

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066523.D
 Acq On : 02 Sep 2020 15:26
 Operator : VA/SY
 Sample : VD0902SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 4:57:23 PM

Quant Time: Sep 03 03:53:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 15:08:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	165722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	229017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	208826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	113312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	98072	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
35) Dibromofluoromethane	7.91	113	78614	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	
50) Toluene-d8	10.34	98	287988	55.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.36%	
62) 4-Bromofluorobenzene	12.63	95	103190	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	31369	22.188	ug/l	97
3) Chloromethane	2.20	50	19283	22.688	ug/l	94
4) Vinyl Chloride	2.35	62	22440	21.651	ug/l	96
5) Bromomethane	2.76	94	18496	21.835	ug/l	95
6) Chloroethane	2.92	64	13076	18.752	ug/l	91
7) Trichlorofluoromethane	3.27	101	67200	21.270	ug/l	100
8) Diethyl Ether	3.70	74	12569	21.226	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.10	101	29097	22.115	ug/l	95
10) Methyl Iodide	4.30	142	26540	18.191	ug/l	99
11) Tert butyl alcohol	5.20	59	13244m	114.966	ug/l	
12) 1,1-Dichloroethene	4.06	96	26016	21.041	ug/l	97
13) Acrolein	3.91	56	6044	104.405	ug/l	91
14) Allyl chloride	4.71	41	30401	21.996	ug/l	97
15) Acrylonitrile	5.42	53	22933	107.997	ug/l #	85
16) Acetone	4.16	43	26506	100.562	ug/l #	85
17) Carbon Disulfide	4.41	76	73670	20.618	ug/l #	91
18) Methyl Acetate	4.71	43	9068	21.426	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	67391	20.889	ug/l #	90
20) Methylene Chloride	4.97	84	34103	23.524	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	28537	20.178	ug/l	87
22) Diisopropyl ether	6.36	45	57893	20.900	ug/l	91
23) Vinyl Acetate	6.30	43	191315	107.429	ug/l	99
24) 1,1-Dichloroethane	6.26	63	45401	20.869	ug/l	98
25) 2-Butanone	7.21	43	28529	104.574	ug/l	97
26) 2,2-Dichloropropane	7.21	77	56727	20.578	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	32364	21.102	ug/l	97
28) Bromochloromethane	7.54	49	13054	20.740	ug/l	95
29) Tetrahydrofuran	7.56	42	15023	107.121	ug/l	95
30) Chloroform	7.71	83	58175	20.709	ug/l	95
31) Cyclohexane	7.99	56	38414	21.200	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	65580	20.961	ug/l	98
36) 1,1-Dichloropropene	8.10	75	42357	21.099	ug/l	99
37) Ethyl Acetate	7.29	43	12022	19.950	ug/l #	81
38) Carbon Tetrachloride	8.09	117	63003	20.601	ug/l	96

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Quant Time: Sep 03 03:53:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	48648	20.741	ug/l	98
40) Benzene	8.34	78	107694	20.795	ug/l	95
41) Methacrylonitrile	7.52	41	5623	17.934	ug/l #	96
42) 1,2-Dichloroethane	8.41	62	46152	21.066	ug/l	99
43) Isopropyl Acetate	8.44	43	26373	20.892	ug/l	98
44) Trichloroethene	9.11	130	37735	21.111	ug/l	95
45) 1,2-Dichloropropane	9.38	63	21886	21.300	ug/l	97
46) Dibromomethane	9.47	93	15801	21.005	ug/l	96
47) Bromodichloromethane	9.66	83	45652	20.419	ug/l	88
48) Methyl methacrylate	9.45	41	14224	22.110	ug/l	98
49) 1,4-Dioxane	9.46	88	4076	468.101	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	63113	108.728	ug/l	99
52) Toluene	10.40	92	77649	21.080	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	41827	20.476	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	45027	20.923	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	20803	21.885	ug/l #	87
56) Ethyl methacrylate	10.66	69	23325	20.850	ug/l	96
57) 1,3-Dichloropropane	10.94	76	32800	20.895	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	50060	114.636	ug/l	98
59) 2-Hexanone	10.98	43	45493	108.517	ug/l	95
60) Dibromochloromethane	11.14	129	32414	20.622	ug/l	96
61) 1,2-Dibromoethane	11.25	107	19784	20.418	ug/l	100
64) Tetrachloroethene	10.87	164	33350	20.484	ug/l	93
65) Chlorobenzene	11.67	112	87572	21.315	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	37710	21.694	ug/l	99
67) Ethyl Benzene	11.74	91	154725	21.379	ug/l	99
68) m/p-Xylenes	11.85	106	118938	42.476	ug/l	98
69) o-Xylene	12.18	106	54392	20.507	ug/l	99
70) Styrene	12.20	104	98015	21.584	ug/l	98
71) Bromoform	12.36	173	20407	21.403	ug/l #	95
73) Isopropylbenzene	12.48	105	155372	20.521	ug/l	100
74) N-amyl acetate	12.29	43	24171	21.172	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	19367	21.646	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	14338m	20.115	ug/l	
77) Bromobenzene	12.76	156	39440	20.527	ug/l	99
78) n-propylbenzene	12.82	91	171146	20.743	ug/l	99
79) 2-Chlorotoluene	12.91	91	99097	20.758	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	135926	20.649	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	7556	23.606	ug/l	91
82) 4-Chlorotoluene	13.01	91	108724	21.204	ug/l	98
83) tert-Butylbenzene	13.23	119	115840	20.063	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	137086	20.822	ug/l	97
85) sec-Butylbenzene	13.40	105	151752	20.747	ug/l	100
86) p-Isopropyltoluene	13.52	119	151005	20.655	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	75562	21.204	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	74359	20.627	ug/l	97
89) n-Butylbenzene	13.85	91	126479	20.654	ug/l	98
90) Hexachloroethane	14.12	117	27795	21.186	ug/l	90
91) 1,2-Dichlorobenzene	13.89	146	64694	20.872	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5076	21.452	ug/l	97

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ClientSampleId :
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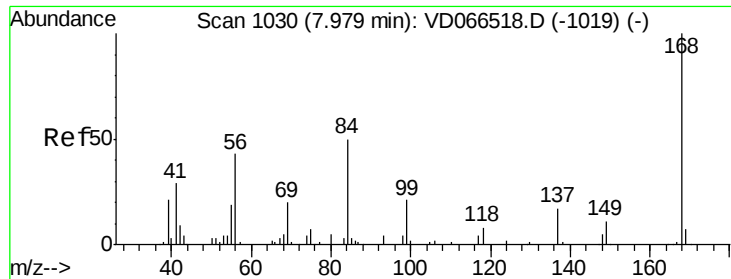
Manual Integrations
APPROVED

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9/3/2020 4:57:23 PM

Quant Time: Sep 03 03:53:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	49261	20.135	ug/l	95
94) Hexachlorobutadiene	15.27	225	32296	20.364	ug/l	97
95) Naphthalene	15.41	128	77549	20.392	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	44273	20.943	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion:168 Resp: 165722

Ion Ratio Lower Upper

168 100

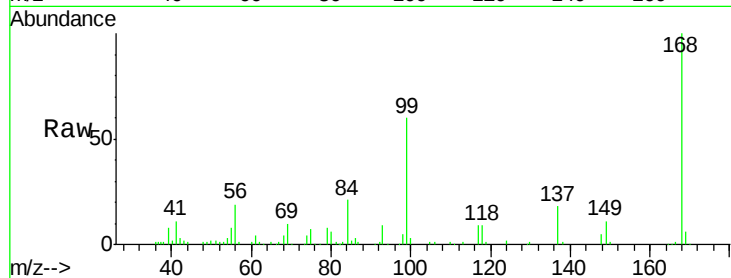
99 59.5 45.1 67.7

Manual Integrations

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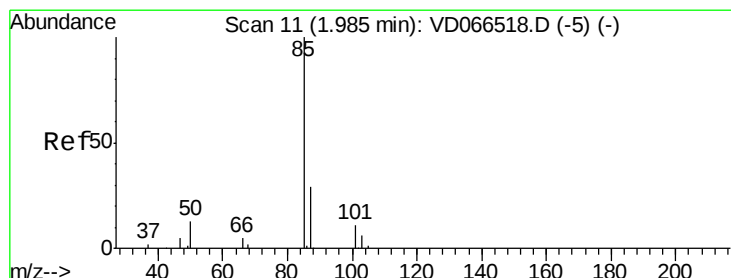
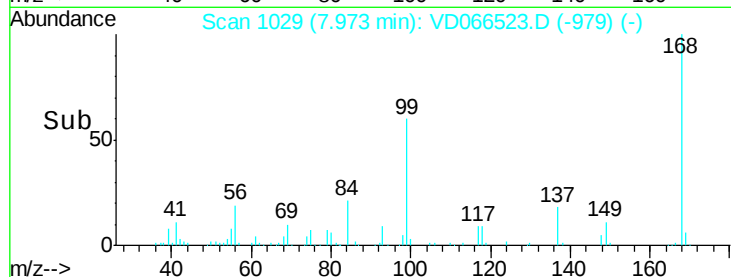
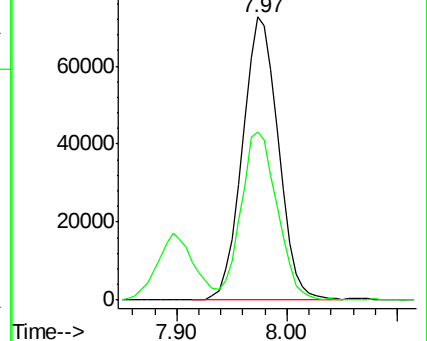
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.188 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066523.D

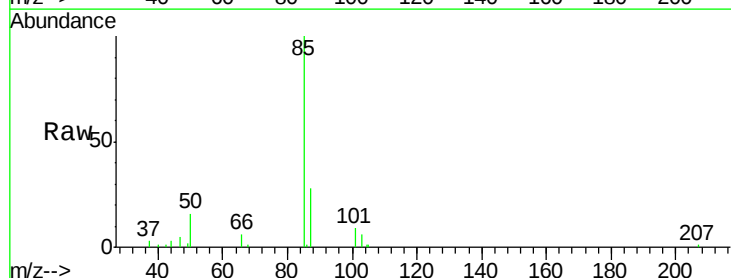
Acq: 02 Sep 2020 15:26

Tgt Ion: 85 Resp: 31369

Ion Ratio Lower Upper

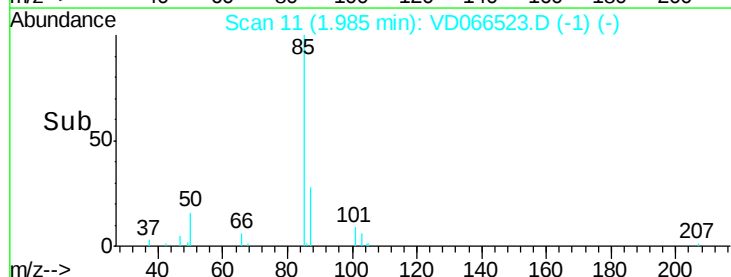
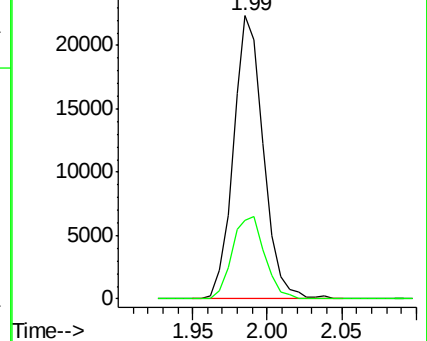
85 100

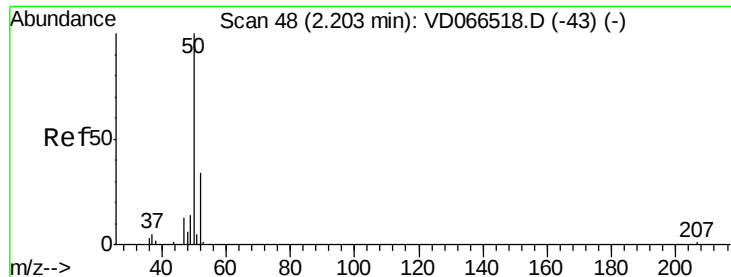
87 27.6 14.6 44.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.688 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion: 50 Resp: 19283

Ion Ratio Lower Upper

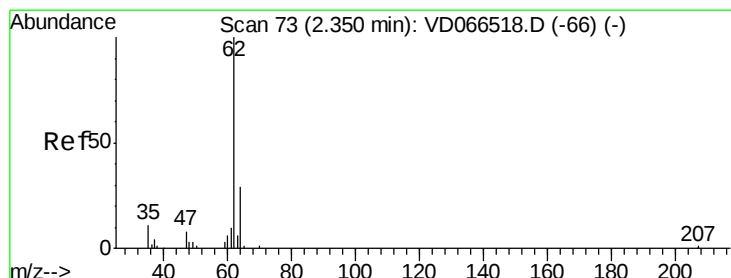
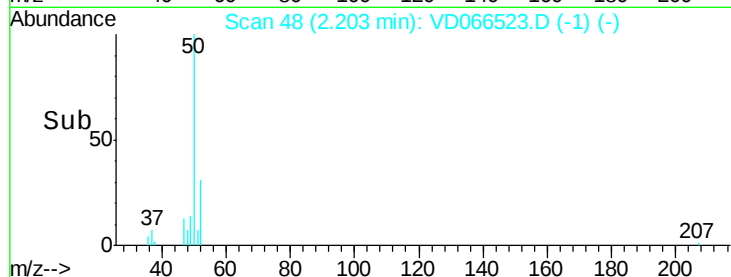
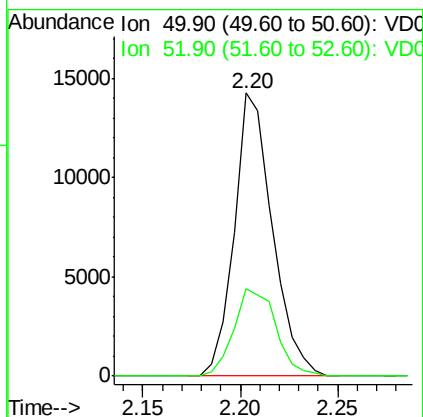
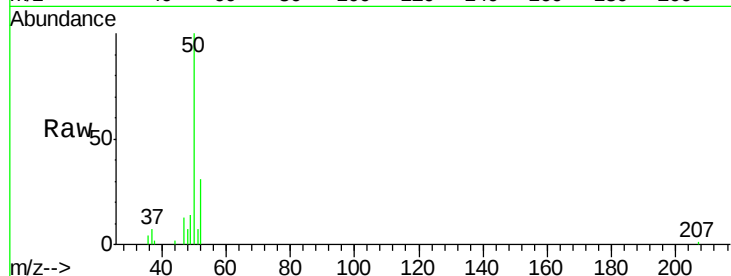
50 100

52 31.1 27.6 41.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.651 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066523.D

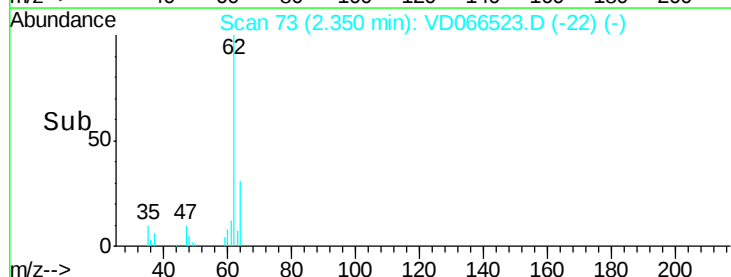
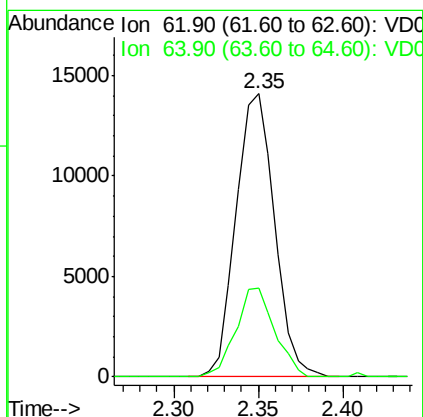
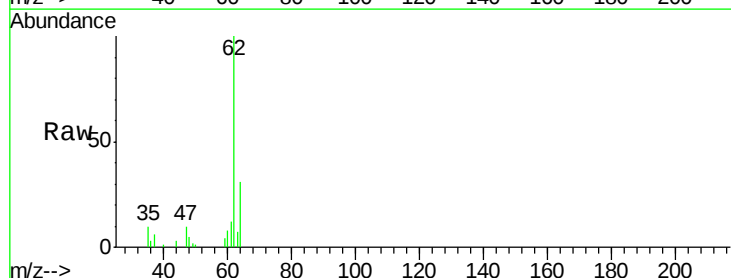
Acq: 02 Sep 2020 15:26

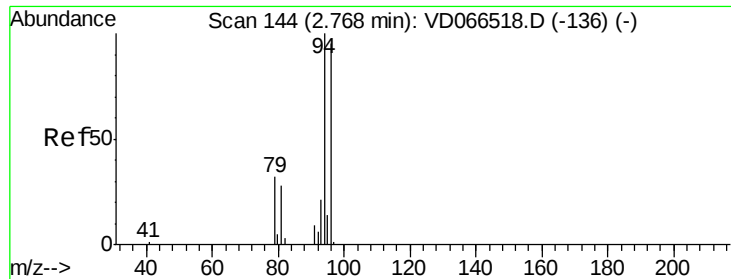
Tgt Ion: 62 Resp: 22440

Ion Ratio Lower Upper

62 100

64 31.3 23.4 35.2





#5

Bromomethane

Concen: 21.835 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

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VD0902SBS01

Tot Ion: 94 Resp: 18496

Ion Ratio Lower Upper

94 100

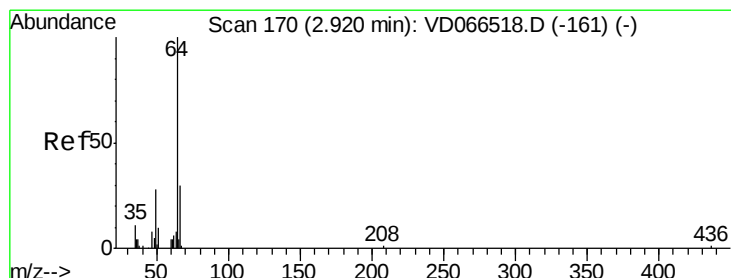
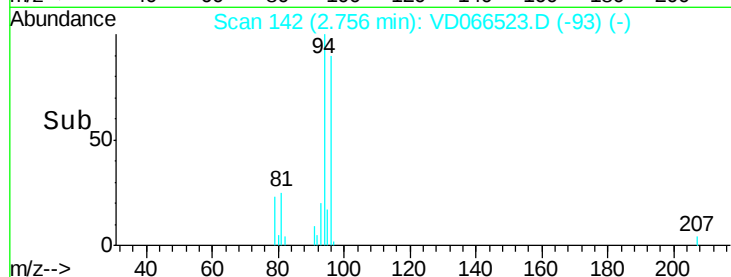
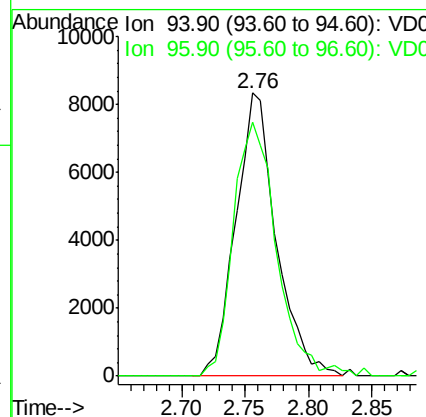
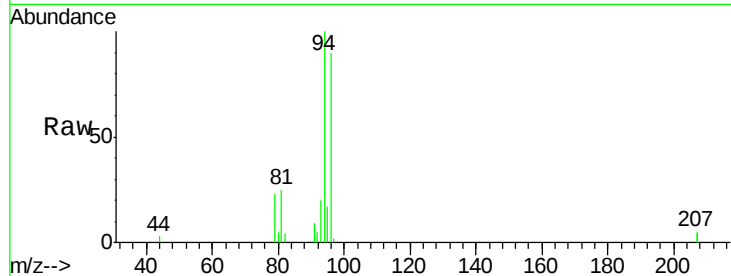
96 89.6 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 18.752 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066523.D

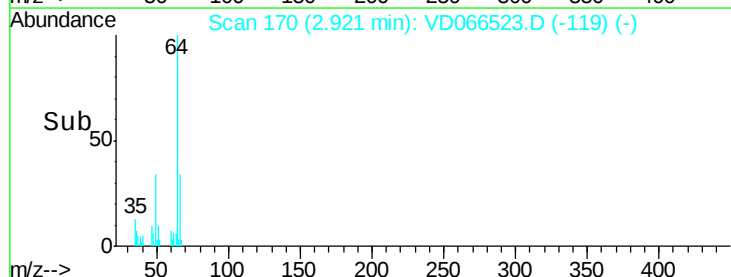
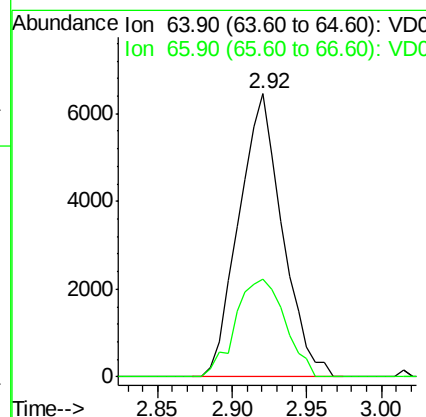
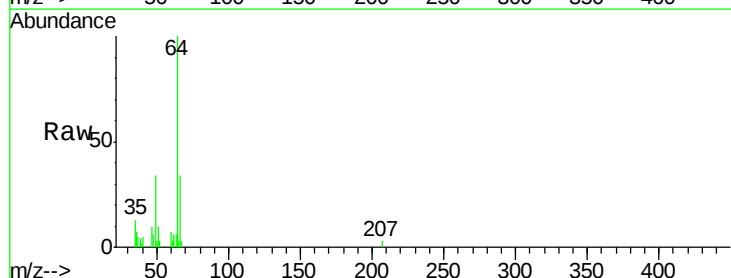
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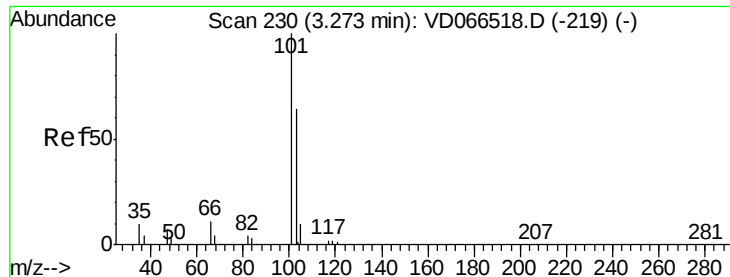
Tgt Ion: 64 Resp: 13076

Ion Ratio Lower Upper

64 100

66 34.4 23.7 35.5





#7

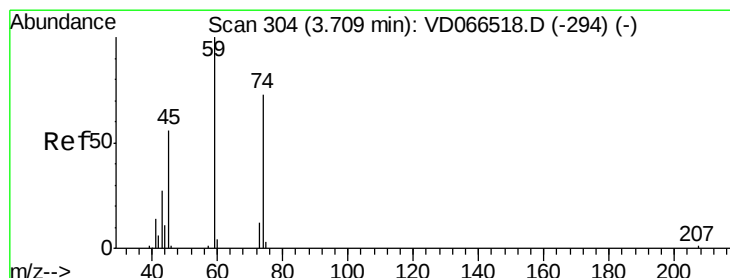
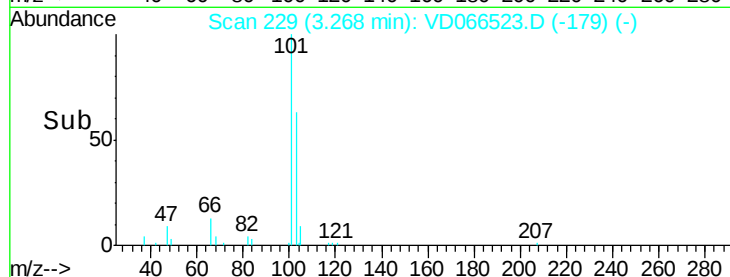
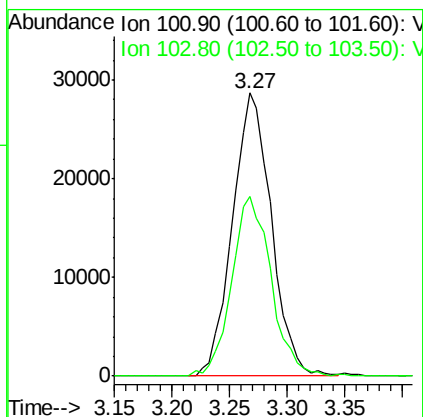
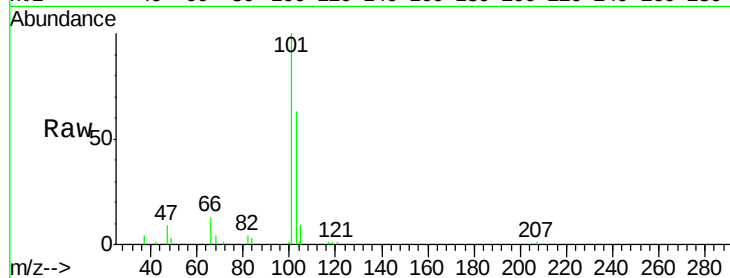
Trichlorofluoromethane
Concen: 21.270 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

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VD0902SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.9	76.3

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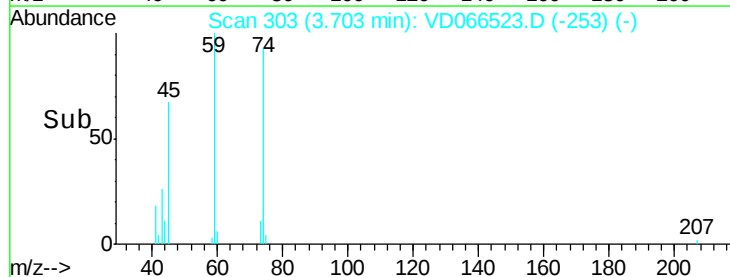
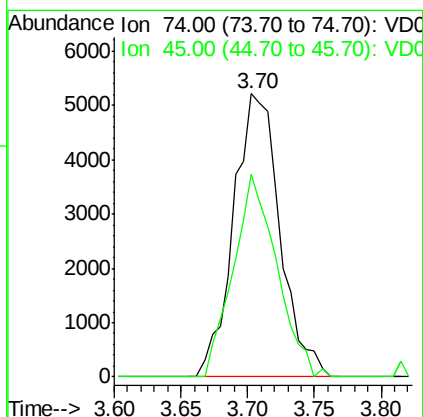
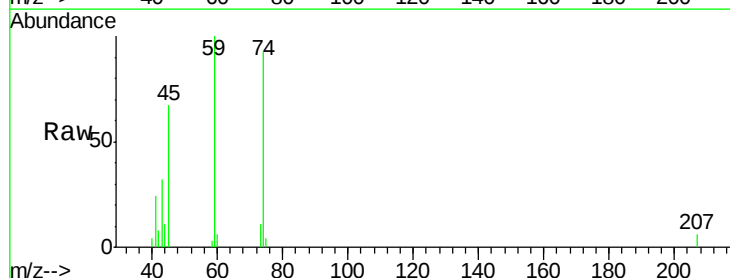
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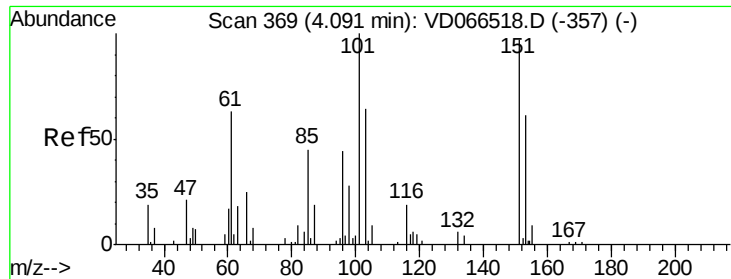


#8

Diethyl Ether
Concen: 21.226 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	67.4	38.6	115.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.115 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

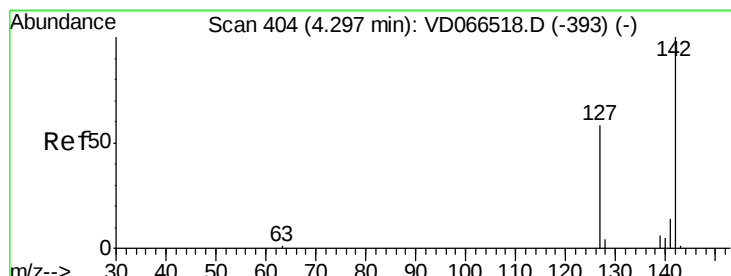
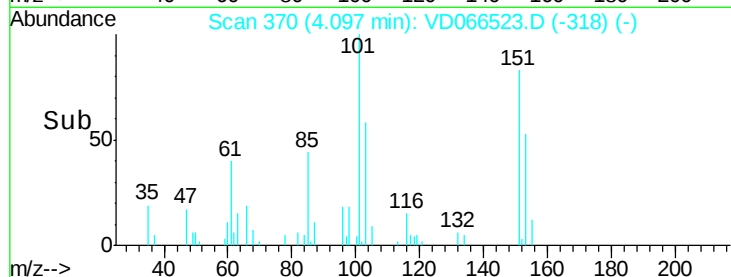
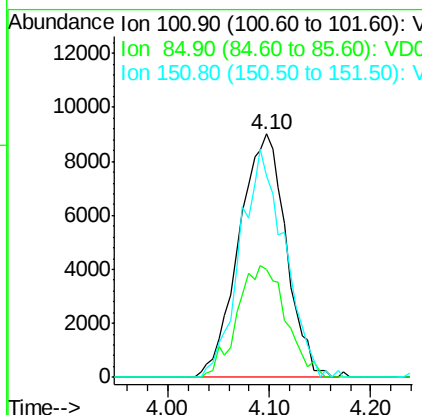
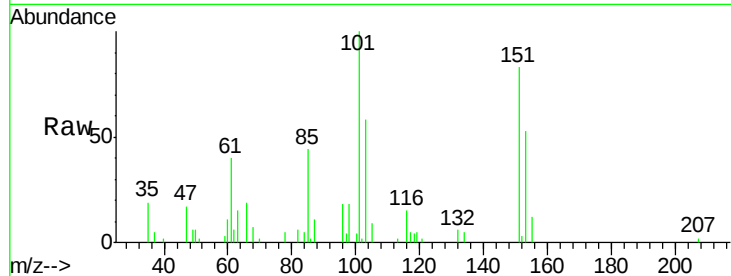
ClientSampleId :

VD0902SBS01

Tot Ion:	101	Resp:	29097
Ion Ratio	Lower	Upper	
101	100		
85	47.2	39.4	59.0
151	89.0	75.5	113.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.191 ug/l

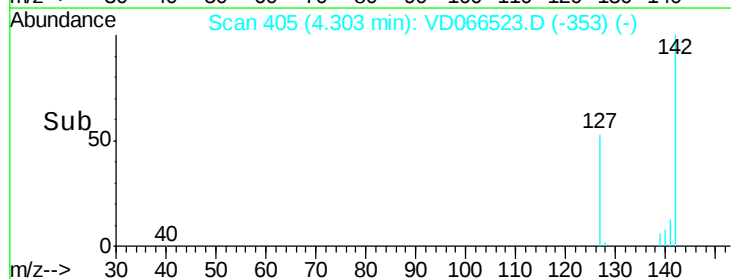
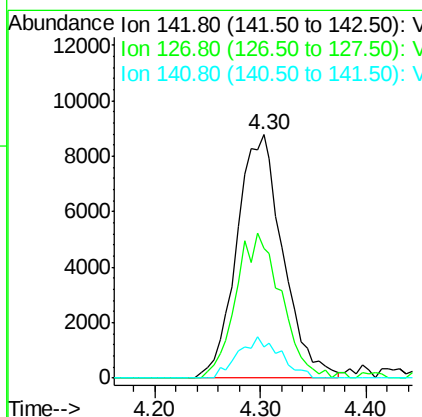
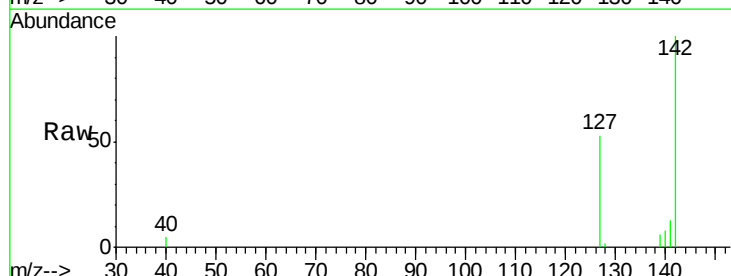
RT: 4.30 min Scan# 405

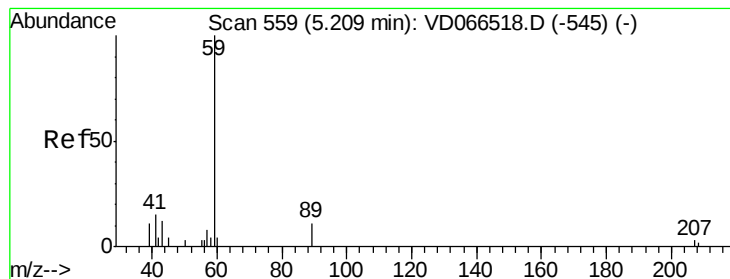
Delta R.T. 0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Tgt Ion:	142	Resp:	26540
Ion Ratio	Lower	Upper	
142	100		
127	58.4	46.3	69.5
141	15.3	12.4	18.6





#11

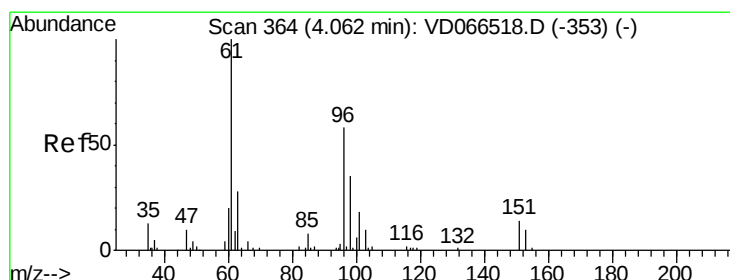
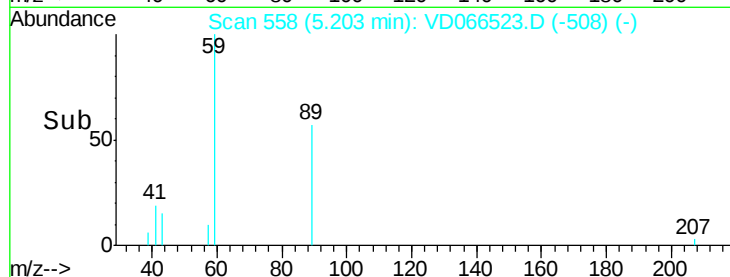
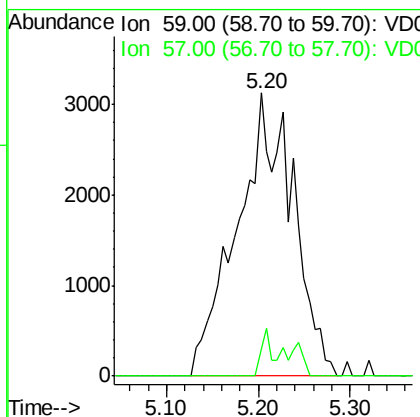
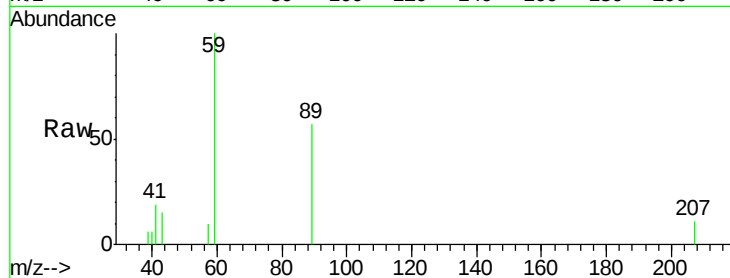
Tert butyl alcohol
 Concen: 114.966 ug/l m
 RT: 5.20 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.1	6.8	10.2#

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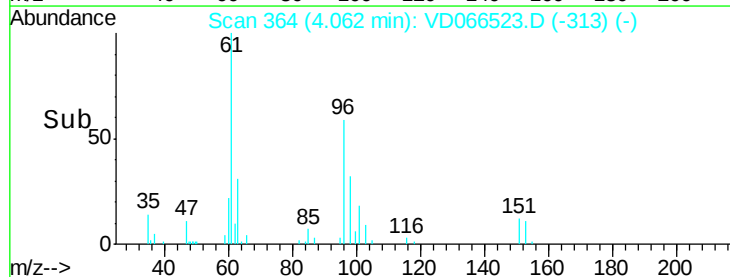
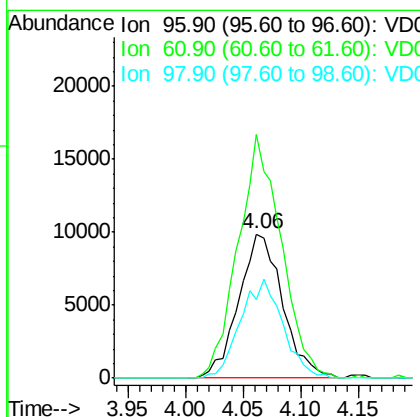
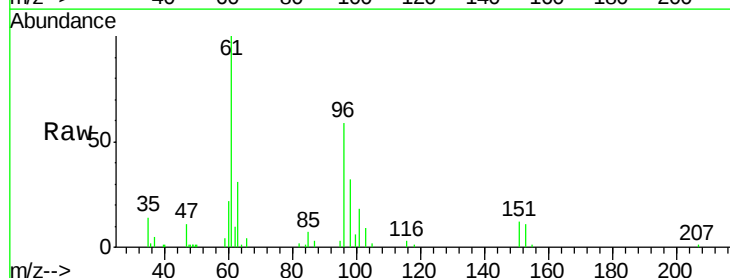
MMDadoda
 9/3/2020 4:57:23 PM

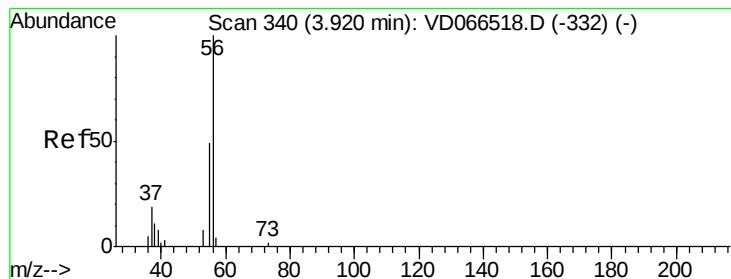


#12

1,1-Dichloroethene
 Concen: 21.041 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.4	137.5	206.3
98	55.0	47.8	71.6





#13

Acrolein

Concen: 104.405 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion: 56 Resp: 6044

Ion Ratio Lower Upper

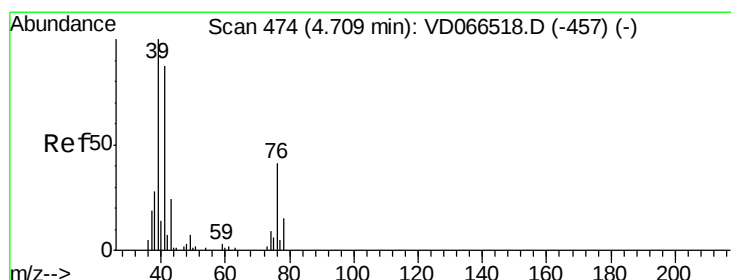
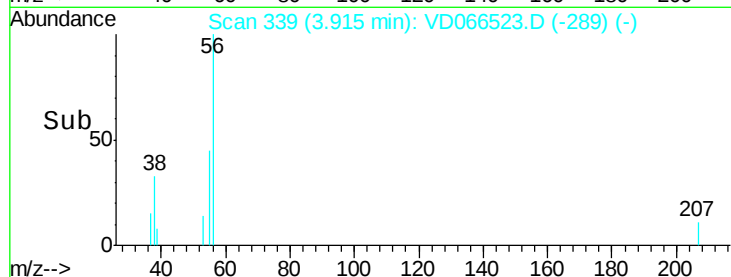
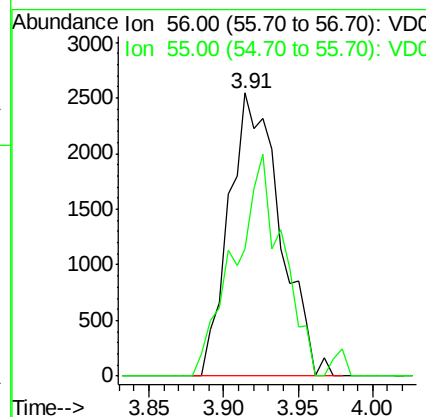
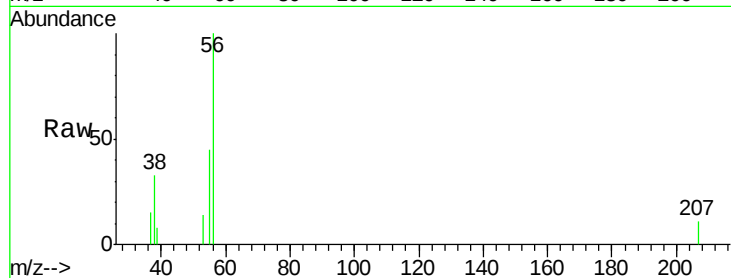
56 100

55 73.5 53.0 79.4

Manual Integrations
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#14

Allyl chloride

Concen: 21.996 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

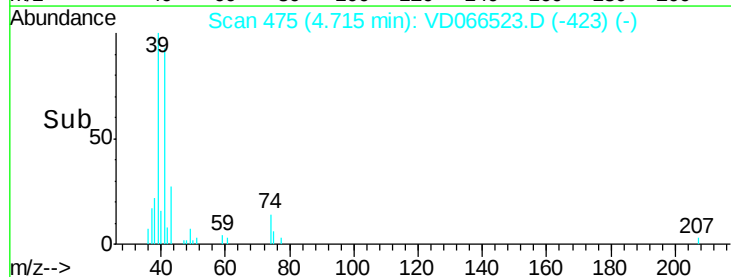
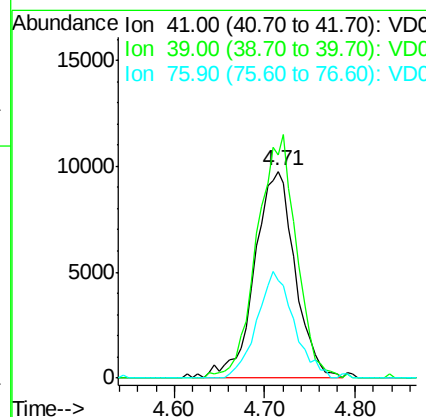
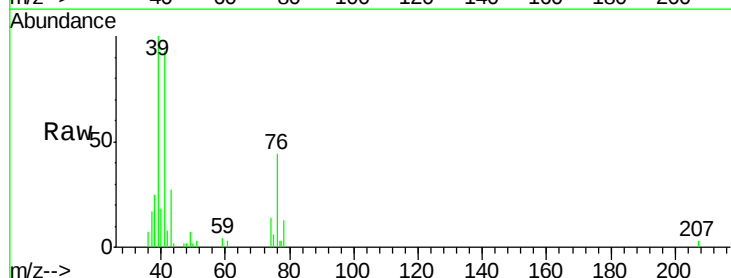
Tgt Ion: 41 Resp: 30401

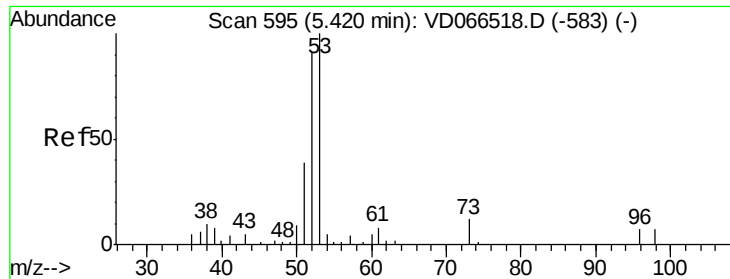
Ion Ratio Lower Upper

41 100

39 114.3 93.8 140.8

76 47.1 39.4 59.0





#15

Acrylonitrile

Concen: 107.997 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

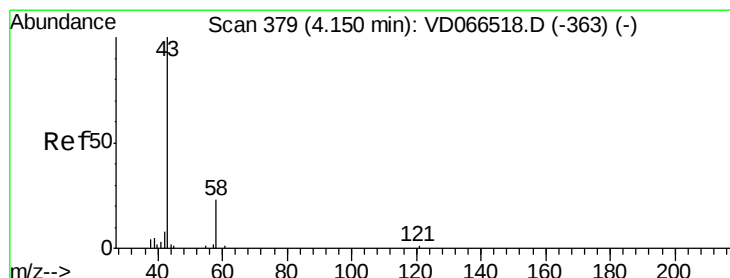
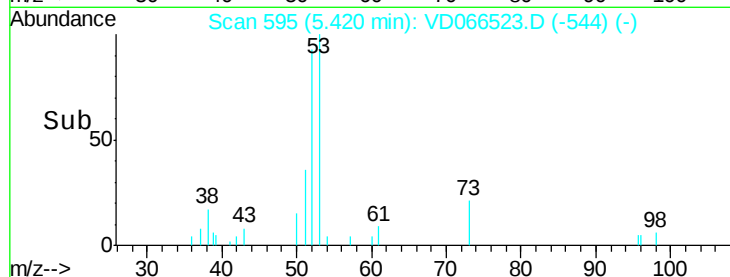
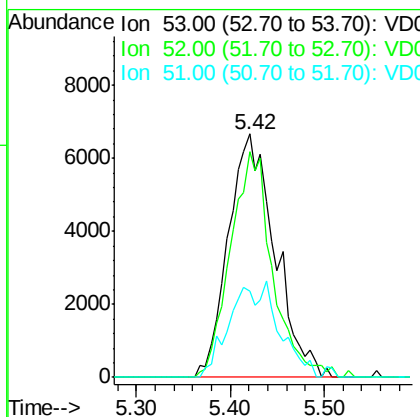
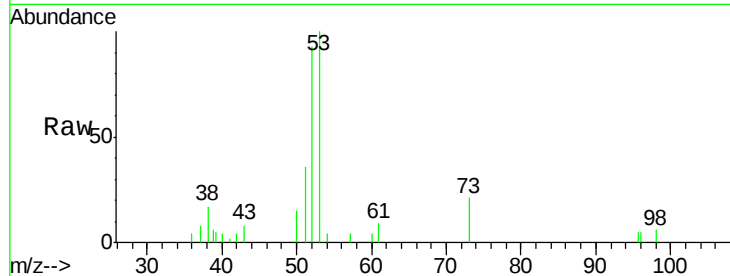
ClientSampleId :

VD0902SBS01

Tot Ion:	53	Resp:	22933
Ion	Ratio	Lower	Upper
53	100		
52	83.8	71.0	106.4
51	22.6	35.8	53.6#

Manual Integrations
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#16

Acetone

Concen: 100.562 ug/l

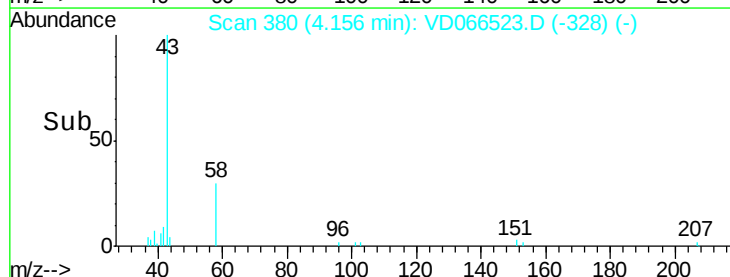
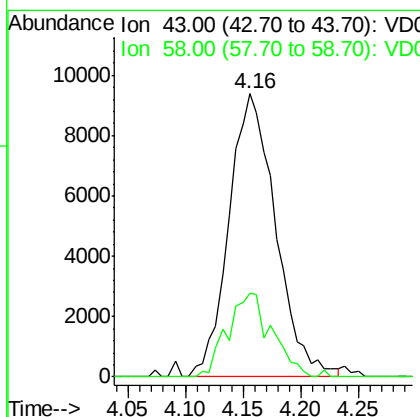
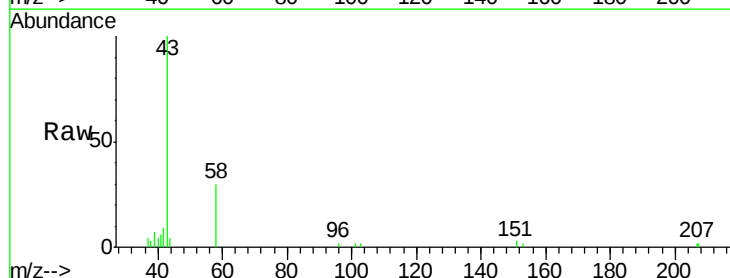
RT: 4.16 min Scan# 380

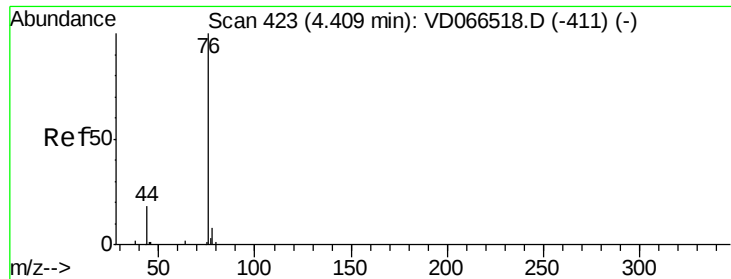
Delta R.T. 0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Tgt Ion:	43	Resp:	26506
Ion	Ratio	Lower	Upper
43	100		
58	29.6	18.1	27.1#





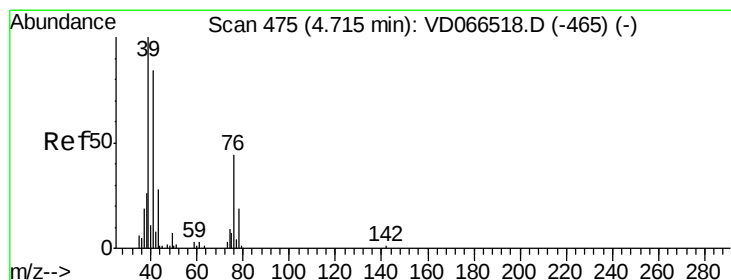
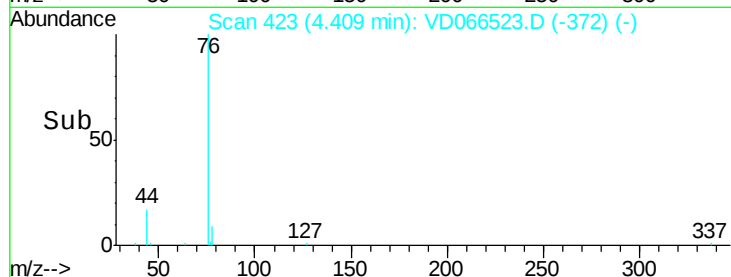
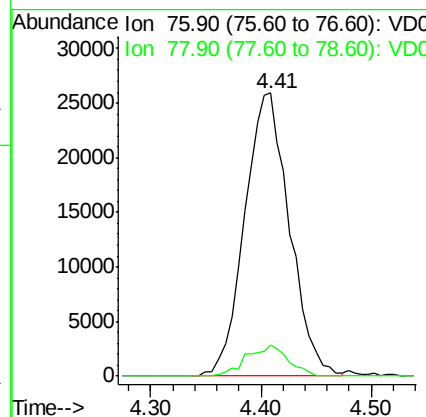
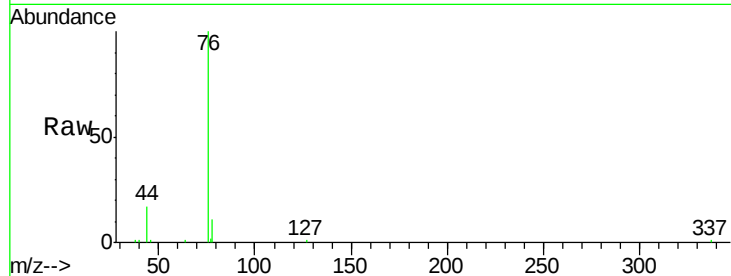
#17
Carbon Disulfide
Concen: 20.618 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion: 76 Resp: 73670
Ion Ratio Lower Upper
76 100
78 10.8 6.2 9.4#

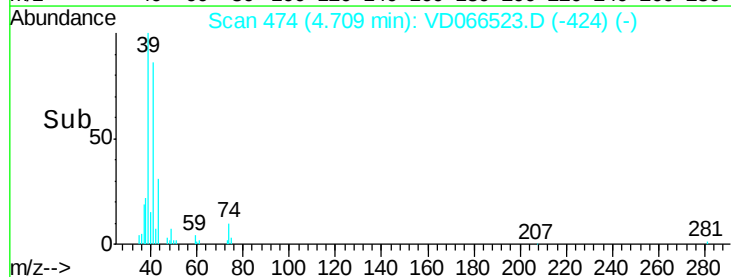
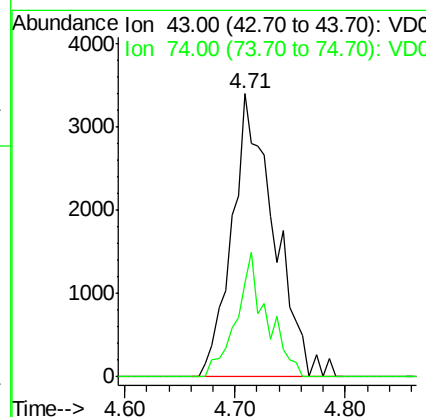
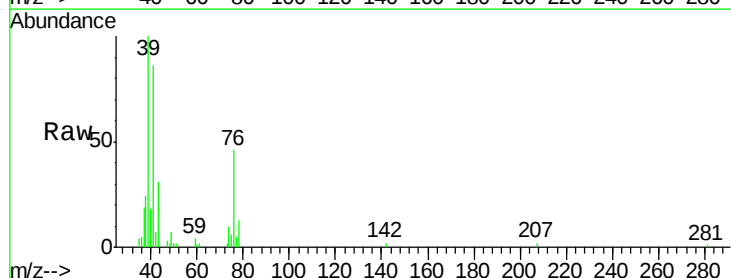
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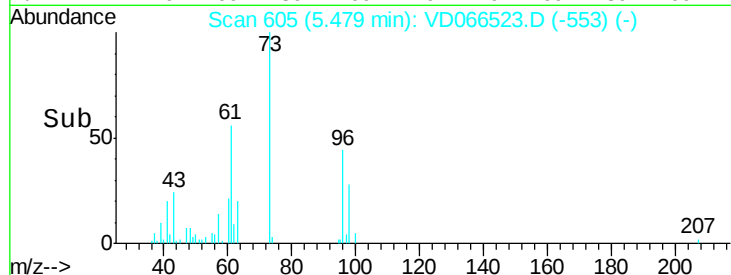
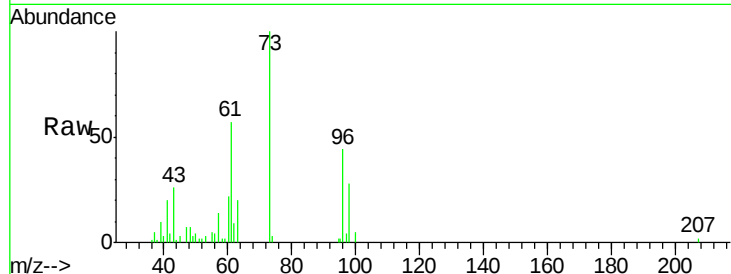
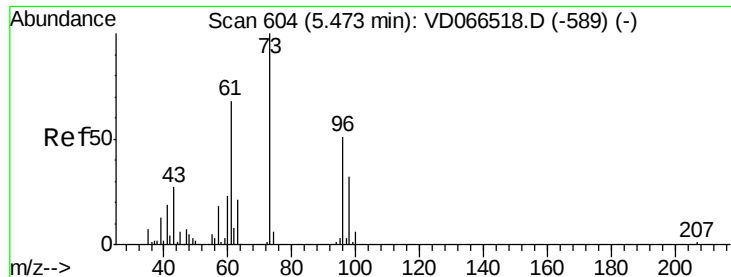
MMDadoda
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#18
Methyl Acetate
Concen: 21.426 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion: 43 Resp: 9068
Ion Ratio Lower Upper
43 100
74 32.1 26.3 39.5





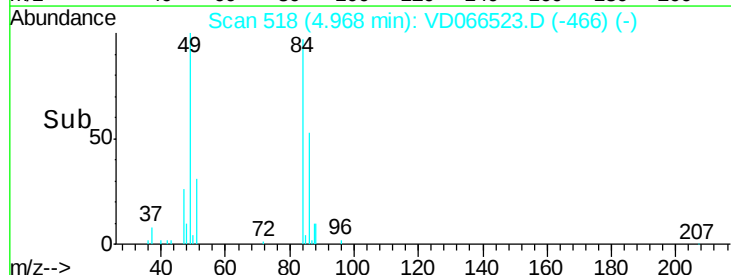
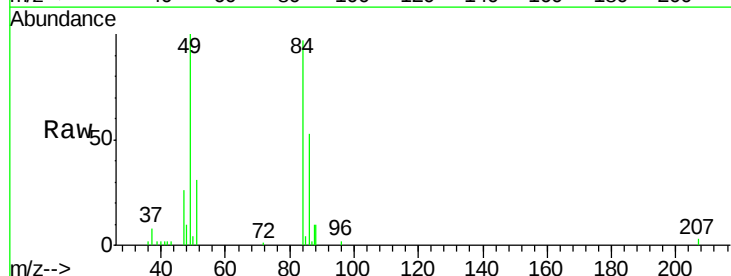
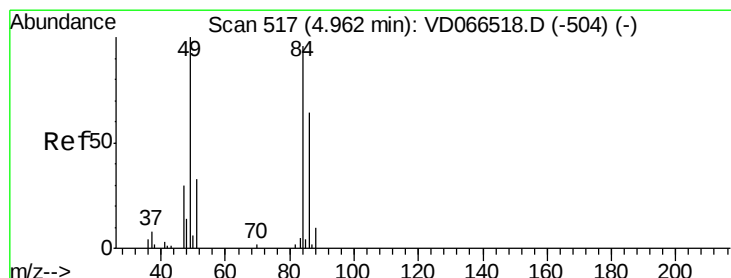
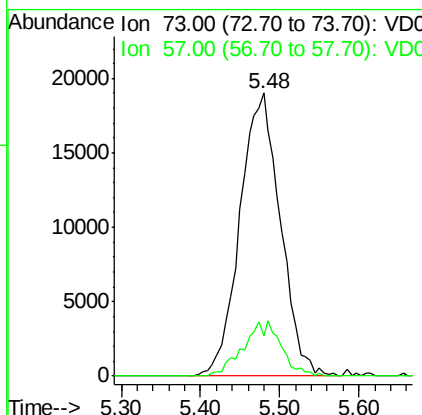
#19
Methvl tert-butvl Ether
Concen: 20.889 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tot Ion: 73 Resp: 67391
Ion Ratio Lower Upper
73 100
57 14.0 14.6 22.0#

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

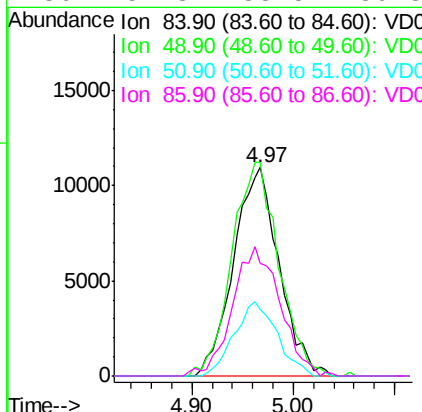
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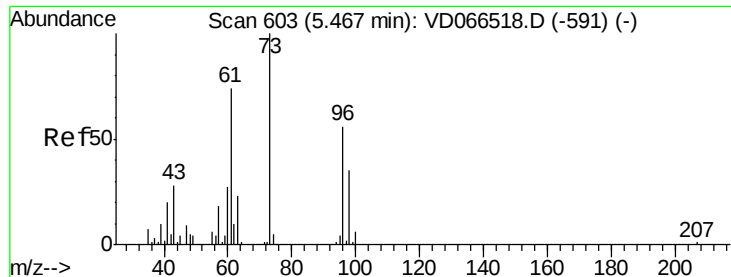
MMDadoda
9/3/2020 4:57:23 PM



#20
Methylene Chloride
Concen: 23.524 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion: 84 Resp: 34103
Ion Ratio Lower Upper
84 100
49 102.6 83.5 125.3
51 32.2 27.8 41.8
86 54.3 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 20.178 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

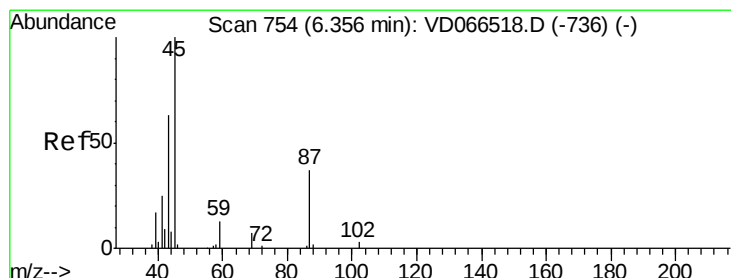
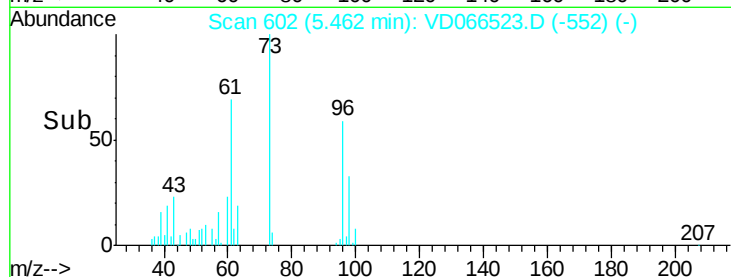
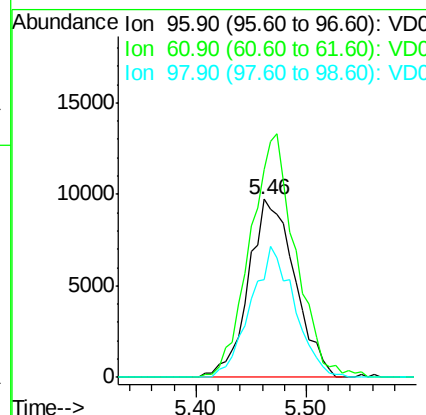
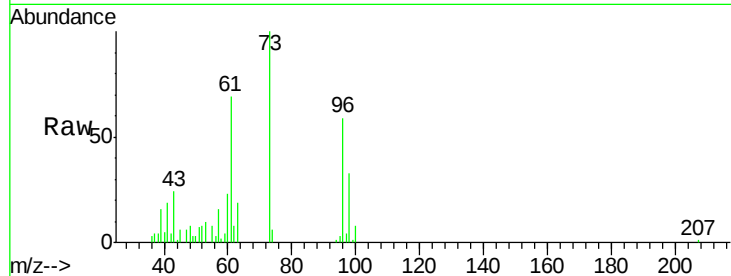
ClientSampleId :

VD0902SBS01

Tot Ion:	96	Resp:	28537
Ion	Ratio	Lower	Upper
96	100		
61	116.7	106.6	160.0
98	55.1	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.900 ug/l

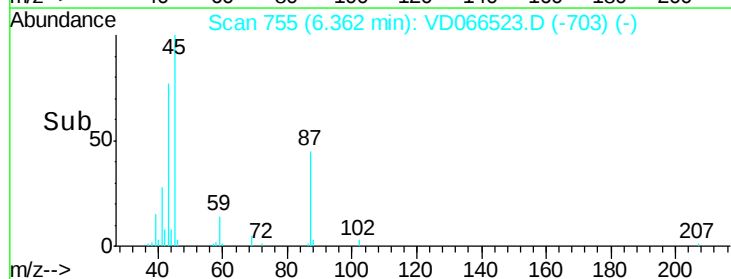
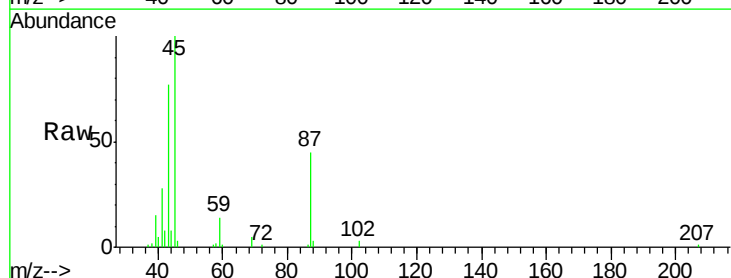
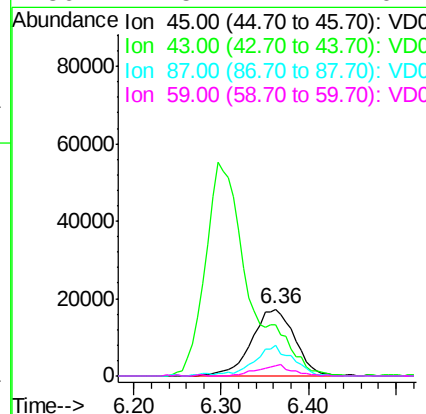
RT: 6.36 min Scan# 755

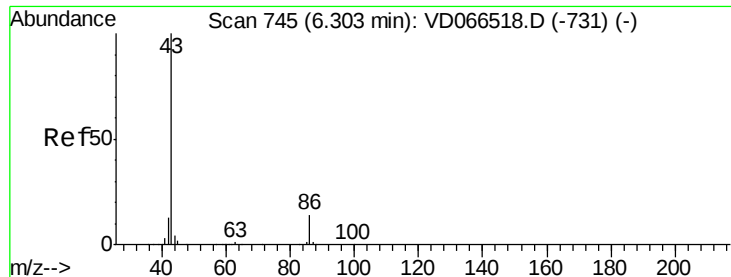
Delta R.T. 0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Tgt Ion:	45	Resp:	57893
Ion	Ratio	Lower	Upper
45	100		
43	74.6	53.4	80.0
87	44.4	30.2	45.4
59	14.5	11.1	16.7





#23

Vinyl Acetate

Concen: 107.429 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion: 43 Resp: 191315

Ion Ratio Lower Upper

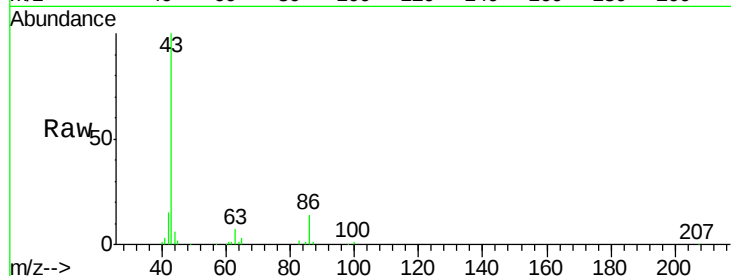
43 100

86 13.8 11.3 16.9

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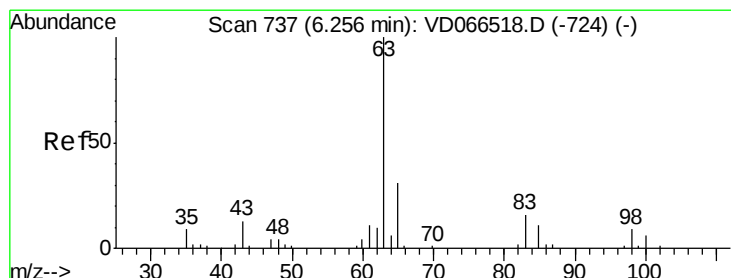
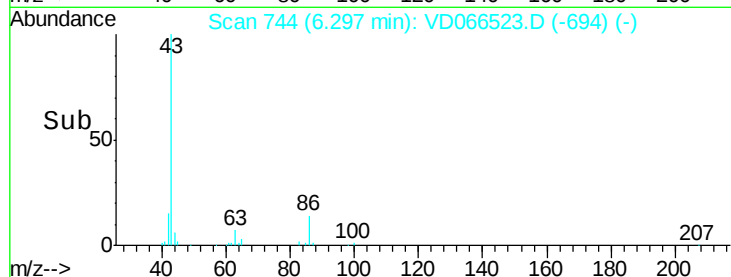
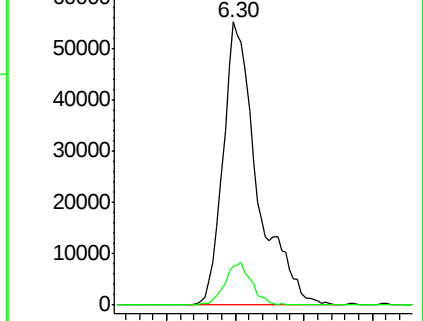
MMDadoda

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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: 20.869 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

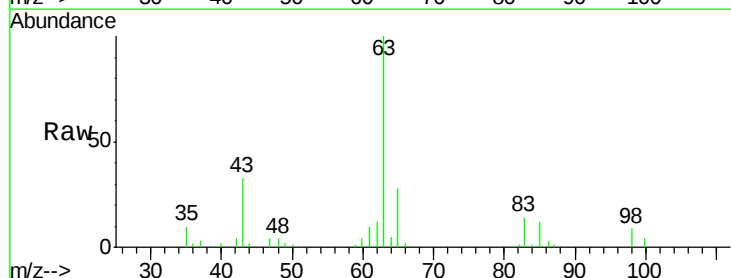
Tgt Ion: 63 Resp: 45401

Ion Ratio Lower Upper

63 100

98 9.0 4.3 13.1

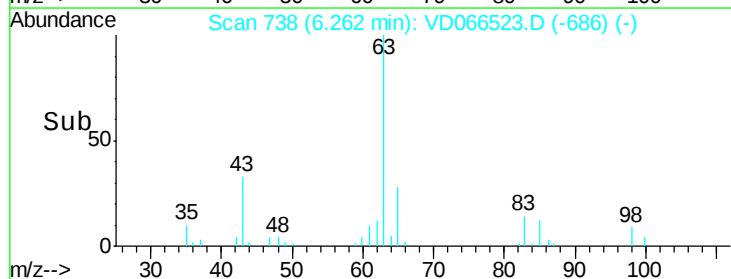
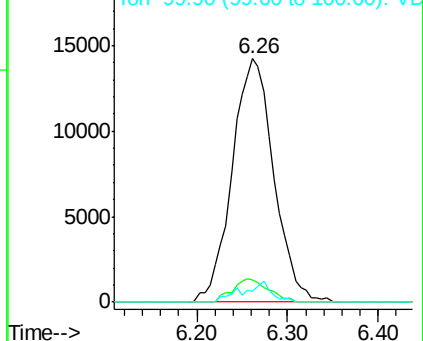
100 4.4 2.9 8.7

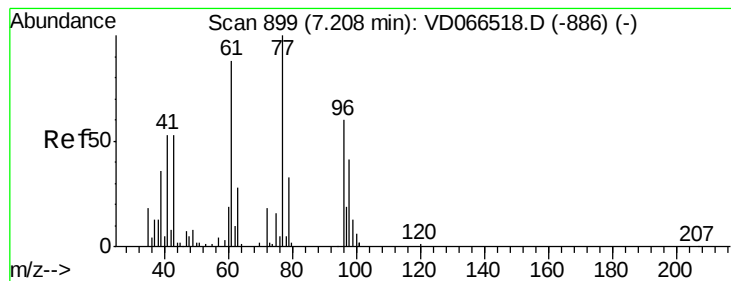


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 104.574 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion: 43 Resp: 28529

Ion Ratio Lower Upper

43 100

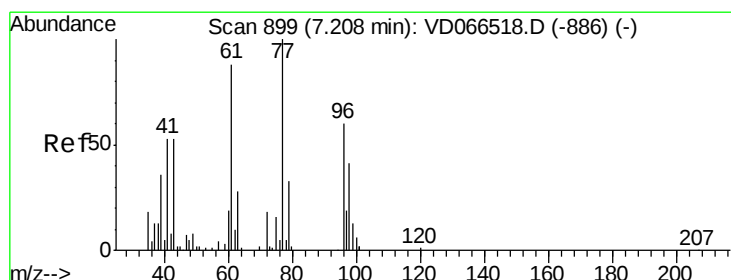
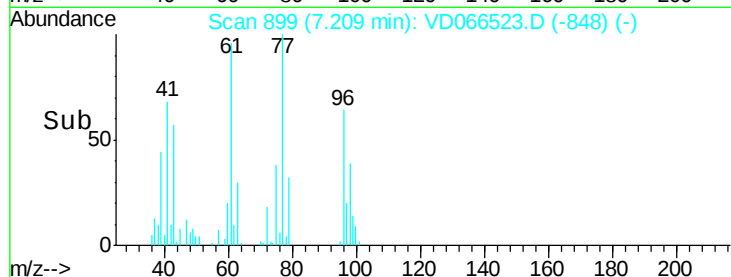
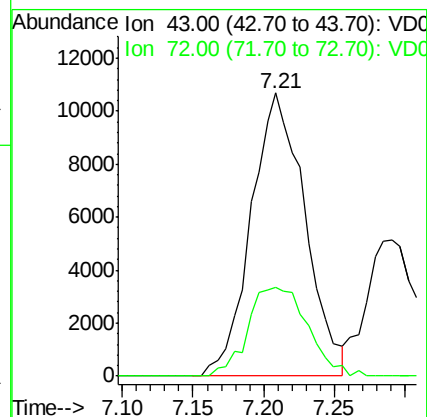
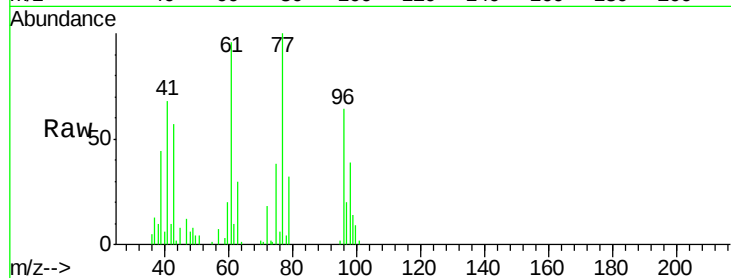
72 31.6 26.8 40.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.578 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066523.D

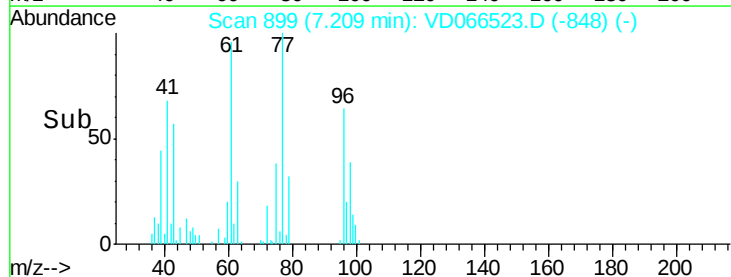
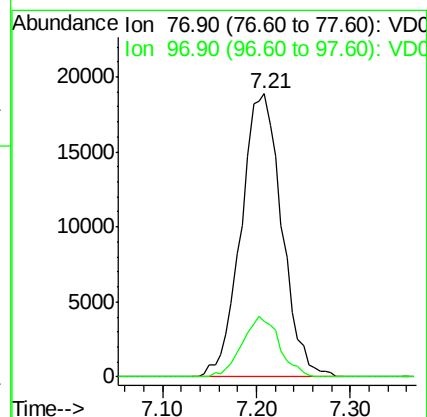
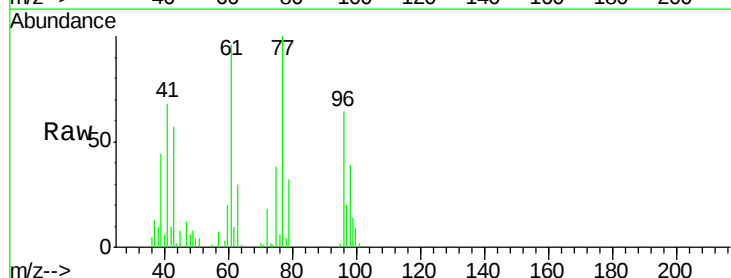
Acq: 02 Sep 2020 15:26

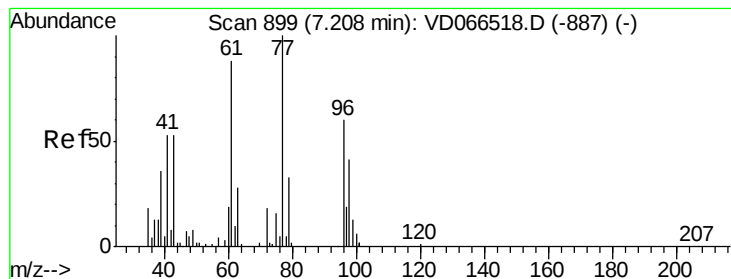
Tgt Ion: 77 Resp: 56727

Ion Ratio Lower Upper

77 100

97 19.5 10.2 30.4





#27

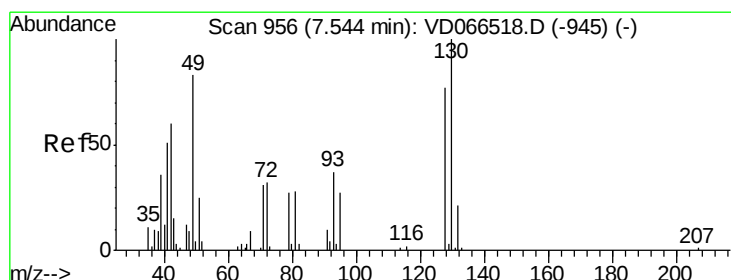
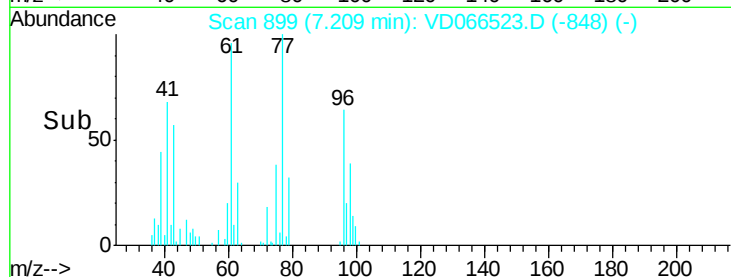
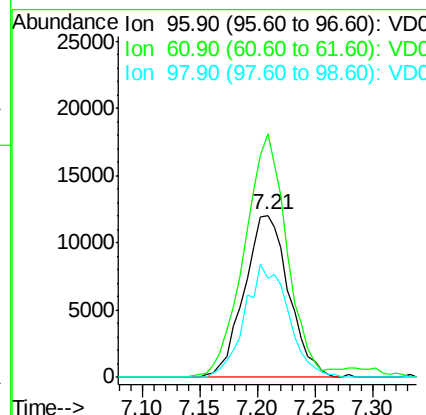
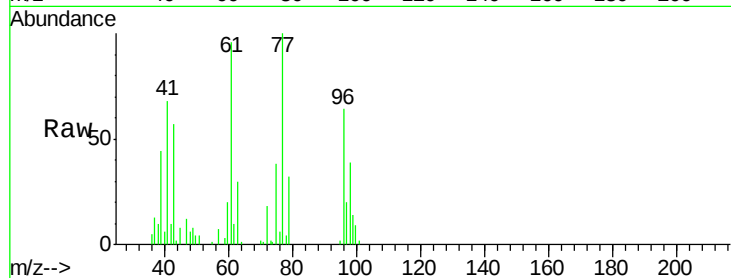
cis-1,2-Dichloroethene
 Concen: 21.102 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	292.8
98	67.8	0.0	130.2

Manual Integrations
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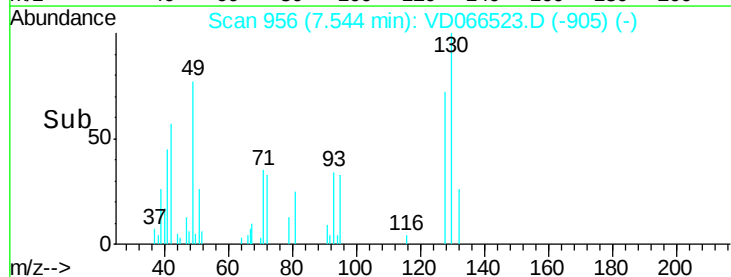
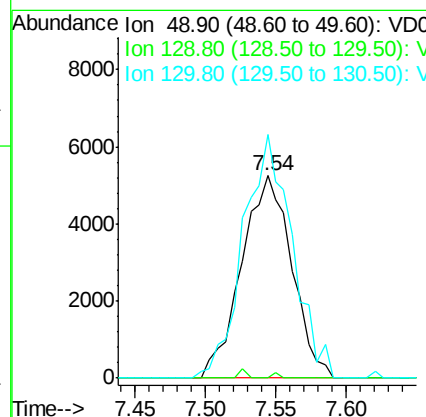
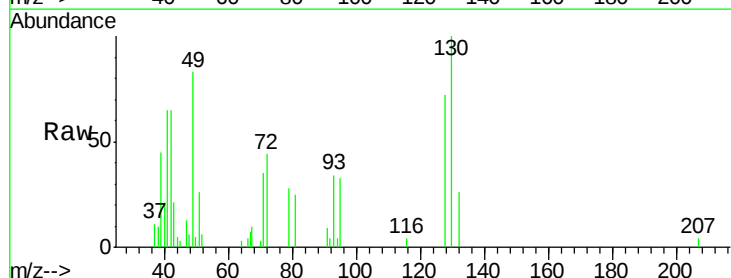
MMDadoda
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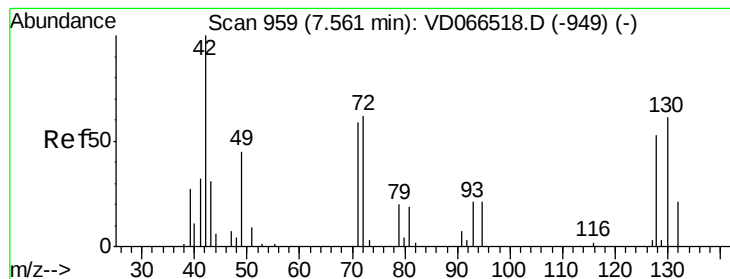


#28

Bromochloromethane
 Concen: 20.740 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.2
130	116.7	98.0	147.0





#29

Tetrahydrofuran

Concen: 107.121 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

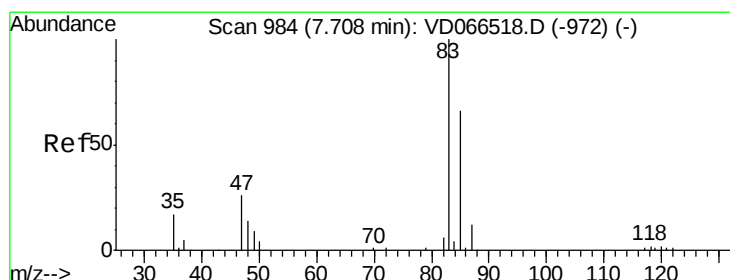
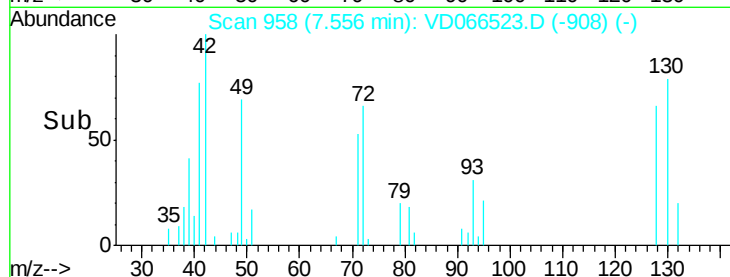
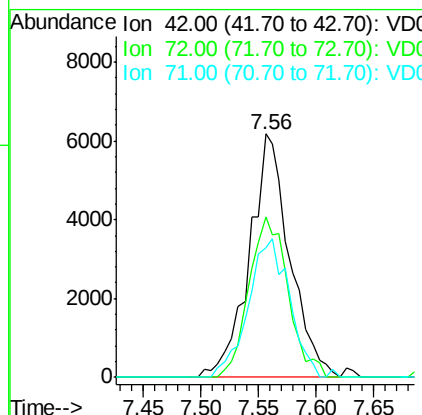
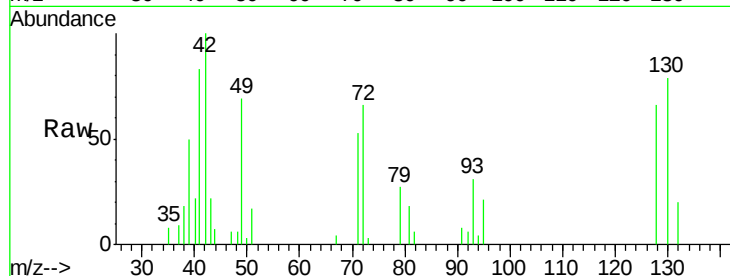
ClientSampleId :

VD0902SBS01

Tot Ion:	42	Resp:	15023
Ion	Ratio	Lower	Upper
42	100		
72	63.9	48.6	72.8
71	57.9	43.2	64.8

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#30

Chloroform

Concen: 20.709 ug/l

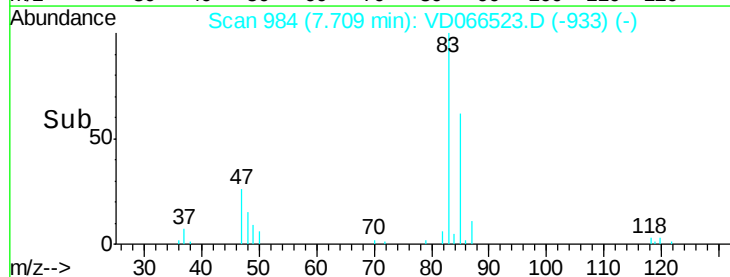
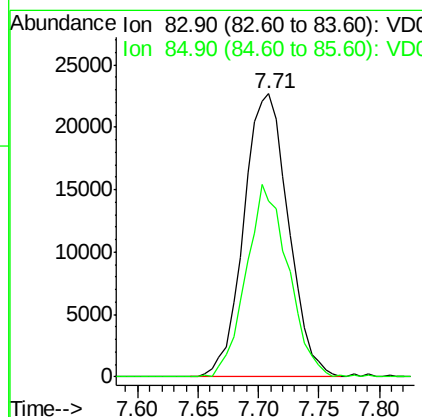
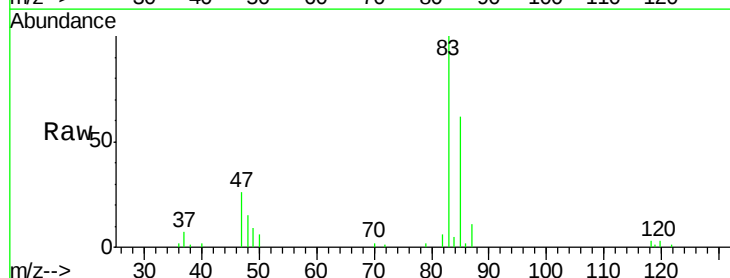
RT: 7.71 min Scan# 984

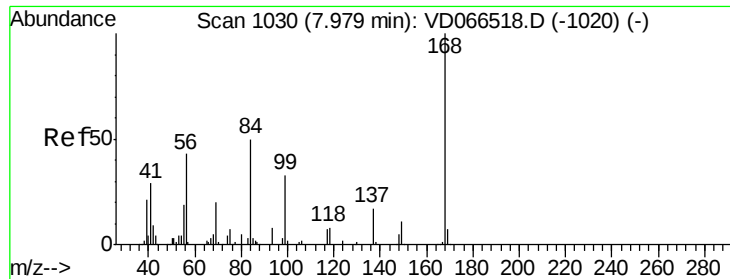
Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Tgt Ion:	83	Resp:	58175
Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.6	79.0





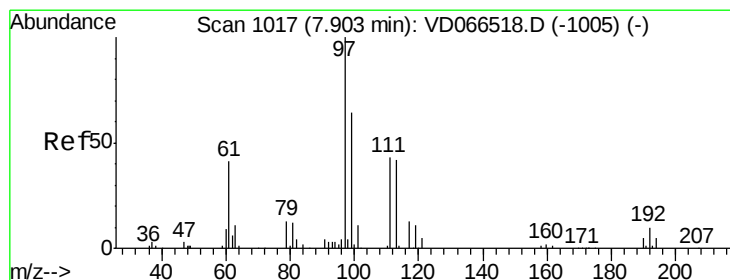
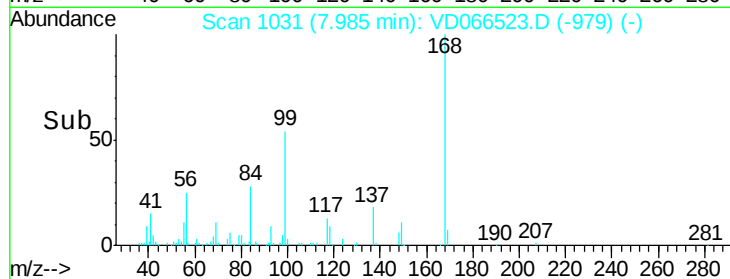
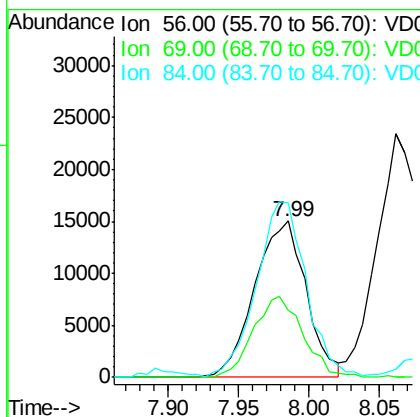
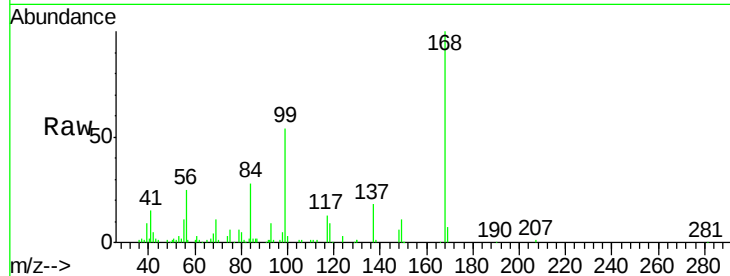
#31
Cyclohexane
Concen: 21.200 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	56	Resp	38414
Ion Ratio	Lower	Upper	
56	100		
69	42.7	36.8	55.2
84	109.7	93.4	140.0

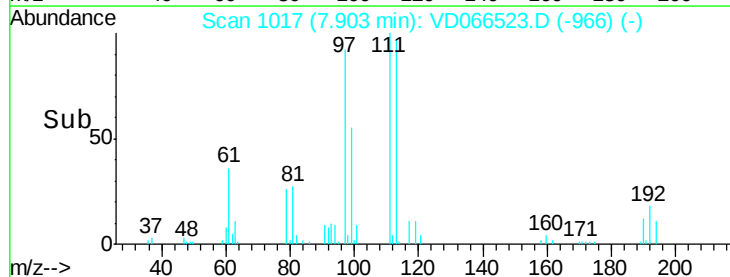
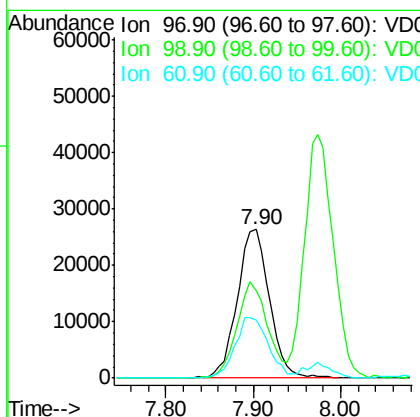
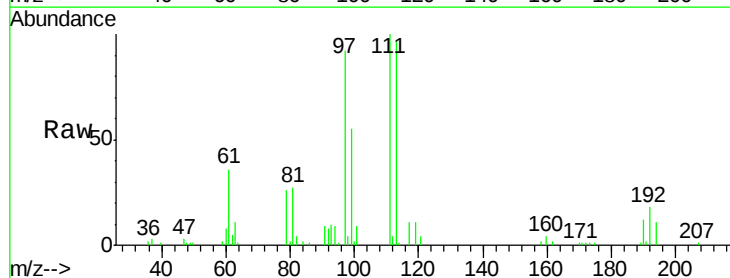
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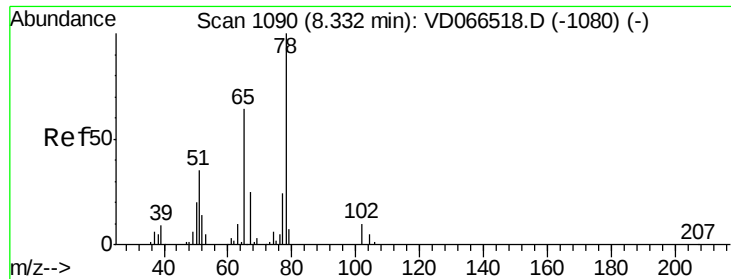
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.961 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion	97	Resp	65580
Ion Ratio	Lower	Upper	
97	100		
99	62.6	51.7	77.5
61	41.9	32.6	48.8





#33

1,2-Dichloroethane-d4

Concen: 55.027 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion: 65 Resp: 98072

Ion Ratio Lower Upper

65 100

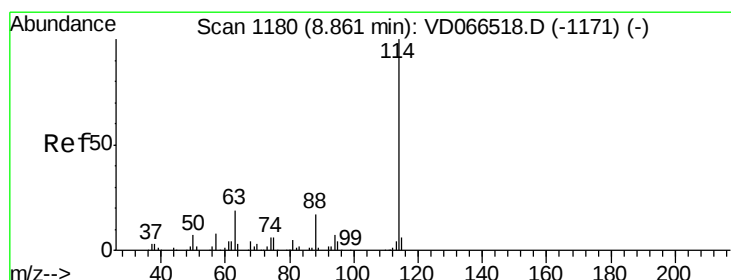
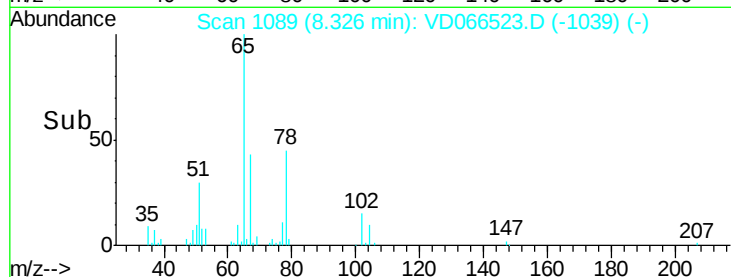
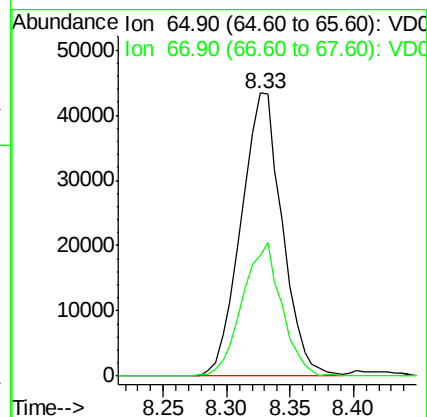
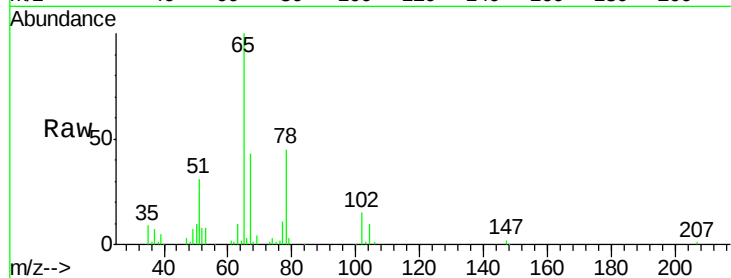
67 44.8 0.0 88.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

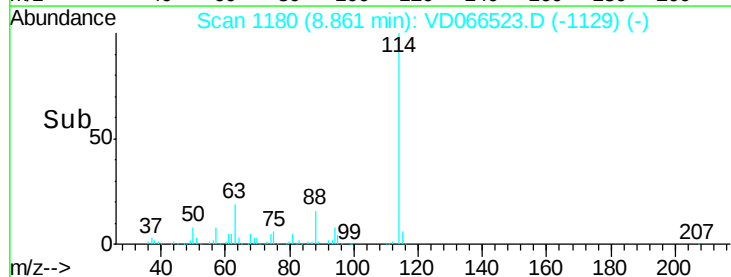
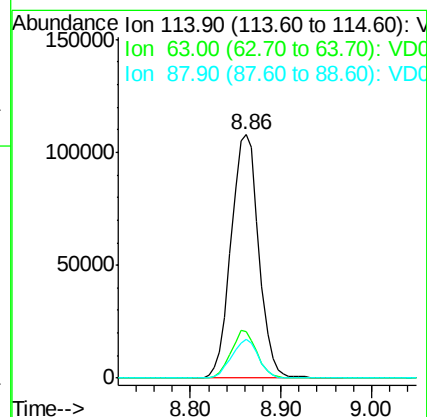
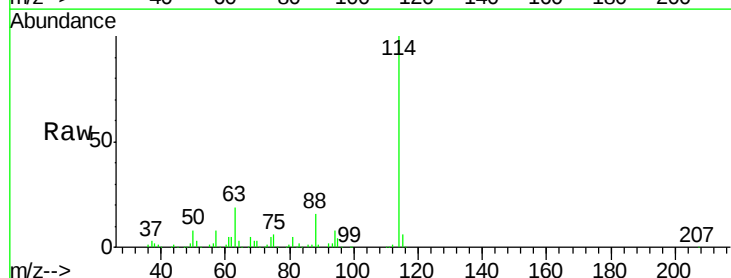
Tgt Ion: 114 Resp: 229017

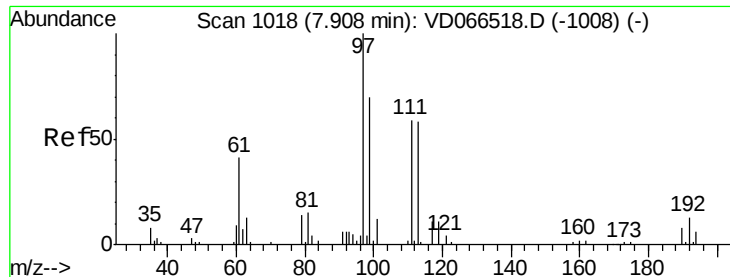
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

88 15.9 0.0 33.6





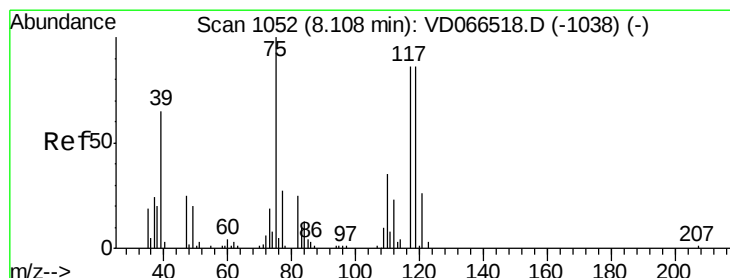
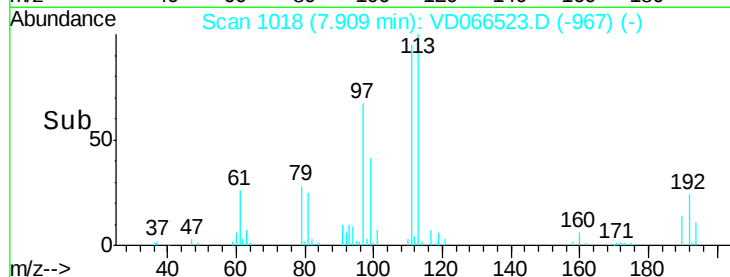
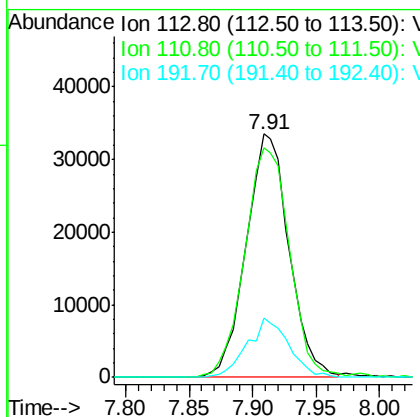
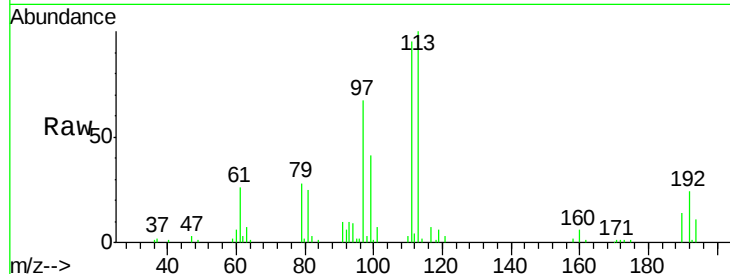
#35
Dibromofluoromethane
Concen: 57.073 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.6	82.5	123.7
192	23.6	20.7	31.1

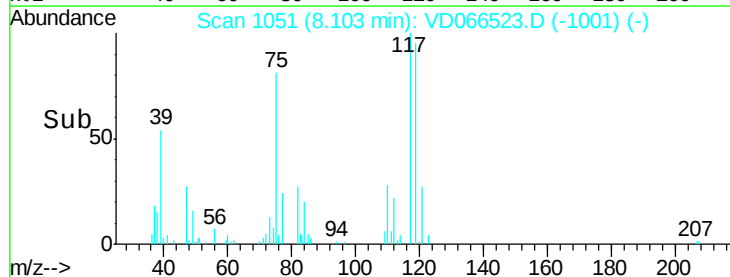
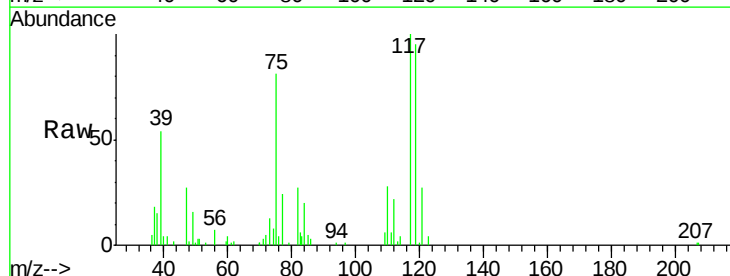
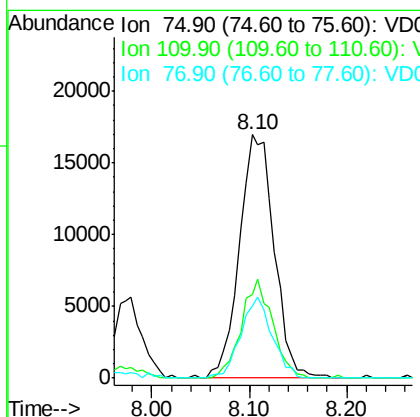
Manual Integrations
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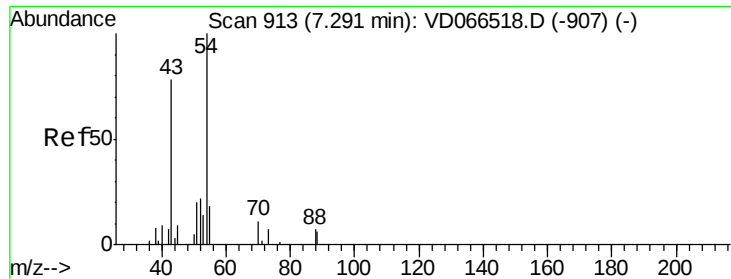
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#36
1,1-Dichloropropene
Concen: 21.099 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.4	55.2
77	29.9	24.6	36.8





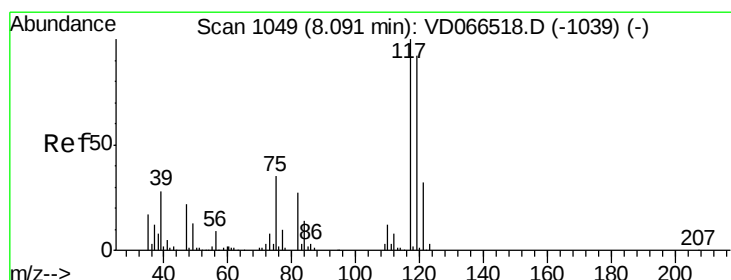
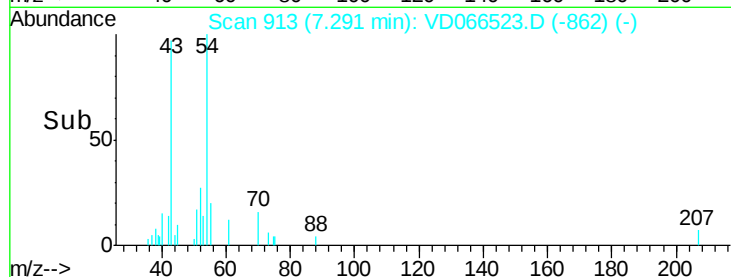
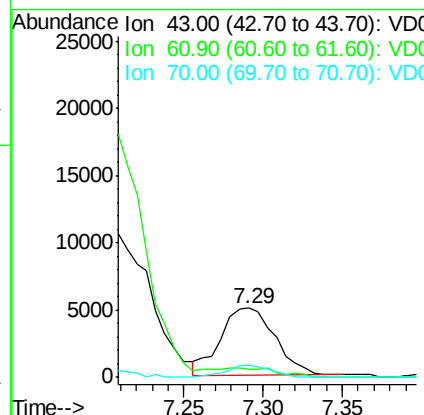
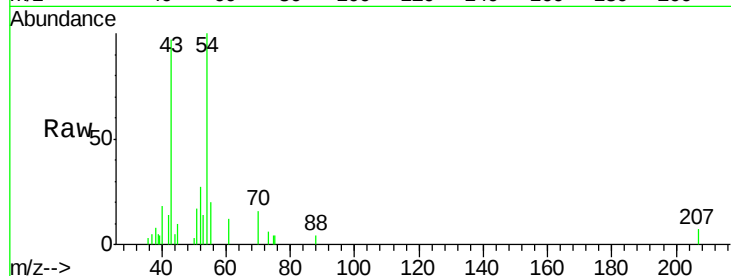
#37
Ethyl Acetate
Concen: 19.950 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	43	Resp	12022
Ion Ratio	100	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	14.3	10.2	15.2

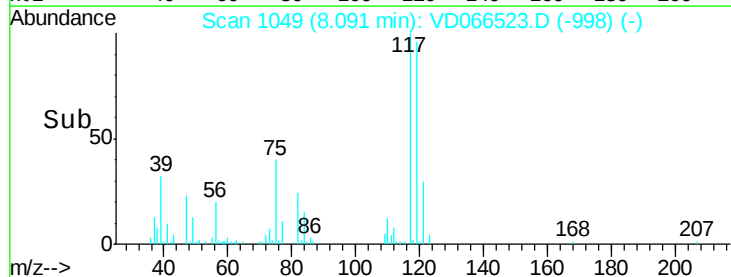
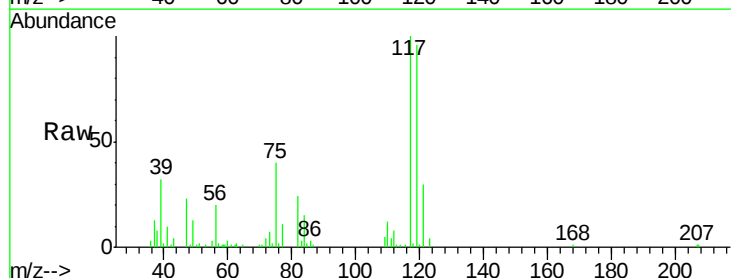
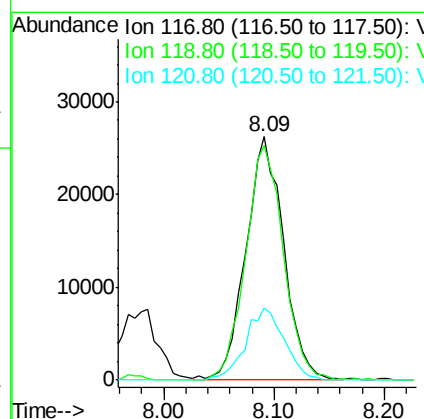
Manual Integrations
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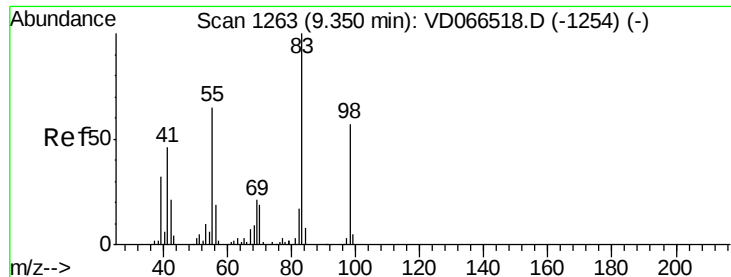
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#38
Carbon Tetrachloride
Concen: 20.601 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion	117	Resp	63003
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	96.4	73.9	110.9
121	29.7	25.6	38.4





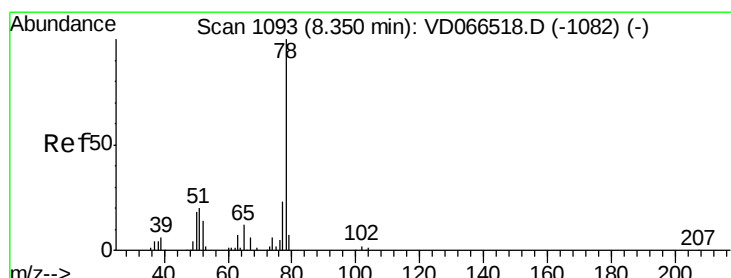
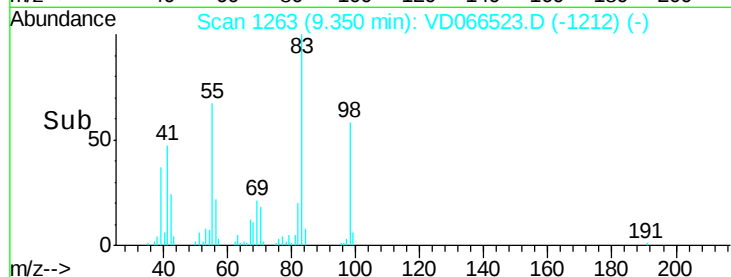
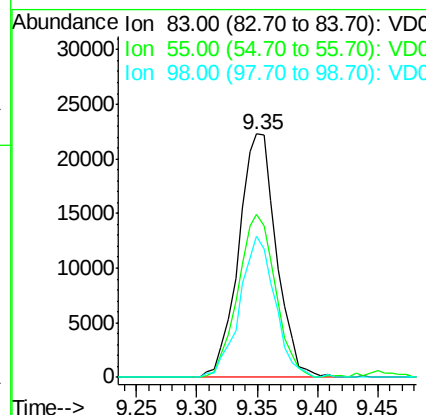
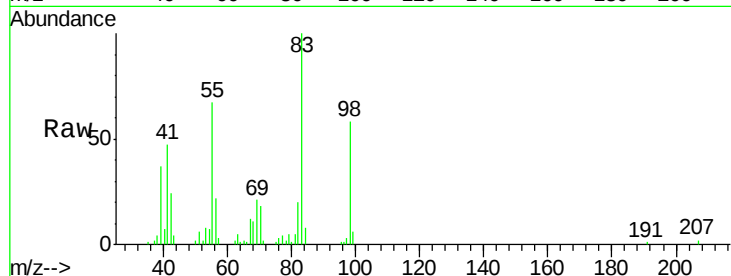
#39
Methvlcvclohexane
Concen: 20.741 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.7	52.2	78.2
98	58.0	45.6	68.4

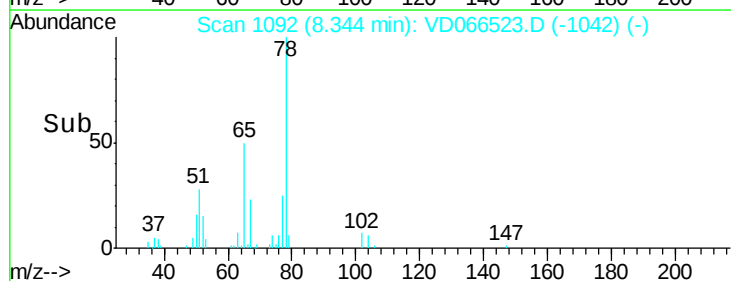
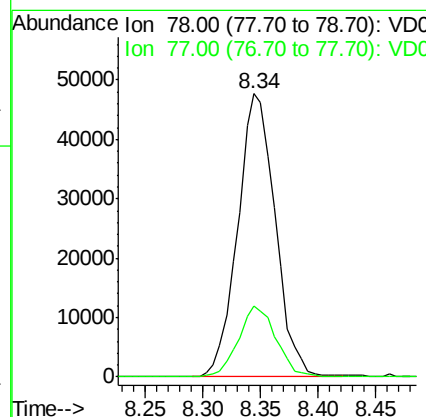
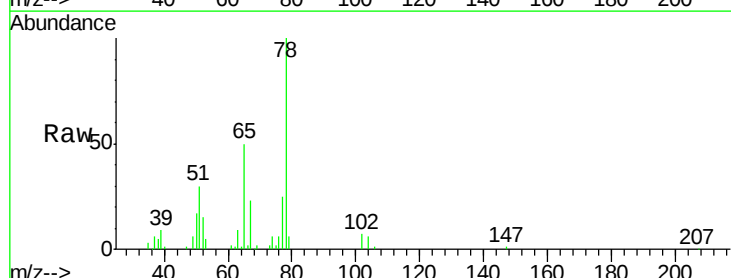
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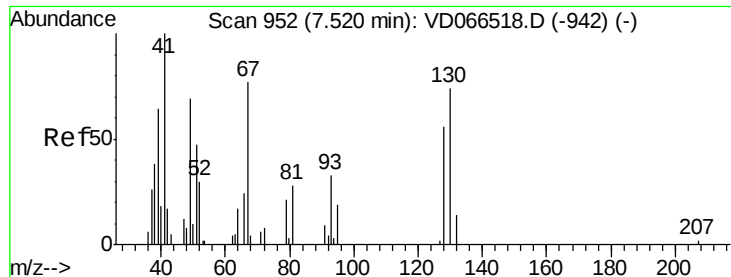
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#40
Benzene
Concen: 20.795 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.1	27.1





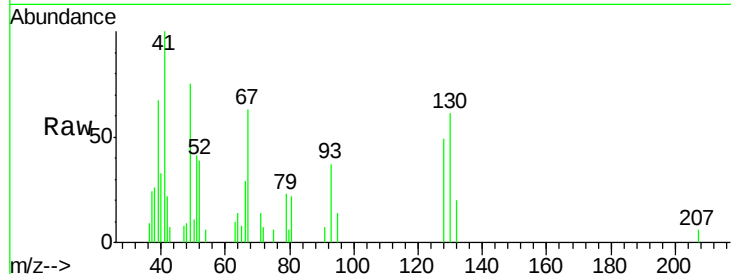
#41
Methacrylonitrile
Concen: 17.934 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

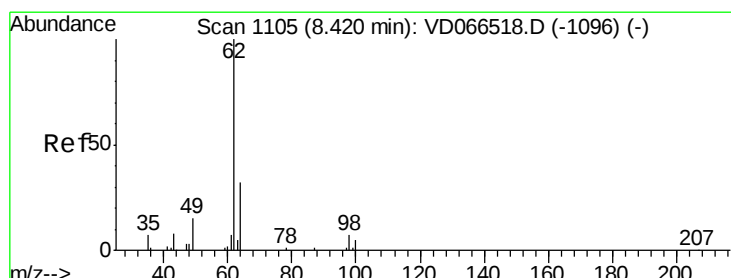
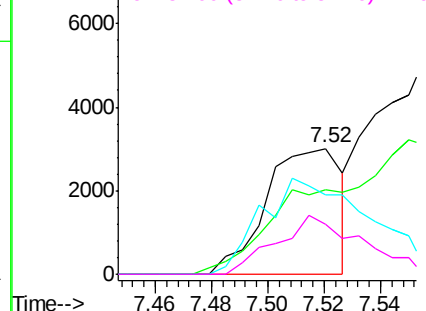
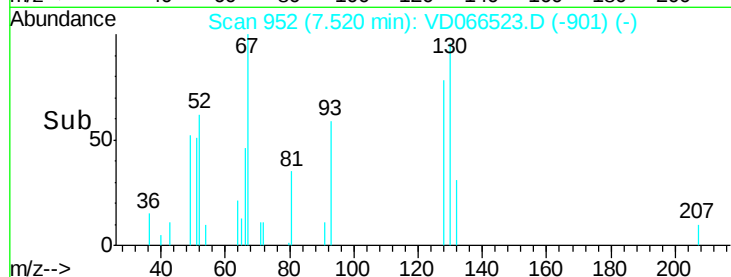
Tot Ion	41	Resp	5623
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	109.6	85.0	127.4
52	52.0	38.8	58.2

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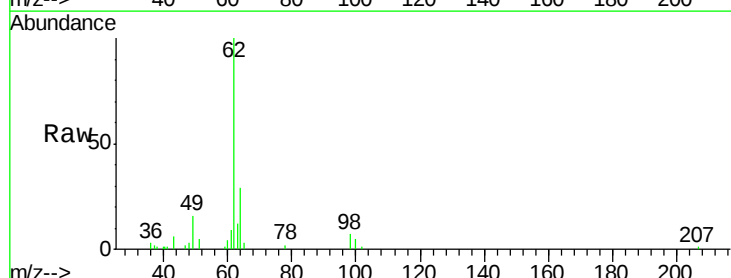


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

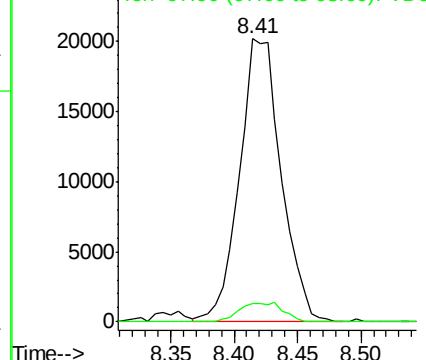
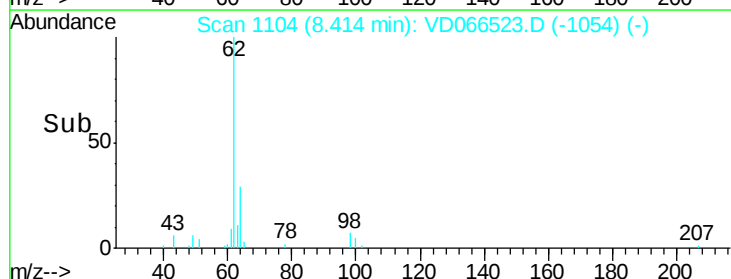


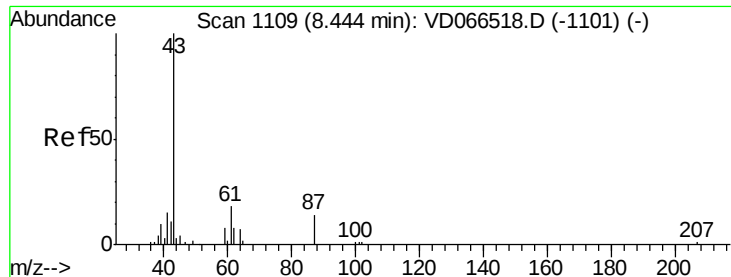
#42
1,2-Dichloroethane
Concen: 21.066 ug/l
RT: 8.41 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion	62	Resp	46152
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	15.2



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





#43

Isopropyl Acetate

Concen: 20.892 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

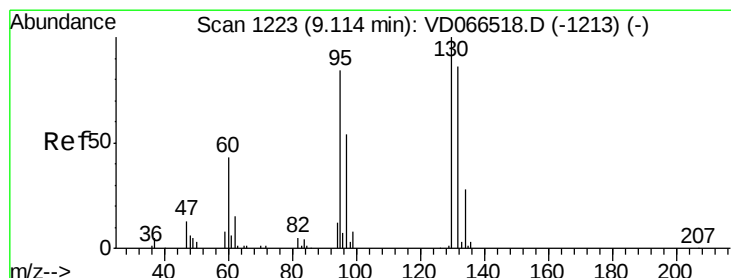
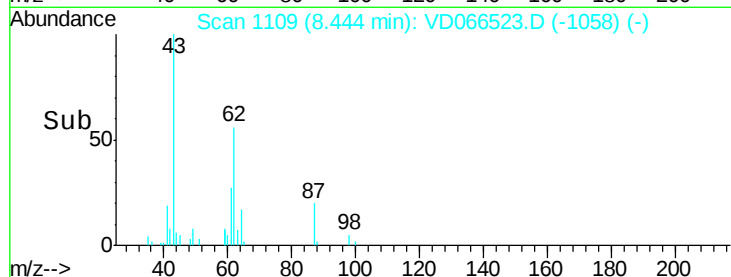
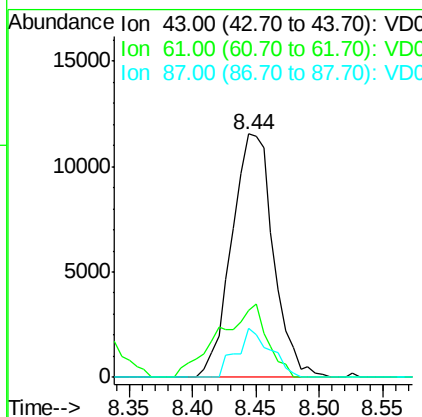
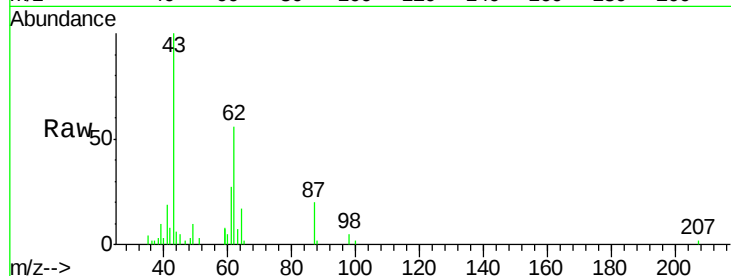
ClientSampleId :

VD0902SBS01

Tot Ion:	43	Resp:	26373
Ion	Ratio	Lower	Upper
43	100		
61	34.8	26.9	40.3
87	16.3	12.9	19.3

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#44

Trichloroethene

Concen: 21.111 ug/l

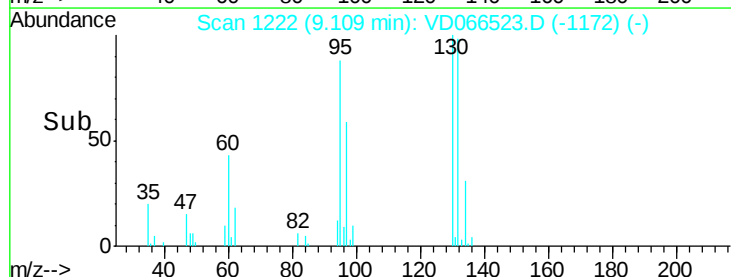
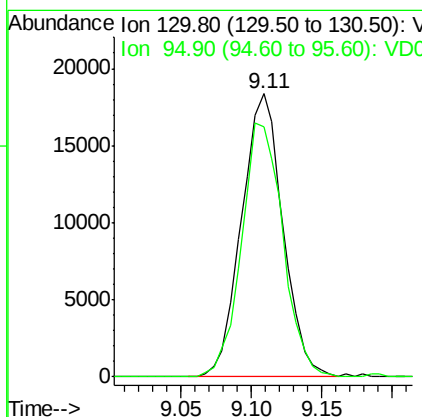
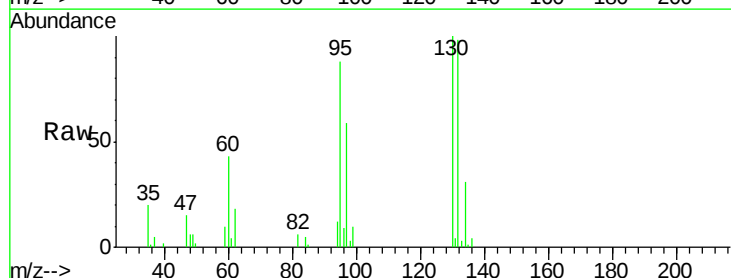
RT: 9.11 min Scan# 1222

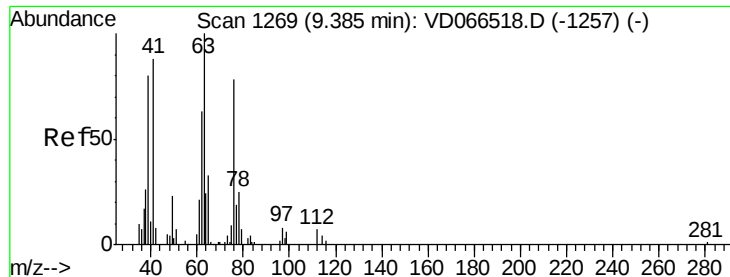
Delta R.T. -0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Tgt Ion:	130	Resp:	37735
Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	167.2





#45

1,2-Dichloropropane

Concen: 21.300 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion: 63 Resp: 21886

Ion Ratio Lower Upper

63 100

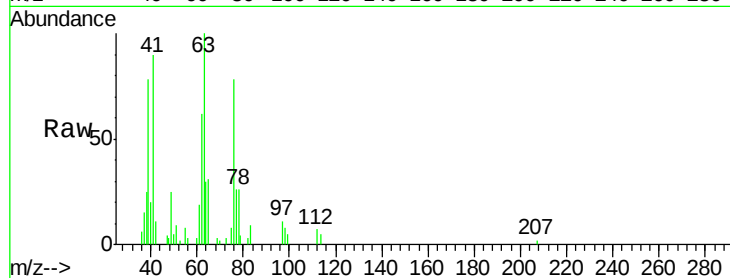
65 31.0 26.2 39.4

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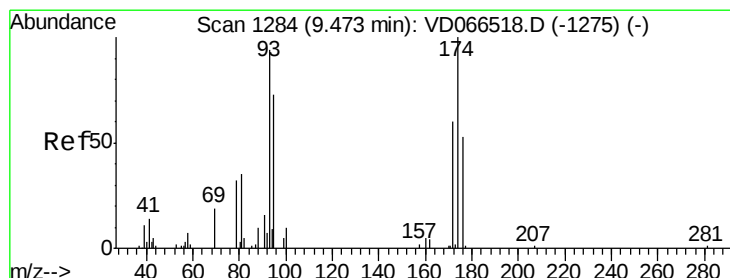
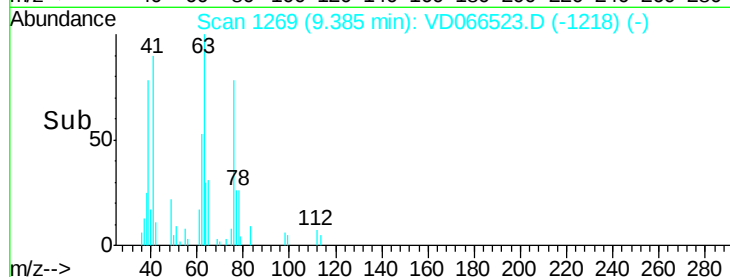
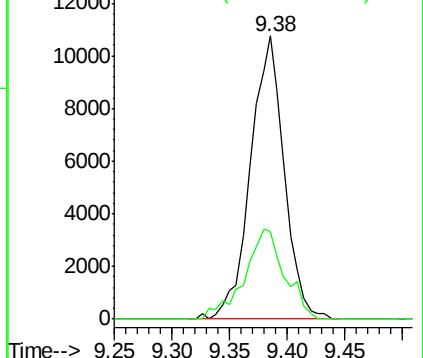
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.005 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

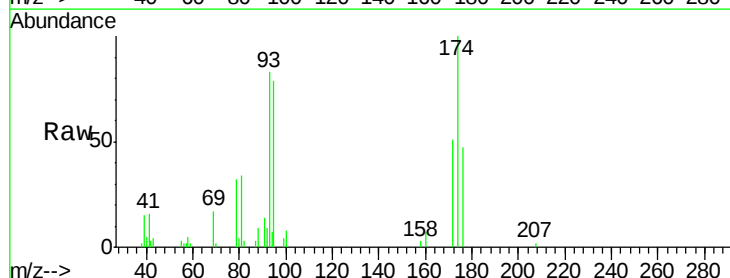
Tgt Ion: 93 Resp: 15801

Ion Ratio Lower Upper

93 100

95 82.5 63.9 95.9

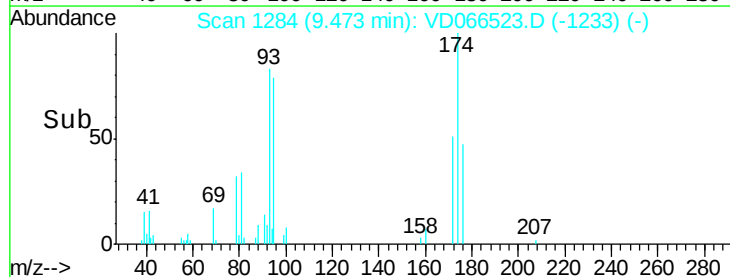
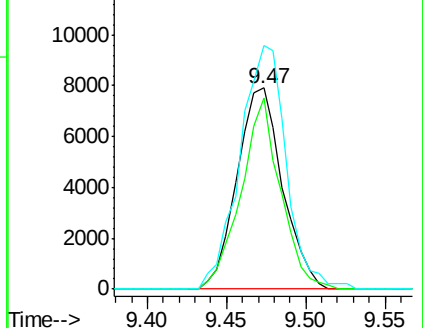
174 124.0 94.4 141.6

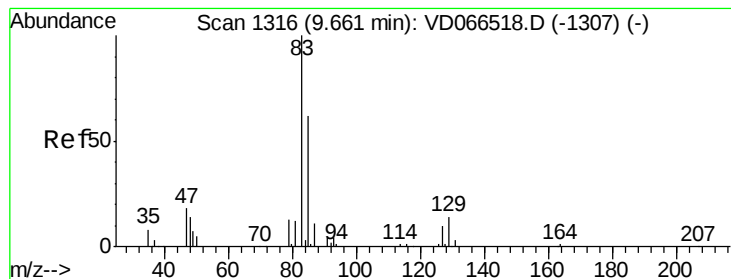


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.419 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

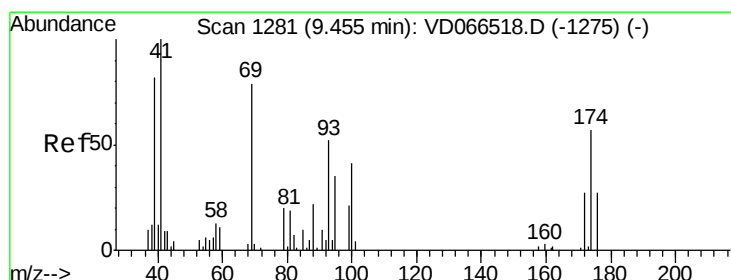
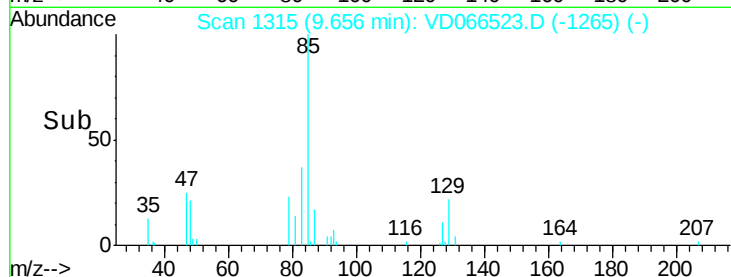
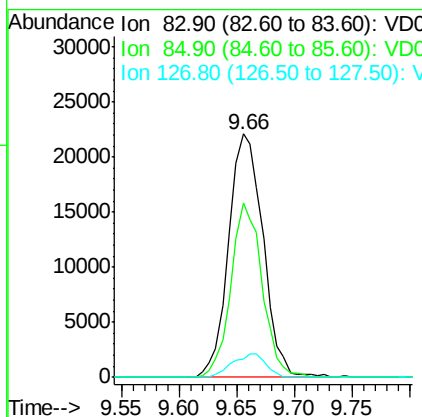
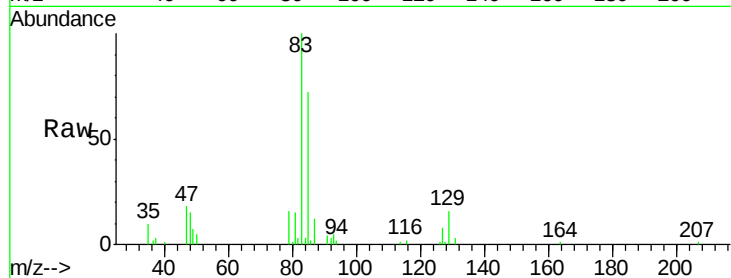
ClientSampleId :

VD0902SBS01

Tot Ion:	83	Resp:	45652
Ion	Ratio	Lower	Upper
83	100		
85	71.6	49.6	74.4
127	7.8	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.110 ug/l

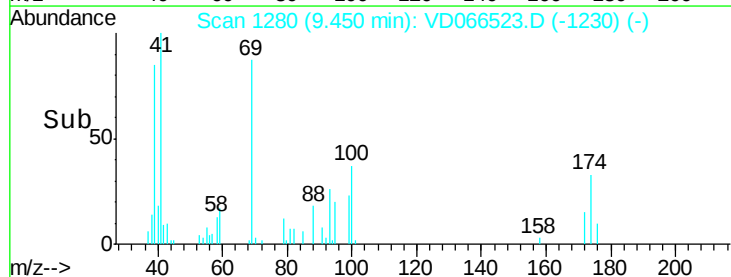
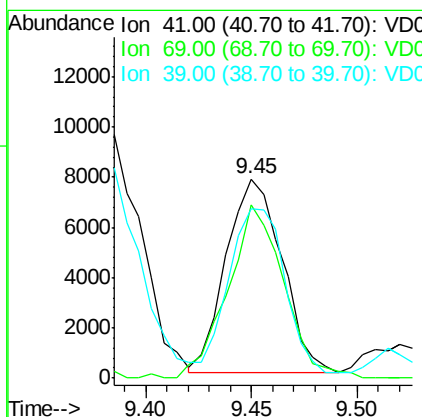
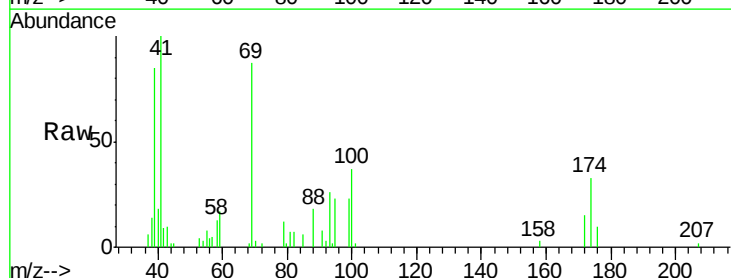
RT: 9.45 min Scan# 1280

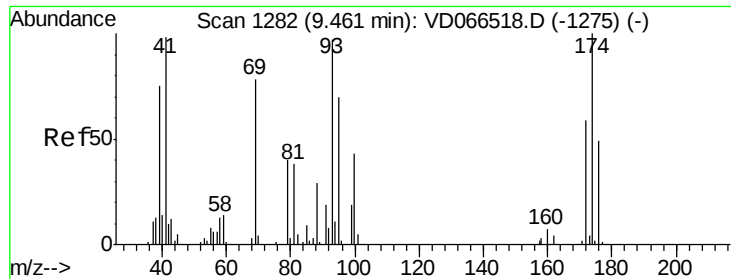
Delta R.T. -0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Tgt Ion:	41	Resp:	14224
Ion	Ratio	Lower	Upper
41	100		
69	89.4	71.1	106.7
39	91.3	75.4	113.2





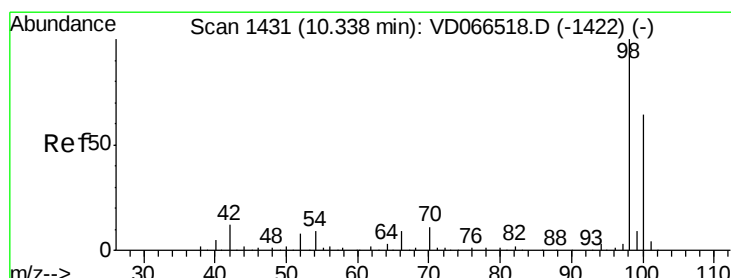
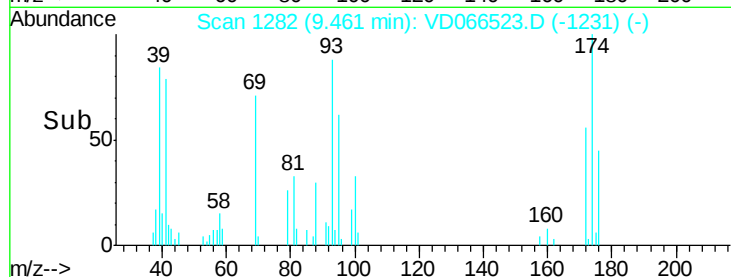
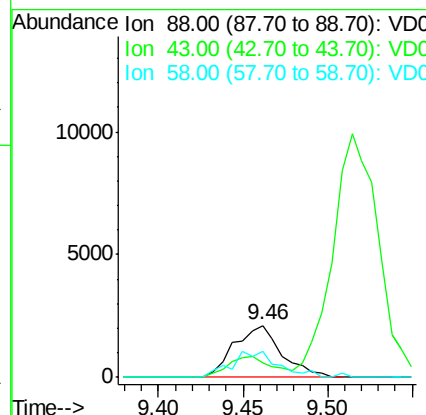
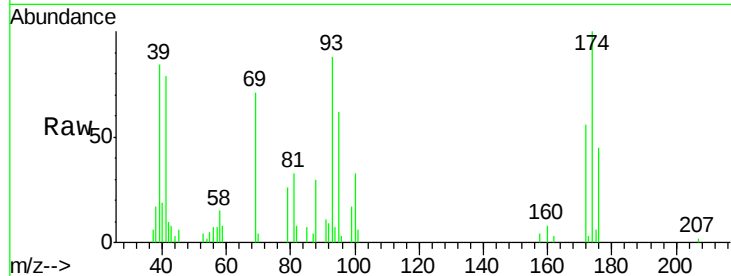
#49
1,4-Dioxane
Concen: 468.101 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	88	Resp	4076
Ion	Ratio	Lower	Upper
88	100		
43	38.4	33.8	50.6
58	50.0	46.2	69.4

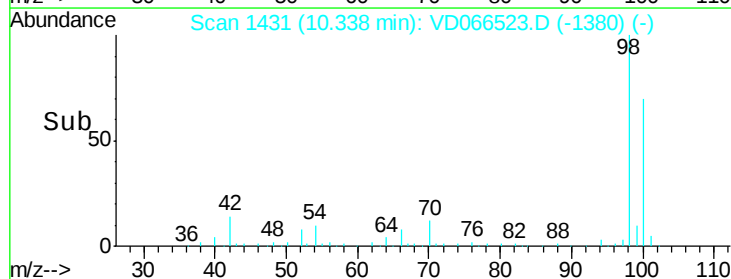
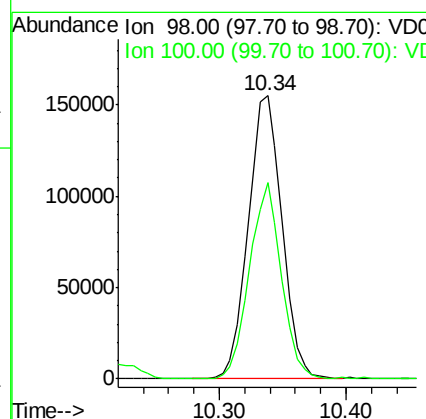
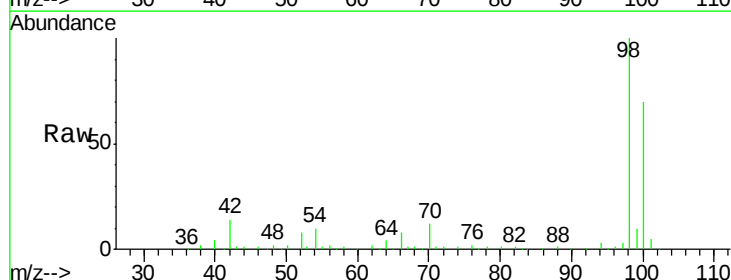
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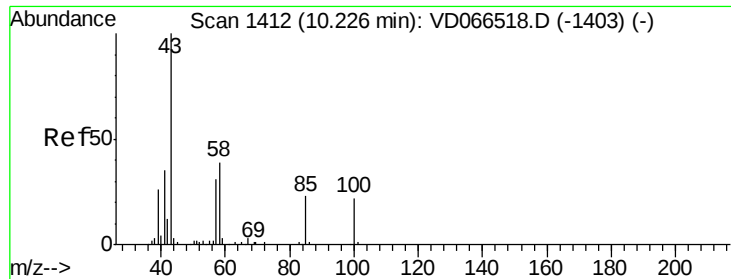
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#50
Toluene-d8
Concen: 55.681 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion	98	Resp	287988
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 108.728 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion: 43 Resp: 63113

Ion Ratio Lower Upper

43 100

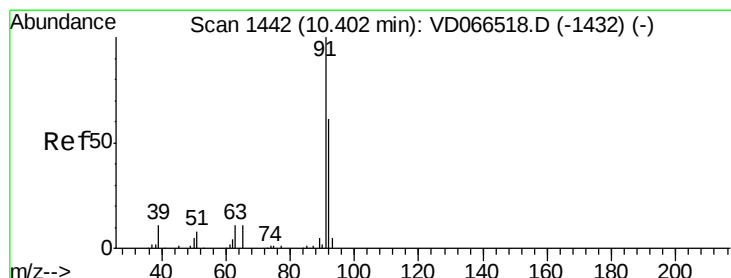
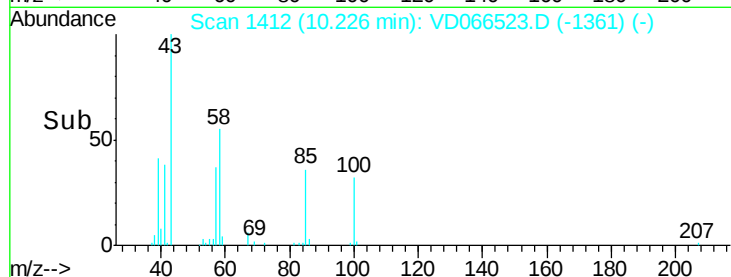
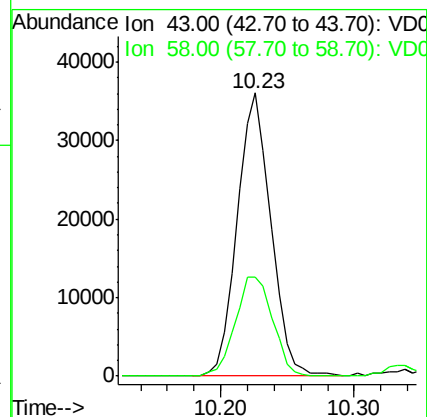
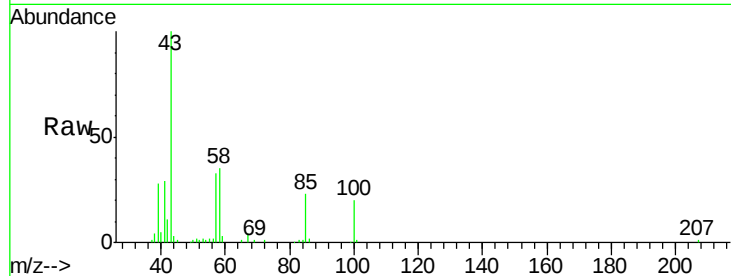
58 38.7 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 21.080 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066523.D

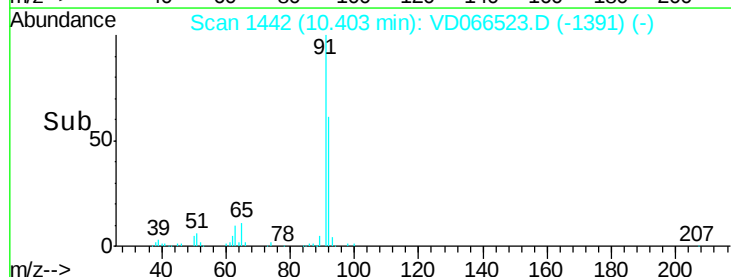
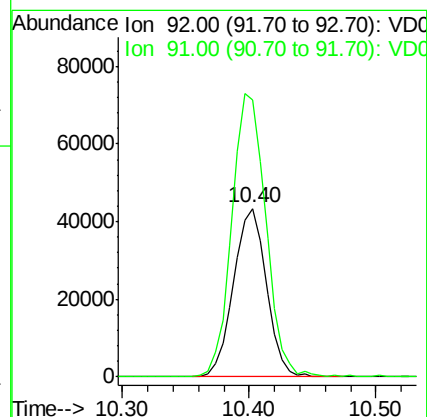
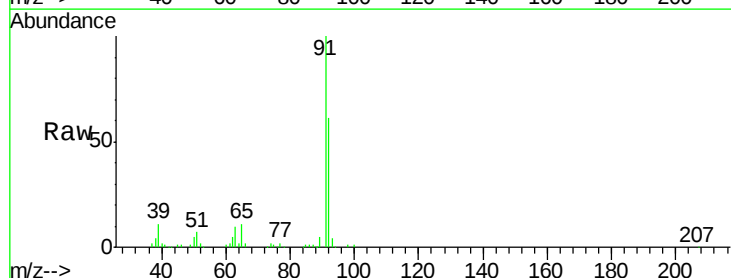
Acq: 02 Sep 2020 15:26

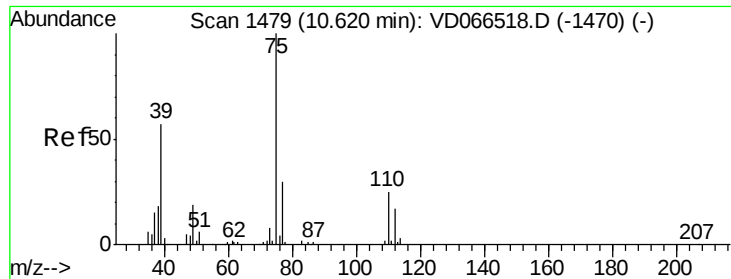
Tgt Ion: 92 Resp: 77649

Ion Ratio Lower Upper

92 100

91 173.6 135.0 202.4





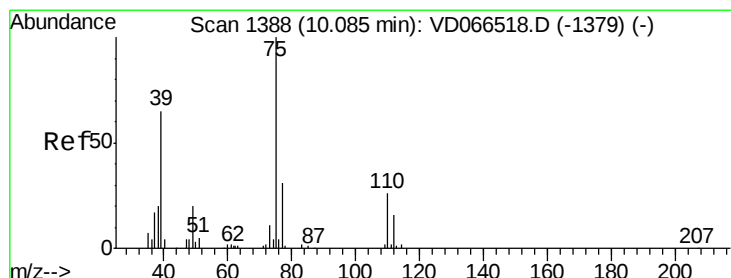
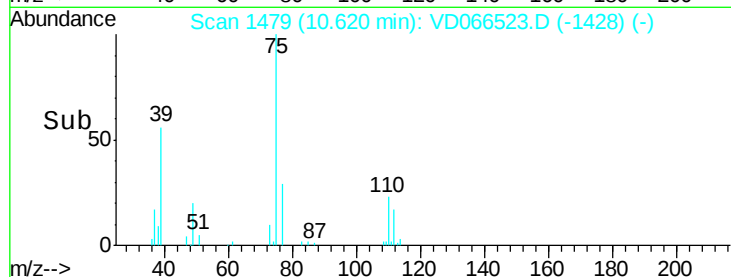
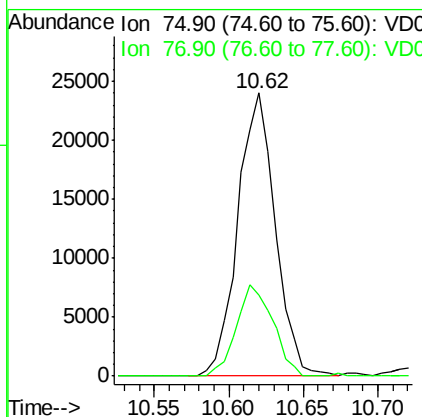
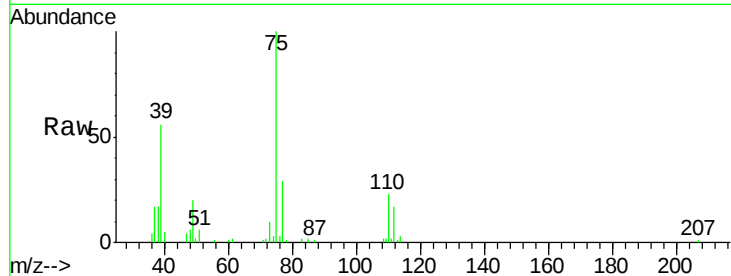
#53
 t-1,3-Dichloropropene
 Concen: 20.476 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion: 75 Resp: 41827
 Ion Ratio Lower Upper
 75 100
 77 28.8 23.7 35.5

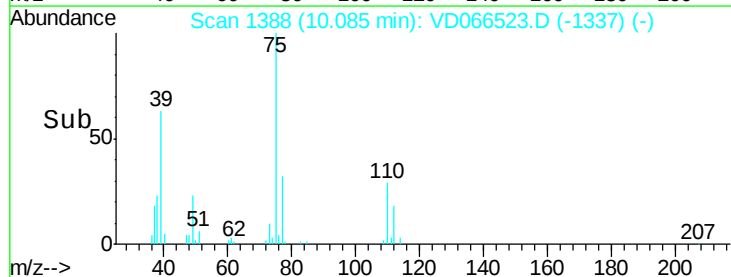
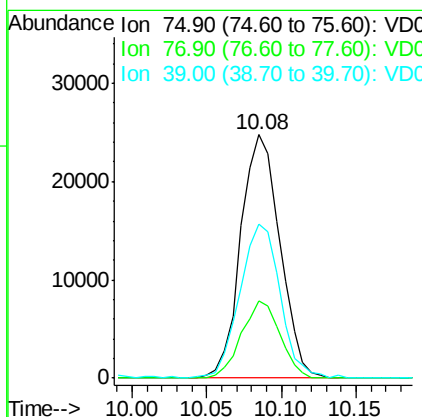
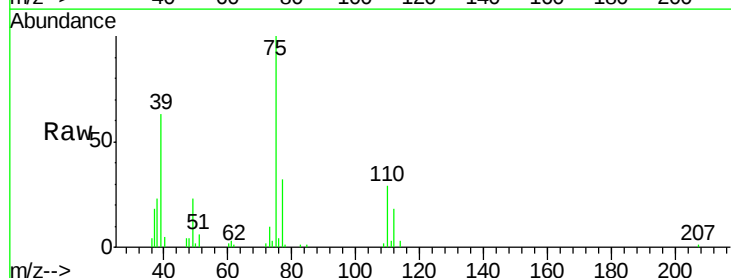
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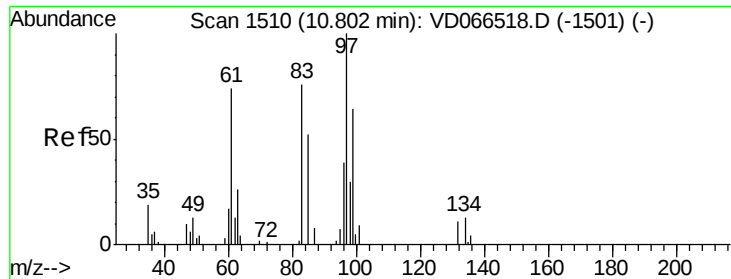
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#54
 cis-1,3-Dichloropropene
 Concen: 20.923 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Tgt Ion: 75 Resp: 45027
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.5 36.7
 39 63.0 52.4 78.6





#55

1,1,2-Trichloroethane

Concen: 21.885 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

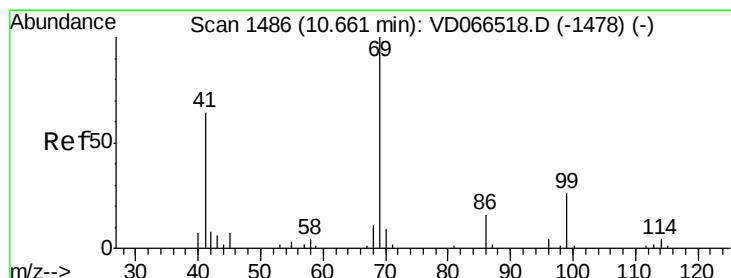
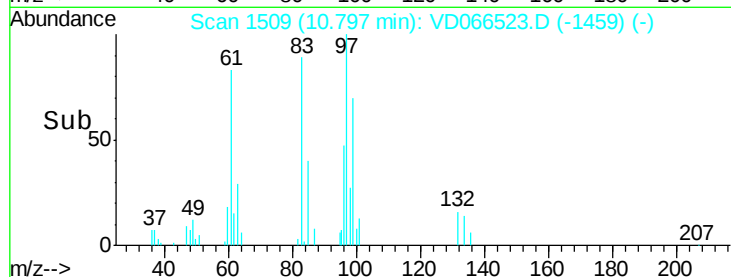
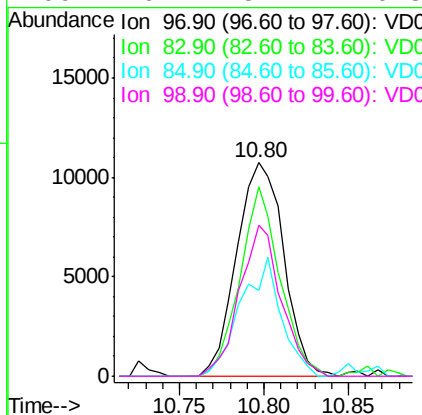
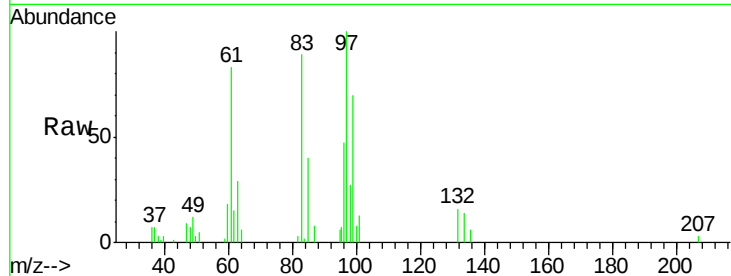
ClientSampleId :

VD0902SBS01

Tot Ion:	97	Resp:	20803
Ion	Ratio	Lower	Upper
97	100		
83	89.0	61.2	91.8
85	40.0	42.0	63.0#
99	70.4	51.2	76.8

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#56

Ethyl methacrylate

Concen: 20.850 ug/l

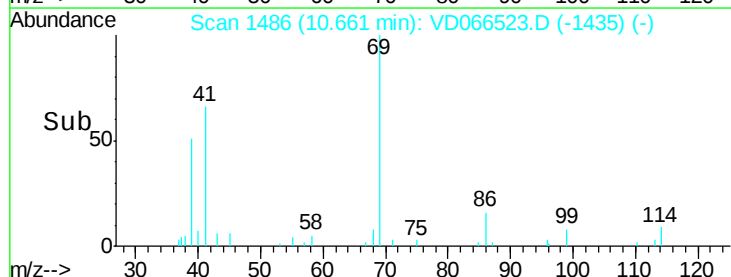
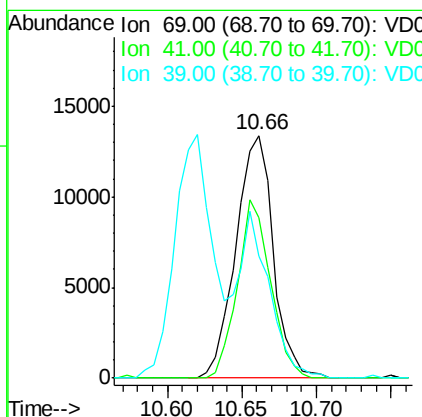
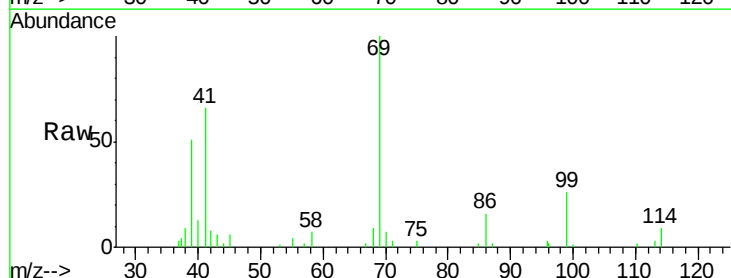
RT: 10.66 min Scan# 1486

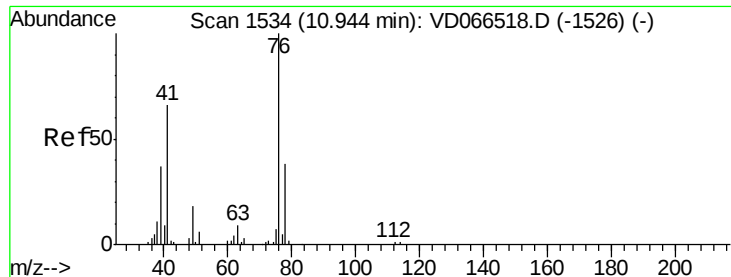
Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Tgt Ion:	69	Resp:	23325
Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.5	78.7
39	58.3	42.1	63.1





#57

1,3-Dichloropropane

Concen: 20.895 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion: 76 Resp: 32800

Ion Ratio Lower Upper

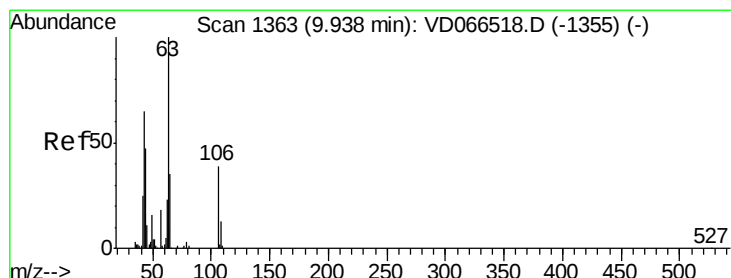
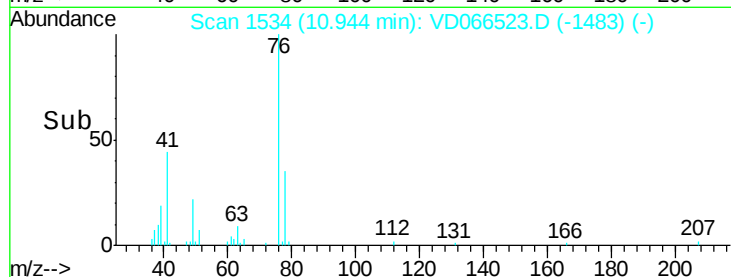
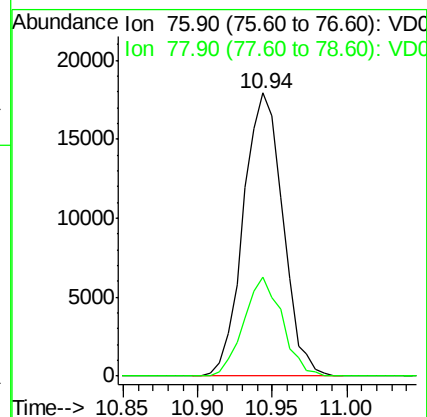
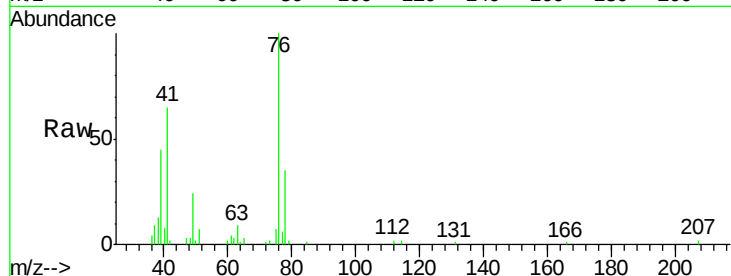
76 100

78 34.1 28.2 42.2

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#58

2-Chloroethyl Vinyl ether

Concen: 114.636 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066523.D

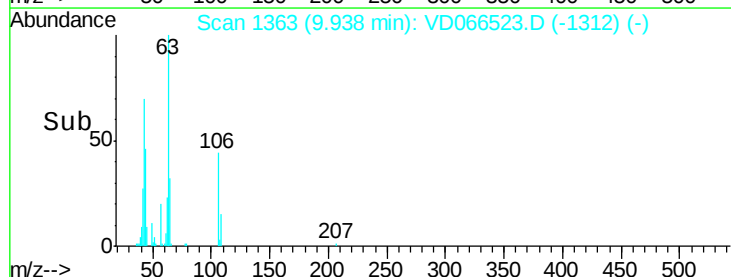
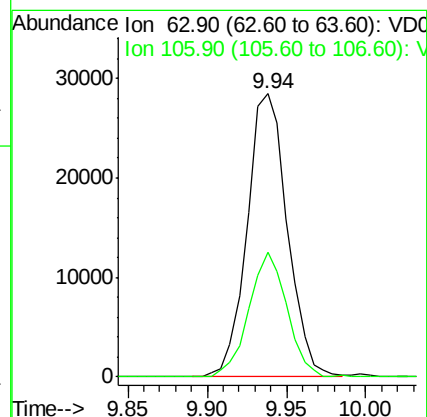
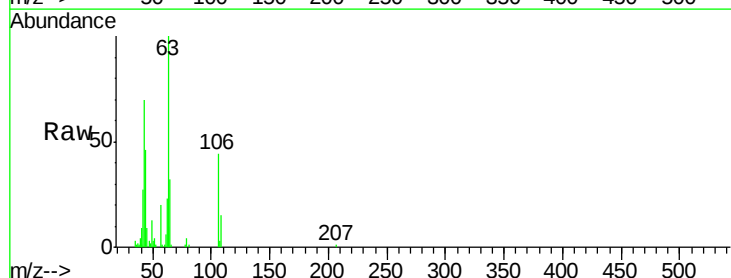
Acq: 02 Sep 2020 15:26

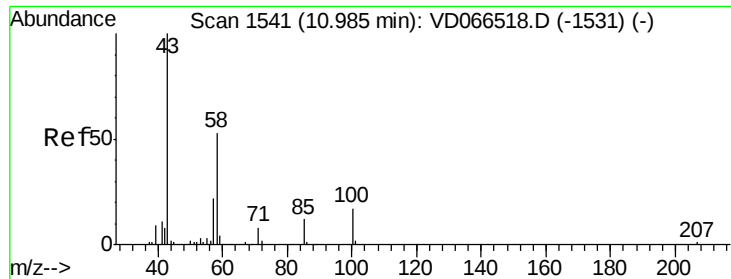
Tgt Ion: 63 Resp: 50060

Ion Ratio Lower Upper

63 100

106 41.5 32.1 48.1





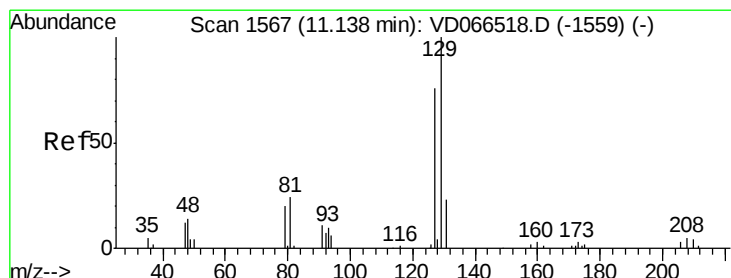
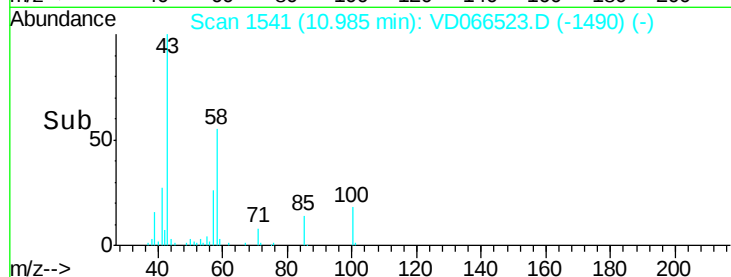
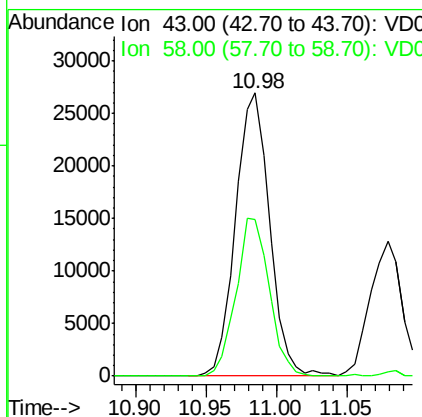
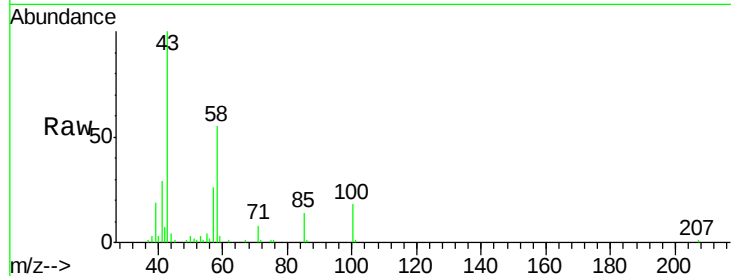
#59
2-Hexanone
Concen: 108.517 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion: 43 Resp: 45493
Ion Ratio Lower Upper
43 100
58 54.6 25.7 77.0

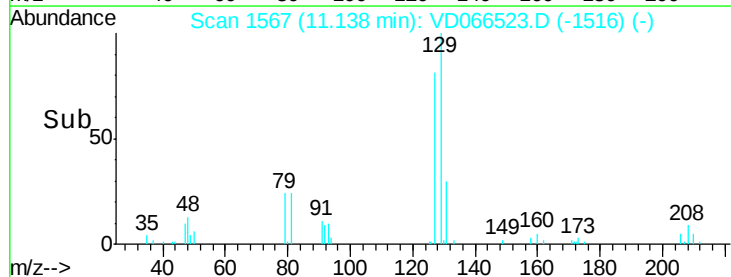
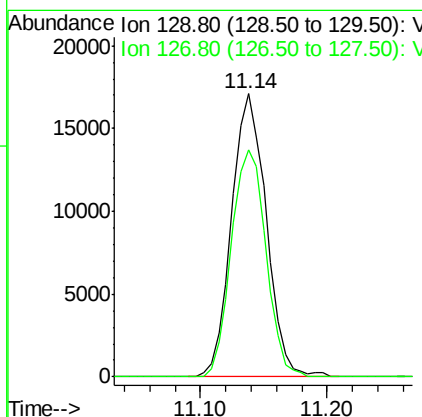
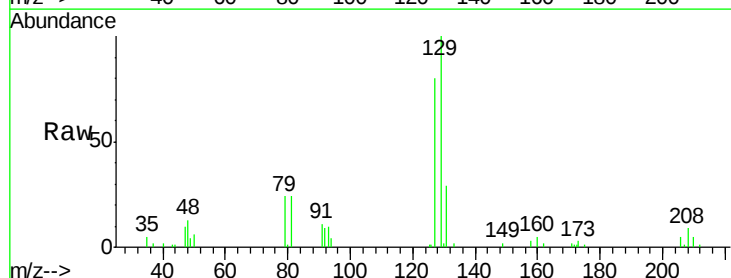
Manual Integrations
APPROVED

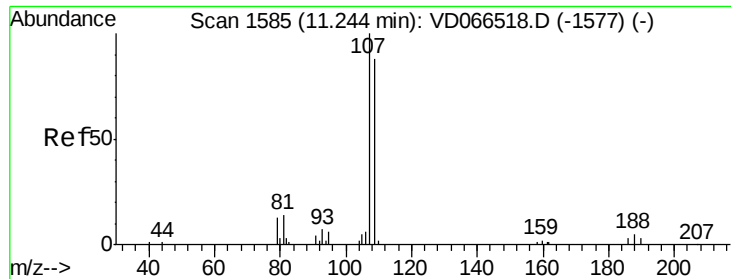
MMDadoda
9/3/2020 4:57:23 PM



#60
Dibromochloromethane
Concen: 20.622 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion: 129 Resp: 32414
Ion Ratio Lower Upper
129 100
127 79.8 38.2 114.6





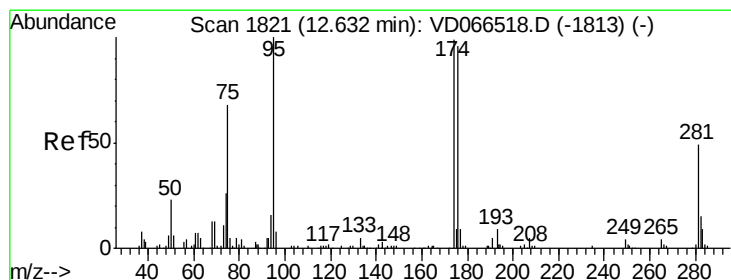
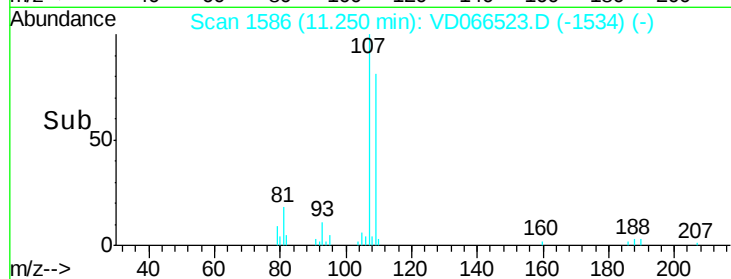
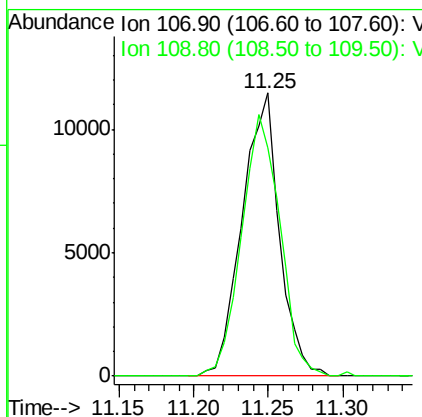
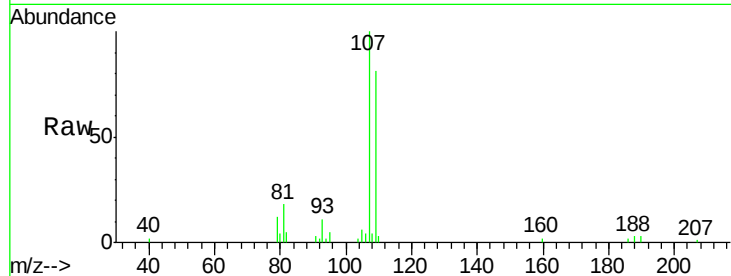
#61
 1,2-Dibromoethane
 Concen: 20.418 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.8	113.8

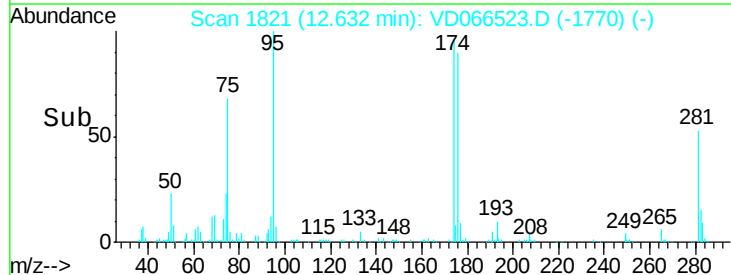
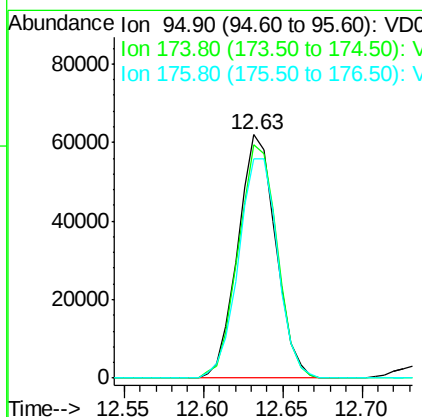
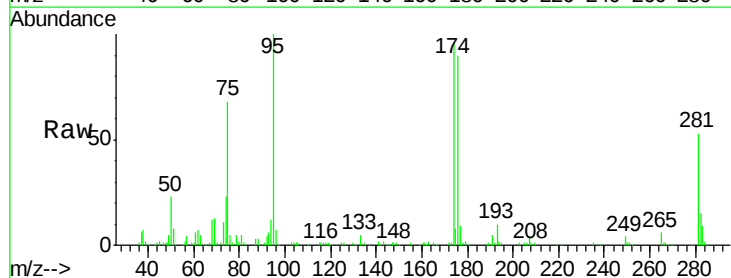
Manual Integrations
 APPROVED

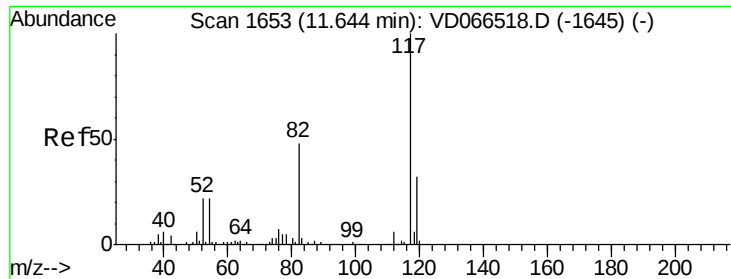
MMDadoda
 9/3/2020 4:57:23 PM



#62
 4-Bromofluorobenzene
 Concen: 55.969 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.7	0.0	203.2
176	93.3	0.0	198.6





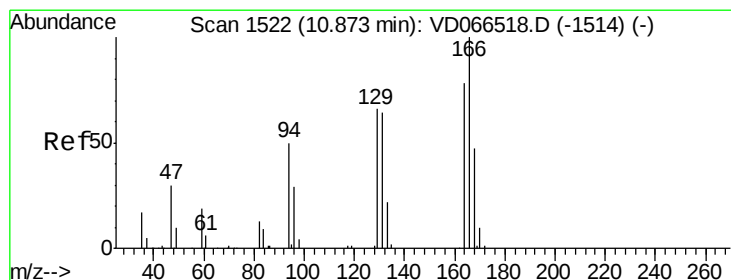
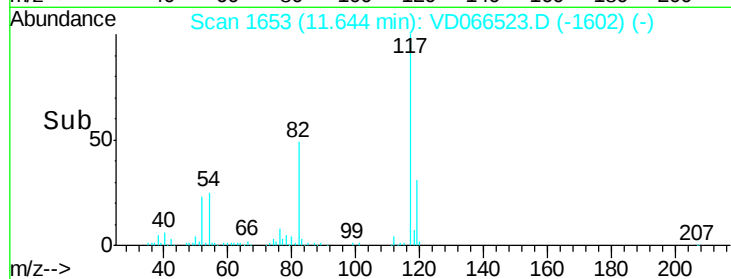
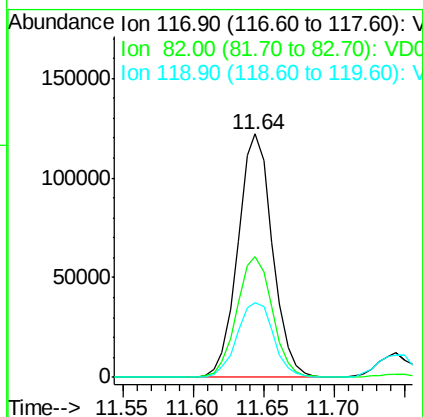
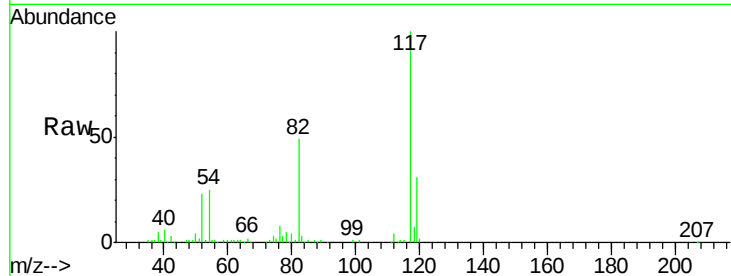
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	208826		
82	49.3		38.5	57.7
119	30.5		25.9	38.9

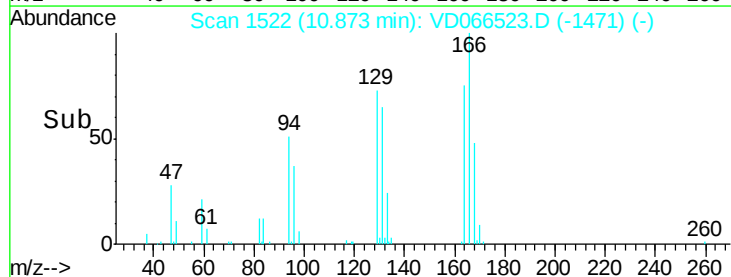
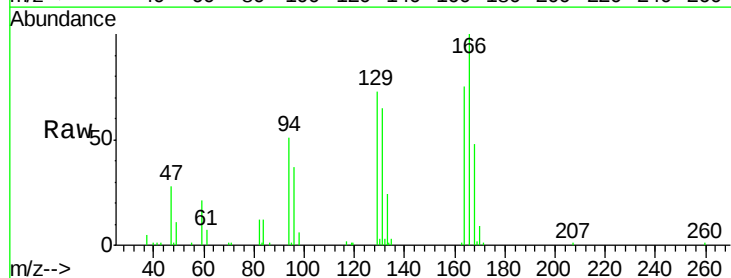
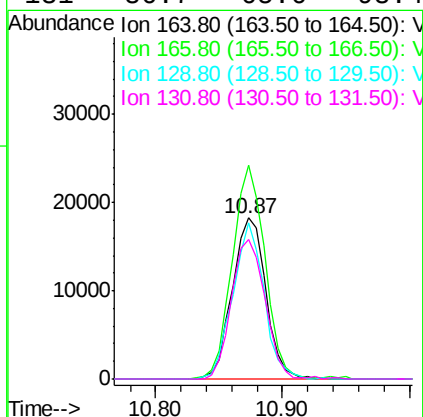
Manual Integrations
APPROVED

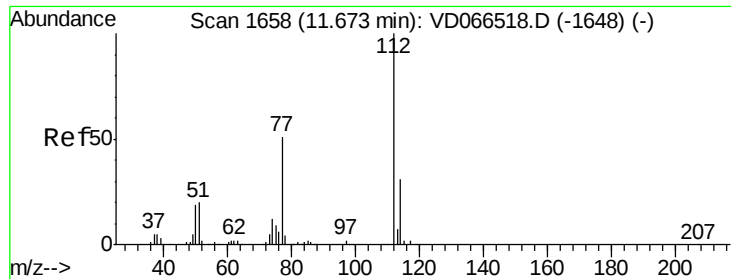
MMDadoda
9/3/2020 4:57:23 PM



#64
Tetrachloroethene
Concen: 20.484 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33350		
166	132.6		103.0	154.6
129	97.0		68.3	102.5
131	86.7		65.6	98.4





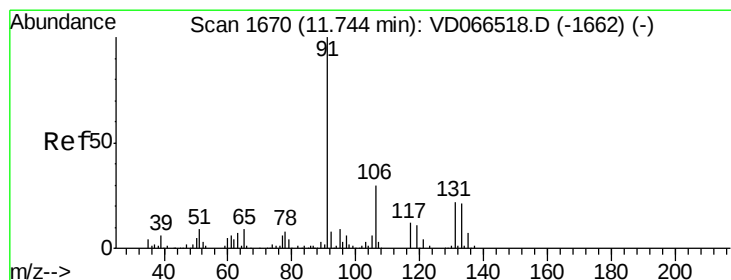
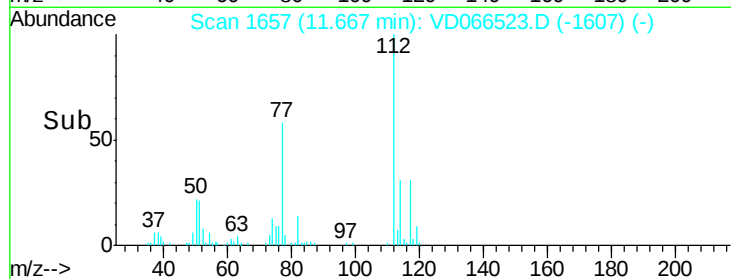
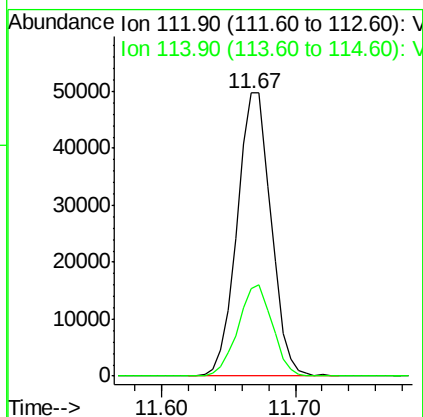
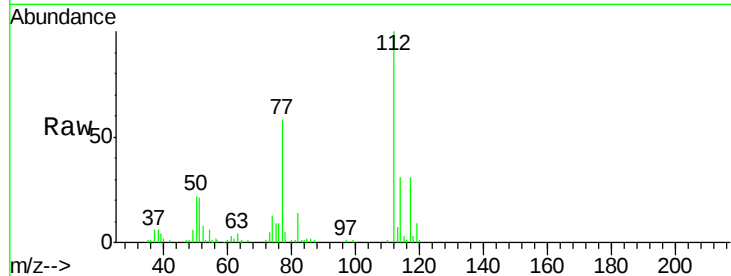
#65
Chlorobenzene
Concen: 21.315 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion:112 Resp: 87572
Ion Ratio Lower Upper
112 100
114 31.0 24.8 37.2

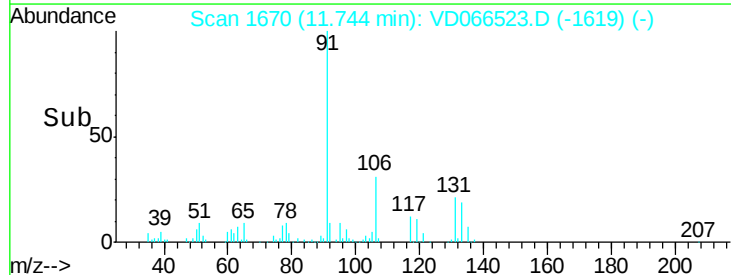
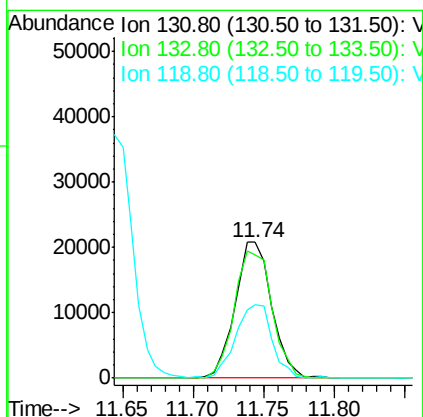
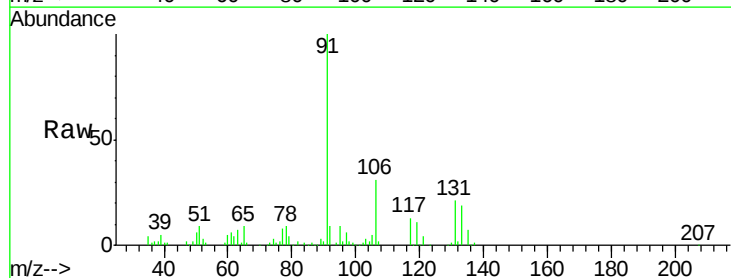
Manual Integrations
APPROVED

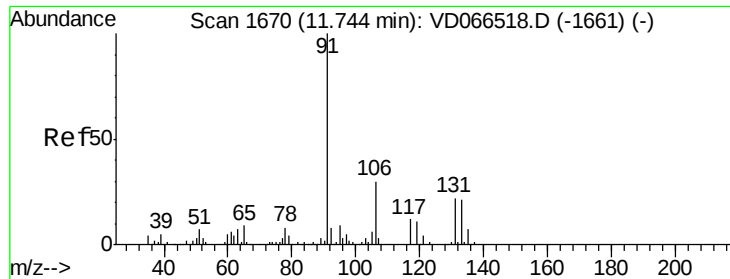
MMDadoda
9/3/2020 4:57:23 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.694 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion:131 Resp: 37710
Ion Ratio Lower Upper
131 100
133 96.4 47.5 142.5
119 54.0 27.2 81.6





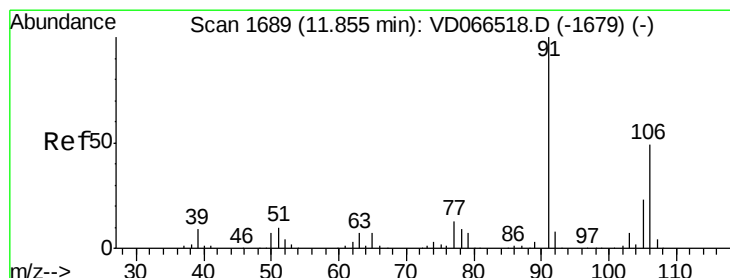
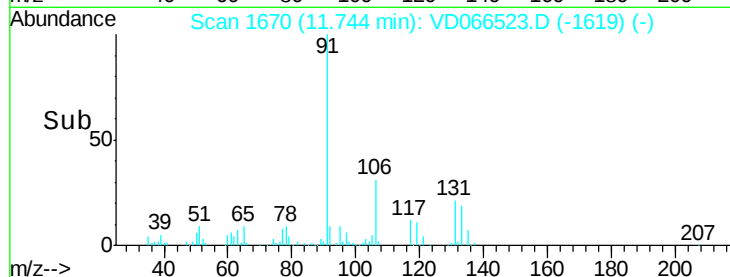
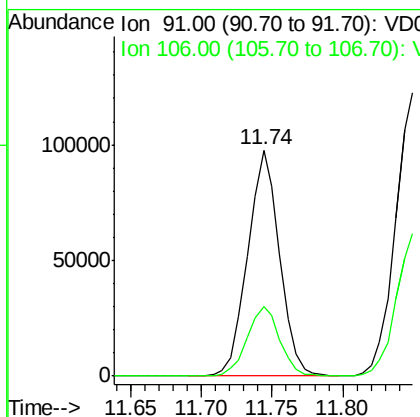
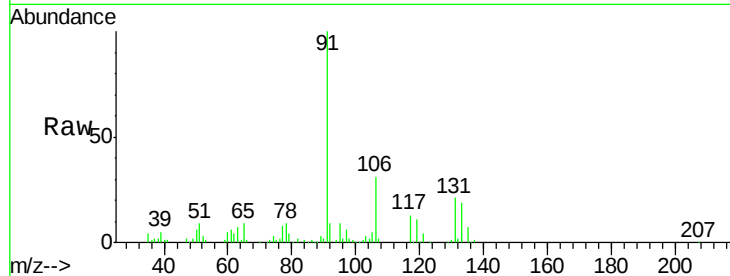
#67
Ethyl Benzene
Concen: 21.379 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion: 91 Resp: 154725
Ion Ratio Lower Upper
91 100
106 30.6 24.0 36.0

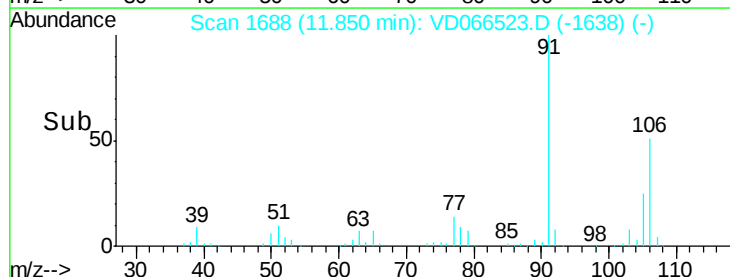
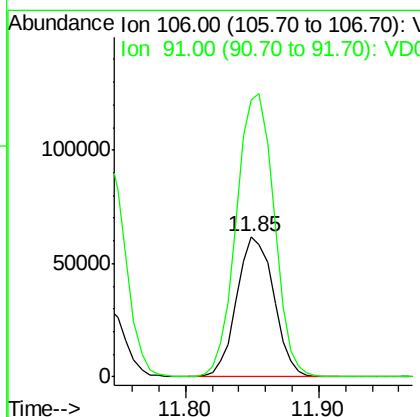
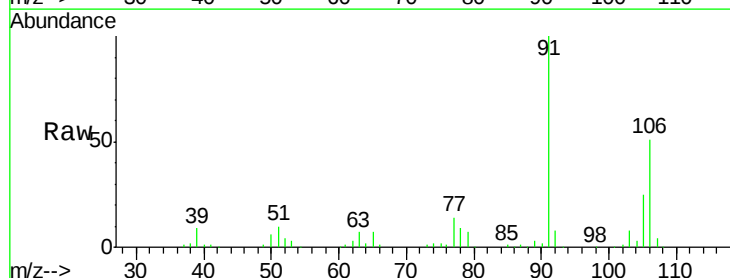
Manual Integrations
APPROVED

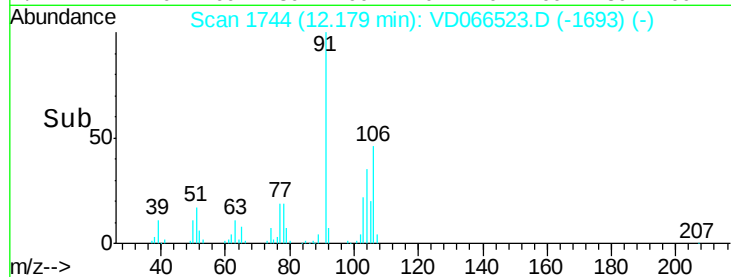
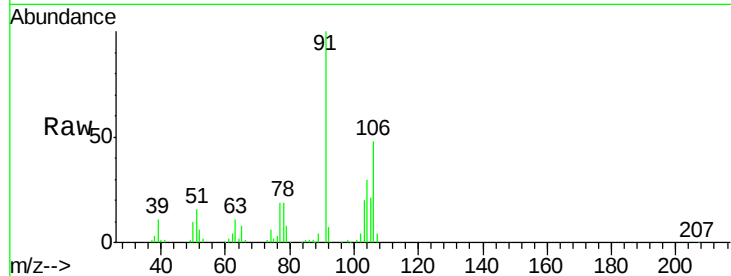
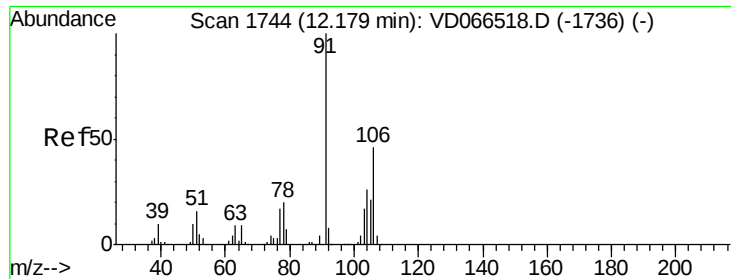
MMDadoda
9/3/2020 4:57:23 PM



#68
m/p-Xylenes
Concen: 42.476 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion: 106 Resp: 118938
Ion Ratio Lower Upper
106 100
91 206.4 163.3 244.9





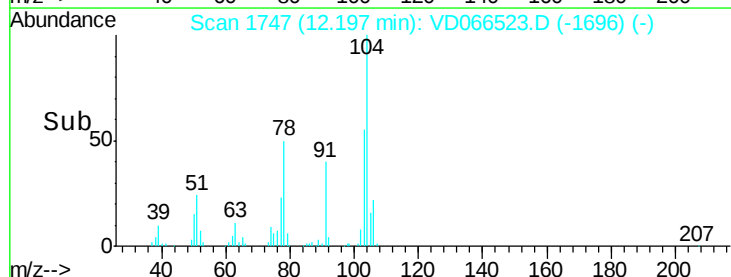
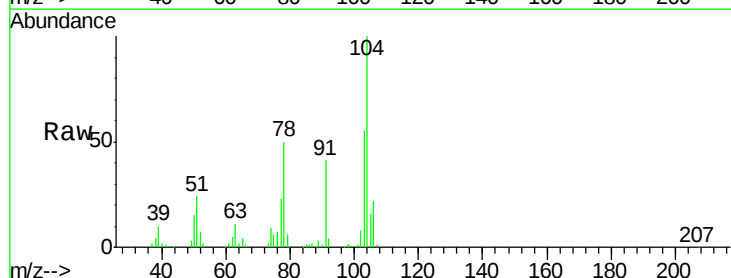
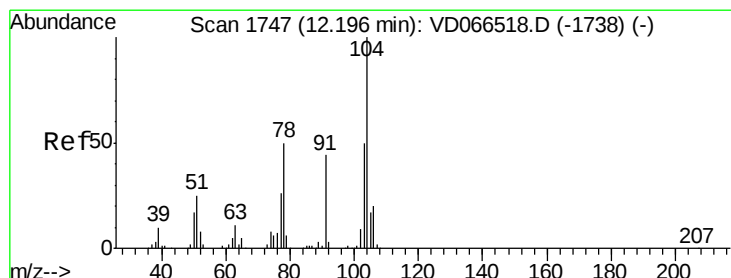
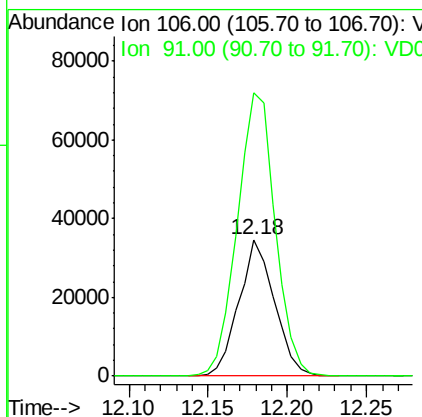
#69
o-Xylene
Concen: 20.507 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tot Ion:106 Resp: 54392
Ion Ratio Lower Upper
106 100
91 219.3 108.7 326.3

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

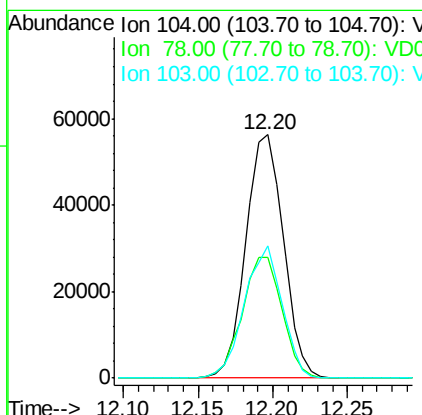
Manual Integrations
APPROVED

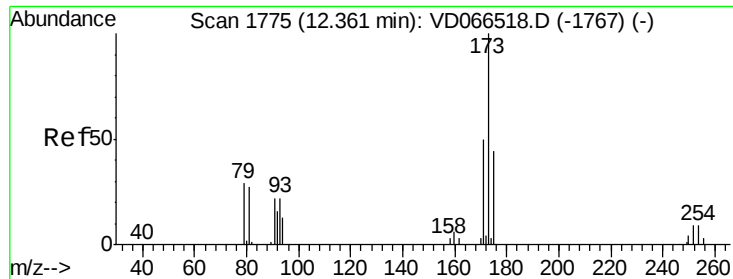
MMDadoda
9/3/2020 4:57:23 PM



#70
Styrene
Concen: 21.584 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion:104 Resp: 98015
Ion Ratio Lower Upper
104 100
78 53.2 44.3 66.5
103 54.5 44.1 66.1





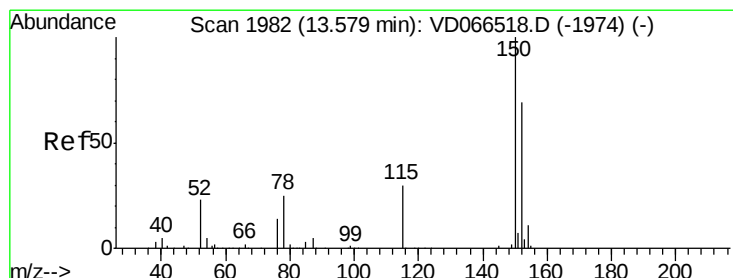
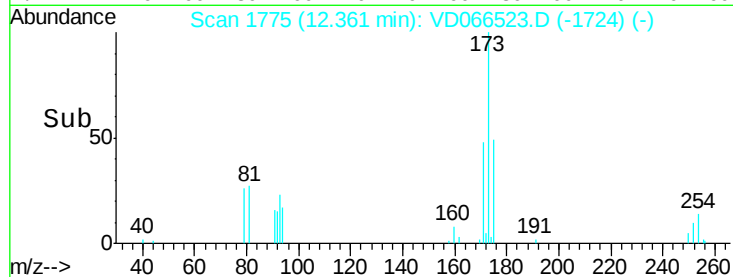
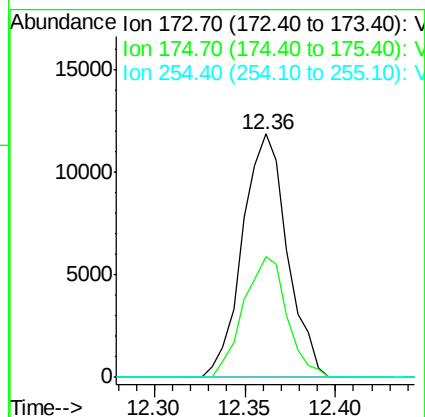
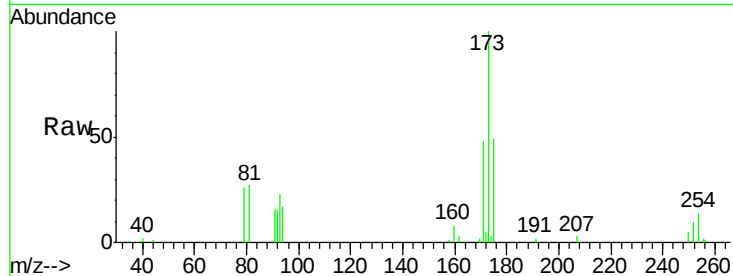
#71
Bromoform
Concen: 21.403 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	22.3	66.8
254	0.0	0.0	0.0

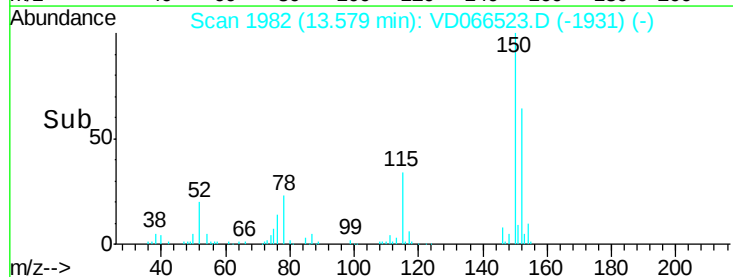
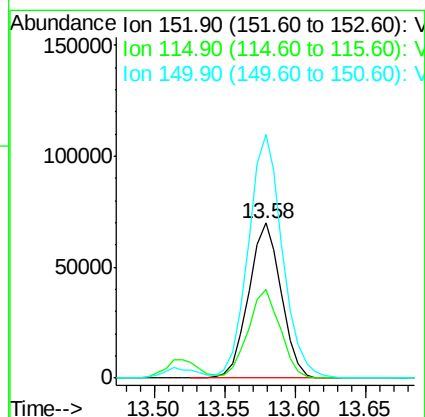
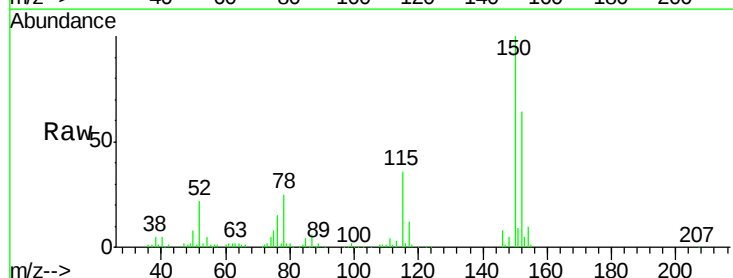
Manual Integrations
APPROVED

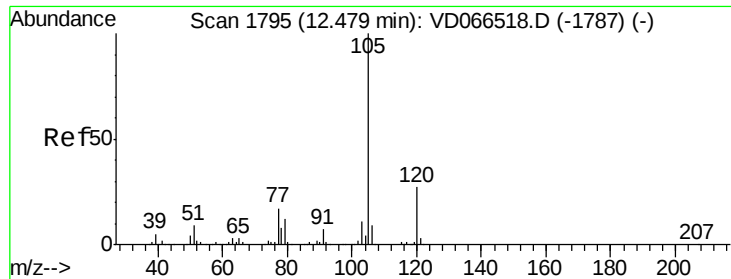
MMDadoda
9/3/2020 4:57:23 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.9	86.8
150	164.6	0.0	339.6





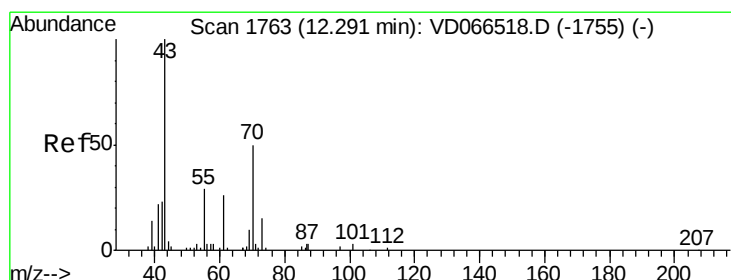
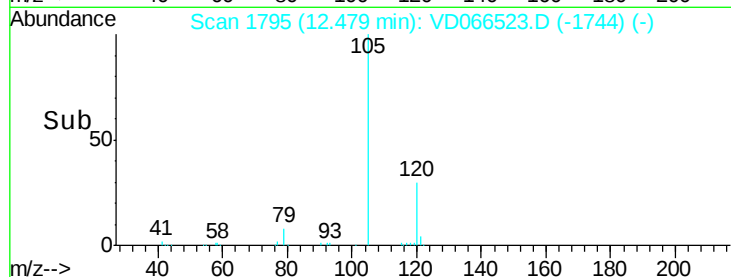
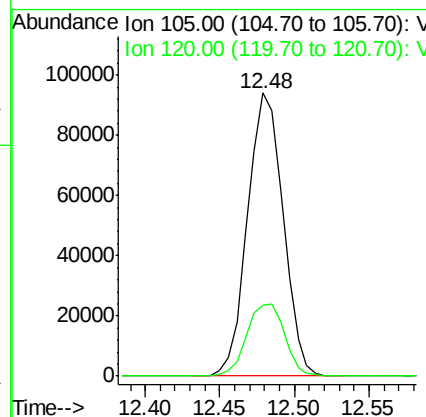
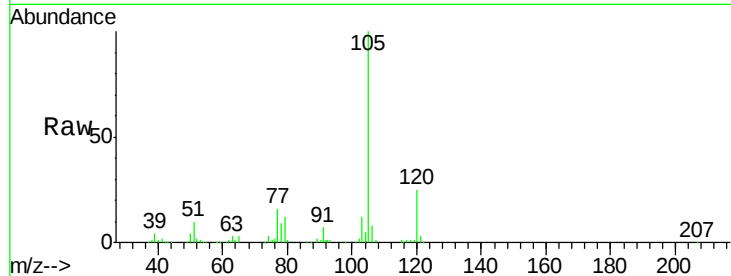
#73
Isopropylbenzene
Concen: 20.521 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.5

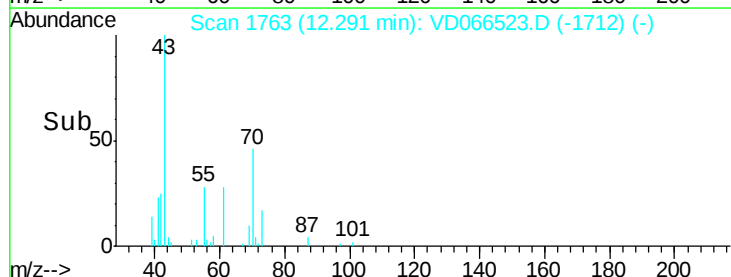
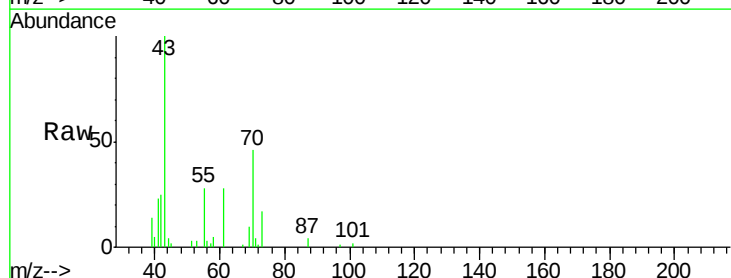
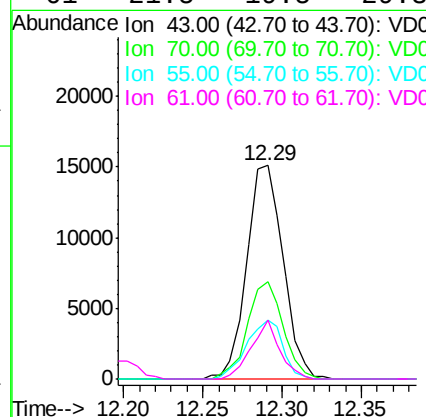
Manual Integrations
APPROVED

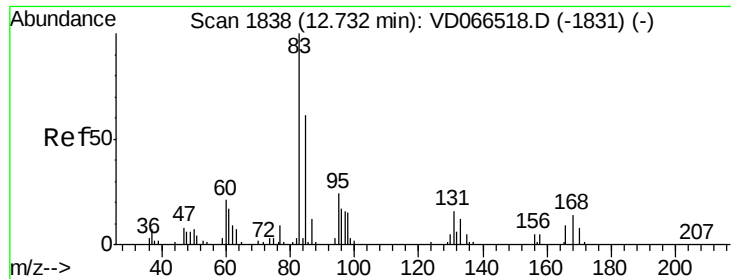
MMDadoda
9/3/2020 4:57:23 PM



#74
N-ethyl acetate
Concen: 21.172 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.4	36.2	54.2
55	27.6	20.6	30.8
61	21.5	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.646 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

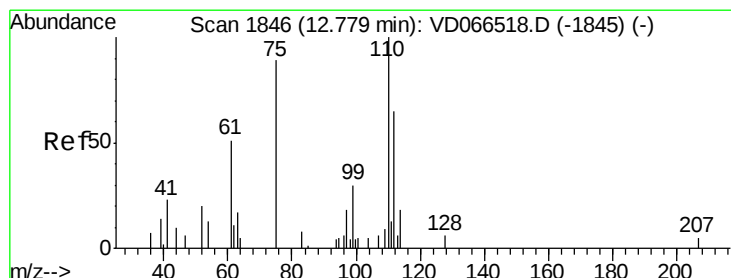
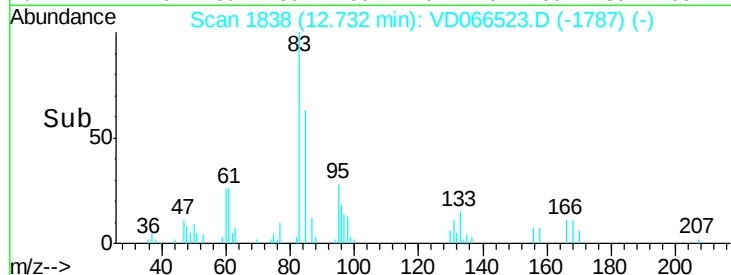
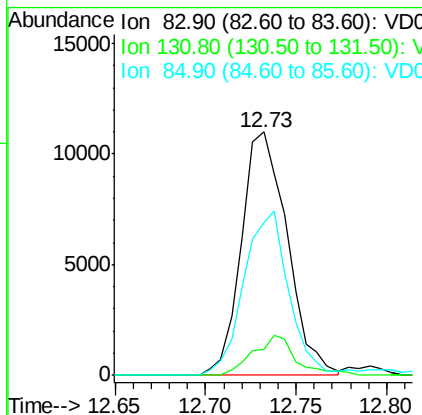
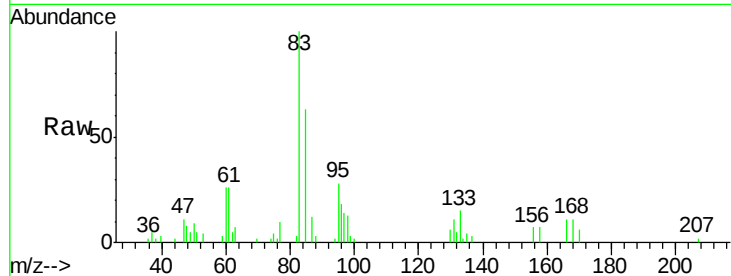
ClientSampleId :

VD0902SBS01

Tot Ion:	83	Resp:	19367
Ion Ratio	Lower	Upper	
83	100		
131	15.3	8.3	24.9
85	66.0	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 20.115 ug/l m

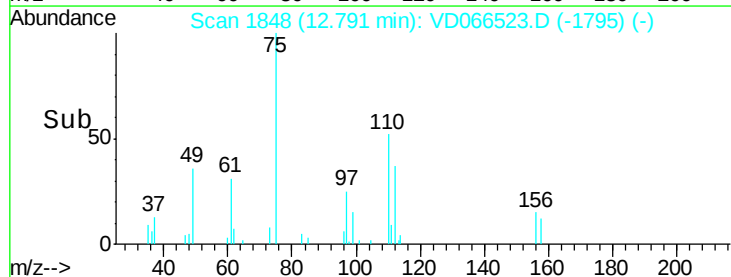
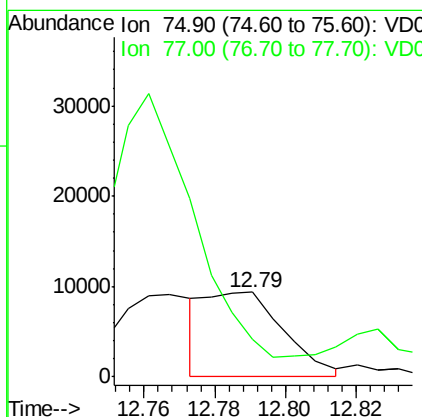
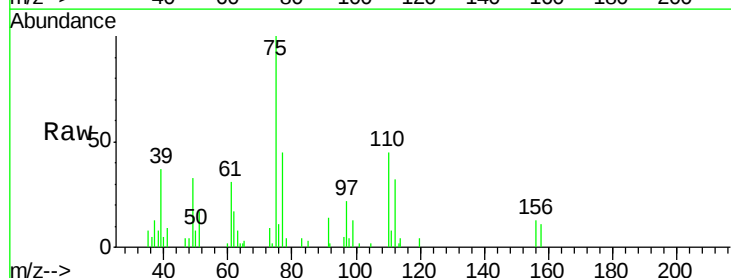
RT: 12.79 min Scan# 1848

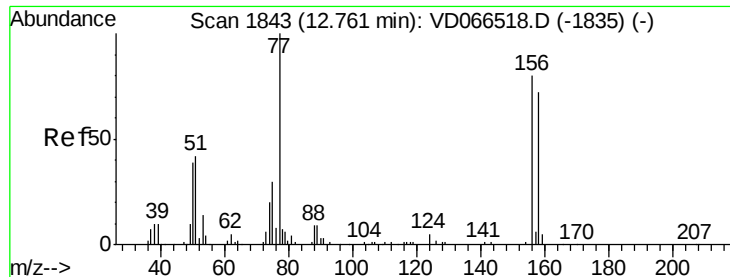
Delta R.T. 0.01 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Tgt Ion:	75	Resp:	14338
Ion Ratio	Lower	Upper	
75	100		
77	398.1	196.9	590.7





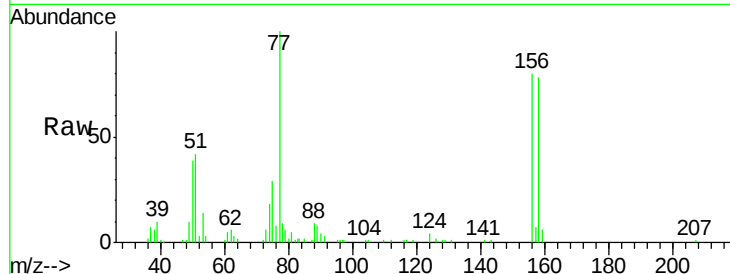
#77
Bromobenzene
Concen: 20.527 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

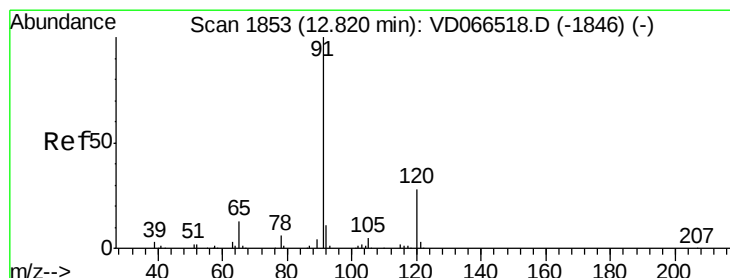
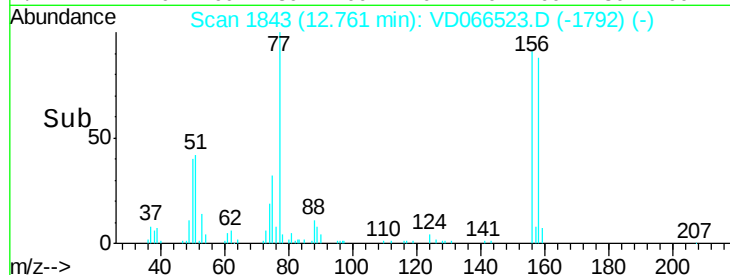
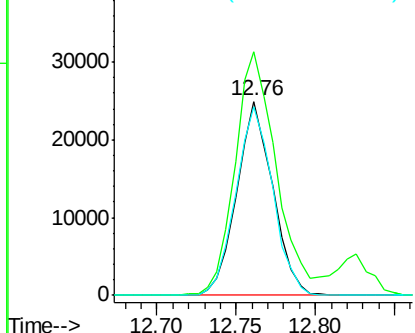
Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	144.7	71.0	213.2	
158	99.5	49.5	148.7	

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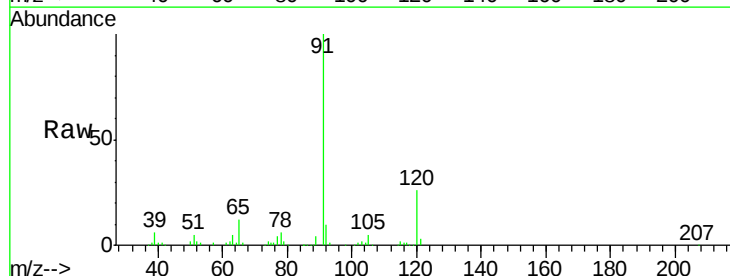


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

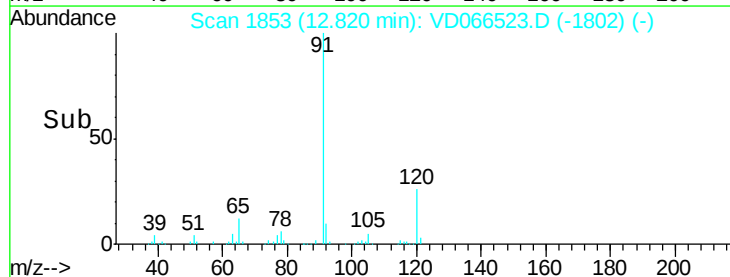
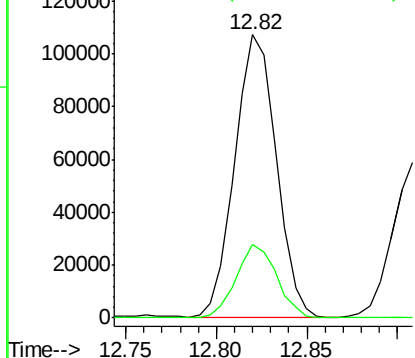


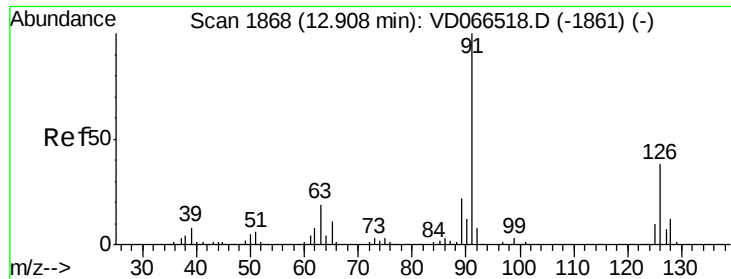
#78
n-propylbenzene
Concen: 20.743 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	25.3	13.0	39.0	



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





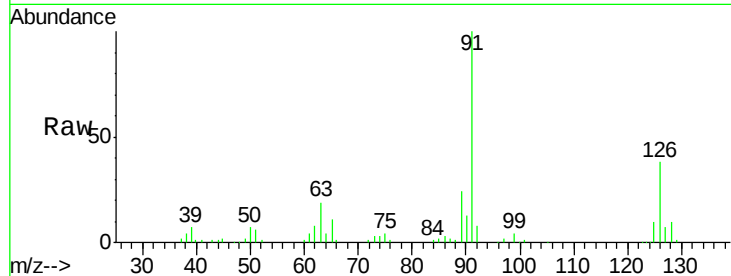
#79
 2-Chlorotoluene
 Concen: 20.758 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

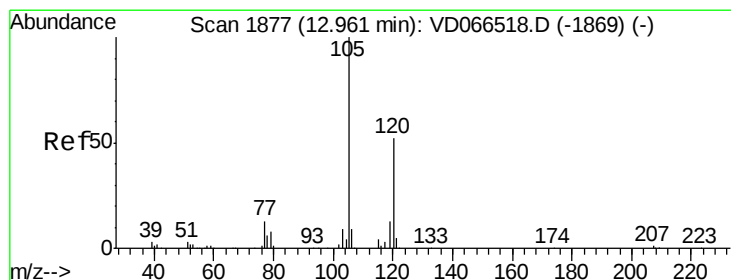
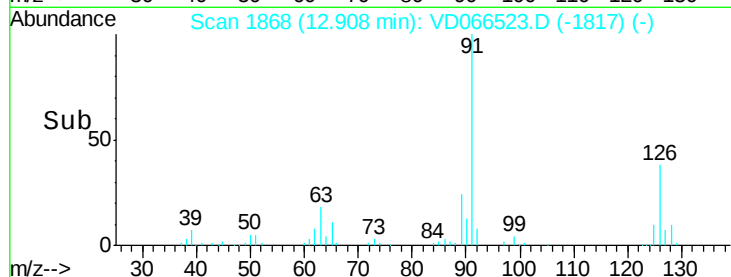
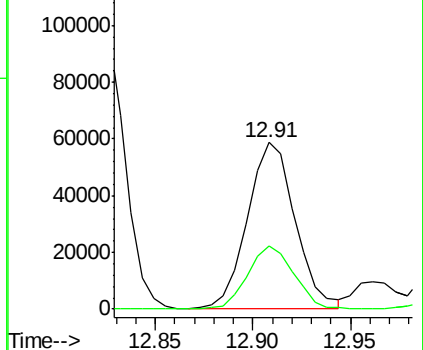
Tot Ion: 91 Resp: 99097
 Ion Ratio Lower Upper
 91 100
 126 36.8 18.7 56.1

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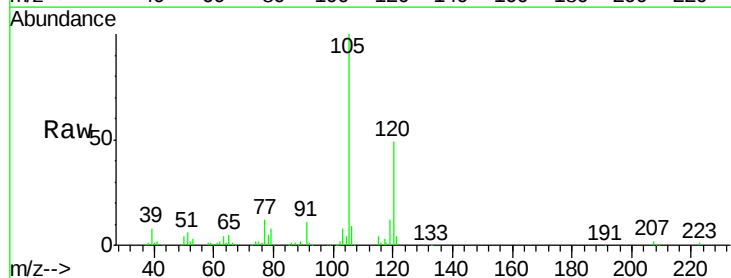


Abundance Ion 91.00 (90.70 to 91.70): VD066523.D (-1817) (-)
 Ion 125.90 (125.60 to 126.60): VD066523.D (-1817) (-)

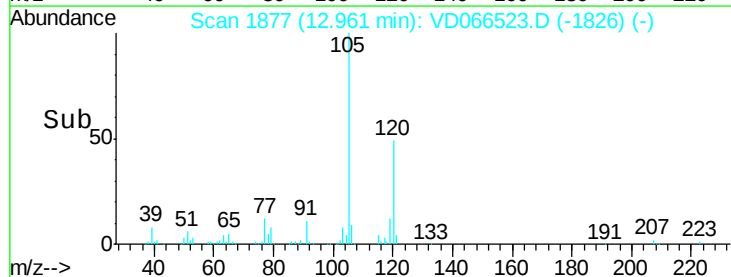
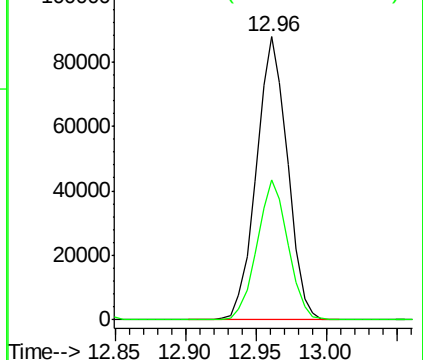


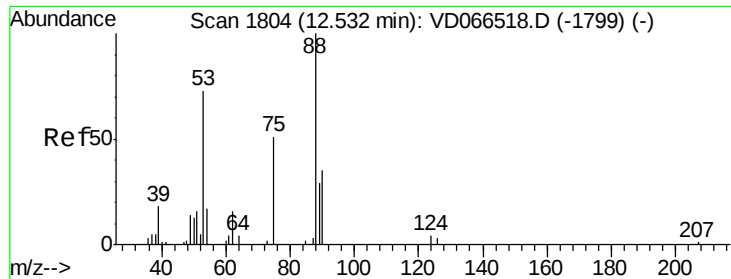
#80
 1,3,5-Trimethylbenzene
 Concen: 20.649 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Tgt Ion:105 Resp: 135926
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VD066523.D (-1826) (-)
 Ion 120.00 (119.70 to 120.70): VD066523.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 23.606 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Instrument :

MSVOA_D

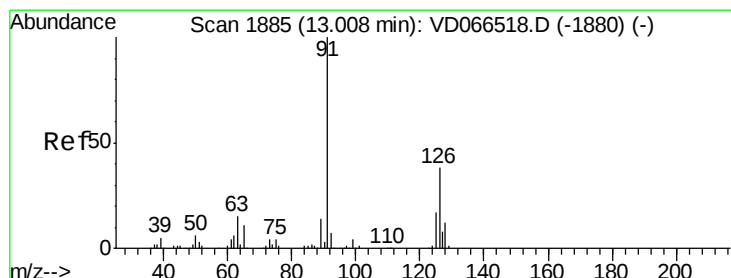
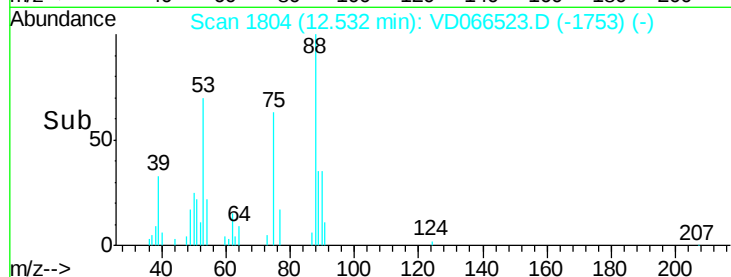
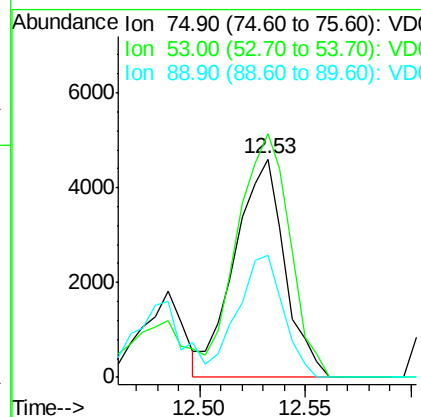
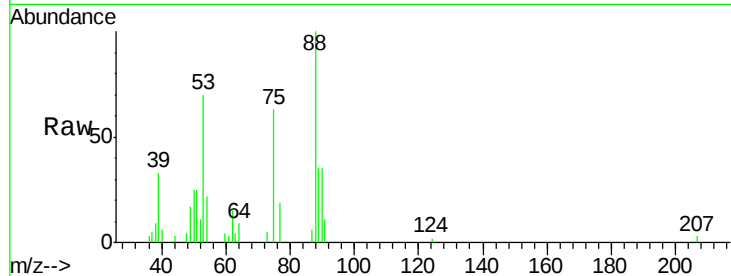
ClientSampleId :

VD0902SBS01

Tot Ion:	75	Resp:	7556
Ion	Ratio	Lower	Upper
75	100		
53	116.2	101.8	152.8
89	51.6	46.0	69.0

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#82

4-Chlorotoluene

Concen: 21.204 ug/l

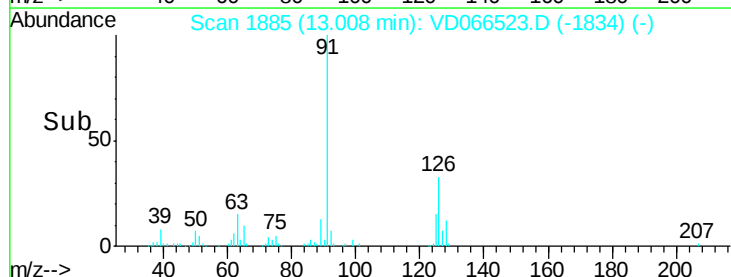
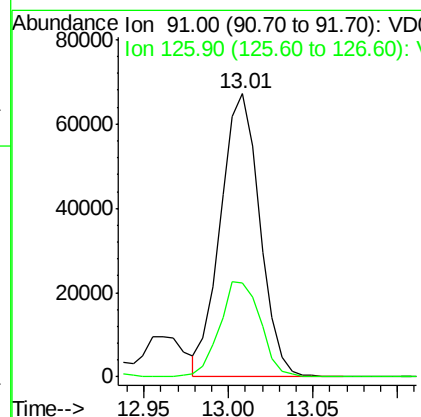
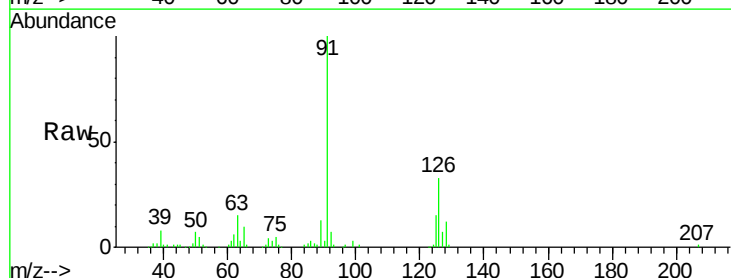
RT: 13.01 min Scan# 1885

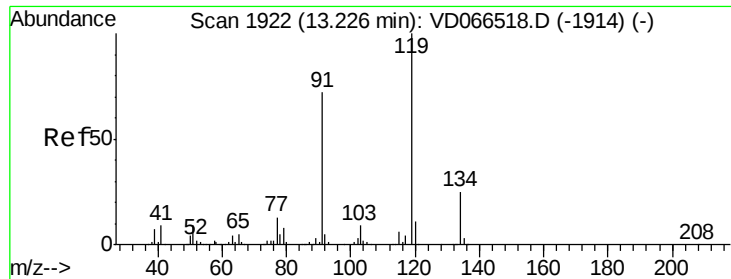
Delta R.T. 0.00 min

Lab File: VD066523.D

Acq: 02 Sep 2020 15:26

Tgt Ion:	91	Resp:	108724
Ion	Ratio	Lower	Upper
91	100		
126	35.0	18.2	54.6





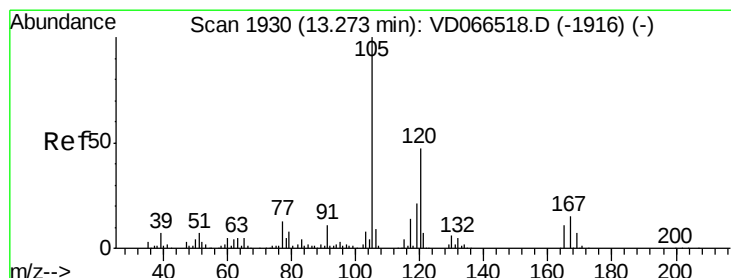
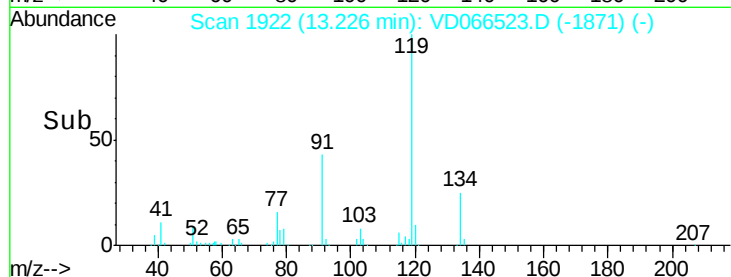
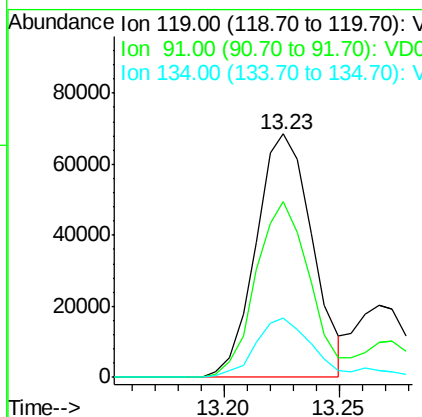
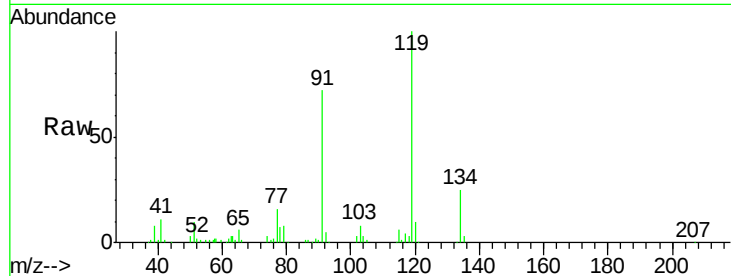
#83
 tert-Butylbenzene
 Concen: 20.063 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	115840		
91	70.3	34.4	103.2	
134	24.1	13.5	40.4	

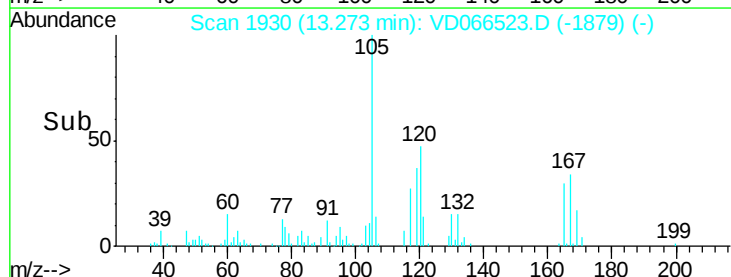
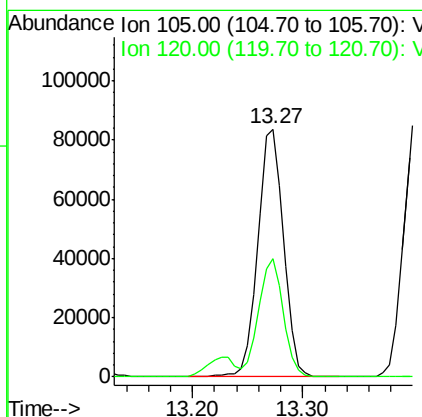
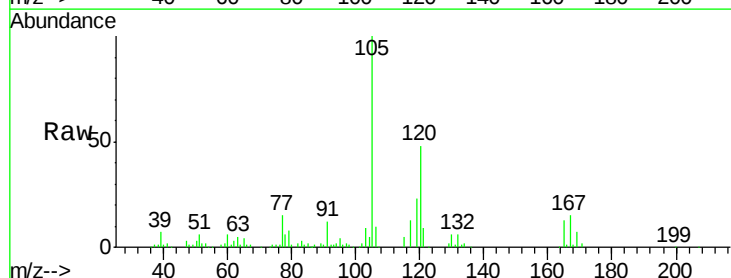
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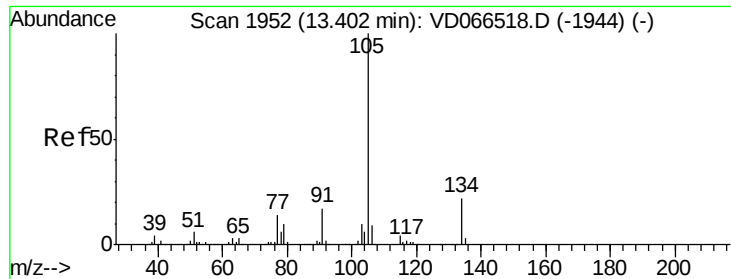
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.822 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	137086		
120	45.6	21.7	65.1	





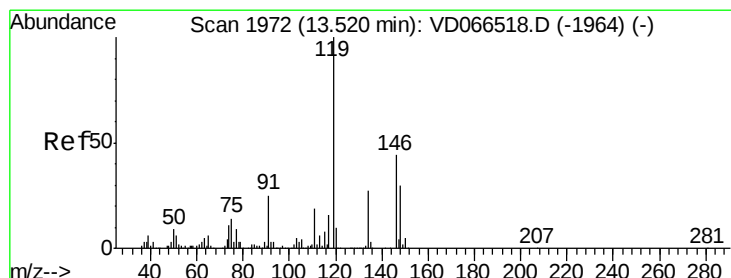
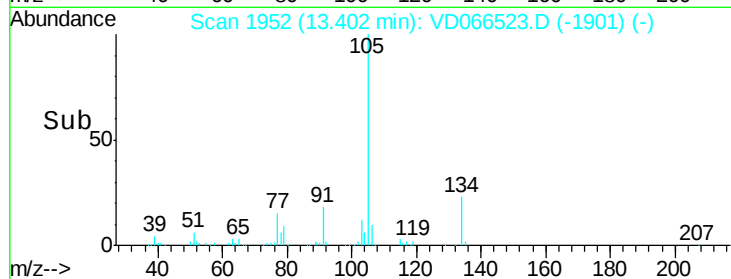
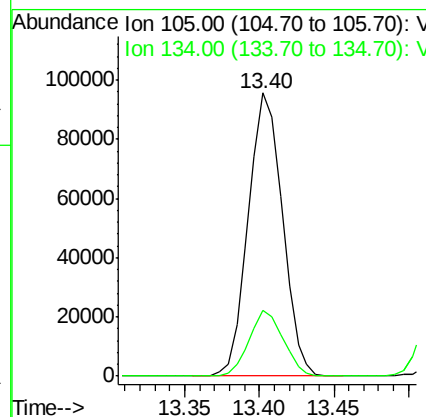
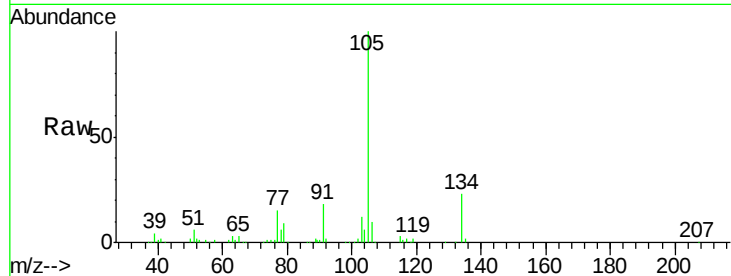
#85
 sec-Butylbenzene
 Concen: 20.747 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	151752		
134	23.0	11.5	34.4	

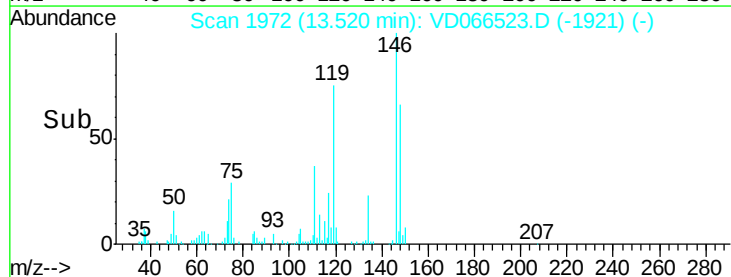
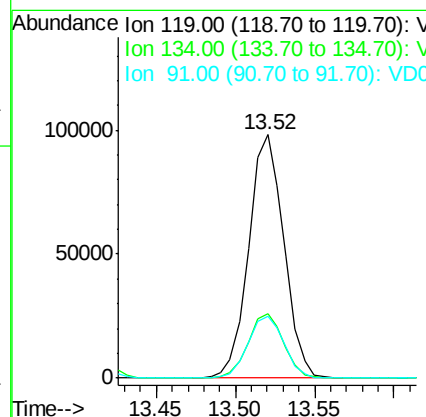
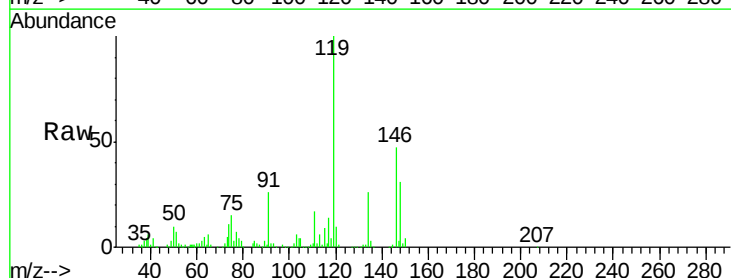
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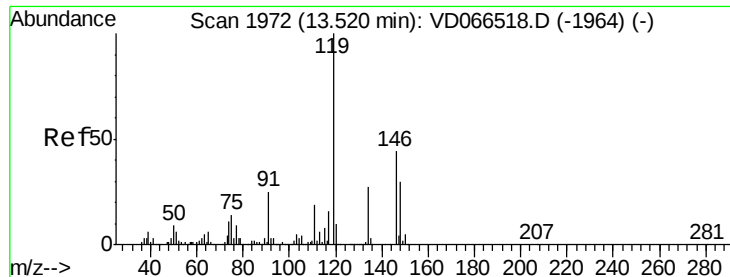
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#86
 p-Isopropyltoluene
 Concen: 20.655 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	151005		
134	26.5	13.5	40.4	
91	26.2	13.0	39.0	





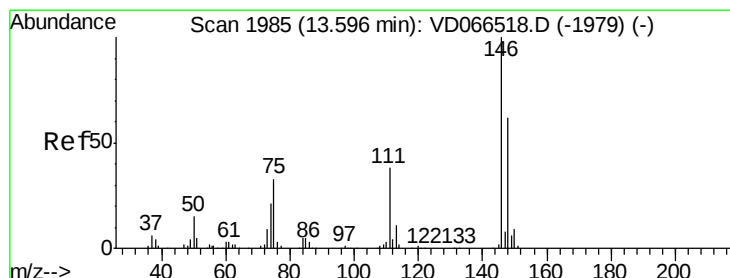
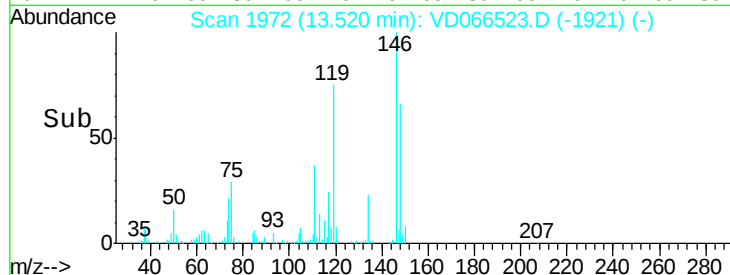
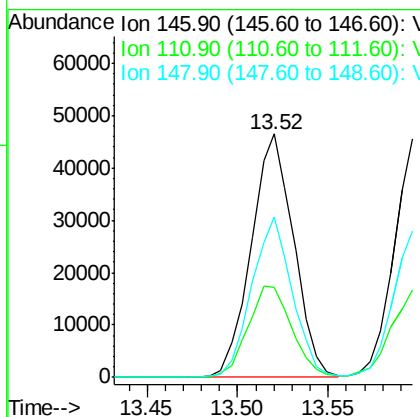
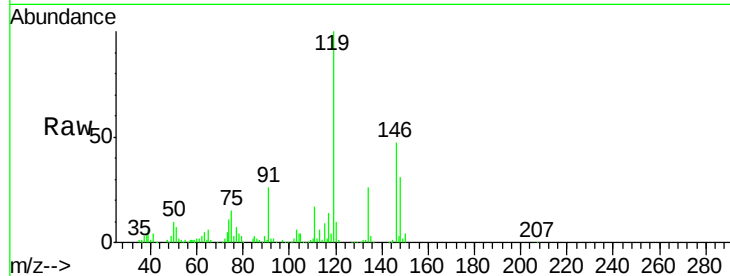
#87
 1,3-Dichlorobenzene
 Concen: 21.204 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.3	61.0
148	63.3	32.3	96.9

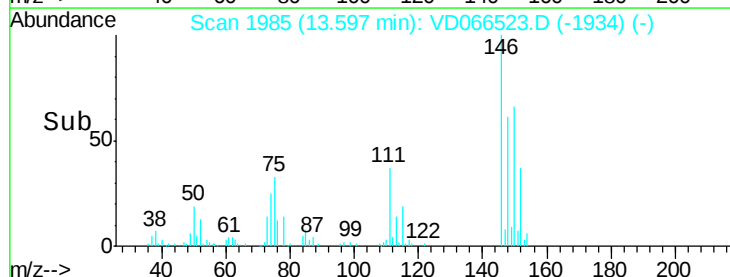
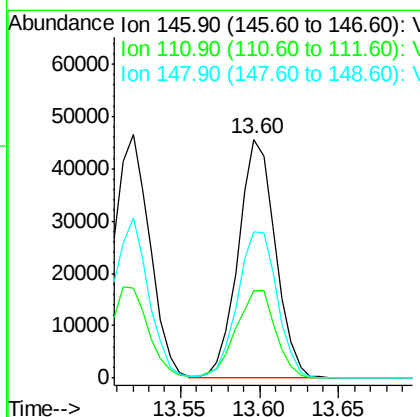
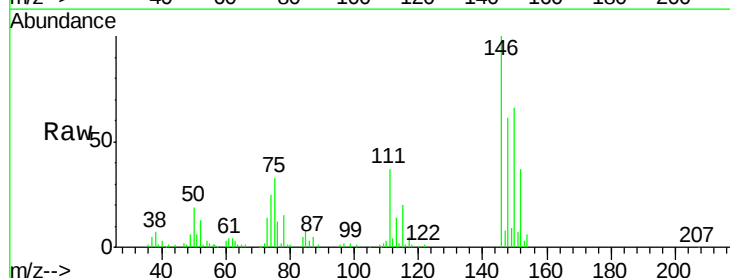
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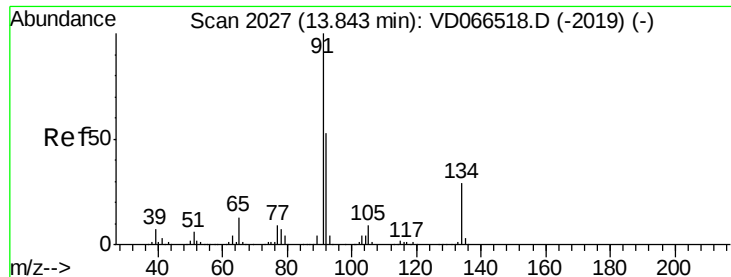
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#88
 1,4-Dichlorobenzene
 Concen: 20.627 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.4	55.4
148	65.2	31.5	94.5





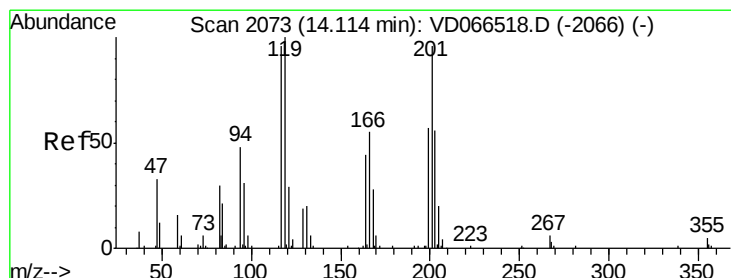
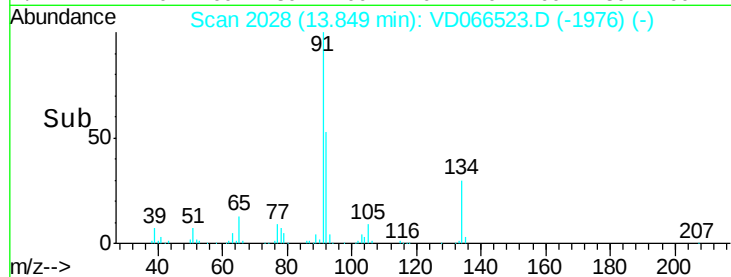
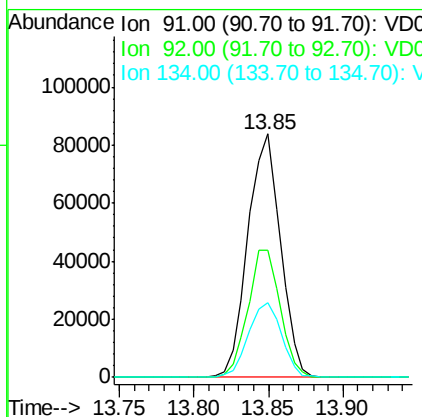
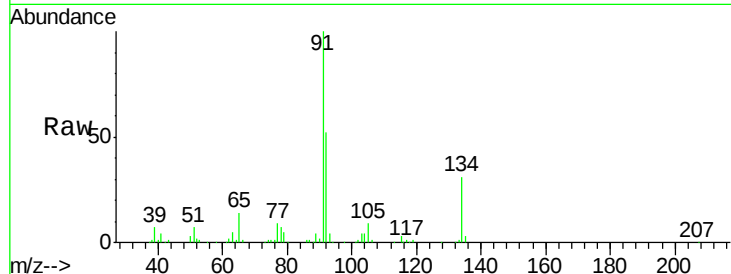
#89
n-Butylbenzene
Concen: 20.654 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	126479		
92	51.9	26.9	80.7	
134	31.2	15.0	45.1	

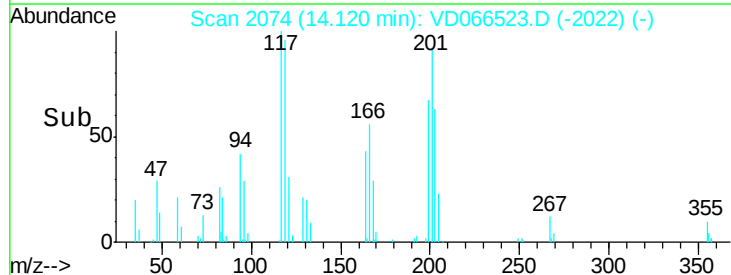
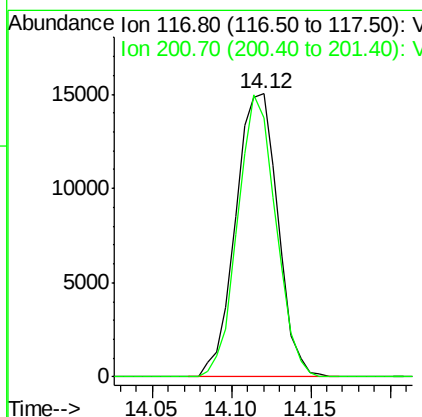
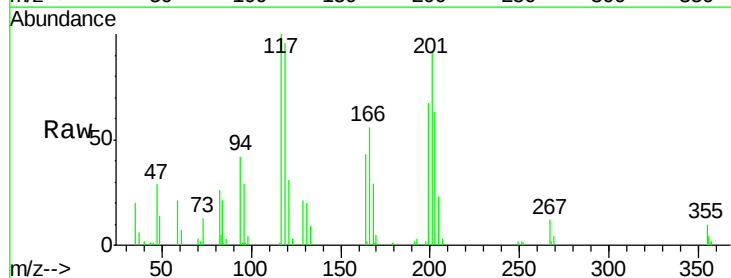
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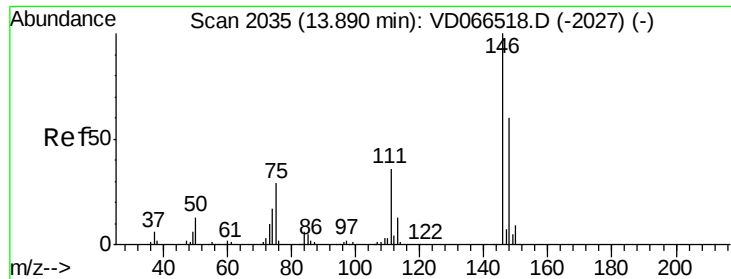
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#90
Hexachloroethane
Concen: 21.186 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27795		
201	89.9	50.0	150.0	





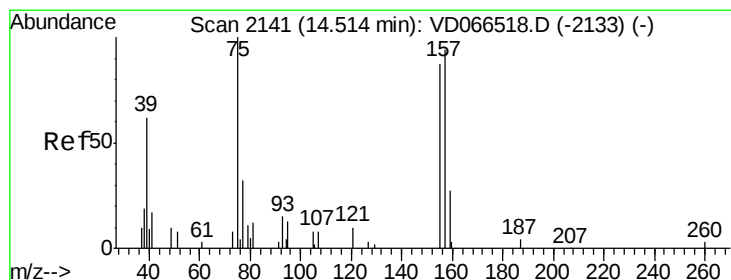
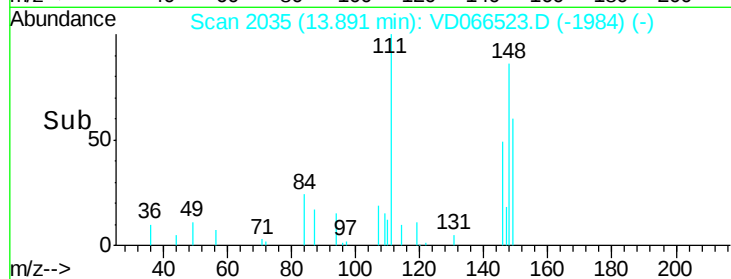
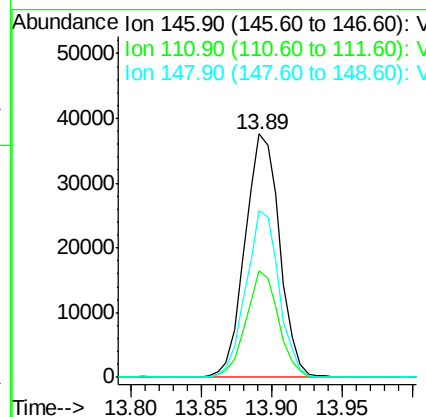
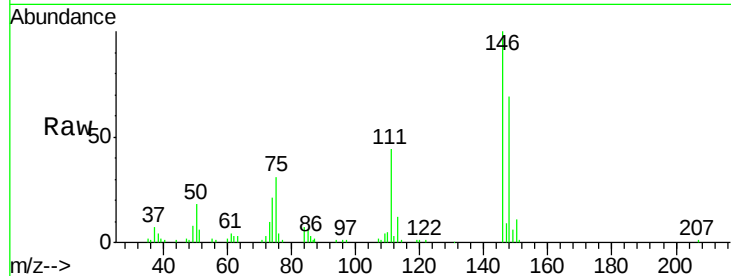
#91
 1,2-Dichlorobenzene
 Concen: 20.872 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.1	60.2
148	65.4	32.3	96.9

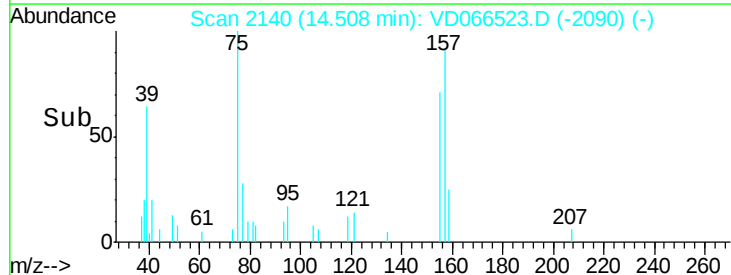
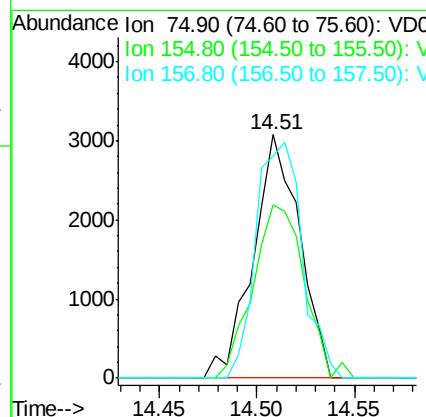
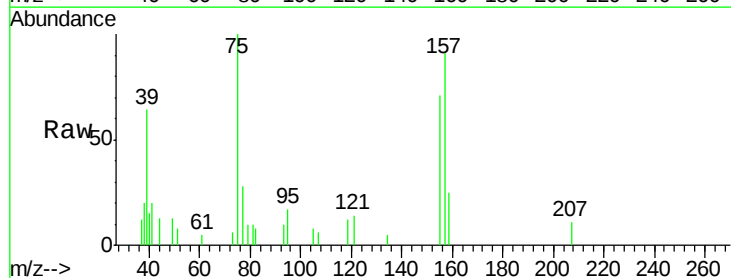
Manual Integrations
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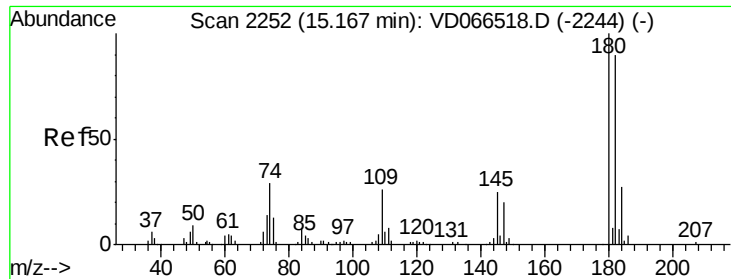
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.452 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	40.8	122.5
157	96.3	49.3	147.8





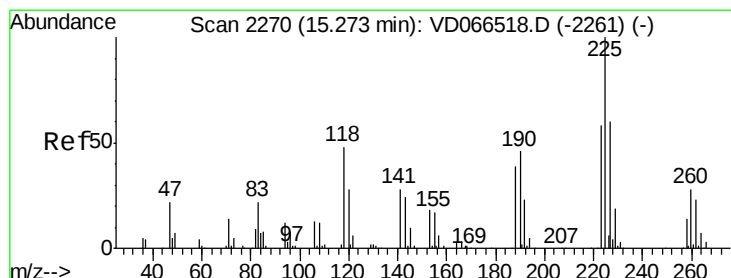
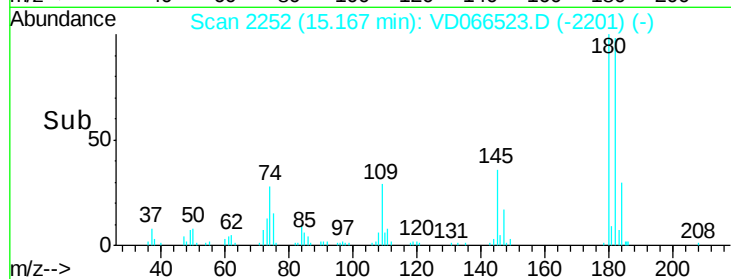
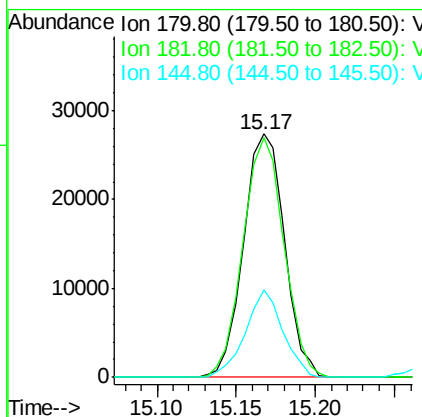
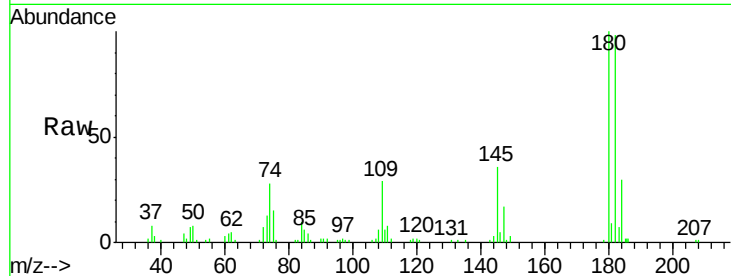
#93
 1,2,4-Trichlorobenzene
 Concen: 20.135 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49261		
182	98.2	46.9	140.6	
145	32.9	15.0	45.1	

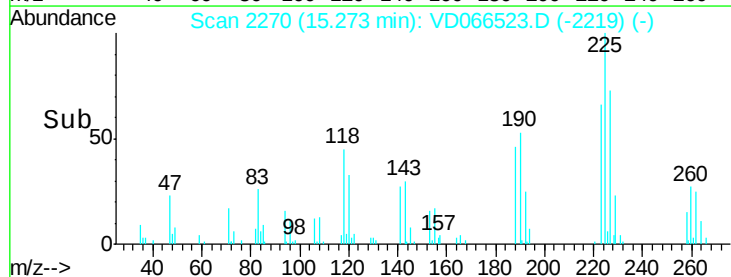
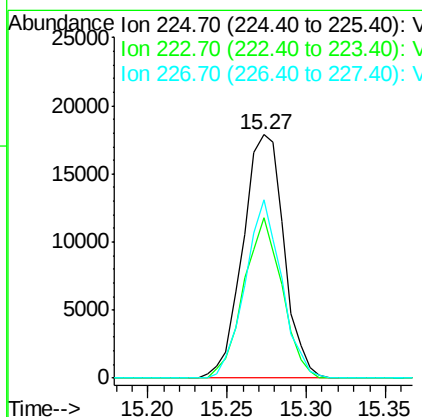
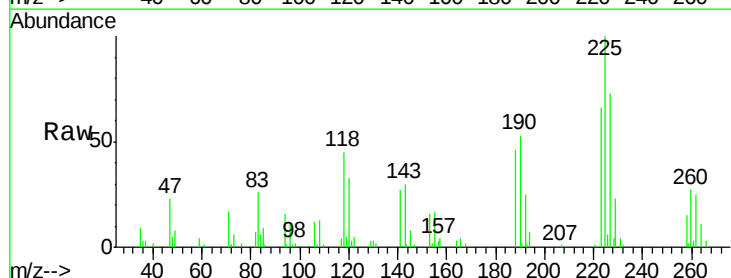
Manual Integrations
 APPROVED

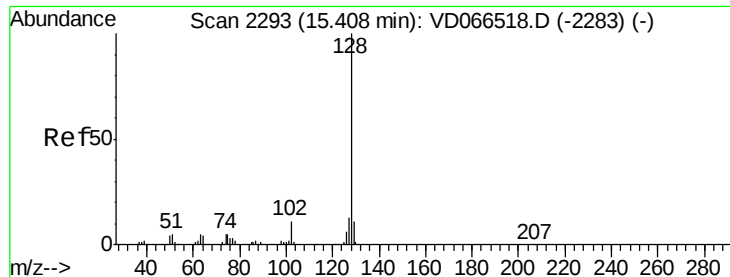
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#94
 Hexachlorobutadiene
 Concen: 20.364 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066523.D
 Acq: 02 Sep 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32296		
223	61.1	31.6	94.7	
227	64.8	31.4	94.3	





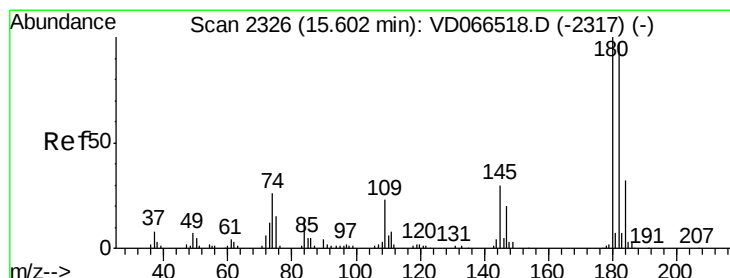
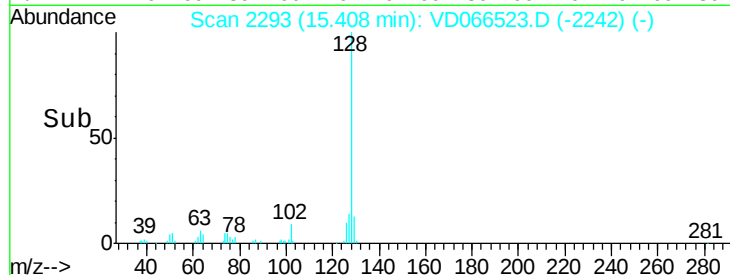
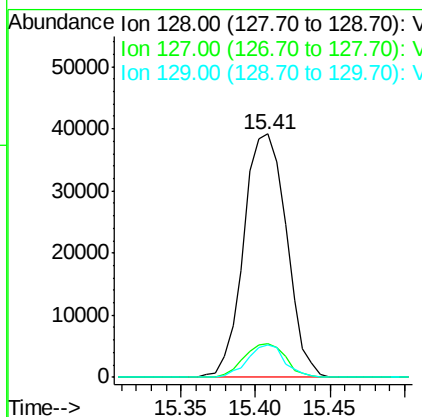
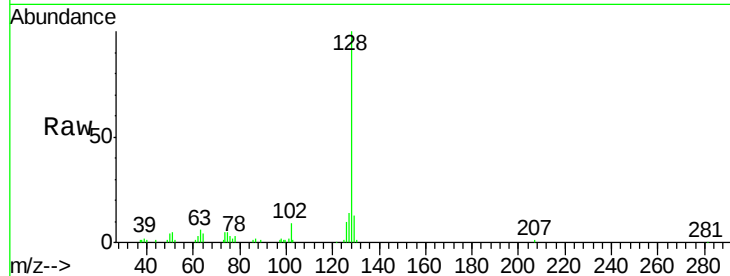
#95
Naphthalene
Concen: 20.392 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion:	128	Resp:	77549
Ion Ratio	Lower	Upper	
128	100		
127	13.4	11.1	16.7
129	11.6	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.943 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066523.D
Acq: 02 Sep 2020 15:26

Tgt Ion:	180	Resp:	44273
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.5	142.5
145	32.7	16.2	48.6

