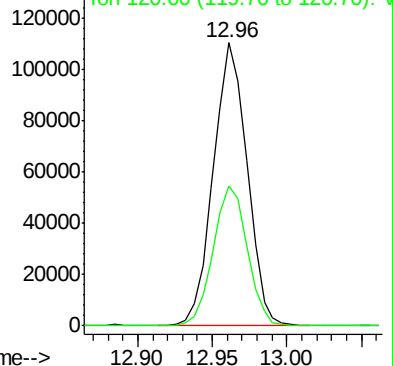
Ion Ratio Lower Upper

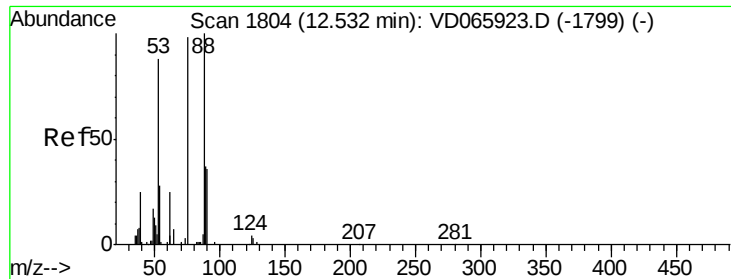
105 100

120 49.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VD065921.D (-1867) (-)





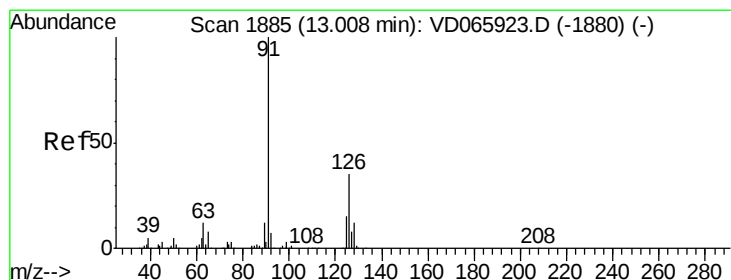
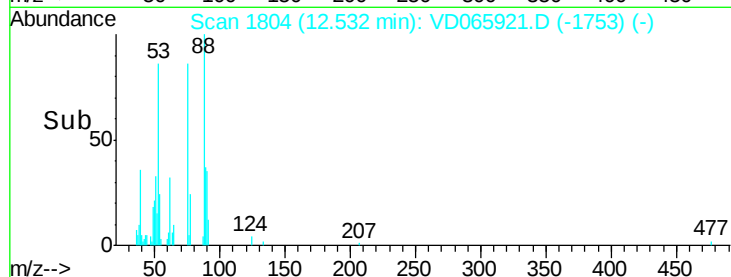
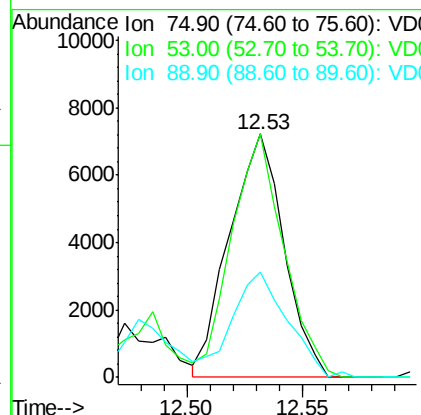
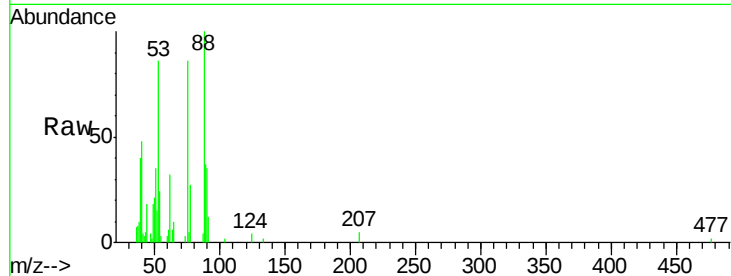
#81
trans-1,4-Dichloro-2-butene
Concen: 9.966 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.0	75.8	113.8
89	44.5	37.5	56.3

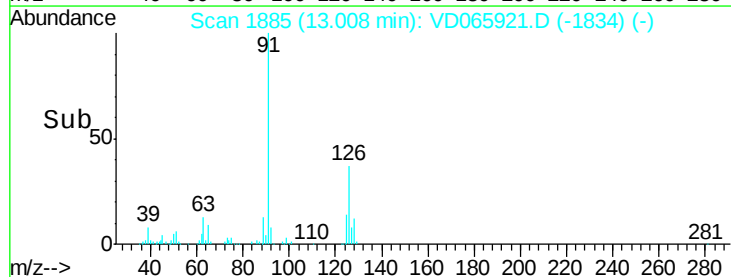
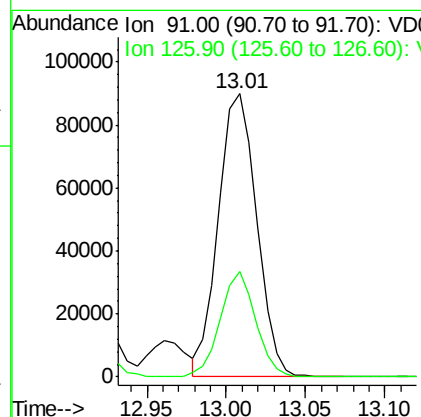
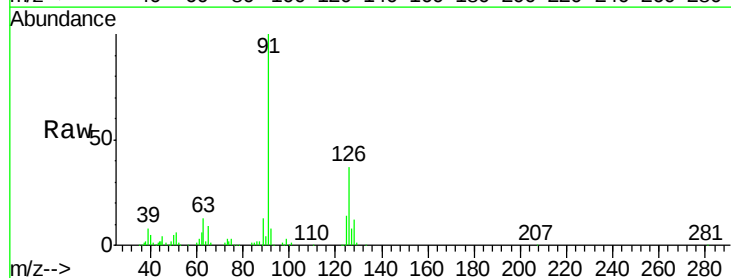
Manual Integrations
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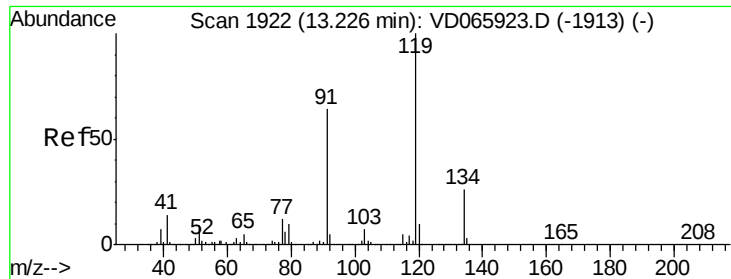
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#82
4-Chlorotoluene
Concen: 10.211 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	51.7





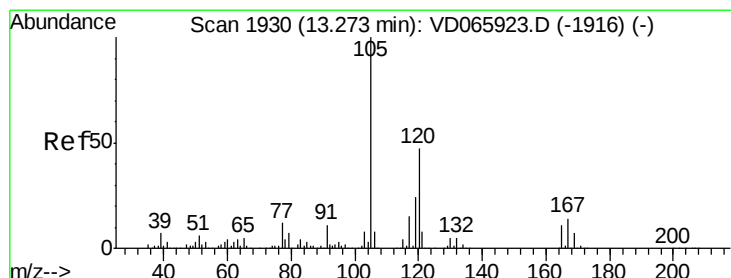
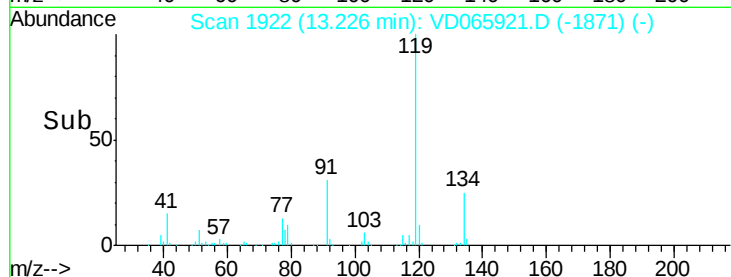
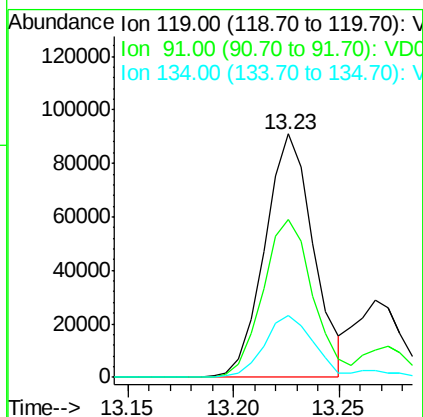
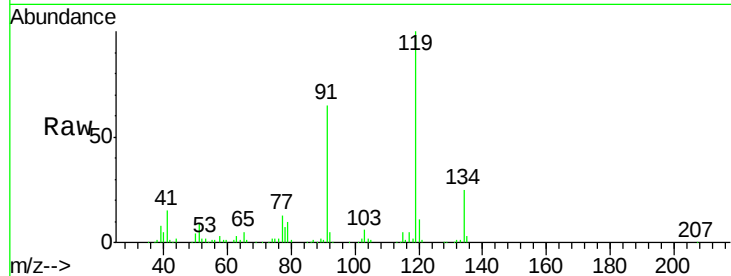
#83
tert-Butylbenzene
Concen: 9.840 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.4	97.2
134	25.8	14.1	42.4

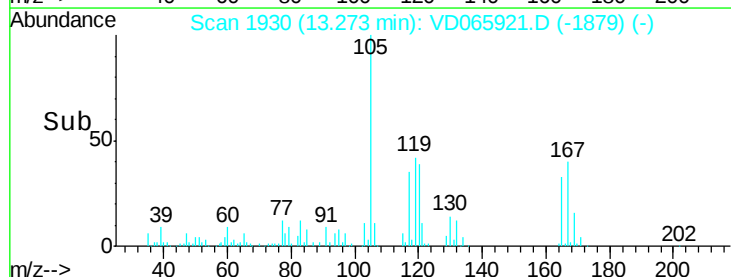
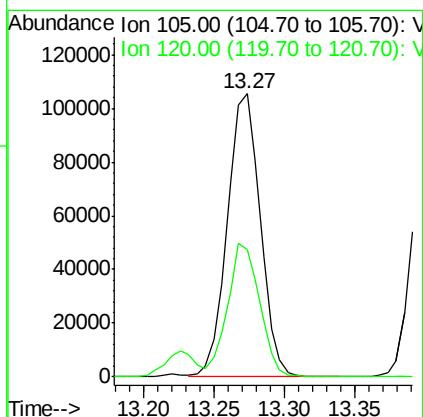
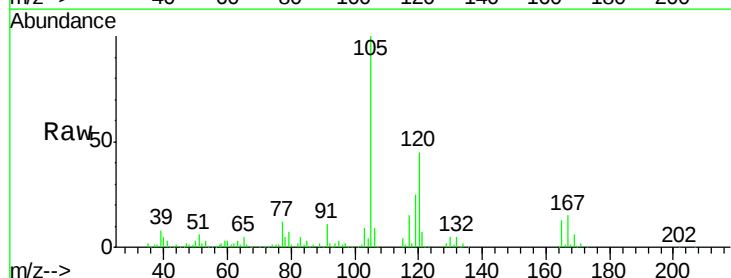
Manual Integrations
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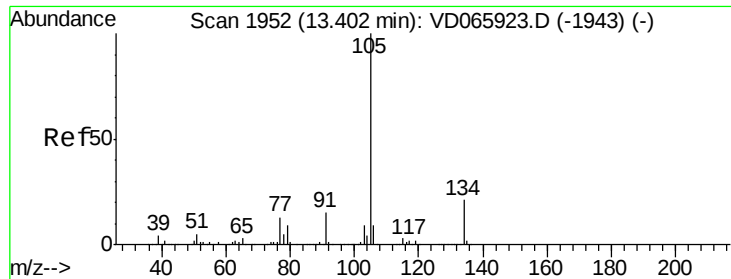
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#84
1,2,4-Trimethylbenzene
Concen: 9.906 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.2	69.5





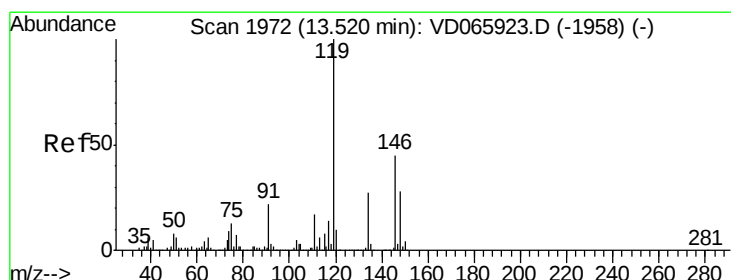
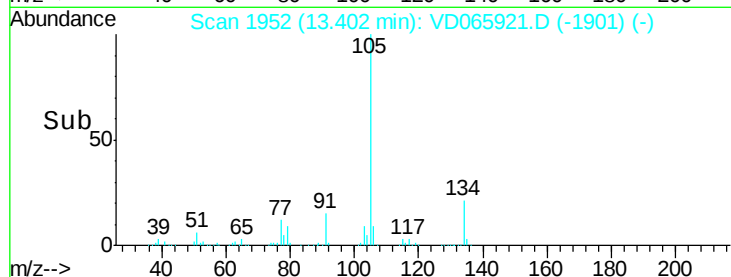
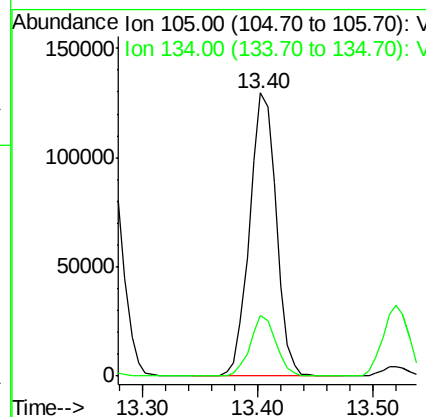
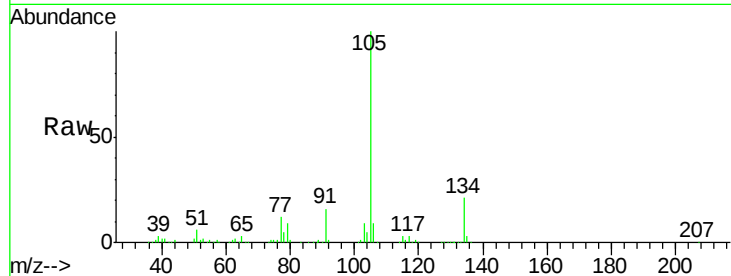
#85
 sec-Butylbenzene
 Concen: 9.927 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.4	31.1

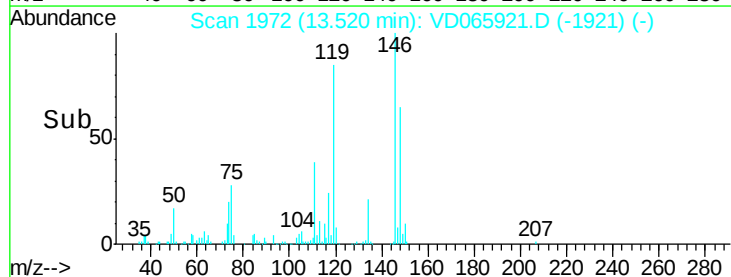
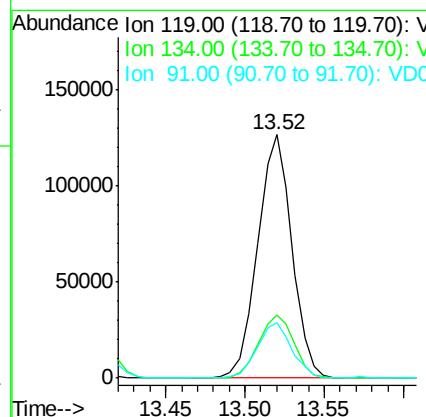
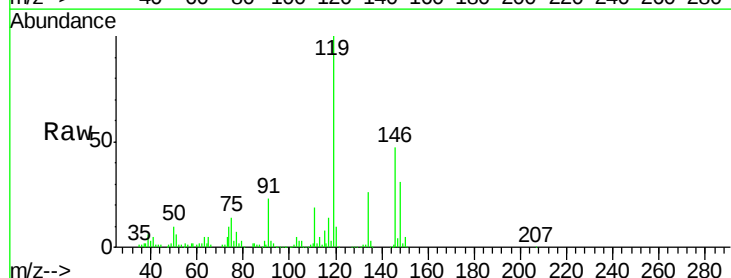
Manual Integrations
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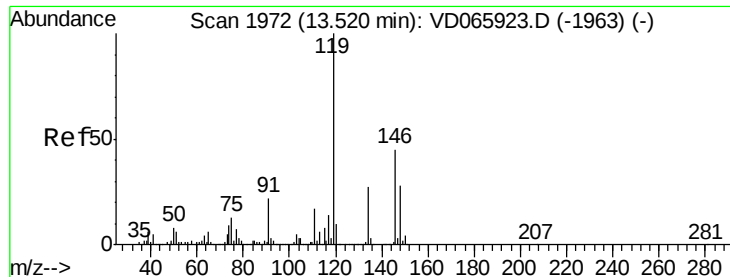
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#86
 p-Isopropyltoluene
 Concen: 9.899 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.1
91	23.1	11.3	33.8





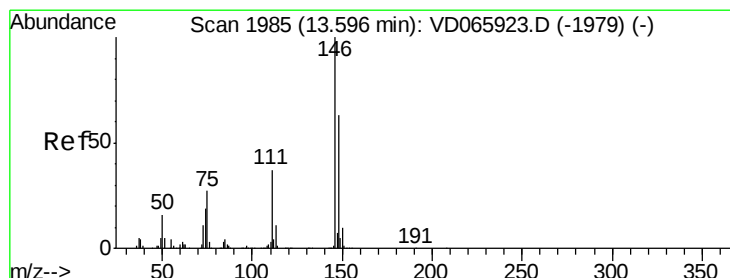
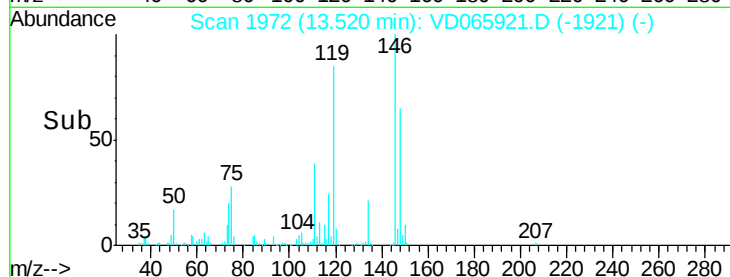
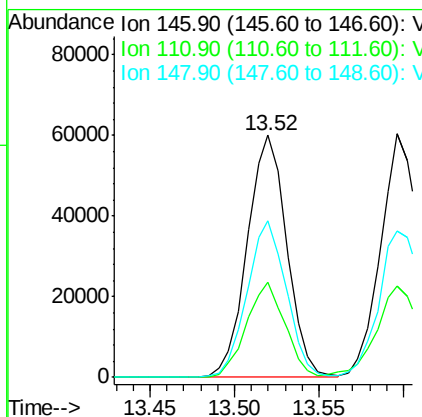
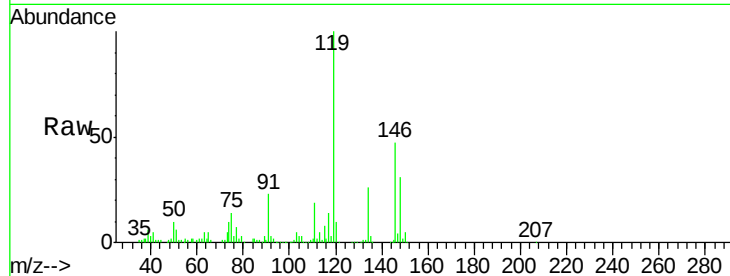
#87
 1,3-Dichlorobenzene
 Concen: 10.162 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.3	57.8
148	64.2	32.0	96.0

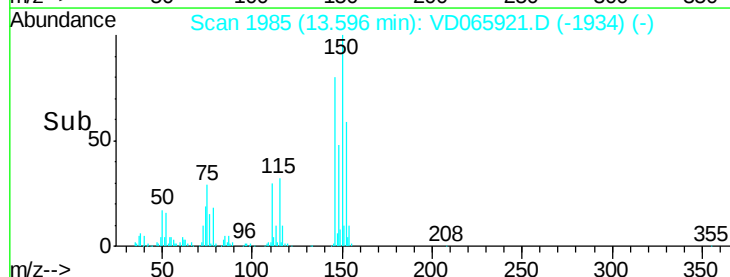
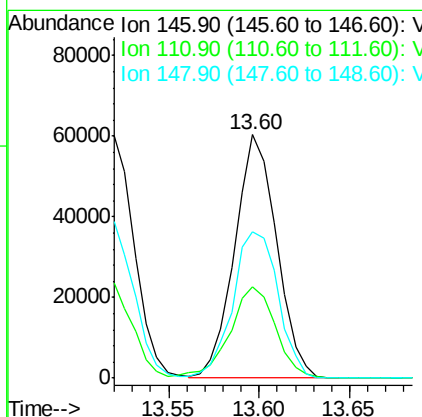
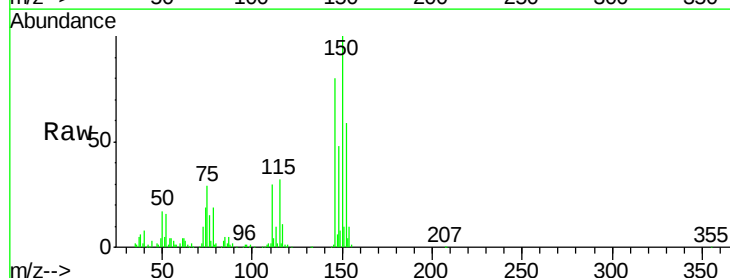
Manual Integrations
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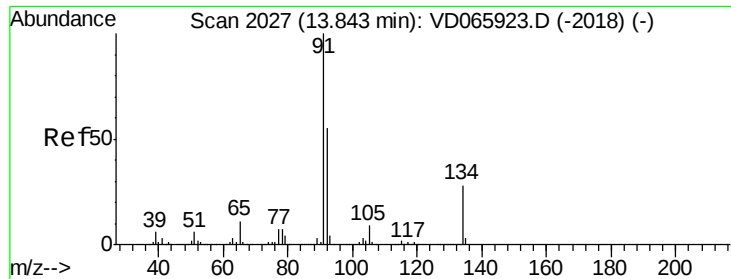
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#88
 1,4-Dichlorobenzene
 Concen: 10.111 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.9	56.7
148	65.1	32.1	96.3





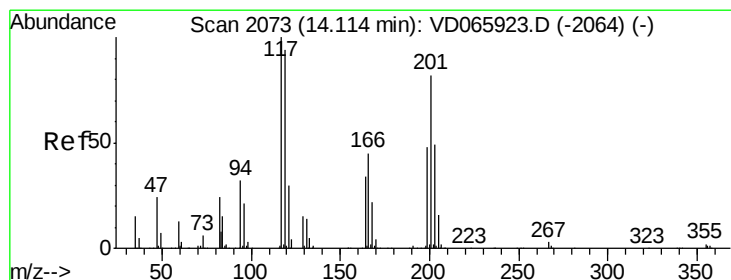
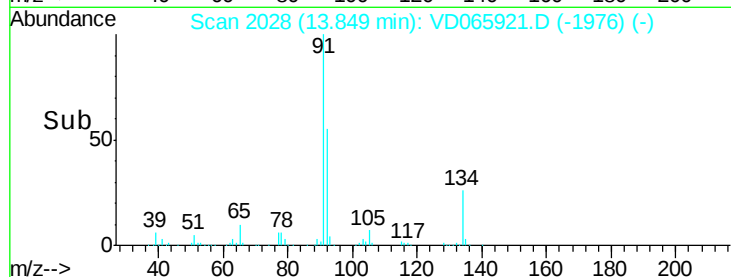
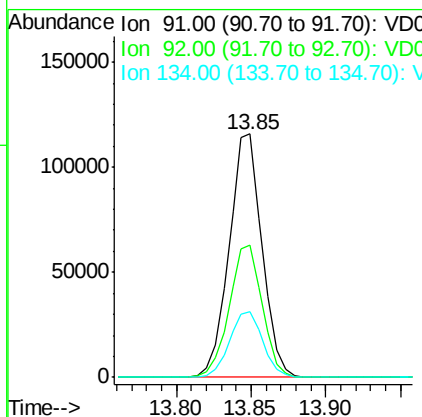
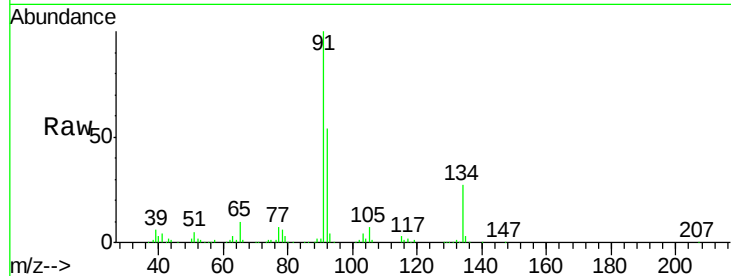
#89
n-Butylbenzene
Concen: 9.878 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	27.2	81.6	
134	27.5	13.8	41.3	

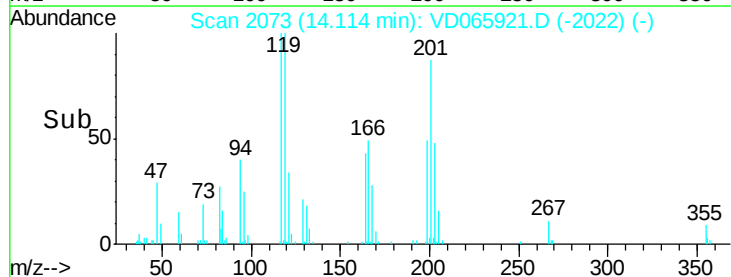
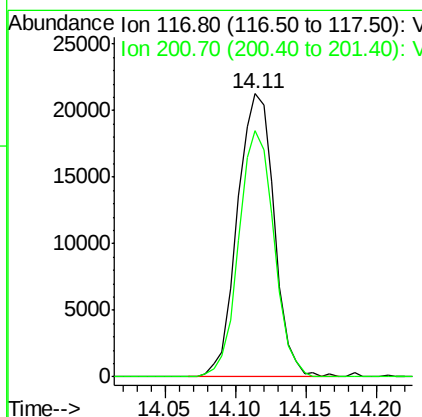
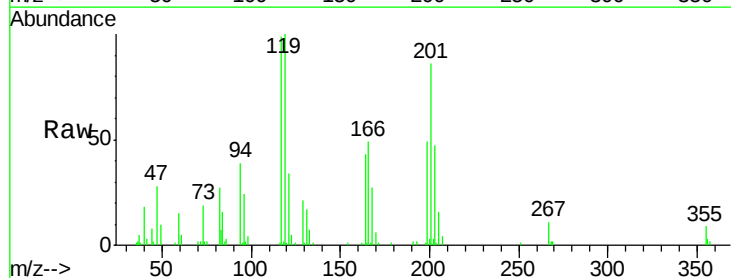
Manual Integrations
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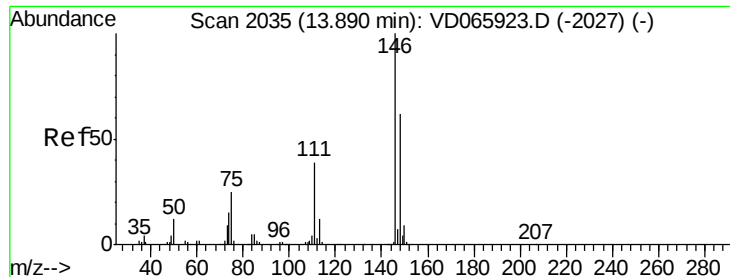
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#90
Hexachloroethane
Concen: 10.005 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.4	40.0	120.0	





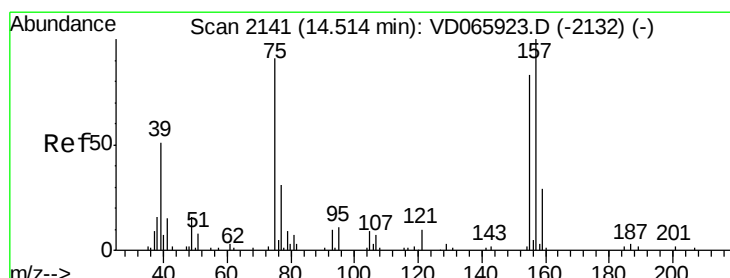
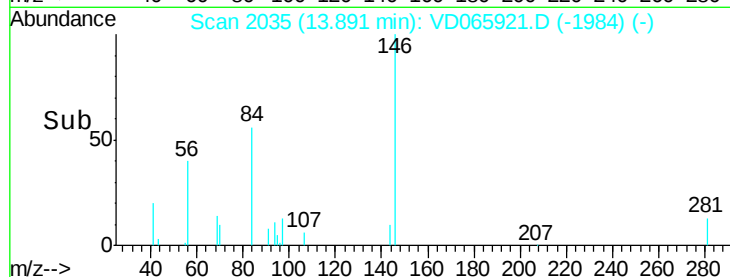
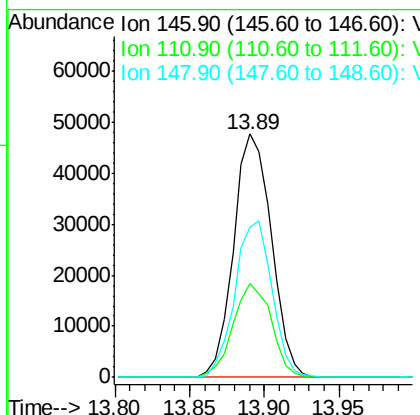
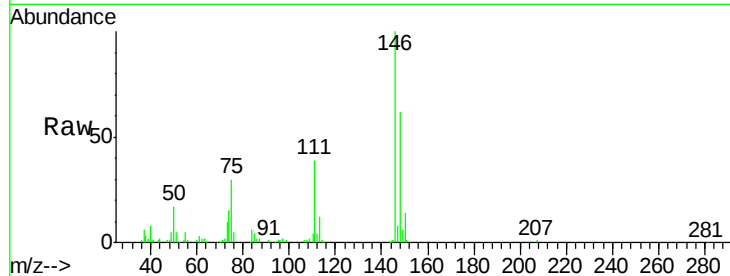
#91
 1,2-Dichlorobenzene
 Concen: 9.996 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.0
148	63.2	32.5	97.5

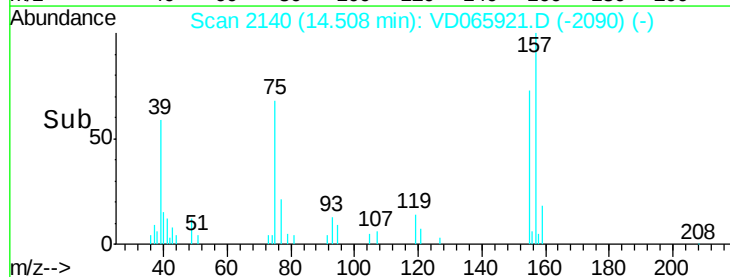
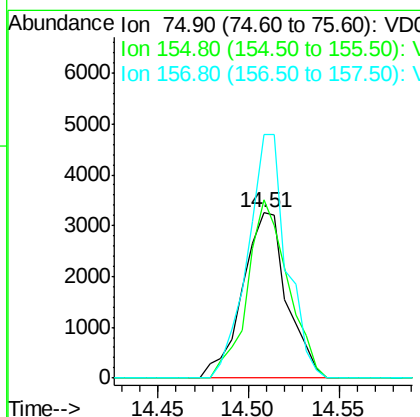
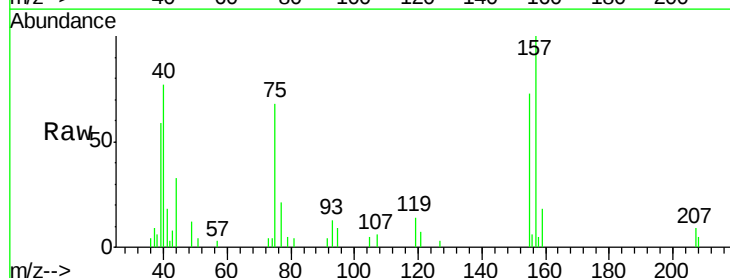
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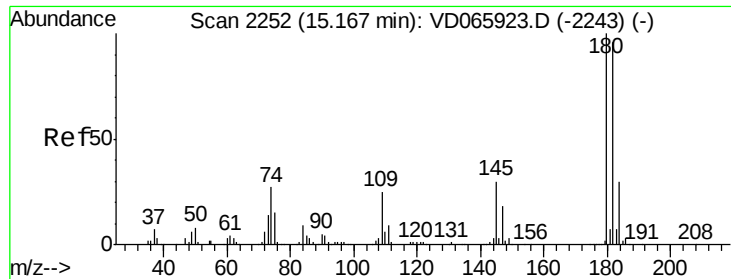
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.416 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	45.3	135.8
157	129.2	56.9	170.6





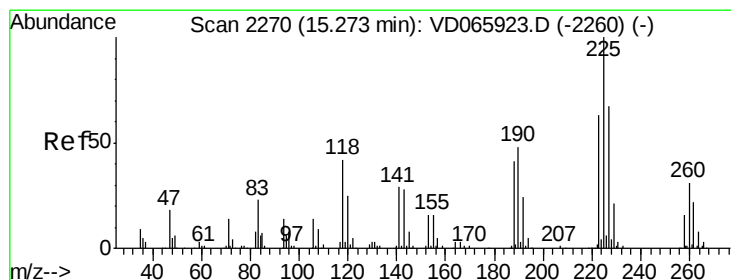
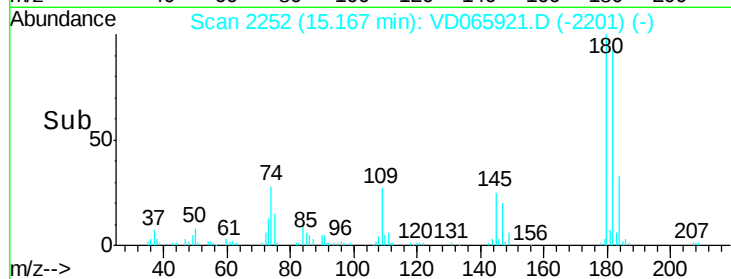
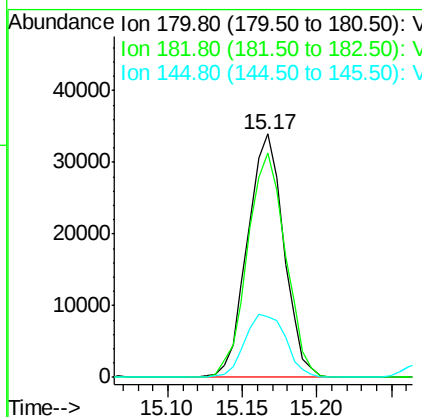
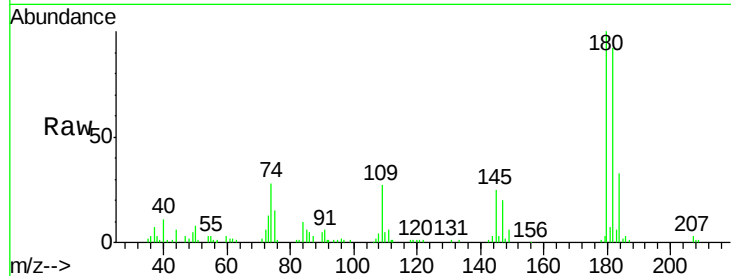
#93
 1,2,4-Trichlorobenzene
 Concen: 9.521 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.5	145.6
145	29.2	15.0	45.1

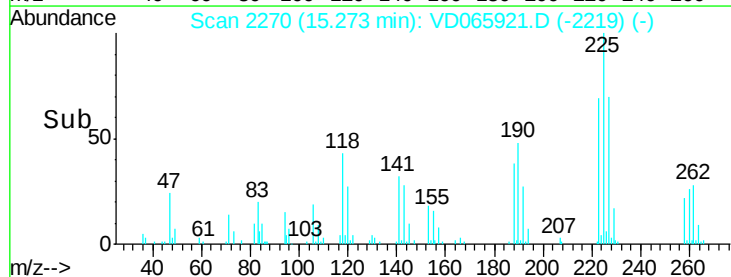
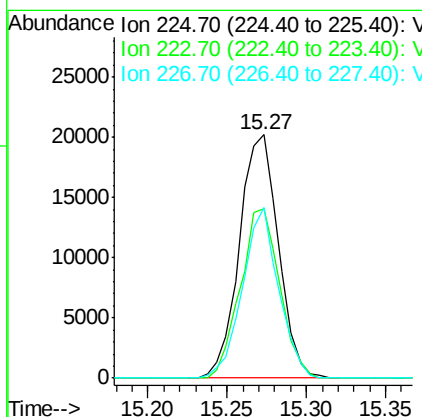
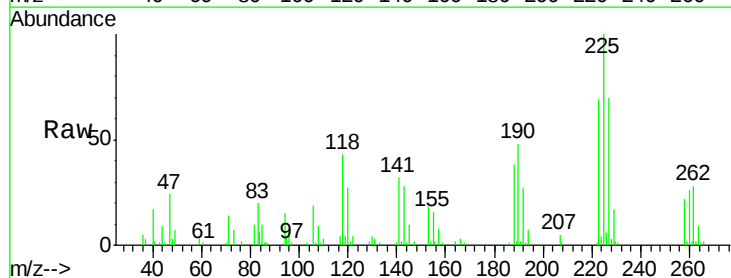
Manual Integrations
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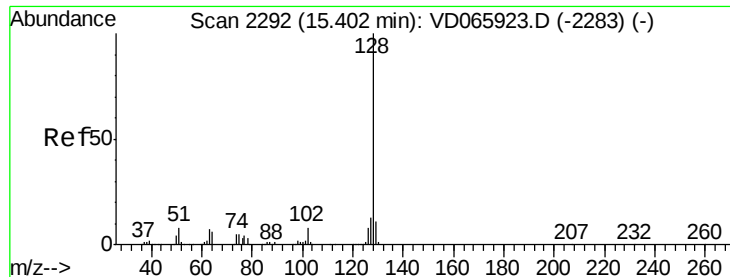
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 9.505 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	70.0	31.1	93.2
227	64.9	31.6	95.0





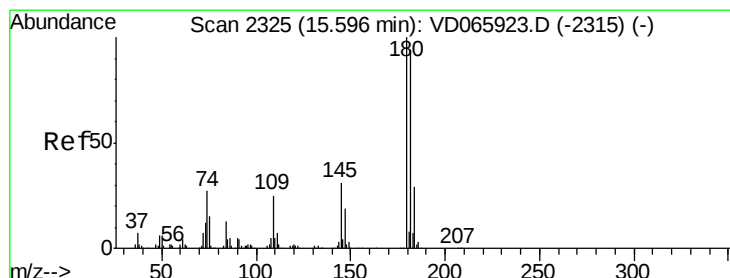
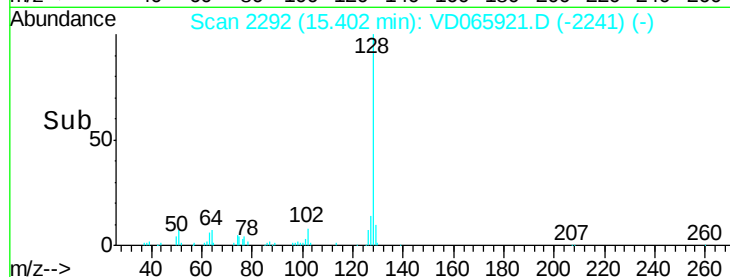
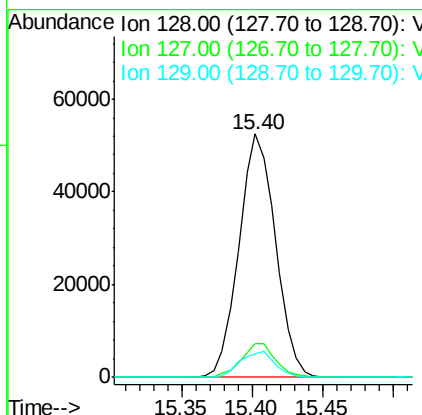
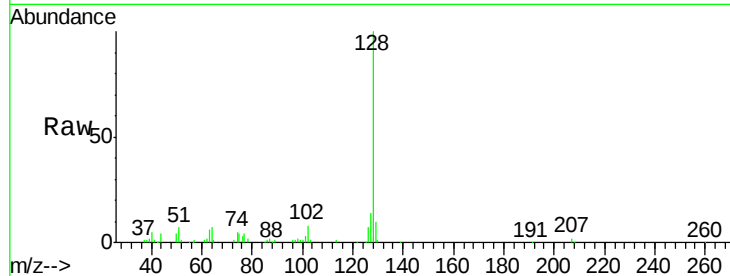
#95
Naphthalene
Concen: 9.463 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	10.3	8.9	13.3

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 9.830 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.6	142.8
145	32.0	16.1	48.2

