

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067227.D
 Acq On : 12 Oct 2020 12:08
 Operator : VA/SY
 Sample : VD1012SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/13/2020 1:52:19 PM

Quant Time: Oct 13 00:28:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	379477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	565759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	519974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	165363	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	7.91	113	180353	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.34	98	646761	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.64	95	236339	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79072	23.229	ug/l	96
3) Chloromethane	2.21	50	54967	18.188	ug/l	92
4) Vinyl Chloride	2.35	62	57402	18.943	ug/l	94
5) Bromomethane	2.76	94	41270	18.391	ug/l	86
6) Chloroethane	2.92	64	34205	18.535	ug/l	92
7) Trichlorofluoromethane	3.27	101	141249	20.980	ug/l	98
8) Diethyl Ether	3.71	74	32231	19.306	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	78319	20.582	ug/l	99
10) Methyl Iodide	4.30	142	66799	18.066	ug/l	98
11) Tert butyl alcohol	5.21	59	27868	101.169	ug/l #	86
12) 1,1-Dichloroethene	4.07	96	71132	19.885	ug/l	95
13) Acrolein	3.93	56	15695	64.128	ug/l	93
14) Allyl chloride	4.71	41	78931	16.985	ug/l	91
15) Acrylonitrile	5.42	53	55481	90.294	ug/l	98
16) Acetone	4.16	43	58259	104.415	ug/l	98
17) Carbon Disulfide	4.41	76	201725	18.375	ug/l	98
18) Methyl Acetate	4.72	43	25278	18.026	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	133116	20.384	ug/l	92
20) Methylene Chloride	4.97	84	79251	14.911	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	81065	19.913	ug/l	91
22) Diisopropyl ether	6.36	45	157312	18.542	ug/l	96
23) Vinyl Acetate	6.31	43	422415	87.864	ug/l #	92
24) 1,1-Dichloroethane	6.26	63	127960	19.543	ug/l	98
25) 2-Butanone	7.21	43	67810	85.721	ug/l	93
26) 2,2-Dichloropropane	7.21	77	125398	19.915	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	85752	19.723	ug/l	99
28) Bromochloromethane	7.54	49	41078	16.246	ug/l	86
29) Tetrahydrofuran	7.57	42	39670	87.216	ug/l	96
30) Chloroform	7.71	83	149027	20.982	ug/l	97
31) Cyclohexane	7.99	56	101451	18.482	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	140976	21.417	ug/l	97
36) 1,1-Dichloropropene	8.11	75	108912	20.653	ug/l	99
37) Ethyl Acetate	7.29	43	31910	17.467	ug/l #	78
38) Carbon Tetrachloride	8.10	117	132906	23.293	ug/l	94

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MMDadoda
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 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	115867	20.782	ug/l	90
40) Benzene	8.35	78	301130	20.559	ug/l	95
41) Methacrylonitrile	7.53	41	20823m	21.098	ug/l	
42) 1,2-Dichloroethane	8.43	62	87314	21.333	ug/l	98
43) Isopropyl Acetate	8.45	43	63259	18.796	ug/l	95
44) Trichloroethene	9.11	130	93240	21.318	ug/l	100
45) 1,2-Dichloropropane	9.38	63	68808	19.993	ug/l	100
46) Dibromomethane	9.47	93	40297	20.372	ug/l	93
47) Bromodichloromethane	9.66	83	110448	21.480	ug/l	94
48) Methyl methacrylate	9.46	41	30122	17.470	ug/l #	76
49) 1,4-Dioxane	9.46	88	7793	377.484	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	155336	92.663	ug/l	99
52) Toluene	10.40	92	206414	21.876	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	98071	21.341	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	115277	20.543	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	58087	21.122	ug/l	95
56) Ethyl methacrylate	10.66	69	59450	20.938	ug/l	94
57) 1,3-Dichloropropane	10.95	76	92360	20.710	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	161574	102.242	ug/l	98
59) 2-Hexanone	10.98	43	107157	95.772	ug/l	95
60) Dibromochloromethane	11.14	129	80733	22.026	ug/l	97
61) 1,2-Dibromoethane	11.25	107	56643	21.439	ug/l	100
64) Tetrachloroethene	10.88	164	84893	22.457	ug/l	96
65) Chlorobenzene	11.67	112	220614	21.333	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	88097	22.395	ug/l	98
67) Ethyl Benzene	11.75	91	389523	21.983	ug/l	100
68) m/p-Xylenes	11.86	106	305396	44.225	ug/l	97
69) o-Xylene	12.18	106	137642	22.289	ug/l	98
70) Styrene	12.20	104	239377	22.575	ug/l	100
71) Bromoform	12.37	173	45832	22.445	ug/l #	96
73) Isopropylbenzene	12.48	105	388767	21.479	ug/l	100
74) N-amyl acetate	12.29	43	57332	17.620	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	57316	18.795	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	51862m	22.336	ug/l	
77) Bromobenzene	12.77	156	94351	21.588	ug/l	93
78) n-propylbenzene	12.83	91	450045	21.039	ug/l	99
79) 2-Chlorotoluene	12.91	91	260871	21.315	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	336928	22.032	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18654	20.030	ug/l	96
82) 4-Chlorotoluene	13.01	91	274614	21.089	ug/l	100
83) tert-Butylbenzene	13.23	119	278419	21.620	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	330356	21.647	ug/l	98
85) sec-Butylbenzene	13.41	105	384611	21.208	ug/l	97
86) p-Isopropyltoluene	13.53	119	357474	21.262	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	176067	20.682	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	179672	21.108	ug/l	100
89) n-Butylbenzene	13.85	91	320414	20.852	ug/l	99
90) Hexachloroethane	14.12	117	60608	20.579	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	155223	20.878	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9821	19.978	ug/l	97

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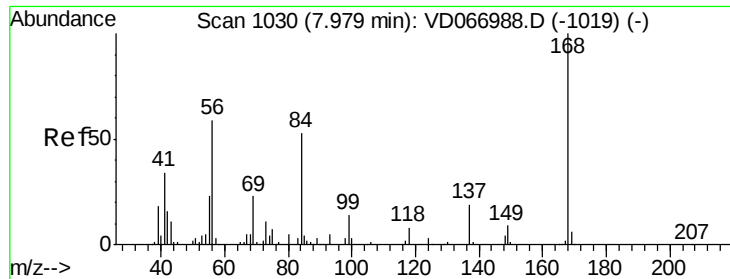
Manual Integrations
APPROVED

MMDadoda
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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	106167	22.077	ug/l	98
94) Hexachlorobutadiene	15.28	225	66747	22.600	ug/l	99
95) Naphthalene	15.41	128	160521	20.012	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	91921	22.019	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion:168 Resp: 379477

Ion Ratio Lower Upper

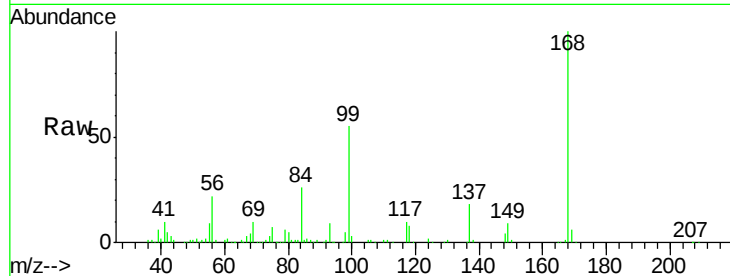
168 100

99 54.3 44.1 66.1

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

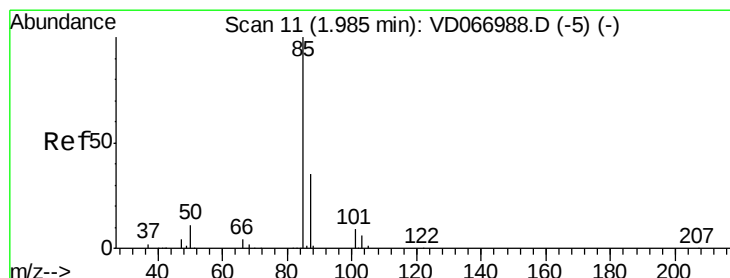
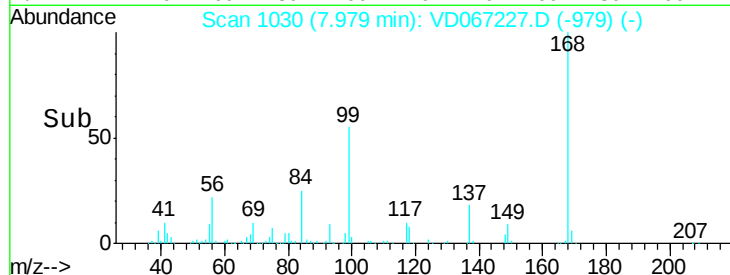
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.229 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067227.D

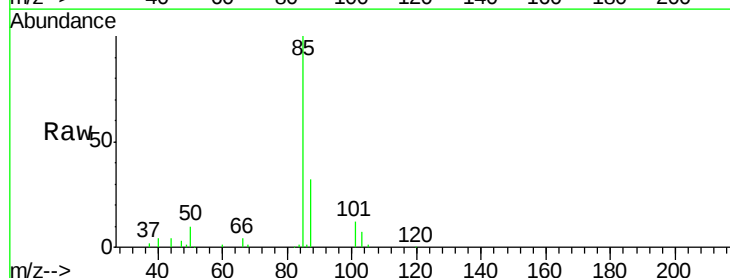
Acq: 12 Oct 2020 12:08

Tgt Ion: 85 Resp: 79072

Ion Ratio Lower Upper

85 100

87 32.2 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

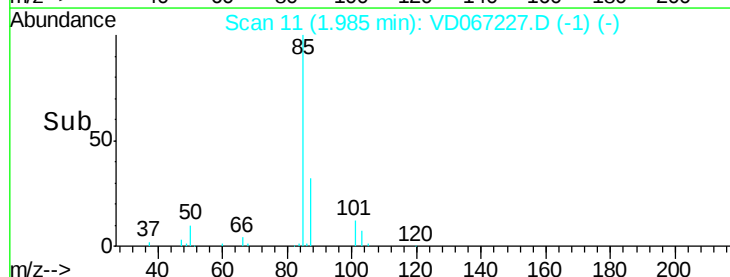
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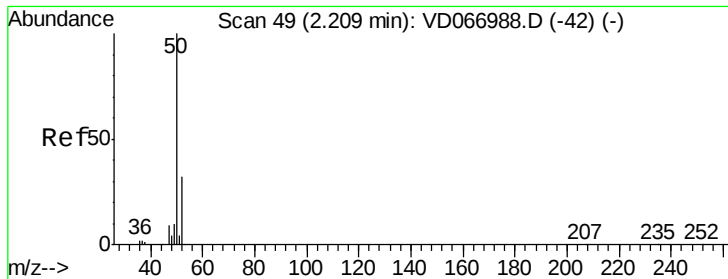
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.188 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 50 Resp: 54967

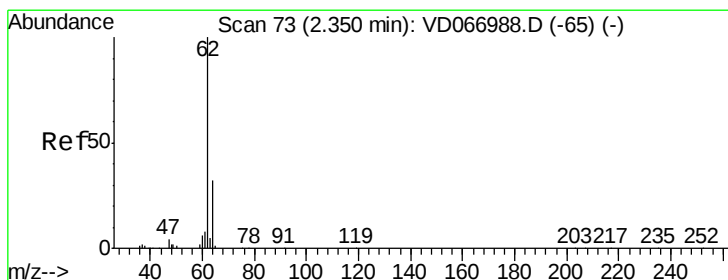
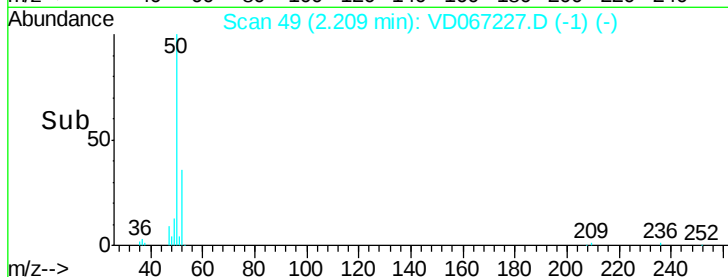
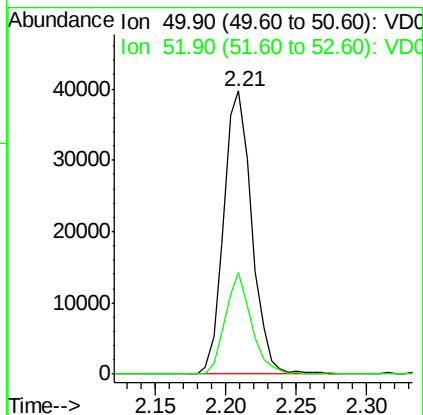
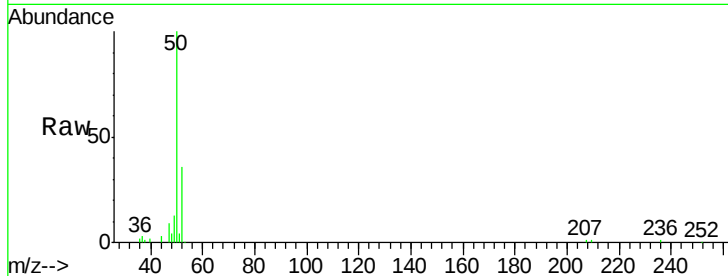
Ion Ratio Lower Upper

50 100

52 35.9 25.3 37.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.943 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067227.D

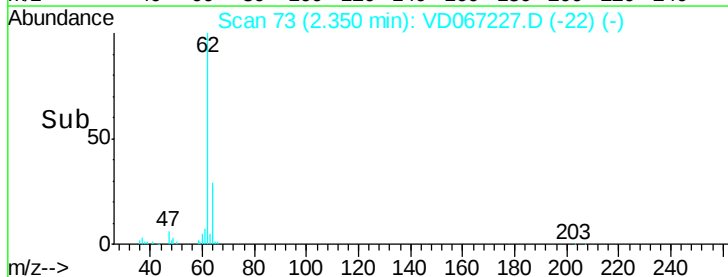
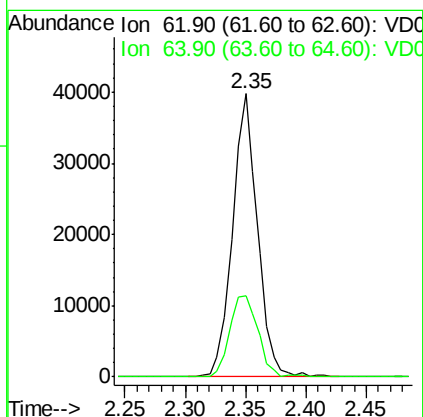
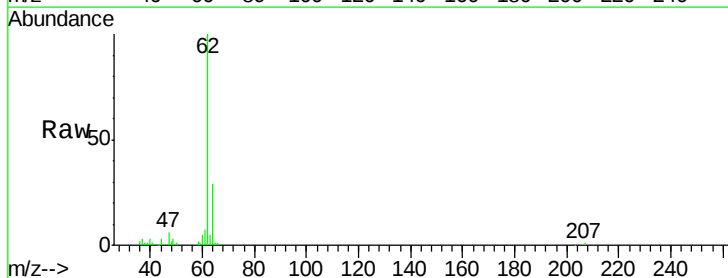
Acq: 12 Oct 2020 12:08

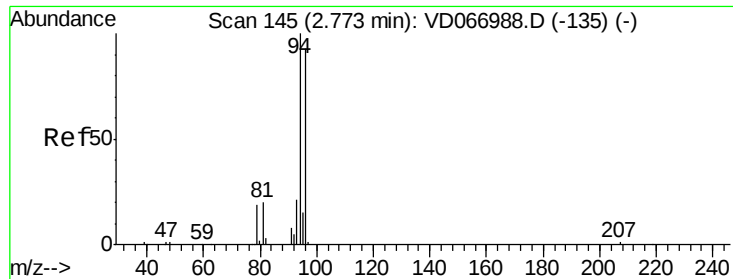
Tgt Ion: 62 Resp: 57402

Ion Ratio Lower Upper

62 100

64 28.7 25.8 38.8





#5

Bromomethane

Concen: 18.391 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 94 Resp: 41270

Ion Ratio Lower Upper

94 100

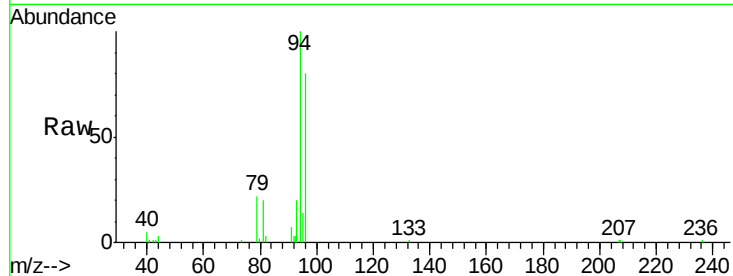
96 79.8 74.6 112.0

Manual Integrations

APPROVED

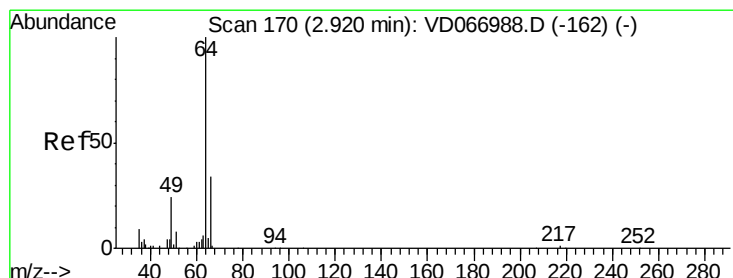
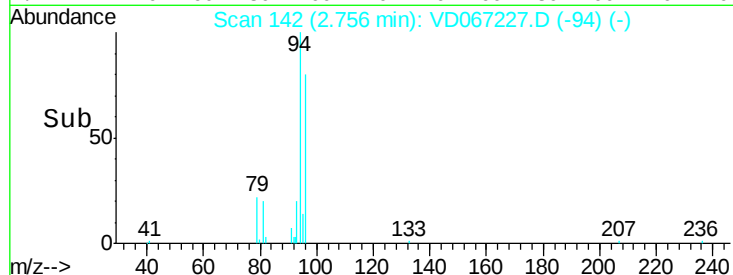
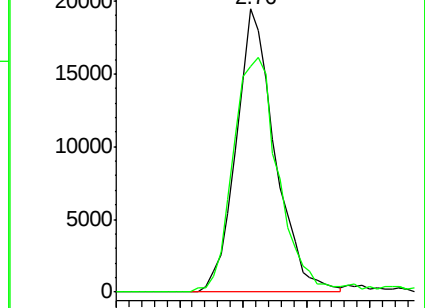
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.535 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067227.D

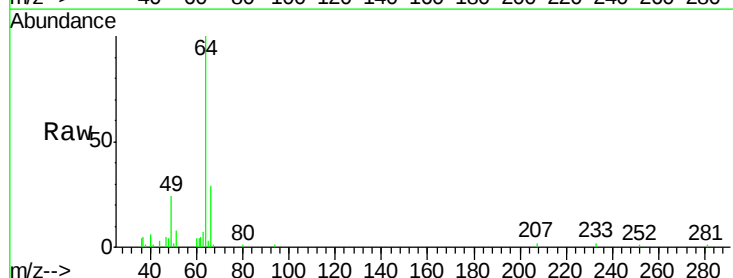
Acq: 12 Oct 2020 12:08

Tgt Ion: 64 Resp: 34205

Ion Ratio Lower Upper

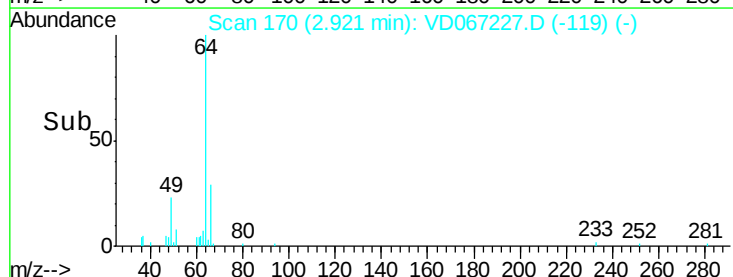
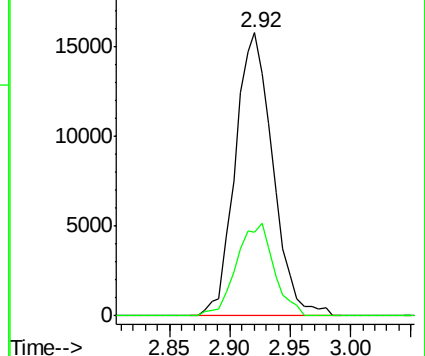
64 100

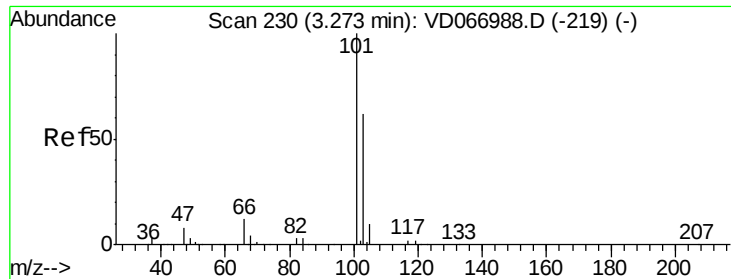
66 29.4 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

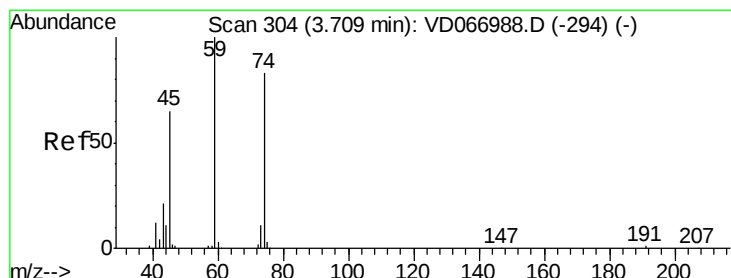
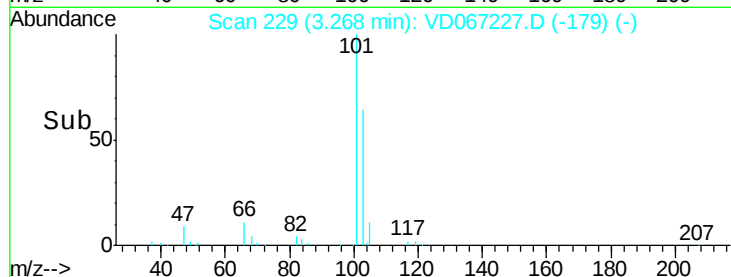
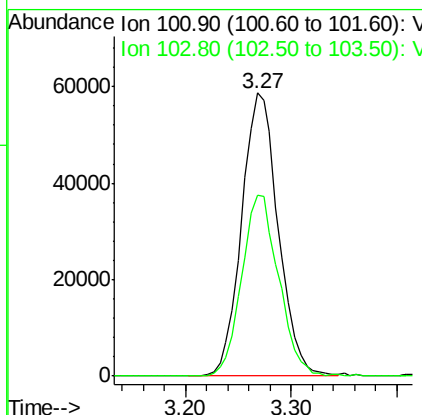
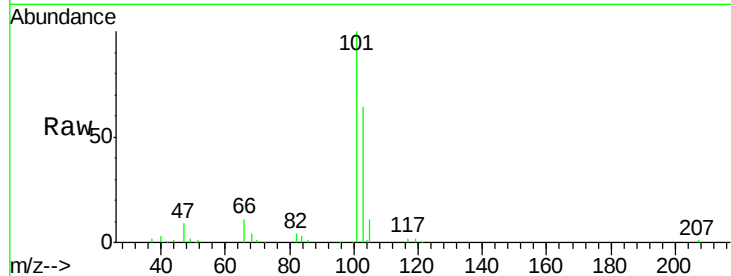
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

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VD1012SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	49.8	74.8

Manual Integrations
APPROVED

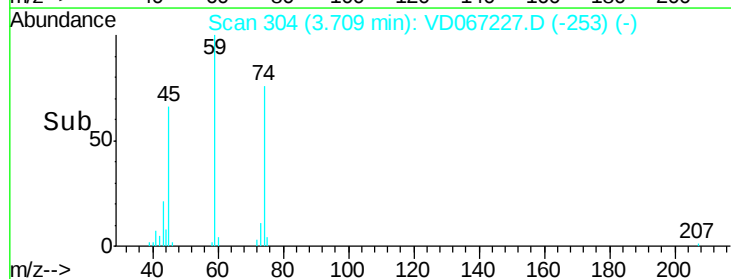
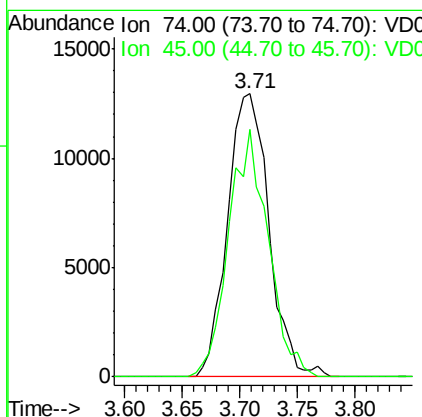
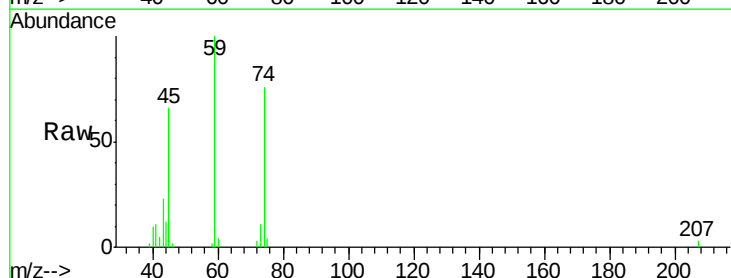
MMDadoda
10/13/2020 1:52:19 PM

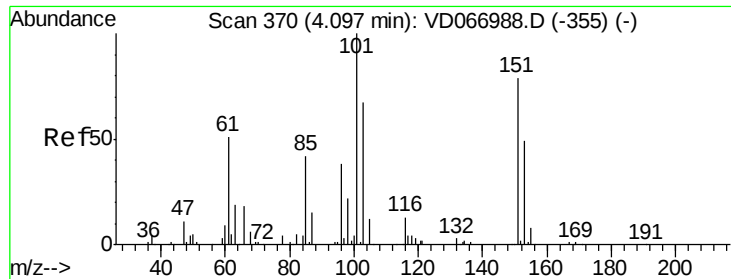


#8

Diethyl Ether
Concen: 19.306 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.4	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.582 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

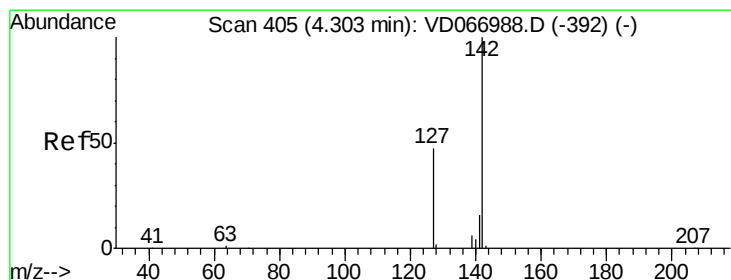
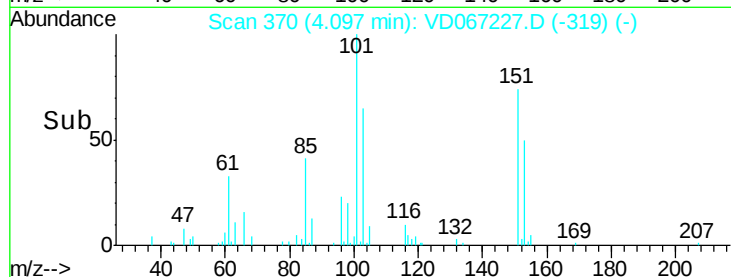
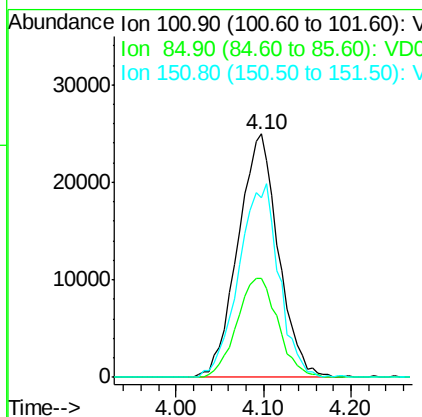
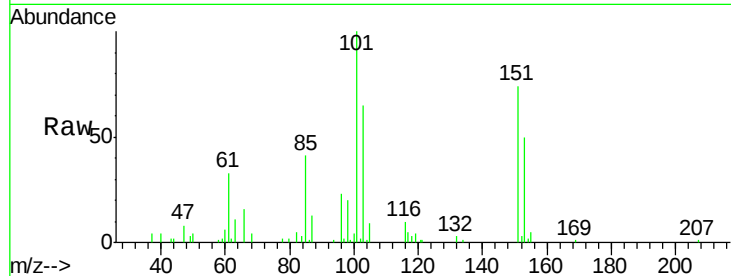
ClientSampleId :

VD1012SBS01

Tot Ion:	101	Resp:	78319
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.8	50.8
151	78.8	63.8	95.8

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#10

Methyl Iodide

Concen: 18.066 ug/l

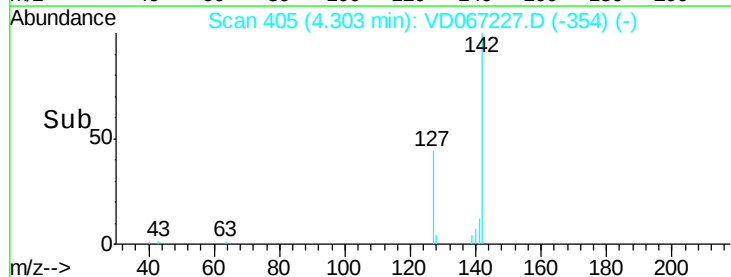
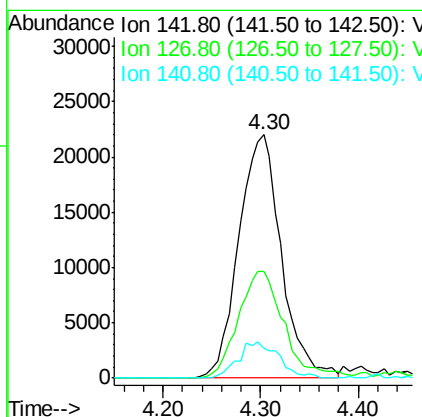
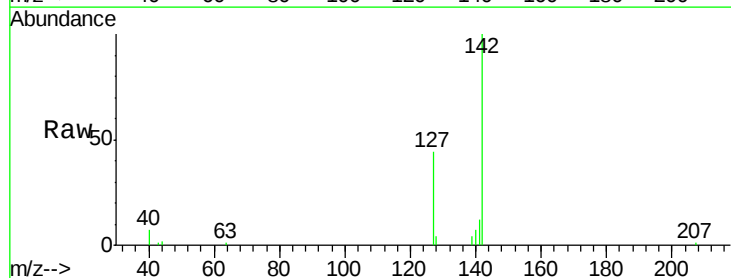
RT: 4.30 min Scan# 405

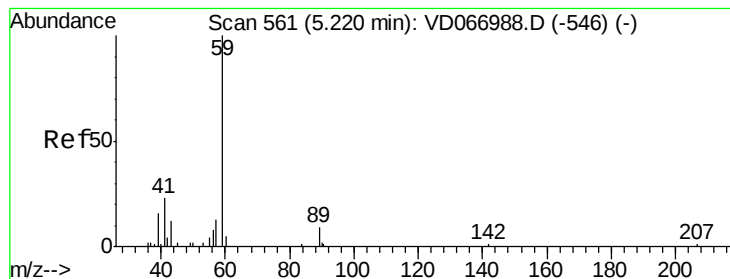
Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Tgt Ion:	142	Resp:	66799
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.3	54.5
141	14.1	12.0	18.0





#11

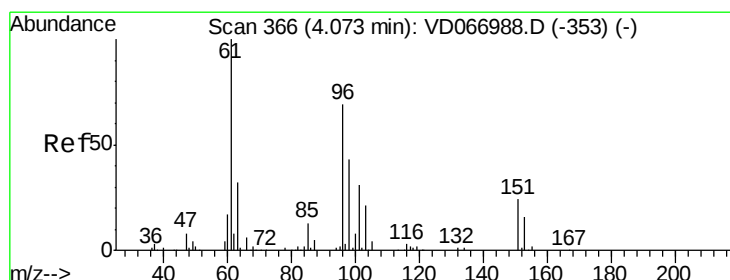
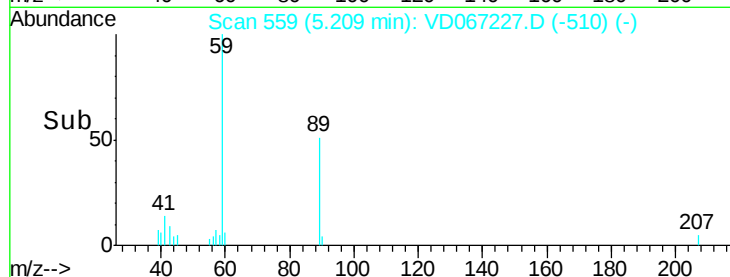
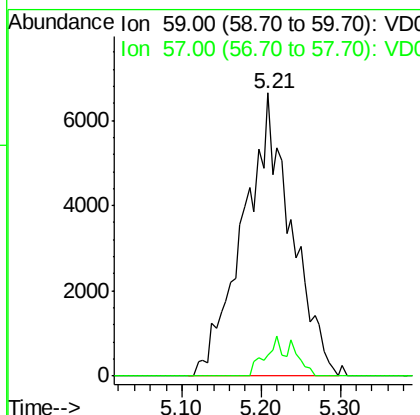
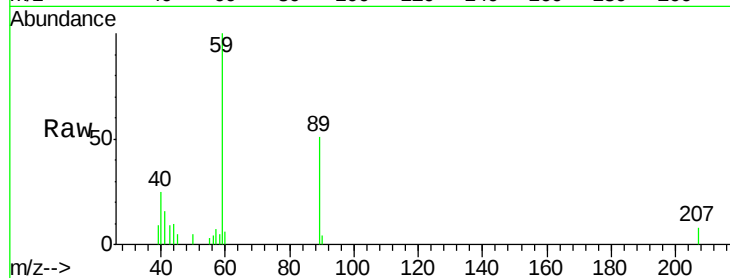
Tert butyl alcohol
Concen: 101.169 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	27868		
57	5.3		8.2	12.4#

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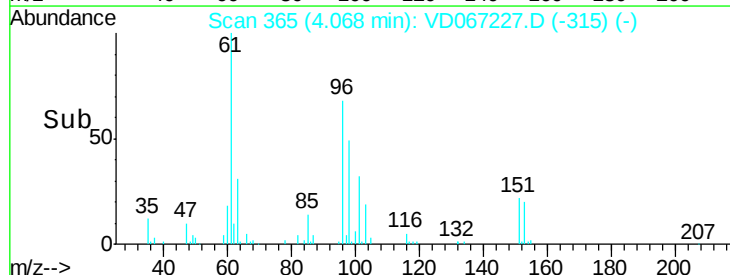
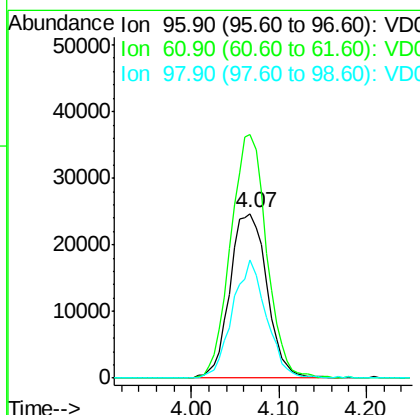
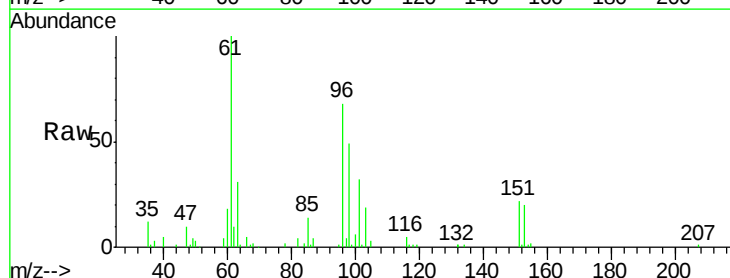
MMDadoda
10/13/2020 1:52:19 PM

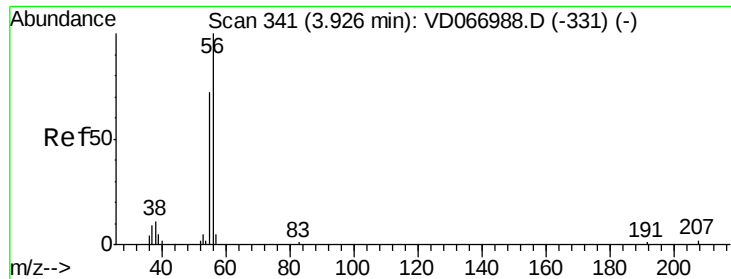


#12

1,1-Dichloroethene
Concen: 19.885 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	71132		
61	147.8		116.4	174.6
98	72.1		49.9	74.9





#13

Acrolein

Concen: 64.128 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 56 Resp: 15695

Ion Ratio Lower Upper

56 100

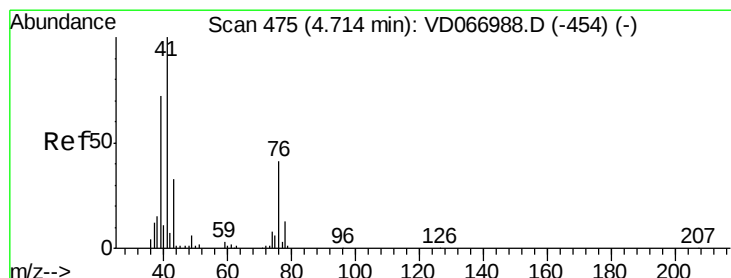
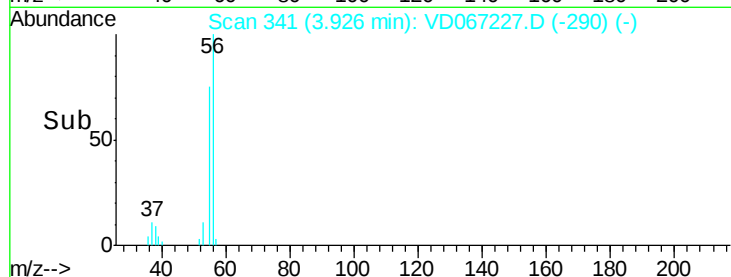
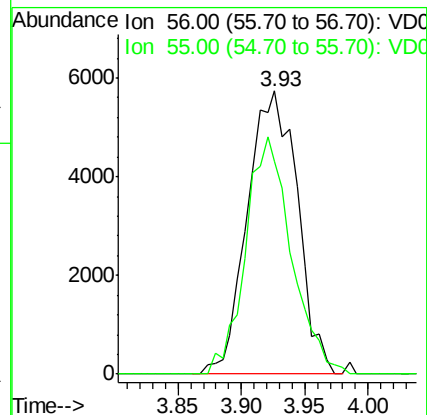
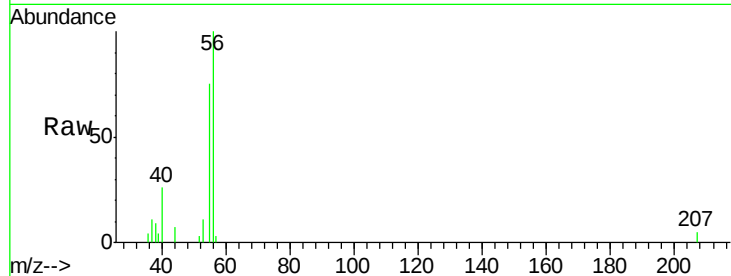
55 77.1 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 16.985 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

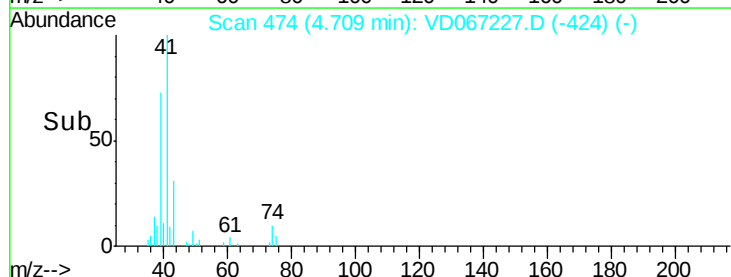
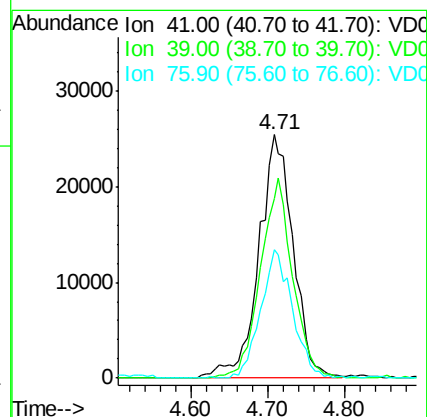
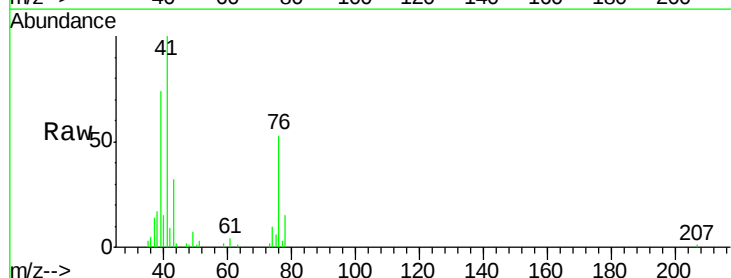
Tgt Ion: 41 Resp: 78931

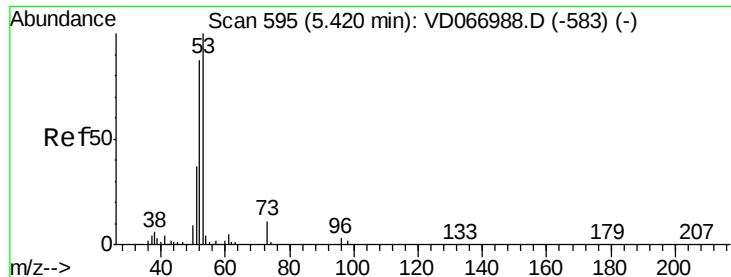
Ion Ratio Lower Upper

41 100

39 77.1 56.2 84.2

76 48.7 34.2 51.2





#15

Acrylonitrile

Concen: 90.294 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

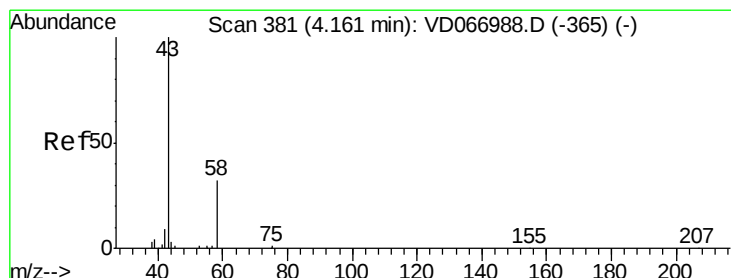
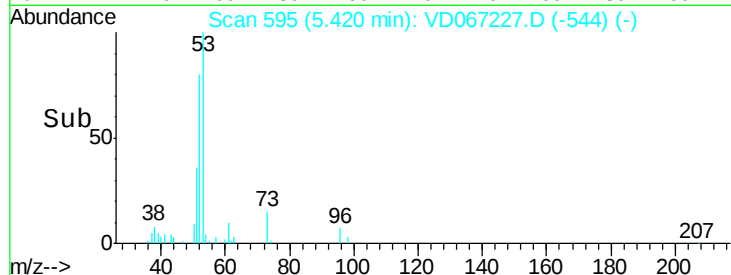
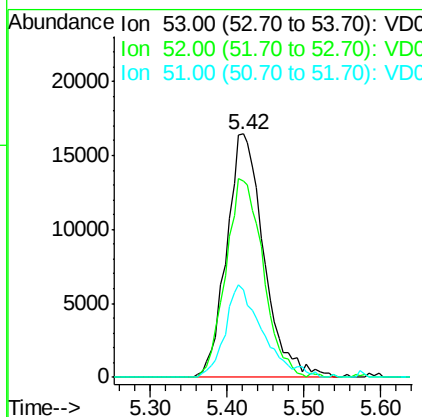
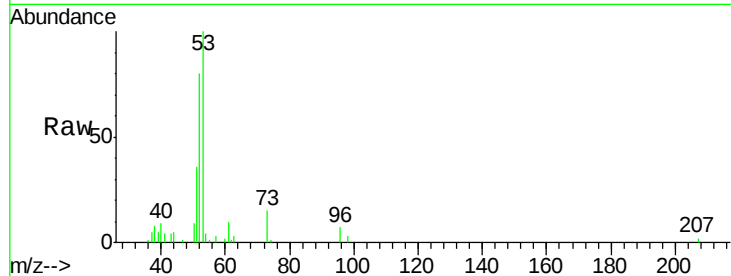
ClientSampleId :

VD1012SBS01

Tot Ion:	53	Resp:	55481
Ion	Ratio	Lower	Upper
53	100		
52	81.4	67.3	100.9
51	38.4	30.2	45.2

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#16

Acetone

Concen: 104.415 ug/l

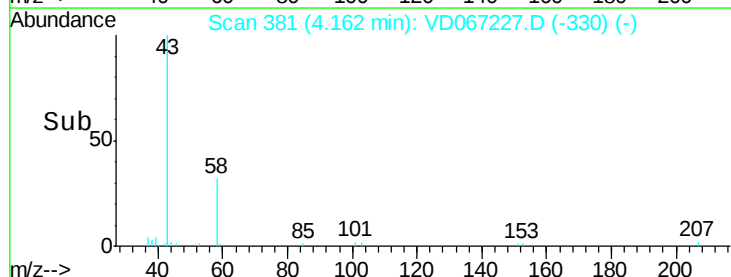
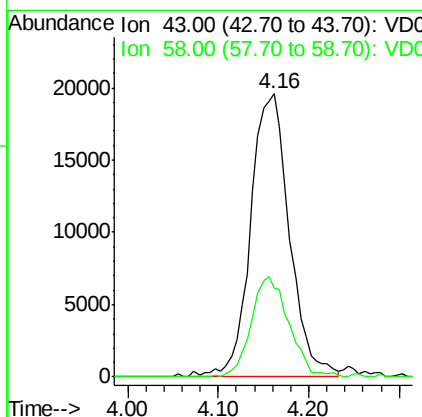
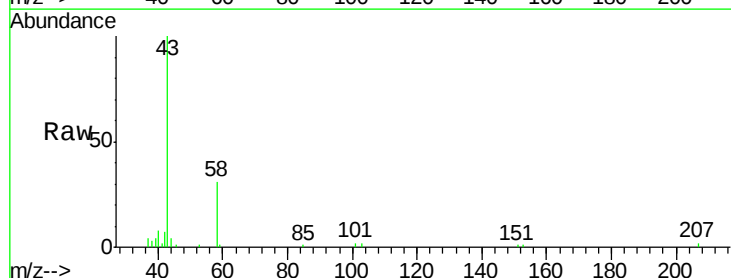
RT: 4.16 min Scan# 381

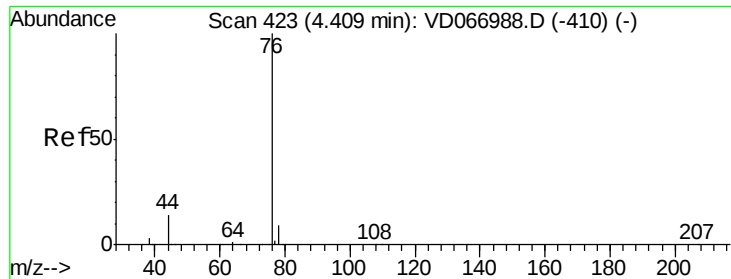
Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Tgt Ion:	43	Resp:	58259
Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.9	38.9





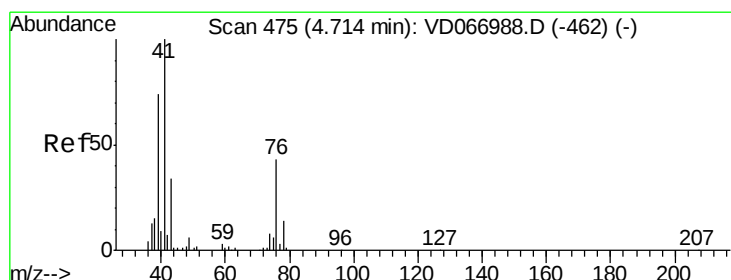
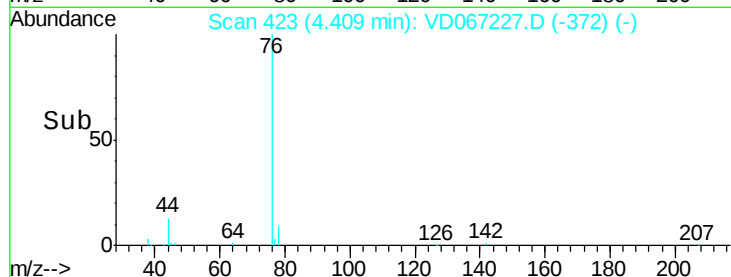
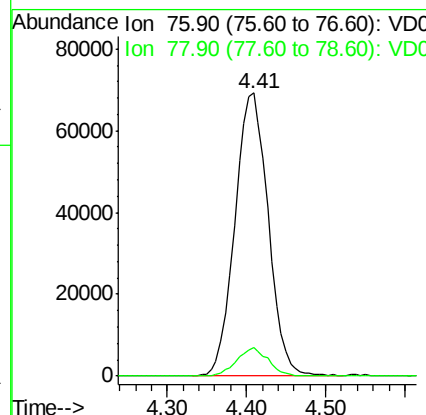
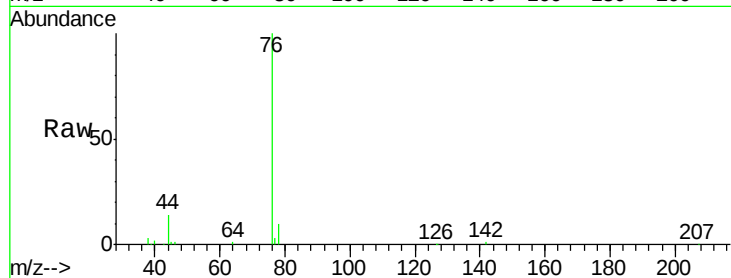
#17
Carbon Disulfide
Concen: 18.375 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.5	11.3

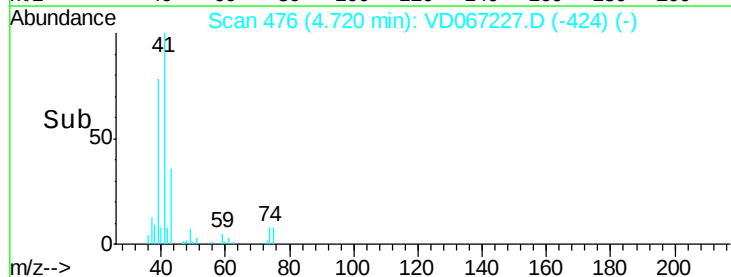
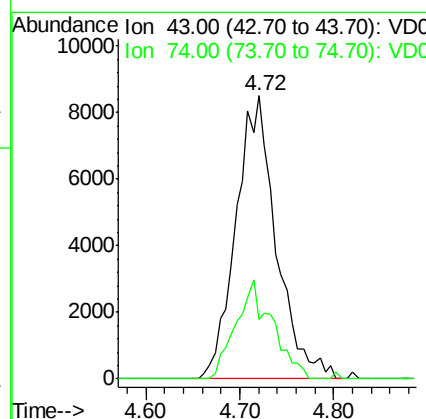
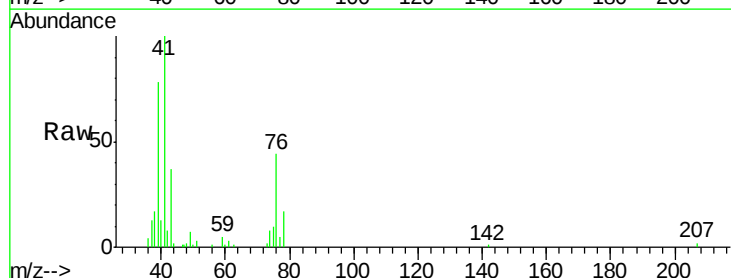
Manual Integrations
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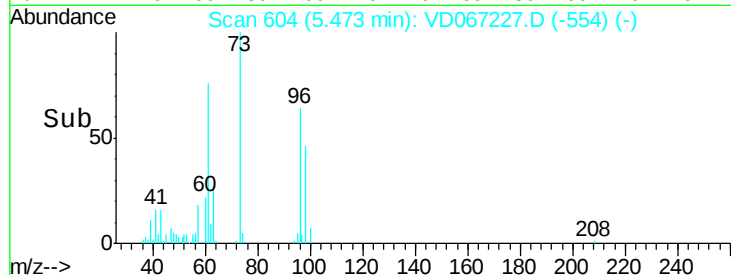
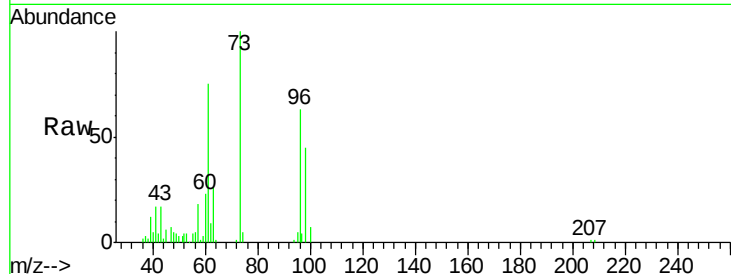
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#18
Methyl Acetate
Concen: 18.026 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.6	21.5	32.3





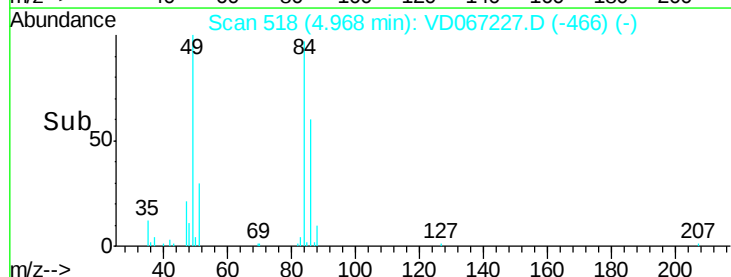
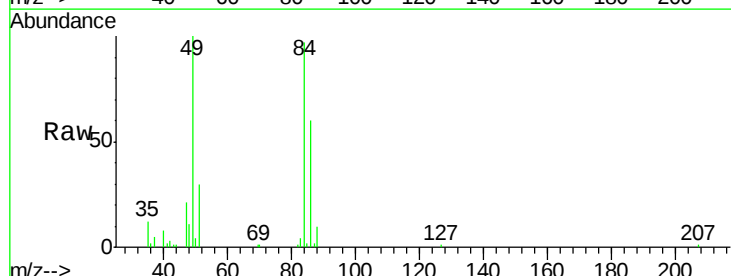
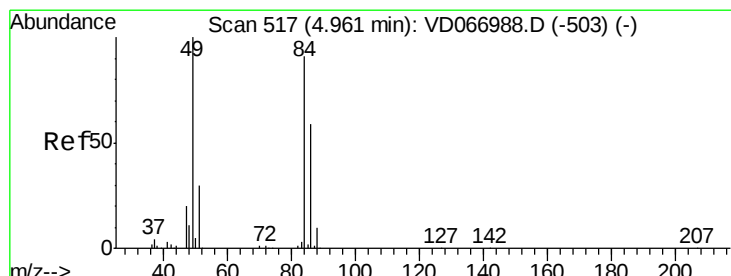
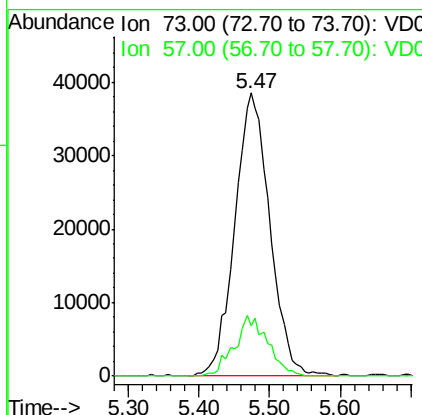
#19
Methyl tert-butyl Ether
Concen: 20.384 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tot Ion: 73 Resp: 133116
Ion Ratio Lower Upper
73 100
57 17.9 17.4 26.0

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

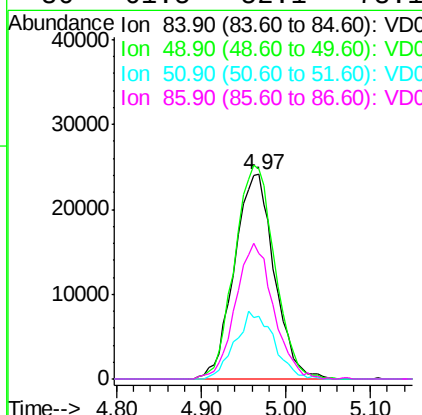
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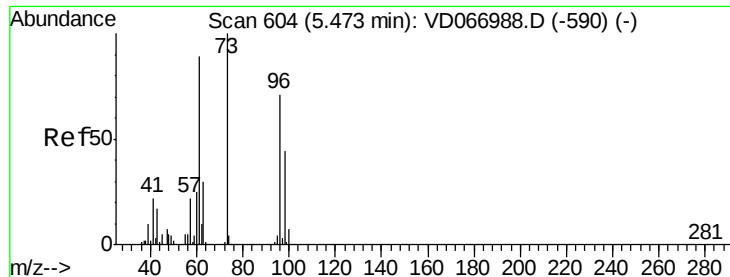
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#20
Methylene Chloride
Concen: 14.911 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion: 84 Resp: 79251
Ion Ratio Lower Upper
84 100
49 102.8 88.2 132.2
51 30.7 26.6 39.8
86 61.5 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.913 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

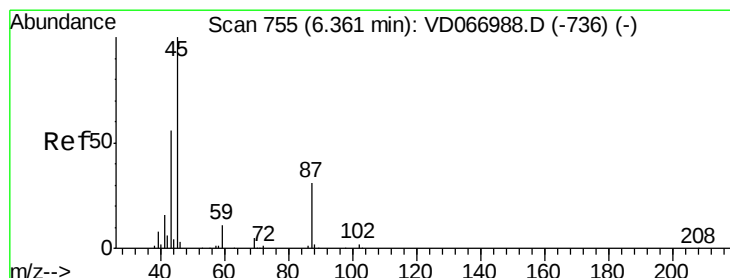
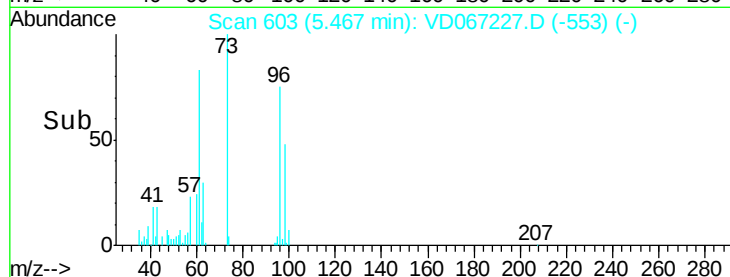
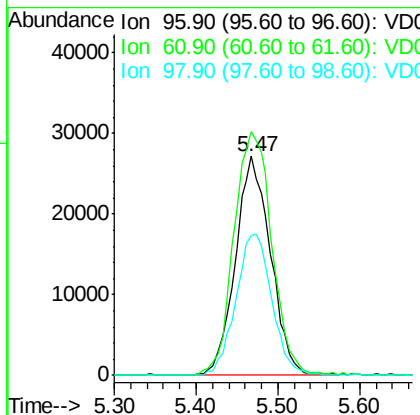
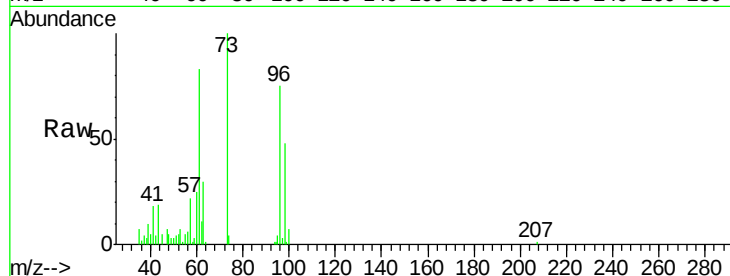
ClientSampleId :

VD1012SBS01

Tot Ion:	96	Resp:	81065
Ion	Ratio	Lower	Upper
96	100		
61	111.3	99.6	149.4
98	64.1	49.4	74.2

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#22

Diisopropyl ether

Concen: 18.542 ug/l

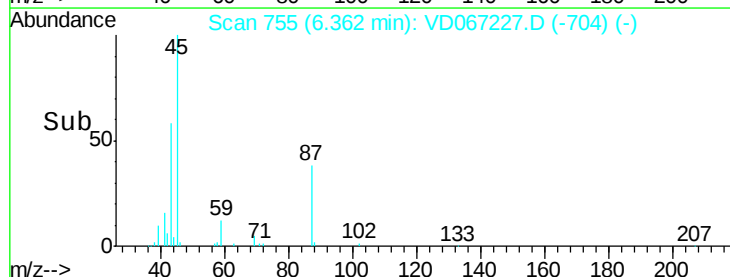
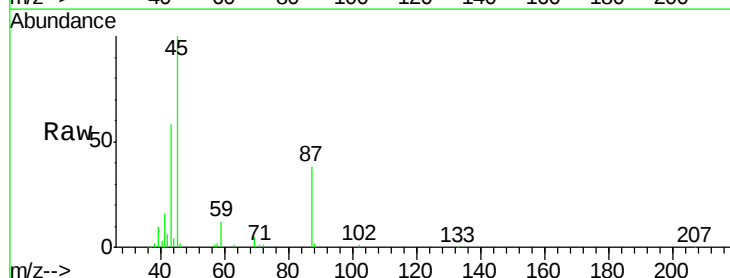
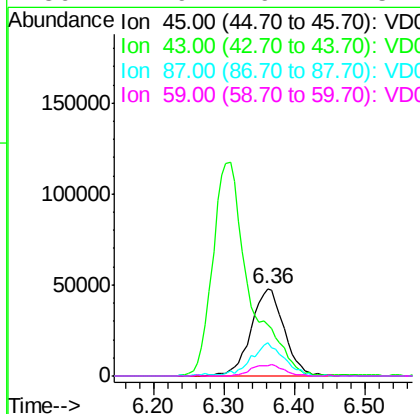
RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Tgt Ion:	45	Resp:	157312
Ion	Ratio	Lower	Upper
45	100		
43	57.2	45.2	67.8
87	37.7	25.6	38.4
59	11.9	9.1	13.7





#23

Vinyl Acetate

Concen: 87.864 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 43 Resp: 422415

Ion Ratio Lower Upper

43 100

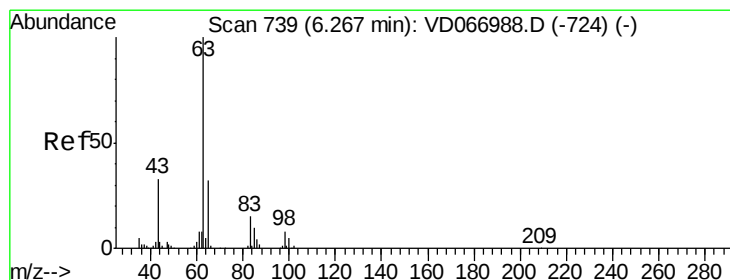
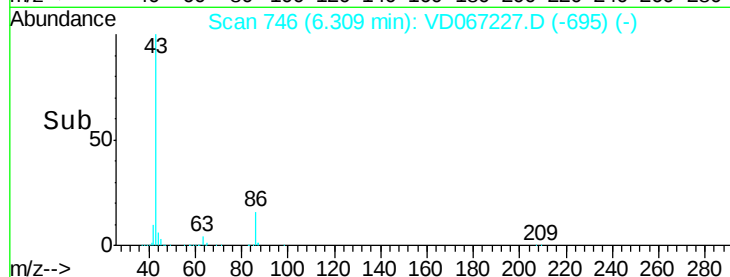
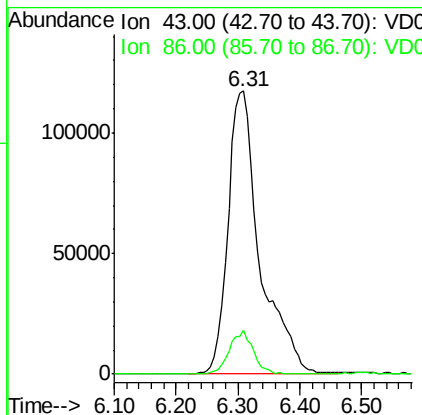
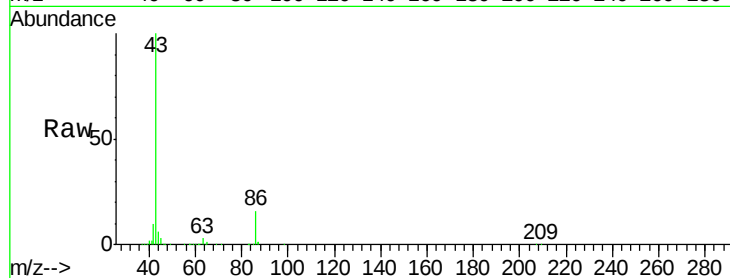
86 15.7 10.2 15.2#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.543 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

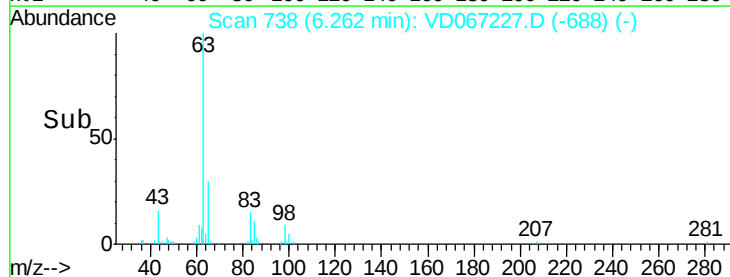
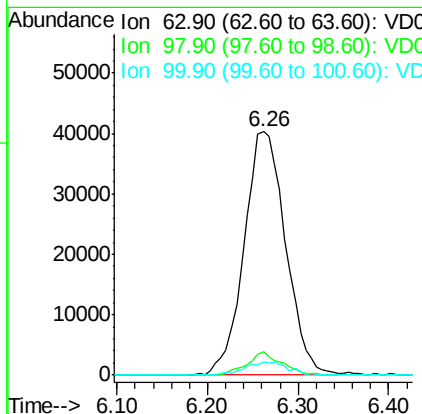
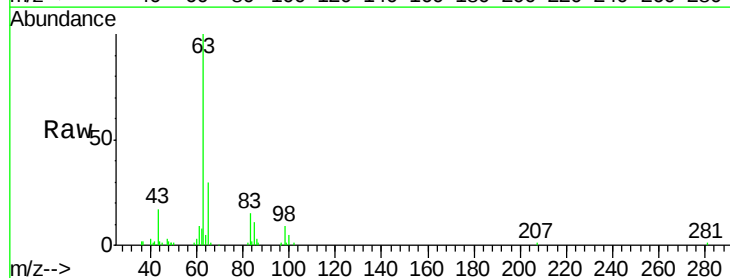
Tgt Ion: 63 Resp: 127960

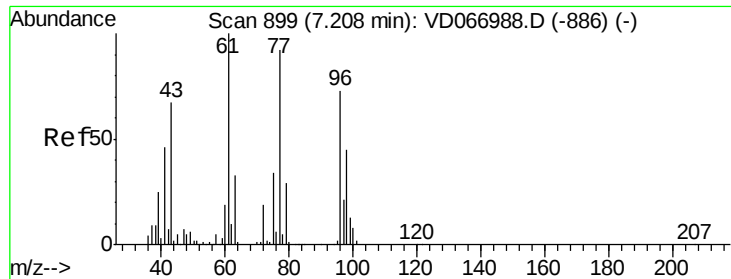
Ion Ratio Lower Upper

63 100

98 9.5 4.2 12.6

100 5.4 2.6 7.8





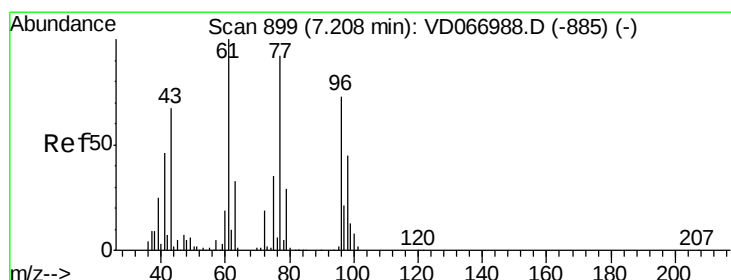
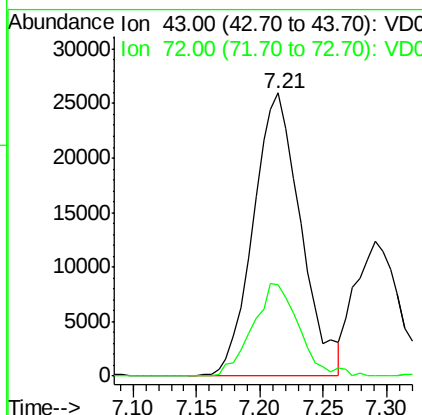
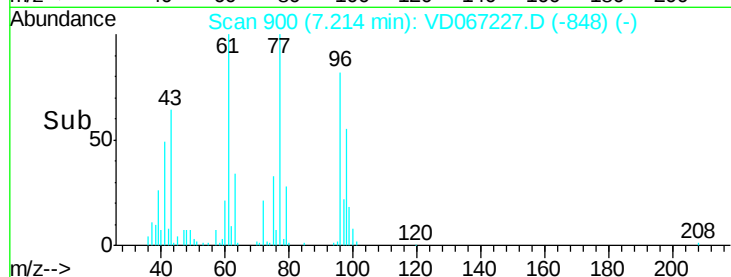
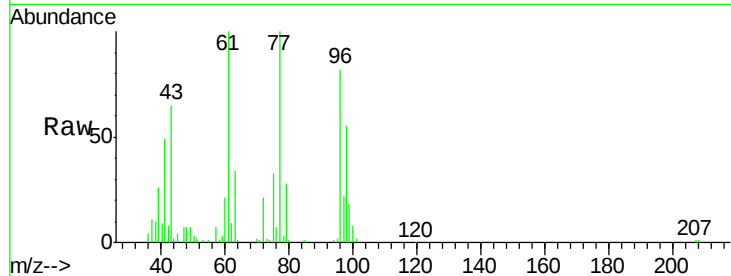
#25
2-Butanone
Concen: 85.721 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion: 43 Resp: 67810
Ion Ratio Lower Upper
43 100
72 32.4 22.8 34.2

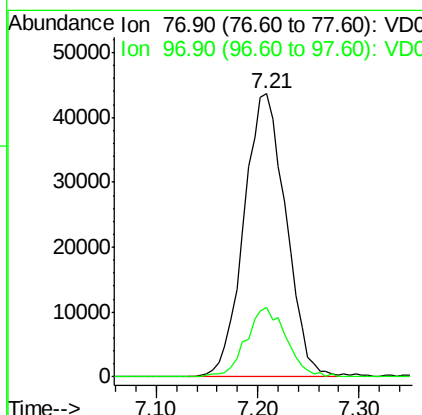
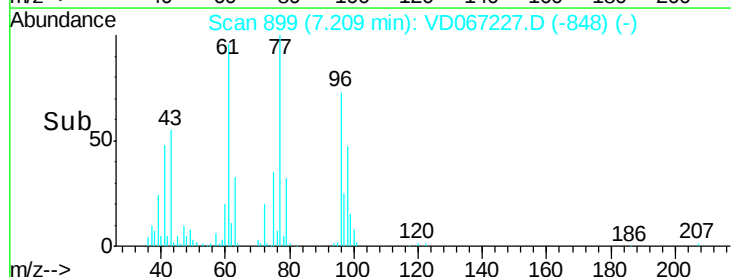
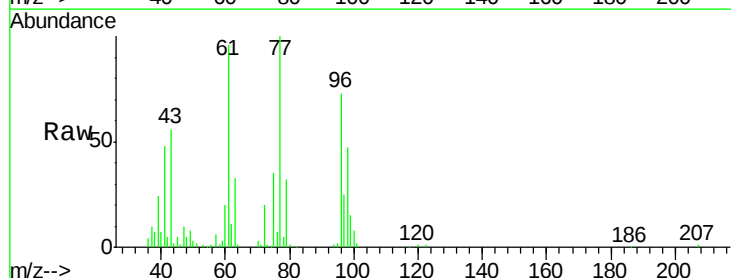
Manual Integrations
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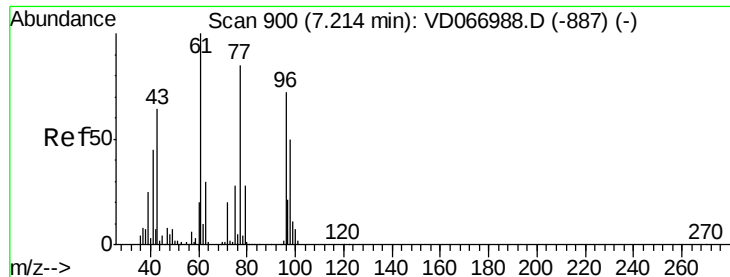
MMDadoda
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#26
2,2-Dichloropropane
Concen: 19.915 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion: 77 Resp: 125398
Ion Ratio Lower Upper
77 100
97 23.7 11.4 34.2





#27

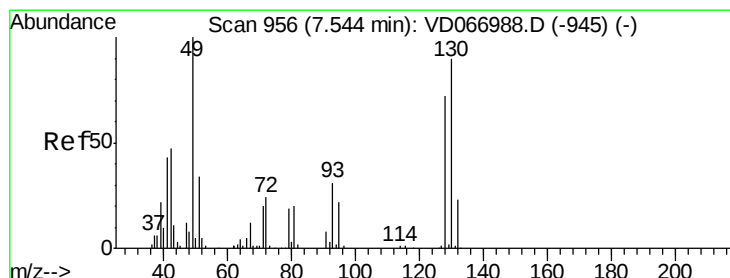
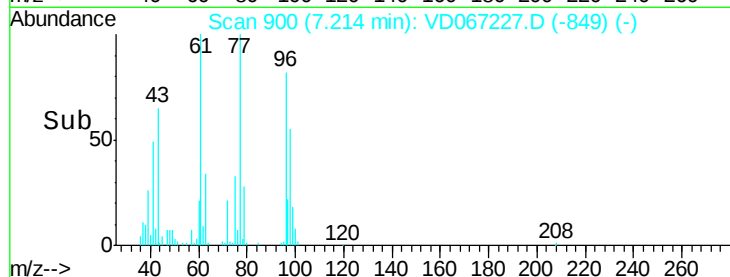
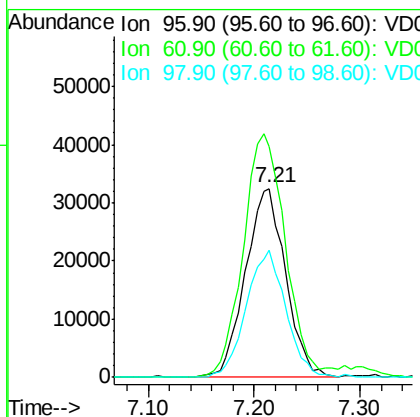
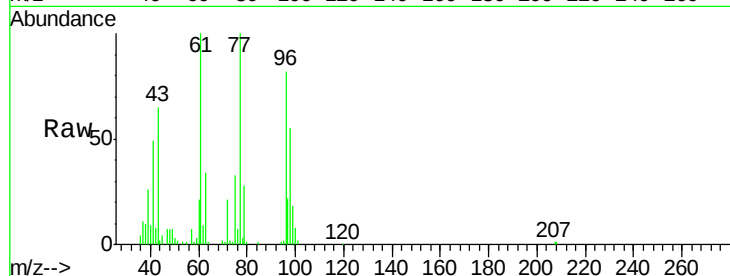
cis-1,2-Dichloroethene
Concen: 19.723 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	0.0	269.2
98	66.2	0.0	129.4

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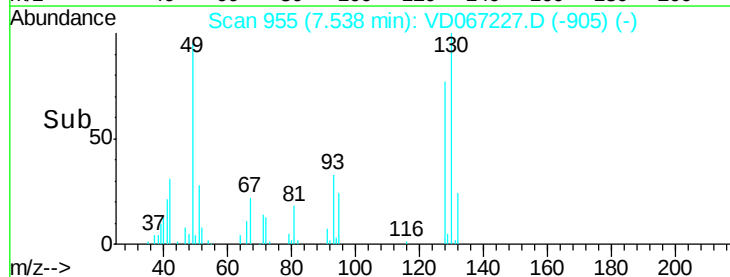
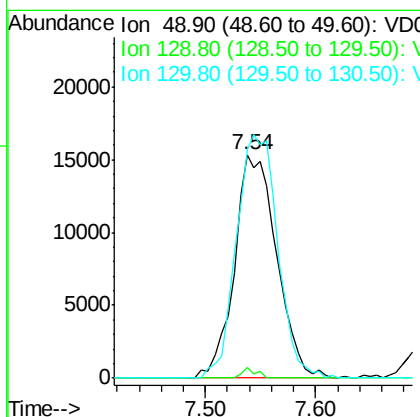
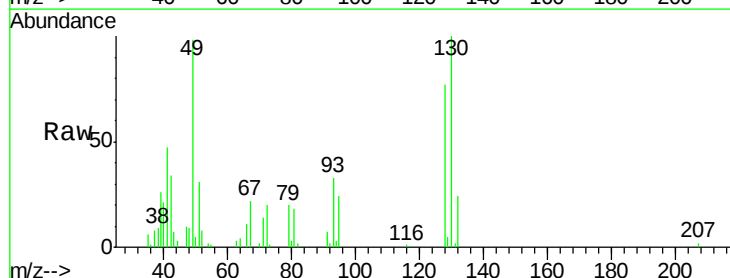
MMDadoda
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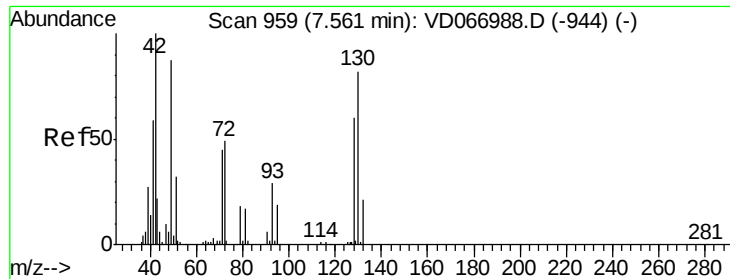


#28

Bromochloromethane
Concen: 16.246 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.6
130	106.7	74.1	111.1





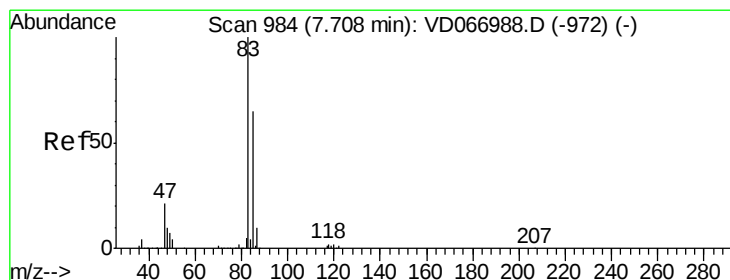
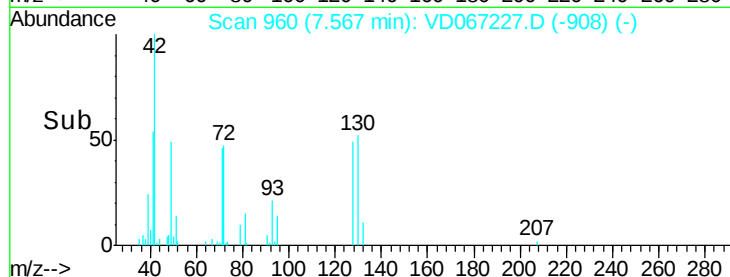
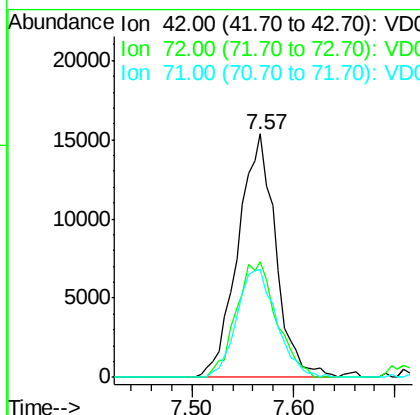
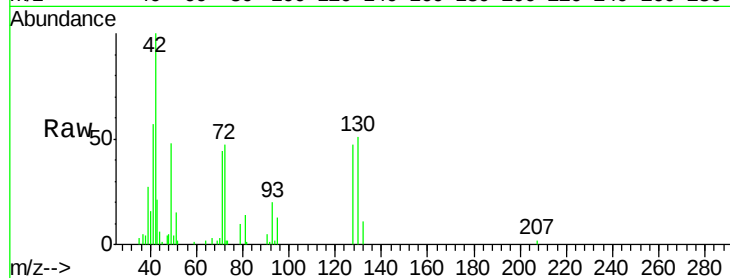
#29
Tetrahydrofuran
Concen: 87.216 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.5	39.1	58.7
71	46.6	34.2	51.4

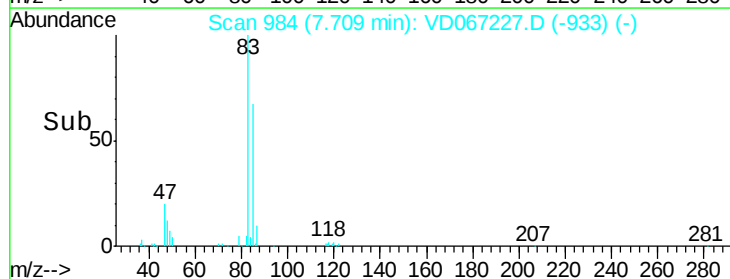
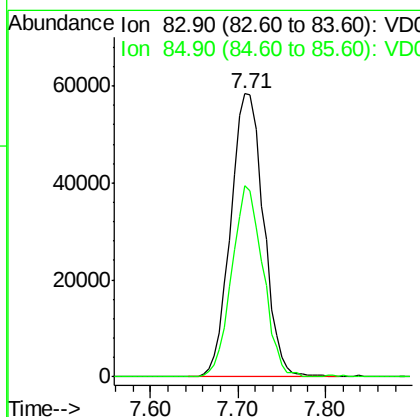
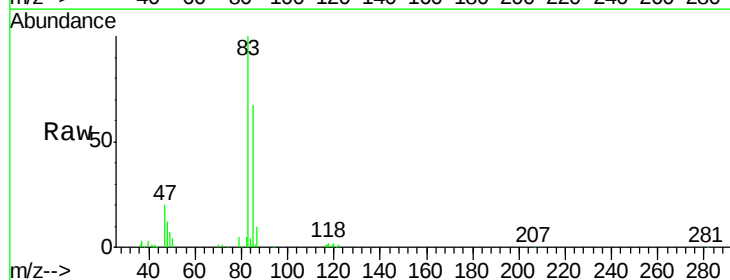
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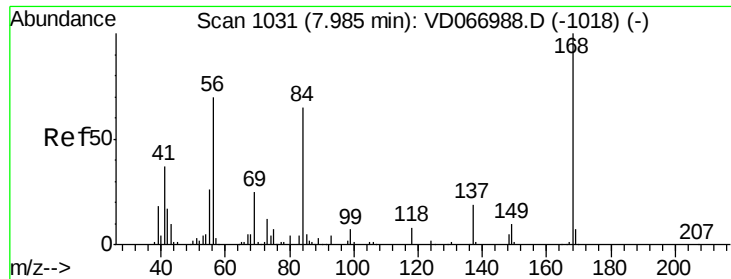
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#30
Chloroform
Concen: 20.982 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.3	78.5





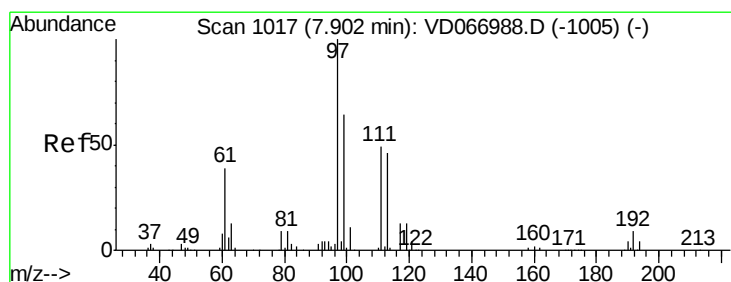
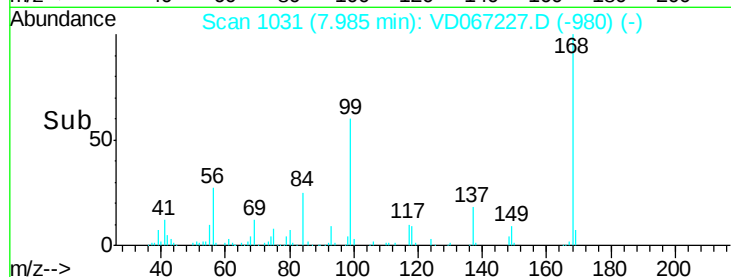
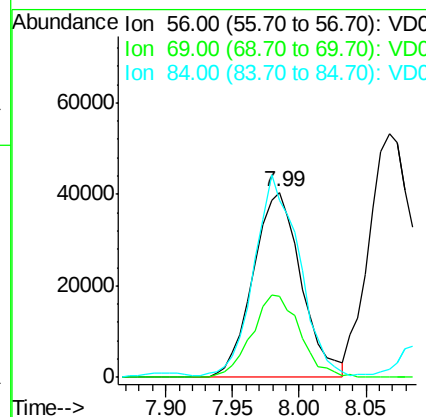
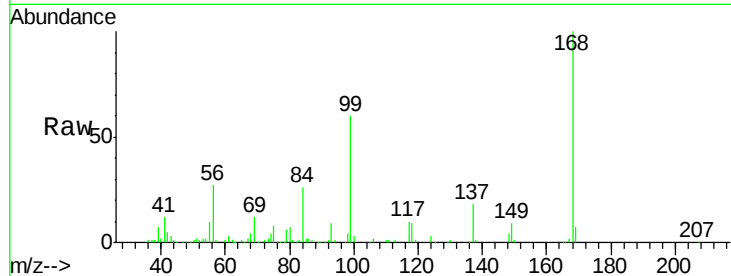
#31
Cyclohexane
Concen: 18.482 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.7	29.0	43.6#
84	94.4	74.2	111.2

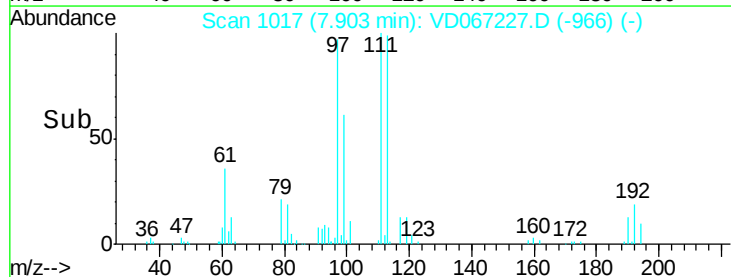
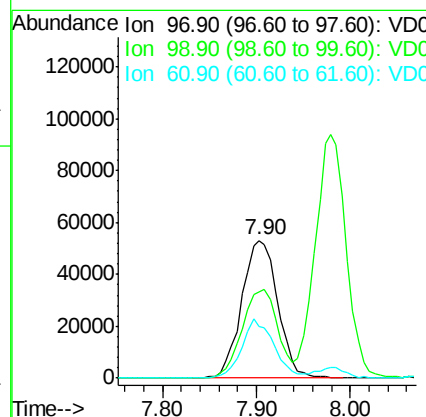
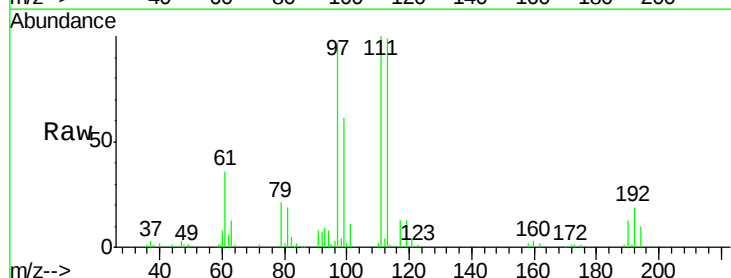
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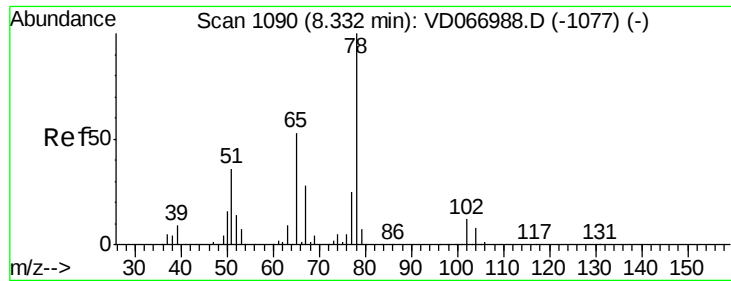
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#32
1,1,1-Trichloroethane
Concen: 21.417 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.6	78.8
61	38.4	32.8	49.2





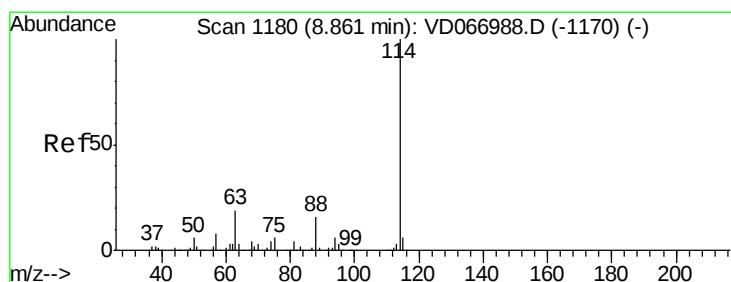
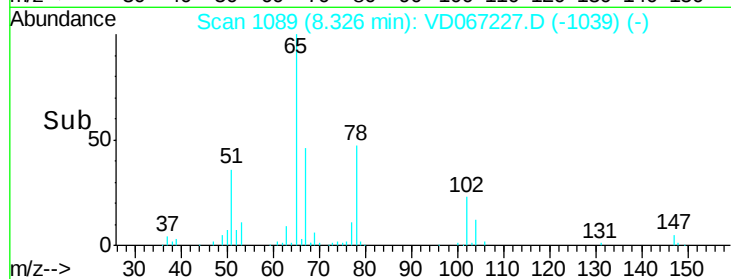
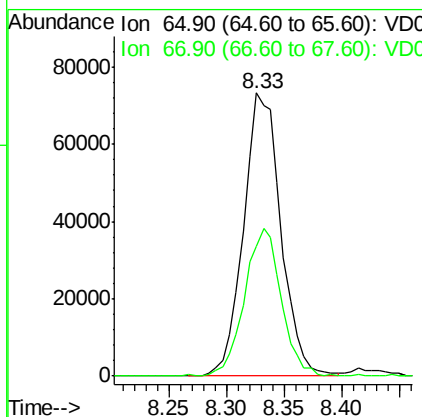
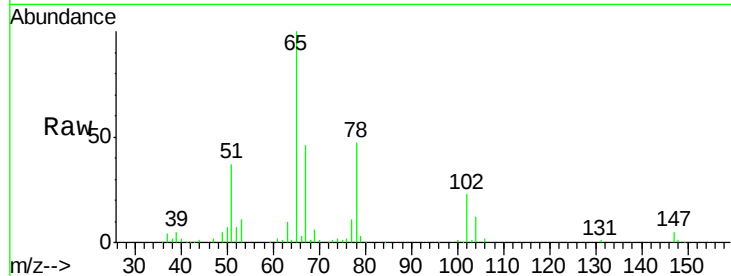
#33
 1,2-Dichloroethane-d4
 Concen: 45.242 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	106.8

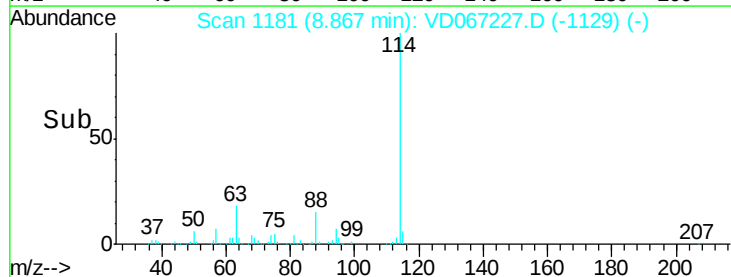
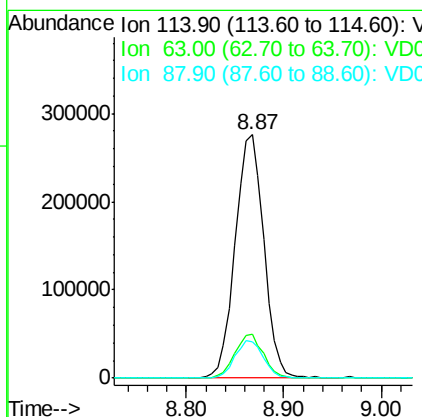
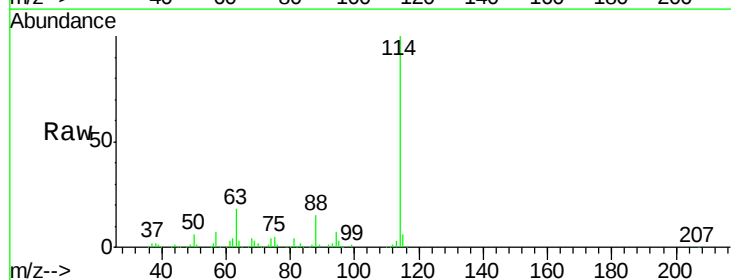
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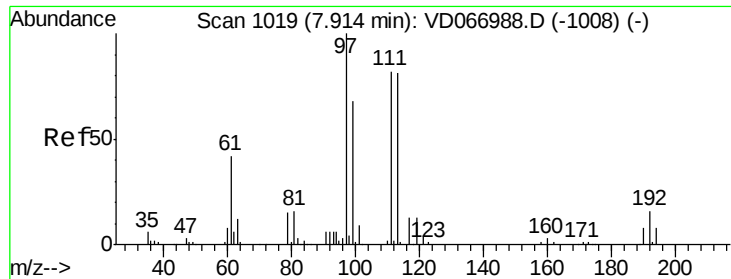
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.4
88	14.9	0.0	31.2





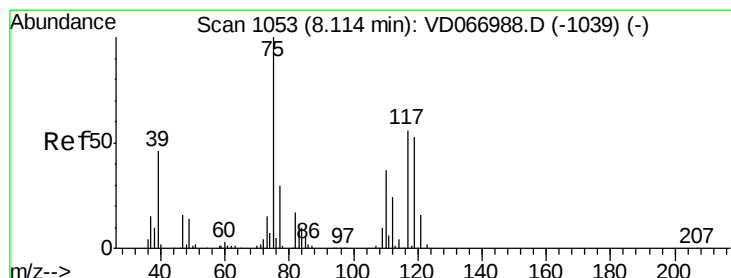
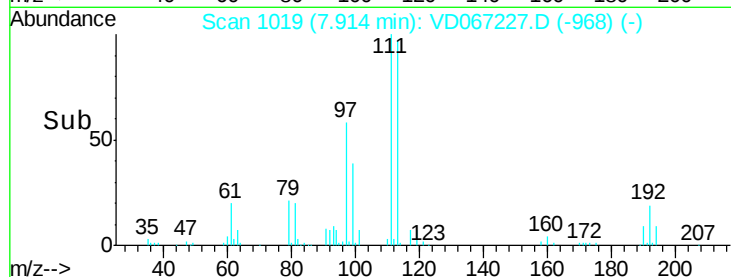
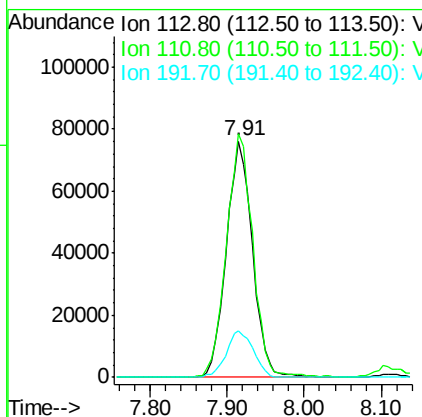
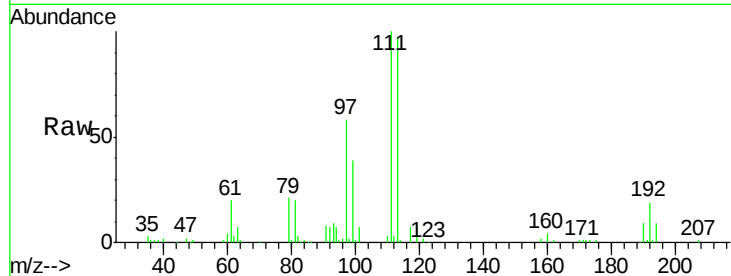
#35
 Dibromofluoromethane
 Concen: 48.693 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	180353		
111	104.0	83.0	124.4	
192	20.4	15.5	23.3	

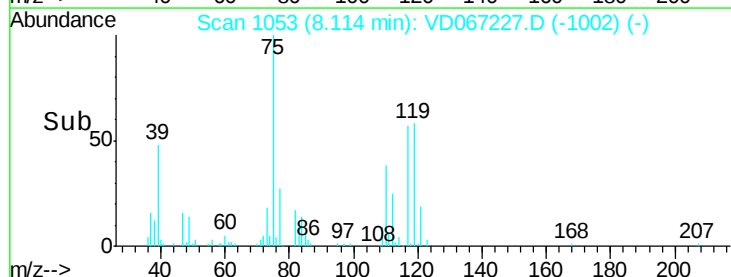
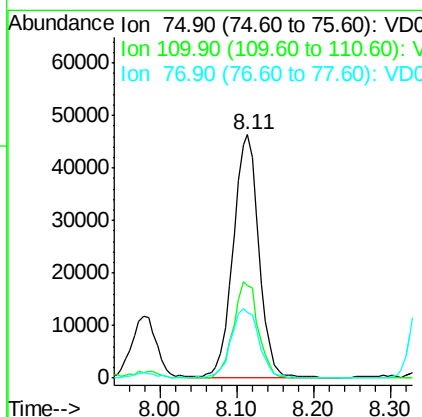
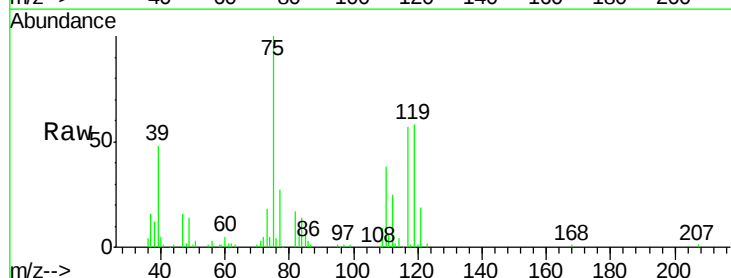
Manual Integrations
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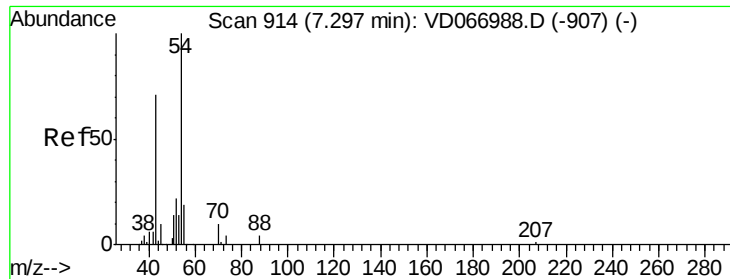
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#36
 1,1-Dichloropropene
 Concen: 20.653 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	108912		
110	38.0	18.4	55.0	
77	30.8	24.8	37.2	





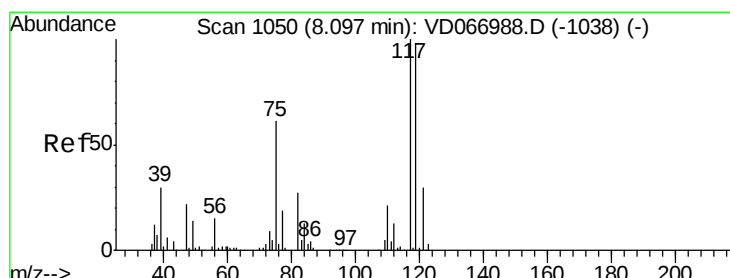
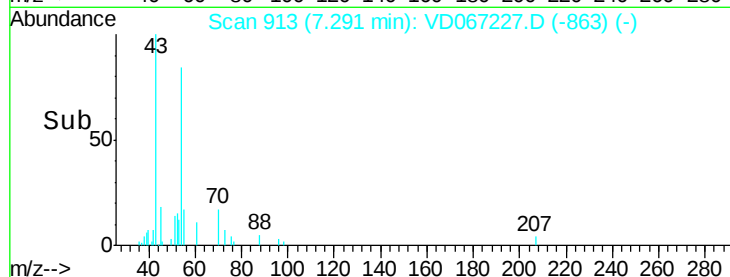
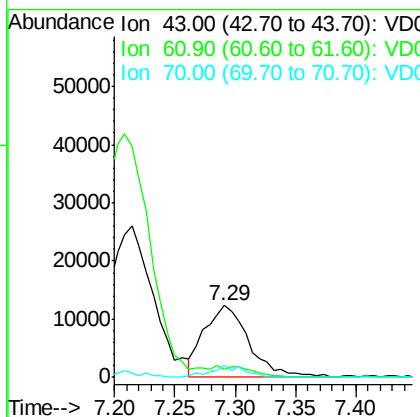
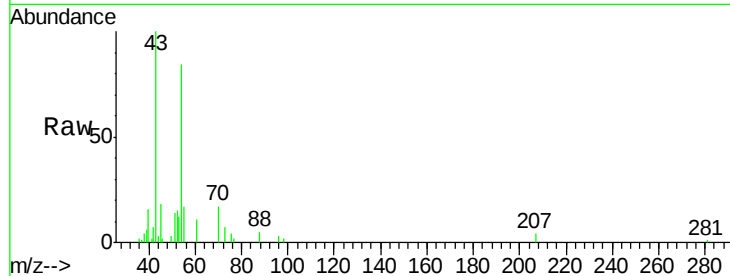
#37
Ethyl Acetate
Concen: 17.467 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.5	18.7#
70	12.2	9.4	14.0

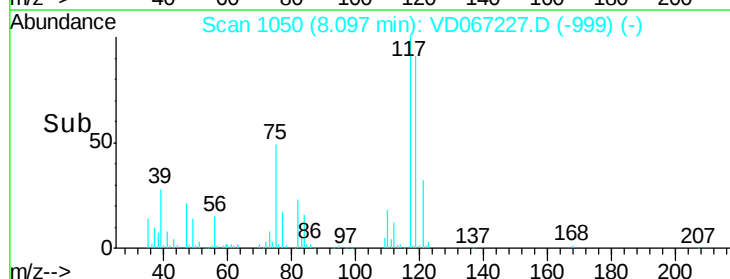
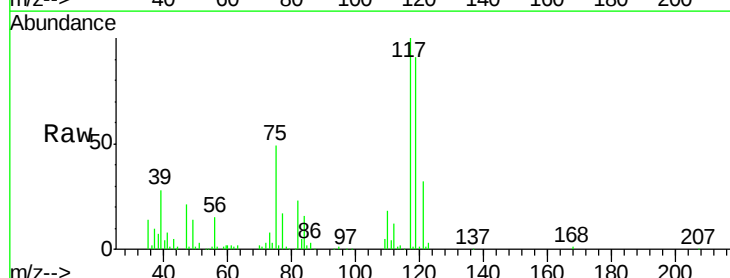
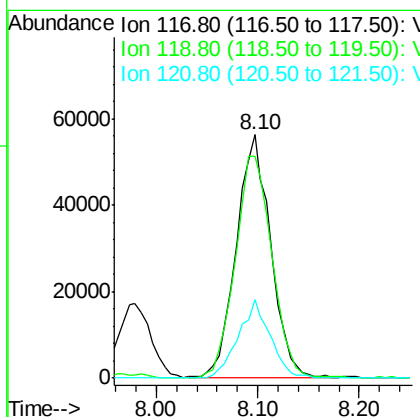
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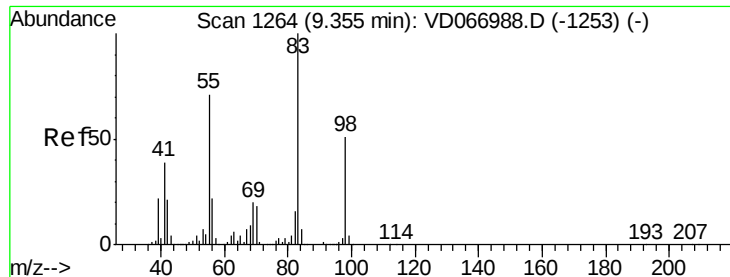
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#38
Carbon Tetrachloride
Concen: 23.293 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	78.7	118.1
121	32.2	24.2	36.2





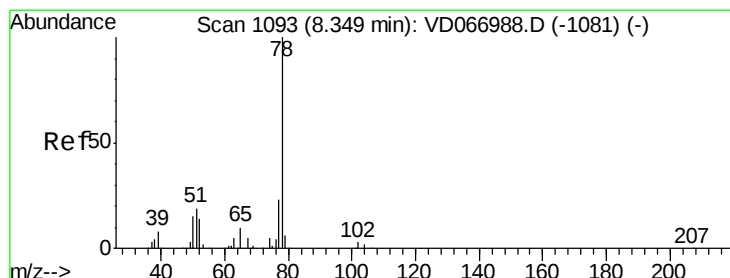
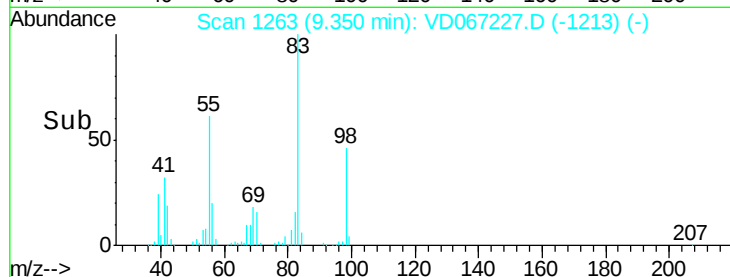
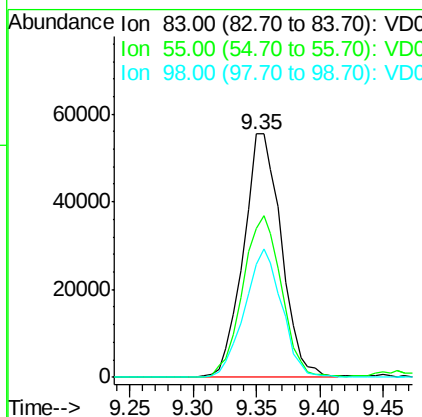
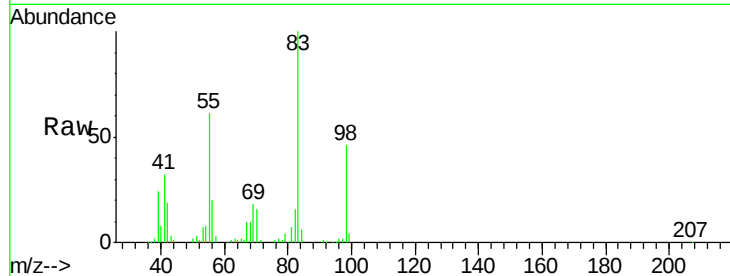
#39
Methvlcvclohexane
Concen: 20.782 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	61.4	57.1	85.7
98	46.3	40.9	61.3

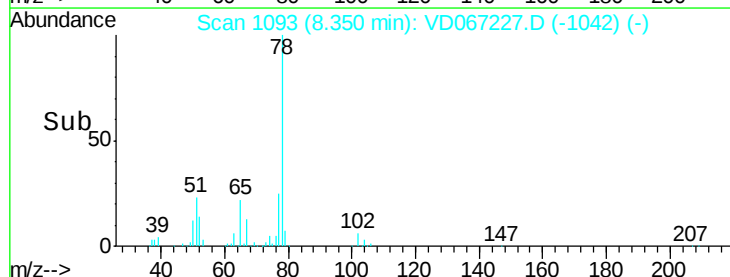
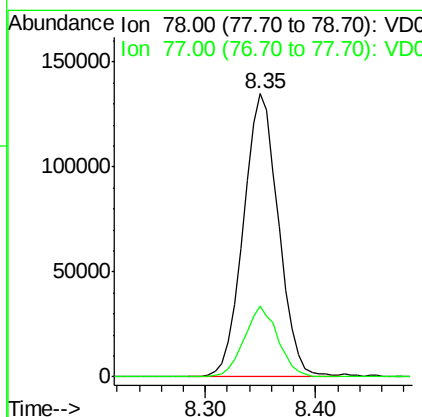
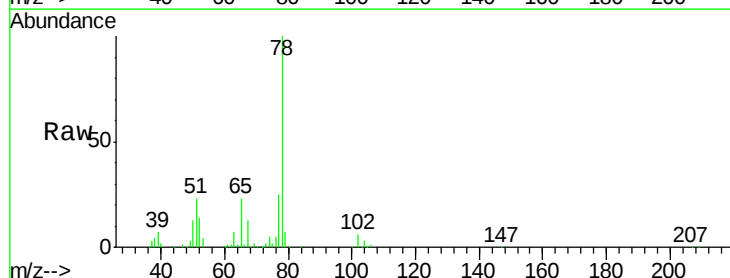
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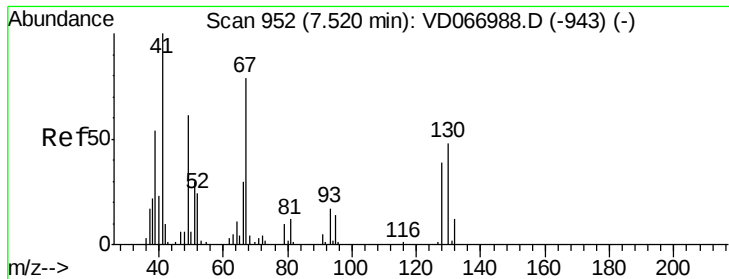
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#40
Benzene
Concen: 20.559 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.4	27.6





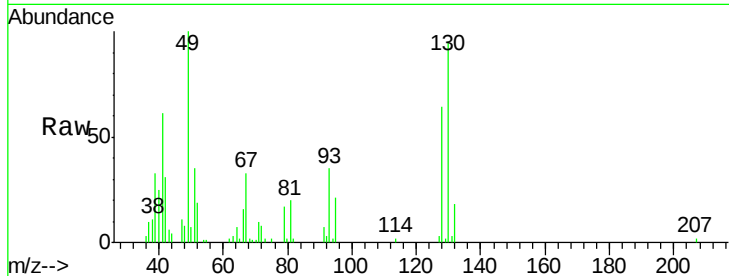
#41
Methacrylonitrile
Concen: 21.098 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

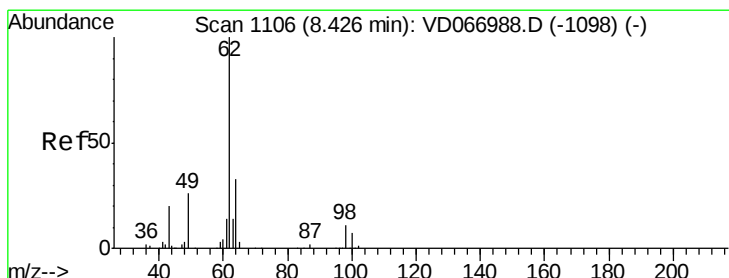
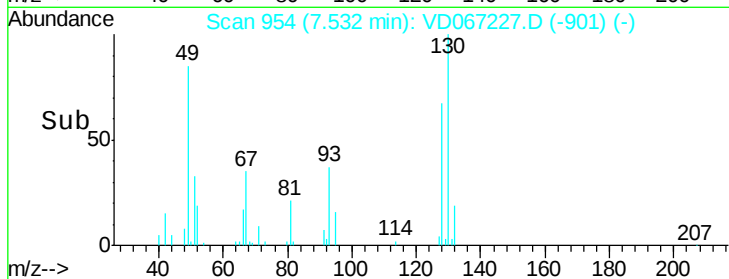
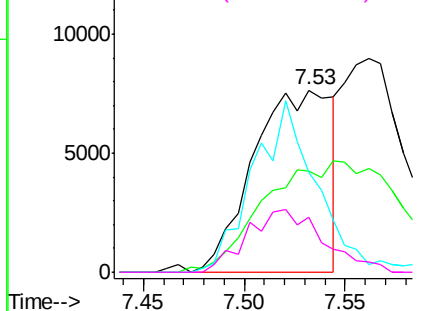
Tot Ion	Ratio	Resp	Lower	Upper
41	100	20823		
39	102.8	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

Manual Integrations
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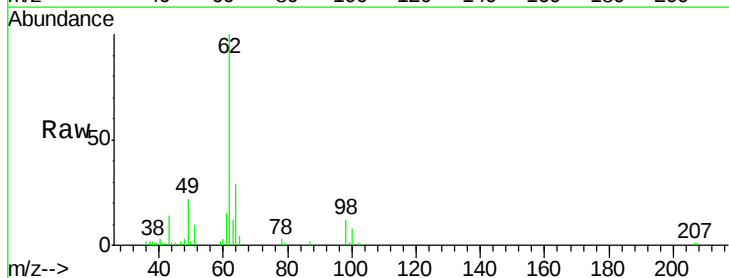


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

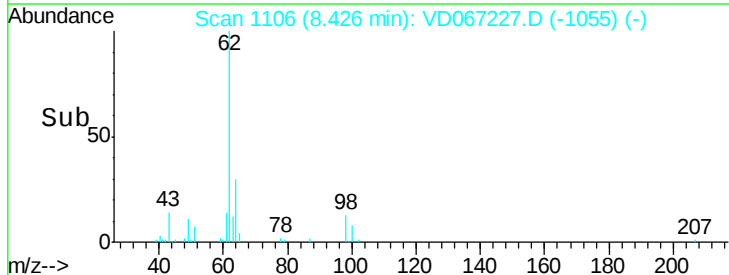
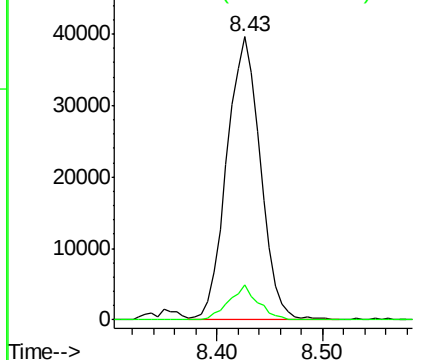


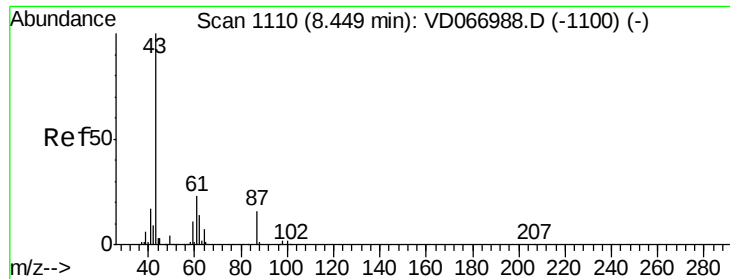
#42
1,2-Dichloroethane
Concen: 21.333 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	87314		
98	10.6	0.0	22.6	



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





#43

Isopropyl Acetate

Concen: 18.796 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

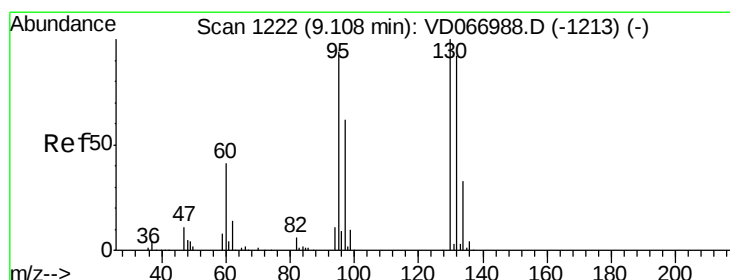
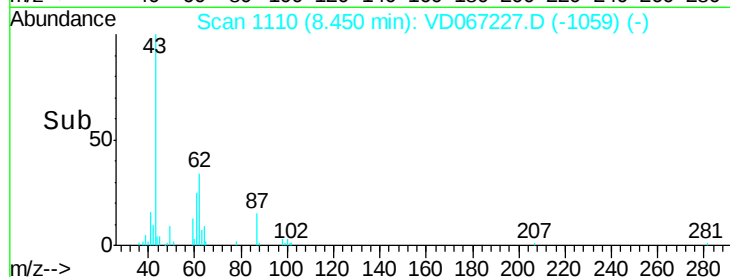
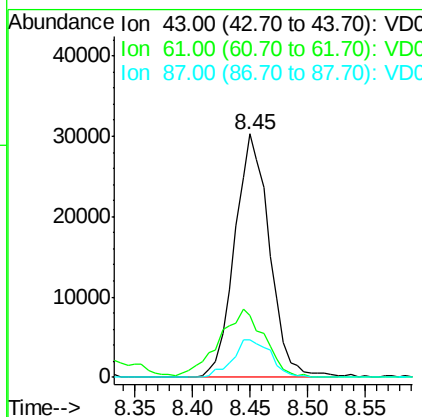
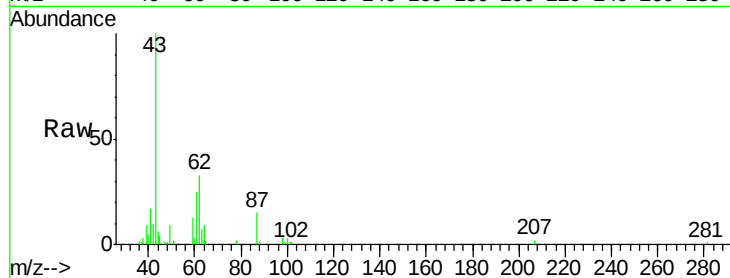
ClientSampleId :

VD1012SBS01

Tot Ion:	43	Resp:	63259
Ion	Ratio	Lower	Upper
43	100		
61	36.7	27.1	40.7
87	17.0	12.3	18.5

Manual Integrations
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#44

Trichloroethene

Concen: 21.318 ug/l

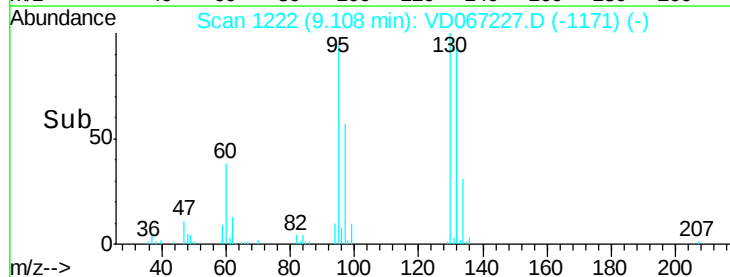
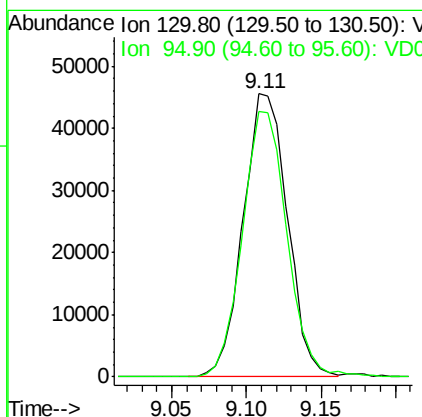
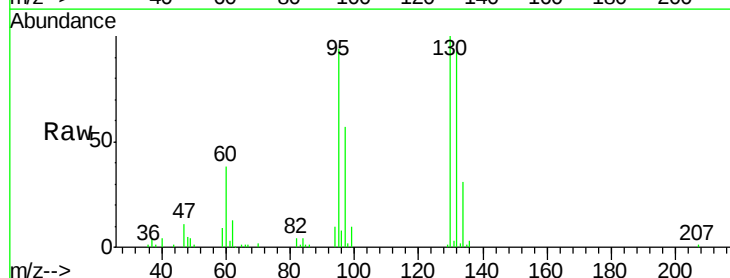
RT: 9.11 min Scan# 1222

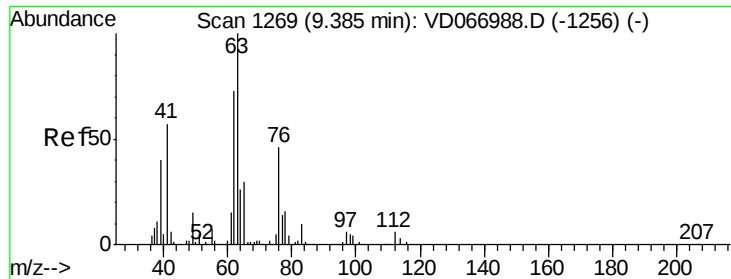
Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Tgt Ion:	130	Resp:	93240
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	187.8





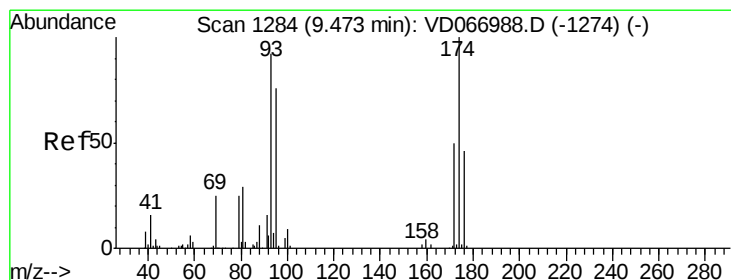
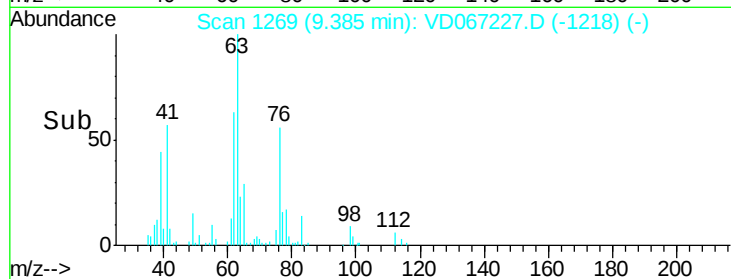
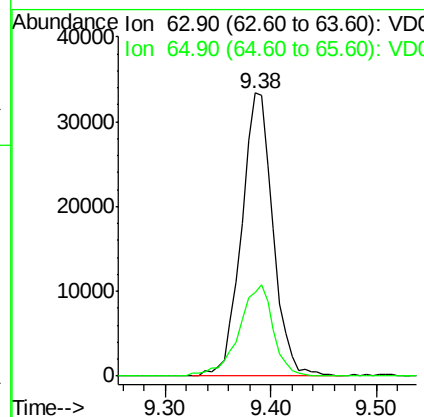
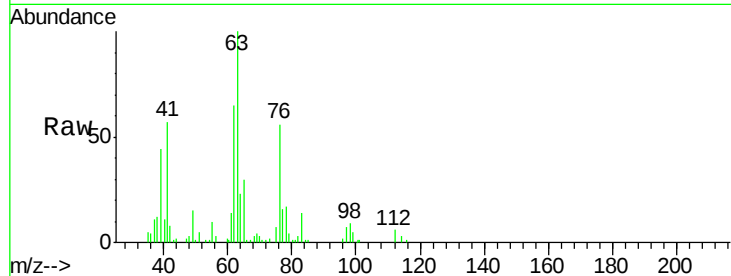
#45
 1,2-Dichloropropane
 Concen: 19.993 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	23.7	35.5

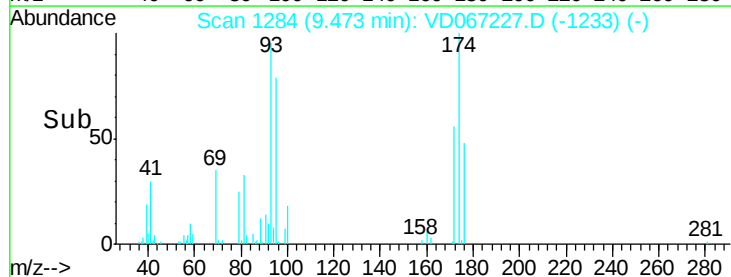
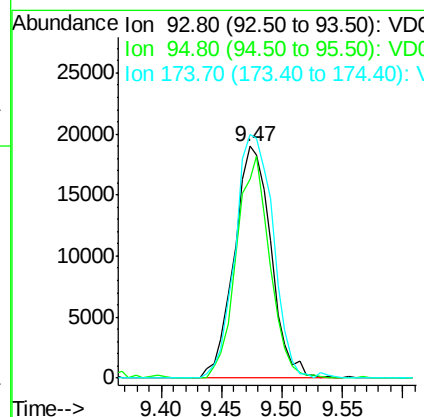
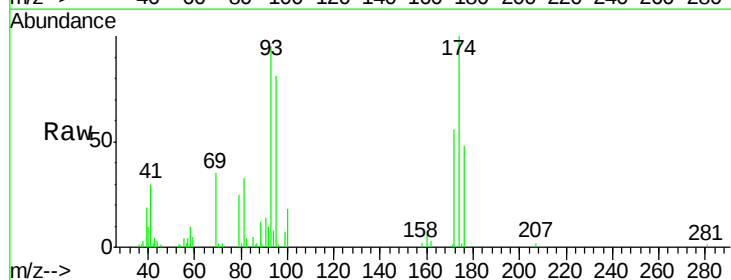
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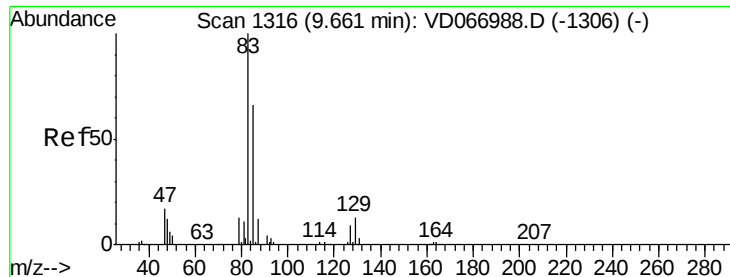
MMDadoda
 10/13/2020 1:52:19 PM



#46
 Dibromomethane
 Concen: 20.372 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.9	64.7	97.1
174	108.3	81.4	122.2





#47

Bromodichloromethane

Concen: 21.480 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

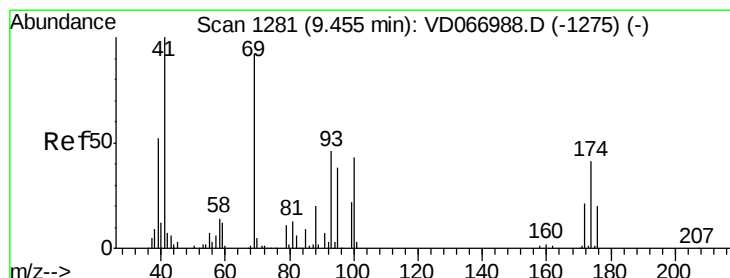
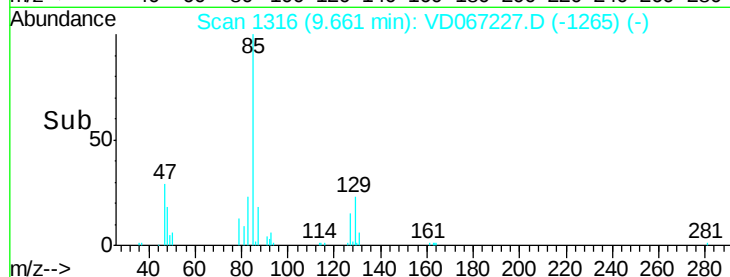
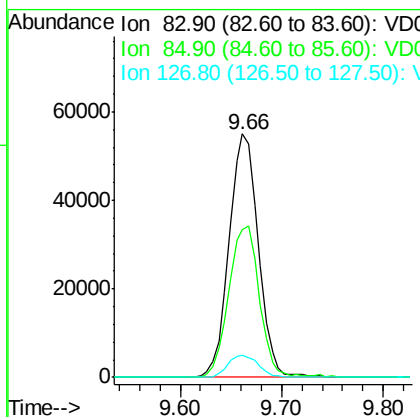
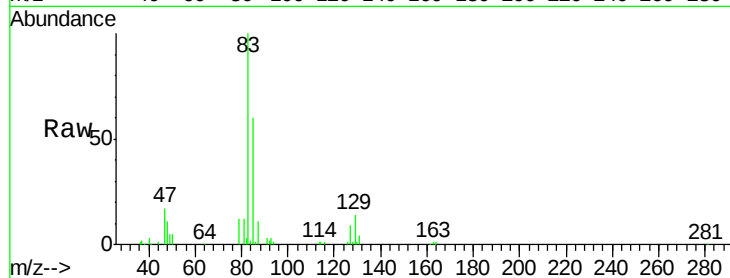
ClientSampleId :

VD1012SBS01

Tot Ion:	83	Resp:	110448
Ion	Ratio	Lower	Upper
83	100		
85	60.4	52.9	79.3
127	9.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.470 ug/l

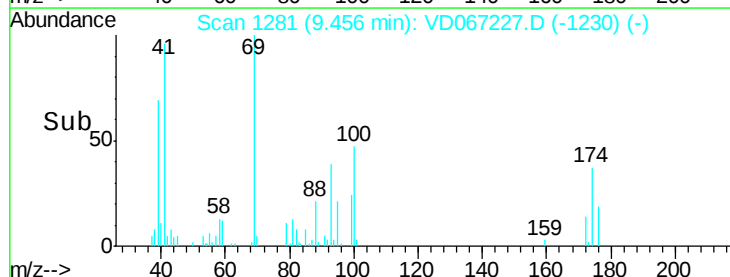
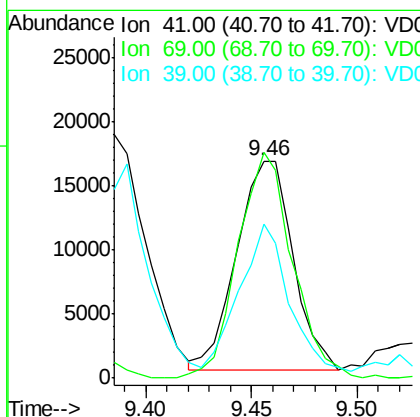
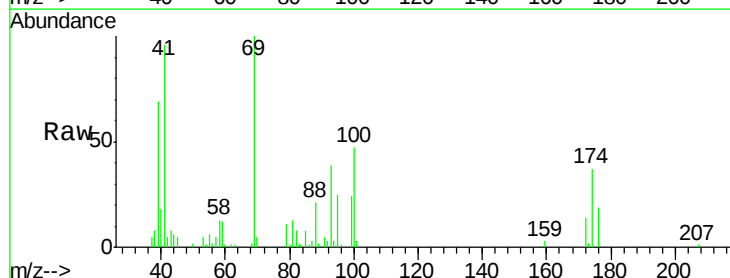
RT: 9.46 min Scan# 1281

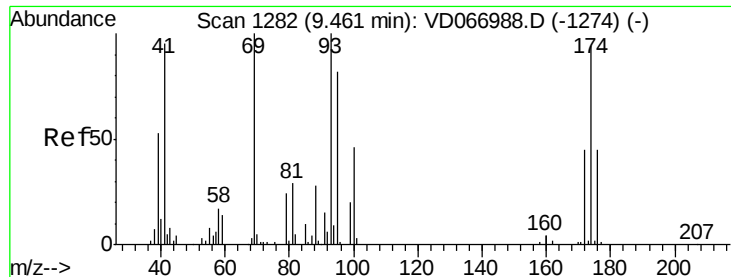
Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Tgt Ion:	41	Resp:	30122
Ion	Ratio	Lower	Upper
41	100		
69	105.4	68.5	102.7#
39	69.1	40.2	60.2#





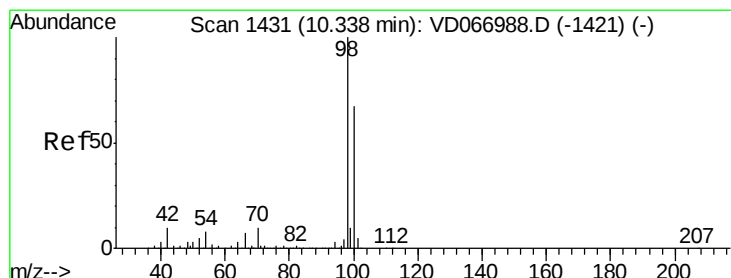
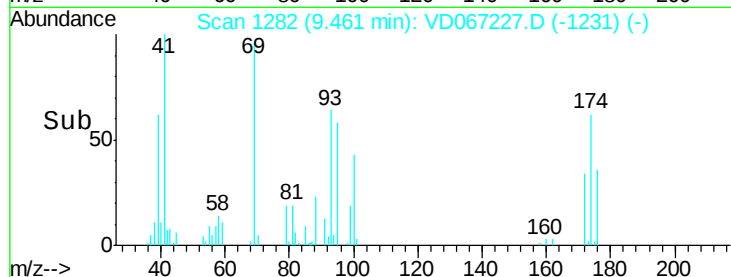
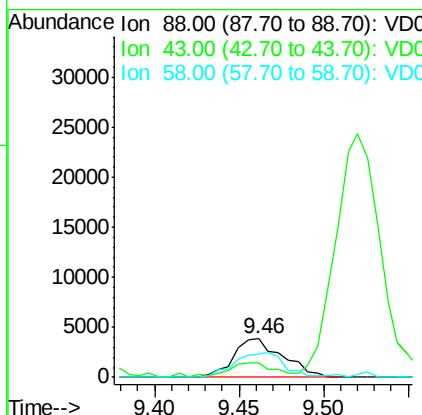
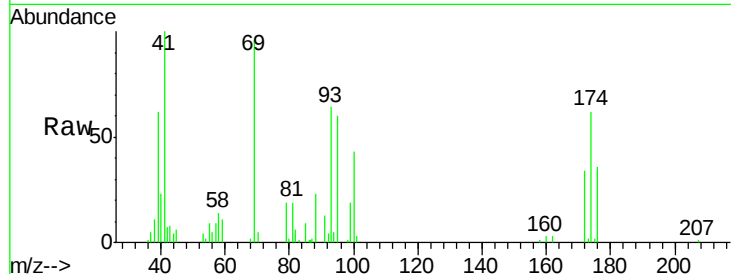
#49
1,4-Dioxane
Concen: 377.484 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	25.6	38.4
58	67.8	53.5	80.3

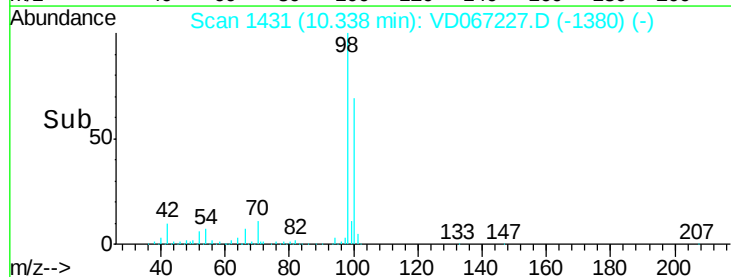
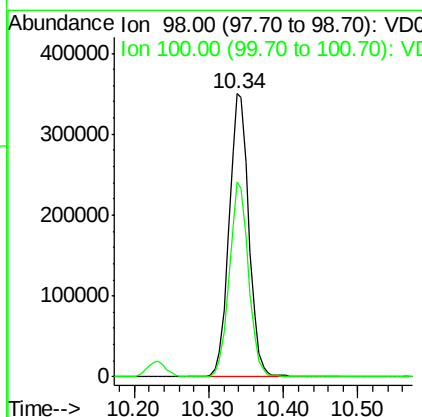
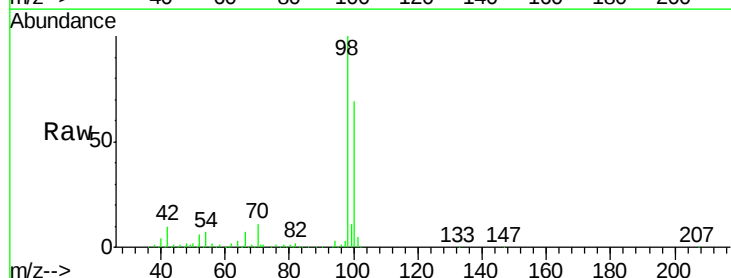
Manual Integrations
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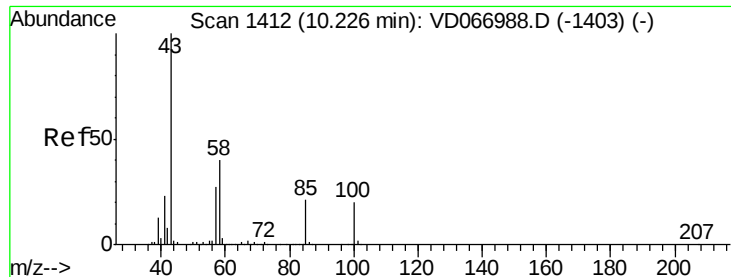
MMDadoda
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#50
Toluene-d8
Concen: 47.920 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.8	79.2





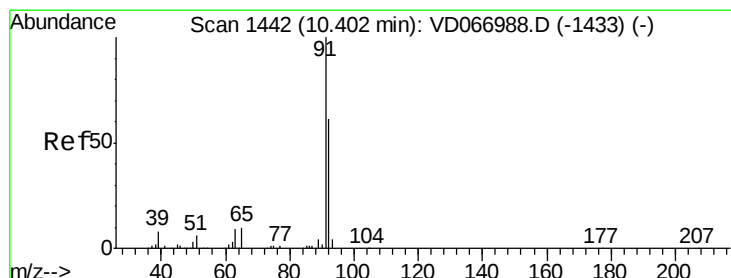
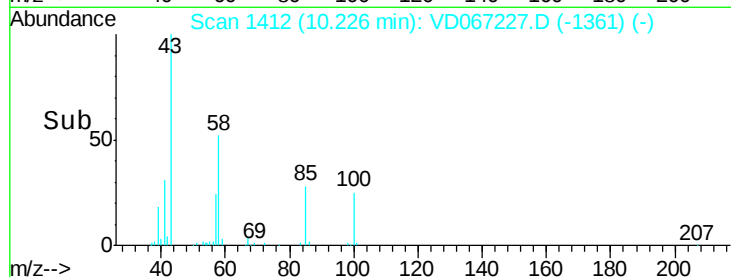
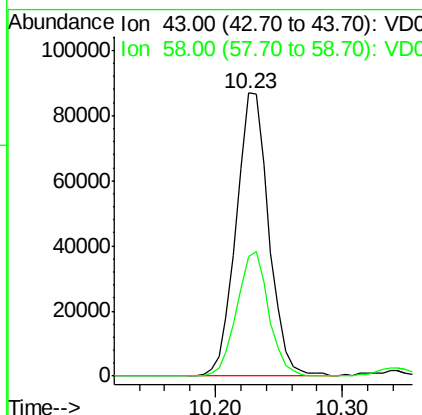
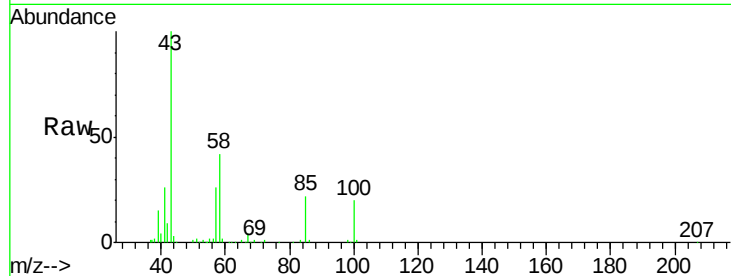
#51
4-Methyl-2-Pentanone
Concen: 92.663 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion: 43 Resp: 155336
Ion Ratio Lower Upper
43 100
58 43.0 33.8 50.8

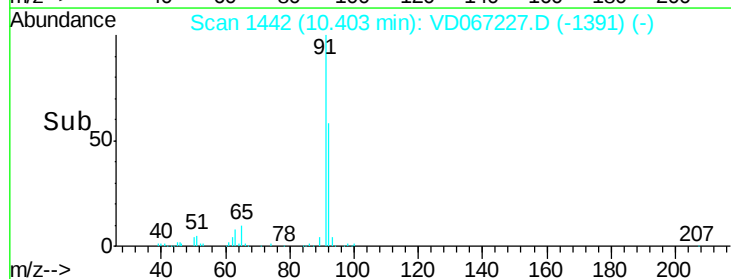
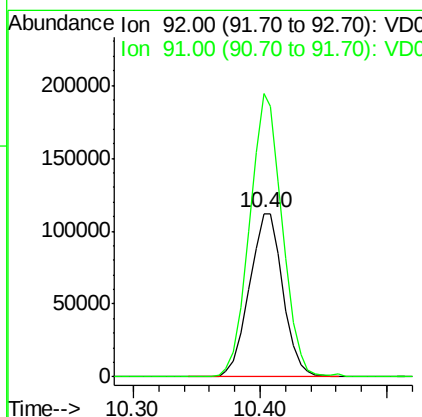
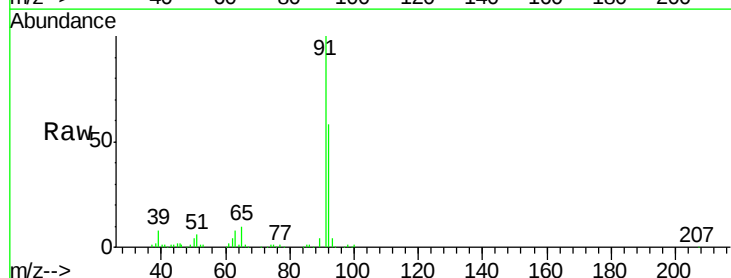
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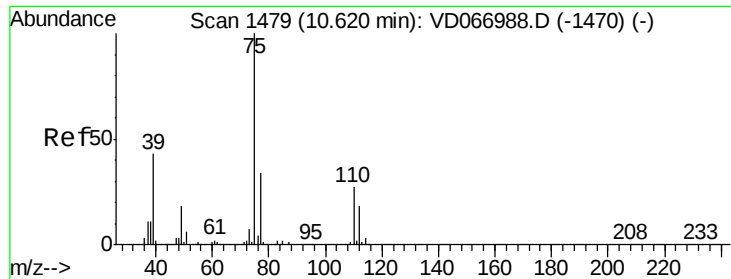
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#52
Toluene
Concen: 21.876 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion: 92 Resp: 206414
Ion Ratio Lower Upper
92 100
91 168.9 135.1 202.7





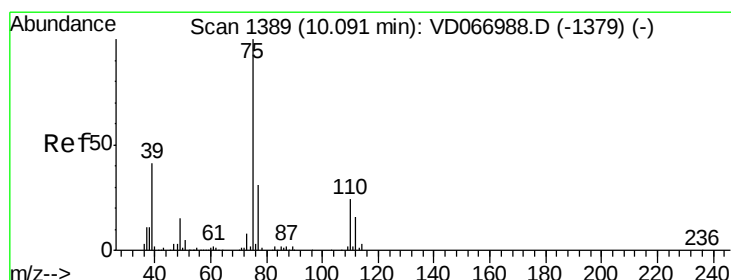
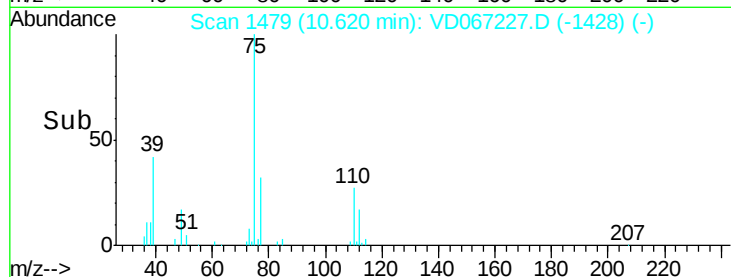
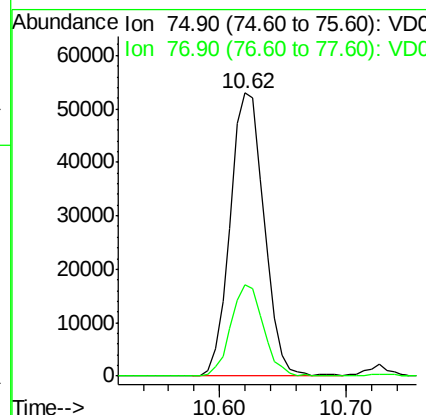
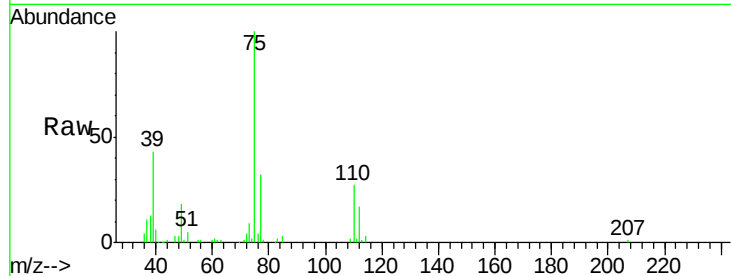
#53
 t-1,3-Dichloropropene
 Concen: 21.341 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion: 75 Resp: 98071
 Ion Ratio Lower Upper
 75 100
 77 32.4 27.1 40.7

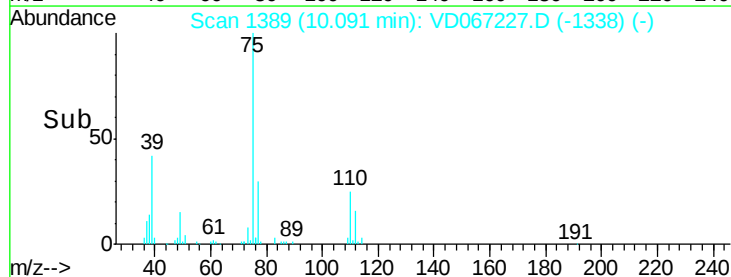
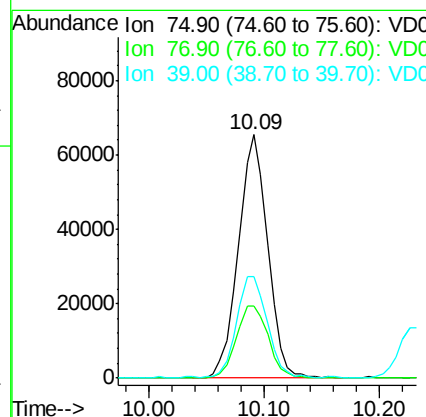
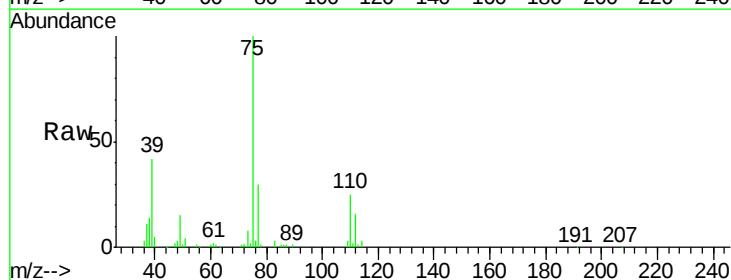
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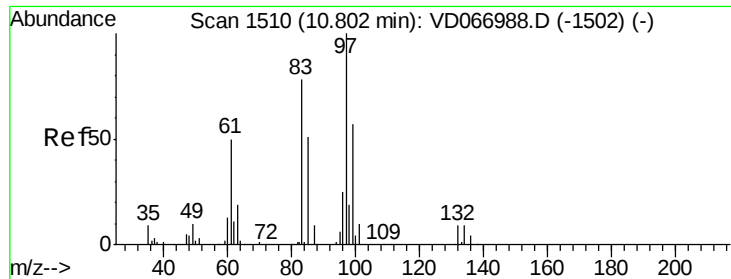
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#54
 cis-1,3-Dichloropropene
 Concen: 20.543 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion: 75 Resp: 115277
 Ion Ratio Lower Upper
 75 100
 77 29.6 24.6 37.0
 39 41.4 33.0 49.4





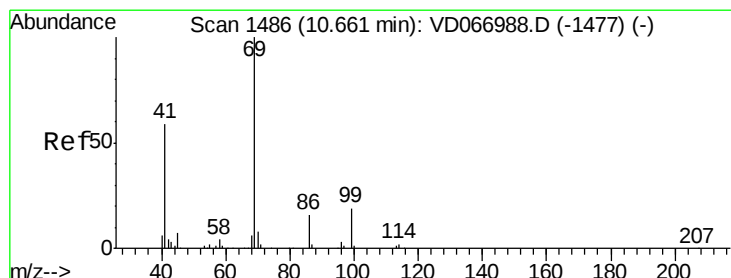
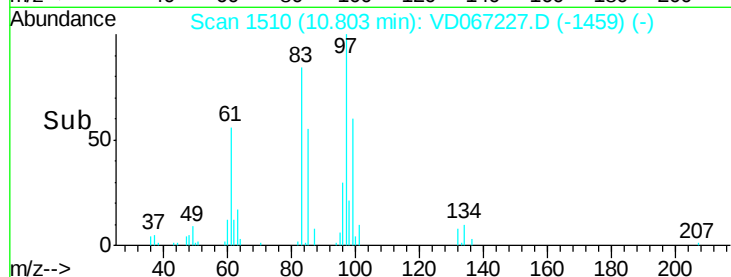
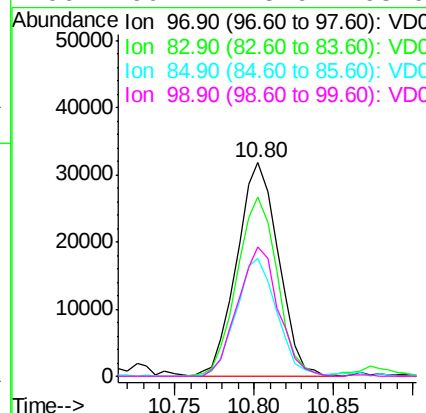
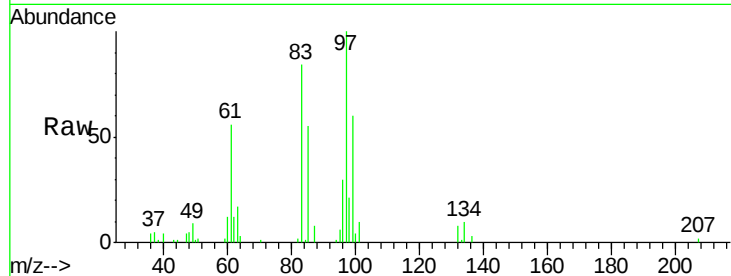
#55
 1,1,2-Trichloroethane
 Concen: 21.122 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion:	97	Resp:	58087
Ion	Ratio	Lower	Upper
97	100		
83	83.3	62.4	93.6
85	55.2	41.0	61.4
99	60.4	45.9	68.9

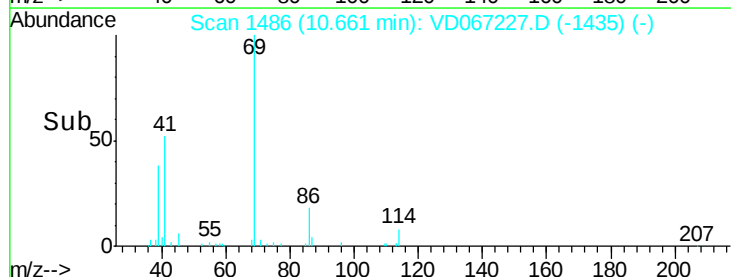
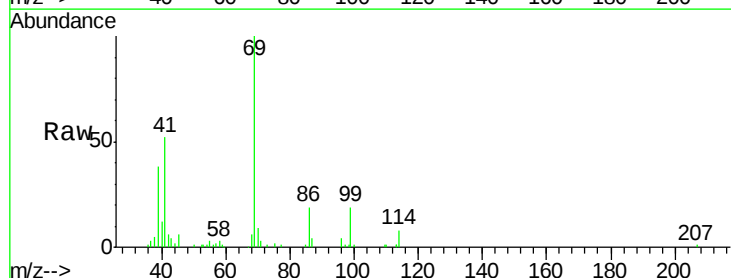
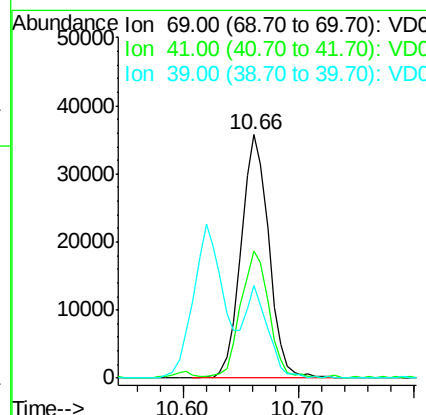
Manual Integrations
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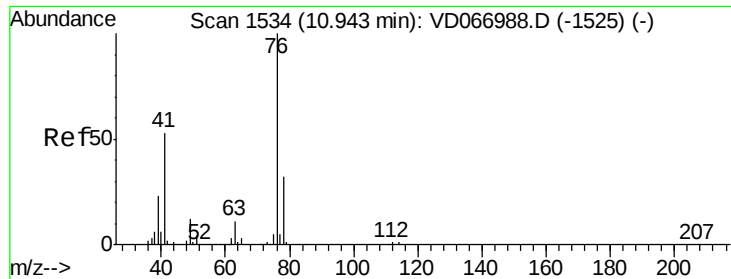
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#56
 Ethyl methacrylate
 Concen: 20.938 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion:	69	Resp:	59450
Ion	Ratio	Lower	Upper
69	100		
41	53.9	46.4	69.6
39	33.7	23.8	35.6





#57

1,3-Dichloropropane

Concen: 20.710 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 76 Resp: 92360

Ion Ratio Lower Upper

76 100

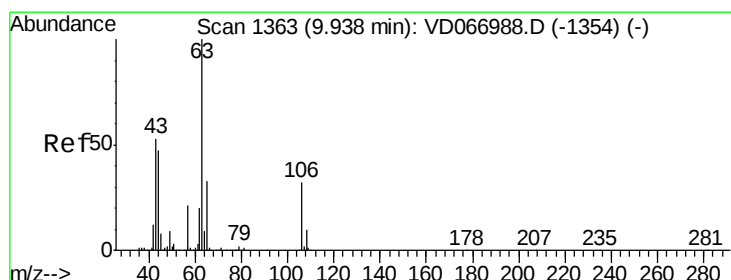
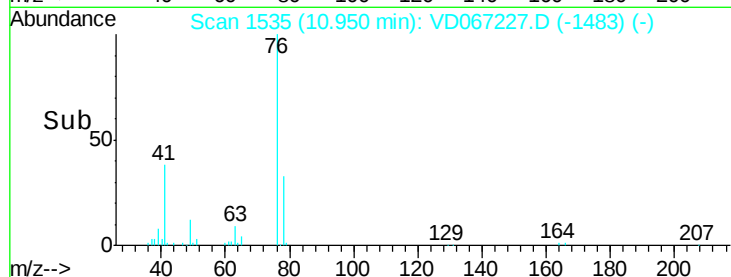
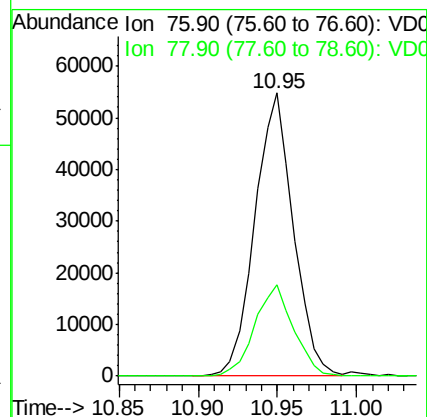
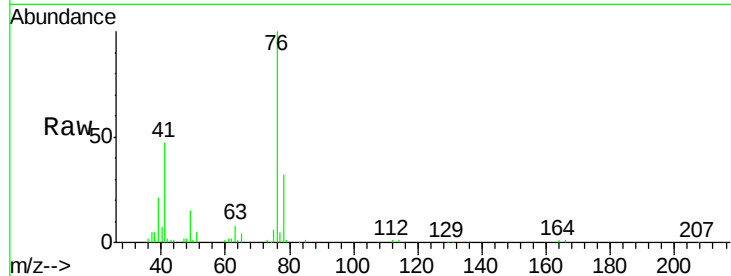
78 32.5 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 102.242 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VD067227.D

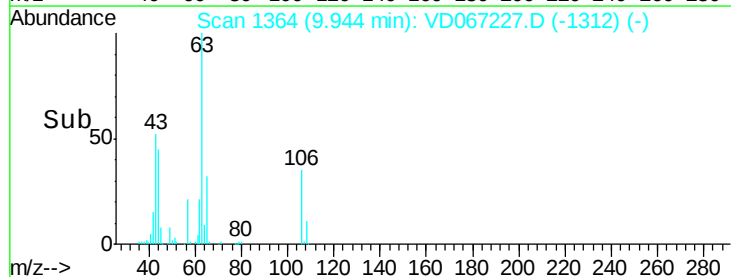
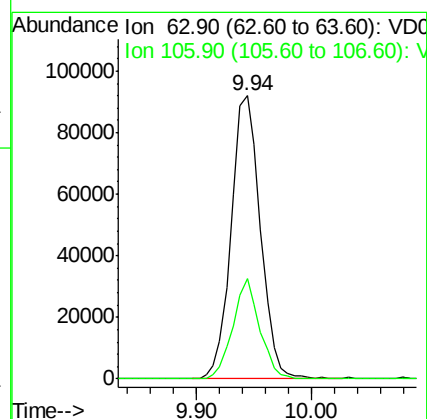
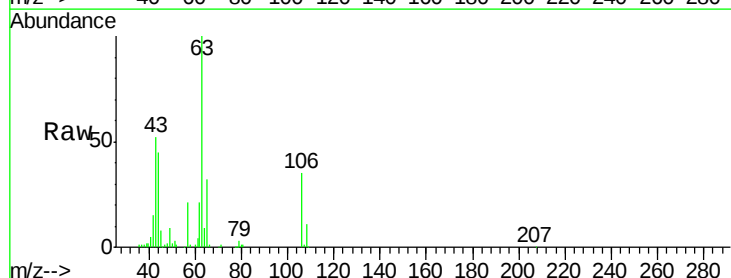
Acq: 12 Oct 2020 12:08

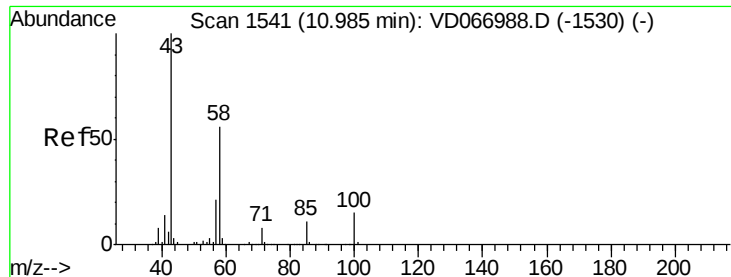
Tgt Ion: 63 Resp: 161574

Ion Ratio Lower Upper

63 100

106 32.4 25.3 37.9





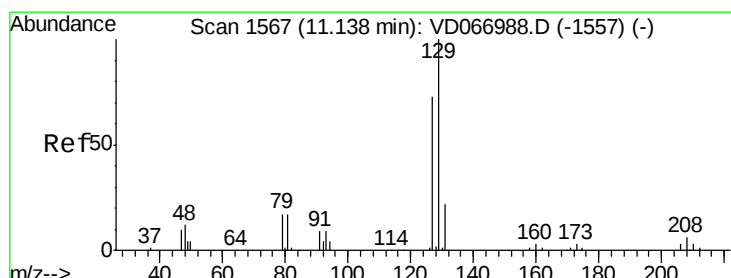
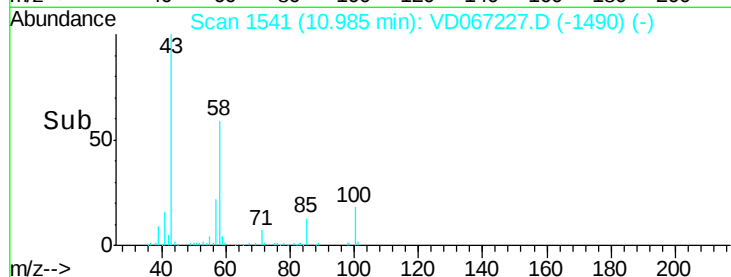
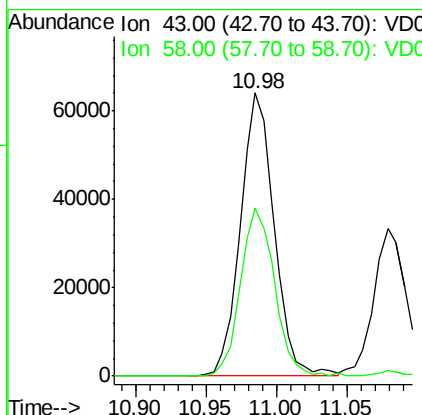
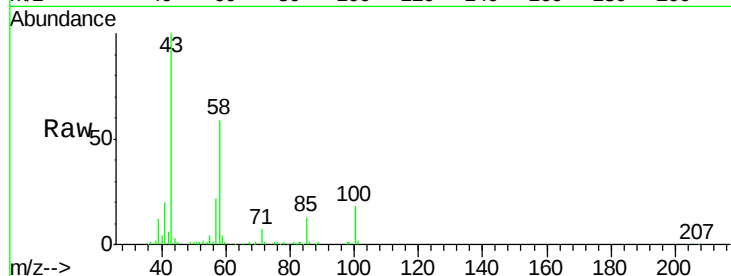
#59
2-Hexanone
Concen: 95.772 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion: 43 Resp: 107157
Ion Ratio Lower Upper
43 100
58 60.3 28.3 84.9

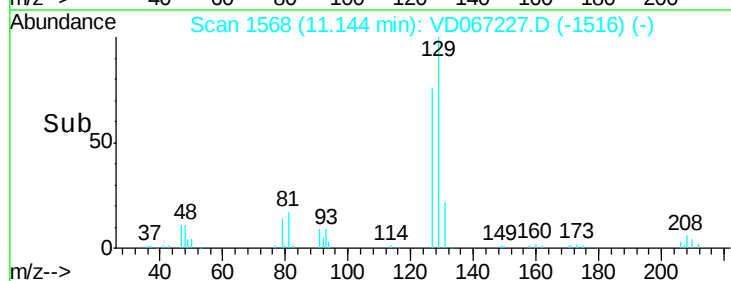
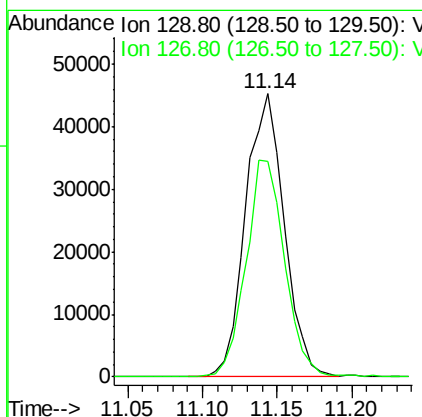
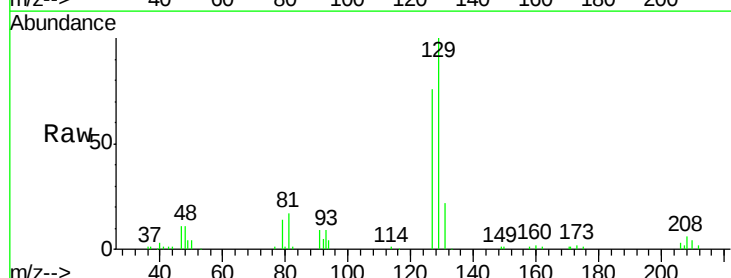
Manual Integrations
APPROVED

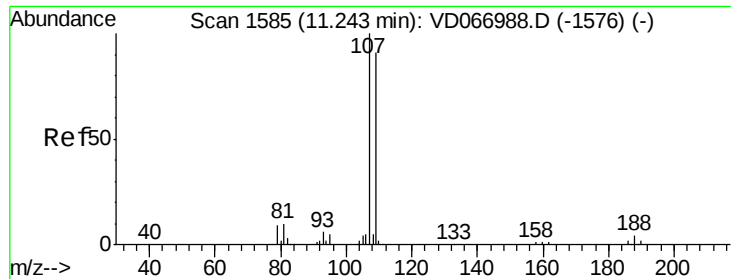
MMDadoda
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#60
Dibromochloromethane
Concen: 22.026 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion: 129 Resp: 80733
Ion Ratio Lower Upper
129 100
127 77.1 37.4 112.1





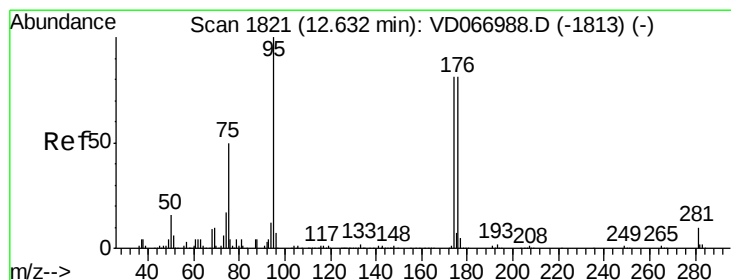
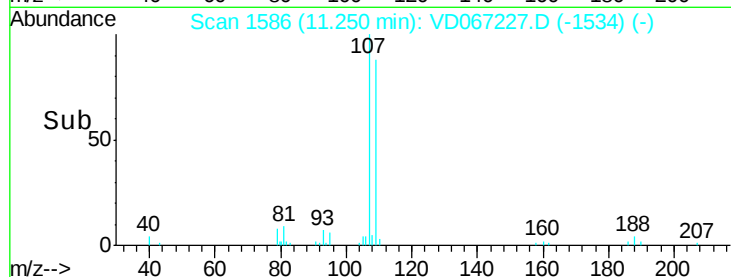
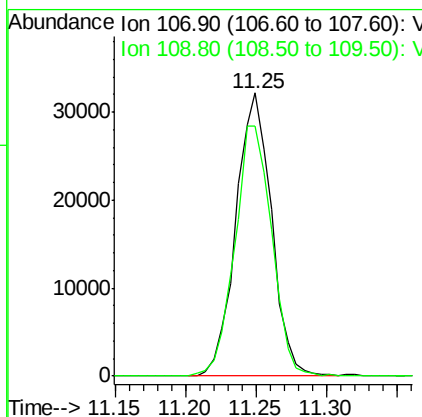
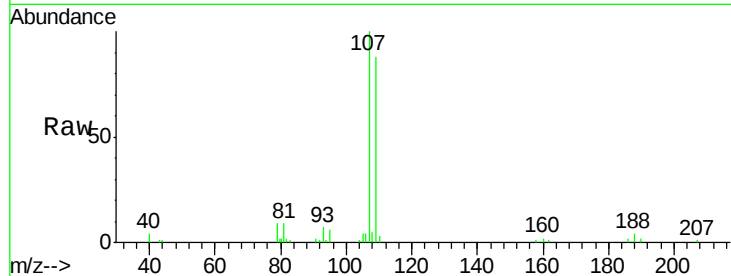
#61
 1,2-Dibromoethane
 Concen: 21.439 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.0	111.0

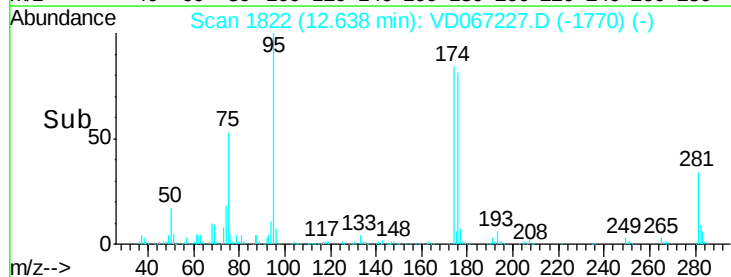
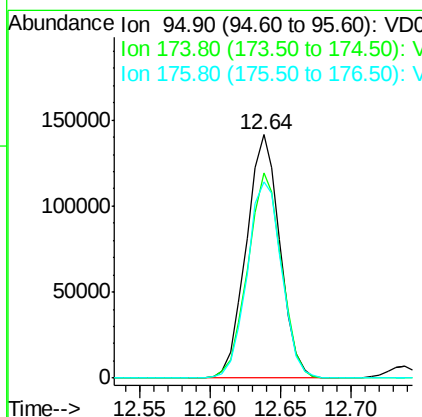
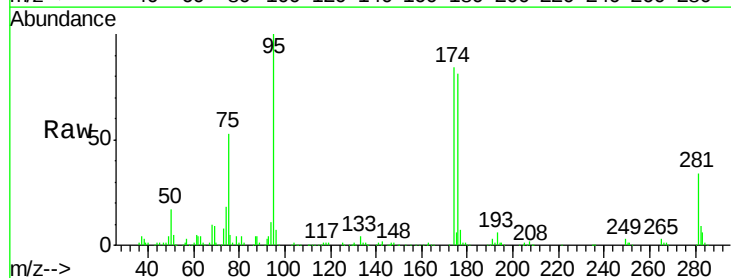
Manual Integrations
 APPROVED

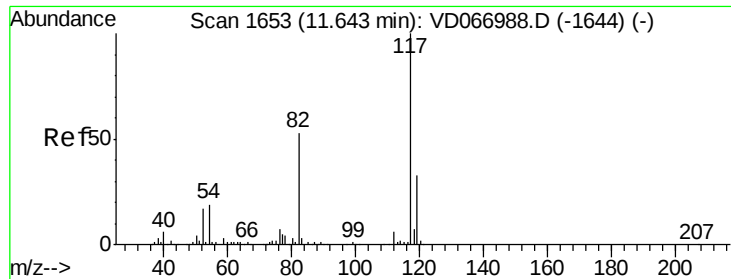
MMDadoda
 10/13/2020 1:52:19 PM



#62
 4-Bromofluorobenzene
 Concen: 51.582 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	167.6
176	82.8	0.0	162.4





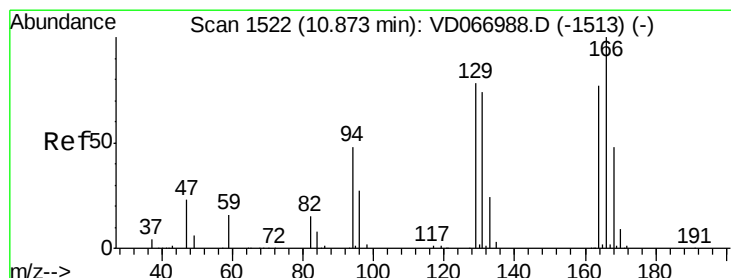
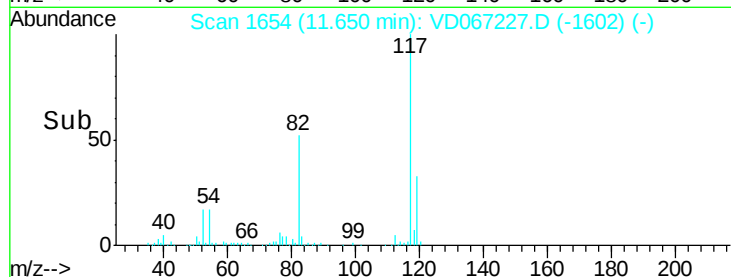
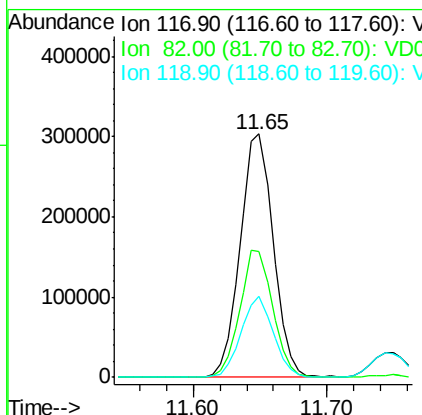
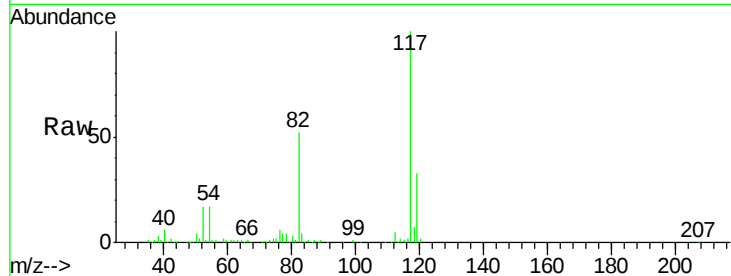
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.6	63.8
119	33.3	26.3	39.5

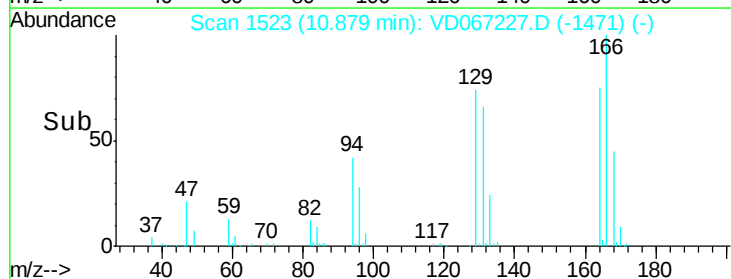
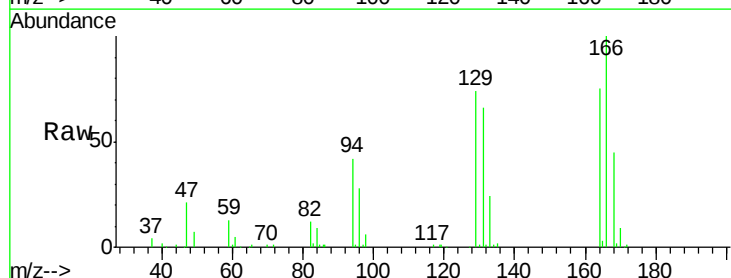
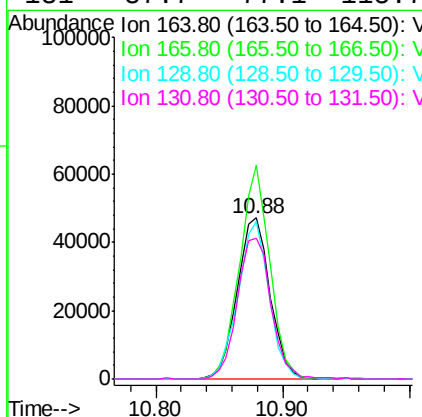
Manual Integrations
APPROVED

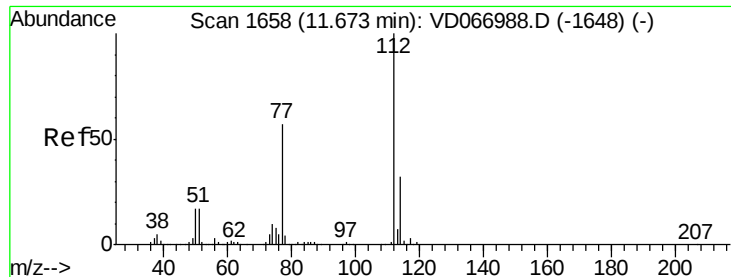
MMDadoda
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#64
Tetrachloroethene
Concen: 22.457 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	104.4	156.6
129	97.9	81.3	121.9
131	87.7	77.1	115.7





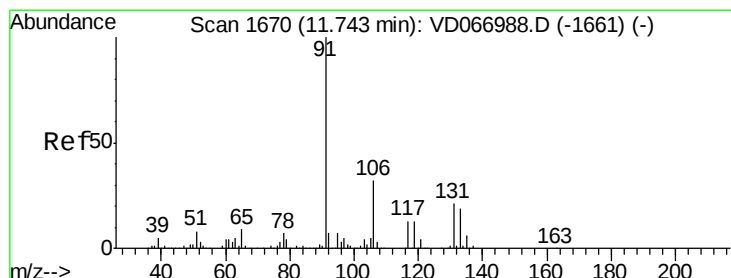
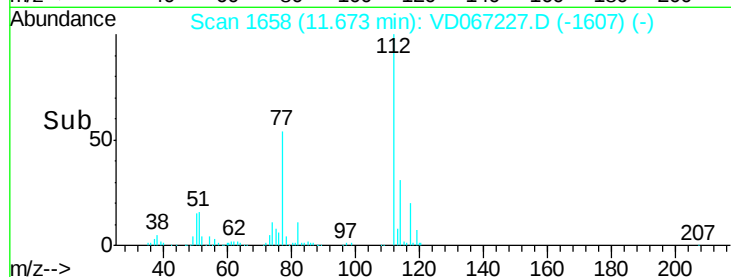
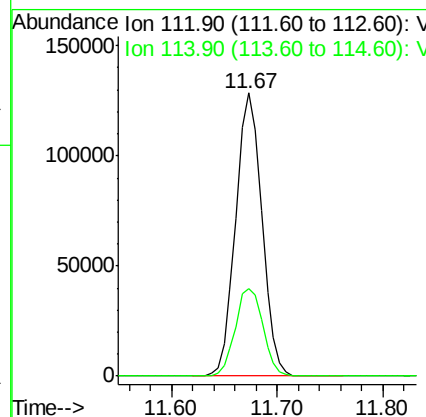
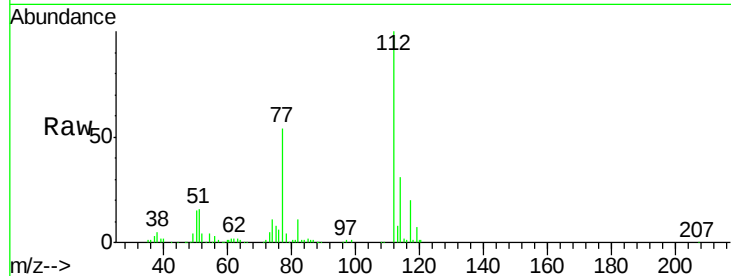
#65
Chlorobenzene
Concen: 21.333 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.4	38.0

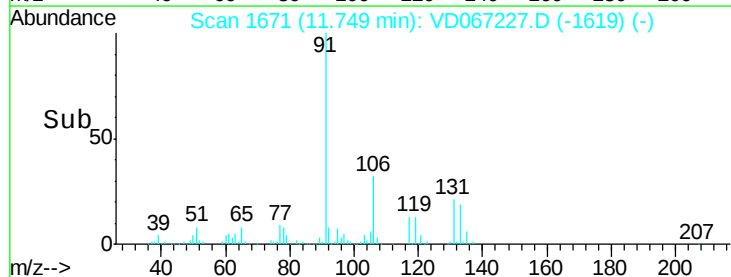
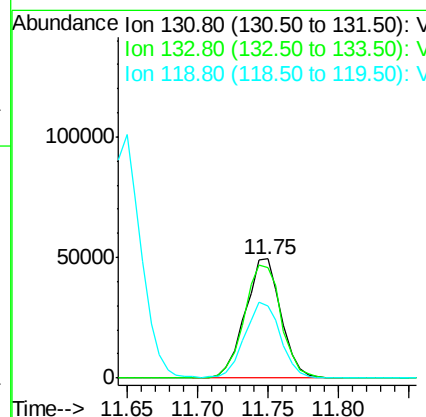
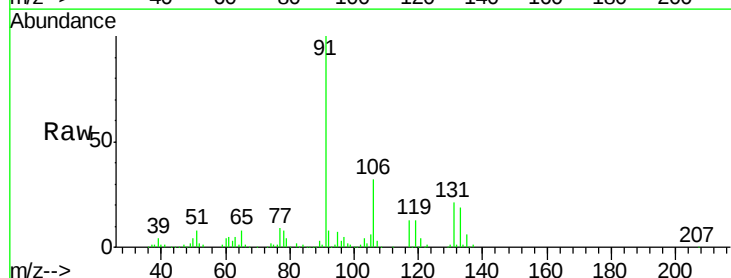
Manual Integrations
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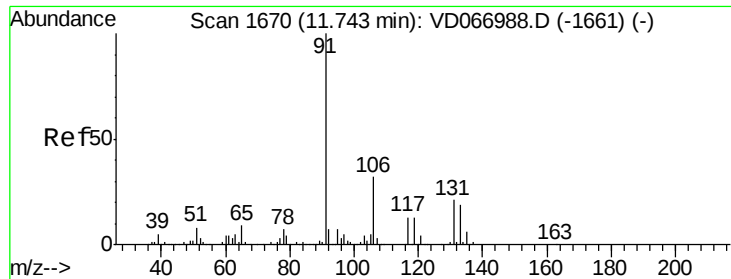
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.395 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.0	47.8	143.3
119	63.2	32.3	96.8





#67

Ethyl Benzene

Concen: 21.983 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 91 Resp: 389523

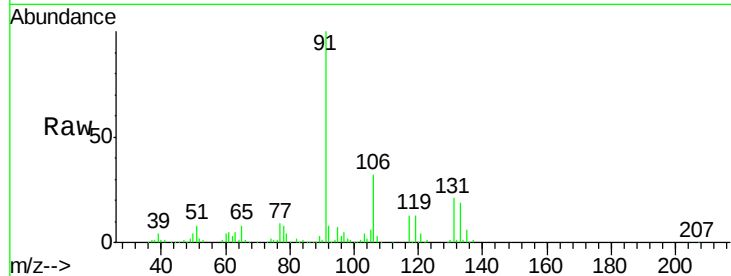
Ion Ratio Lower Upper

91 100

106 31.6 25.4 38.2

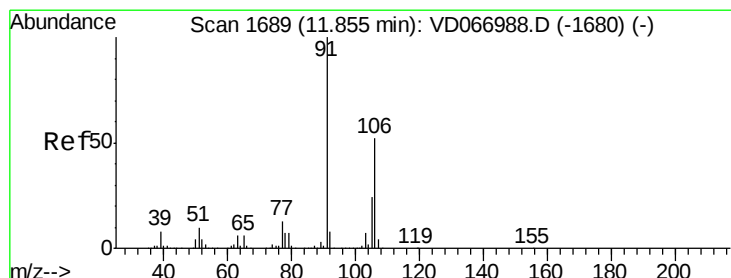
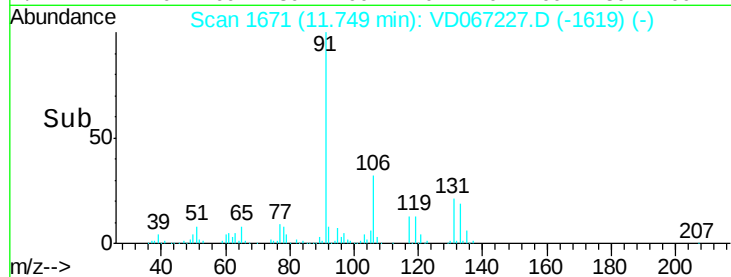
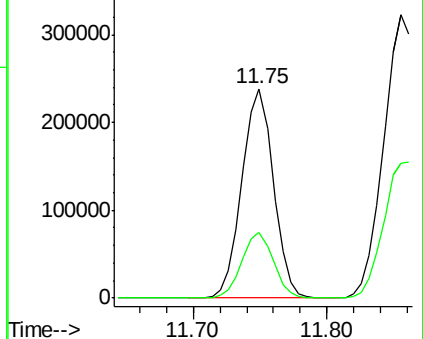
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1661) (-)

Ion 106.00 (105.70 to 106.70): VD066988.D (-1661) (-)



#68

m/p-Xylenes

Concen: 44.225 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067227.D

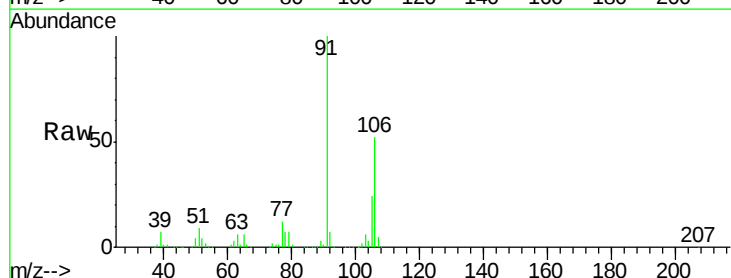
Acq: 12 Oct 2020 12:08

Tgt Ion: 106 Resp: 305396

Ion Ratio Lower Upper

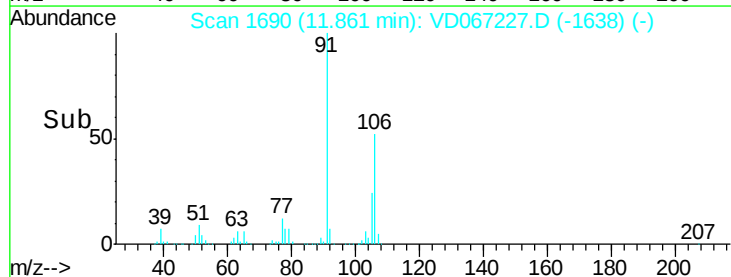
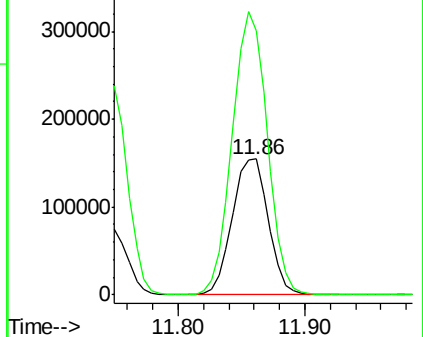
106 100

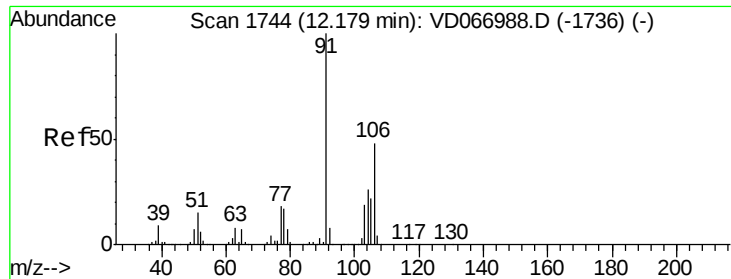
91 202.4 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): VD066988.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD066988.D (-1680) (-)





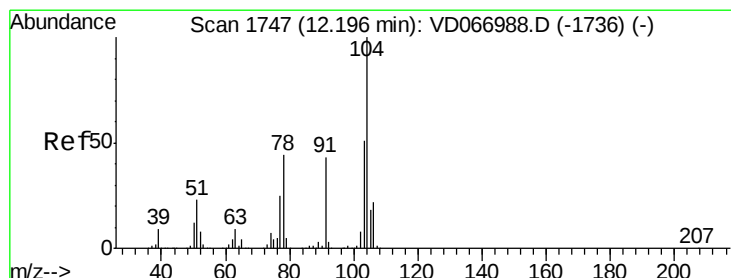
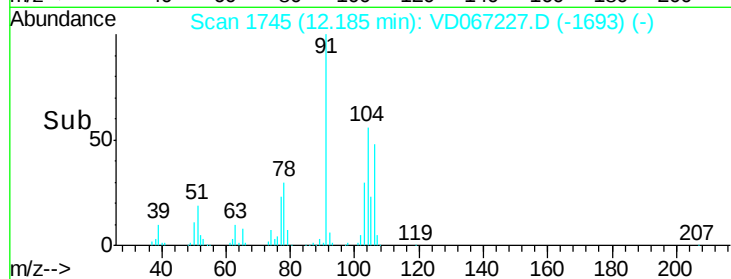
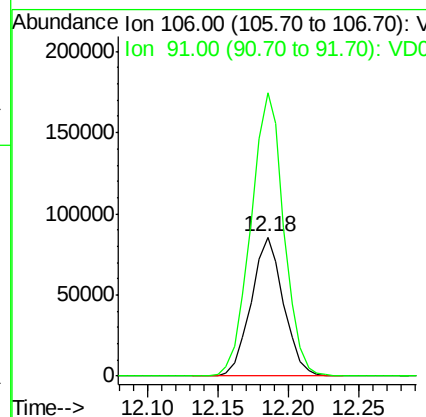
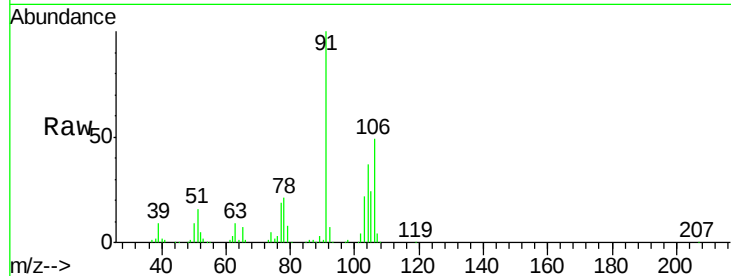
#69
o-Xylene
Concen: 22.289 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion:106 Resp: 137642
Ion Ratio Lower Upper
106 100
91 207.5 102.4 307.2

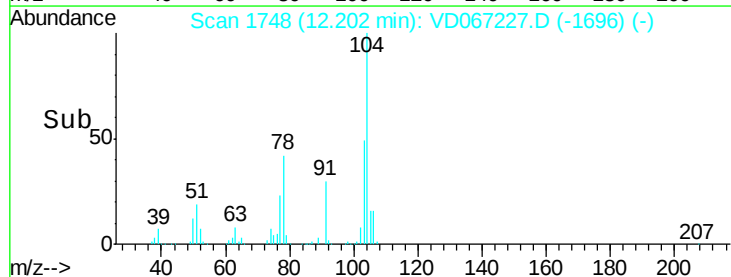
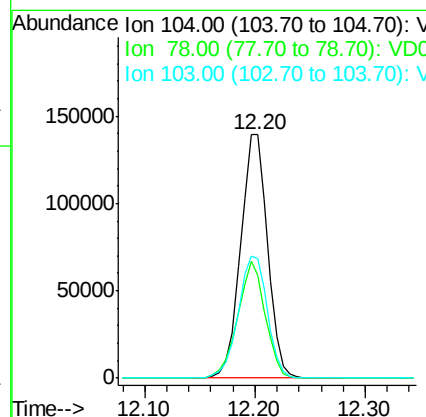
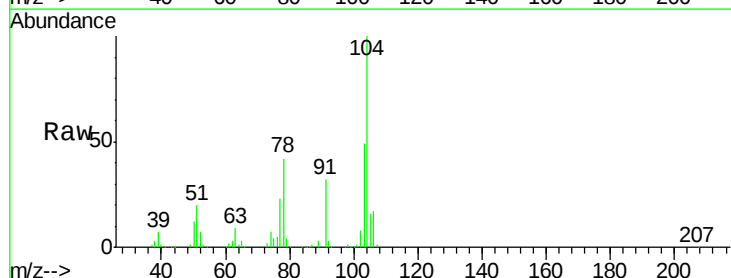
Manual Integrations
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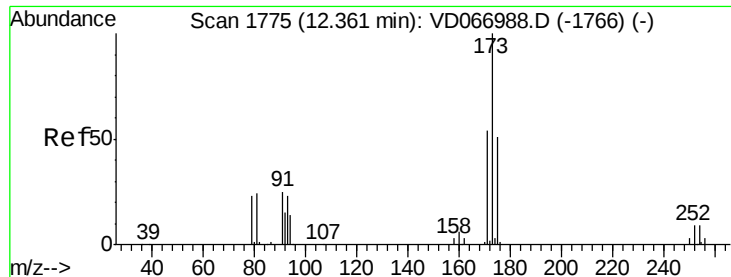
MMDadoda
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#70
Styrene
Concen: 22.575 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion:104 Resp: 239377
Ion Ratio Lower Upper
104 100
78 49.0 38.6 58.0
103 54.2 43.4 65.0





#71

Bromoform

Concen: 22.445 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion:173 Resp: 45832

Ion Ratio Lower Upper

173 100

175 46.8 24.9 74.7

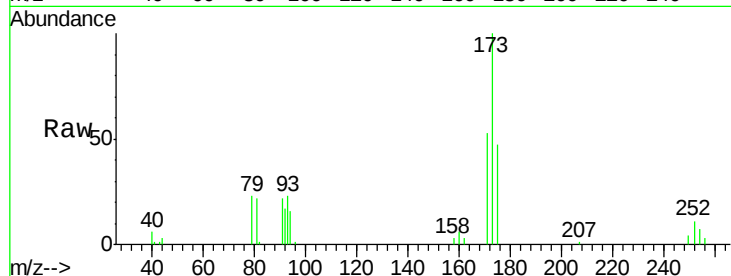
254 0.0 0.2 0.4#

Manual Integrations

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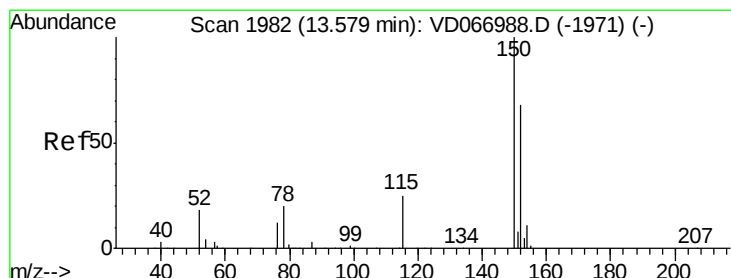
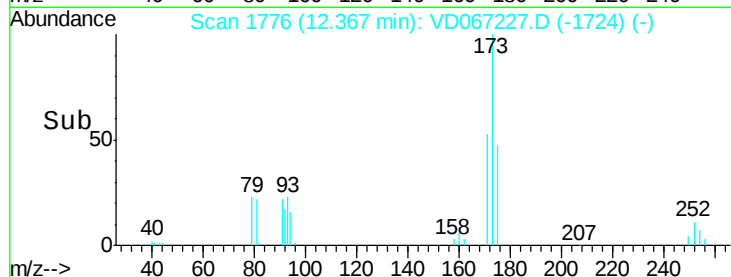
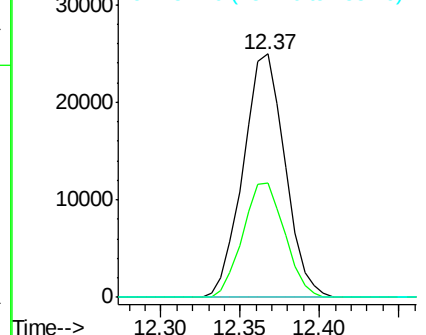
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

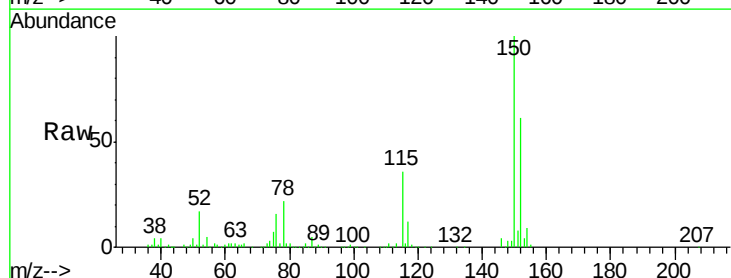
Tgt Ion:152 Resp: 266563

Ion Ratio Lower Upper

152 100

115 57.1 29.6 88.8

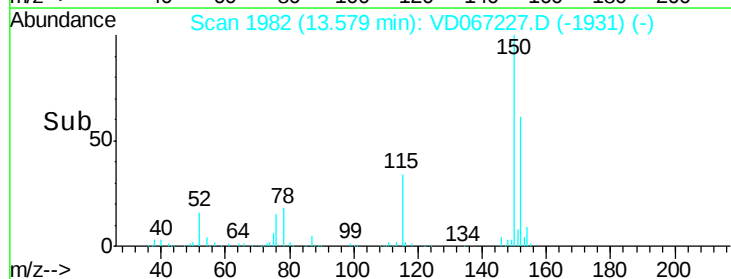
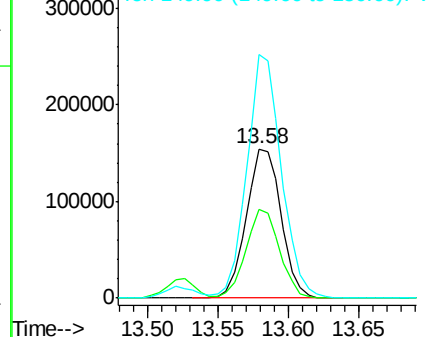
150 161.7 0.0 344.8

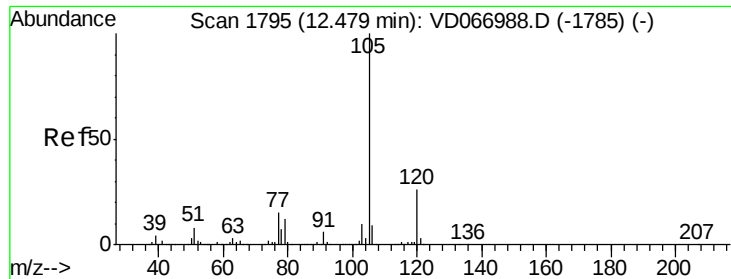


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.479 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion:105 Resp: 388767

Ion Ratio Lower Upper

105 100

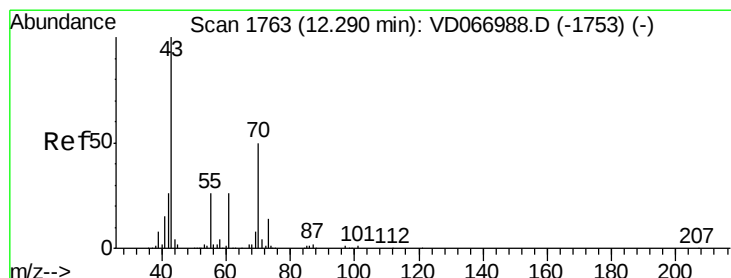
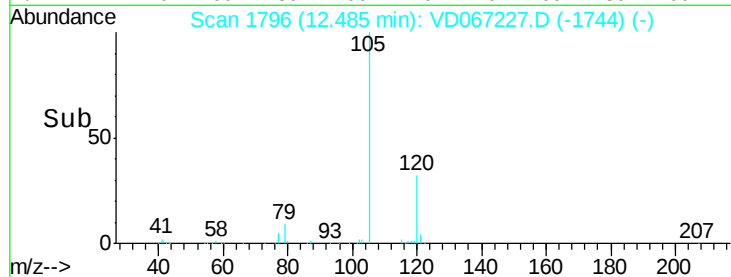
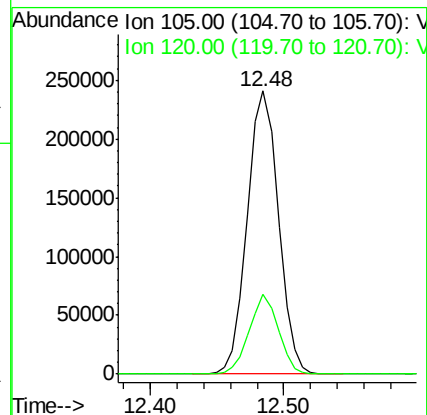
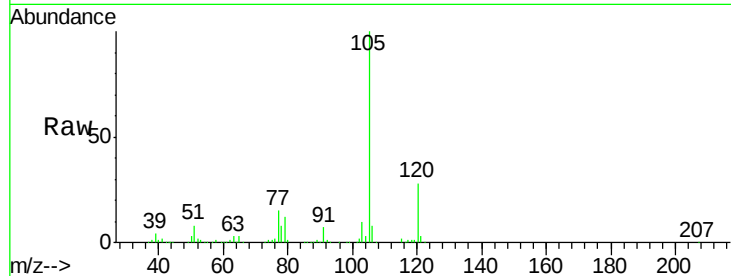
120 26.4 13.3 39.9

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#74

N-ethyl acetate

Concen: 17.620 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Tgt Ion: 43 Resp: 57332

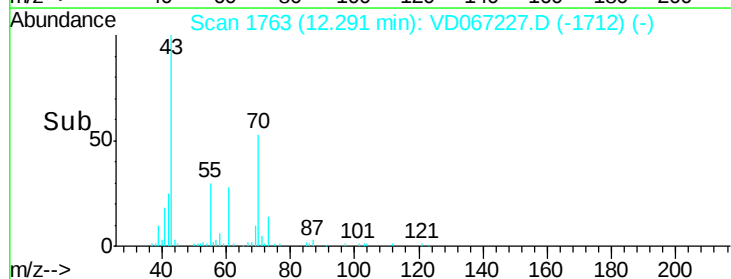
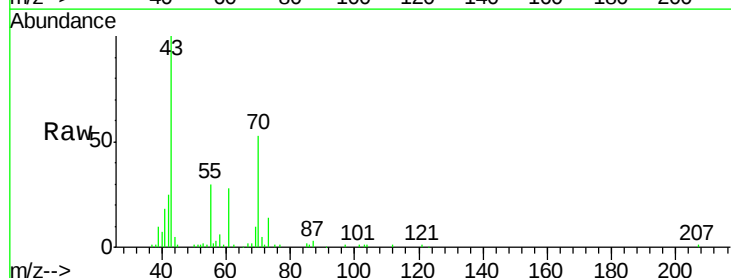
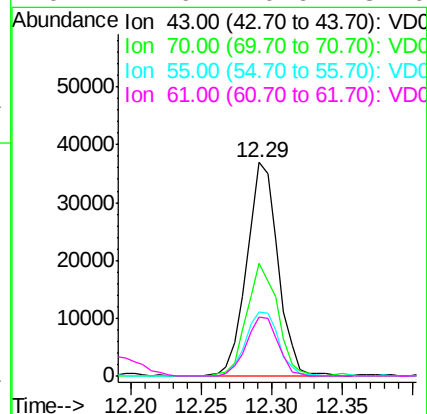
Ion Ratio Lower Upper

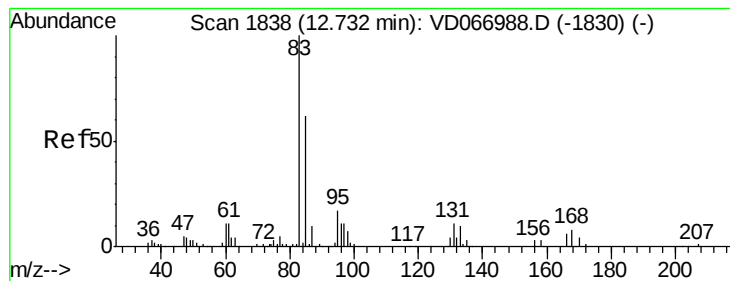
43 100

70 52.0 38.2 57.2

55 31.7 22.4 33.6

61 27.9 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.795 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 83 Resp: 57316

Ion Ratio Lower Upper

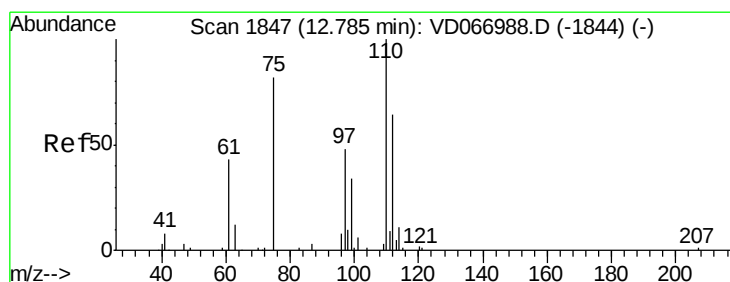
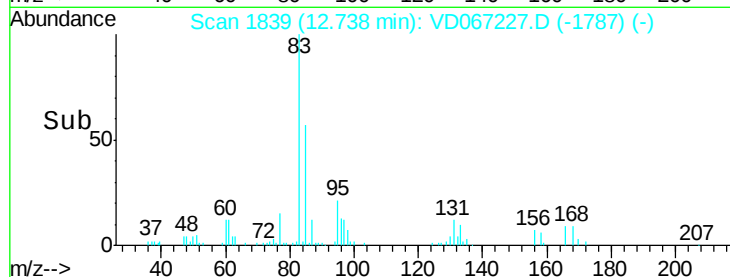
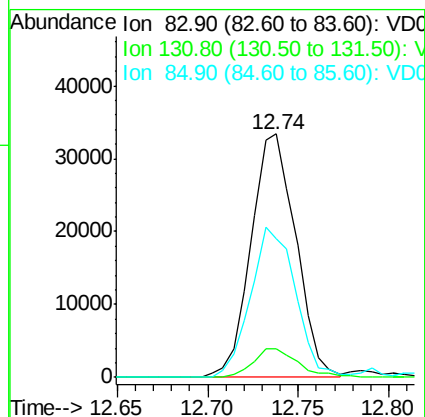
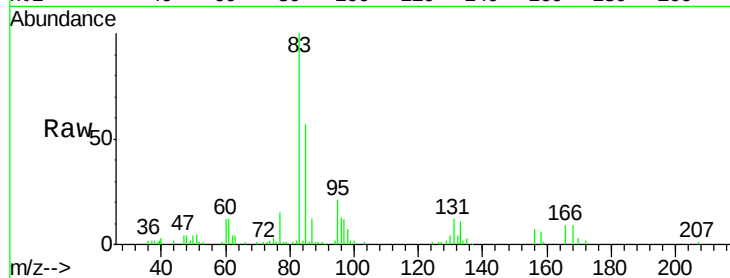
83 100

131 12.1 5.7 17.0

85 62.1 32.0 96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.336 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD067227.D

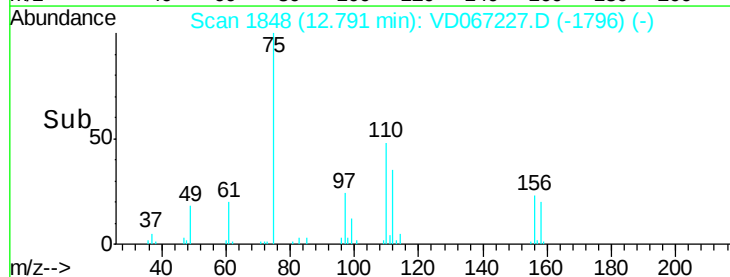
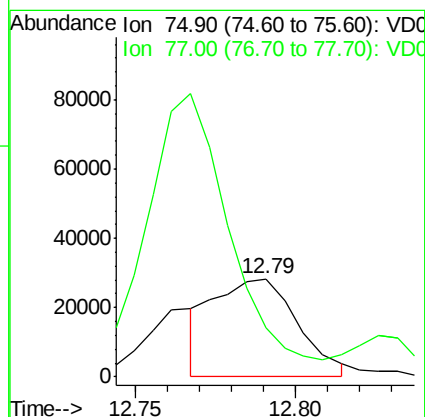
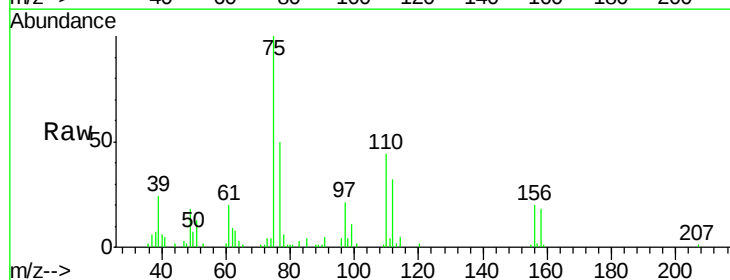
Acq: 12 Oct 2020 12:08

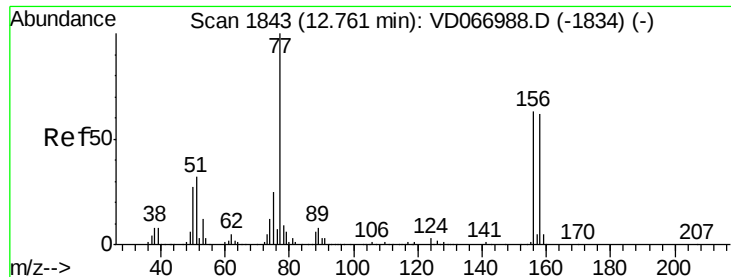
Tgt Ion: 75 Resp: 51862

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





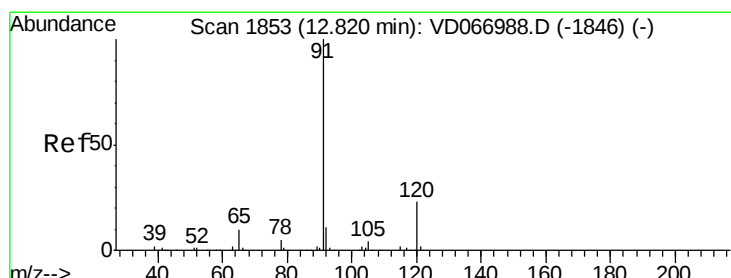
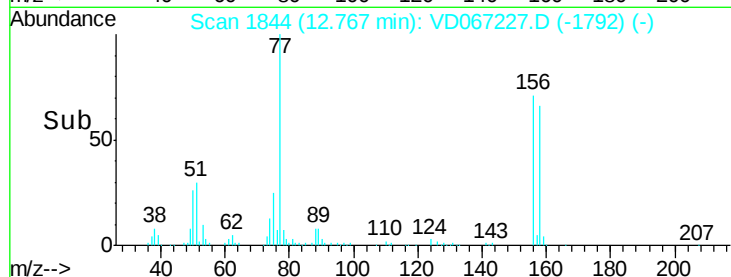
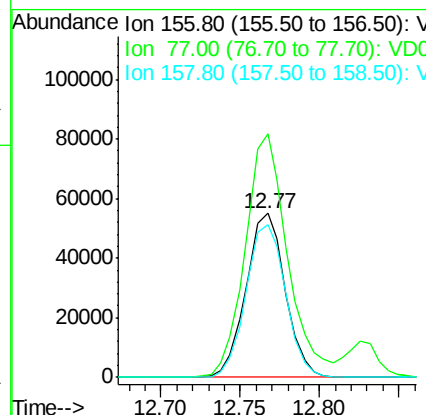
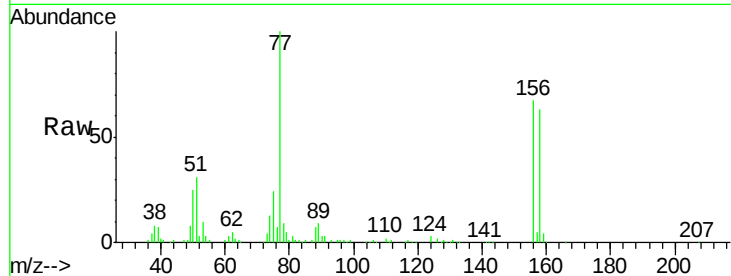
#77
Bromobenzene
Concen: 21.588 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.4	86.3	258.8
158	94.2	49.5	148.3

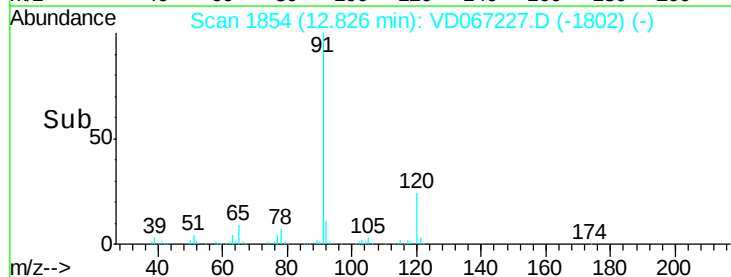
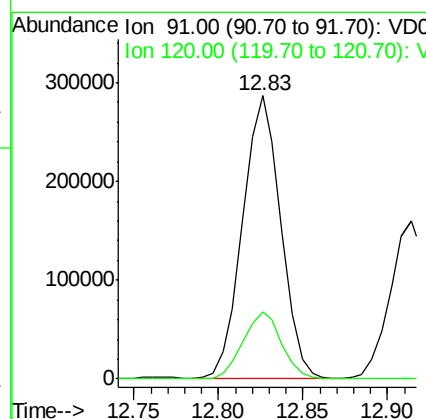
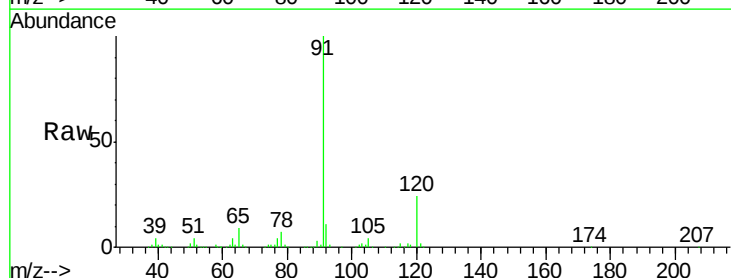
Manual Integrations
APPROVED

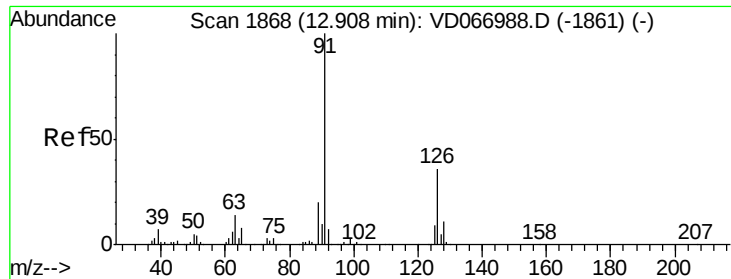
MMDadoda
10/13/2020 1:52:19 PM



#78
n-propylbenzene
Concen: 21.039 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.6	34.8





#79

2-Chlorotoluene

Concen: 21.315 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 91 Resp: 260871

Ion Ratio Lower Upper

91 100

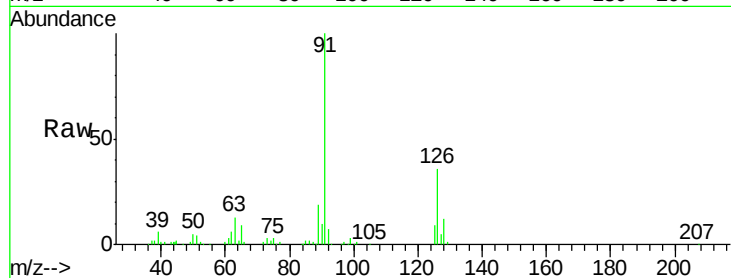
126 34.7 17.5 52.6

Manual Integrations

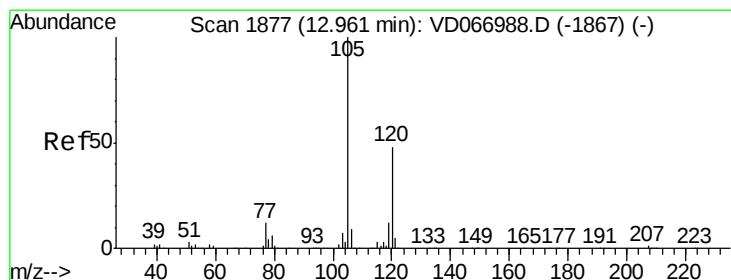
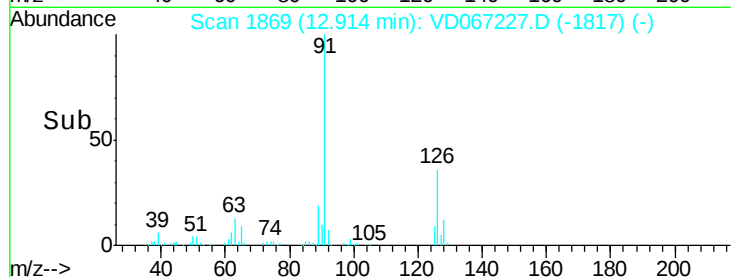
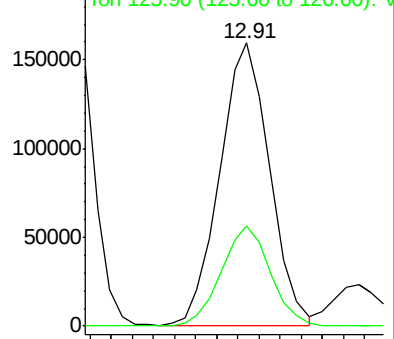
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.032 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067227.D

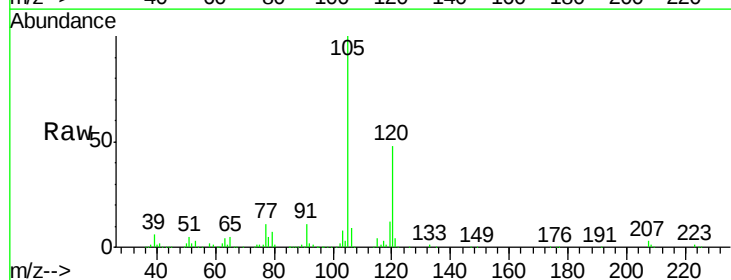
Acq: 12 Oct 2020 12:08

Tgt Ion: 105 Resp: 336928

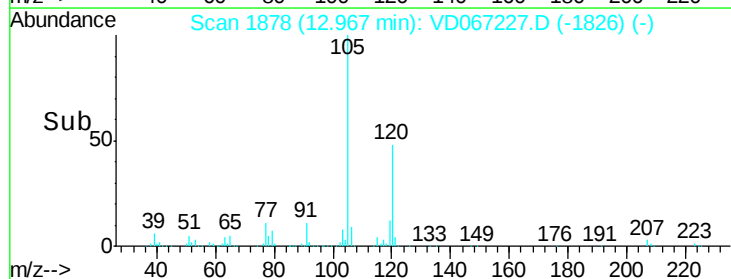
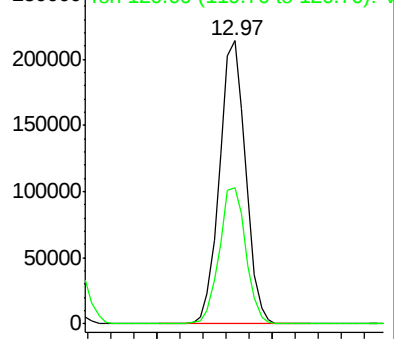
Ion Ratio Lower Upper

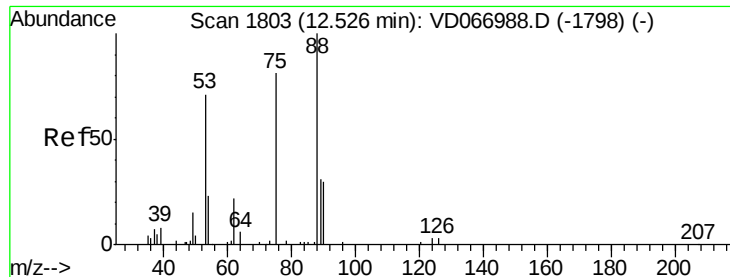
105 100

120 49.0 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VD066988.D (-1867) (-)





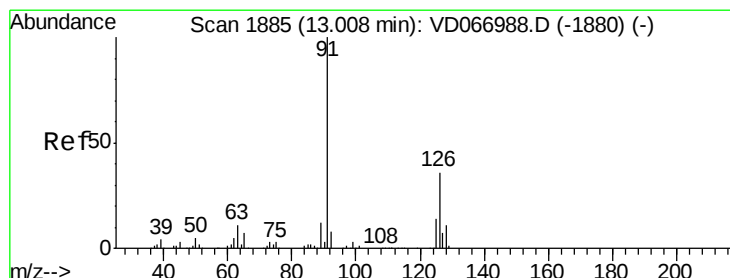
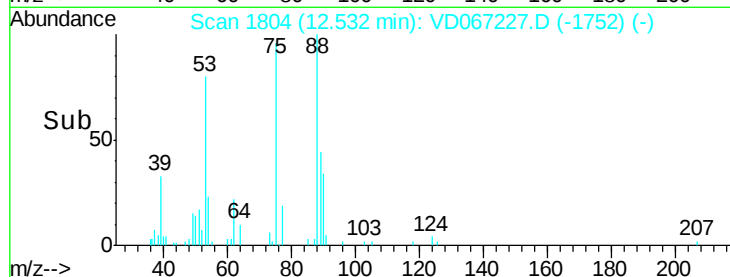
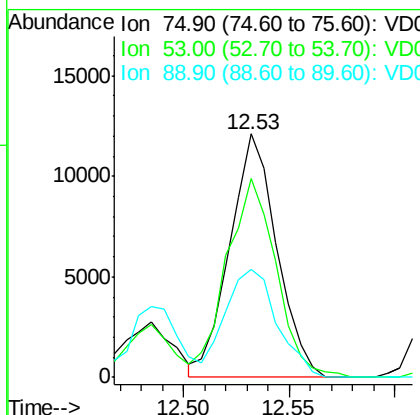
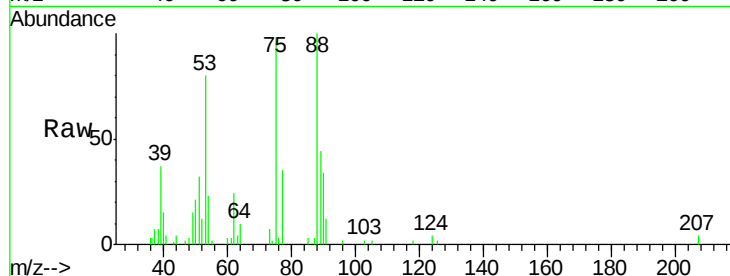
#81
trans-1,4-Dichloro-2-butene
Concen: 20.030 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.2	73.8	110.6
89	49.1	38.9	58.3

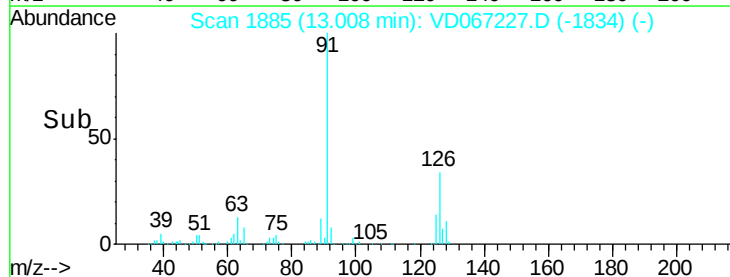
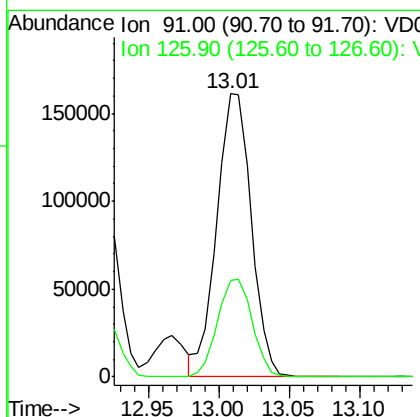
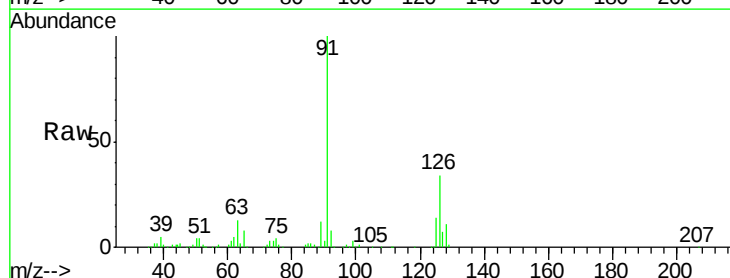
Manual Integrations
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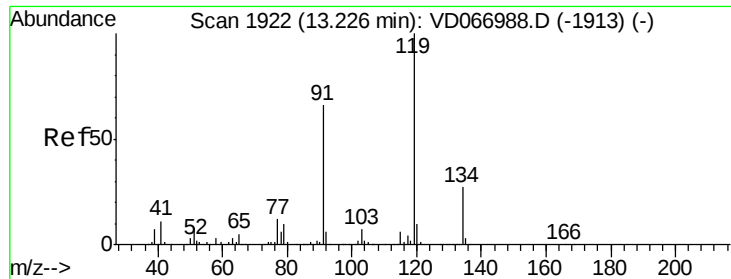
MMDadoda
10/13/2020 1:52:19 PM



#82
4-Chlorotoluene
Concen: 21.089 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.5	52.5





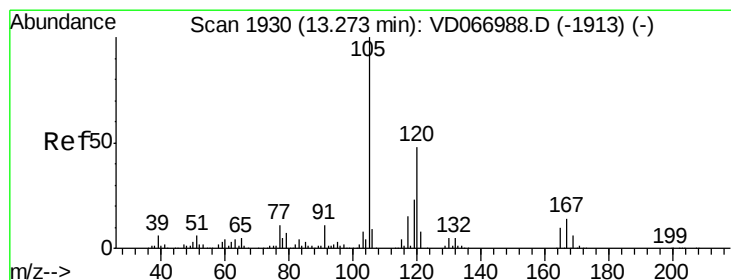
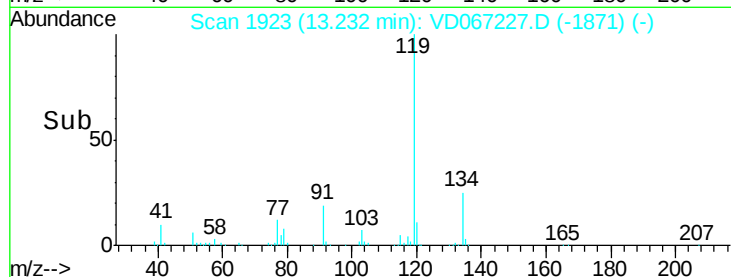
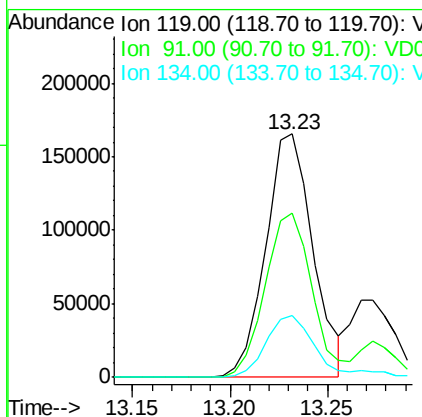
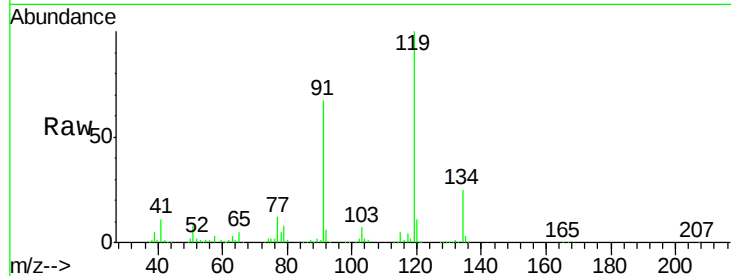
#83
tert-Butylbenzene
Concen: 21.620 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	278419		
91	67.6		32.8	98.3
134	27.3		13.9	41.7

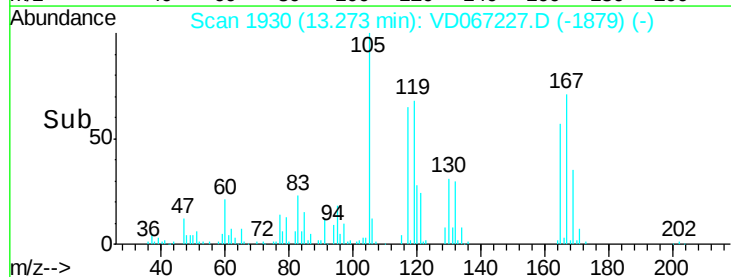
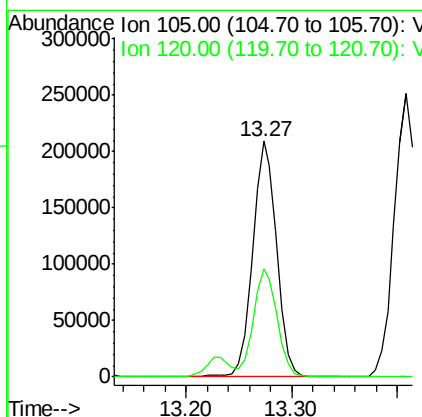
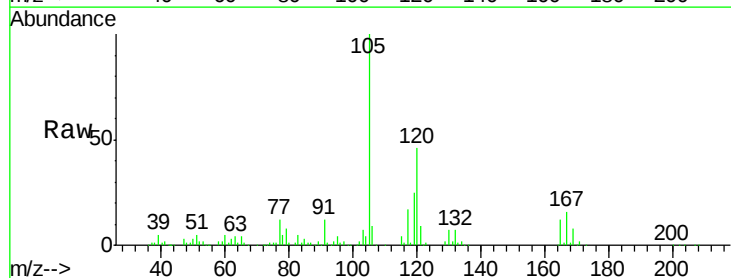
Manual Integrations
APPROVED

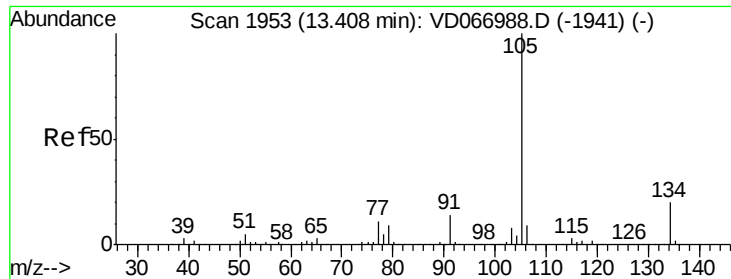
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.647 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	330356		
120	45.1		23.3	69.8





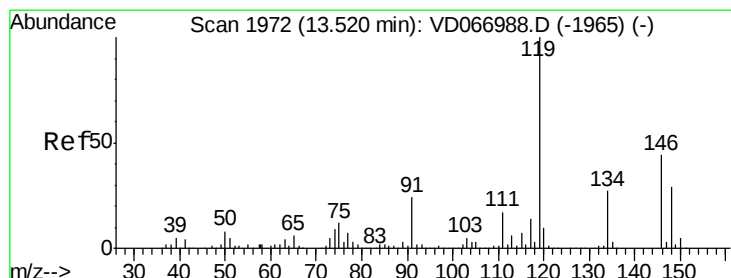
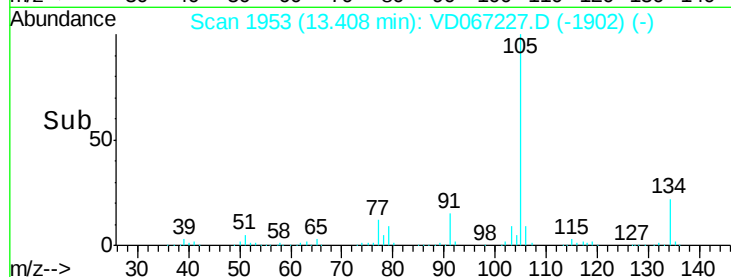
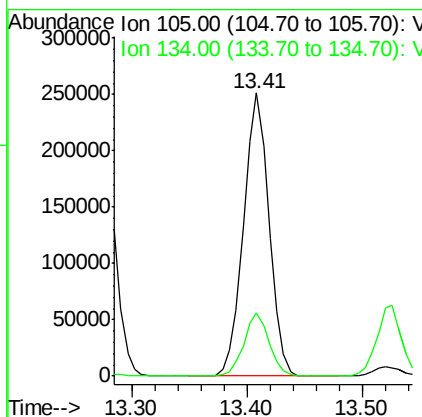
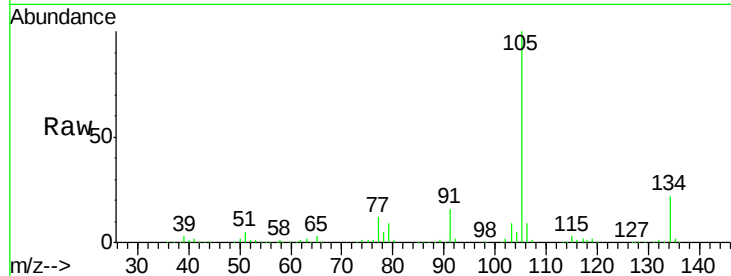
#85
 sec-Butylbenzene
 Concen: 21.208 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.9	10.3	30.8

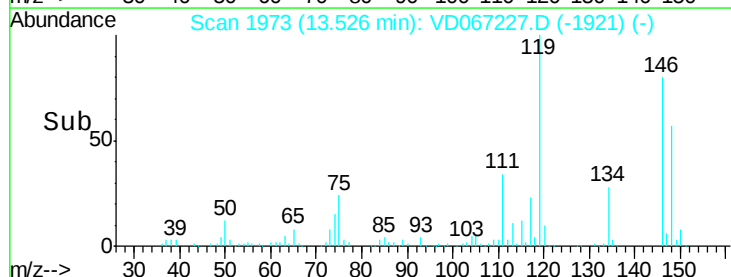
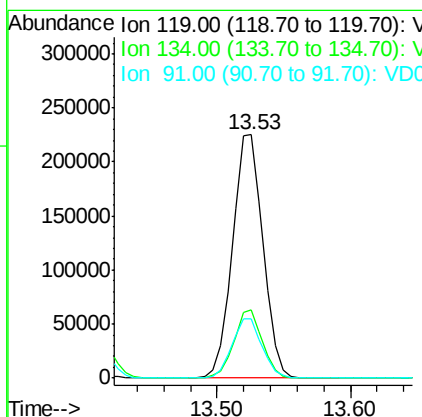
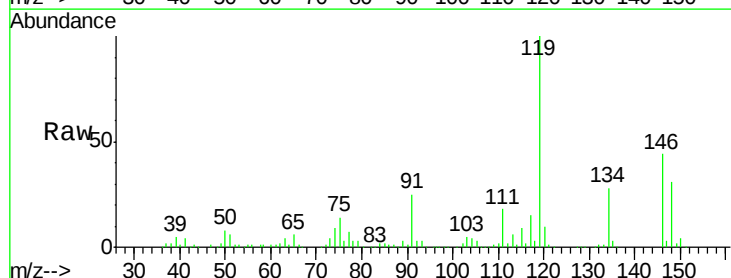
Manual Integrations
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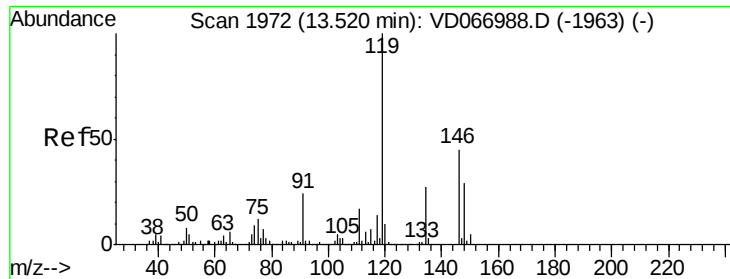
MMDadoda
 10/13/2020 1:52:19 PM



#86
 p-Isopropyltoluene
 Concen: 21.262 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	24.1	11.7	35.1





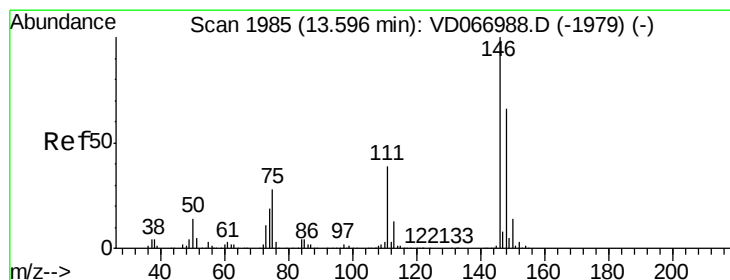
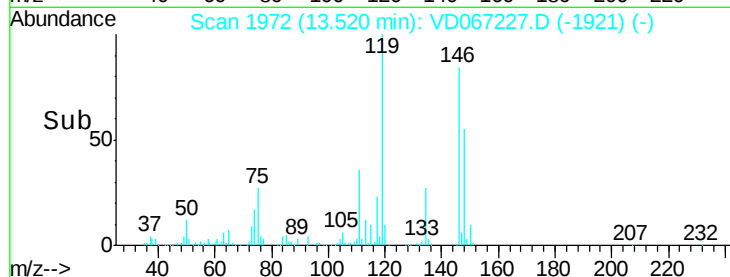
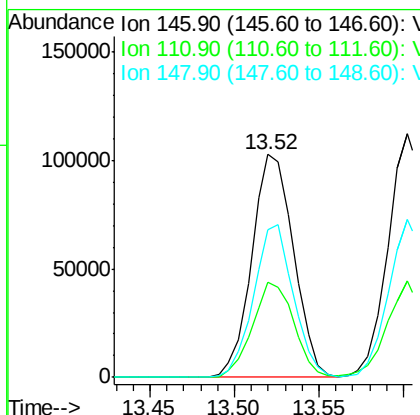
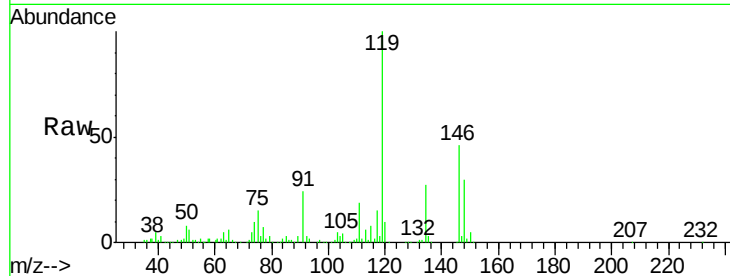
#87
 1,3-Dichlorobenzene
 Concen: 20.682 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.0	60.0
148	65.0	31.9	95.9

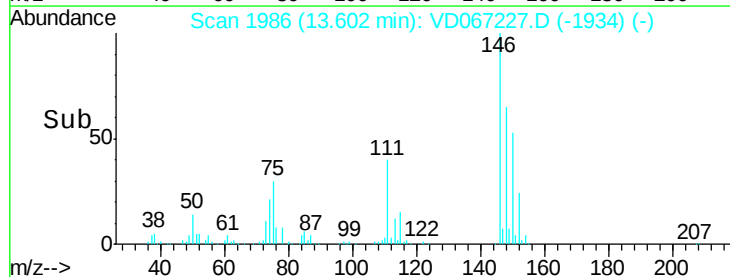
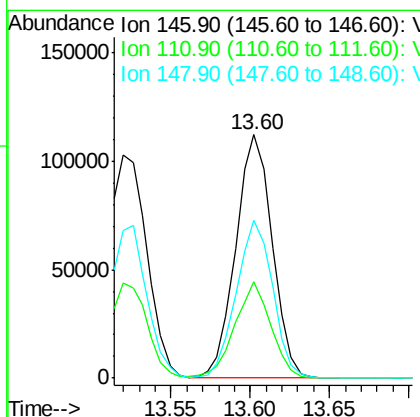
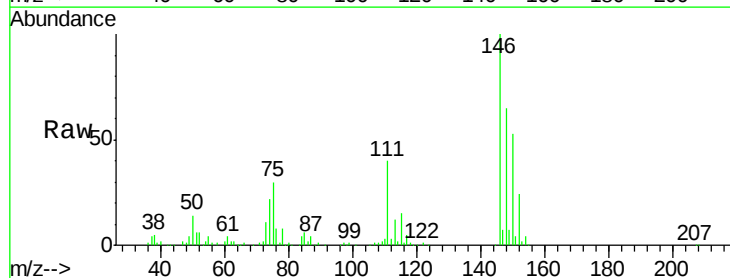
Manual Integrations
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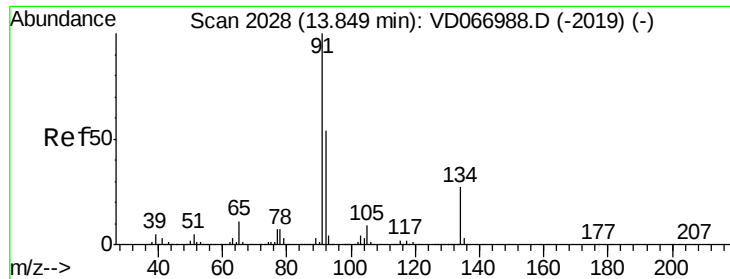
MMDadoda
 10/13/2020 1:52:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.108 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	64.6	32.6	97.7





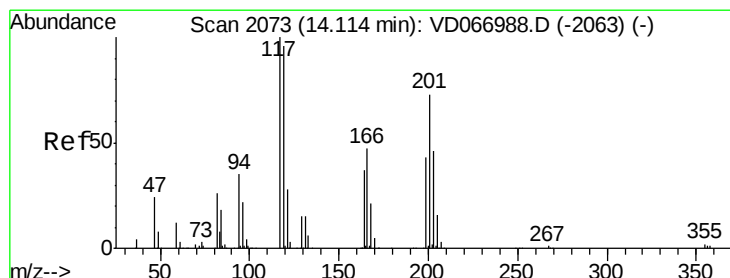
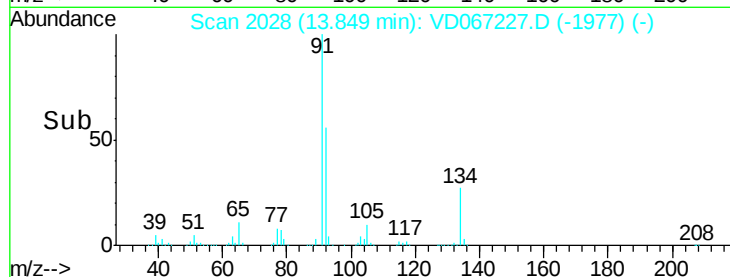
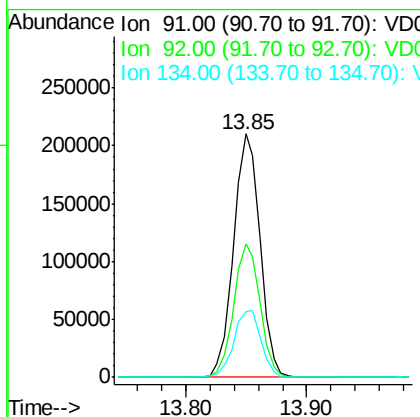
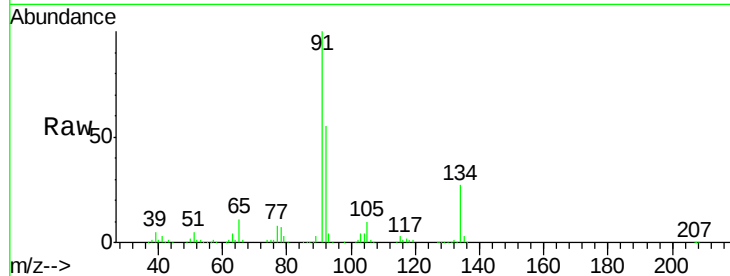
#89
n-Butylbenzene
Concen: 20.852 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.2
134	28.1	13.6	40.8

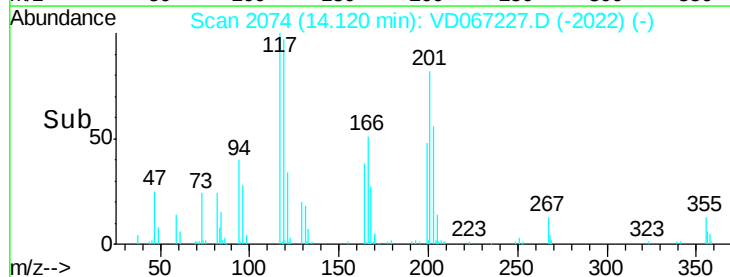
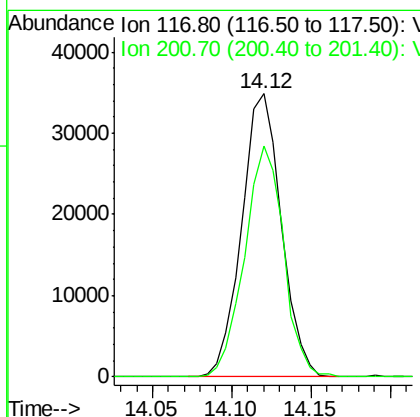
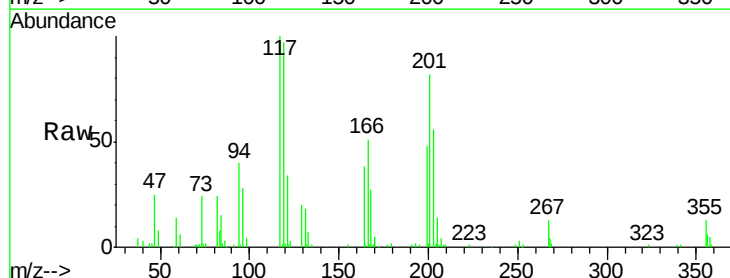
Manual Integrations
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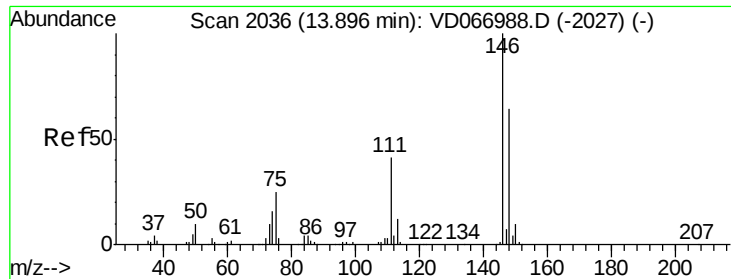
MMDadoda
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#90
Hexachloroethane
Concen: 20.579 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	37.0	110.9





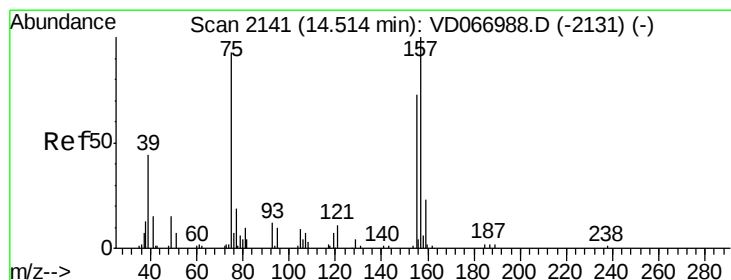
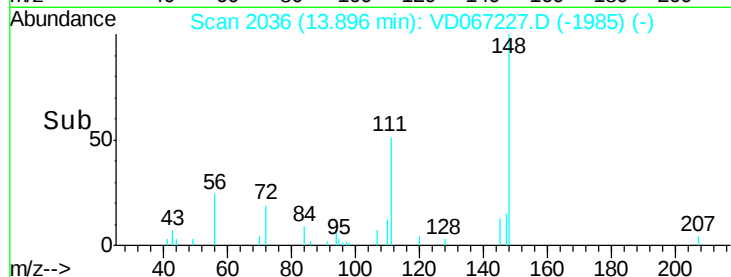
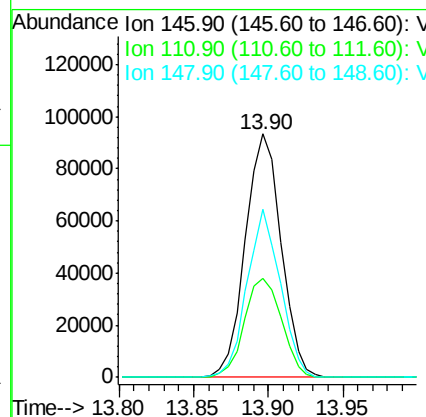
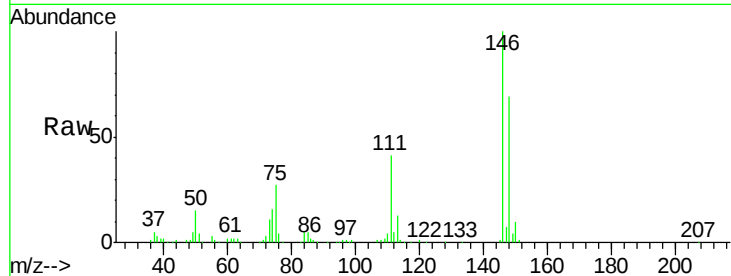
#91
 1,2-Dichlorobenzene
 Concen: 20.878 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.7
148	64.2	32.3	96.9

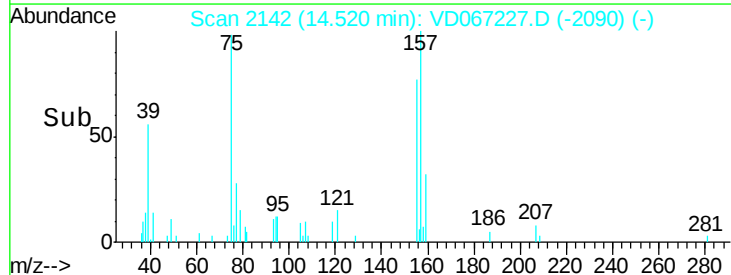
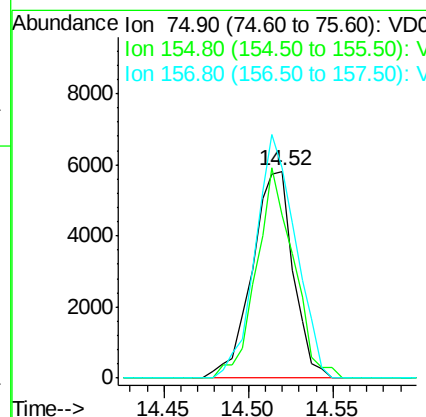
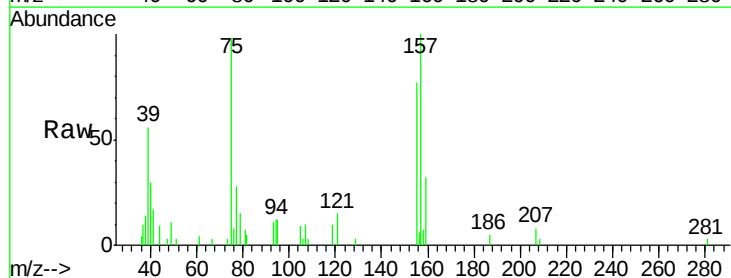
Manual Integrations
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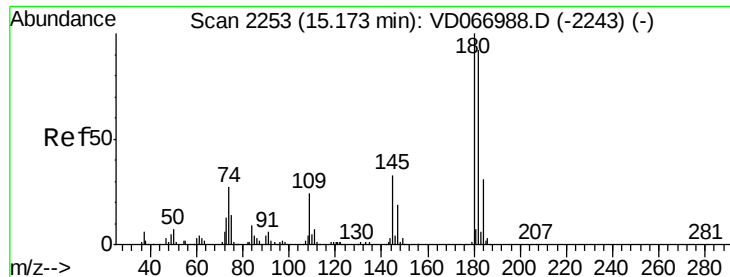
MMDadoda
 10/13/2020 1:52:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.978 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	45.2	135.6
157	115.7	56.3	168.8





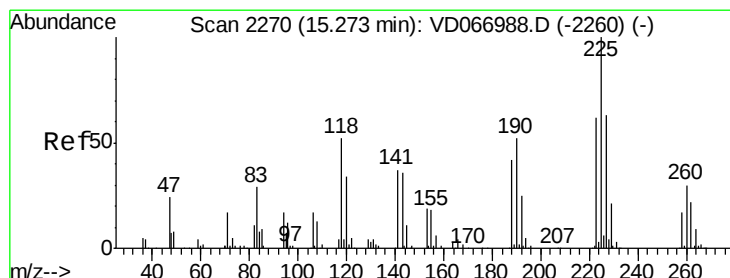
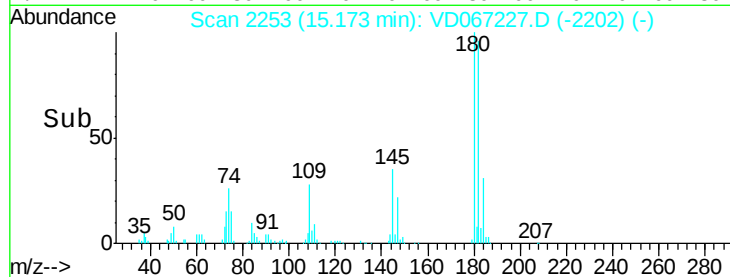
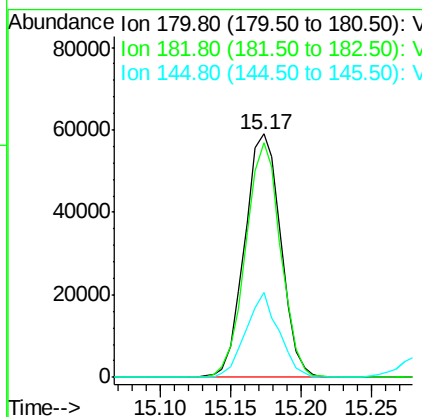
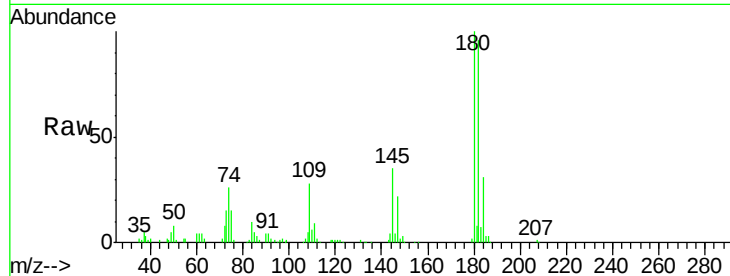
#93
 1,2,4-Trichlorobenzene
 Concen: 22.077 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106167		
182	93.3	47.3	142.0	
145	31.7	16.4	49.1	

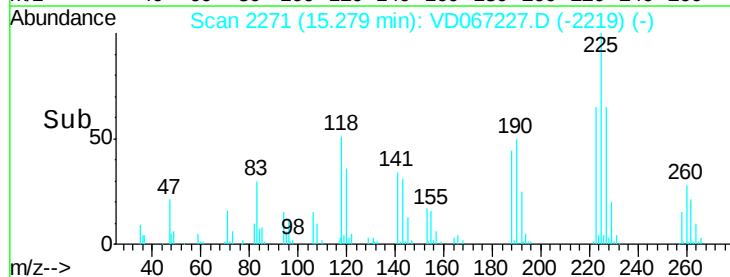
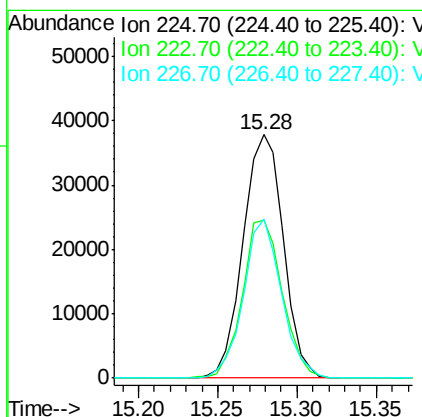
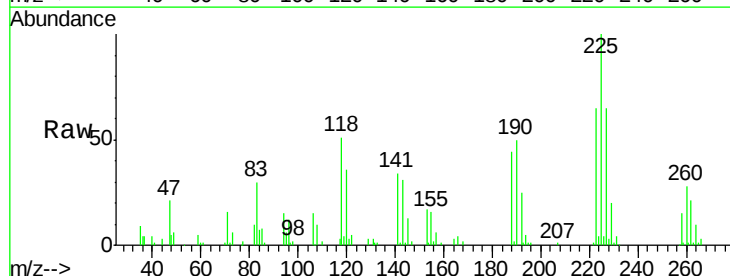
Manual Integrations
 APPROVED

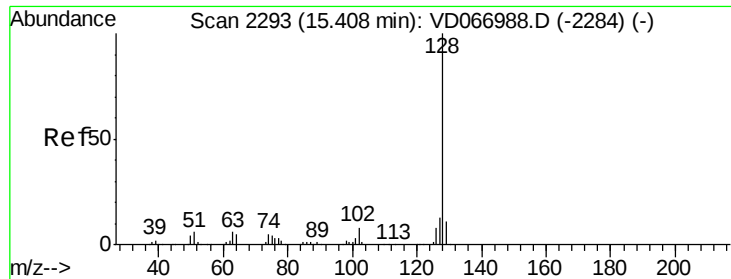
MMDadoda
 10/13/2020 1:52:19 PM



#94
 Hexachlorobutadiene
 Concen: 22.600 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66747		
223	64.4	32.4	97.0	
227	61.7	31.6	95.0	





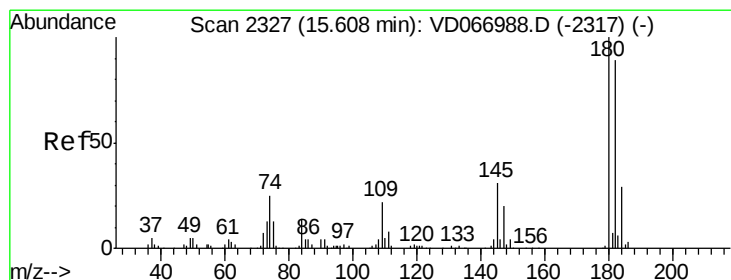
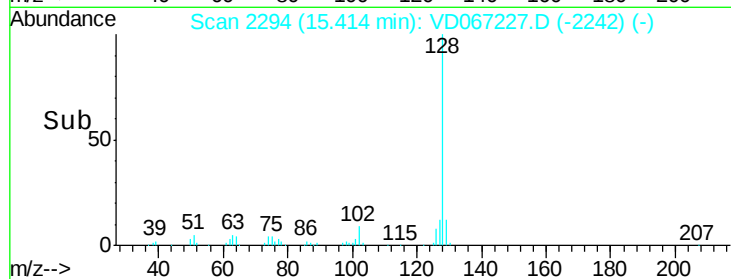
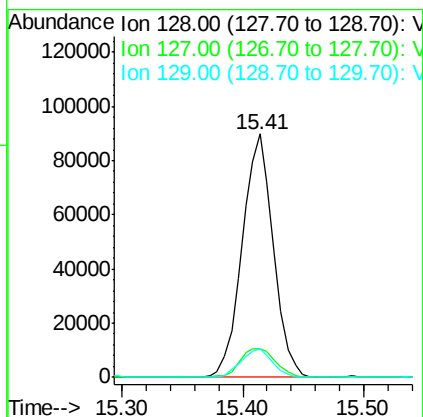
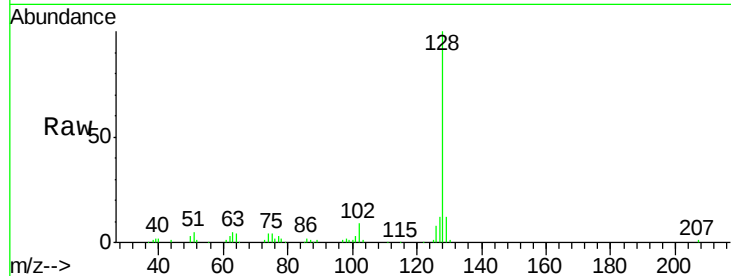
#95
Naphthalene
Concen: 20.012 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	160521		
127	13.5		10.3	15.5
129	11.7		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/13/2020 1:52:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.019 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	91921		
182	95.8		46.4	139.1
145	33.0		16.6	49.7

