

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065954.D
 Acq On : 16 Jul 2020 13:45
 Operator : VA/SY
 Sample : VD0716SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/17/2020 4:43:40 PM

Quant Time: Jul 17 04:00:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	360880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	523797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	475613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	140404	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	
35) Dibromofluoromethane	7.92	113	155570	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
50) Toluene-d8	10.34	98	579770	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	12.63	95	203735	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	66141	20.616	ug/l	99
3) Chloromethane	2.21	50	53807	16.918	ug/l	97
4) Vinyl Chloride	2.35	62	49820	17.060	ug/l	98
5) Bromomethane	2.76	94	32826	17.746	ug/l	81
6) Chloroethane	2.92	64	28456	16.301	ug/l	90
7) Trichlorofluoromethane	3.27	101	122529	19.577	ug/l	91
8) Diethyl Ether	3.71	74	32025	18.651	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	73510	19.636	ug/l	96
10) Methyl Iodide	4.30	142	70944	19.600	ug/l	98
11) Tert butyl alcohol	5.22	59	20238	85.333	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	69608	19.903	ug/l	97
13) Acrolein	3.92	56	15848	79.682	ug/l	96
14) Allyl chloride	4.71	41	108409	18.291	ug/l	98
15) Acrylonitrile	5.42	53	67803	90.191	ug/l	98
16) Acetone	4.16	43	66442	88.645	ug/l	99
17) Carbon Disulfide	4.41	76	214369	19.236	ug/l	97
18) Methyl Acetate	4.73	43	29748	16.931	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	139077	18.783	ug/l	92
20) Methylene Chloride	4.96	84	109453	21.539	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	76733	19.500	ug/l	98
22) Diisopropyl ether	6.37	45	206631	18.551	ug/l	96
23) Vinyl Acetate	6.31	43	565393	88.930	ug/l	99
24) 1,1-Dichloroethane	6.26	63	124980	18.818	ug/l	99
25) 2-Butanone	7.21	43	87558	88.404	ug/l	97
26) 2,2-Dichloropropane	7.21	77	114461	19.700	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	80779	19.106	ug/l	98
28) Bromochloromethane	7.54	49	52640	20.981	ug/l	95
29) Tetrahydrofuran	7.56	42	55061	87.427	ug/l	98
30) Chloroform	7.71	83	127863	18.990	ug/l	99
31) Cyclohexane	7.98	56	120235	18.399	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	119025	19.371	ug/l	99
36) 1,1-Dichloropropene	8.11	75	103350	19.978	ug/l	99
37) Ethyl Acetate	7.30	43	37851	17.462	ug/l #	94
38) Carbon Tetrachloride	8.10	117	111690	20.143	ug/l	100

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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Jul 17 04:00:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	129130	20.331	ug/l	96
40) Benzene	8.35	78	288441	20.182	ug/l	100
41) Methacrylonitrile	7.54	41	25723m	20.440	ug/l	
42) 1,2-Dichloroethane	8.43	62	74245	18.338	ug/l	96
43) Isopropyl Acetate	8.45	43	71284	17.668	ug/l	93
44) Trichloroethene	9.11	130	85914	20.460	ug/l	97
45) 1,2-Dichloropropane	9.39	63	67115	18.921	ug/l	97
46) Dibromomethane	9.47	93	36021	19.505	ug/l	99
47) Bromodichloromethane	9.66	83	97784	19.739	ug/l	97
48) Methyl methacrylate	9.46	41	38259	18.836	ug/l	100
49) 1,4-Dioxane	9.46	88	8230	375.062	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	187167	91.758	ug/l	100
52) Toluene	10.40	92	190951	21.001	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	90046	19.332	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	110309	19.599	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	50347	19.787	ug/l	94
56) Ethyl methacrylate	10.66	69	59884	19.269	ug/l	98
57) 1,3-Dichloropropane	10.95	76	83725	18.816	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	158209	105.116	ug/l	98
59) 2-Hexanone	10.98	43	132748	94.628	ug/l	99
60) Dibromochloromethane	11.14	129	68378	19.670	ug/l	99
61) 1,2-Dibromoethane	11.25	107	47886	18.876	ug/l	96
64) Tetrachloroethene	10.88	164	76617	22.151	ug/l	93
65) Chlorobenzene	11.67	112	201674	21.042	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	73920	20.620	ug/l	100
67) Ethyl Benzene	11.74	91	354893	20.843	ug/l	99
68) m/p-Xylenes	11.86	106	276252	42.704	ug/l	100
69) o-Xylene	12.18	106	124310	21.095	ug/l	99
70) Styrene	12.20	104	218789	21.507	ug/l	98
71) Bromoform	12.36	173	41464	20.441	ug/l #	97
73) Isopropylbenzene	12.48	105	350811	20.193	ug/l	99
74) N-amyl acetate	12.29	43	68815	17.652	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	52428	18.177	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	37058m	17.746	ug/l	
77) Bromobenzene	12.76	156	85171	20.213	ug/l	96
78) n-propylbenzene	12.82	91	411484	20.202	ug/l	100
79) 2-Chlorotoluene	12.91	91	228734	19.795	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	292557	20.588	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18430	18.964	ug/l	99
82) 4-Chlorotoluene	13.01	91	238159	19.645	ug/l	97
83) tert-Butylbenzene	13.23	119	247526	20.445	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	289333	20.455	ug/l	99
85) sec-Butylbenzene	13.40	105	345659	20.146	ug/l	100
86) p-Isopropyltoluene	13.52	119	323814	20.634	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	164838	20.905	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	161700	20.556	ug/l	99
89) n-Butylbenzene	13.84	91	292448	19.845	ug/l	100
90) Hexachloroethane	14.11	117	61811	19.532	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	139095	20.183	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	9081	18.829	ug/l	98

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBSD01

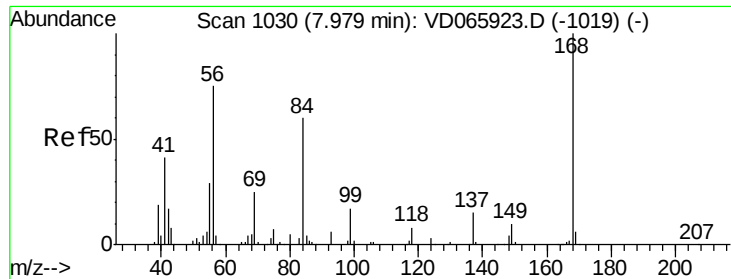
Manual Integrations
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MMDadoda
7/17/2020 4:43:40 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:45:47 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	104404	21.256	ug/l	97
94) Hexachlorobutadiene	15.27	225	62158	20.921	ug/l	99
95) Naphthalene	15.40	128	157404	19.108	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	87684	20.697	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: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

Tot Ion:168 Resp: 360880

Ion Ratio Lower Upper

168 100

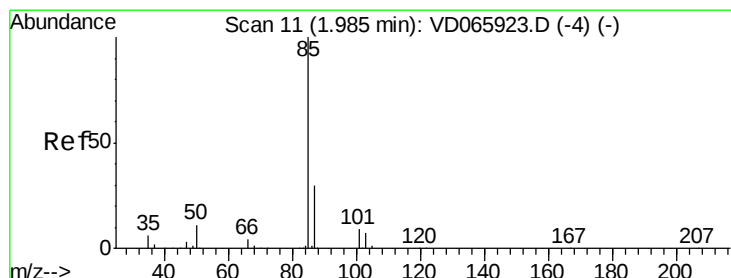
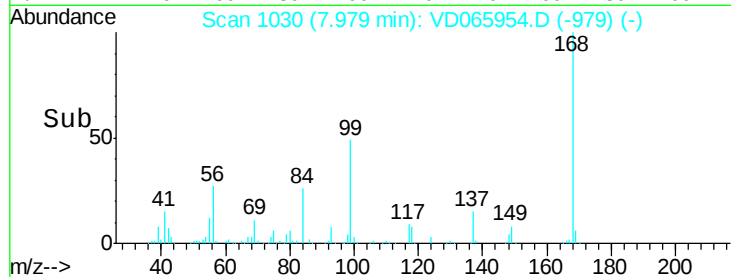
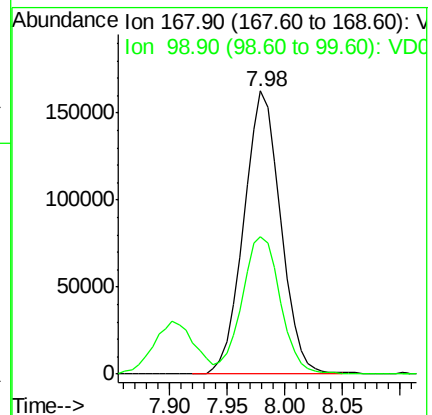
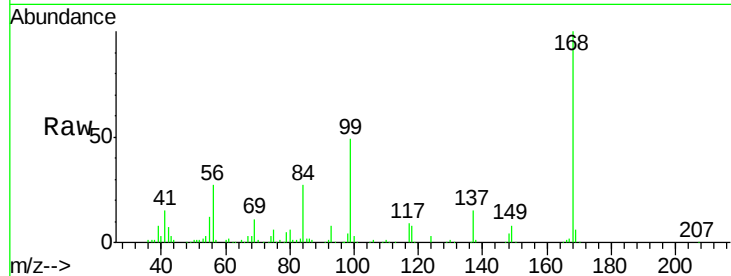
99 48.4 43.1 64.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.616 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065954.D

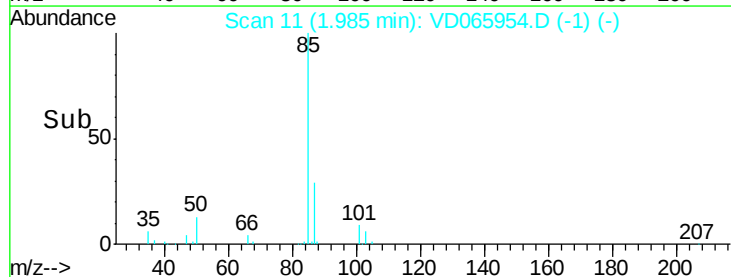
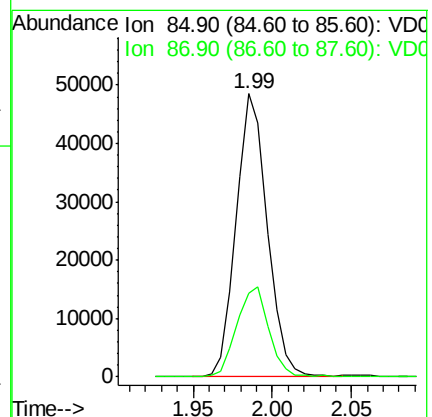
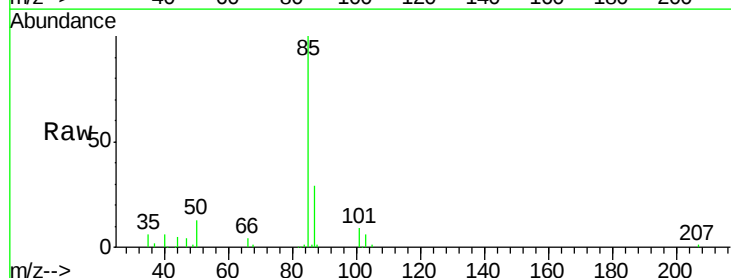
Acq: 16 Jul 2020 13:45

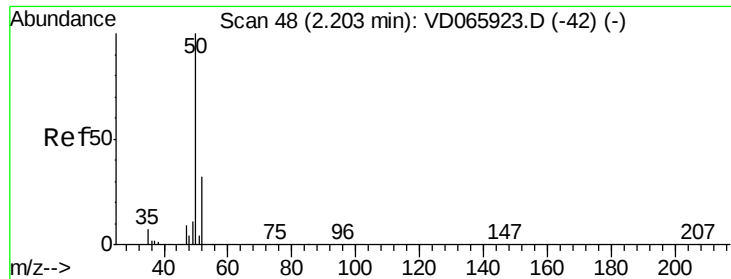
Tgt Ion: 85 Resp: 66141

Ion Ratio Lower Upper

85 100

87 29.4 14.9 44.9





#3

Chloromethane

Concen: 16.918 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

Tot Ion: 50 Resp: 53807

Ion Ratio Lower Upper

50 100

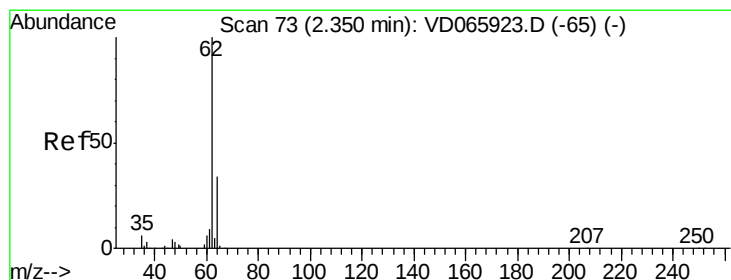
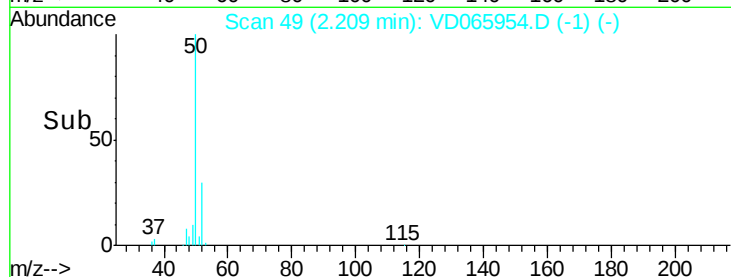
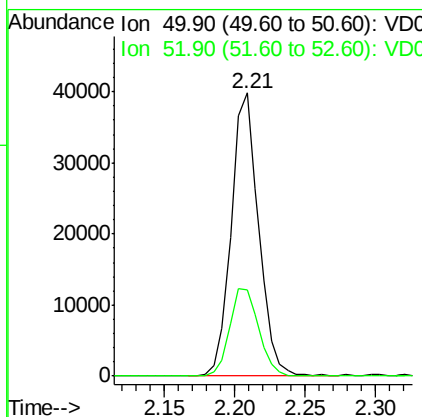
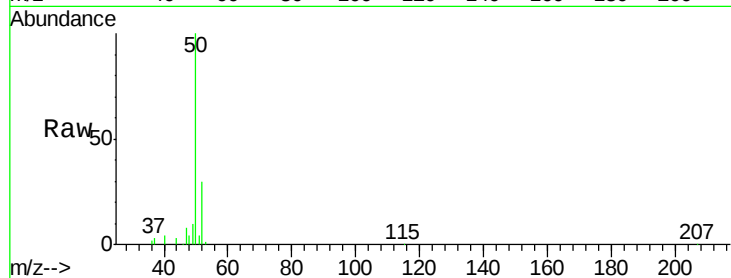
52 30.3 25.6 38.4

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 17.060 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065954.D

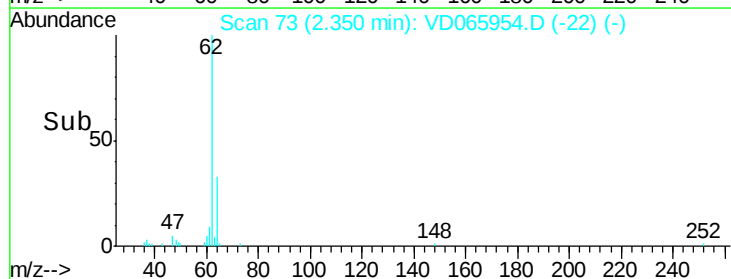
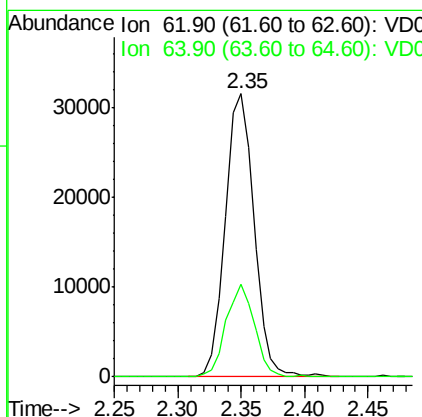
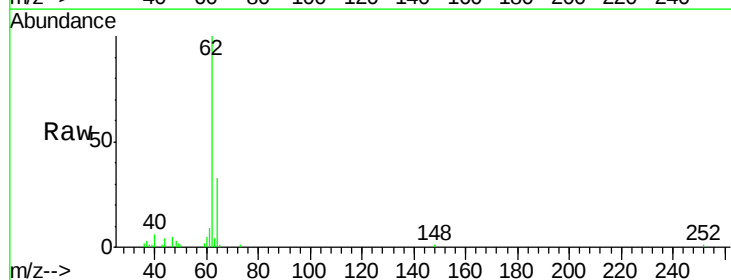
Acq: 16 Jul 2020 13:45

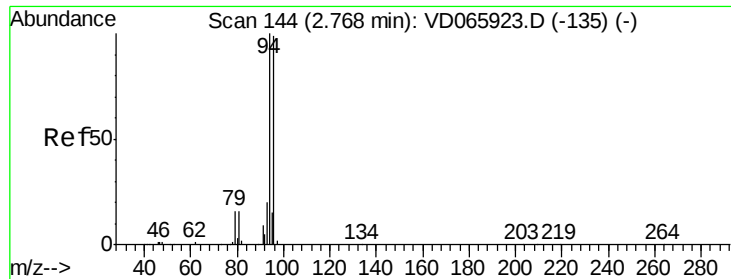
Tgt Ion: 62 Resp: 49820

Ion Ratio Lower Upper

62 100

64 32.8 27.2 40.8





#5

Bromomethane

Concen: 17.746 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

Tot Ion: 94 Resp: 32826

Ion Ratio Lower Upper

94 100

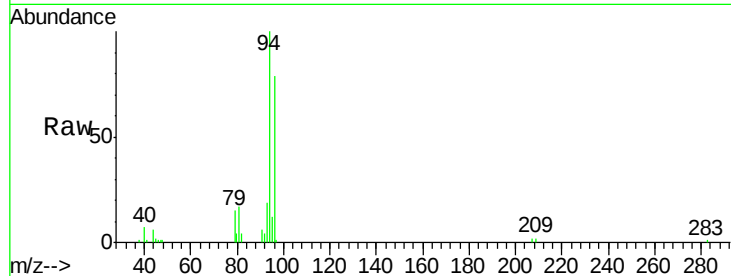
96 79.4 78.8 118.2

Manual Integrations

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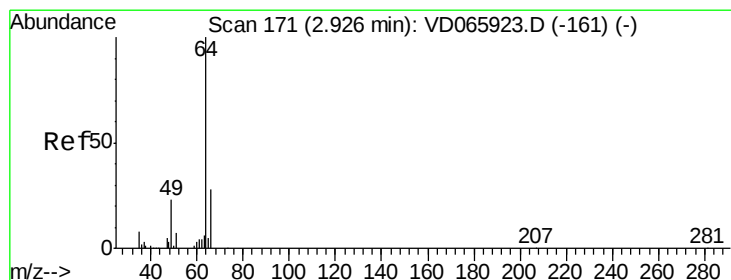
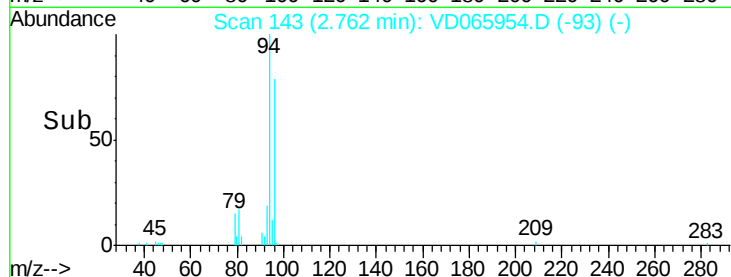
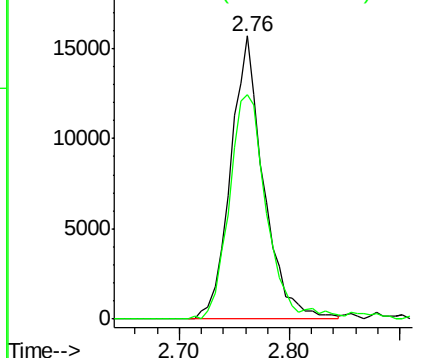
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.301 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065954.D

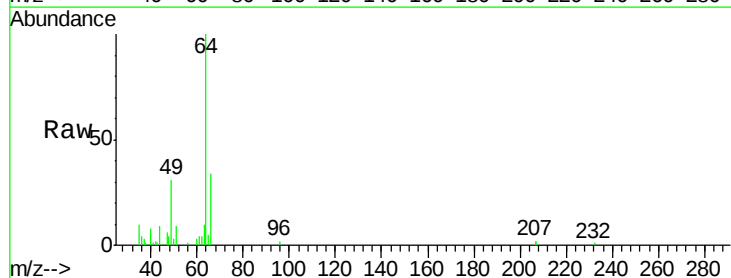
Acq: 16 Jul 2020 13:45

Tgt Ion: 64 Resp: 28456

Ion Ratio Lower Upper

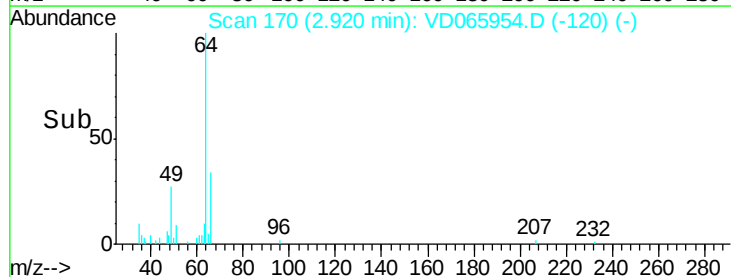
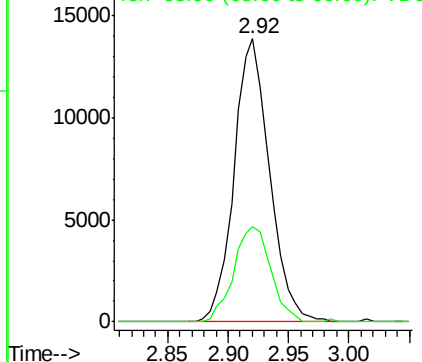
64 100

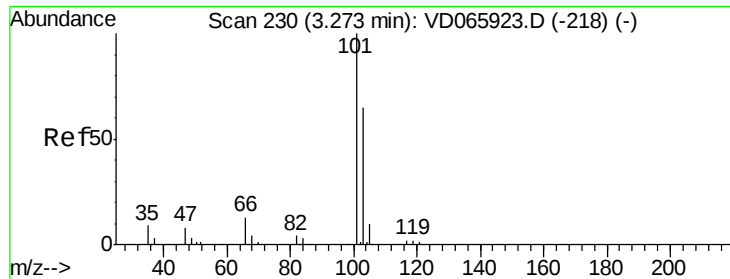
66 33.7 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

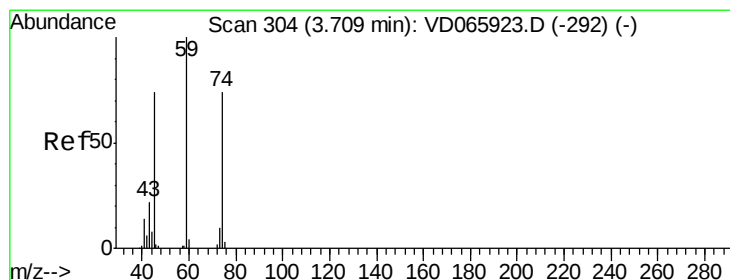
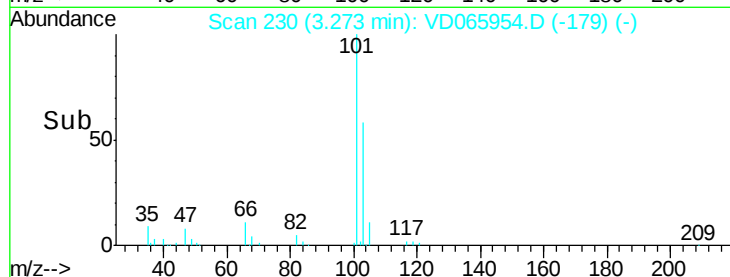
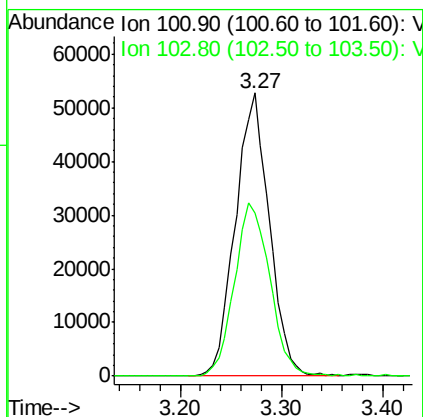
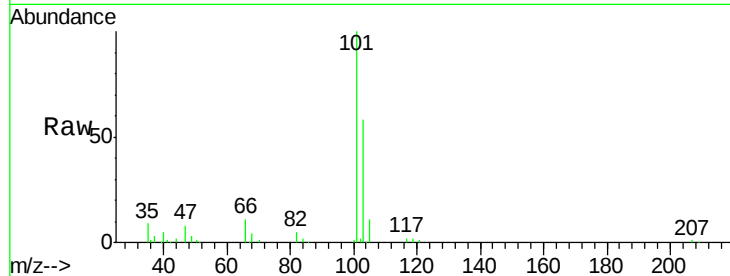
Trichlorofluoromethane
 Concen: 19.577 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

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 VD0716SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.5	51.7	77.5

Manual Integrations
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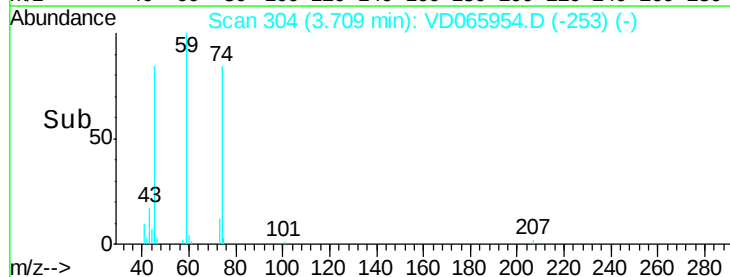
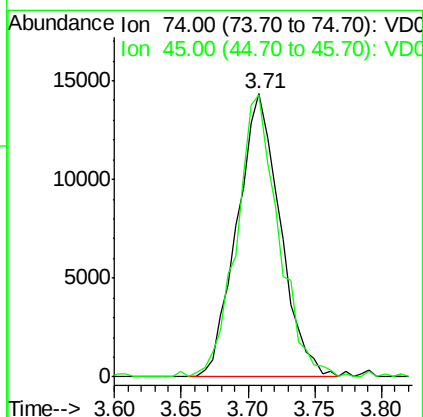
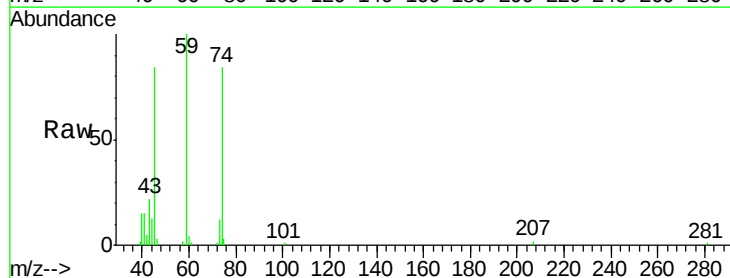
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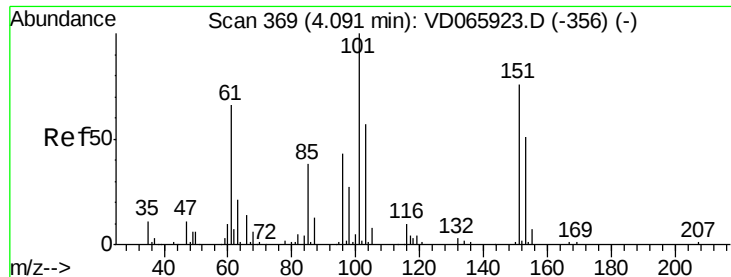


#8

Diethyl Ether
 Concen: 18.651 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	51.1	153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.636 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

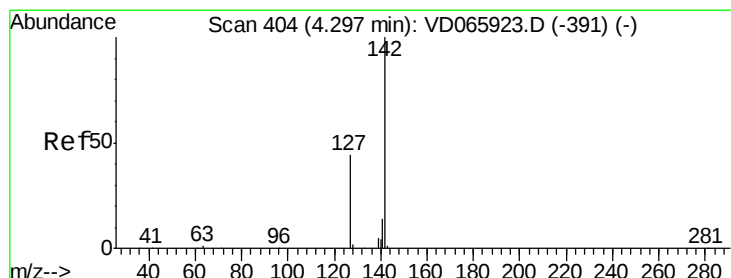
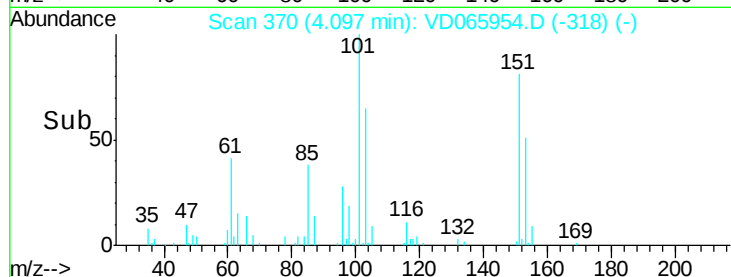
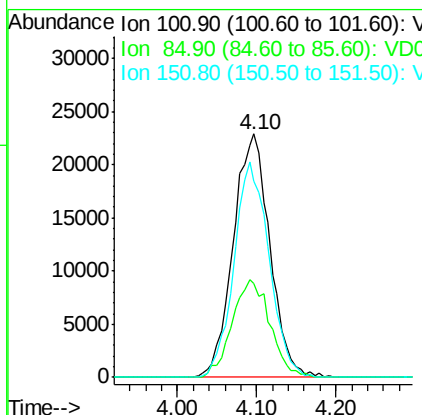
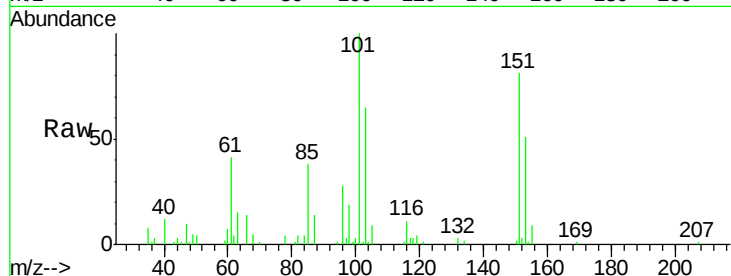
ClientSampleId :

VD0716SBS01

Tot Ion:	101	Resp:	73510
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.8	50.8
151	84.7	64.1	96.1

Manual Integrations
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#10

Methyl Iodide

Concen: 19.600 ug/l

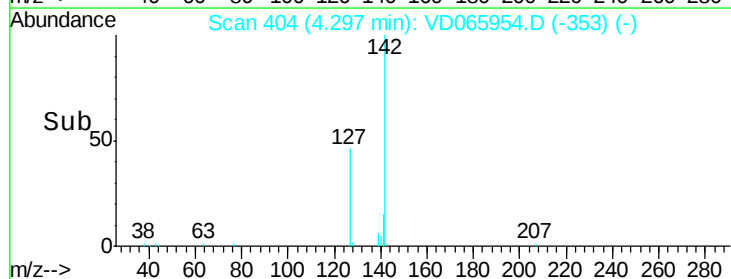
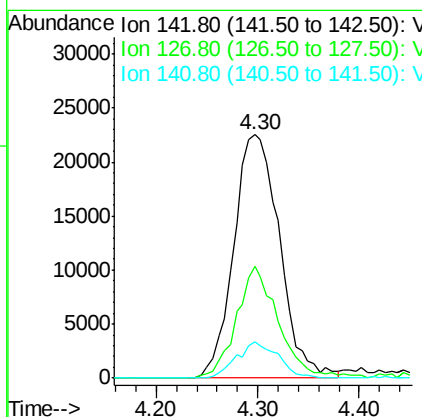
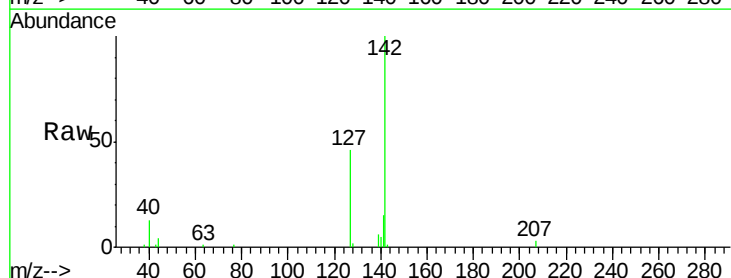
RT: 4.30 min Scan# 404

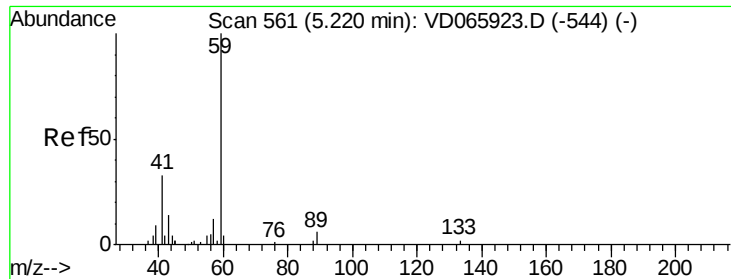
Delta R.T. 0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Tgt Ion:	142	Resp:	70944
Ion Ratio	Lower	Upper	
142	100		
127	42.2	34.6	51.8
141	13.6	11.6	17.4





#11

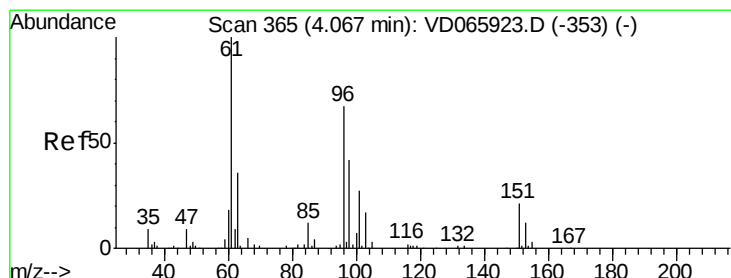
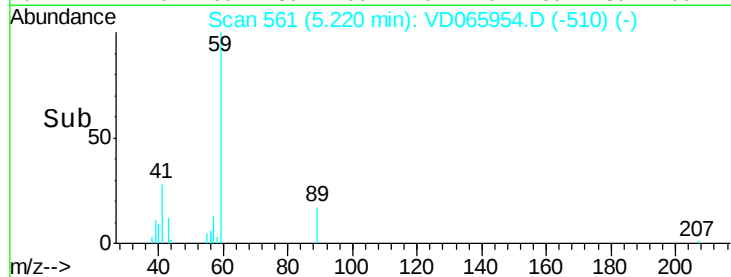
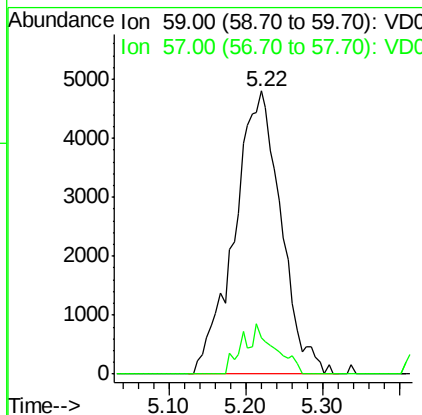
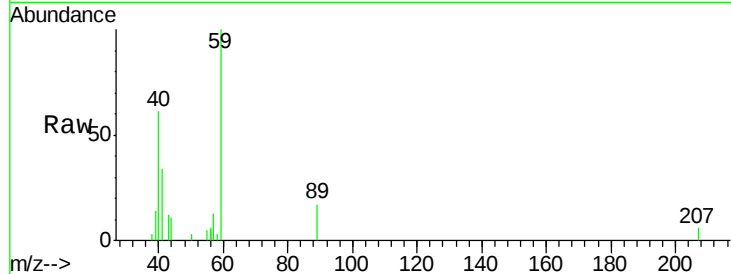
Tert butyl alcohol
 Concen: 85.333 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion: 59 Resp: 20238
 Ion Ratio Lower Upper
 59 100
 57 7.6 8.7 13.1#

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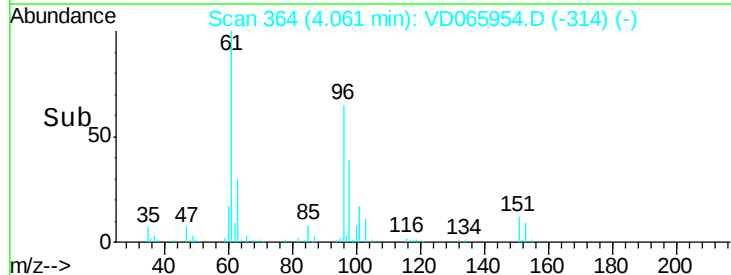
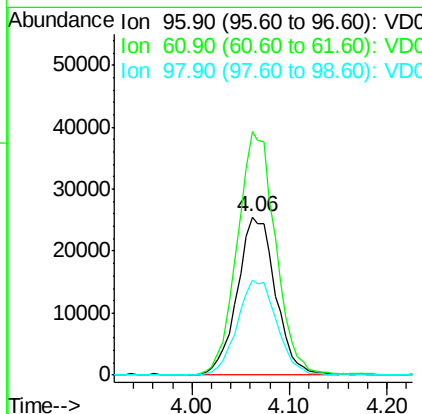
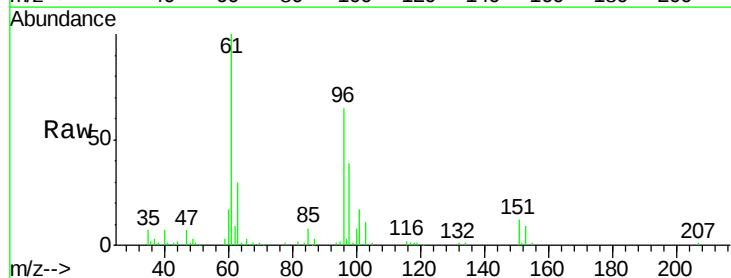
MMDadoda
 7/17/2020 4:43:40 PM

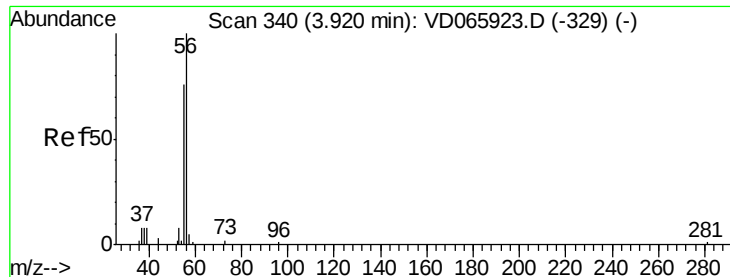


#12

1,1-Dichloroethene
 Concen: 19.903 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Tgt Ion: 96 Resp: 69608
 Ion Ratio Lower Upper
 96 100
 61 153.9 120.2 180.2
 98 59.8 50.6 76.0





#13

Acrolein

Concen: 79.682 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

Tot Ion: 56 Resp: 15848

Ion Ratio Lower Upper

56 100

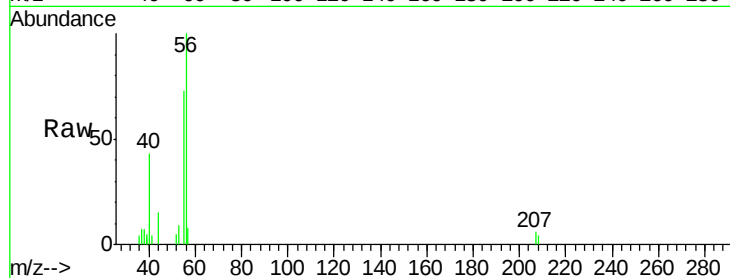
55 71.8 55.0 82.6

Manual Integrations

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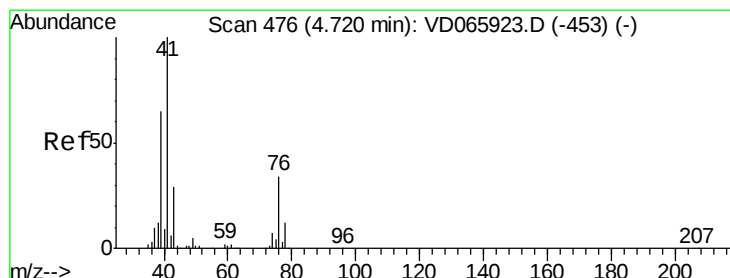
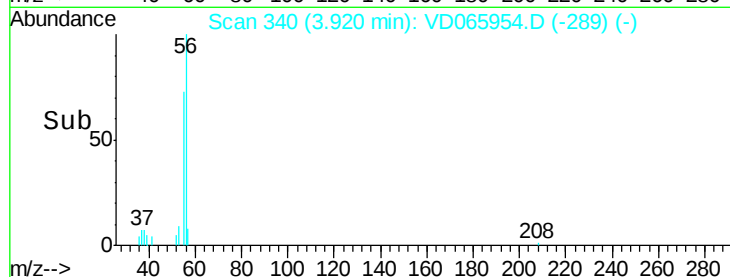
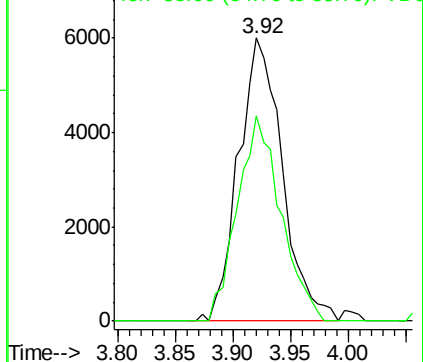
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.291 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

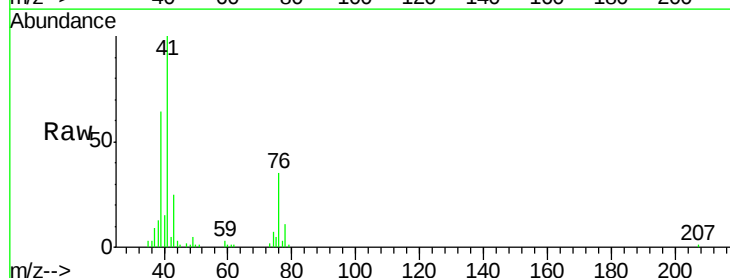
Tgt Ion: 41 Resp: 108409

Ion Ratio Lower Upper

41 100

39 64.8 52.2 78.4

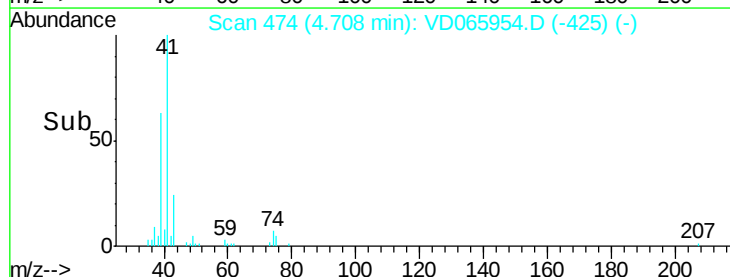
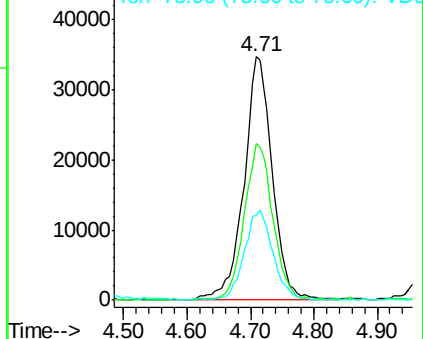
76 37.1 28.1 42.1

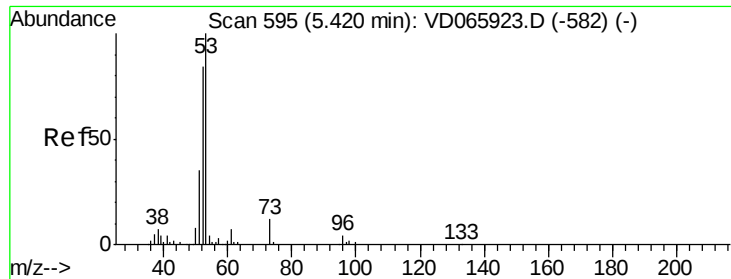


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 90.191 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

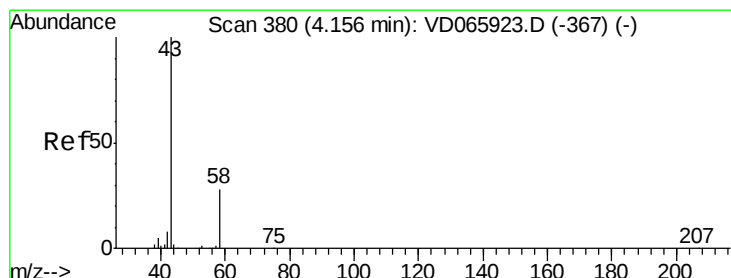
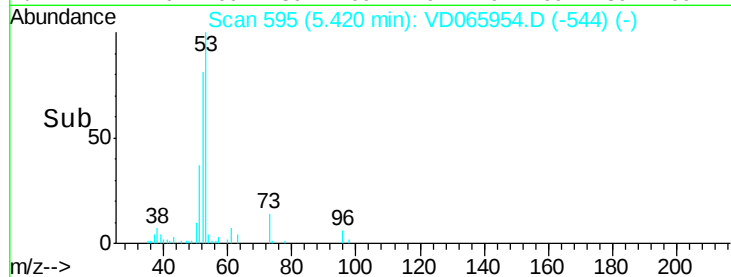
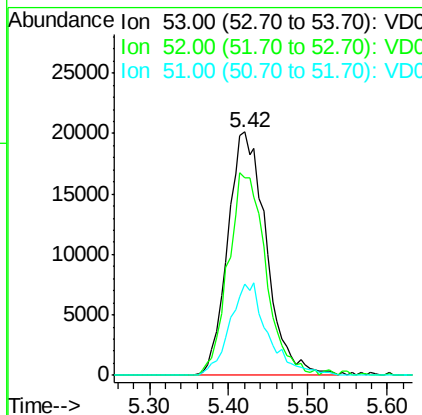
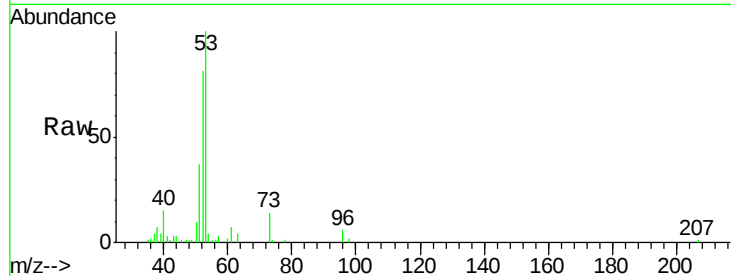
ClientSampleId :

VD0716SBS01

Tot Ion:	53	Resp:	67803
Ion Ratio	Lower	Upper	
53	100		
52	81.0	66.3	99.5
51	37.5	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 88.645 ug/l

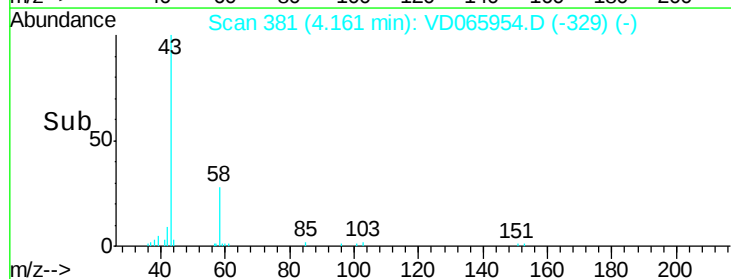
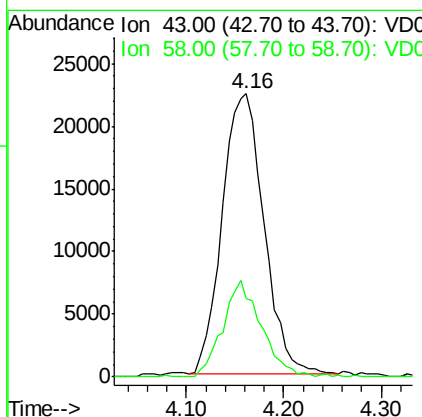
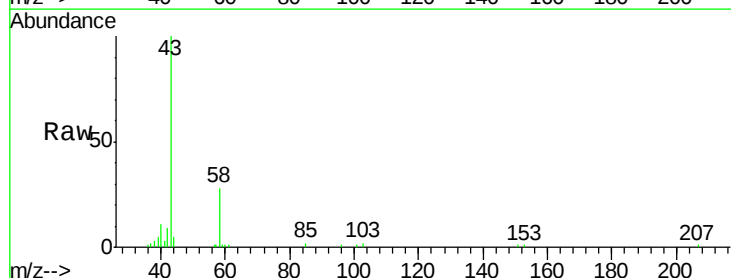
RT: 4.16 min Scan# 381

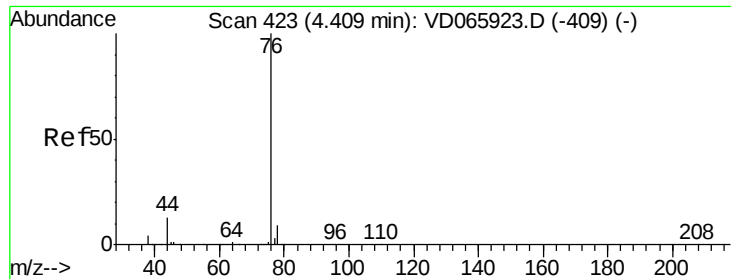
Delta R.T. 0.01 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Tgt Ion:	43	Resp:	66442
Ion Ratio	Lower	Upper	
43	100		
58	27.9	22.7	34.1





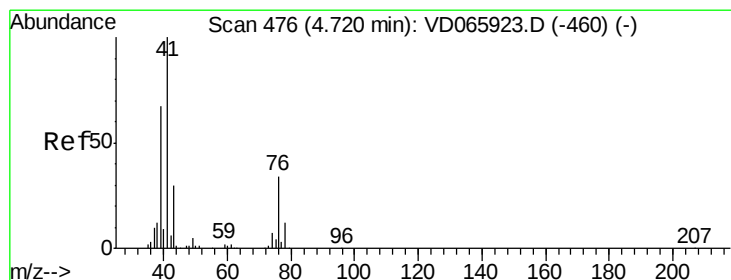
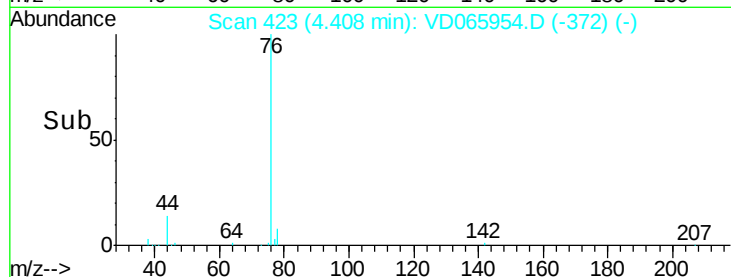
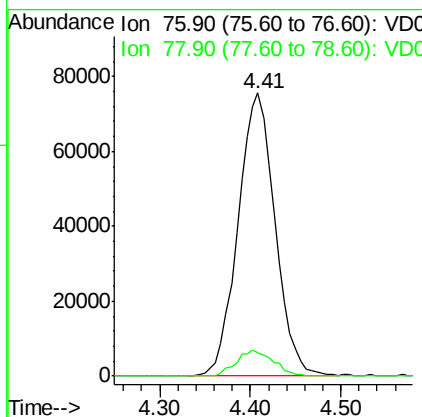
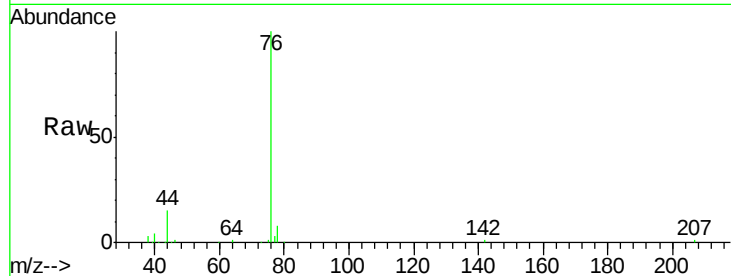
#17
Carbon Disulfide
Concen: 19.236 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.5	11.3

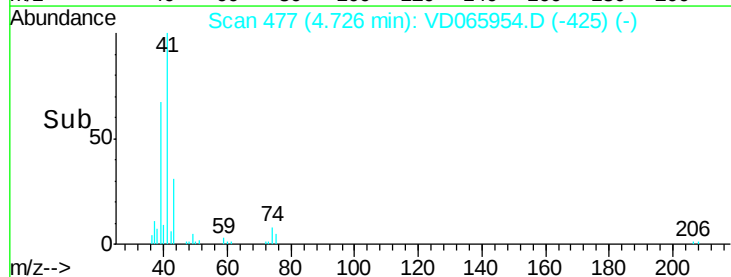
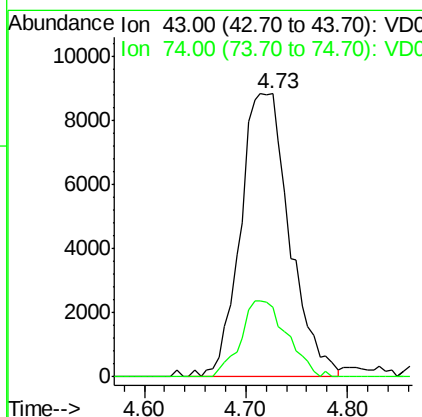
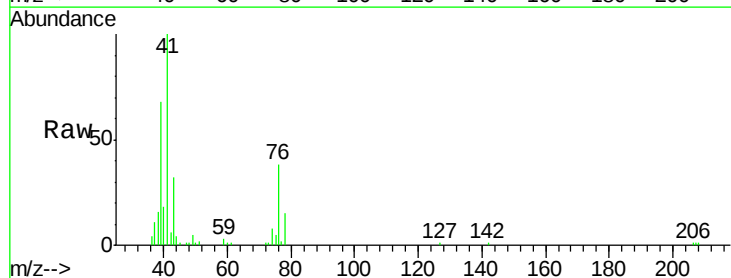
Manual Integrations
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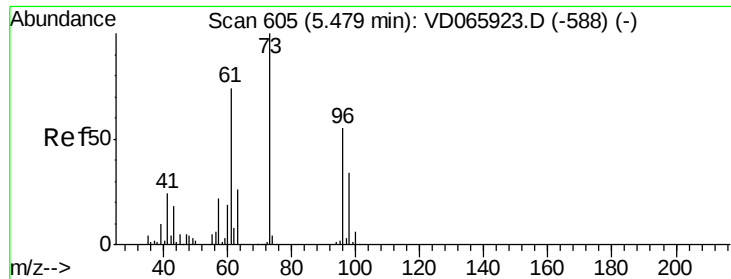
MMDadoda
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#18
Methyl Acetate
Concen: 16.931 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	17.8	26.8





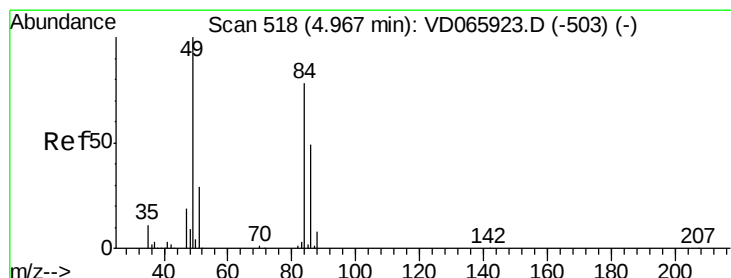
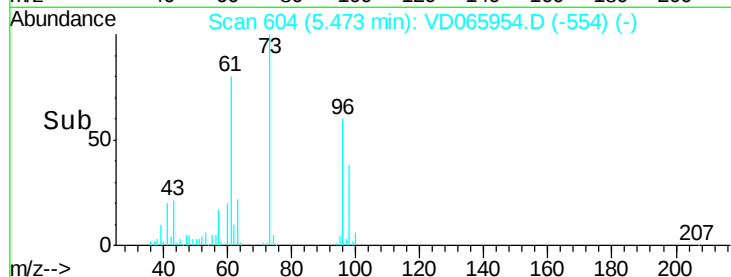
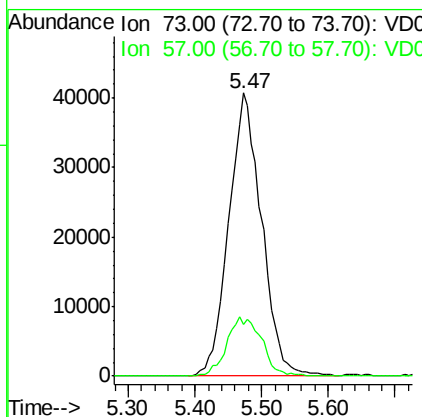
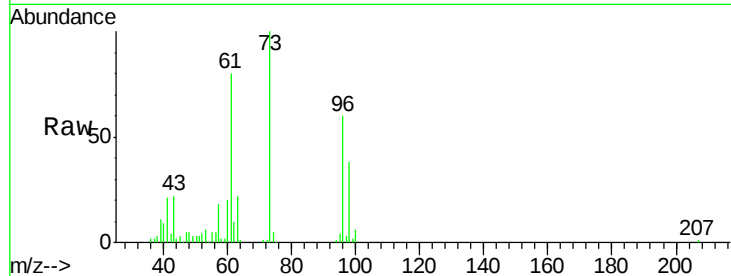
#19
Methvl tert-butvl Ether
Concen: 18.783 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion: 73 Resp: 139077
Ion Ratio Lower Upper
73 100
57 18.3 17.7 26.5

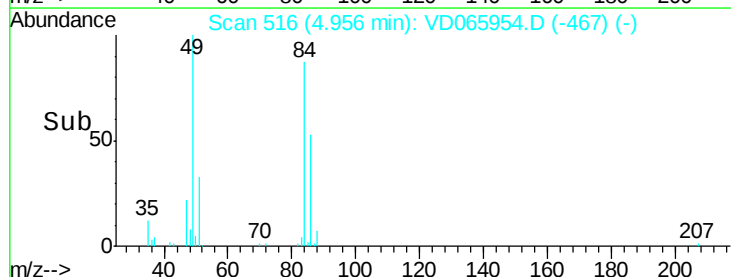
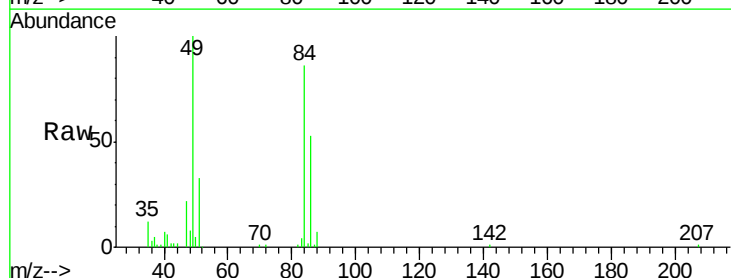
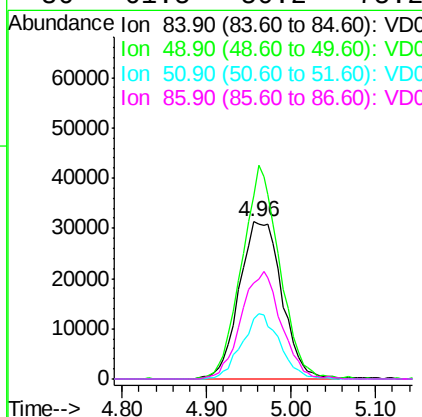
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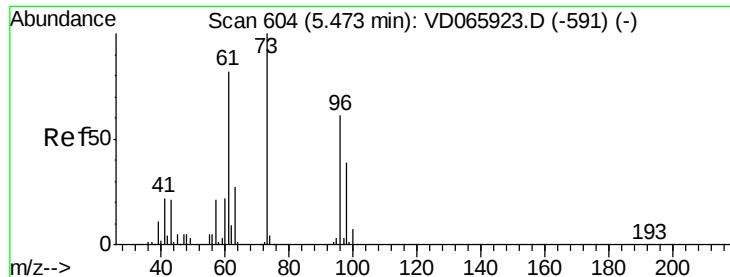
MMDadoda
7/17/2020 4:43:40 PM



#20
Methylene Chloride
Concen: 21.539 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion: 84 Resp: 109453
Ion Ratio Lower Upper
84 100
49 116.5 102.2 153.2
51 38.1 29.8 44.6
86 61.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.500 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

Tot Ion: 96 Resp: 76733

Ion Ratio Lower Upper

96 100

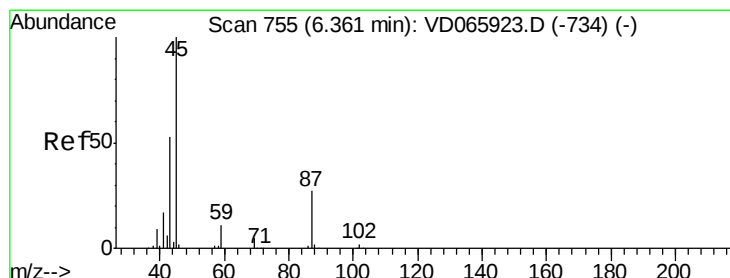
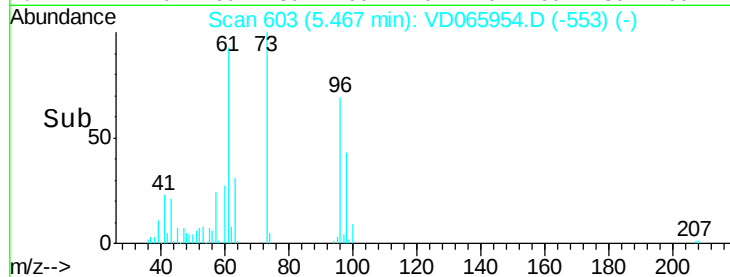
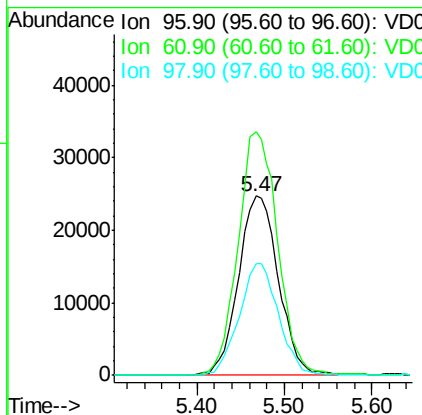
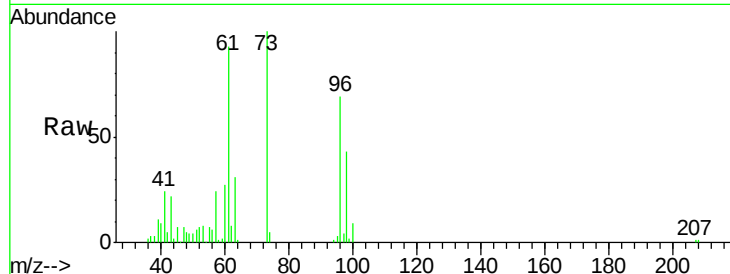
61 135.7 106.6 160.0

98 62.5 51.0 76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.551 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Tgt Ion: 45 Resp: 206631

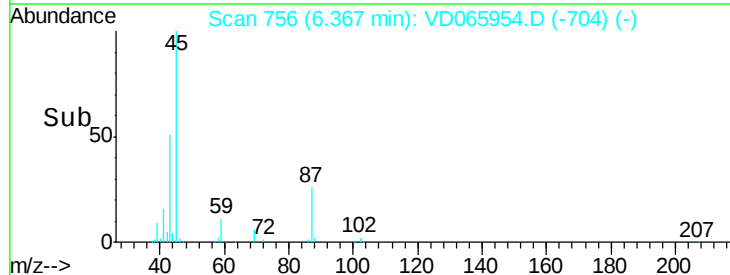
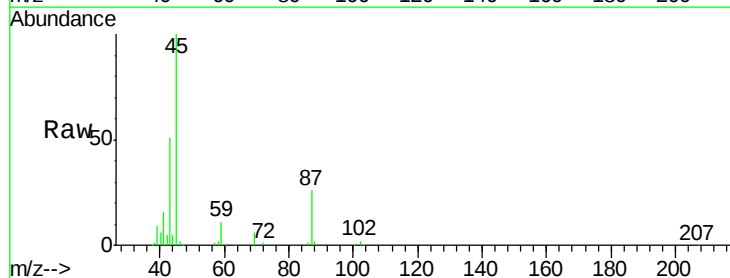
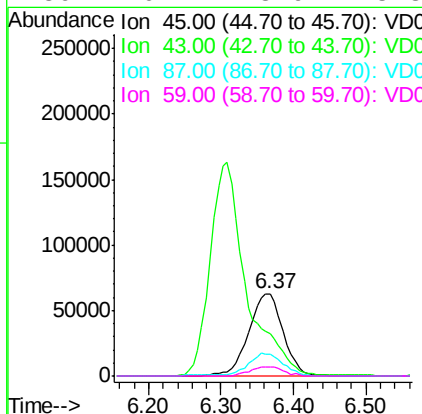
Ion Ratio Lower Upper

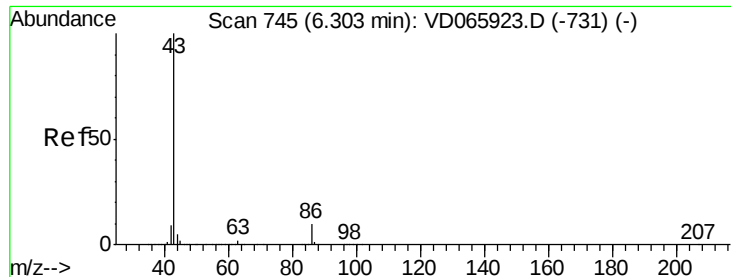
45 100

43 50.0 42.5 63.7

87 25.8 22.2 33.2

59 10.4 8.9 13.3





#23

Vinyl Acetate

Concen: 88.930 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

Tot Ion: 43 Resp: 565393

Ion Ratio Lower Upper

43 100

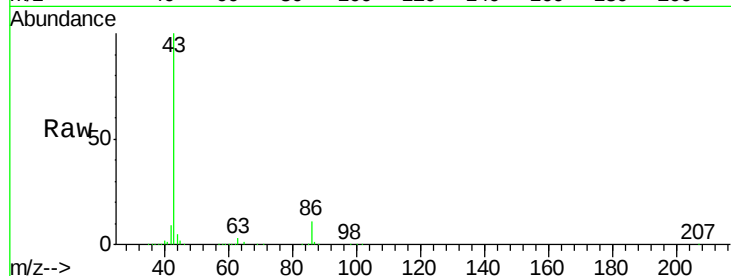
86 10.6 8.1 12.1

Manual Integrations

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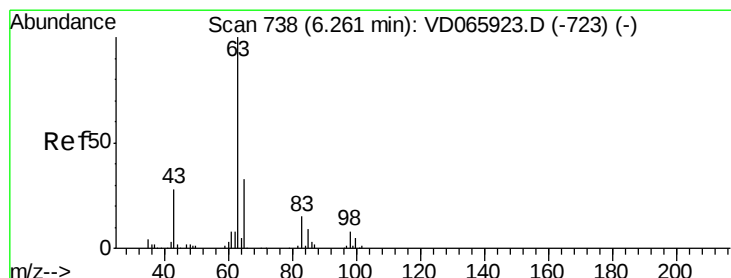
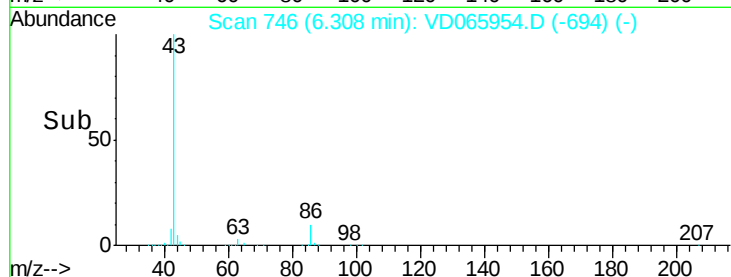
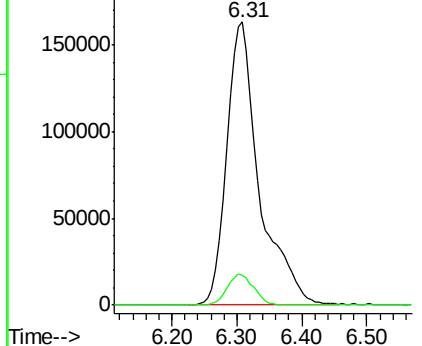
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.818 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

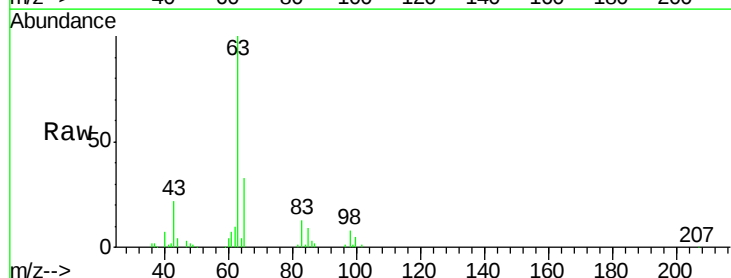
Tgt Ion: 63 Resp: 124980

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.4

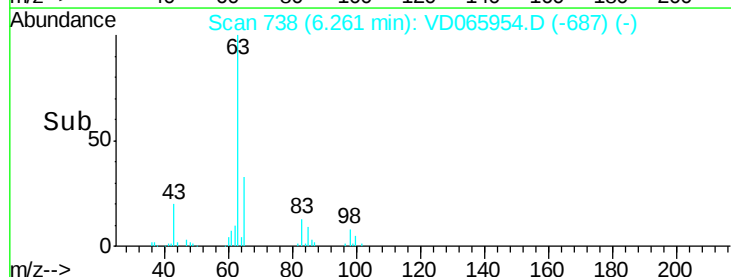
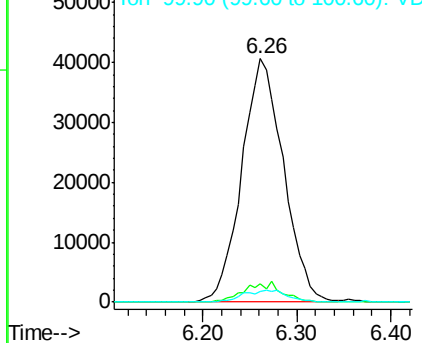
100 4.6 2.5 7.5

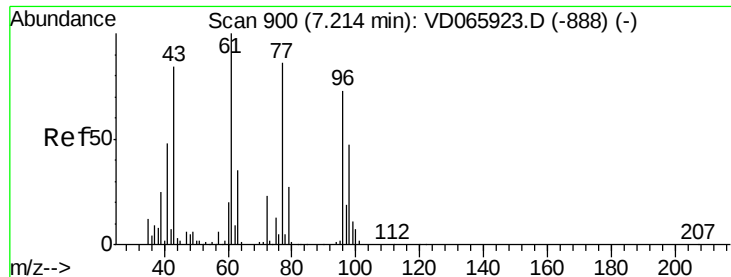


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 88.404 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBSD01

Tot Ion: 43 Resp: 87558

Ion Ratio Lower Upper

43 100

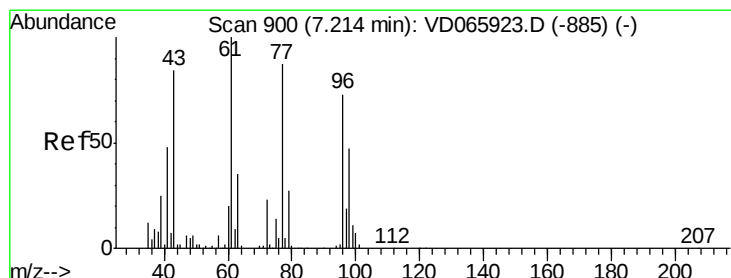
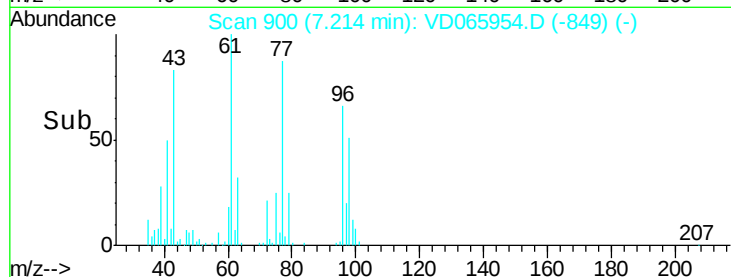
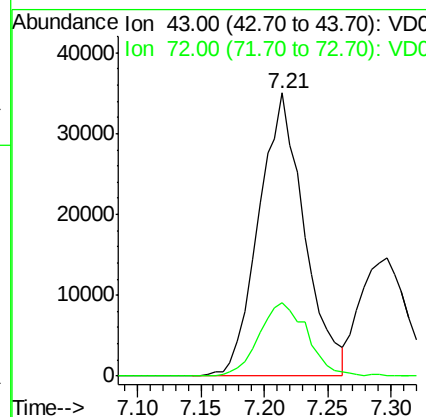
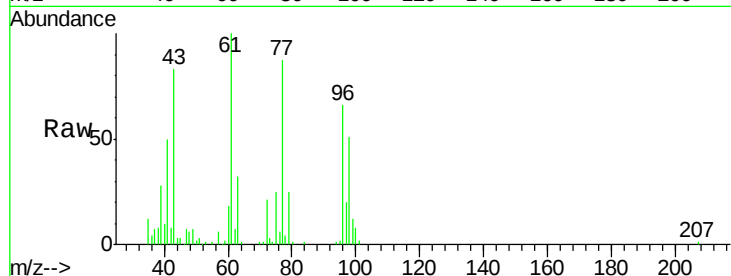
72 26.0 22.1 33.1

Manual Integrations

APPROVED

MMDadoda

7/17/2020 4:43:40 PM



#26

2,2-Dichloropropane

Concen: 19.700 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065954.D

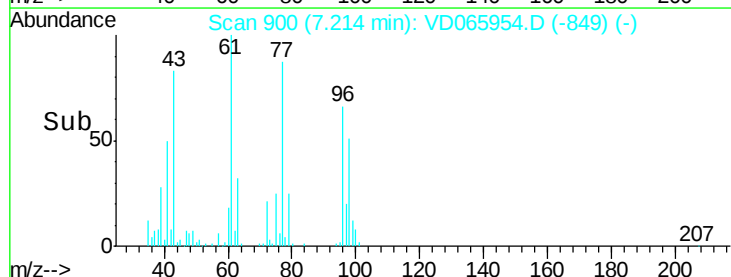
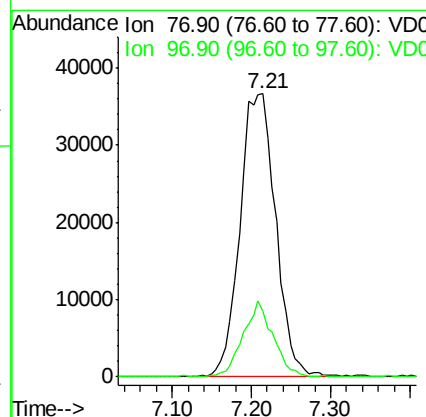
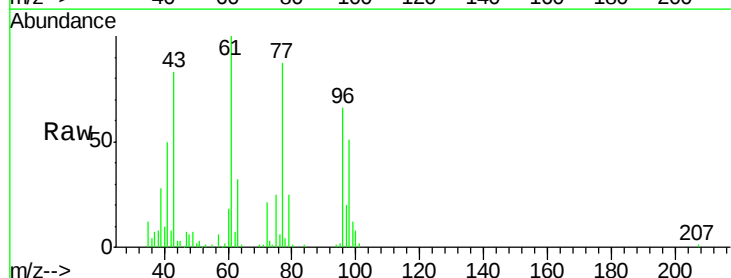
Acq: 16 Jul 2020 13:45

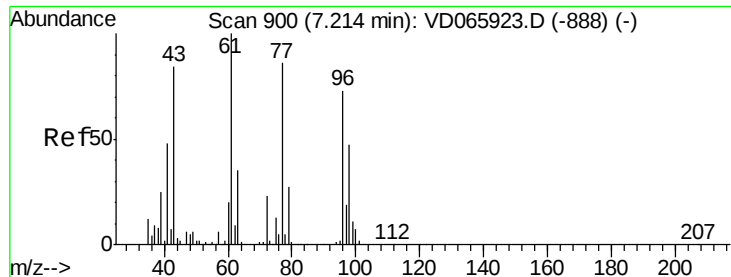
Tgt Ion: 77 Resp: 114461

Ion Ratio Lower Upper

77 100

97 22.5 11.6 34.8





#27

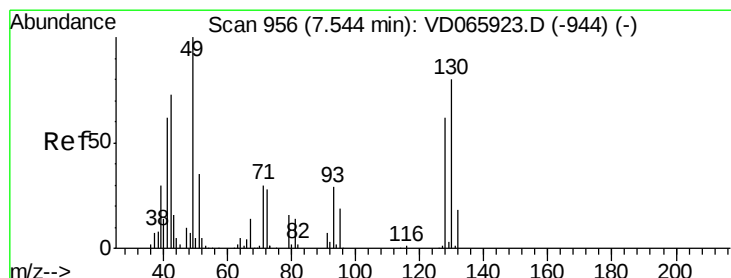
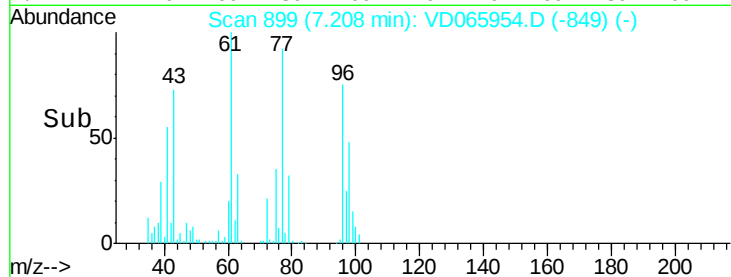
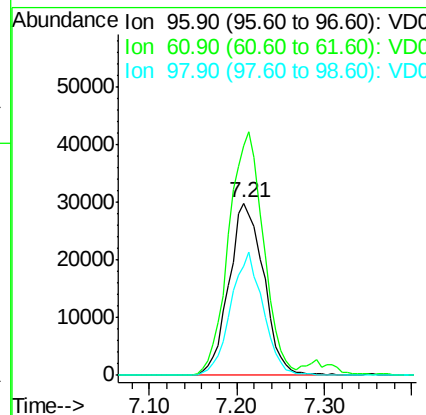
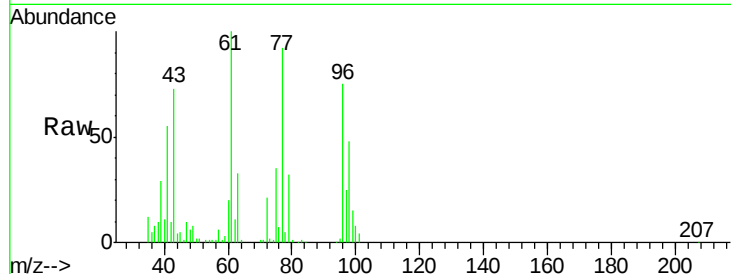
cis-1,2-Dichloroethene
Concen: 19.106 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	286.6
98	66.4	0.0	128.2

Manual Integrations
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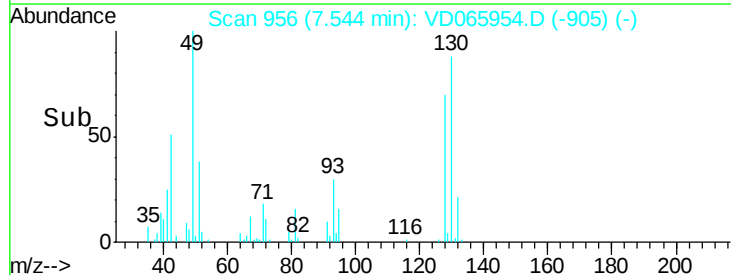
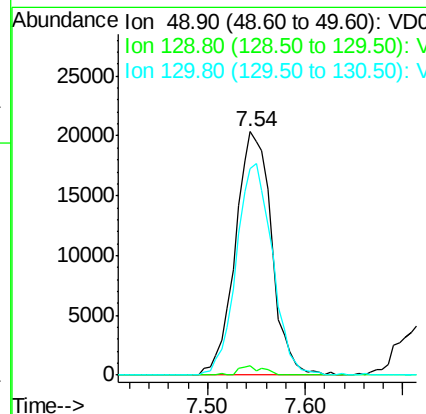
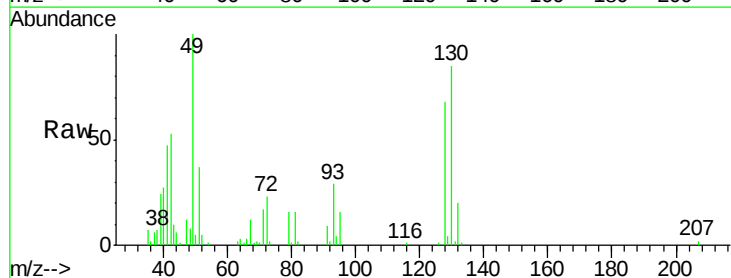
MMDadoda
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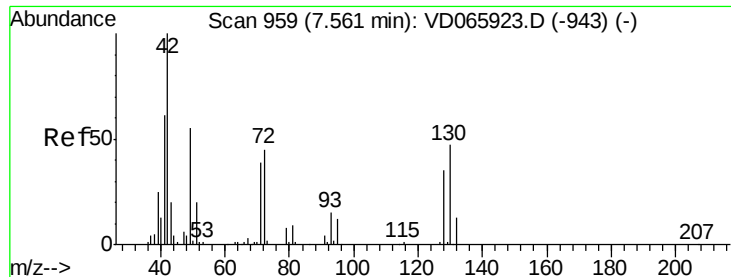


#28

Bromochloromethane
Concen: 20.981 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	86.6	65.8	98.8





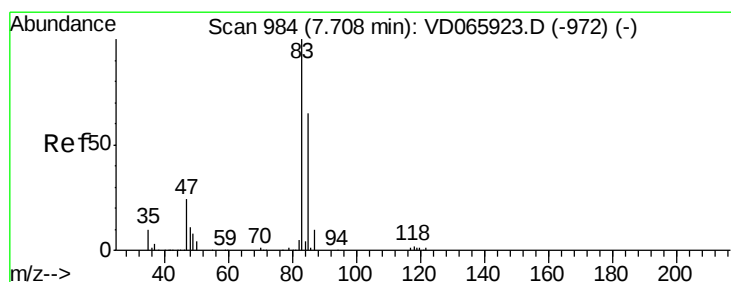
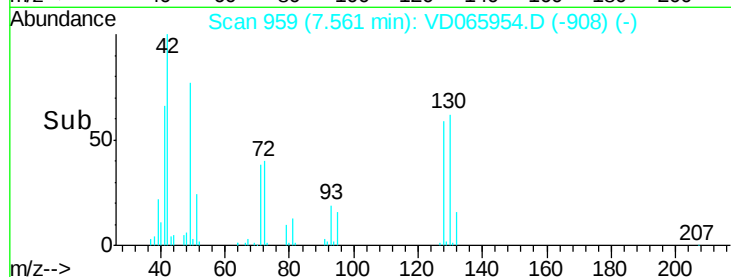
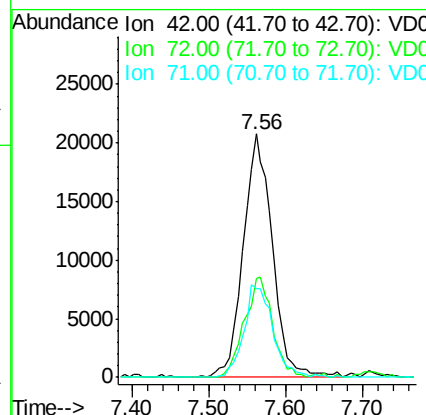
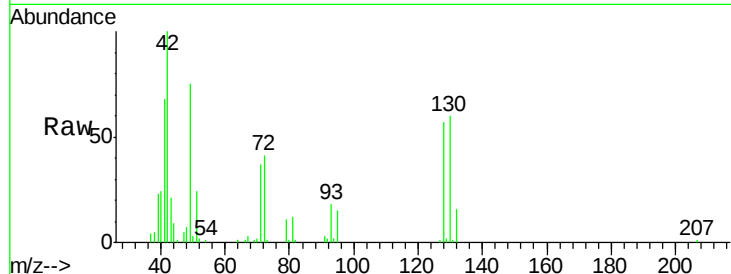
#29
Tetrahydrofuran
Concen: 87.427 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.8	49.2
71	37.1	31.0	46.4

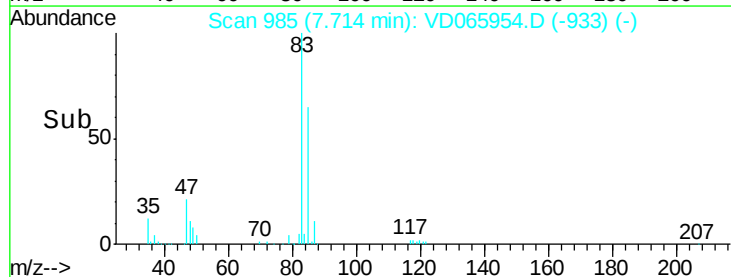
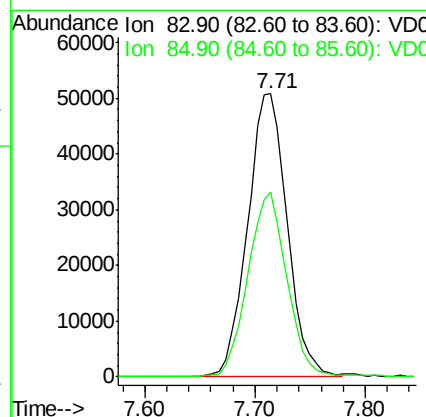
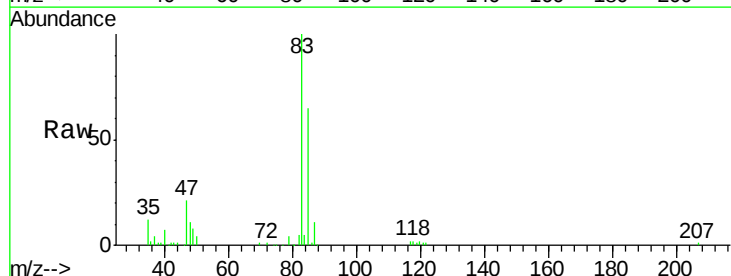
Manual Integrations
APPROVED

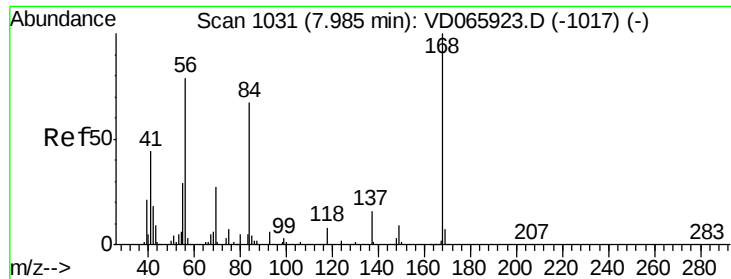
MMDadoda
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#30
Chloroform
Concen: 18.990 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.6	77.4





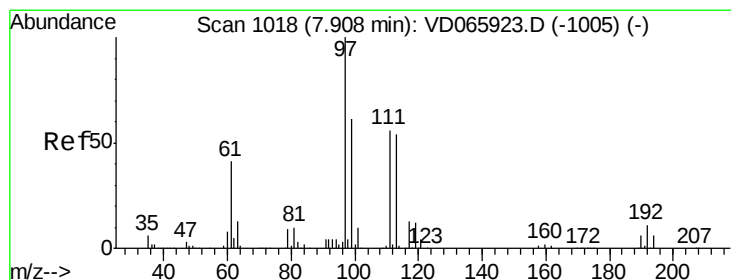
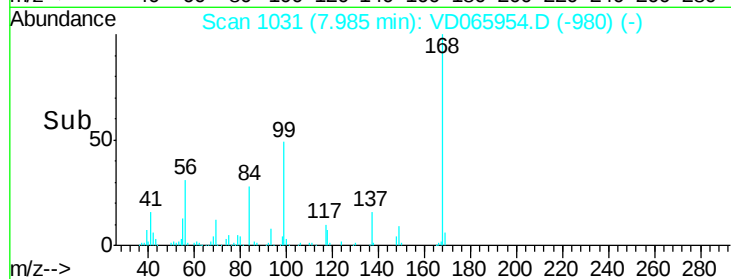
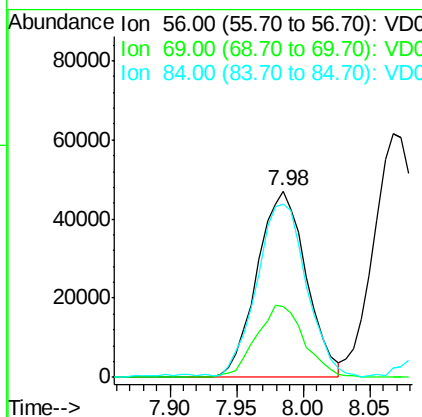
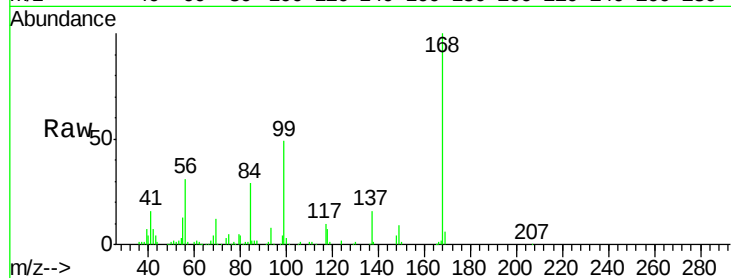
#31
Cyclohexane
Concen: 18.399 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	27.4	41.0
84	91.6	68.6	102.8

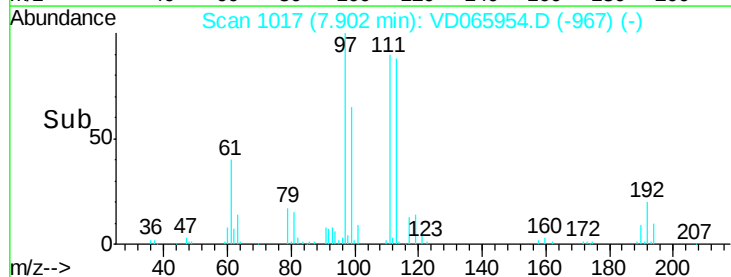
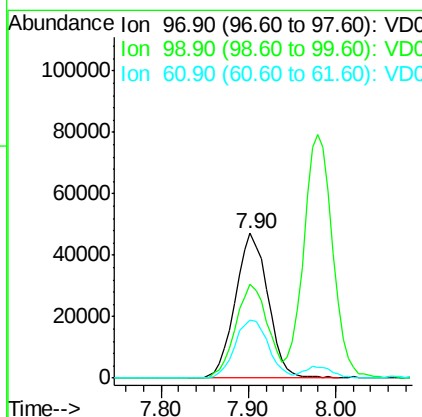
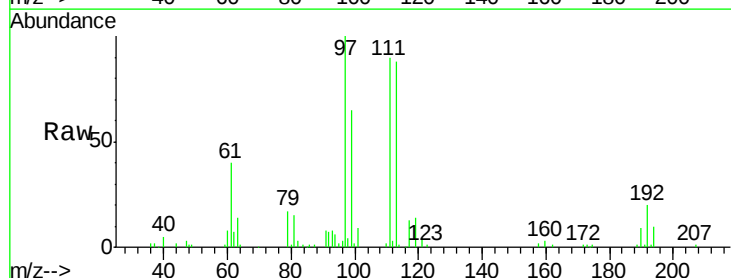
Manual Integrations
APPROVED

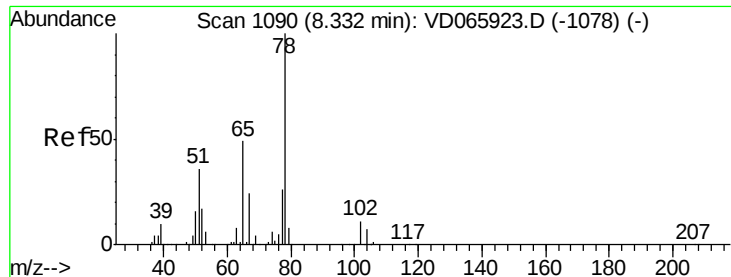
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.371 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	41.2	33.6	50.4





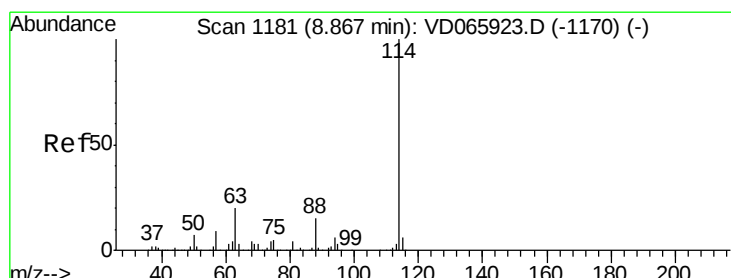
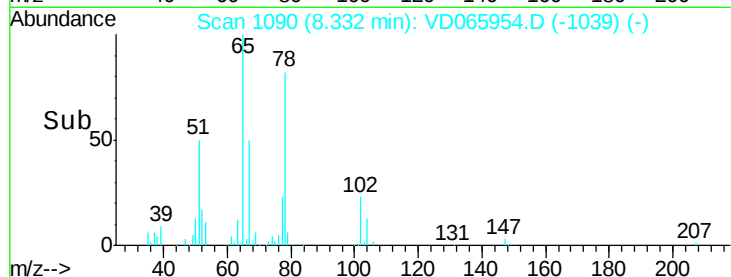
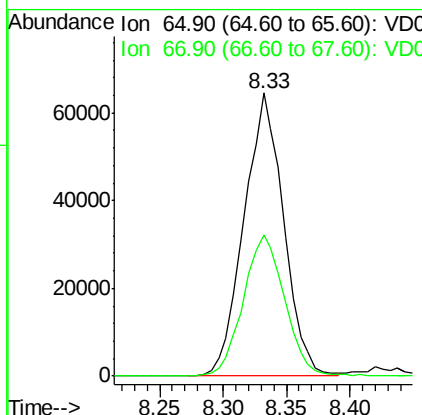
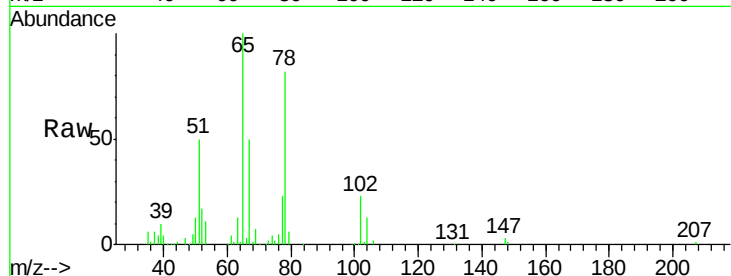
#33
 1,2-Dichloroethane-d4
 Concen: 43.901 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140404		
67	51.9	0.0	105.6	

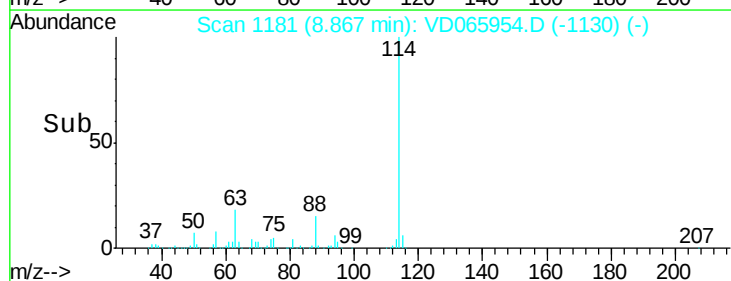
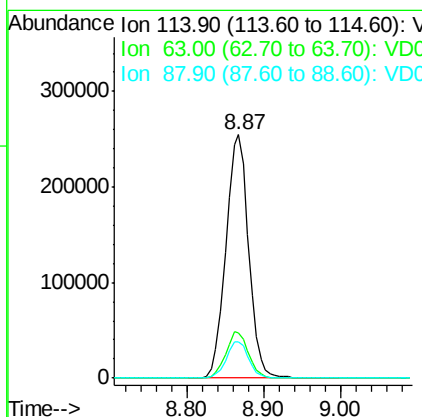
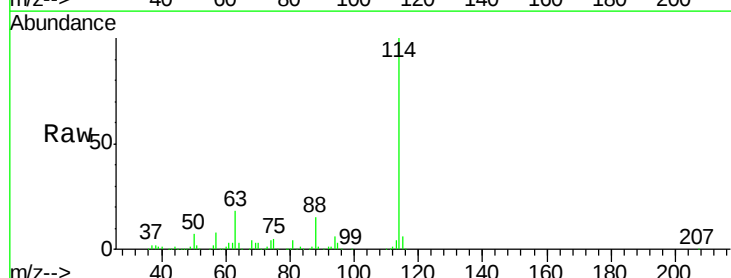
Manual Integrations
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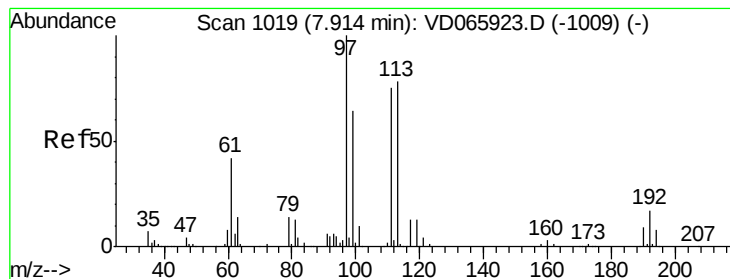
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	523797		
63	18.4	0.0	39.2	
88	14.8	0.0	30.0	





#35

Dibromofluoromethane

Concen: 48.146 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

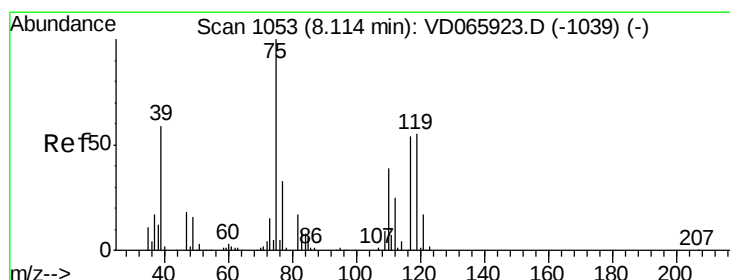
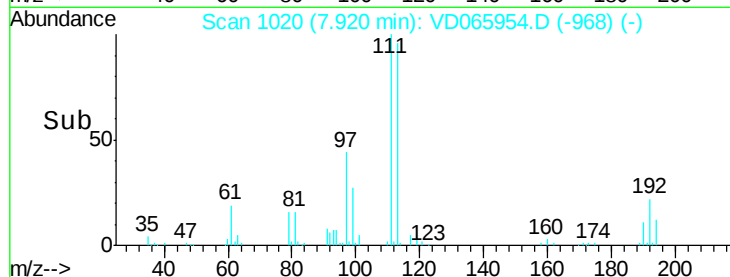
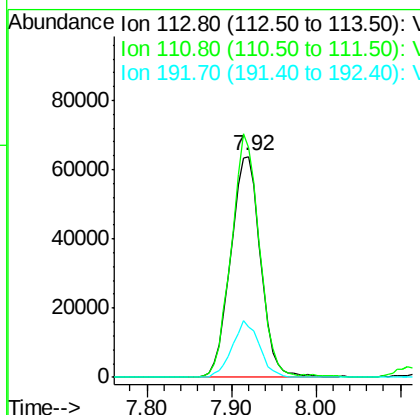
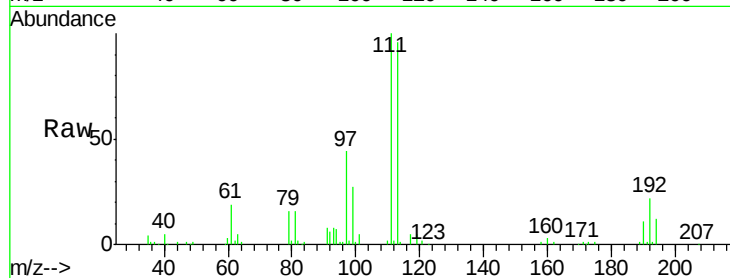
ClientSampleId :

VD0716SBS01

Tot Ion:	113	Resp:	155570
Ion Ratio	Lower	Upper	
113	100		
111	104.0	80.9	121.3
192	23.3	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.978 ug/l

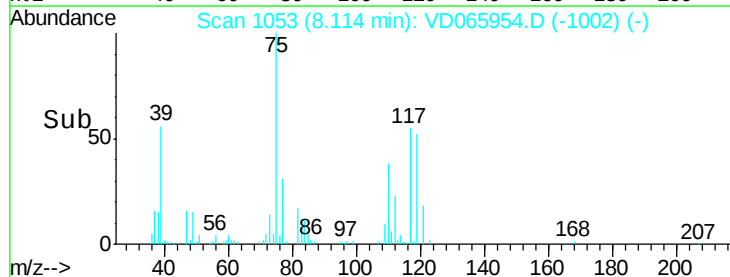
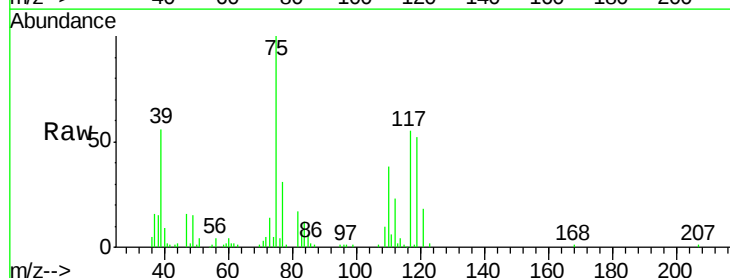
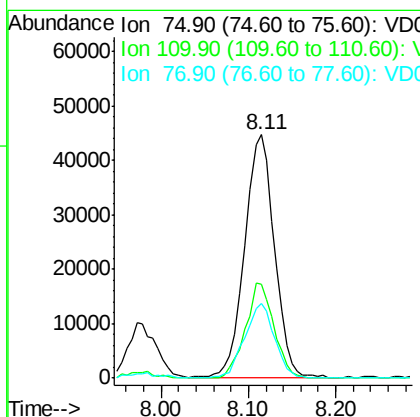
RT: 8.11 min Scan# 1053

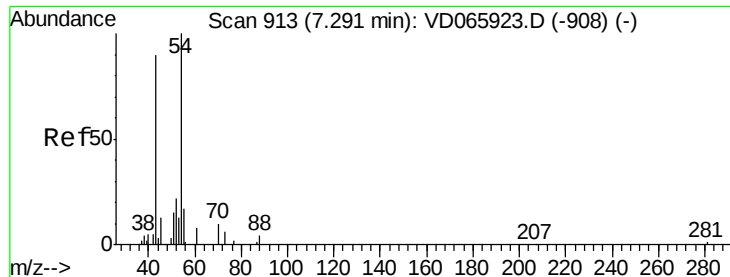
Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Tgt Ion:	75	Resp:	103350
Ion Ratio	Lower	Upper	
75	100		
110	37.2	18.5	55.5
77	30.7	25.6	38.4





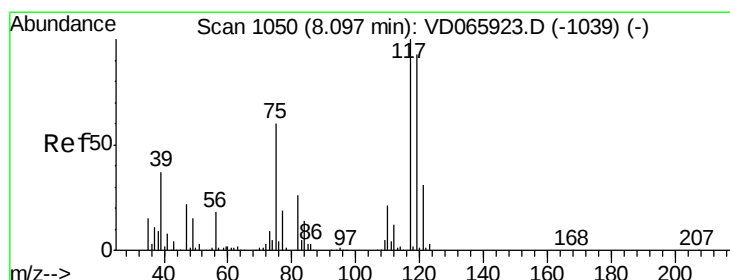
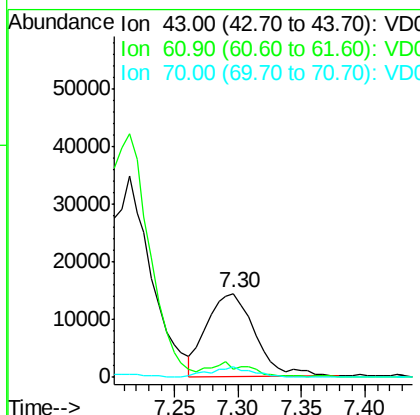
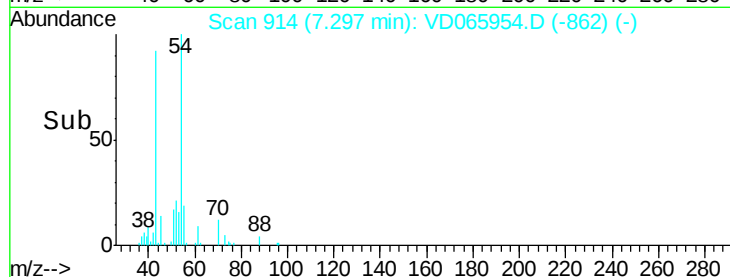
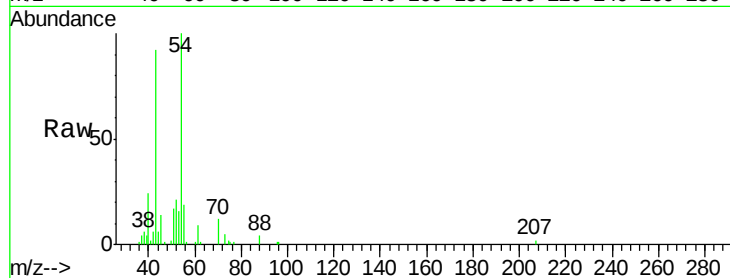
#37
Ethyl Acetate
Concen: 17.462 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	9.4	14.0#
70	10.7	8.3	12.5

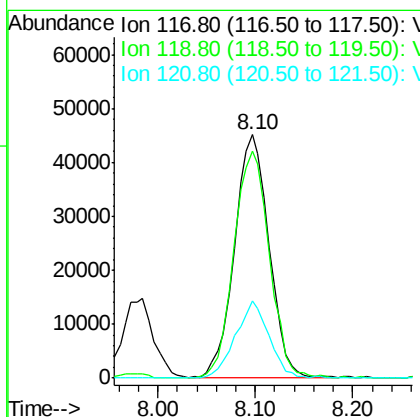
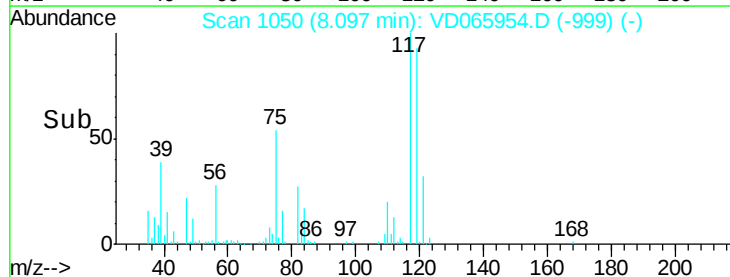
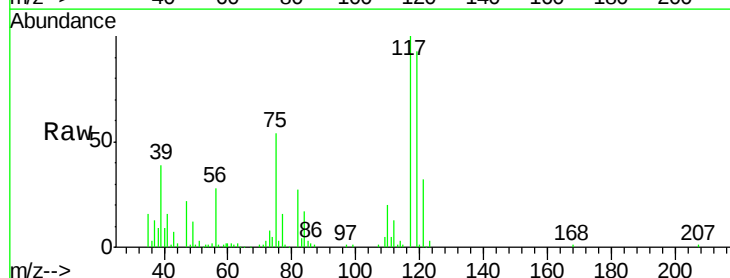
Manual Integrations
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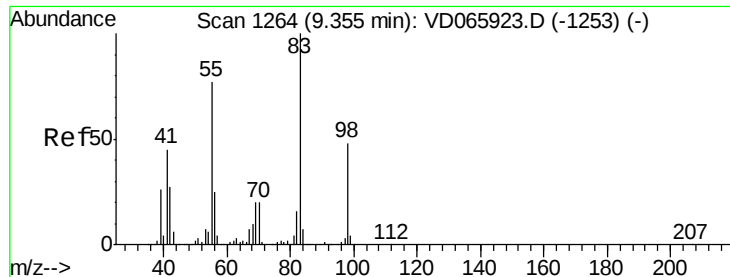
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#38
Carbon Tetrachloride
Concen: 20.143 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.7	112.1
121	31.6	24.9	37.3





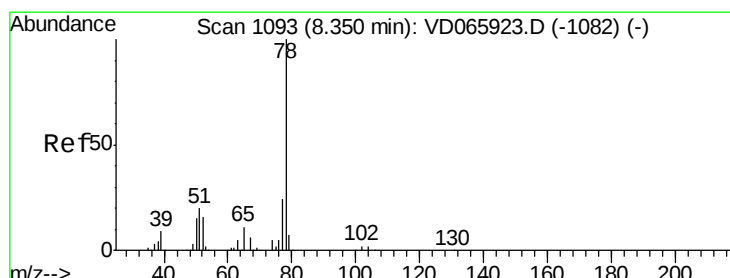
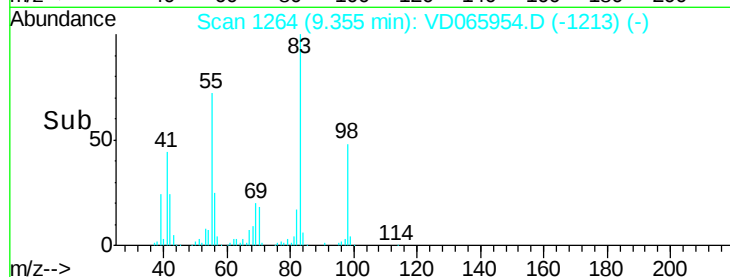
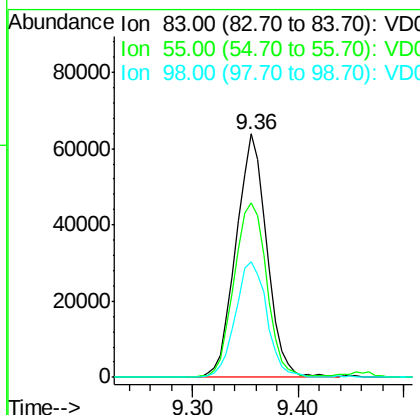
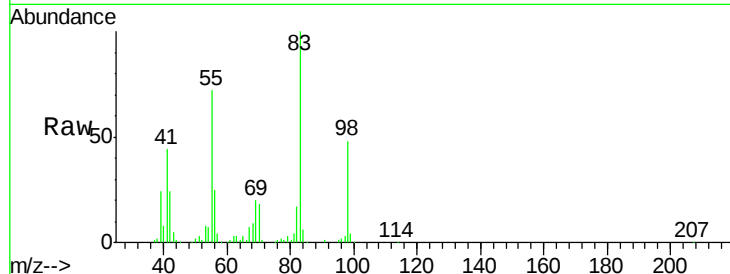
#39
Methvlcvclohexane
Concen: 20.331 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.5	61.7	92.5
98	47.6	38.6	58.0

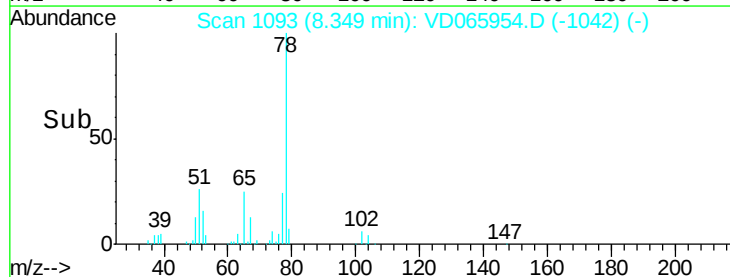
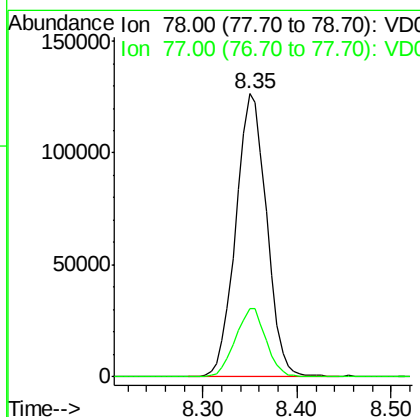
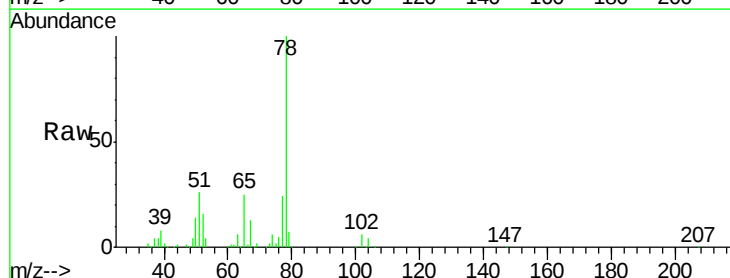
Manual Integrations
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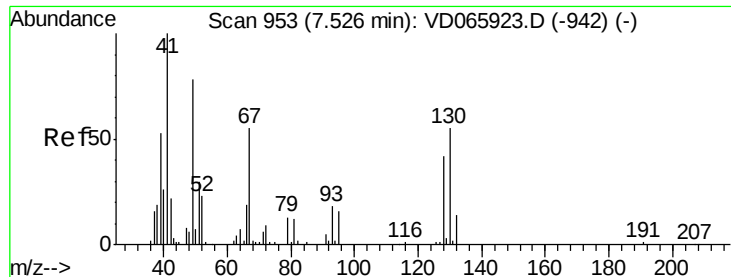
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#40
Benzene
Concen: 20.182 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





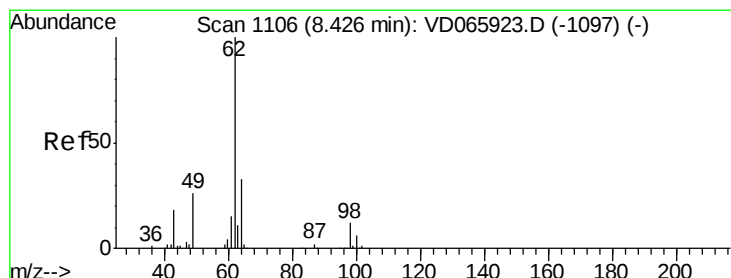
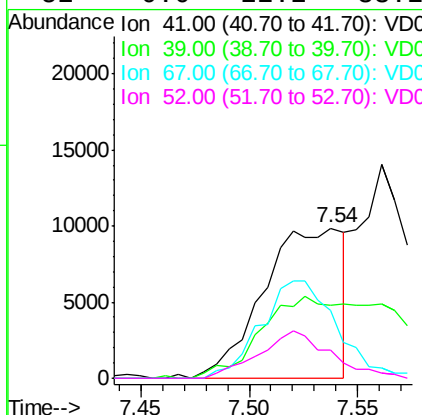
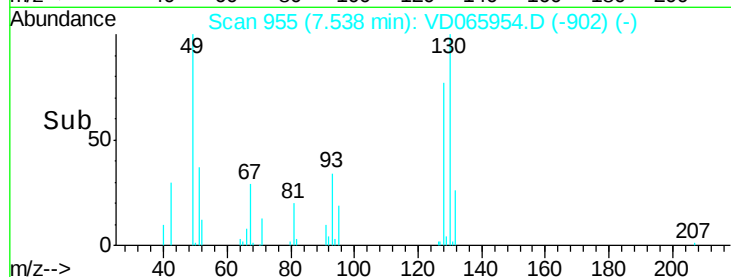
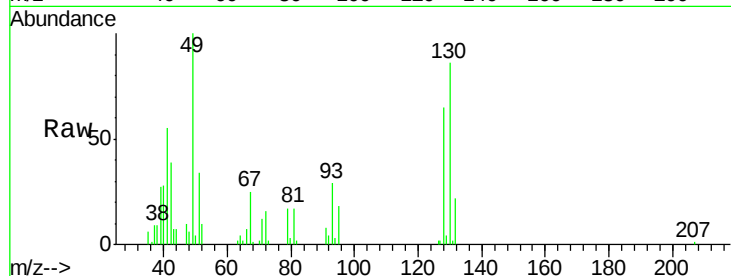
#41
Methacrylonitrile
Concen: 20.440 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.4	63.6#
67	0.0	53.6	80.4#
52	0.0	22.2	33.2#

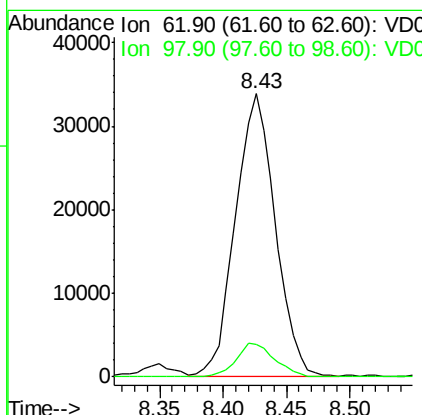
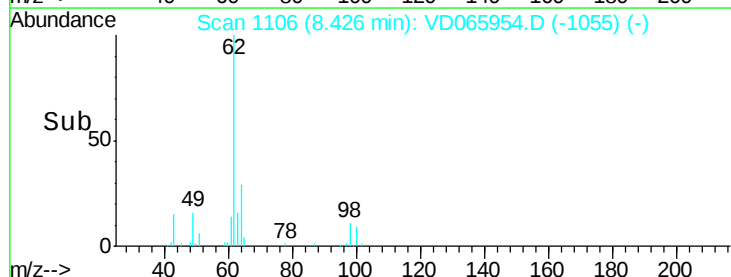
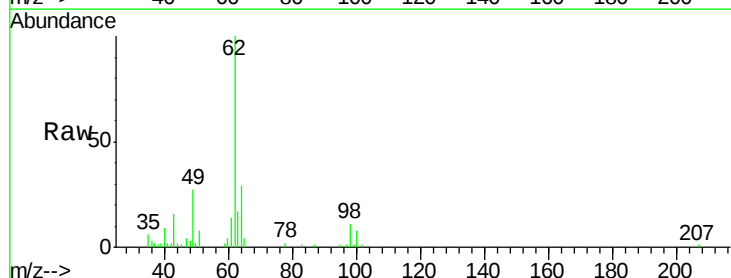
Manual Integrations
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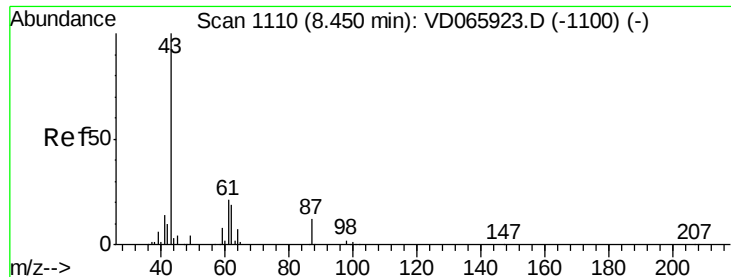
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#42
1,2-Dichloroethane
Concen: 18.338 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	20.0





#43

Isopropyl Acetate

Concen: 17.668 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

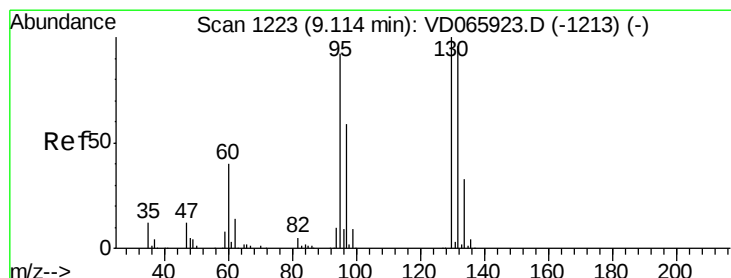
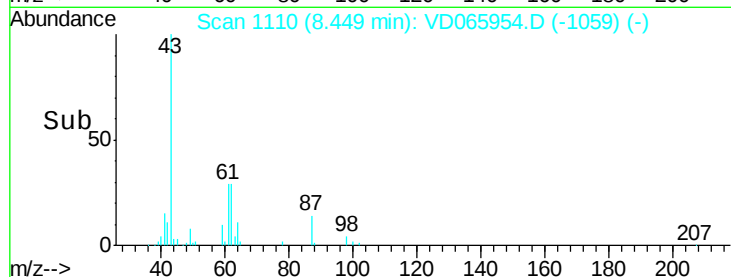
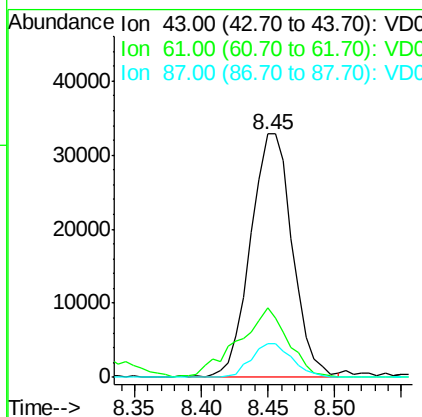
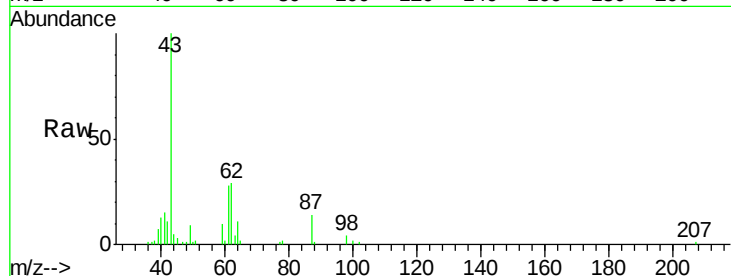
ClientSampleId :

VD0716SBS01

Tot Ion:	43	Resp:	71284
Ion	Ratio	Lower	Upper
43	100		
61	34.1	23.2	34.8
87	13.5	10.0	15.0

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#44

Trichloroethene

Concen: 20.460 ug/l

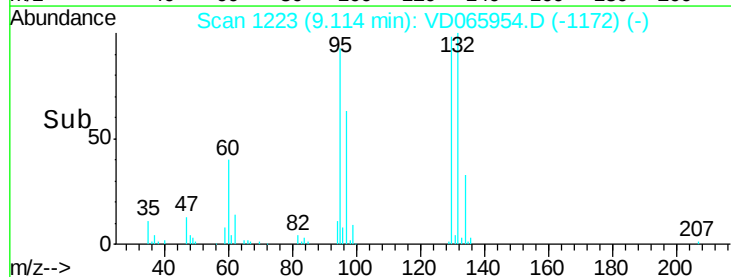
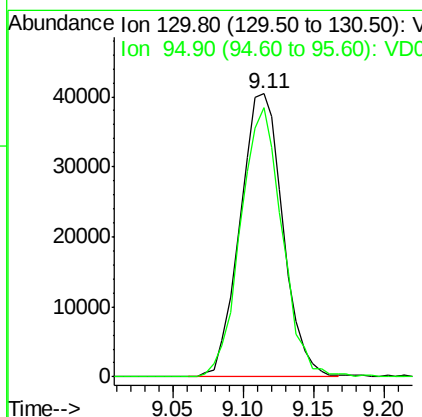
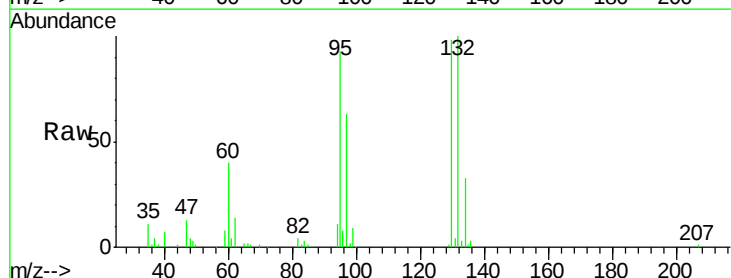
RT: 9.11 min Scan# 1223

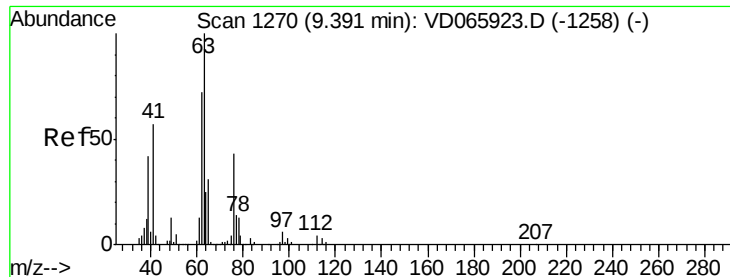
Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Tgt Ion:	130	Resp:	85914
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	184.6





#45

1,2-Dichloropropane

Concen: 18.921 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

Tot Ion: 63 Resp: 67115

Ion Ratio Lower Upper

63 100

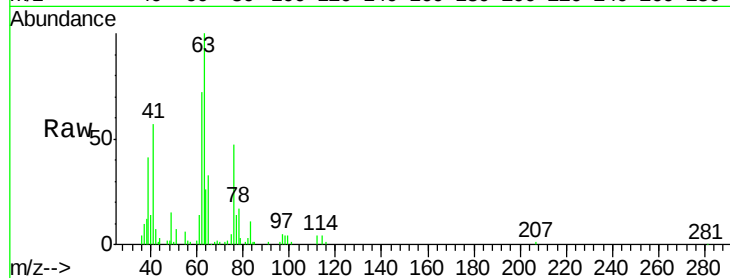
65 32.9 25.0 37.6

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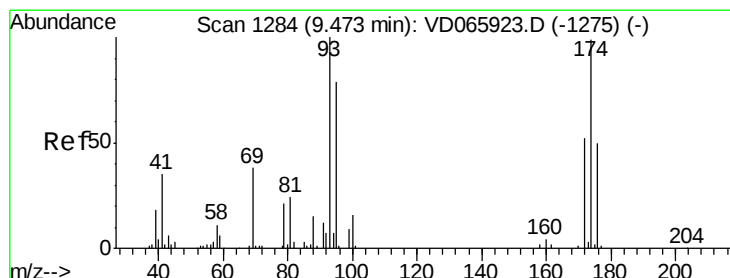
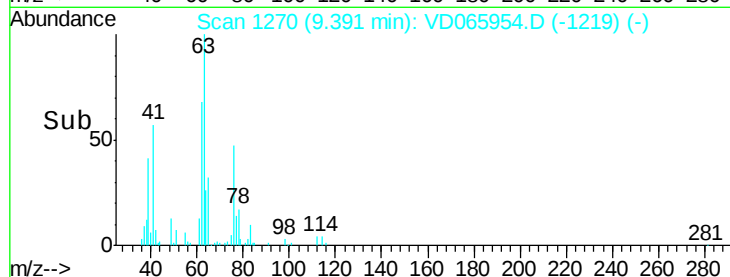
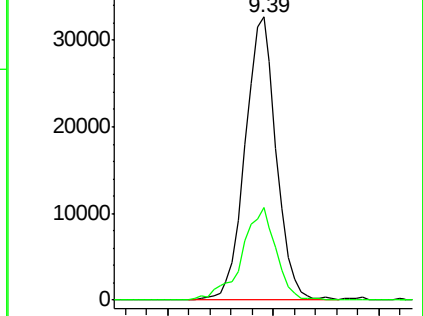
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.505 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

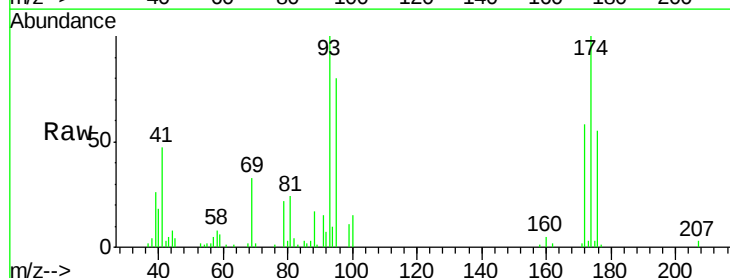
Tgt Ion: 93 Resp: 36021

Ion Ratio Lower Upper

93 100

95 83.2 68.2 102.2

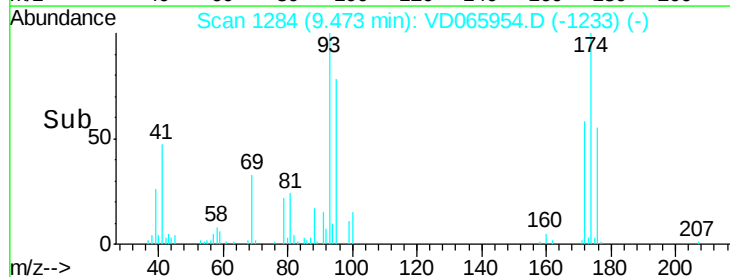
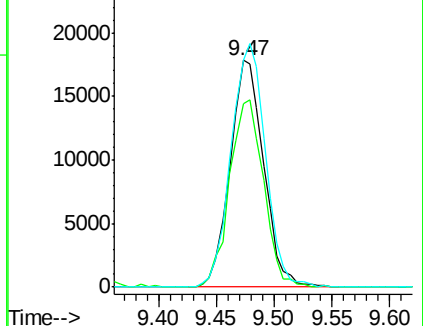
174 109.6 88.0 132.0

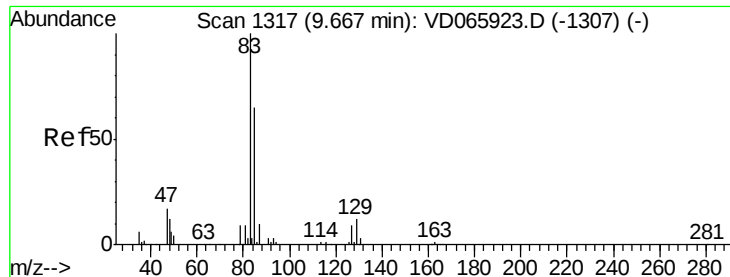


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.739 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

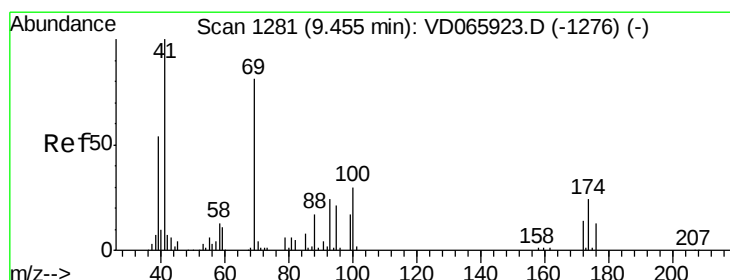
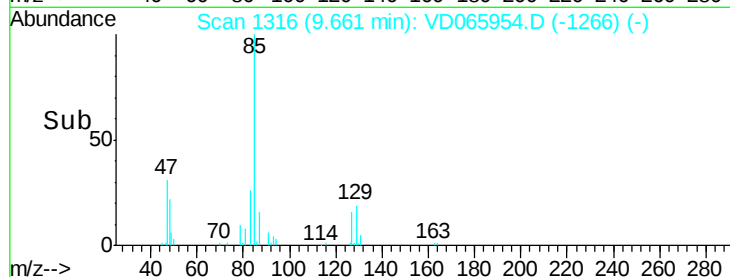
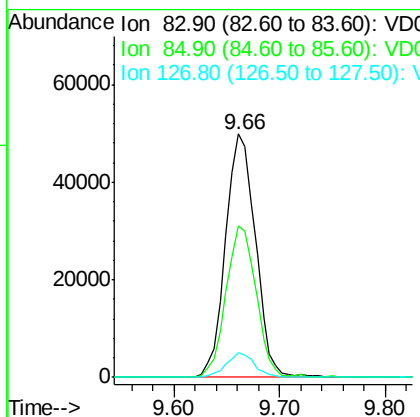
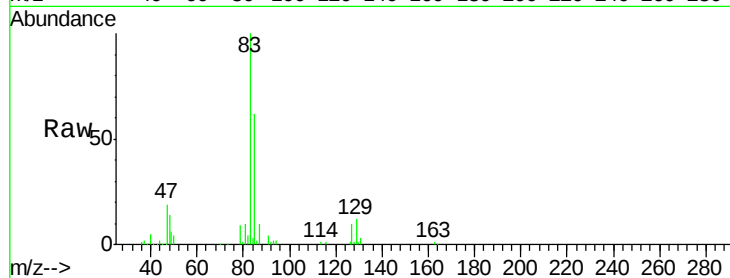
ClientSampleId :

VD0716SBSD01

Tot Ion:	83	Resp:	97784
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.6	77.4
127	10.0	7.2	10.8

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#48

Methyl methacrylate

Concen: 18.836 ug/l

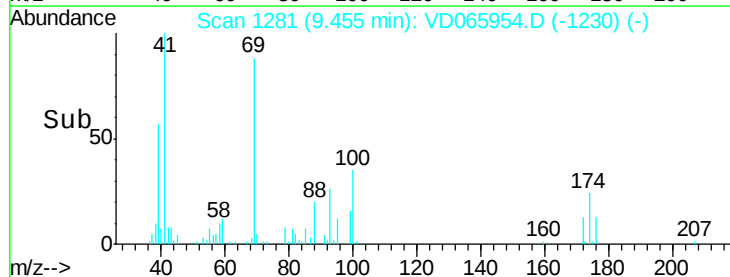
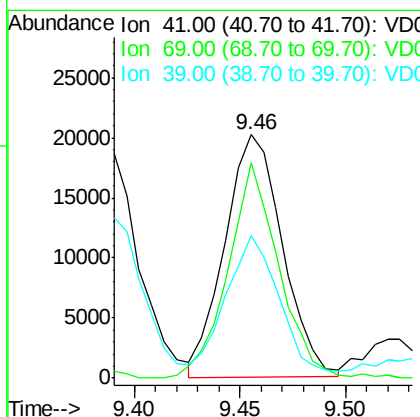
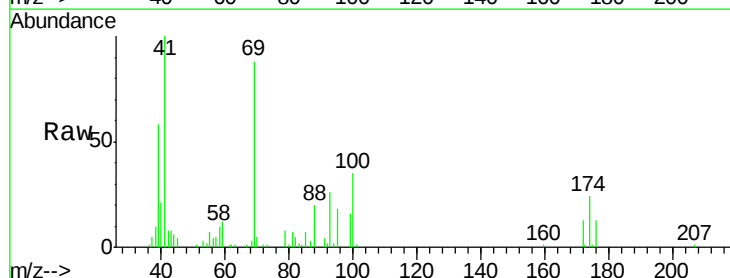
RT: 9.46 min Scan# 1281

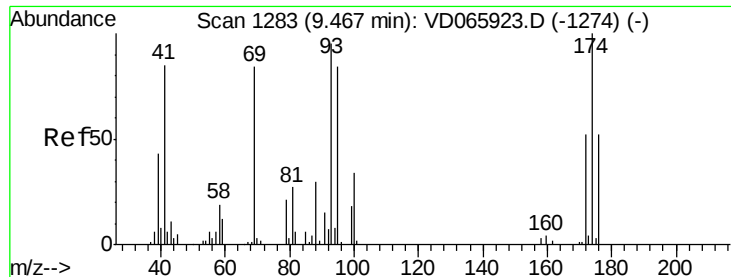
Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Tgt Ion:	41	Resp:	38259
Ion	Ratio	Lower	Upper
41	100		
69	77.6	62.2	93.4
39	49.6	39.9	59.9





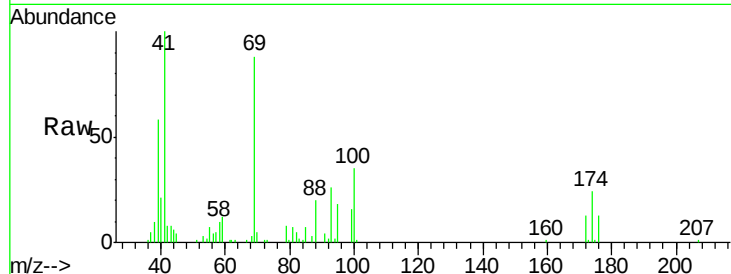
#49
1,4-Dioxane
Concen: 375.062 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBSD01

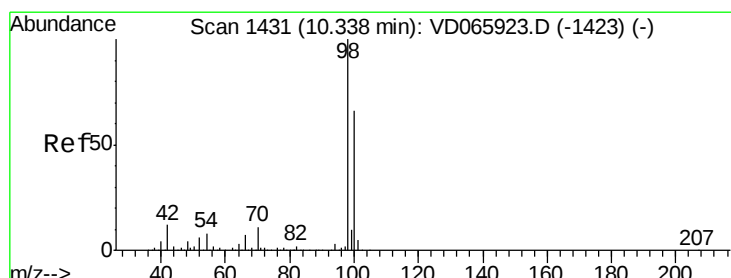
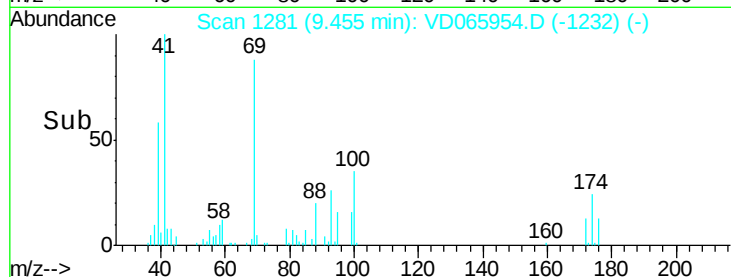
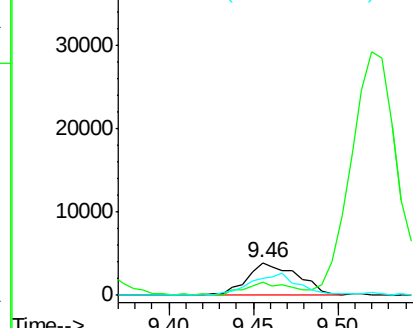
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	28.2	42.4
58	64.1	58.6	87.8

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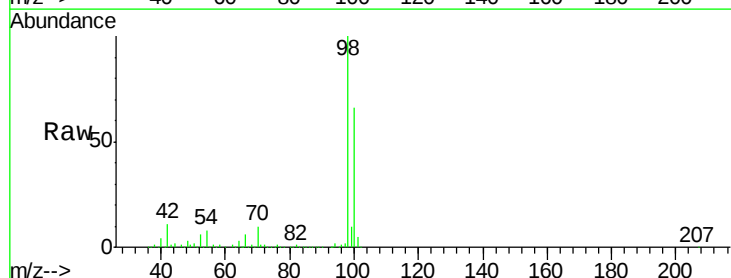


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

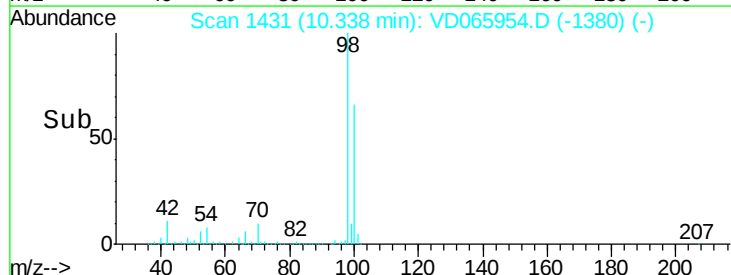
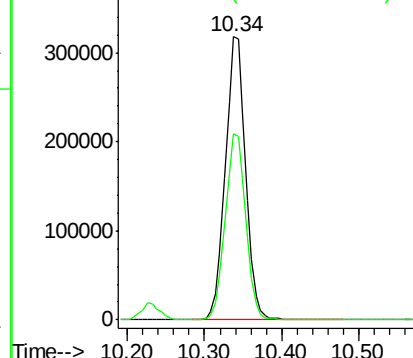


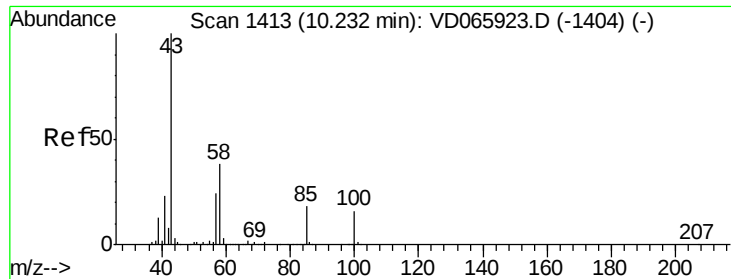
#50
Toluene-d8
Concen: 49.176 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.1	79.7



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





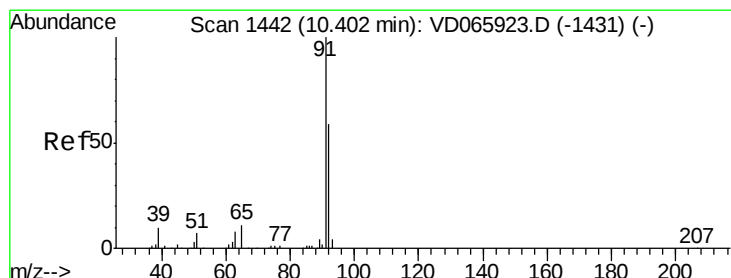
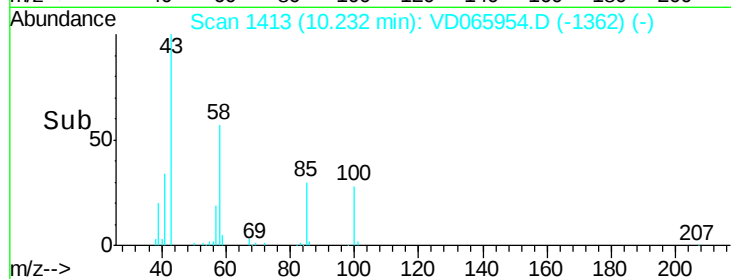
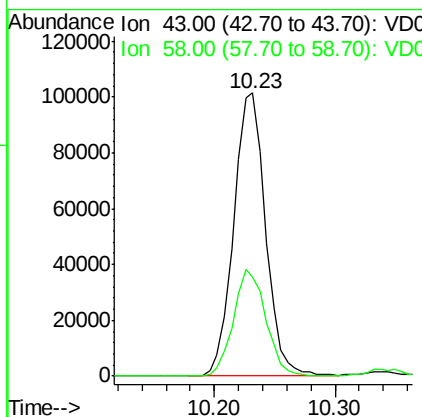
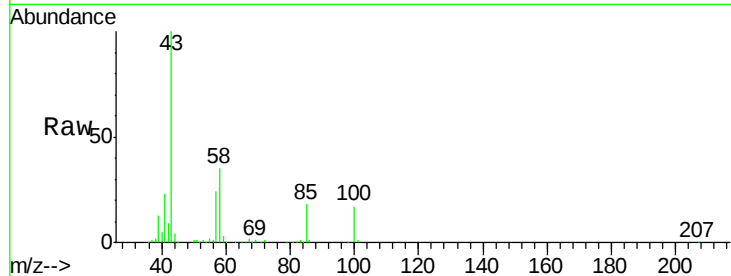
#51
4-Methyl-2-Pentanone
Concen: 91.758 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.5	45.7

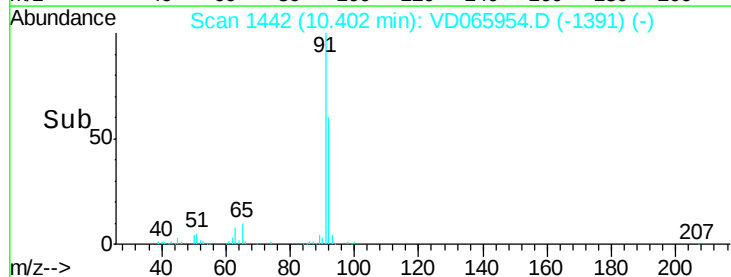
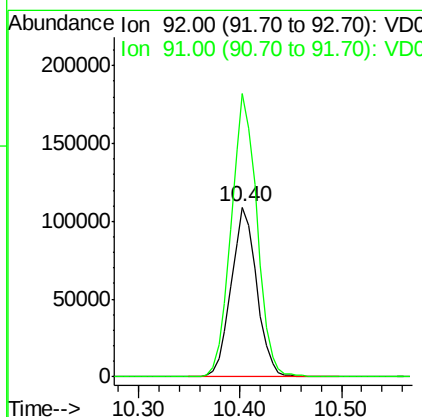
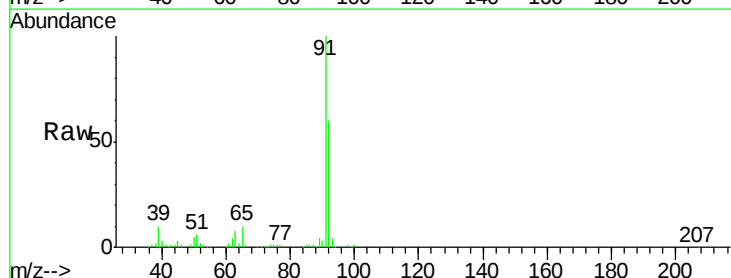
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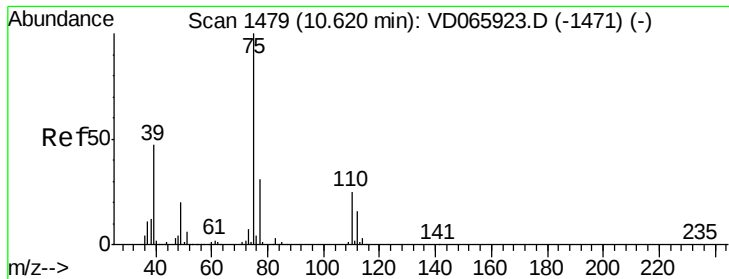
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#52
Toluene
Concen: 21.001 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.6	136.0	204.0





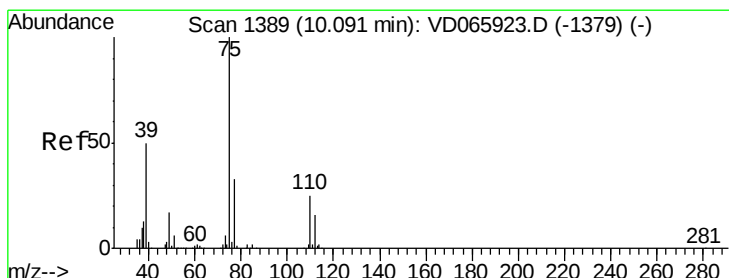
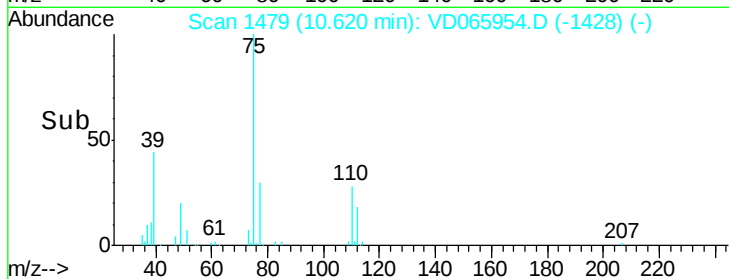
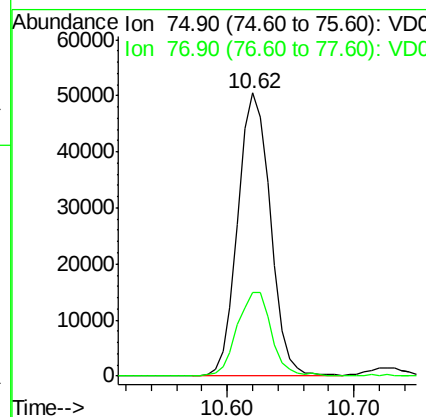
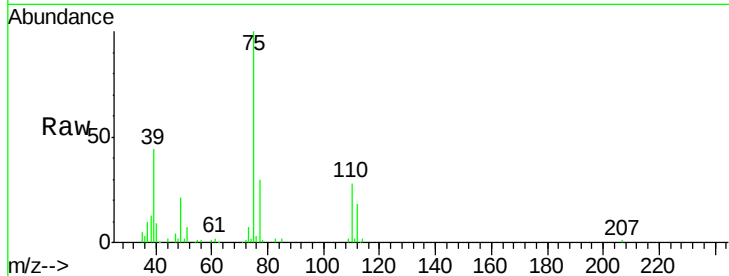
#53
 t-1,3-Dichloropropene
 Concen: 19.332 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.1	37.7

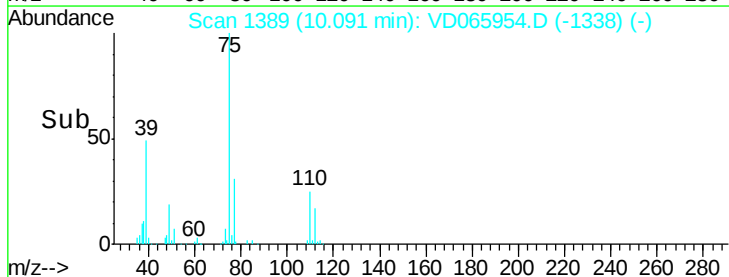
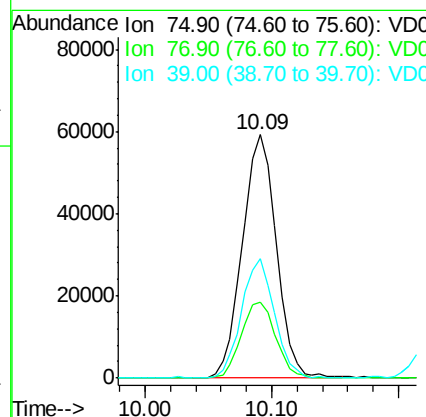
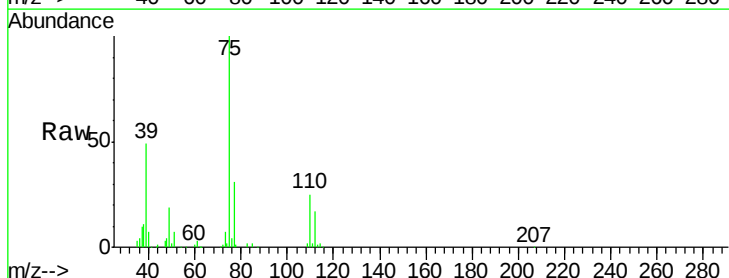
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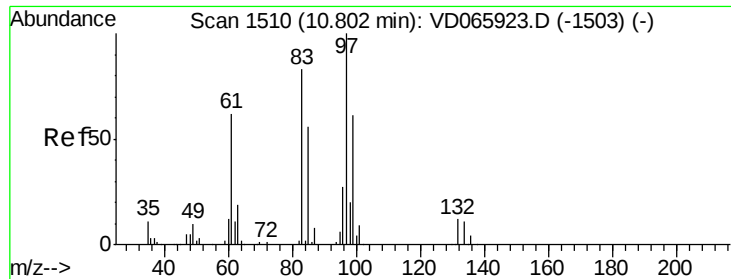
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#54
 cis-1,3-Dichloropropene
 Concen: 19.599 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.6	39.8
39	48.9	39.6	59.4





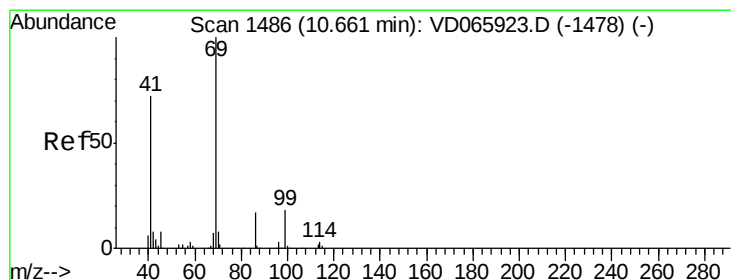
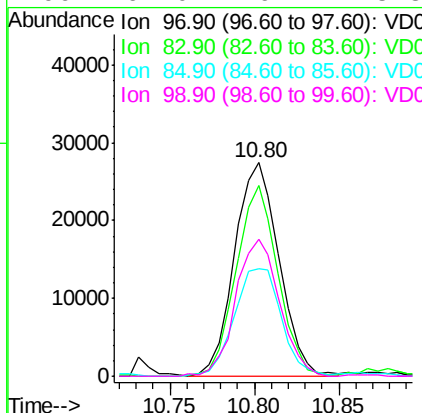
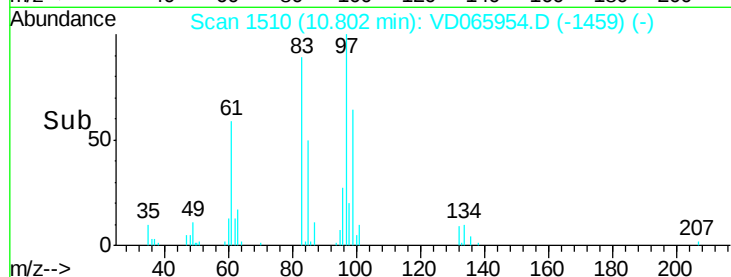
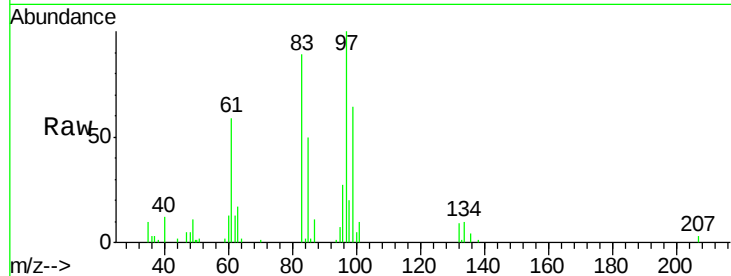
#55
 1,1,2-Trichloroethane
 Concen: 19.787 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion:	97	Resp:	50347
Ion	Ratio	Lower	Upper
97	100		
83	88.6	66.9	100.3
85	49.3	44.5	66.7
99	64.0	49.2	73.8

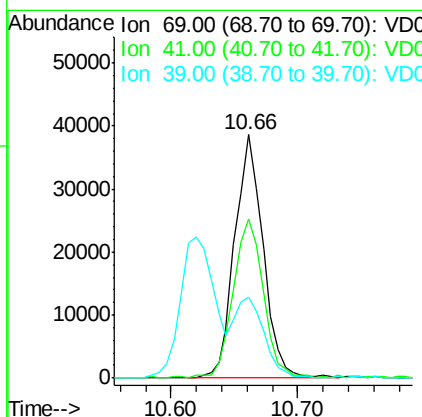
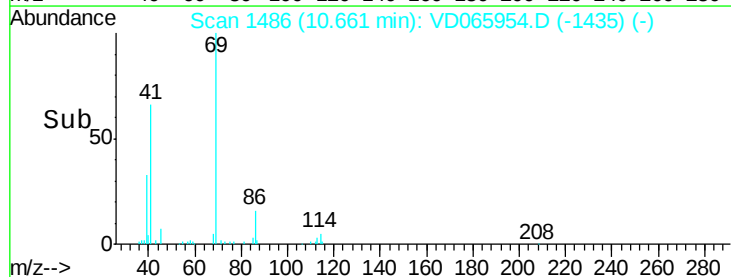
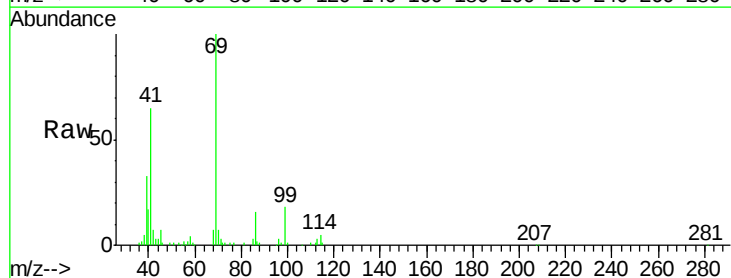
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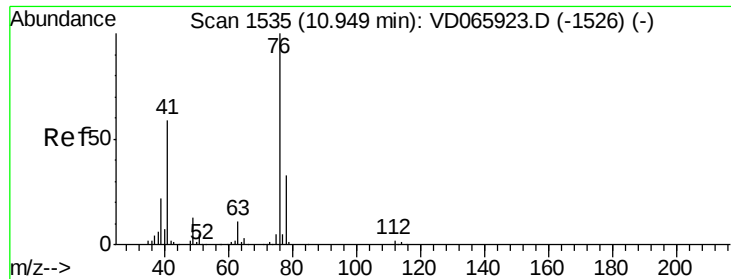
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#56
 Ethyl methacrylate
 Concen: 19.269 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Tgt Ion:	69	Resp:	59884
Ion	Ratio	Lower	Upper
69	100		
41	70.1	56.5	84.7
39	34.5	29.2	43.8





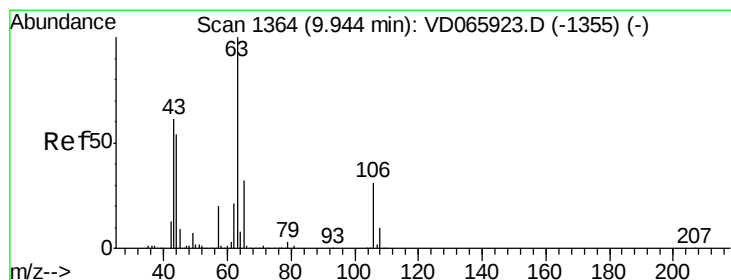
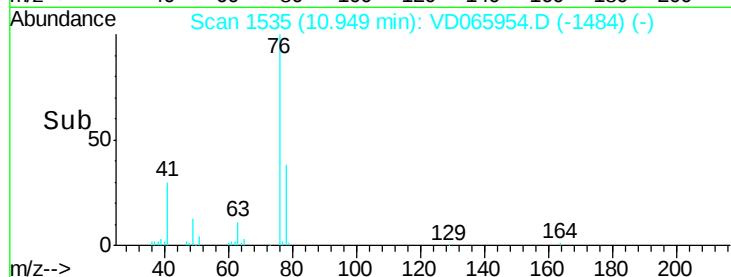
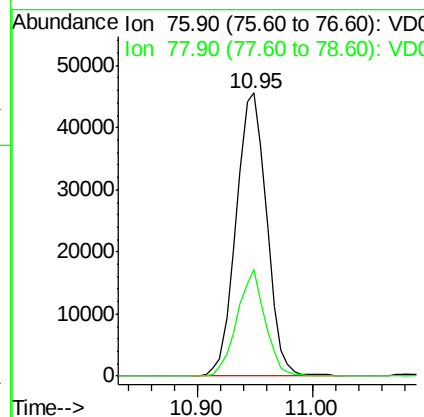
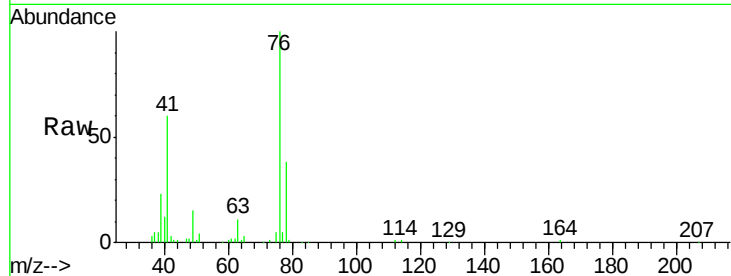
#57
 1,3-Dichloropropane
 Concen: 18.816 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion: 76 Resp: 83725
 Ion Ratio Lower Upper
 76 100
 78 34.5 25.8 38.6

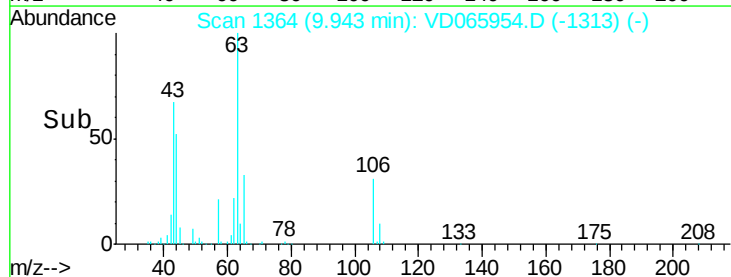
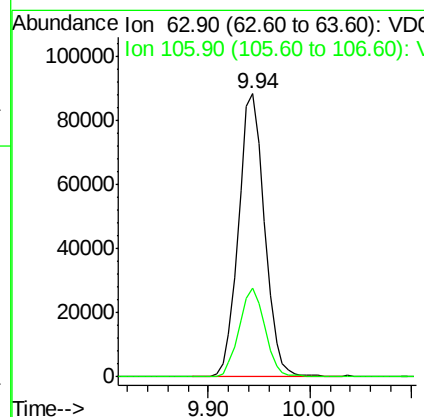
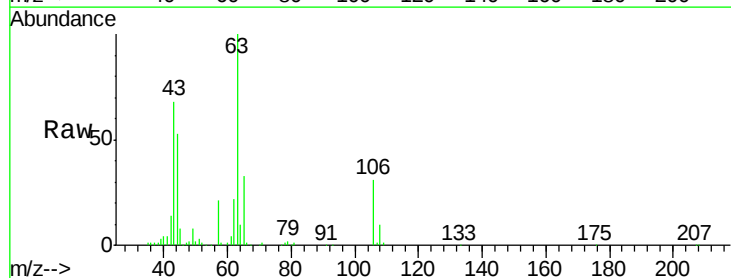
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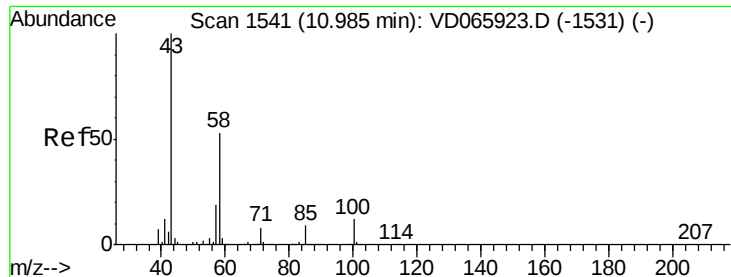
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#58
 2-Chloroethyl Vinyl ether
 Concen: 105.116 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Tgt Ion: 63 Resp: 158209
 Ion Ratio Lower Upper
 63 100
 106 30.9 23.8 35.6





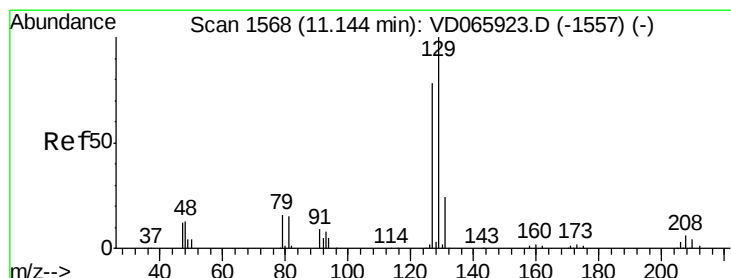
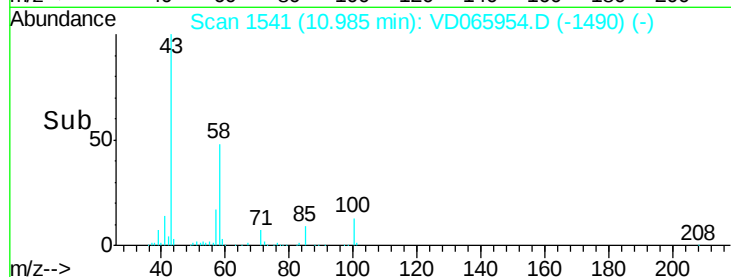
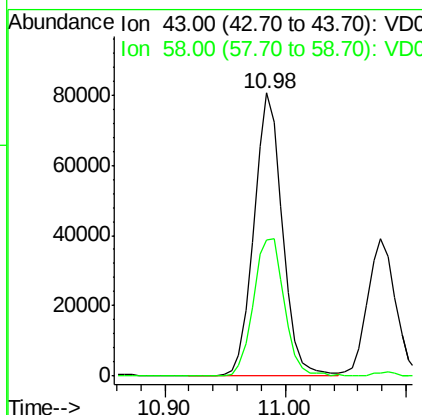
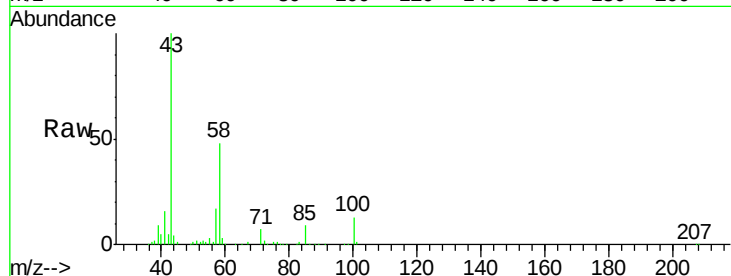
#59
2-Hexanone
Concen: 94.628 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion: 43 Resp: 132748
Ion Ratio Lower Upper
43 100
58 52.7 26.6 79.8

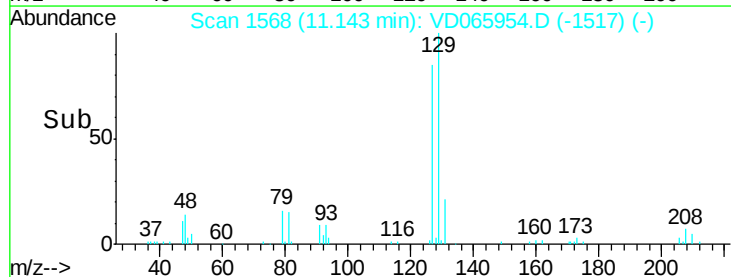
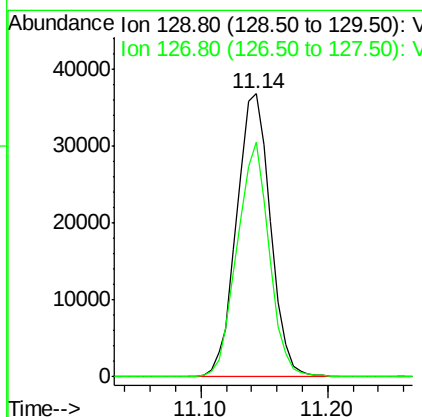
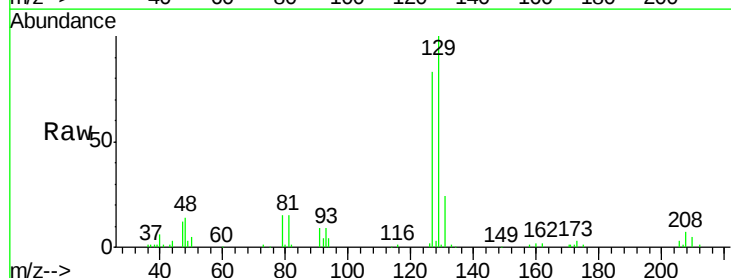
Manual Integrations
APPROVED

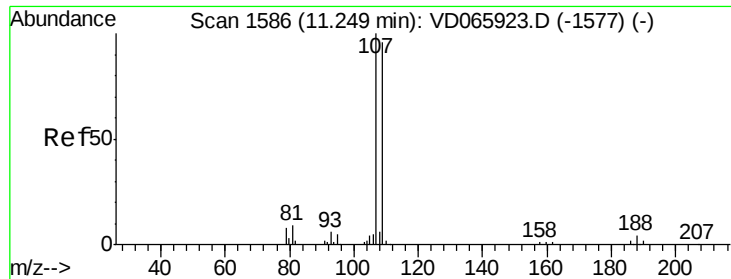
MMDadoda
7/17/2020 4:43:40 PM



#60
Dibromochloromethane
Concen: 19.670 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion: 129 Resp: 68378
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.4





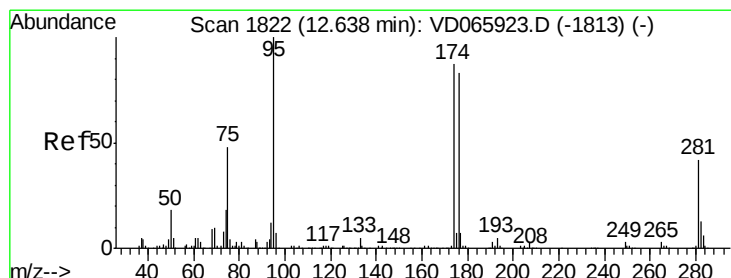
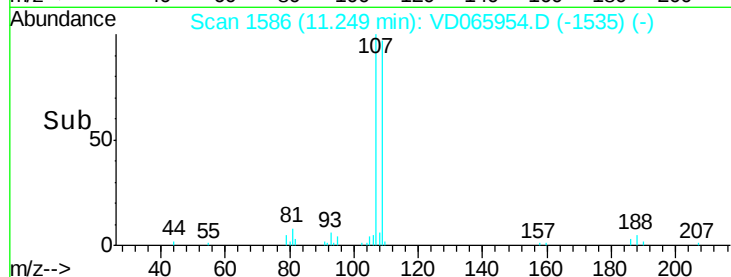
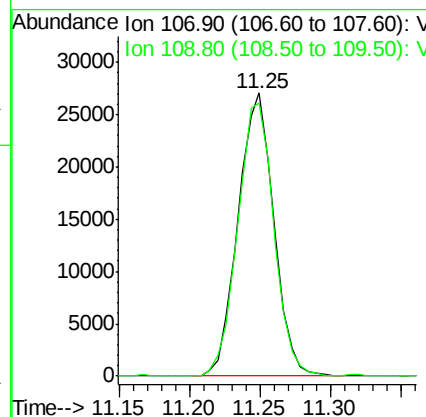
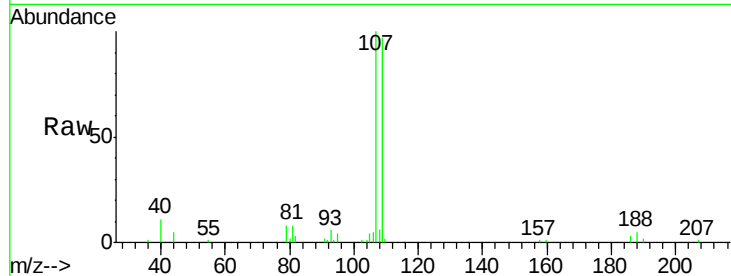
#61
 1,2-Dibromoethane
 Concen: 18.876 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion: 107 Resp: 47886
 Ion Ratio Lower Upper
 107 100
 109 97.9 75.4 113.0

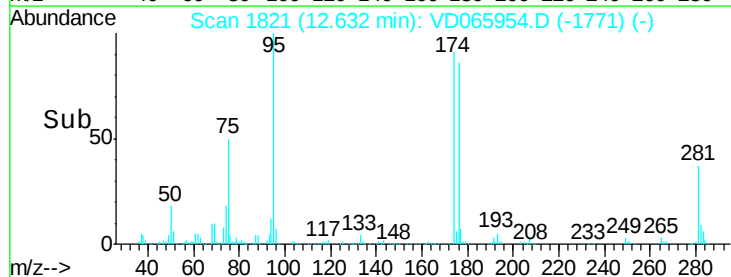
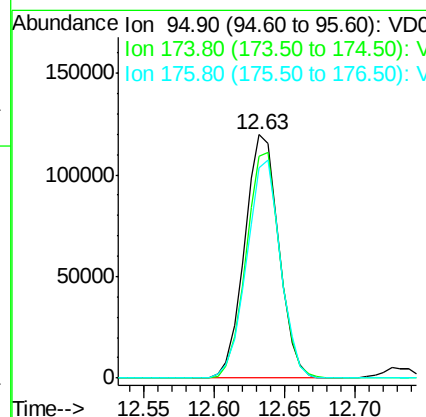
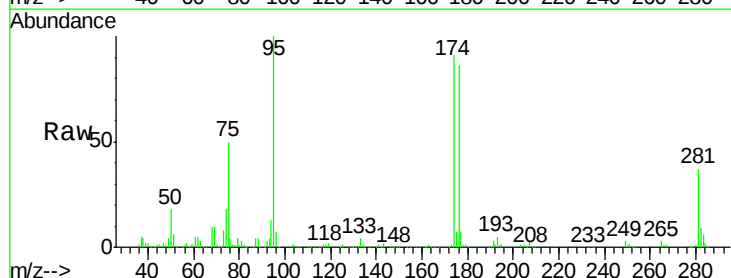
Manual Integrations
 APPROVED

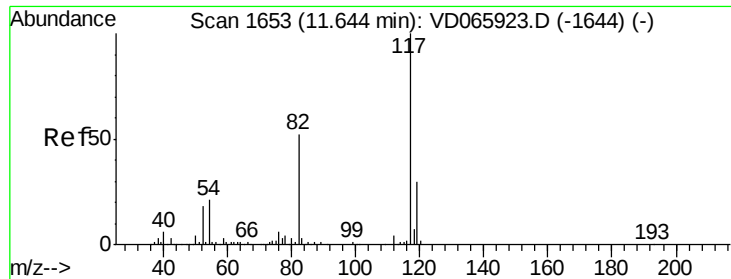
MMDadoda
 7/17/2020 4:43:40 PM



#62
 4-Bromofluorobenzene
 Concen: 50.322 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Tgt Ion: 95 Resp: 203735
 Ion Ratio Lower Upper
 95 100
 174 91.6 0.0 169.4
 176 88.3 0.0 164.0





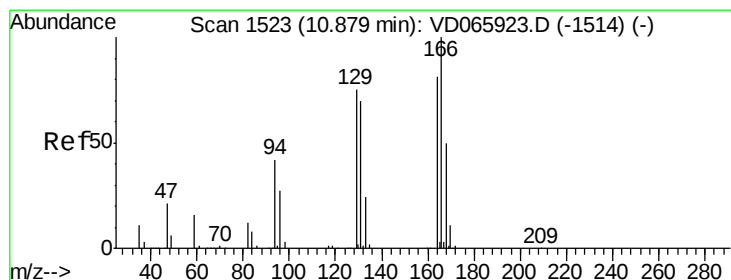
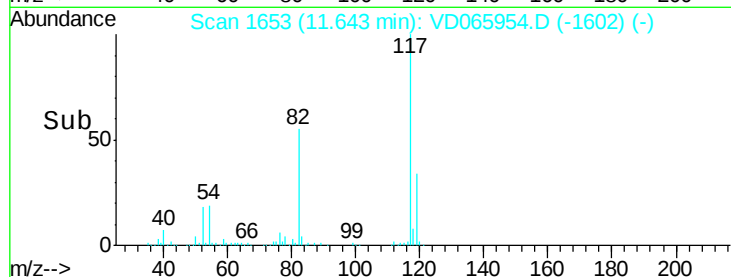
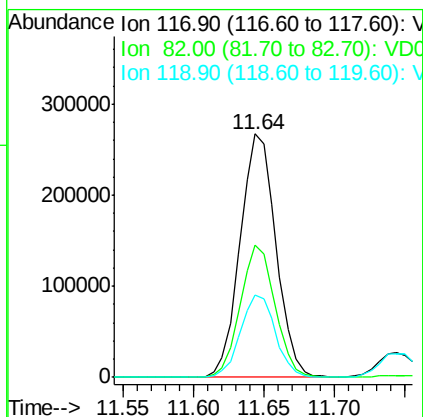
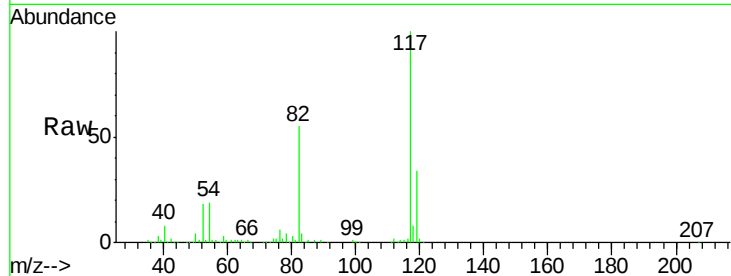
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	475613		
82	54.5	41.8	62.8	
119	33.8	24.3	36.5	

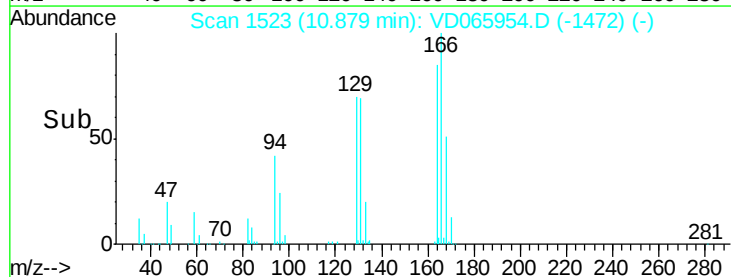
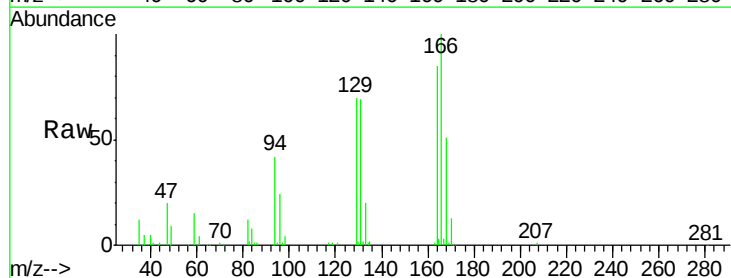
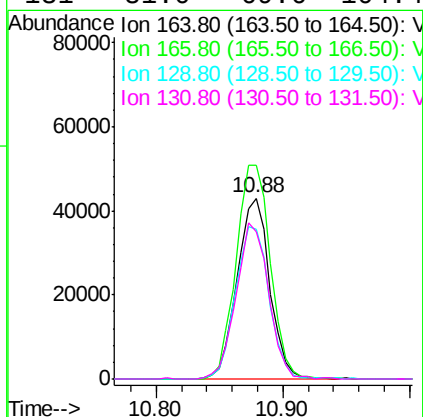
Manual Integrations
APPROVED

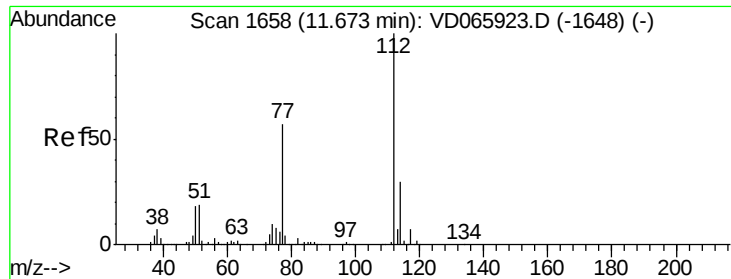
MMDadoda
7/17/2020 4:43:40 PM



#64
Tetrachloroethene
Concen: 22.151 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76617		
166	117.9	99.0	148.4	
129	83.0	73.9	110.9	
131	81.0	69.6	104.4	





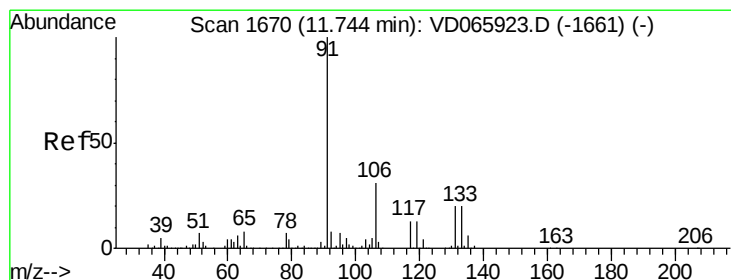
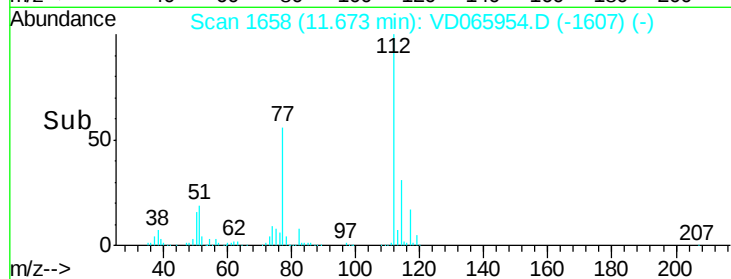
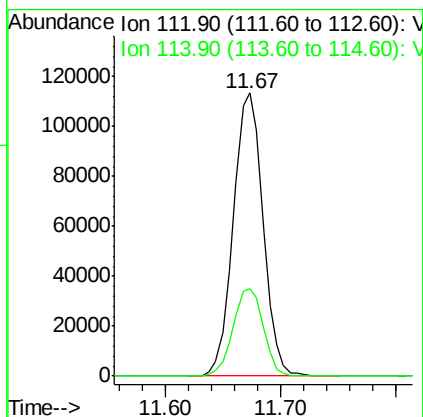
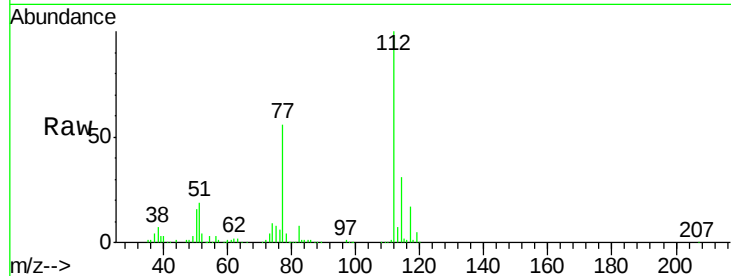
#65
Chlorobenzene
Concen: 21.042 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	24.2	36.4

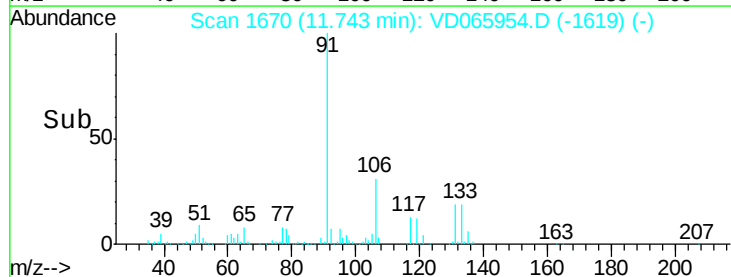
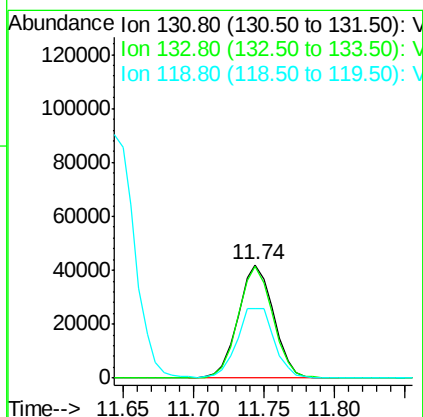
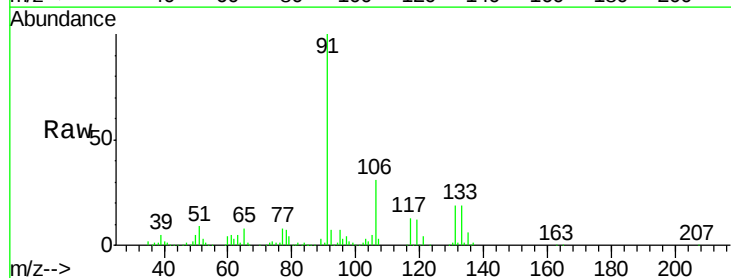
Manual Integrations
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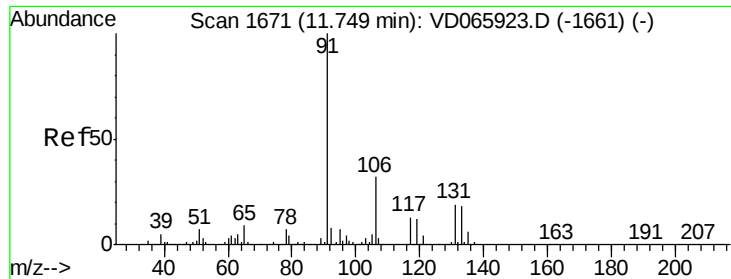
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.620 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.9	143.6
119	64.6	31.9	95.9





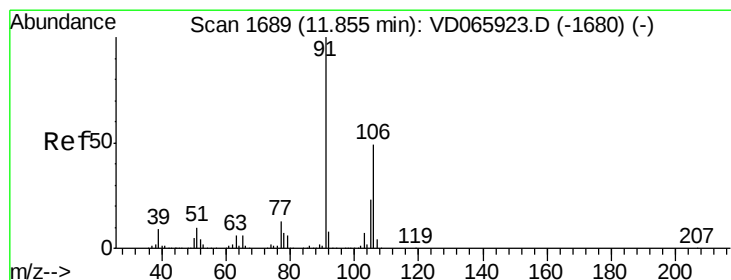
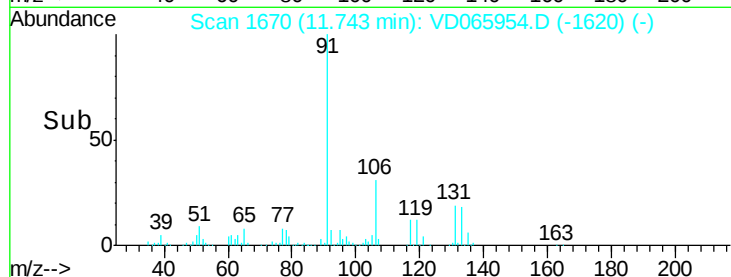
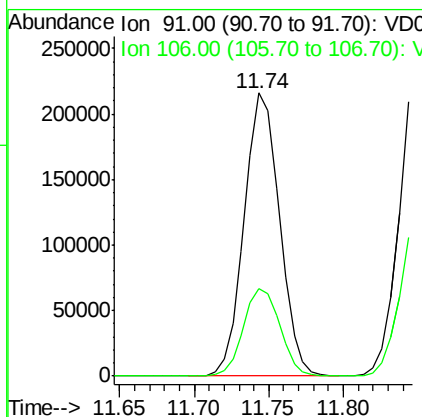
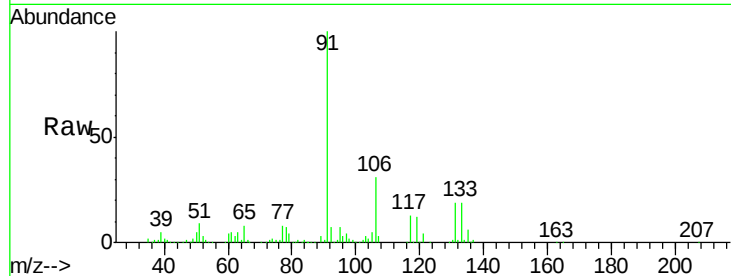
#67
Ethyl Benzene
Concen: 20.843 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion: 91 Resp: 354893
Ion Ratio Lower Upper
91 100
106 31.1 25.2 37.8

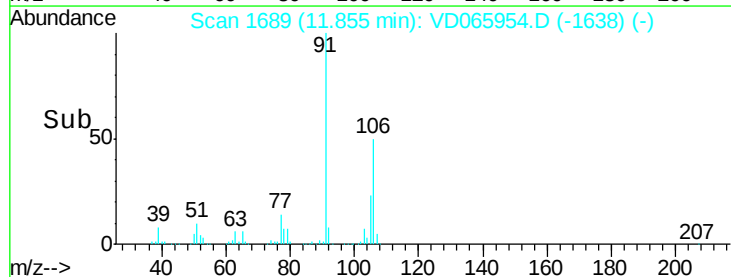
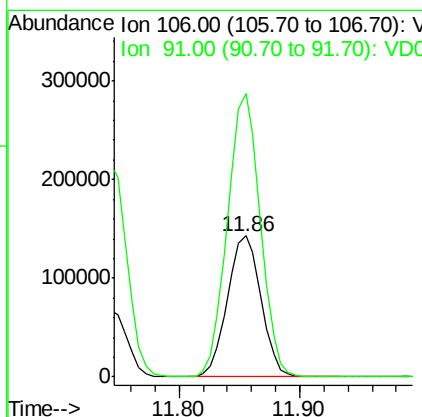
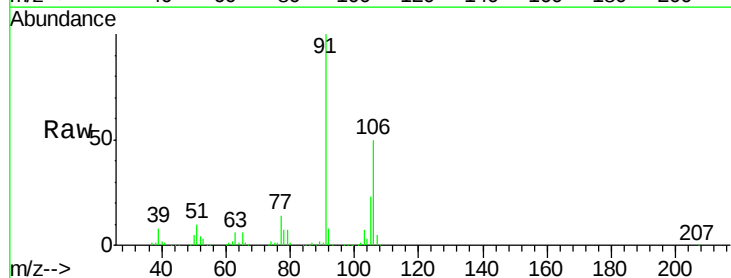
Manual Integrations
APPROVED

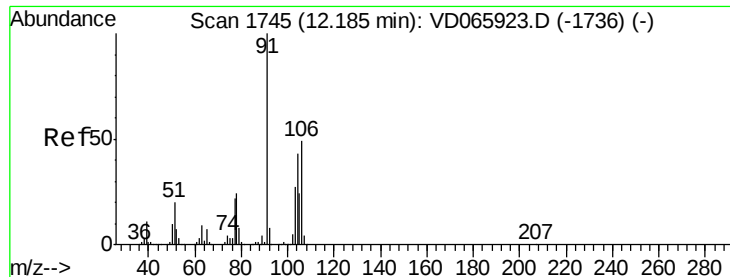
MMDadoda
7/17/2020 4:43:40 PM



#68
m/p-Xylenes
Concen: 42.704 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion: 106 Resp: 276252
Ion Ratio Lower Upper
106 100
91 197.2 158.2 237.2





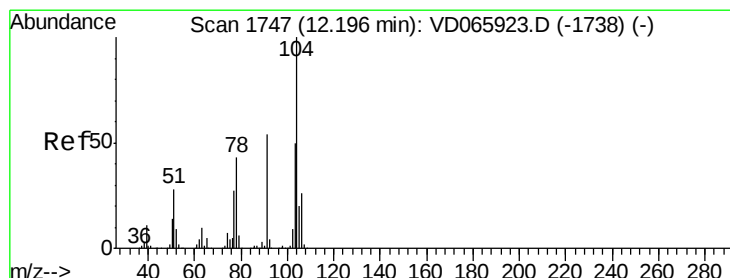
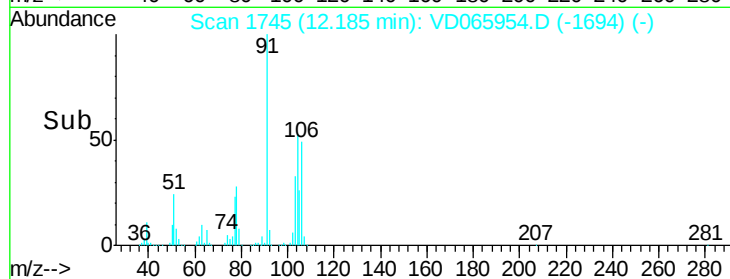
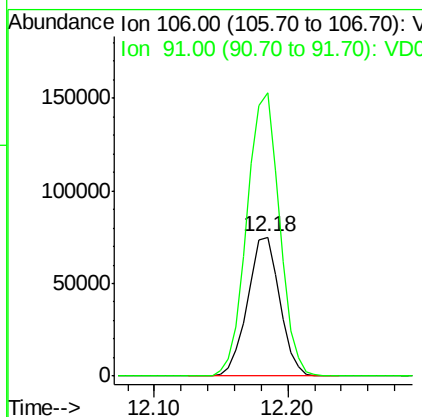
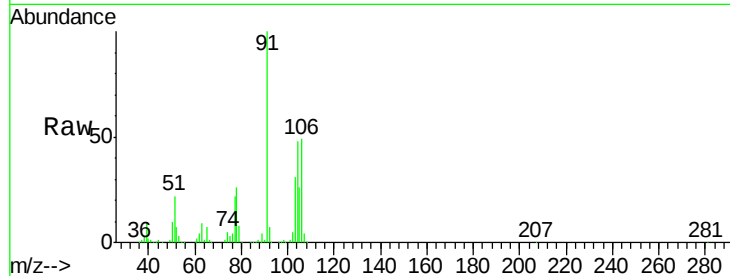
#69
o-Xylene
Concen: 21.095 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	206.9	104.1	312.2		

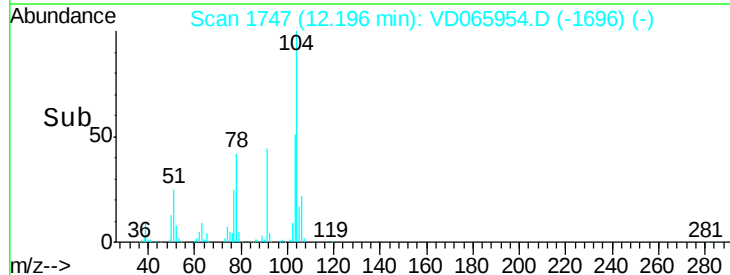
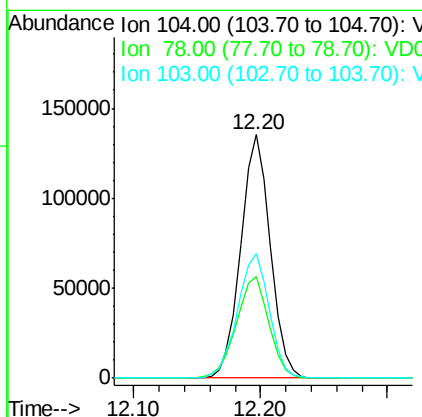
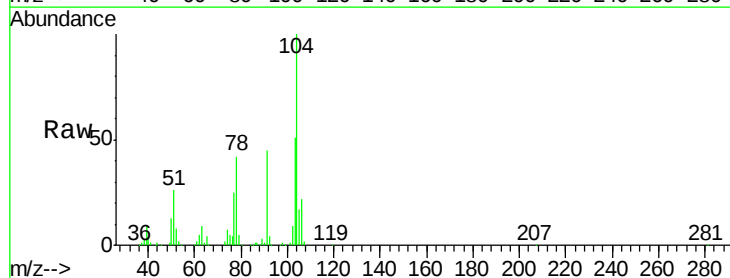
Manual Integrations
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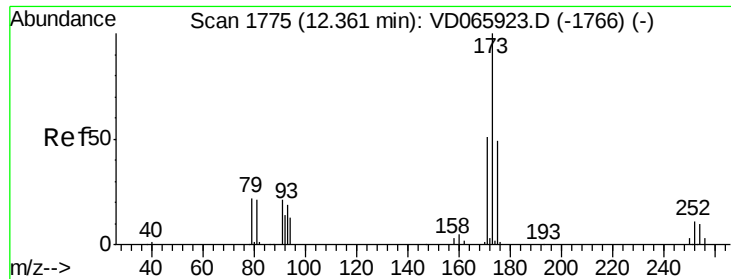
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#70
Styrene
Concen: 21.507 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	45.8	38.8	58.2		
103	54.9	43.6	65.4		





#71

Bromoform

Concen: 20.441 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

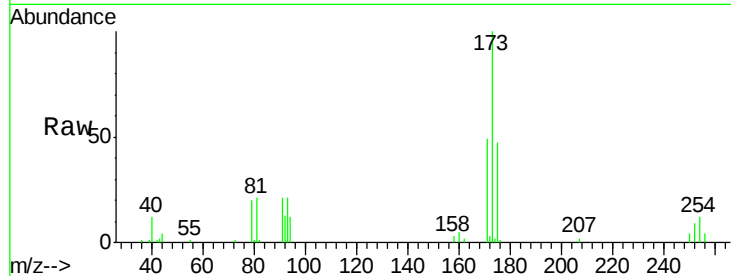
ClientSampleId :

VD0716SBS01

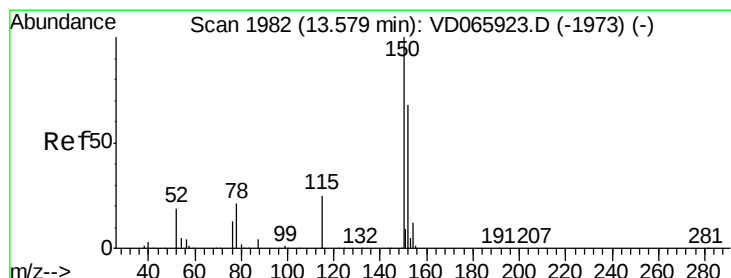
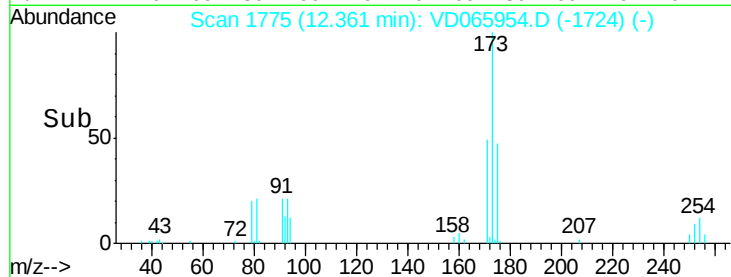
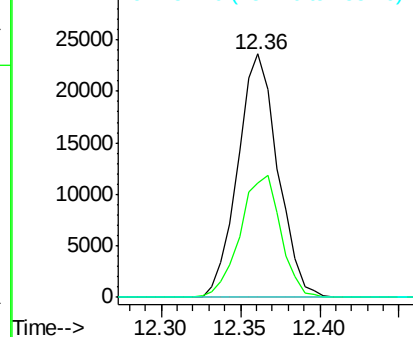
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.2	72.6
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

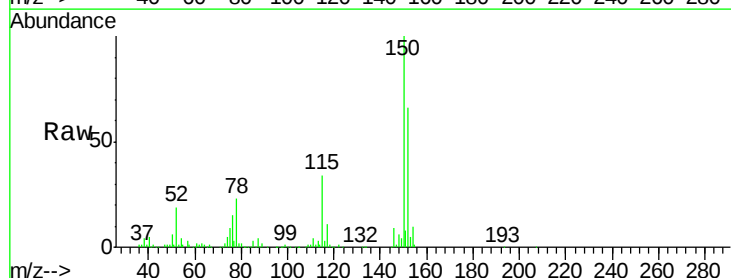
RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

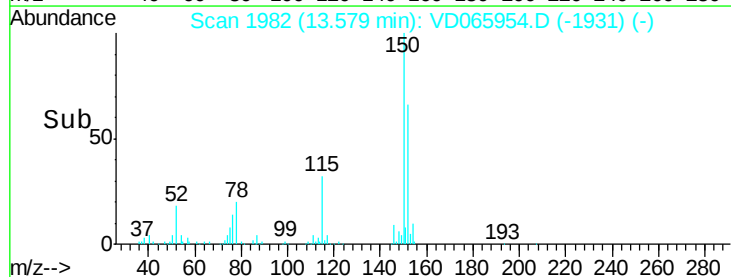
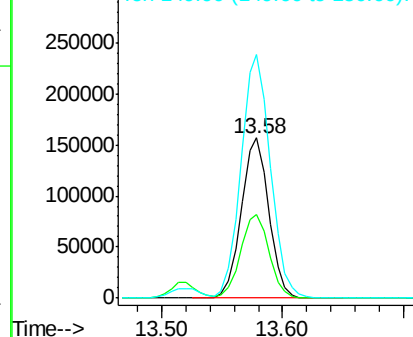
Lab File: VD065954.D

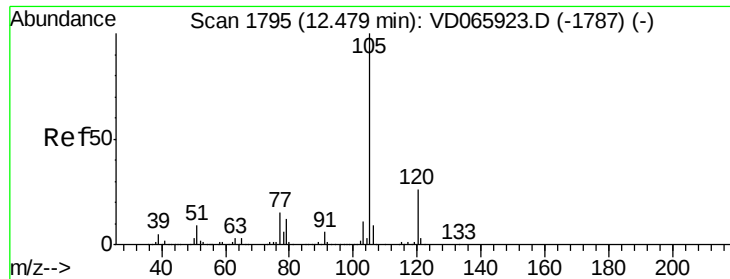
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.8	83.3
150	162.5	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





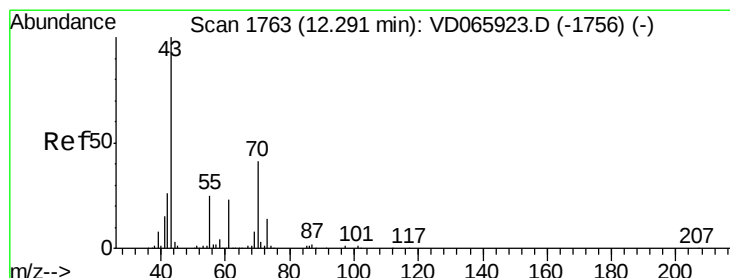
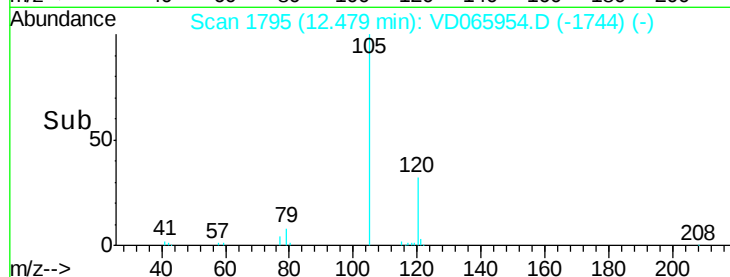
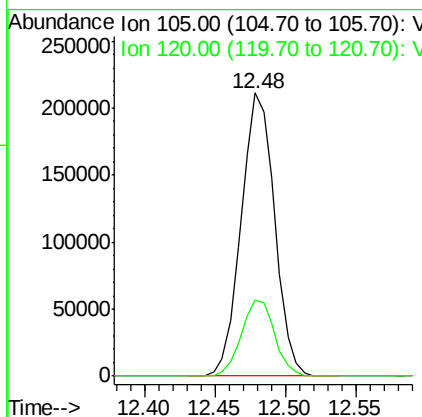
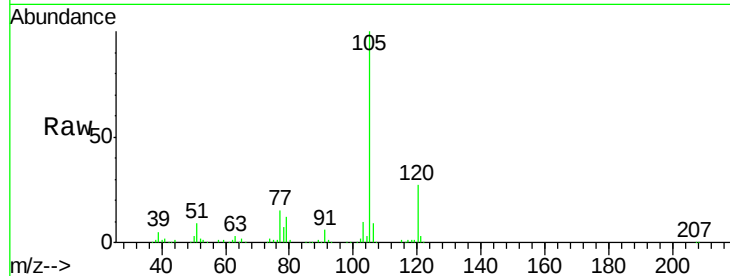
#73
Isopropylbenzene
Concen: 20.193 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	350811		
120	26.9	13.3	39.8	

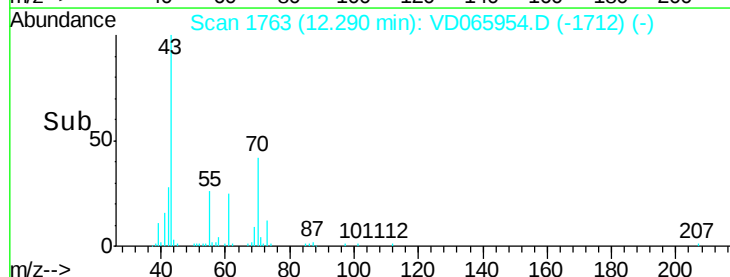
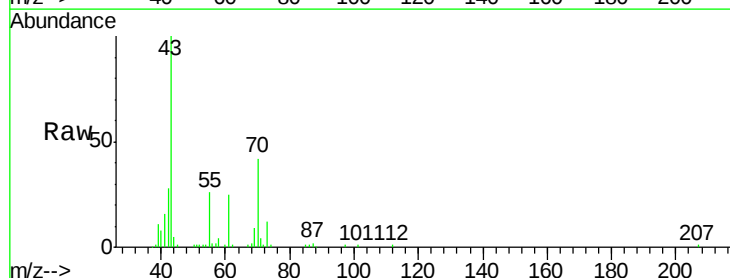
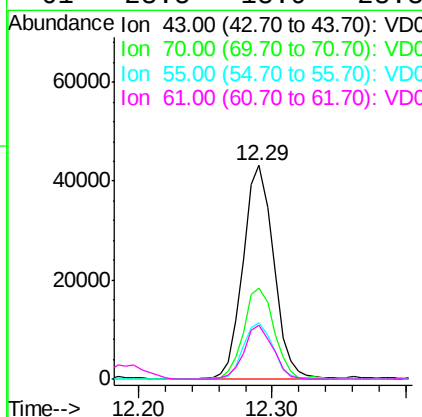
Manual Integrations
APPROVED

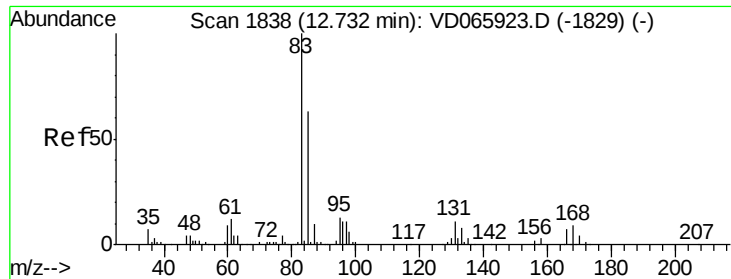
MMDadoda
7/17/2020 4:43:40 PM



#74
N-ethyl acetate
Concen: 17.652 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	68815		
70	42.2	33.6	50.4	
55	25.3	20.1	30.1	
61	23.5	18.9	28.3	





#75

1,1,2,2-Tetrachloroethane

Concen: 18.177 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

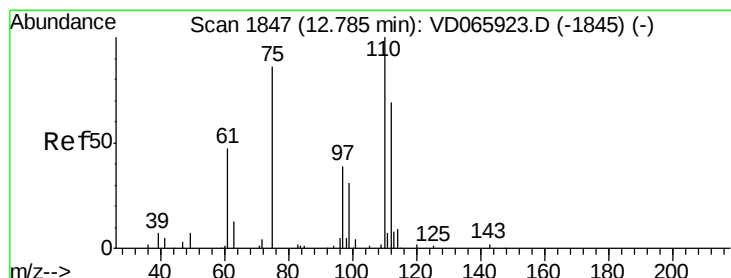
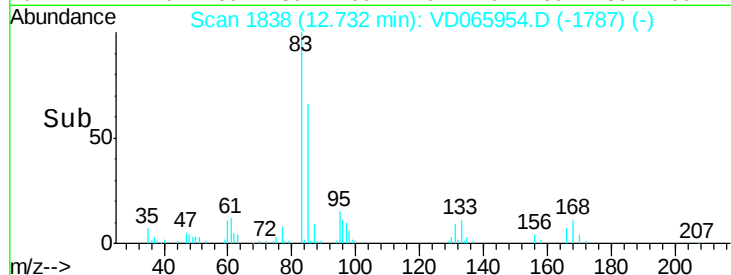
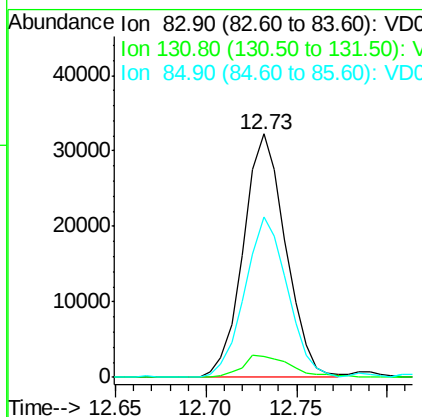
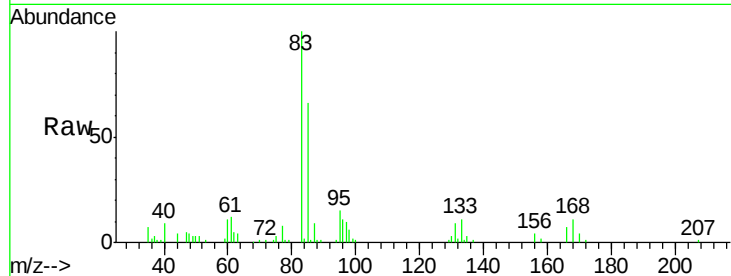
ClientSampleId :

VD0716SBS01

Tot Ion:	83	Resp:	52428
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.6	16.8
85	66.4	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.746 ug/l m

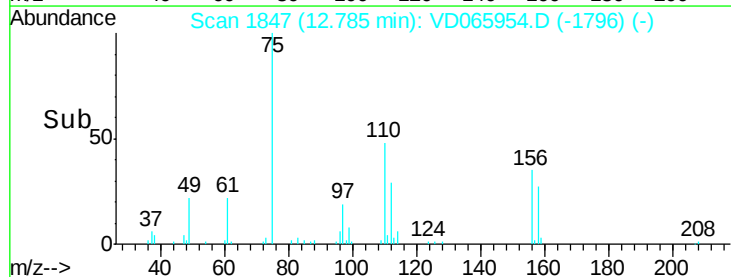
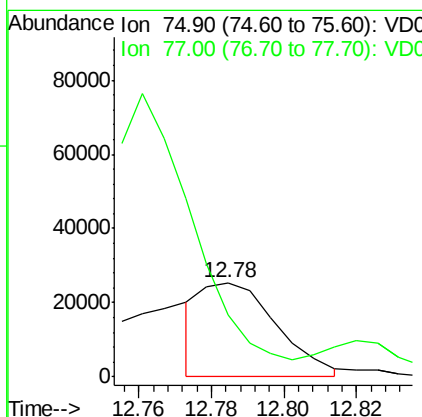
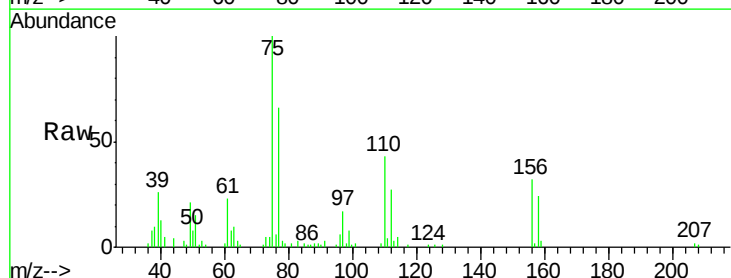
RT: 12.78 min Scan# 1847

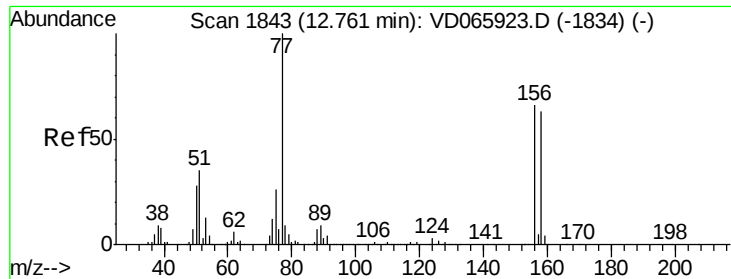
Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Tgt Ion:	75	Resp:	37058
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.213 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

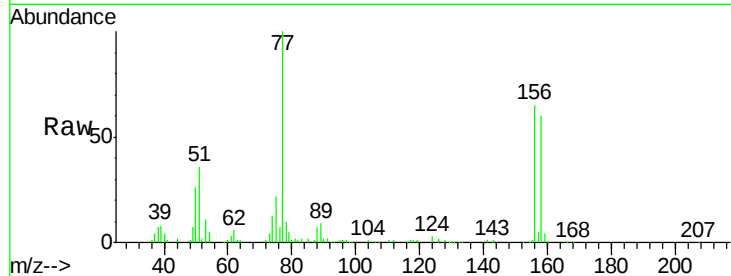
ClientSampleId :

VD0716SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	161.6	85.0	255.0	
158	98.5	49.0	147.0	

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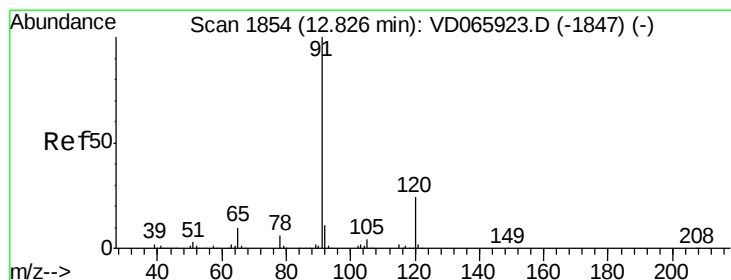
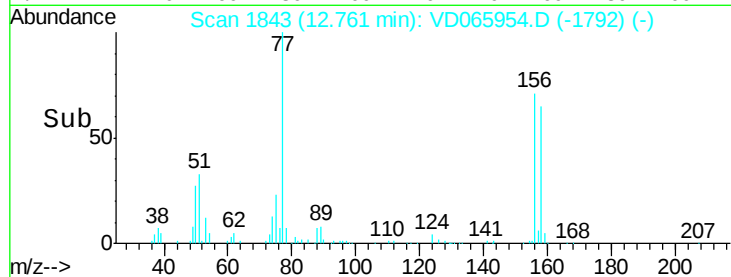
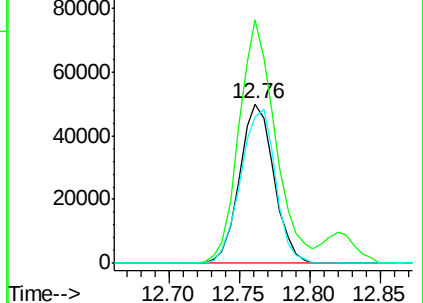
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.202 ug/l

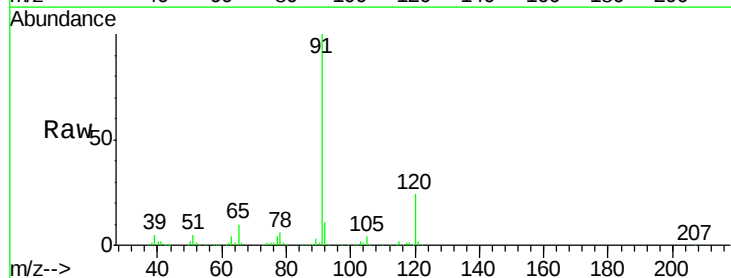
RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065954.D

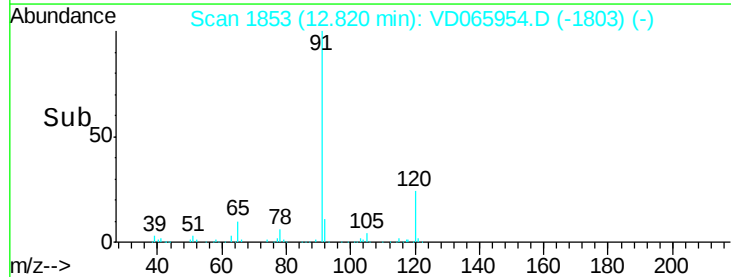
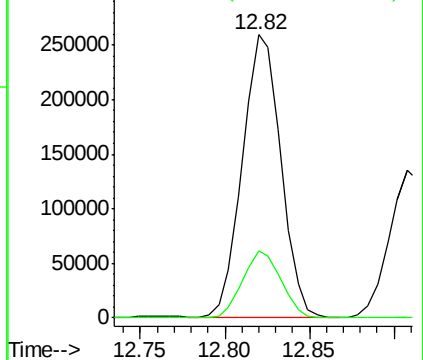
Acq: 16 Jul 2020 13:45

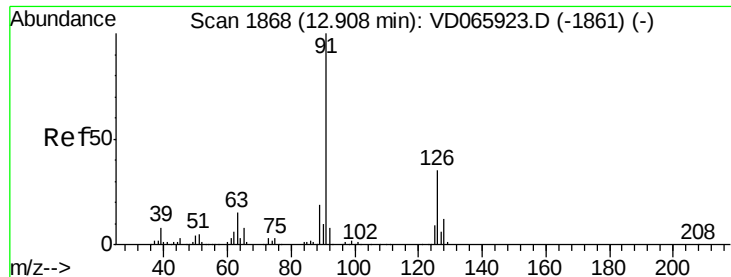
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.7	11.8	35.4	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





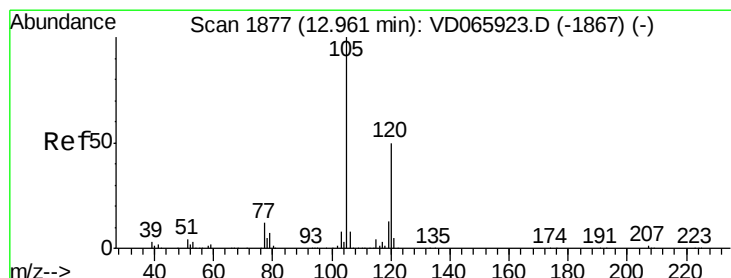
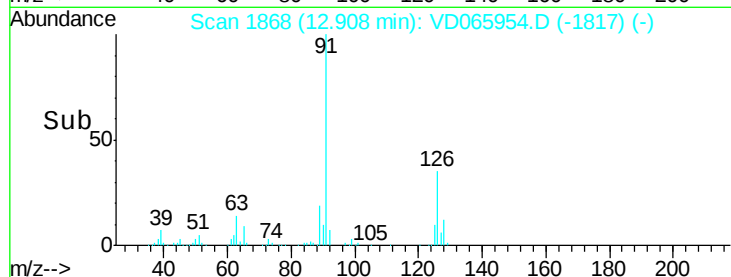
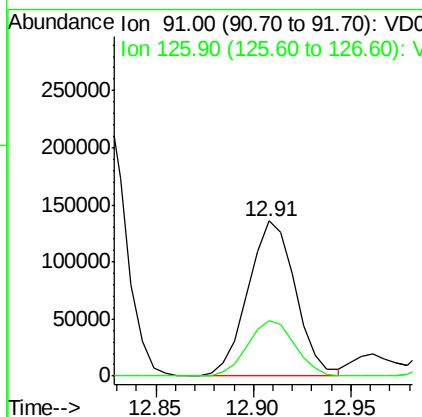
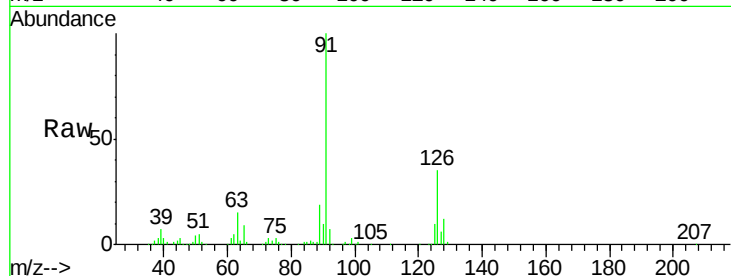
#79
2-Chlorotoluene
Concen: 19.795 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBSD01

Tot Ion: 91 Resp: 228734
Ion Ratio Lower Upper
91 100
126 35.3 17.6 52.8

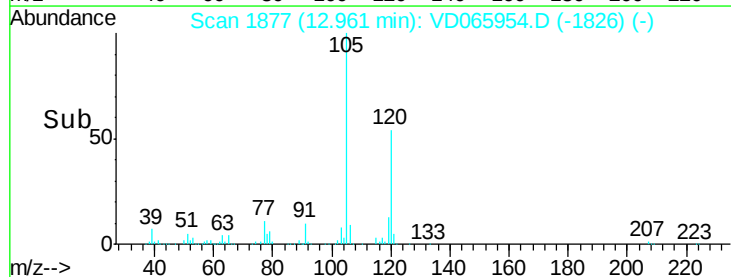
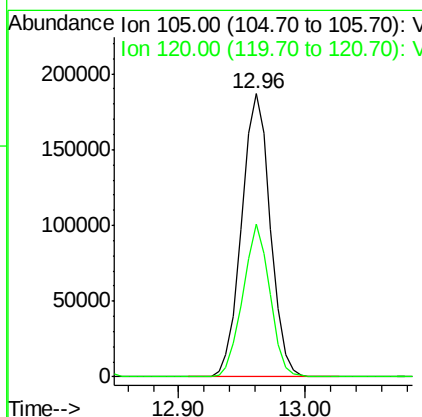
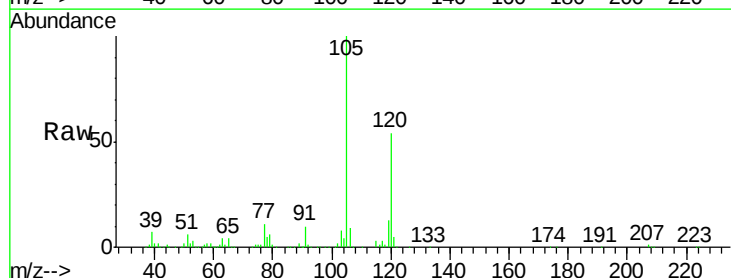
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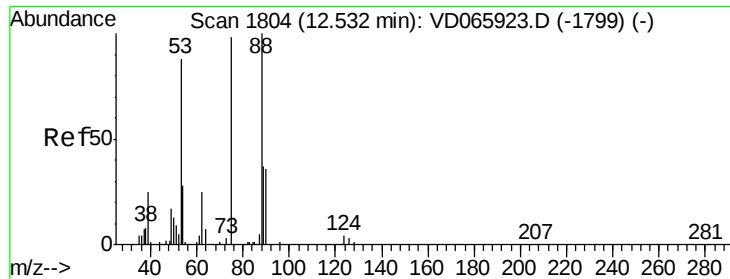
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.588 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion: 105 Resp: 292557
Ion Ratio Lower Upper
105 100
120 51.1 25.2 75.6





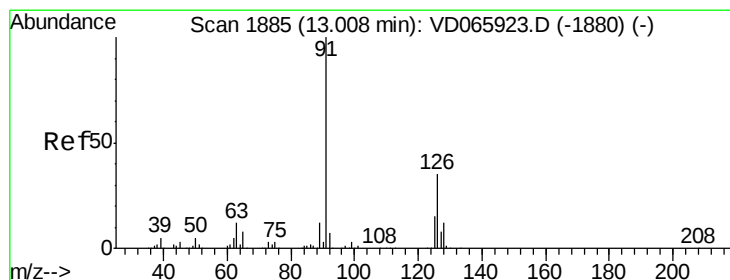
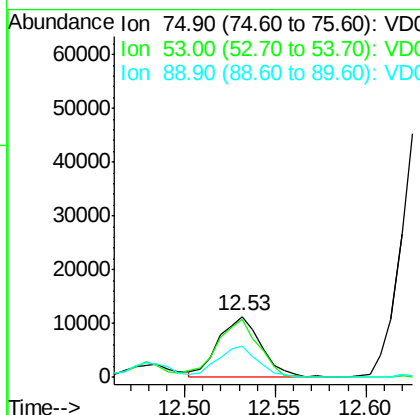
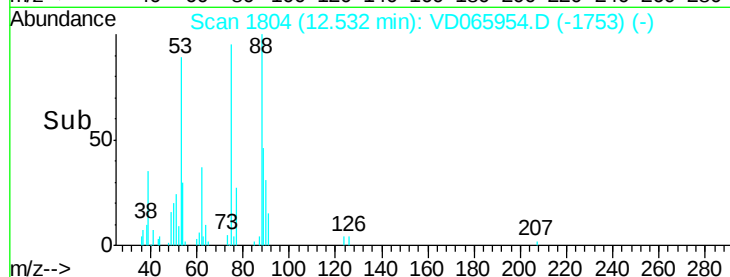
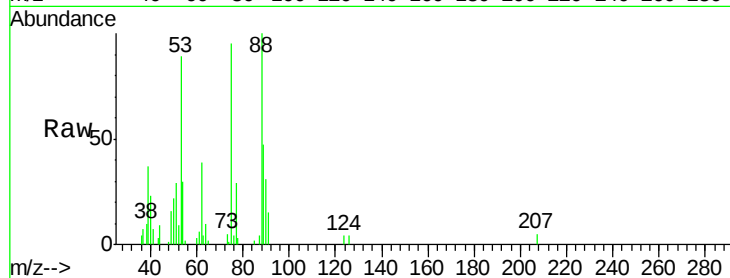
#81
trans-1,4-Dichloro-2-butene
Concen: 18.964 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.5	75.8	113.8
89	48.1	37.5	56.3

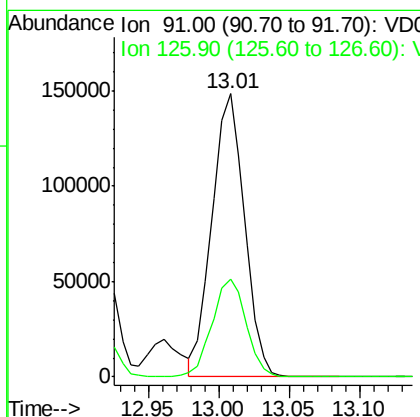
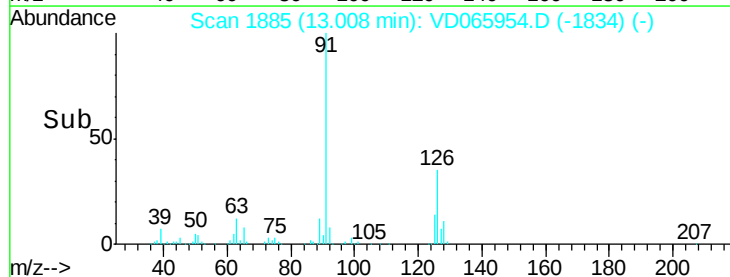
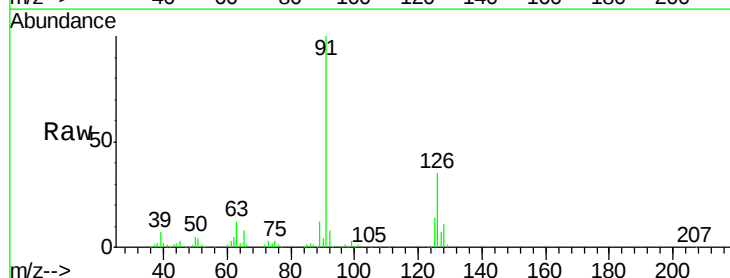
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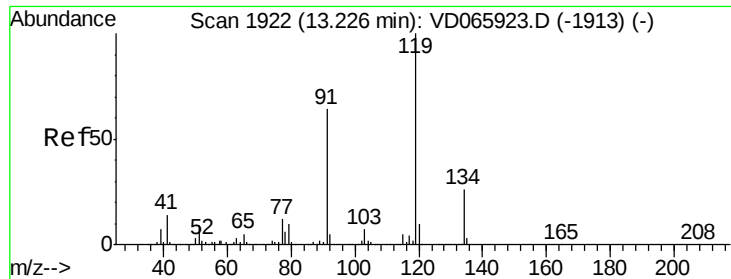
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#82
4-Chlorotoluene
Concen: 19.645 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.3	51.7





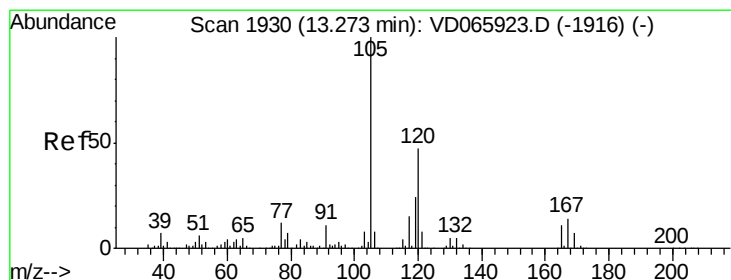
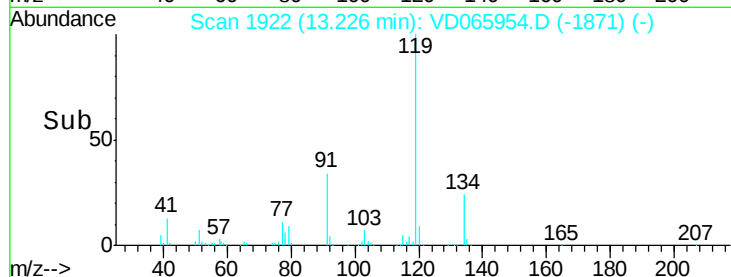
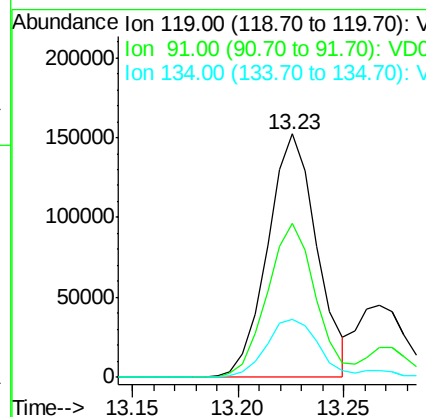
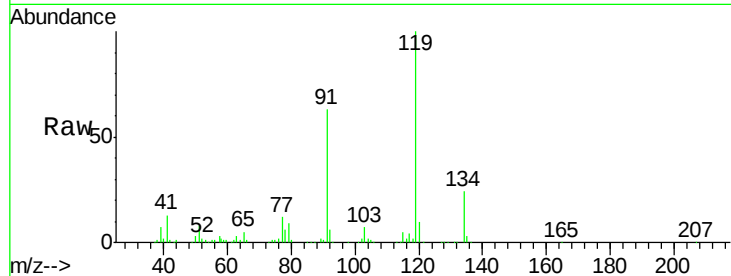
#83
tert-Butylbenzene
Concen: 20.445 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	32.4	97.2
134	25.2	14.1	42.4

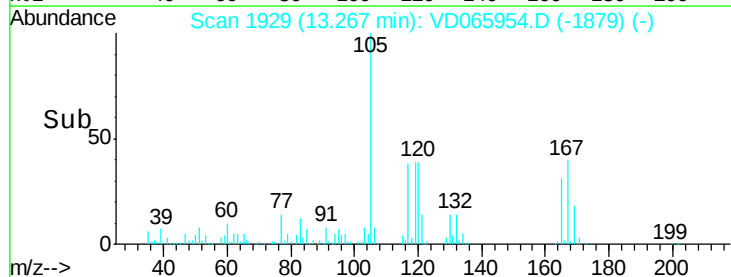
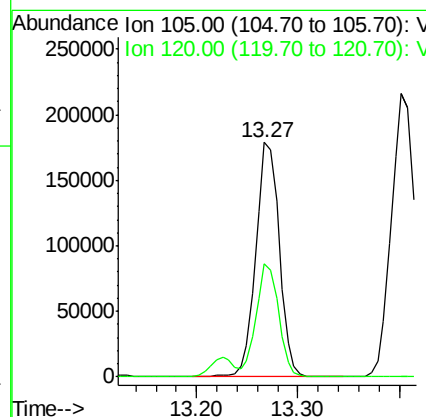
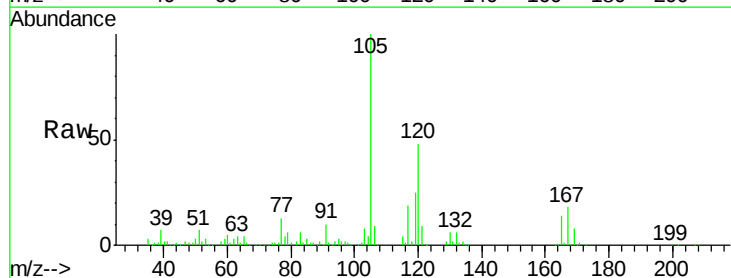
Manual Integrations
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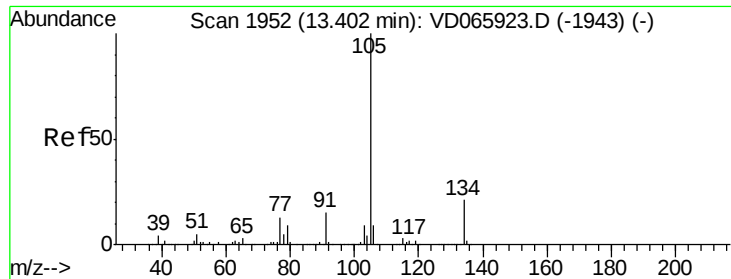
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#84
1,2,4-Trimethylbenzene
Concen: 20.455 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.2	69.5





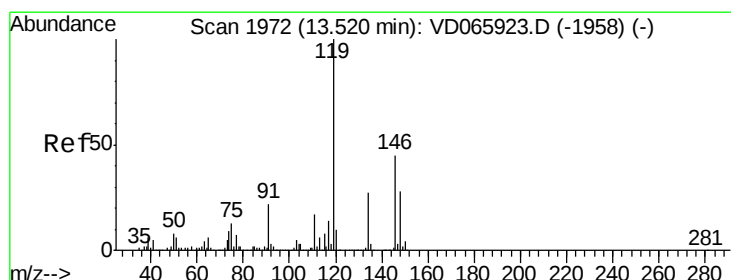
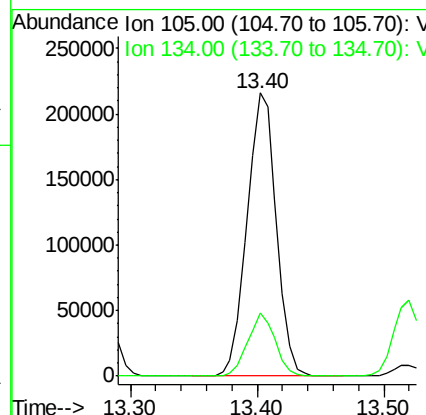
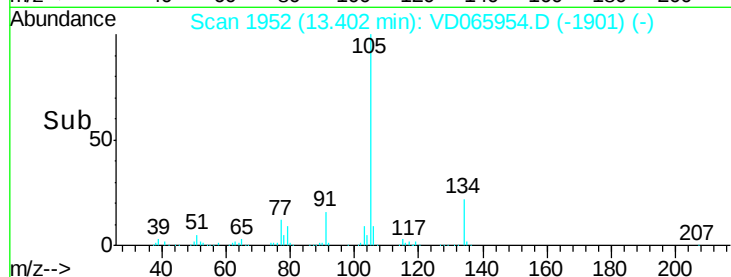
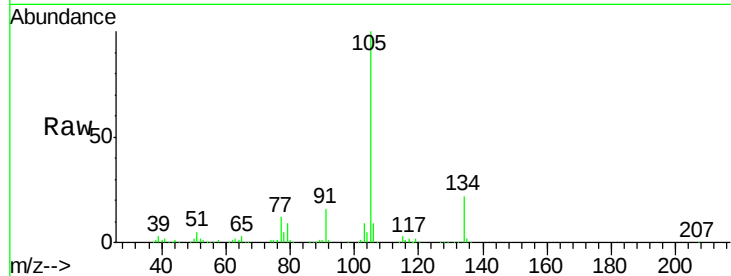
#85
 sec-Butylbenzene
 Concen: 20.146 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.1

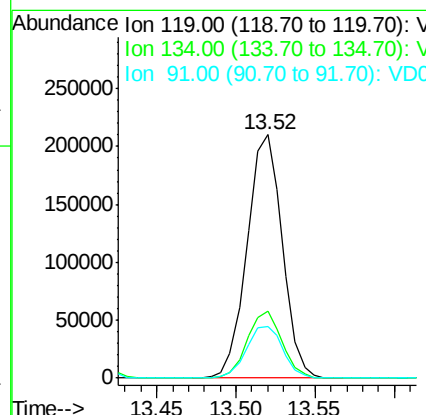
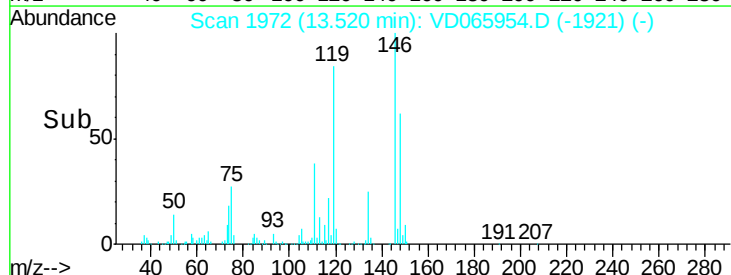
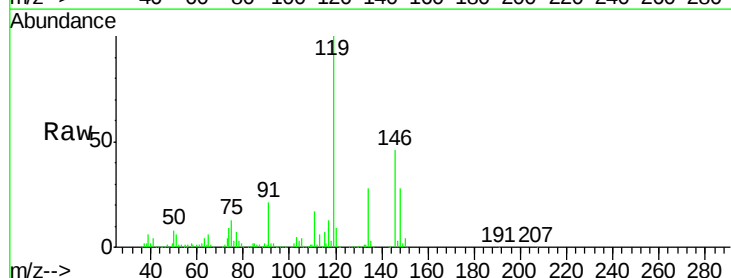
Manual Integrations
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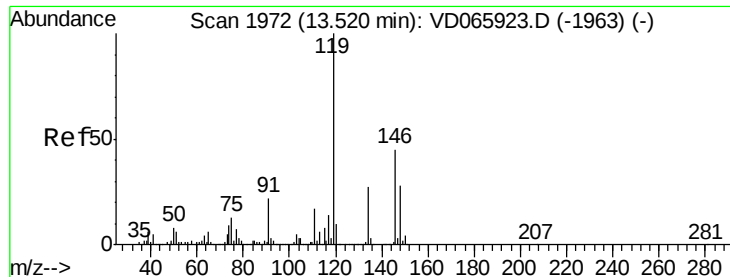
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#86
 p-Isopropyltoluene
 Concen: 20.634 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.1
91	22.2	11.3	33.8





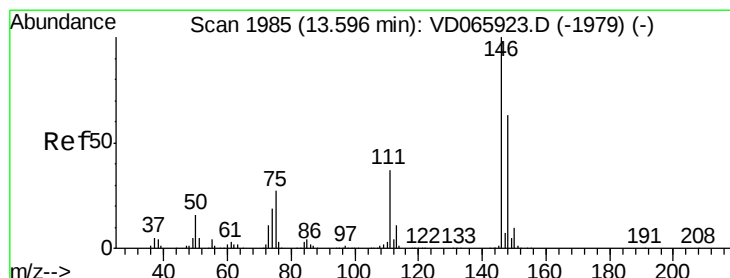
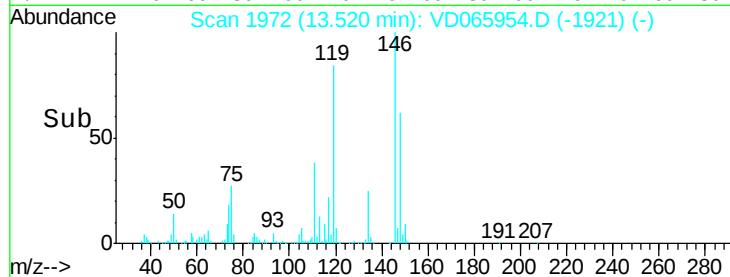
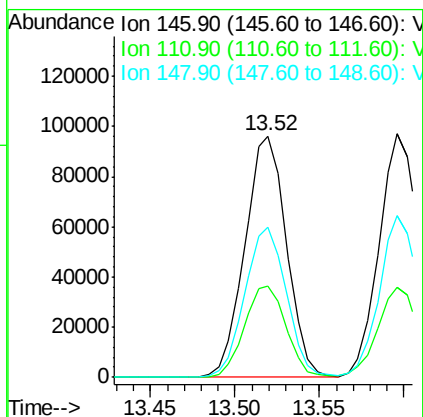
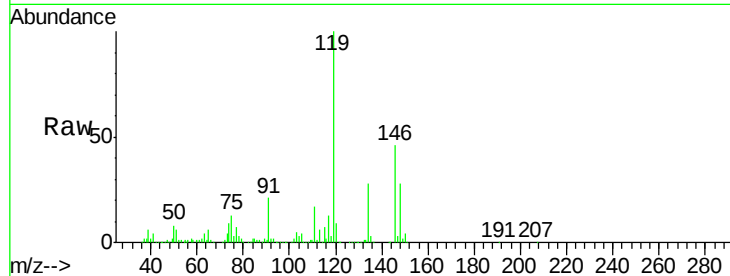
#87
 1,3-Dichlorobenzene
 Concen: 20.905 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.8
148	62.0	32.0	96.0

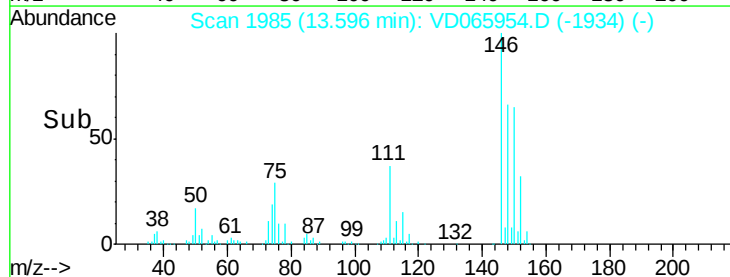
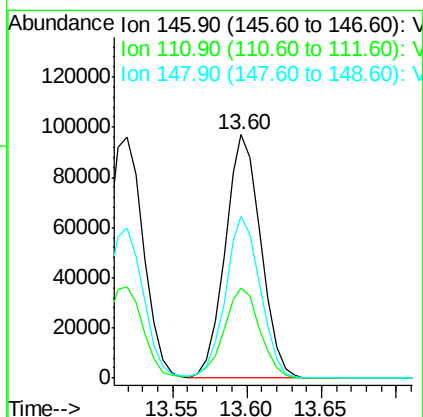
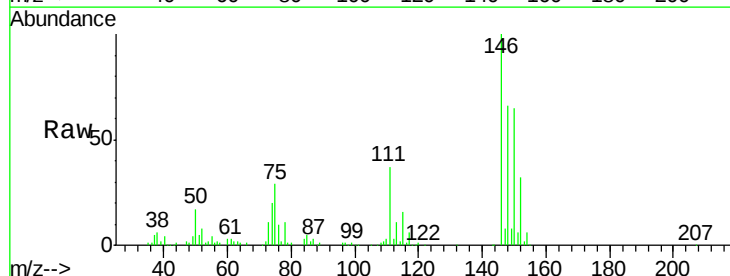
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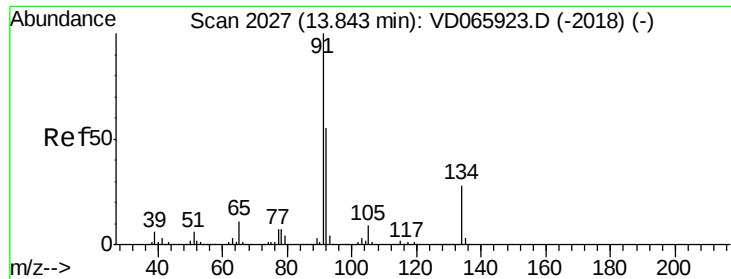
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#88
 1,4-Dichlorobenzene
 Concen: 20.556 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.7
148	65.2	32.1	96.3





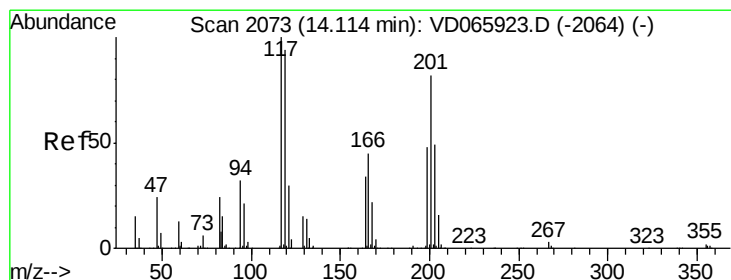
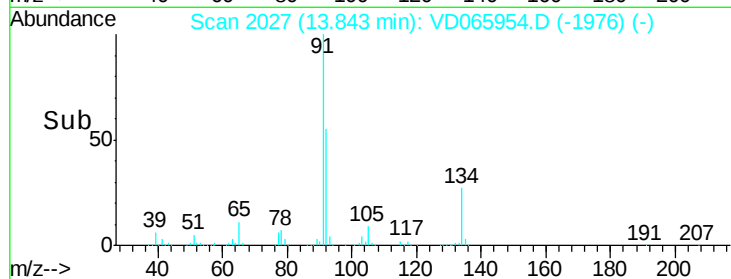
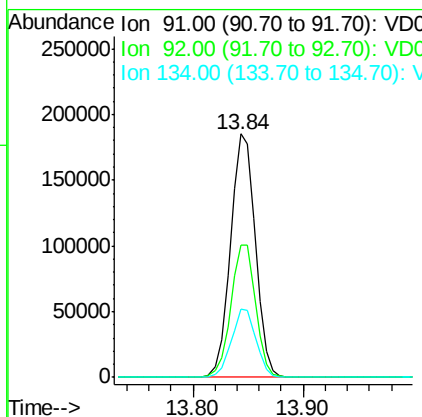
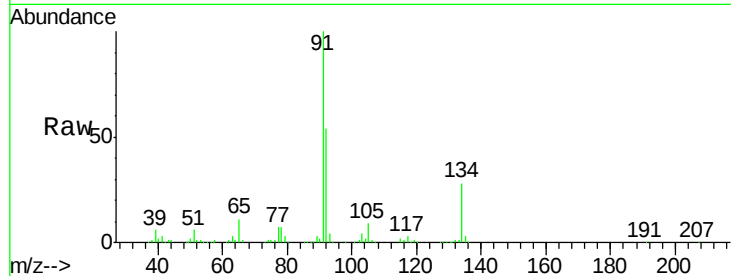
#89
n-Butylbenzene
Concen: 19.845 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.2	27.2	81.6	
134	27.9	13.8	41.3	

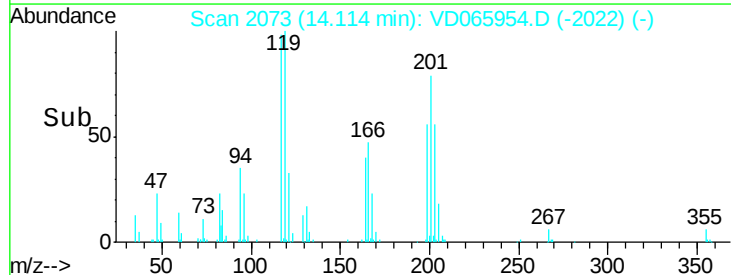
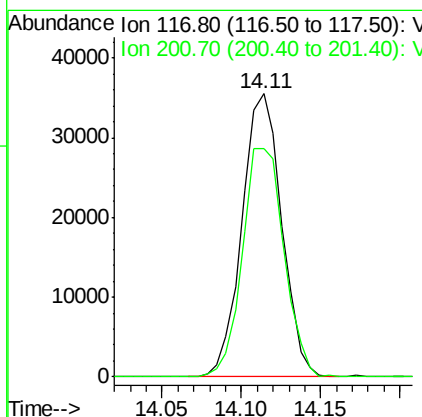
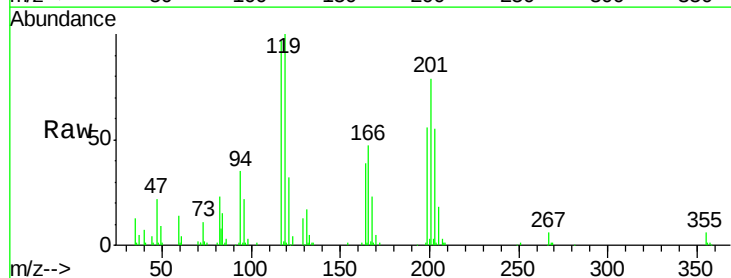
Manual Integrations
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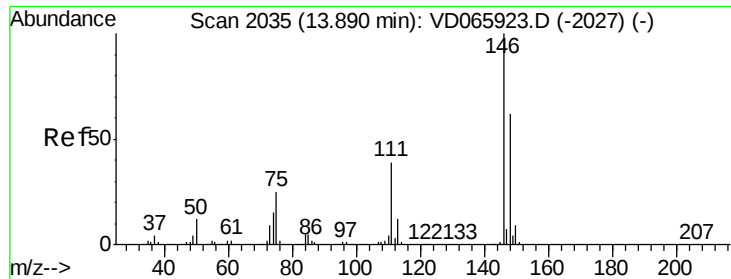
MMDadoda
7/17/2020 4:43:40 PM



#90
Hexachloroethane
Concen: 19.532 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD065954.D
Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.8	40.0	120.0	





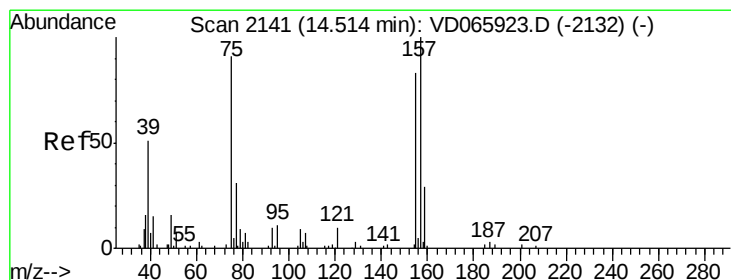
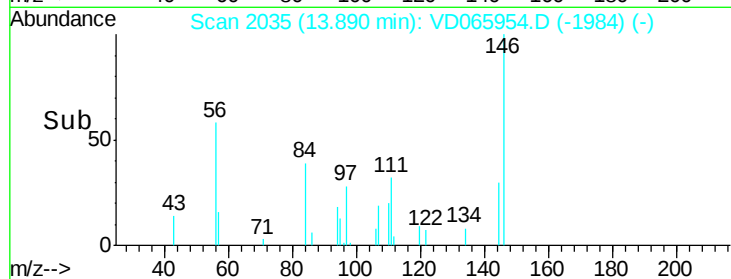
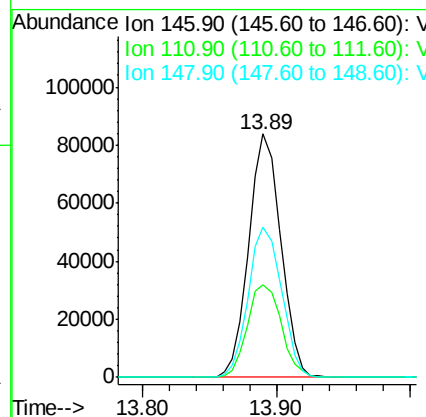
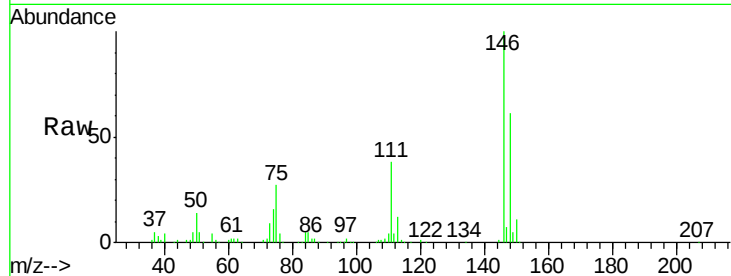
#91
 1,2-Dichlorobenzene
 Concen: 20.183 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.0
148	64.0	32.5	97.5

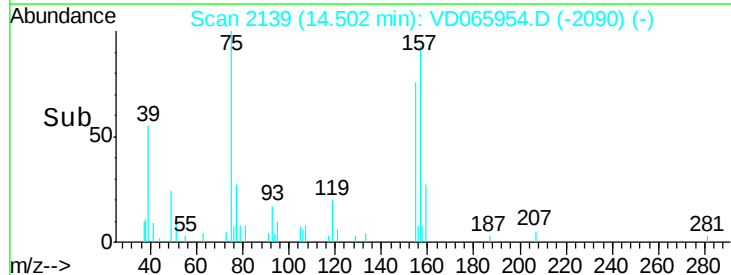
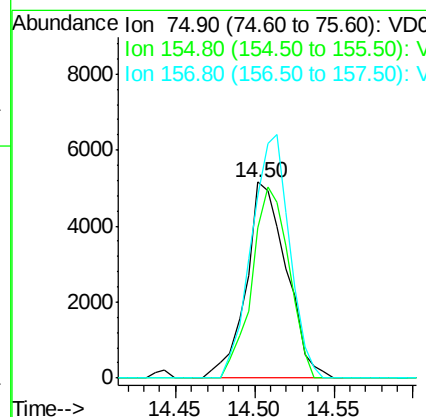
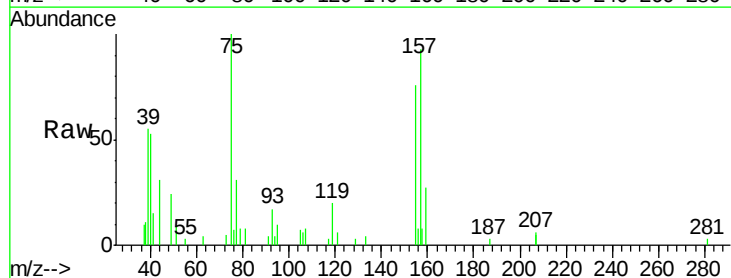
Manual Integrations
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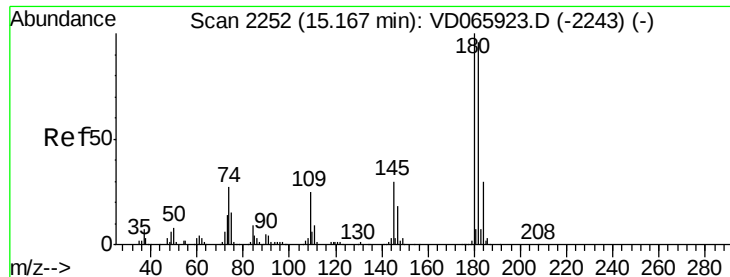
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.829 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	45.3	135.8
157	117.8	56.9	170.6





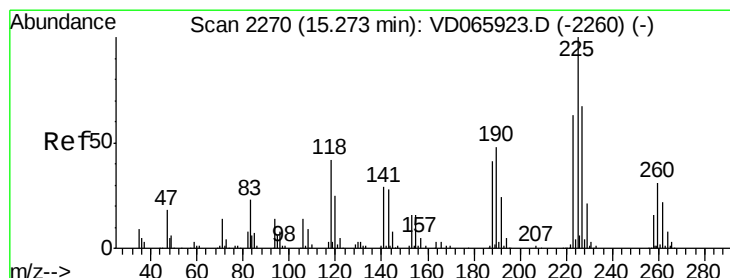
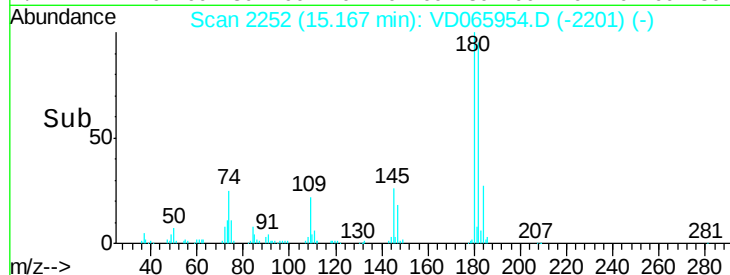
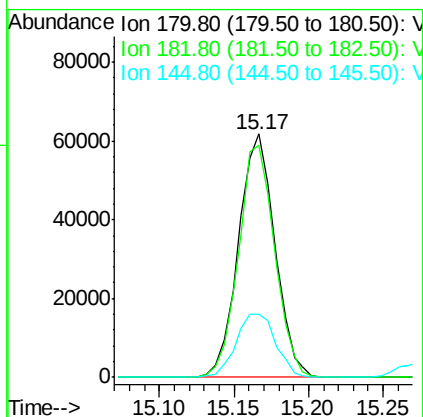
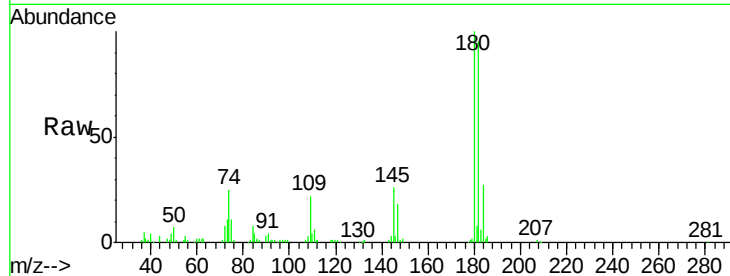
#93
 1,2,4-Trichlorobenzene
 Concen: 21.256 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.5	145.6
145	28.3	15.0	45.1

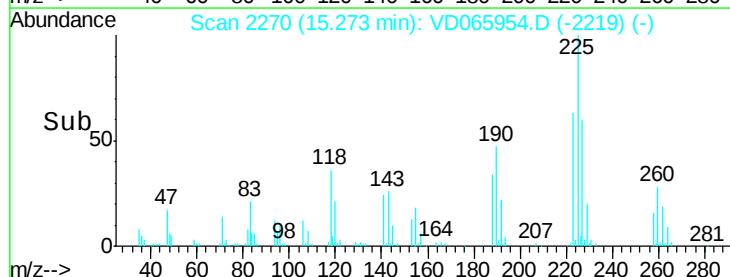
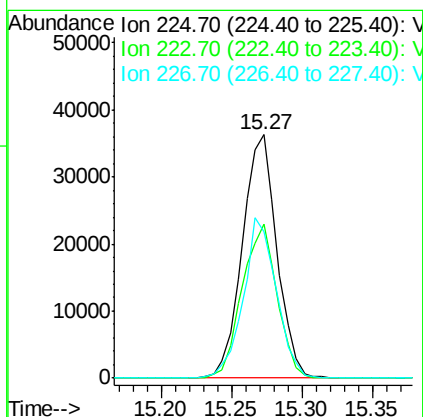
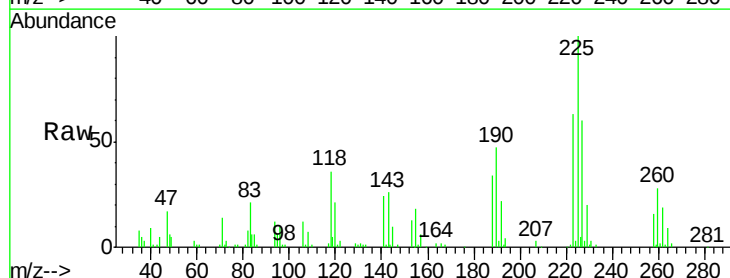
Manual Integrations
 APPROVED

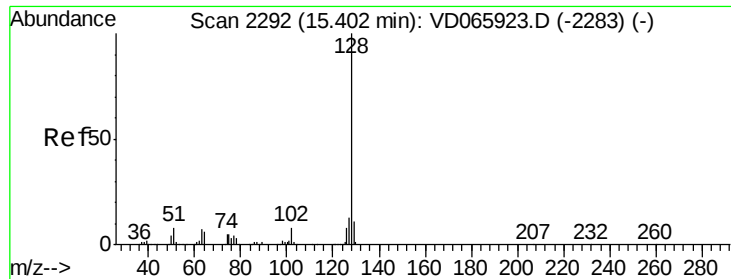
MMDadoda
 7/17/2020 4:43:40 PM



#94
 Hexachlorobutadiene
 Concen: 20.921 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065954.D
 Acq: 16 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.1	93.2
227	63.2	31.6	95.0





#95

Naphthalene

Concen: 19.108 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Instrument :

MSVOA_D

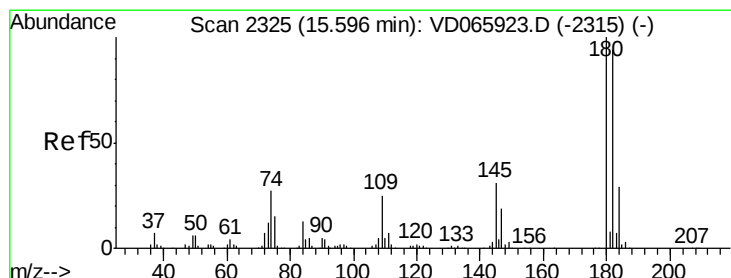
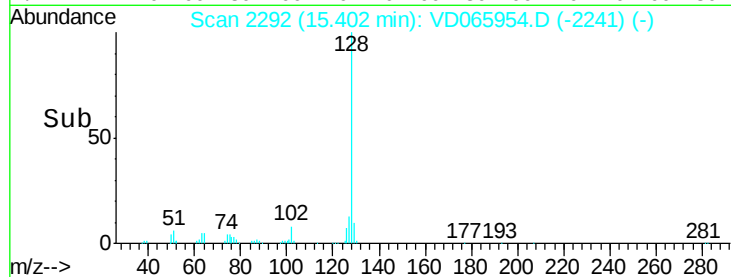
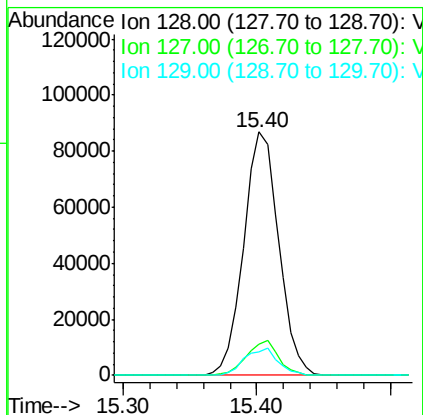
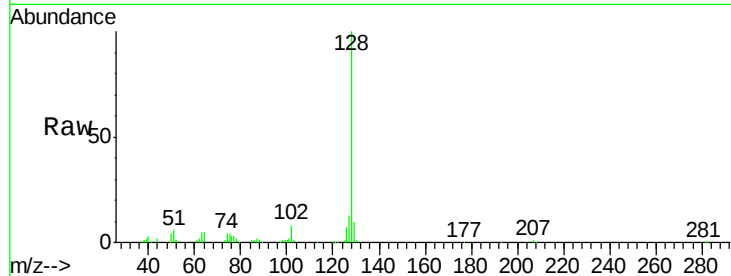
ClientSampleId :

VD0716SBS01

Tot Ion:	128	Resp:	157404
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.8	16.2
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/17/2020 4:43:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.697 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD065954.D

Acq: 16 Jul 2020 13:45

Tgt Ion:	180	Resp:	87684
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.6	142.8
145	29.6	16.1	48.2

