

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066867.D
 Acq On : 25 Sep 2020 12:04
 Operator : VA/SY
 Sample : VD0925SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:45:17 AM

Quant Time: Sep 25 14:32:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	405015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	631670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	586534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280865	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	192710	48.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.22%	
35) Dibromofluoromethane	7.91	113	205063	51.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.06%	
50) Toluene-d8	10.34	98	712460	52.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.63	95	248491	53.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	75141	23.526	ug/l	92
3) Chloromethane	2.21	50	79041	21.241	ug/l	94
4) Vinyl Chloride	2.35	62	75984	20.668	ug/l	97
5) Bromomethane	2.76	94	51608	19.972	ug/l	94
6) Chloroethane	2.92	64	46669	20.442	ug/l	99
7) Trichlorofluoromethane	3.27	101	156527	20.731	ug/l	99
8) Diethyl Ether	3.71	74	39206	20.454	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90463	20.663	ug/l	99
10) Methyl Iodide	4.30	142	72810	18.846	ug/l	98
11) Tert butyl alcohol	5.21	59	27482	82.778	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	78011	19.670	ug/l	96
13) Acrolein	3.92	56	28245	96.587	ug/l	87
14) Allyl chloride	4.71	41	113167	19.432	ug/l	98
15) Acrylonitrile	5.42	53	84096	99.001	ug/l	98
16) Acetone	4.16	43	78215	93.010	ug/l	99
17) Carbon Disulfide	4.41	76	247693	20.428	ug/l	98
18) Methyl Acetate	4.72	43	37122	17.420	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	167775	19.480	ug/l	98
20) Methylene Chloride	4.96	84	109296	20.667	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	93049	20.262	ug/l	97
22) Diisopropyl ether	6.37	45	238477	19.916	ug/l	94
23) Vinyl Acetate	6.31	43	578193	90.659	ug/l	96
24) 1,1-Dichloroethane	6.27	63	157263	19.632	ug/l	98
25) 2-Butanone	7.21	43	96983	95.969	ug/l	90
26) 2,2-Dichloropropane	7.21	77	146434	19.944	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	100510	20.144	ug/l	98
28) Bromochloromethane	7.55	49	63910	19.312	ug/l	98
29) Tetrahydrofuran	7.56	42	63159	97.539	ug/l	99
30) Chloroform	7.71	83	166744	19.311	ug/l	97
31) Cyclohexane	7.98	56	141108	19.577	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	157394	20.150	ug/l	100
36) 1,1-Dichloropropene	8.11	75	129045	20.592	ug/l	99
37) Ethyl Acetate	7.29	43	44295	19.552	ug/l	98
38) Carbon Tetrachloride	8.09	117	140097	20.448	ug/l	96

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Quant Time: Sep 25 14:32:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147069	20.440	ug/l	97
40) Benzene	8.35	78	360929	20.666	ug/l	97
41) Methacrylonitrile	7.52	41	22256	15.975	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	103984	20.140	ug/l	99
43) Isopropyl Acetate	8.45	43	84826	19.421	ug/l	98
44) Trichloroethene	9.11	130	103422	20.775	ug/l	99
45) 1,2-Dichloropropane	9.38	63	85799	19.525	ug/l	92
46) Dibromomethane	9.47	93	47924	20.073	ug/l	93
47) Bromodichloromethane	9.66	83	131262	20.466	ug/l	96
48) Methyl methacrylate	9.45	41	40731	18.914	ug/l	97
49) 1,4-Dioxane	9.46	88	13150	426.133	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	223261	100.880	ug/l	100
52) Toluene	10.40	92	240668	21.393	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	113265	20.749	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	136277	20.474	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	70485	21.475	ug/l	100
56) Ethyl methacrylate	10.66	69	68370	19.445	ug/l	93
57) 1,3-Dichloropropane	10.94	76	112822	20.817	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	192828	115.824	ug/l	99
59) 2-Hexanone	10.98	43	151666	101.620	ug/l	99
60) Dibromochloromethane	11.14	129	87374	20.397	ug/l	98
61) 1,2-Dibromoethane	11.24	107	64137	21.009	ug/l	99
64) Tetrachloroethene	10.87	164	89475	21.208	ug/l	97
65) Chlorobenzene	11.67	112	249115	20.404	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	93617	20.260	ug/l	99
67) Ethyl Benzene	11.74	91	428100	19.965	ug/l	99
68) m/p-Xylenes	11.86	106	339076	41.765	ug/l	98
69) o-Xylene	12.18	106	147281	20.063	ug/l	99
70) Styrene	12.19	104	263117	20.639	ug/l	99
71) Bromoform	12.36	173	48396	20.686	ug/l #	95
73) Isopropylbenzene	12.48	105	415446	20.476	ug/l	99
74) N-amyl acetate	12.28	43	78018	19.690	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	72697	20.764	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	54433m	23.386	ug/l	
77) Bromobenzene	12.76	156	101062	21.297	ug/l	95
78) n-propylbenzene	12.82	91	498999	20.443	ug/l	99
79) 2-Chlorotoluene	12.91	91	284715	20.469	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	354619	20.598	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18779	20.185	ug/l	95
82) 4-Chlorotoluene	13.00	91	308675	21.052	ug/l	99
83) tert-Butylbenzene	13.23	119	290775	20.554	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	354391	20.759	ug/l	99
85) sec-Butylbenzene	13.40	105	416387	20.468	ug/l	100
86) p-Isopropyltoluene	13.52	119	381578	20.809	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	194907	20.790	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	191794	20.598	ug/l	99
89) n-Butylbenzene	13.84	91	356146	20.434	ug/l	99
90) Hexachloroethane	14.11	117	74518	20.017	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	168051	20.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	10725	19.043	ug/l	89

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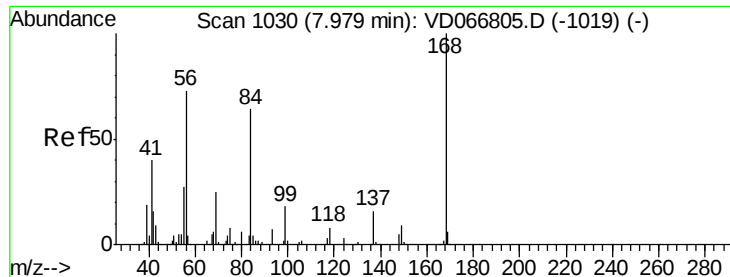
Manual Integrations
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9/29/2020 11:45:17 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	102158	20.233	ug/l	97
94) Hexachlorobutadiene	15.27	225	64239	21.231	ug/l	98
95) Naphthalene	15.41	128	166990	19.480	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	89142	20.455	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

Tot Ion:168 Resp: 405015

Ion Ratio Lower Upper

168 100

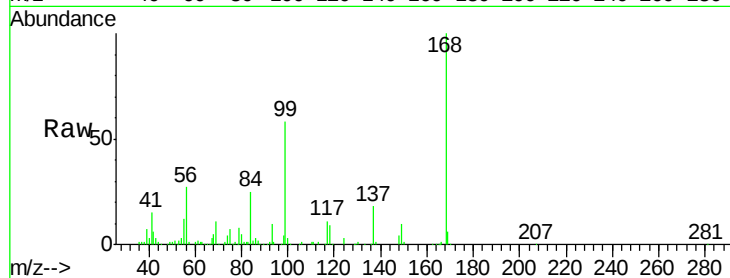
99 57.2 46.6 69.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

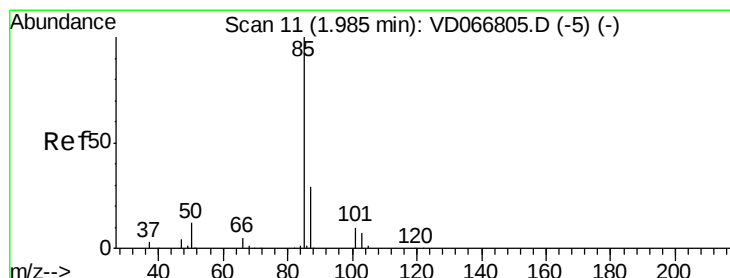
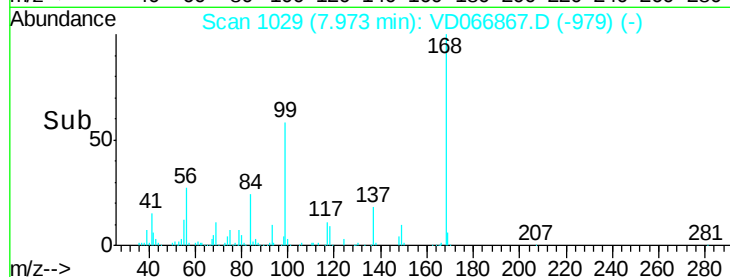
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.526 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066867.D

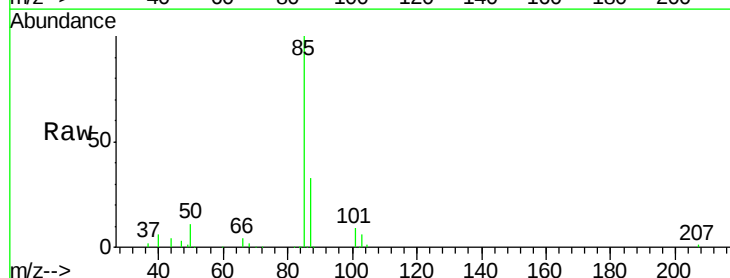
Acq: 25 Sep 2020 12:04

Tgt Ion: 85 Resp: 75141

Ion Ratio Lower Upper

85 100

87 33.1 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

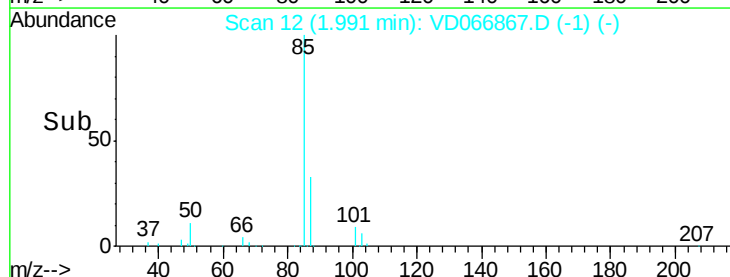
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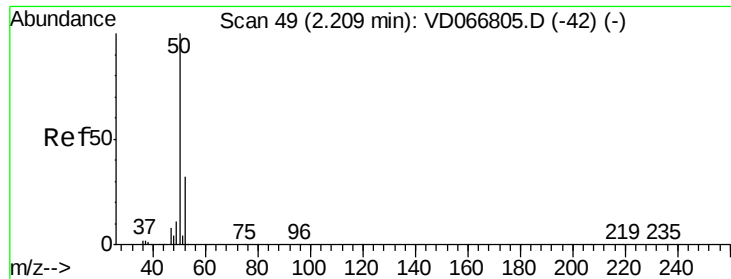
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10000

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Time-->





#3

Chloromethane

Concen: 21.241 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

Tot Ion: 50 Resp: 79041

Ion Ratio Lower Upper

50 100

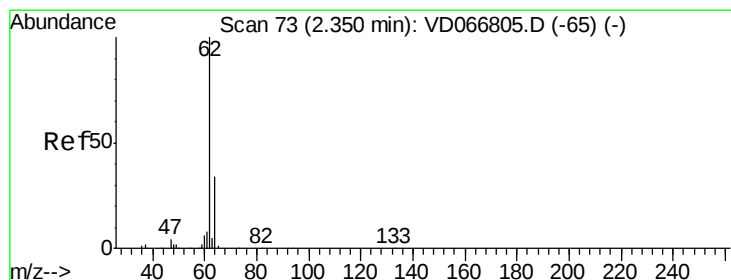
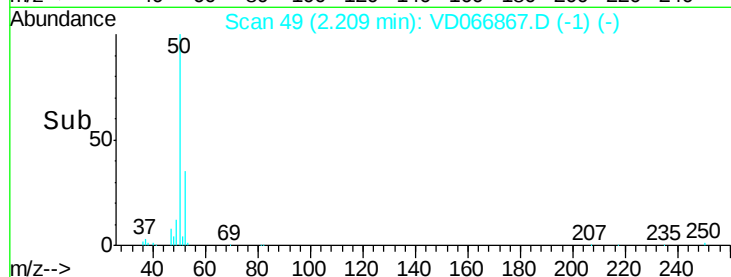
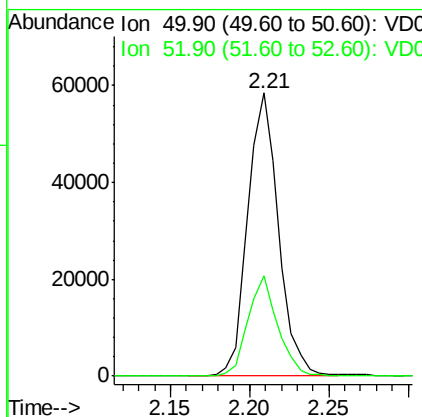
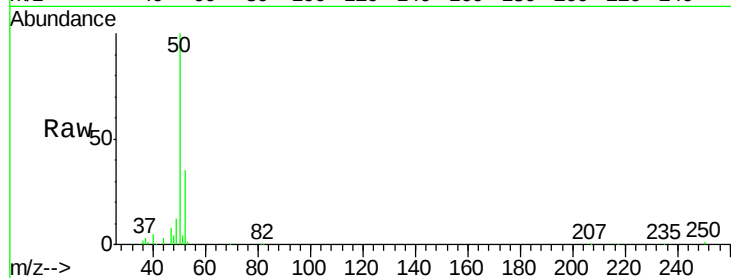
52 35.5 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.668 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066867.D

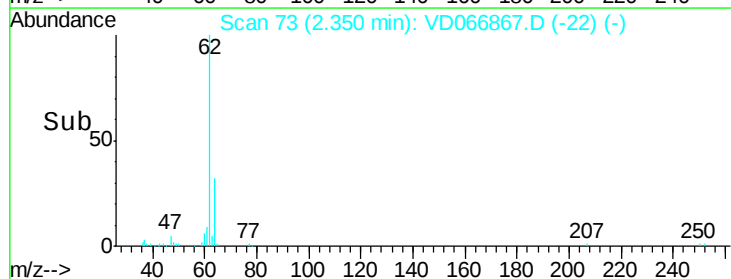
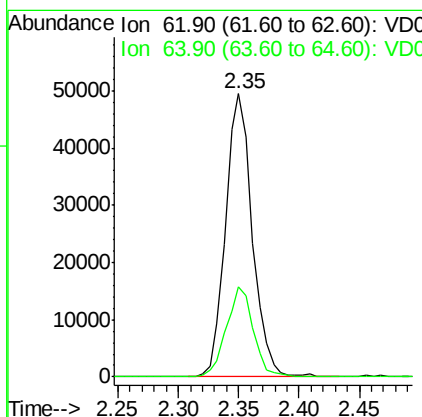
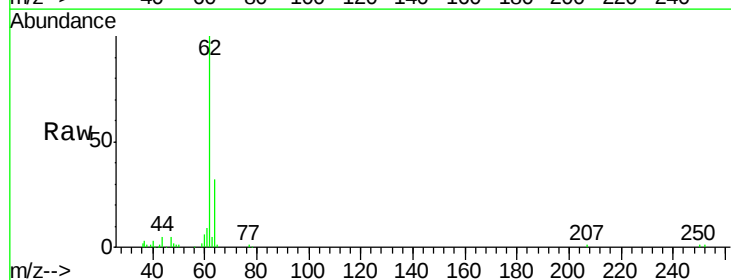
Acq: 25 Sep 2020 12:04

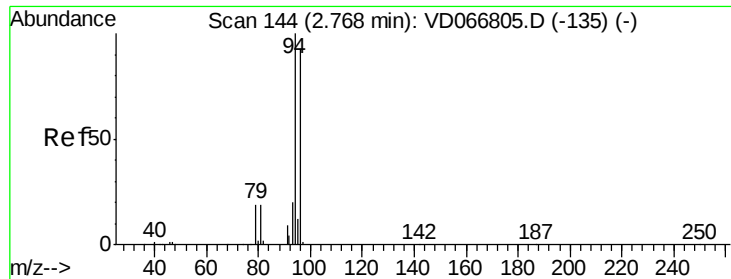
Tgt Ion: 62 Resp: 75984

Ion Ratio Lower Upper

62 100

64 31.9 27.0 40.4





#5

Bromomethane

Concen: 19.972 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

Tot Ion: 94 Resp: 51608

Ion Ratio Lower Upper

94 100

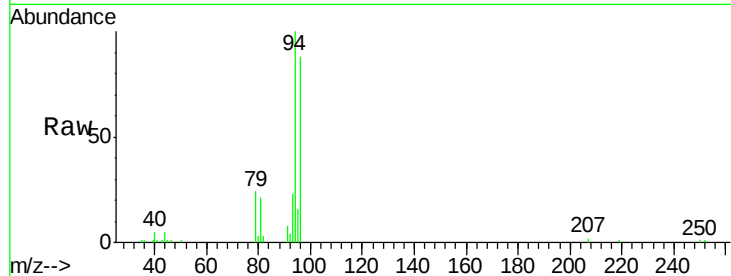
96 86.8 74.3 111.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

20000

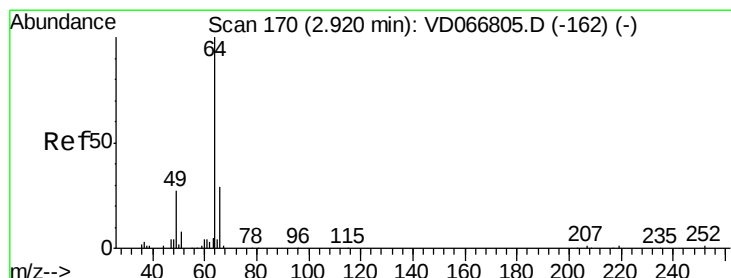
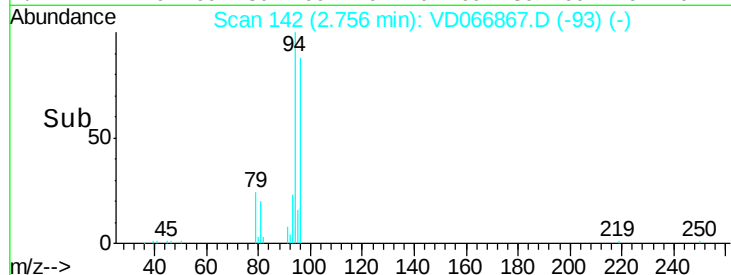
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.442 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066867.D

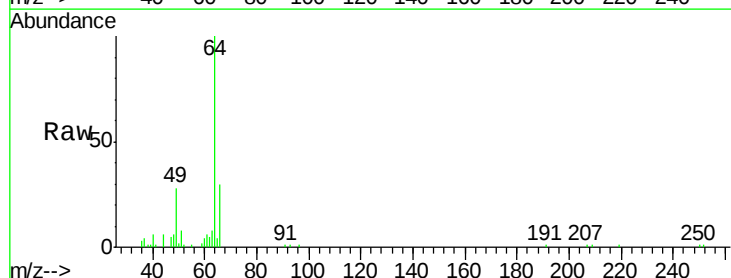
Acq: 25 Sep 2020 12:04

Tgt Ion: 64 Resp: 46669

Ion Ratio Lower Upper

64 100

66 29.8 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

25000

20000

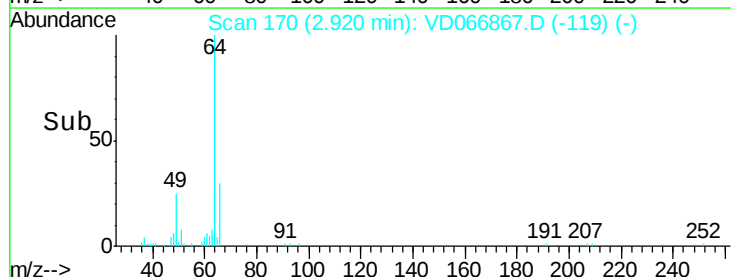
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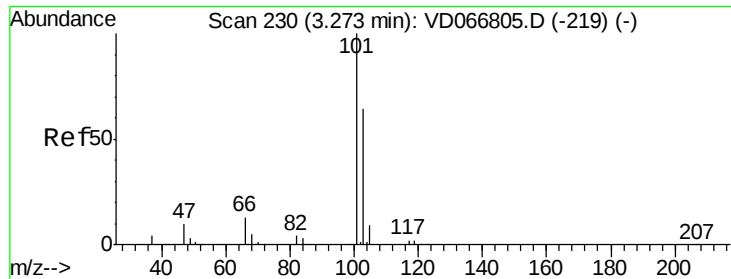
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5000

0

Time-->





#7

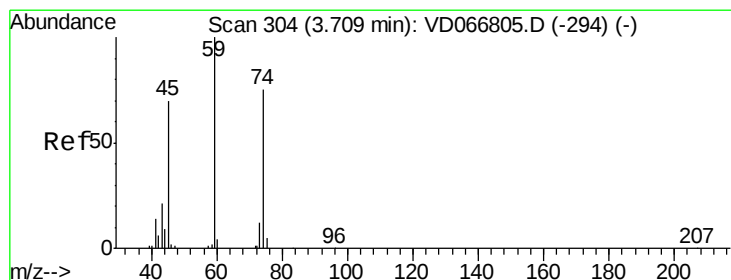
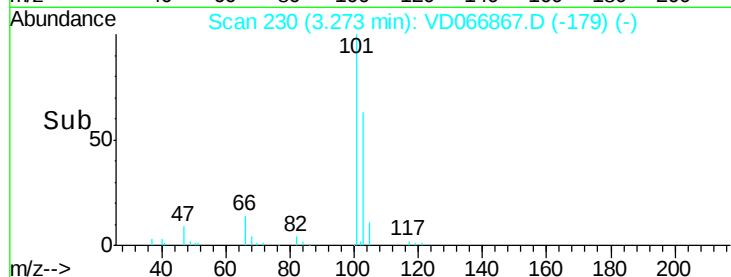
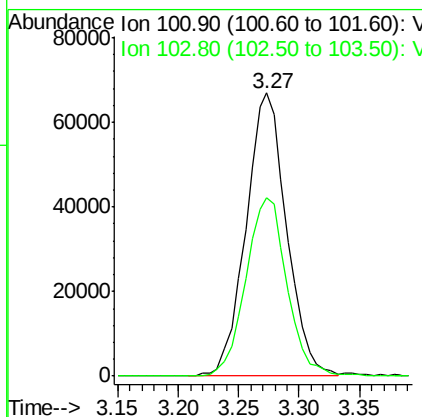
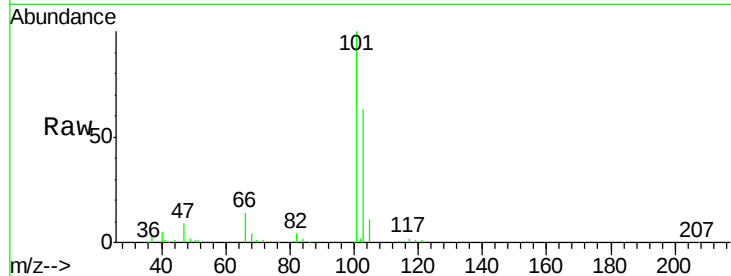
Trichlorofluoromethane
 Concen: 20.731 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Instrument :
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 VD0925SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		156527		
103	63.2	51.0	76.6		

Manual Integrations
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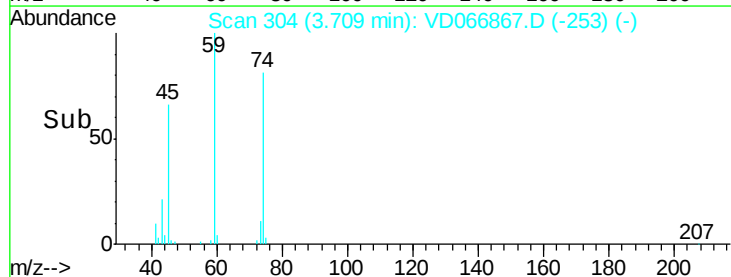
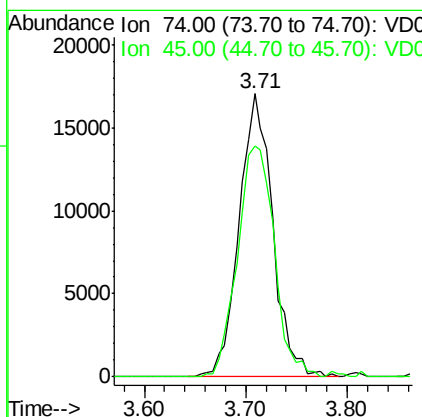
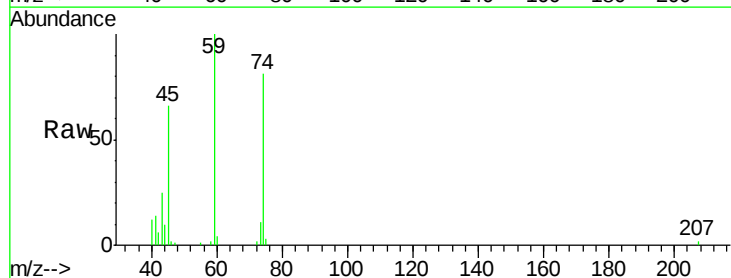
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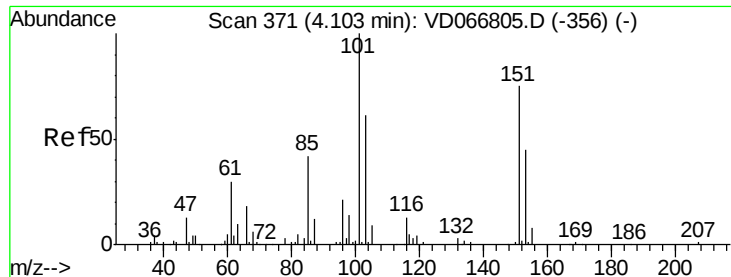


#8

Diethyl Ether
 Concen: 20.454 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		39206		
45	89.4	46.0	138.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.663 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

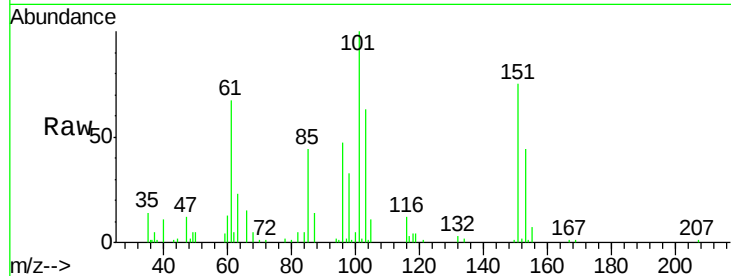
ClientSampleId :

VD0925SBS01

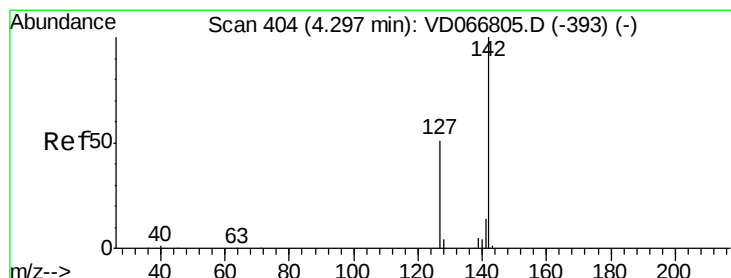
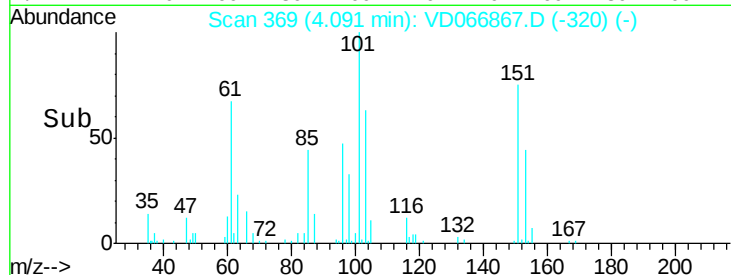
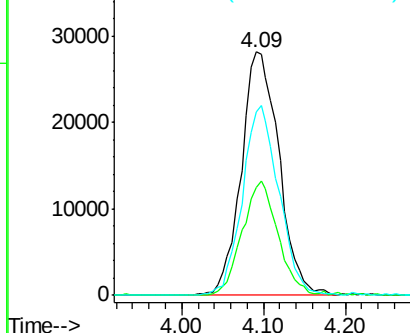
Tot Ion:	101	Resp:	90463
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.4	53.2
151	75.5	61.4	92.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.846 ug/l

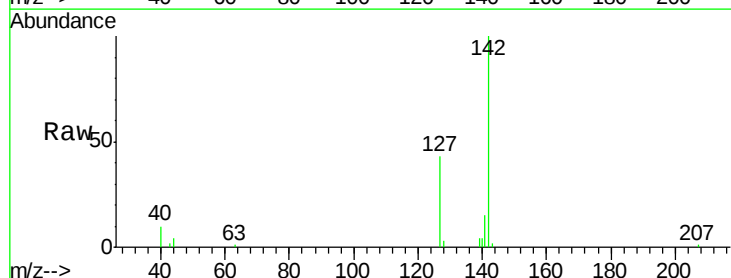
RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

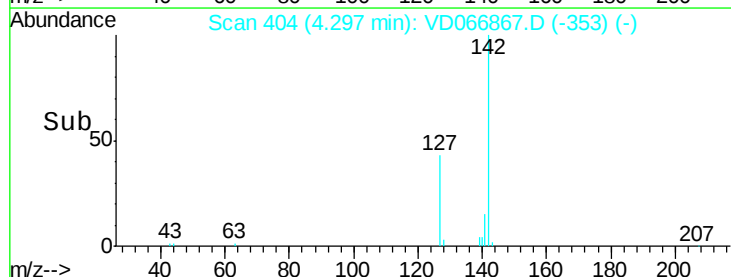
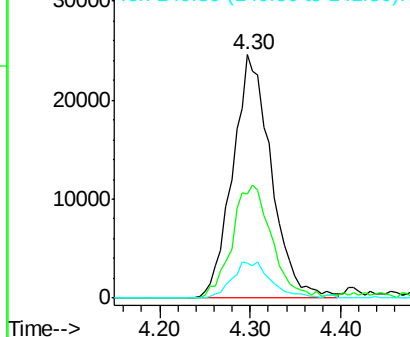
Lab File: VD066867.D

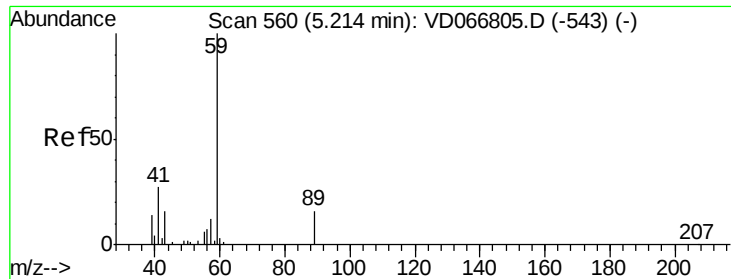
Acq: 25 Sep 2020 12:04

Tgt Ion:	142	Resp:	72810
Ion Ratio	Lower	Upper	
142	100		
127	47.9	39.4	59.0
141	15.0	12.1	18.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





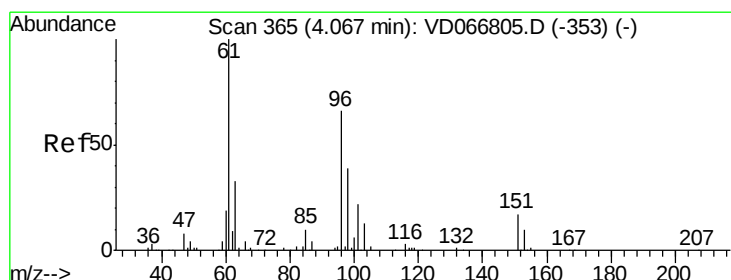
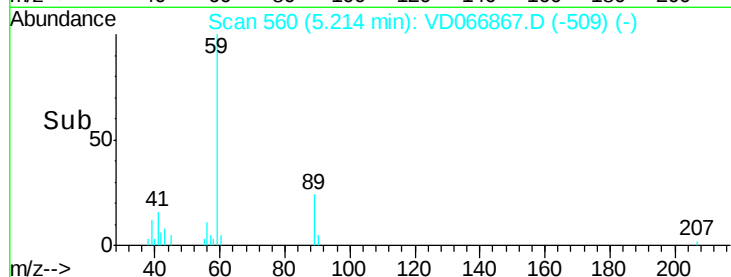
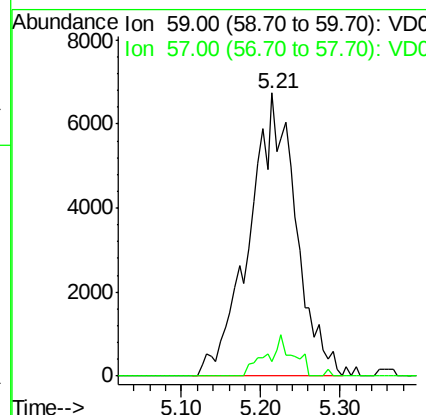
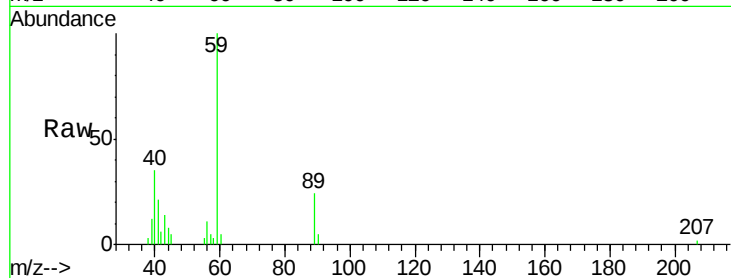
#11
Tert butyl alcohol
Concen: 82.778 ug/l
RT: 5.21 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.2	8.3	12.5#

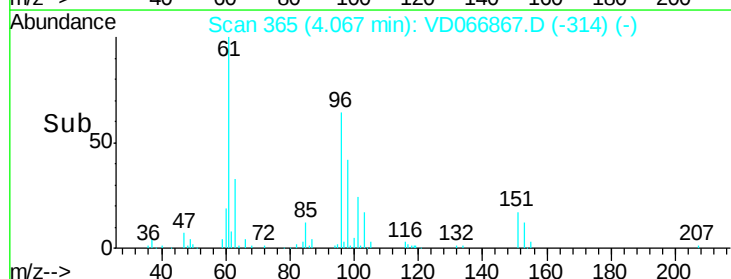
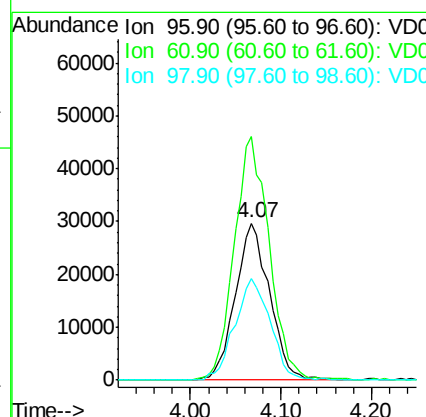
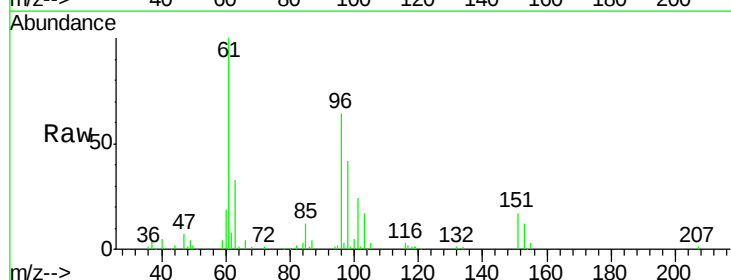
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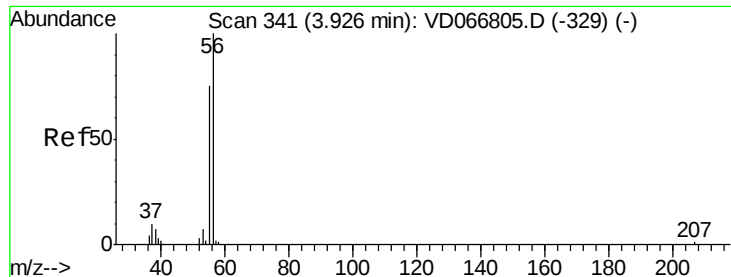
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#12
1,1-Dichloroethene
Concen: 19.670 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.7	120.8	181.2
98	64.5	47.7	71.5





#13

Acrolein

Concen: 96.587 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 56 Resp: 28245

Ion Ratio Lower Upper

56 100

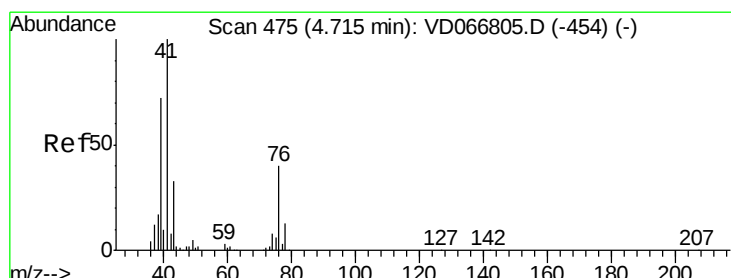
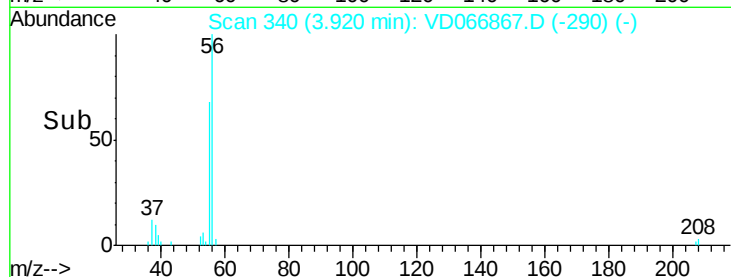
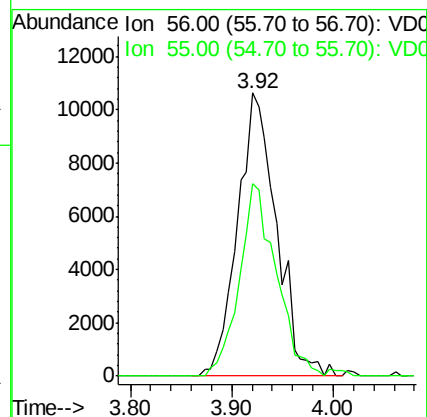
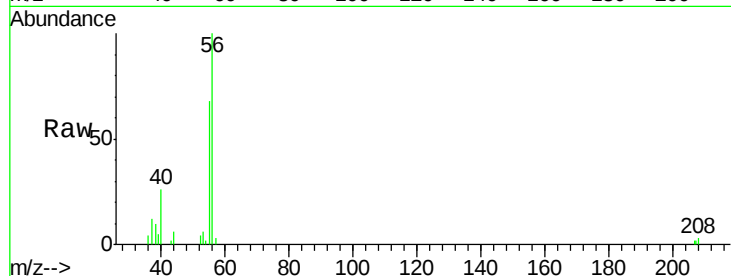
55 64.3 60.3 90.5

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#14

Allyl chloride

Concen: 19.432 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

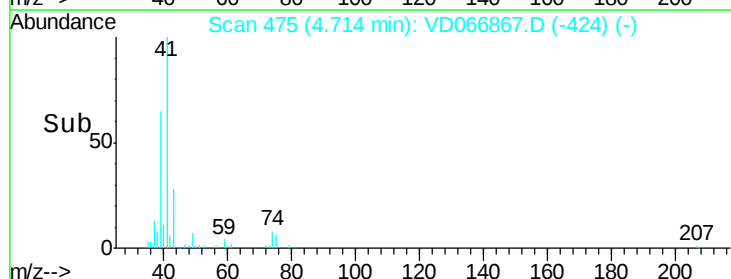
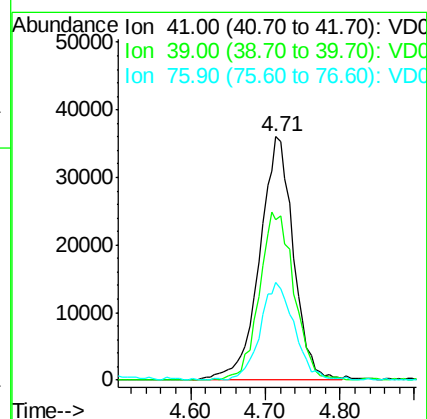
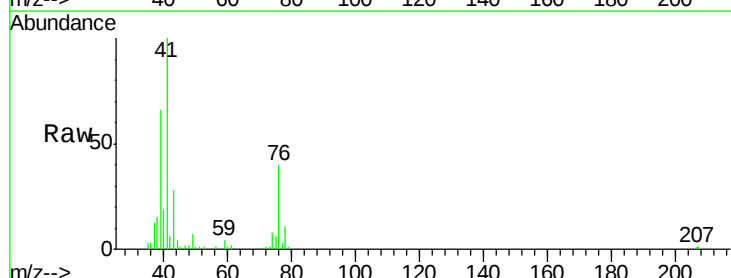
Tgt Ion: 41 Resp: 113167

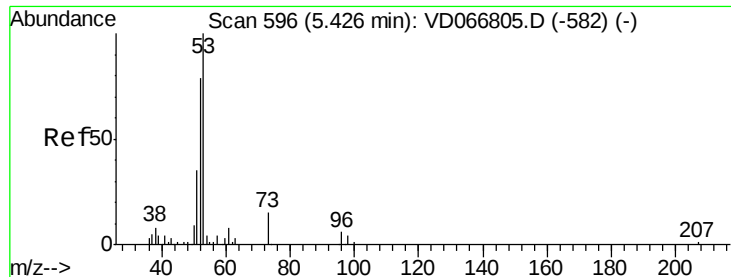
Ion Ratio Lower Upper

41 100

39 70.8 57.8 86.8

76 40.3 30.9 46.3





#15

Acrylonitrile

Concen: 99.001 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

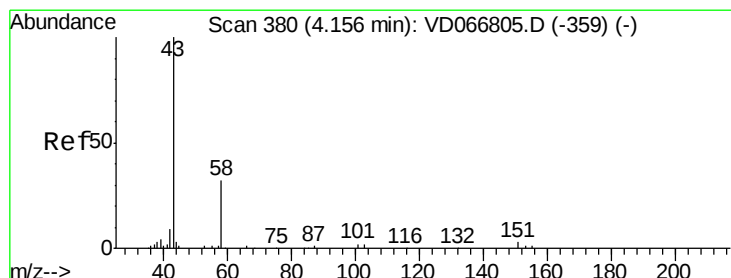
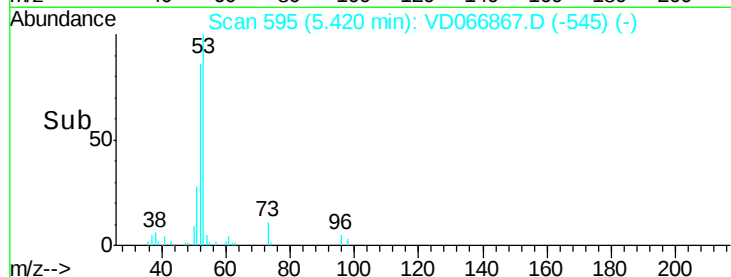
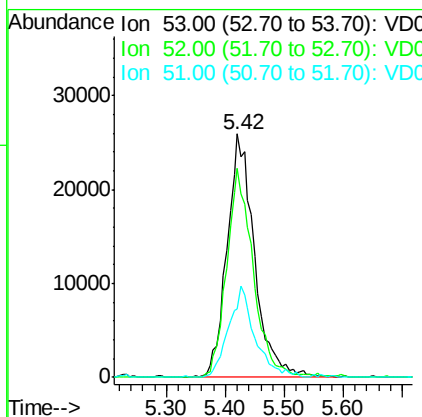
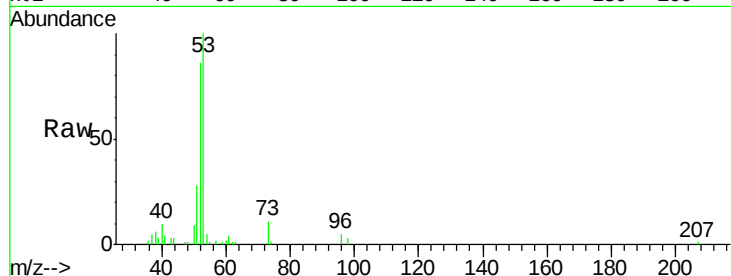
ClientSampleId :

VD0925SBS01

Tot Ion:	53	Resp:	84096
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.2	97.8
51	35.9	30.6	46.0

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#16

Acetone

Concen: 93.010 ug/l

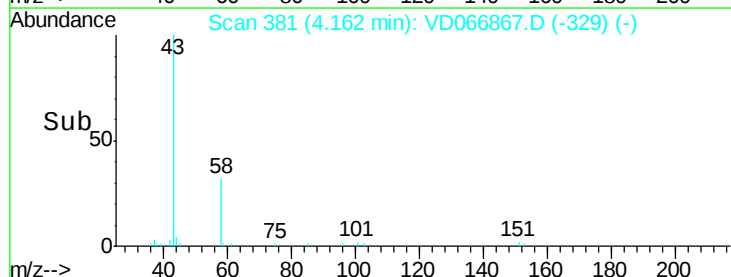
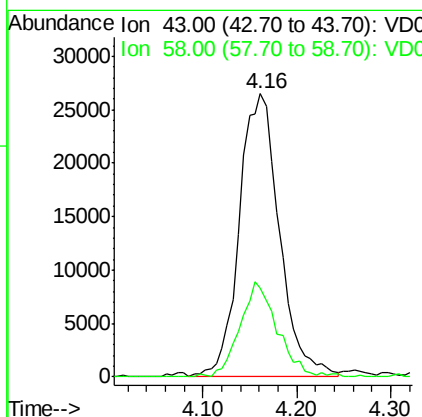
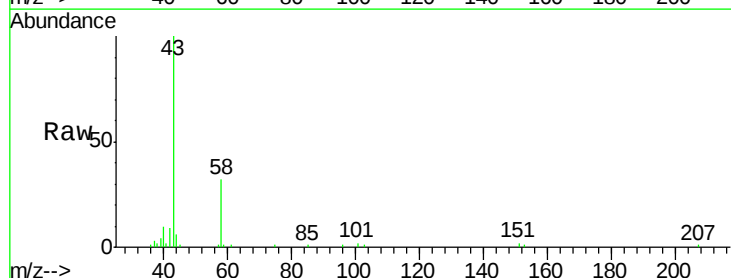
RT: 4.16 min Scan# 381

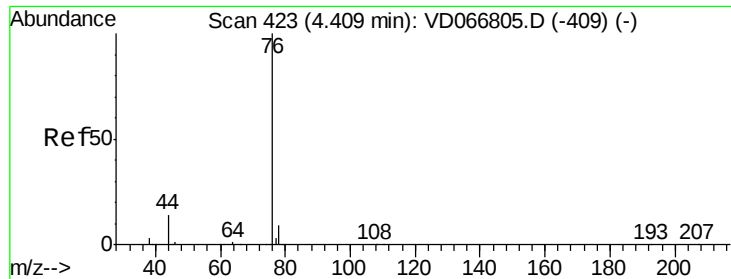
Delta R.T. 0.01 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Tgt Ion:	43	Resp:	78215
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.6	38.4





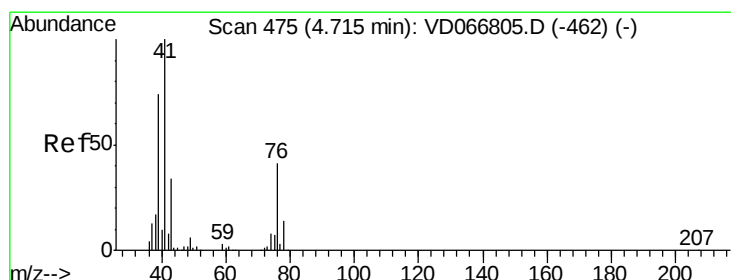
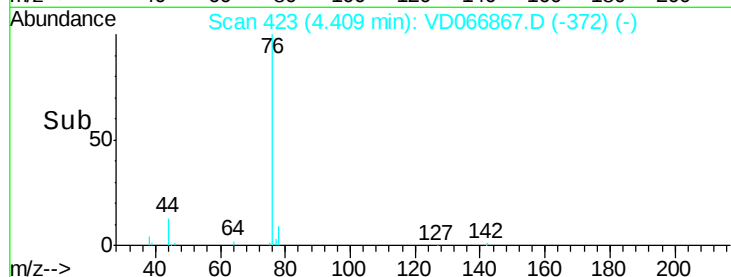
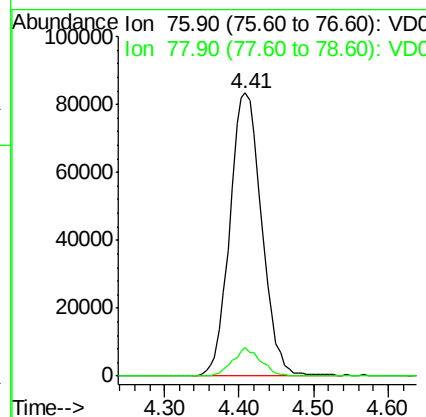
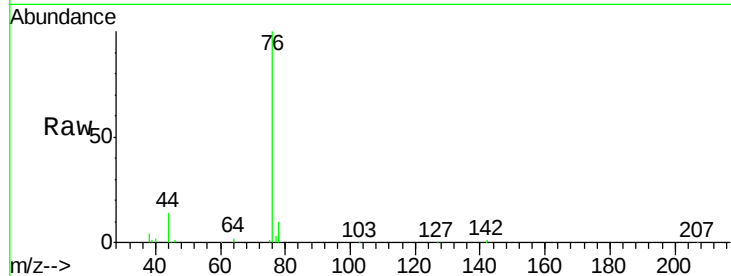
#17
Carbon Disulfide
Concen: 20.428 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion: 76 Resp: 247693
Ion Ratio Lower Upper
76 100
78 10.1 7.6 11.4

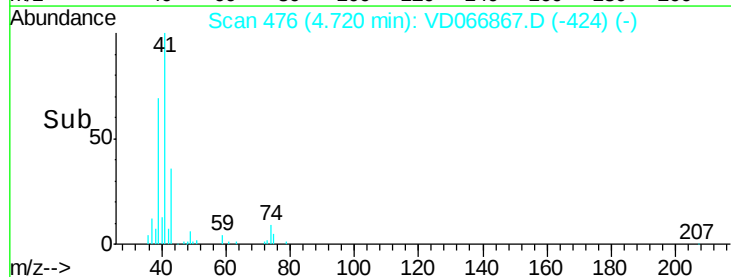
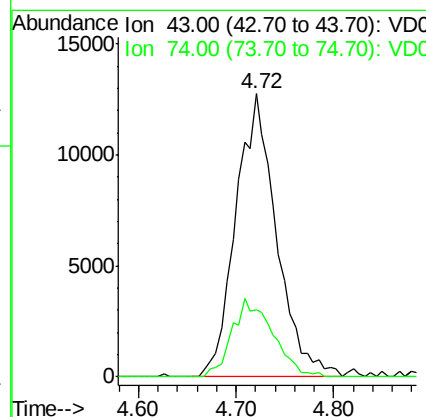
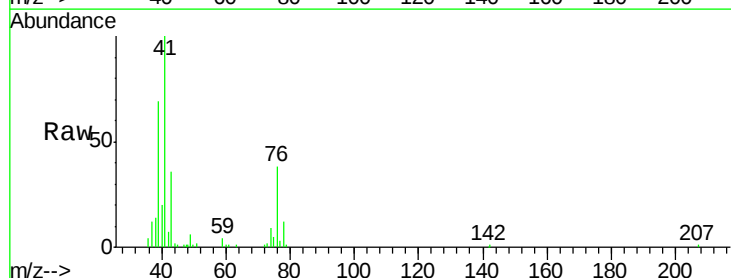
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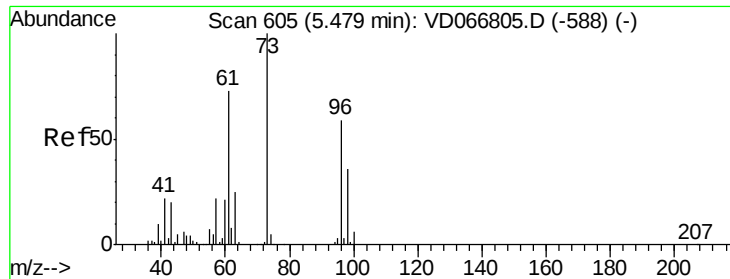
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#18
Methyl Acetate
Concen: 17.420 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion: 43 Resp: 37122
Ion Ratio Lower Upper
43 100
74 27.6 20.3 30.5





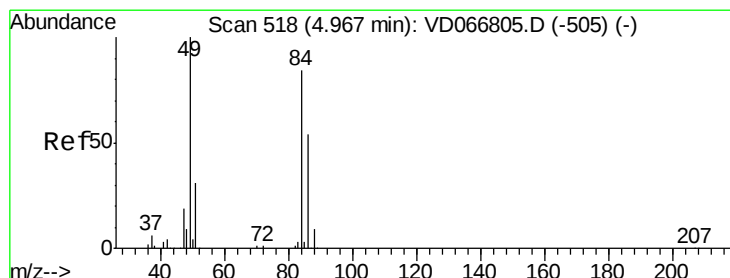
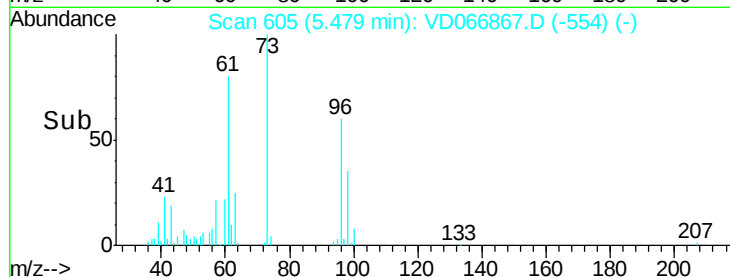
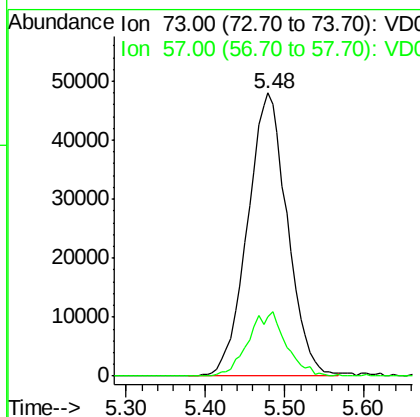
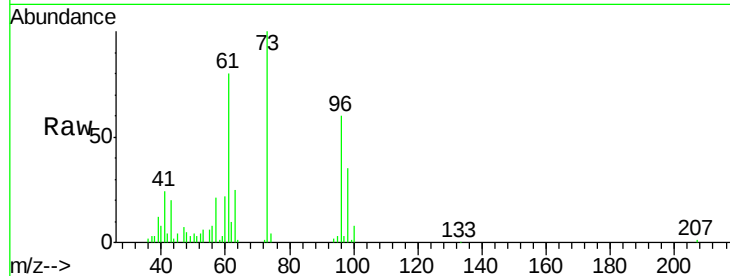
#19
Methyl tert-butyl Ether
Concen: 19.480 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion: 73 Resp: 167775
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.2

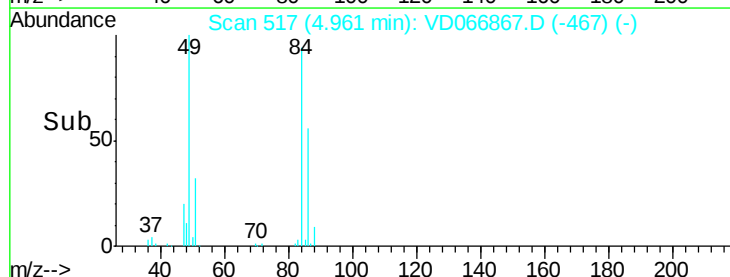
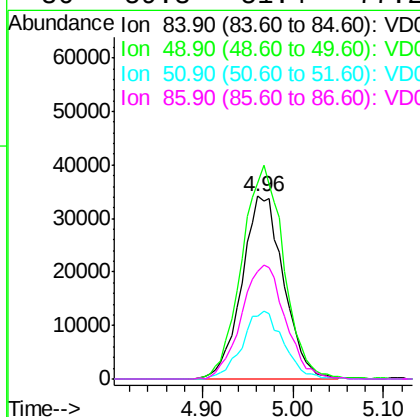
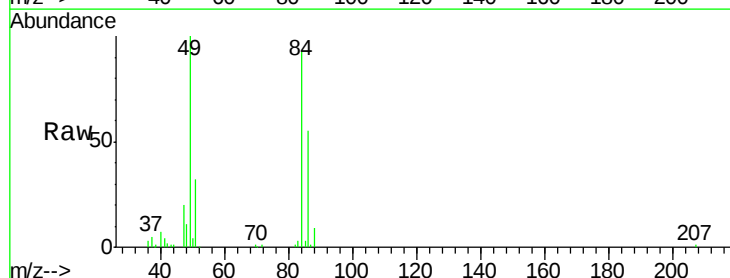
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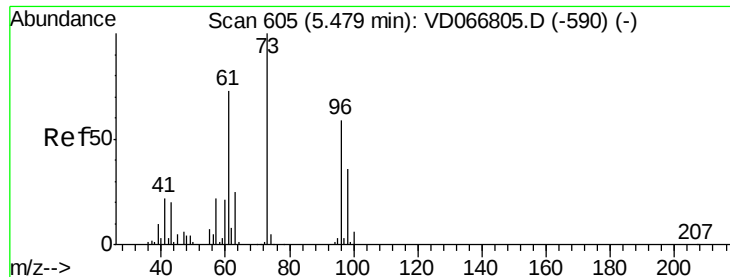
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#20
Methylene Chloride
Concen: 20.667 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion: 84 Resp: 109296
Ion Ratio Lower Upper
84 100
49 107.6 95.4 143.2
51 34.6 29.7 44.5
86 59.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.262 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

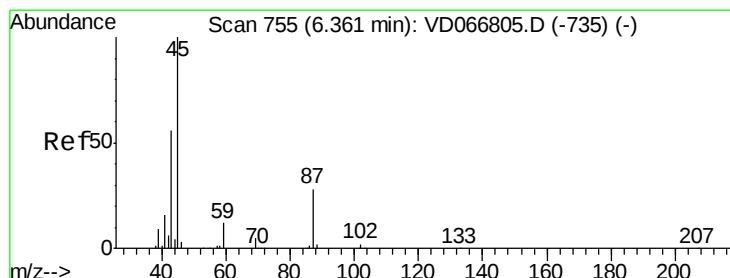
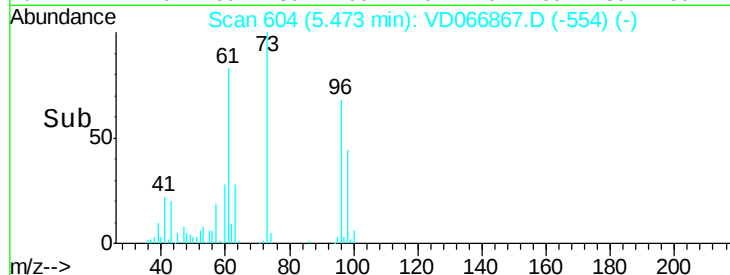
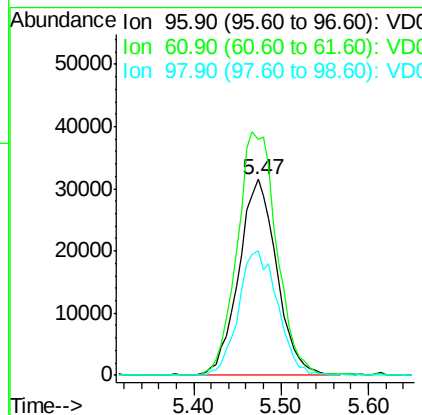
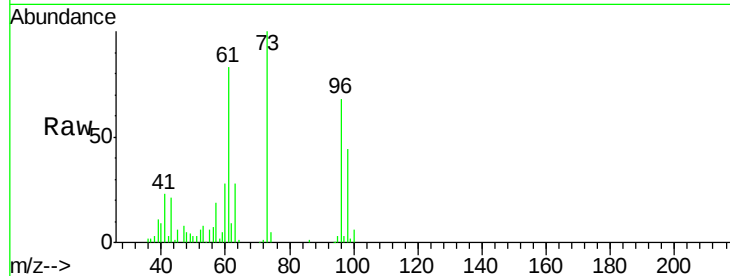
ClientSampleId :

VD0925SBS01

Tot Ion:	96	Resp:	93049
Ion	Ratio	Lower	Upper
96	100		
61	120.5	98.9	148.3
98	63.8	48.4	72.6

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#22

Diisopropyl ether

Concen: 19.916 ug/l

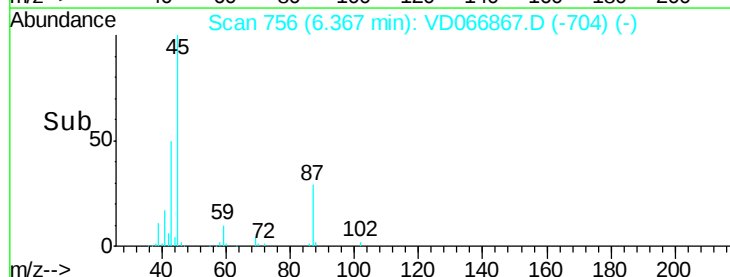
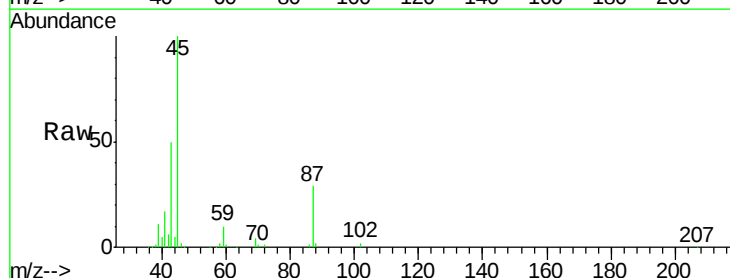
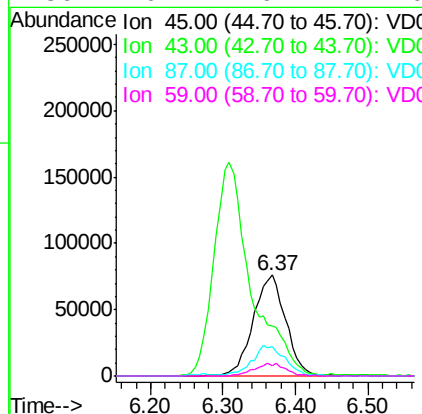
RT: 6.37 min Scan# 756

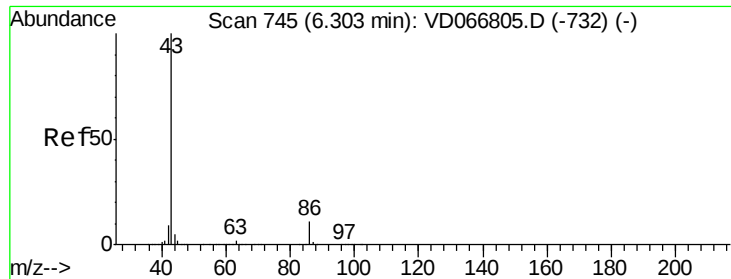
Delta R.T. 0.01 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Tgt Ion:	45	Resp:	238477
Ion	Ratio	Lower	Upper
45	100		
43	49.0	44.5	66.7
87	29.0	22.9	34.3
59	10.2	9.4	14.0





#23

Vinyl Acetate

Concen: 90.659 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 43 Resp: 578193

Ion Ratio Lower Upper

43 100

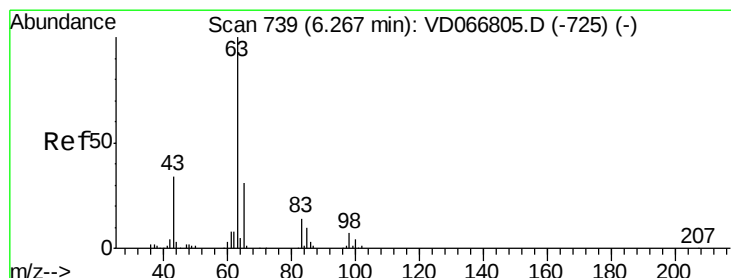
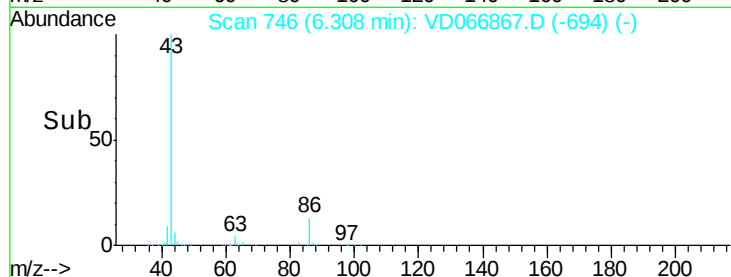
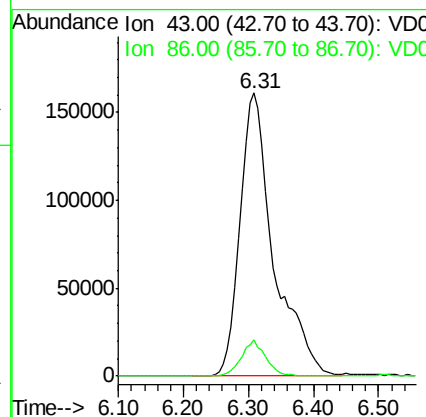
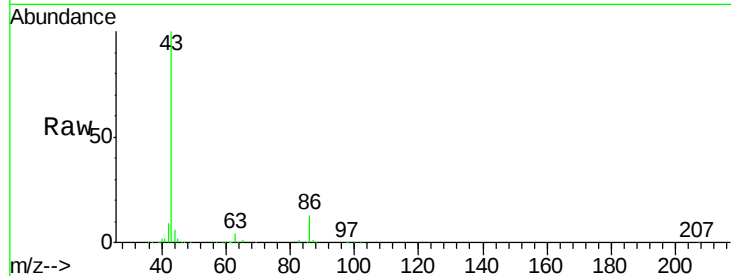
86 12.7 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 19.632 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

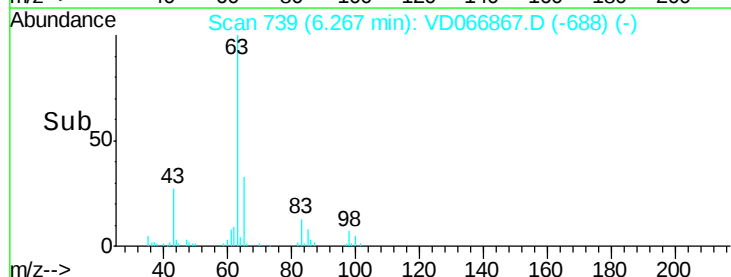
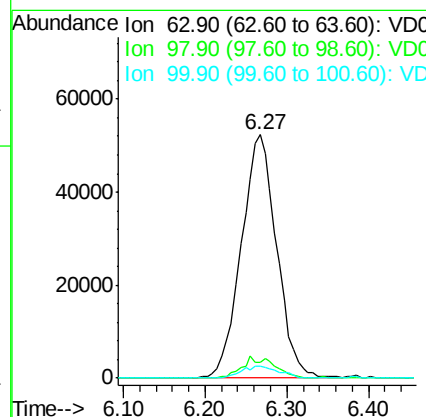
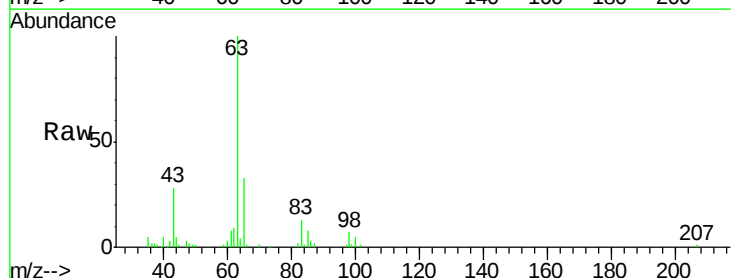
Tgt Ion: 63 Resp: 157263

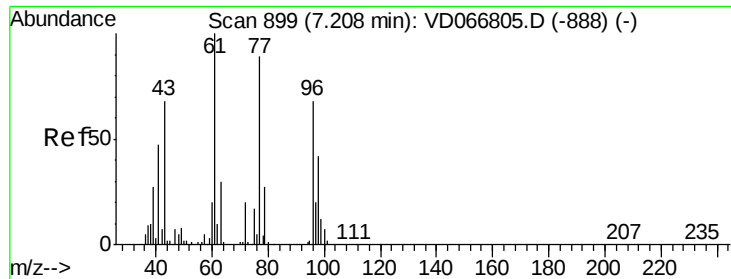
Ion Ratio Lower Upper

63 100

98 6.7 3.7 11.1

100 4.7 1.8 5.5





#25

2-Butanone

Concen: 95.969 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

Tot Ion: 43 Resp: 96983

Ion Ratio Lower Upper

43 100

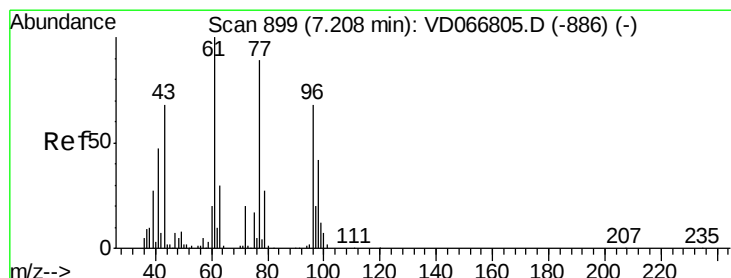
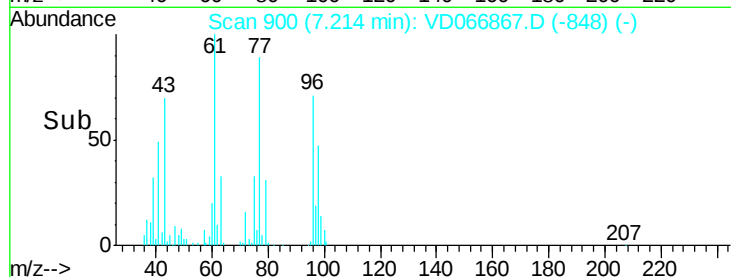
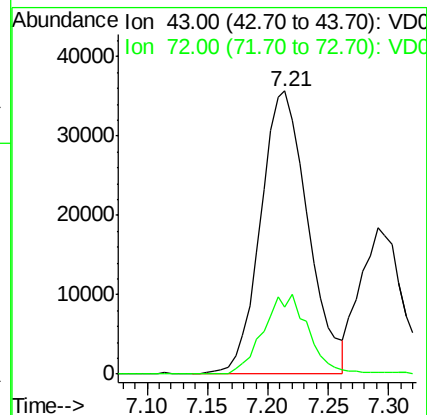
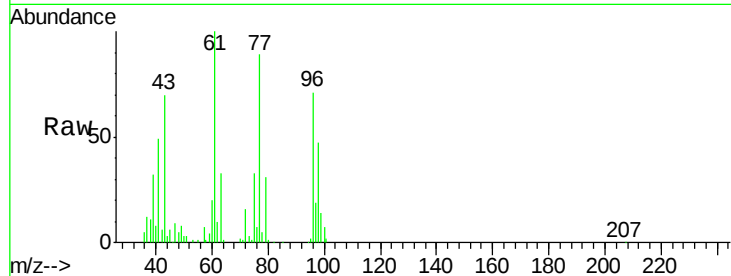
72 23.5 22.9 34.3

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#26

2,2-Dichloropropane

Concen: 19.944 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066867.D

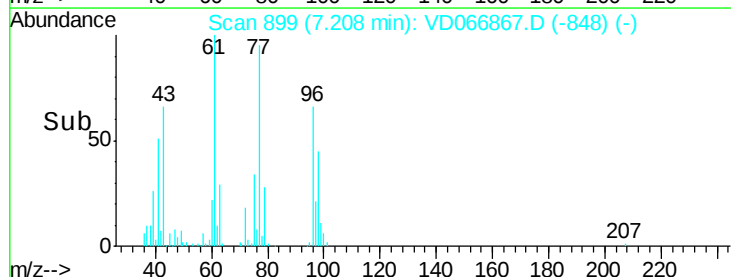
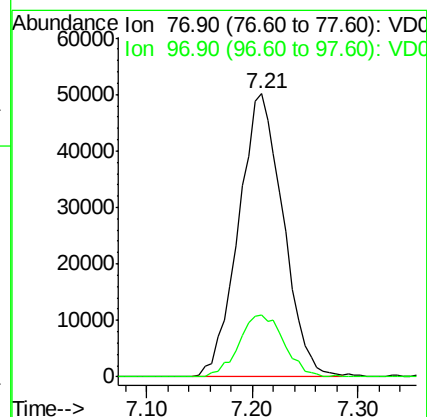
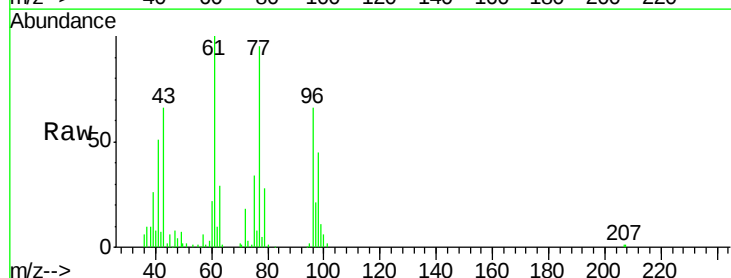
Acq: 25 Sep 2020 12:04

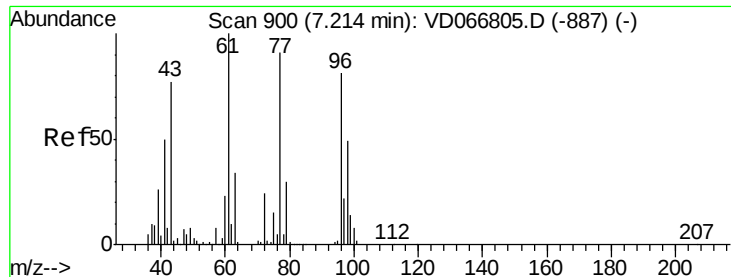
Tgt Ion: 77 Resp: 146434

Ion Ratio Lower Upper

77 100

97 21.9 11.7 35.1





#27

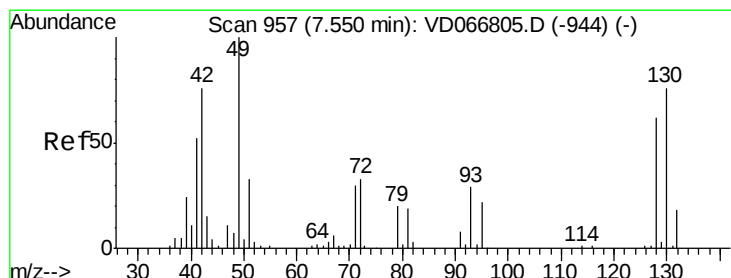
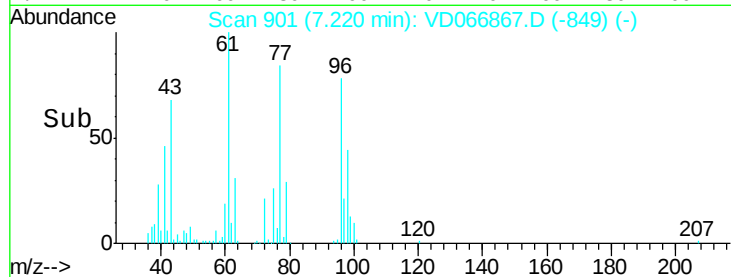
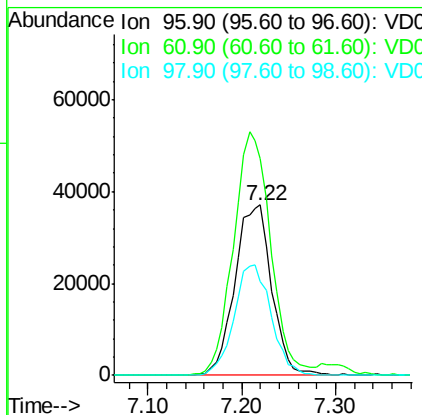
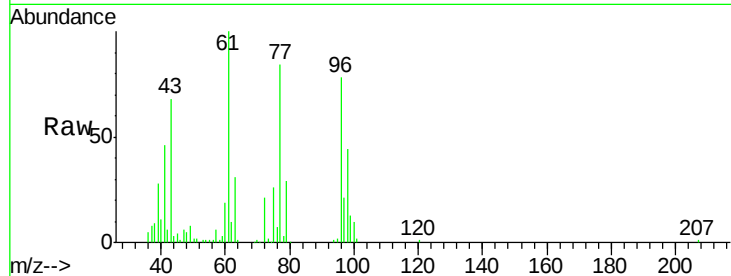
cis-1,2-Dichloroethene
Concen: 20.144 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampled :
VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	100510		
61	144.7		0.0	283.8
98	65.2		0.0	128.4

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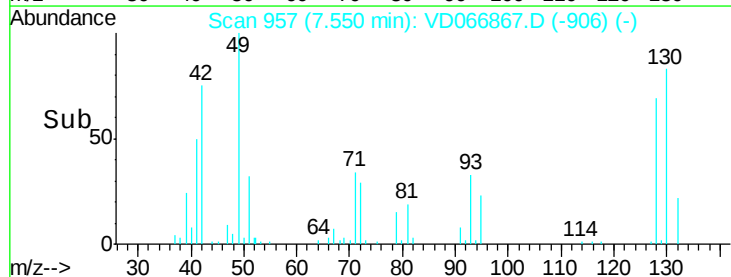
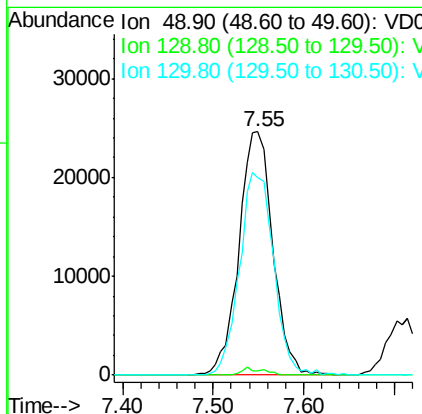
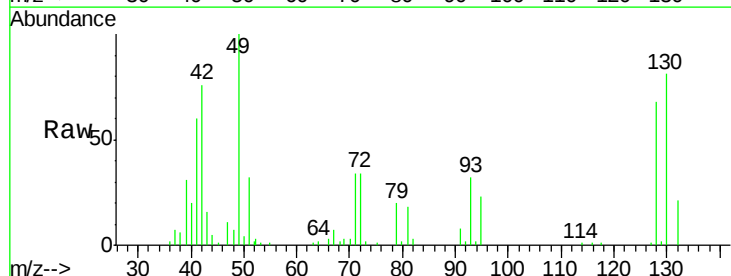
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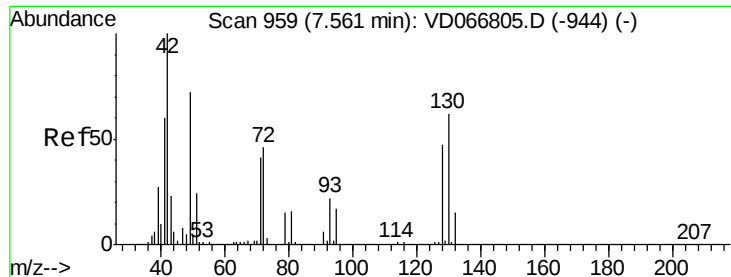


#28

Bromochloromethane
Concen: 19.312 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	63910		
129	2.0		0.0	2.0
130	84.1		65.9	98.9





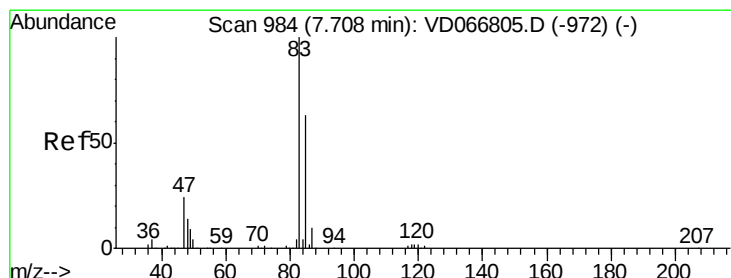
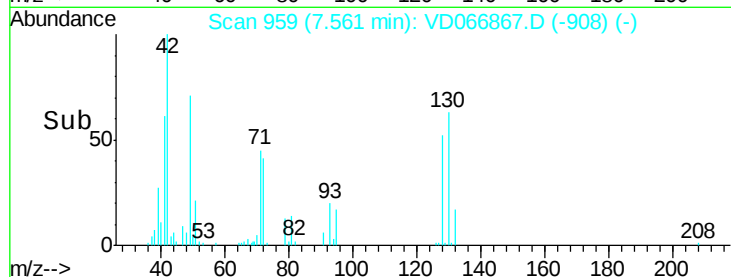
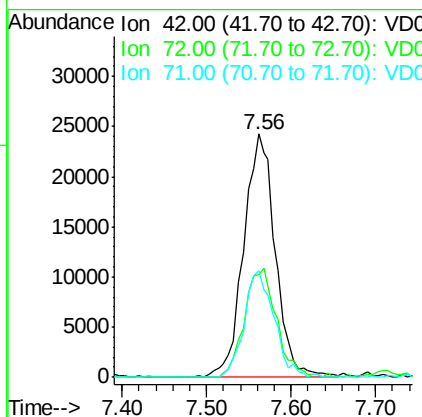
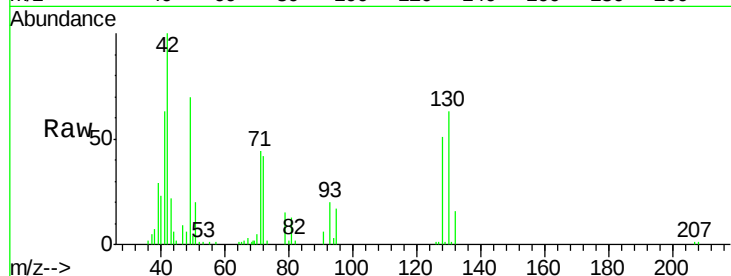
#29
Tetrahydrofuran
Concen: 97.539 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.2	54.4
71	41.1	32.4	48.6

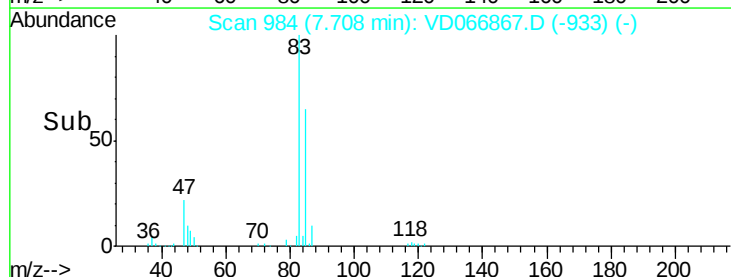
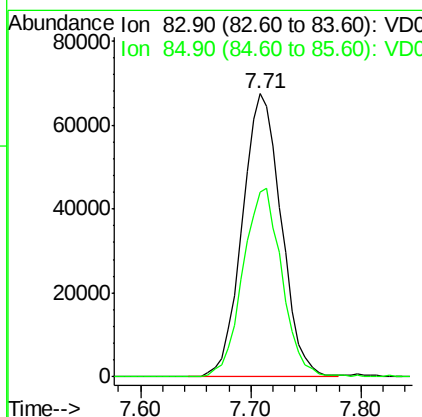
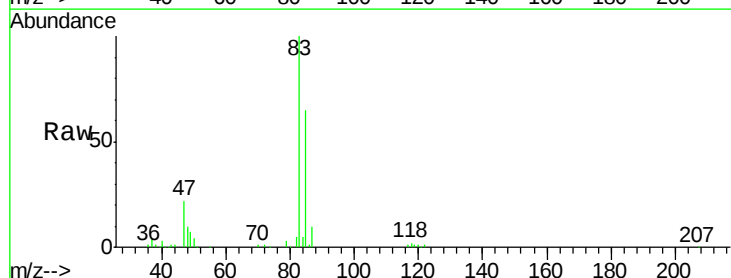
Manual Integrations
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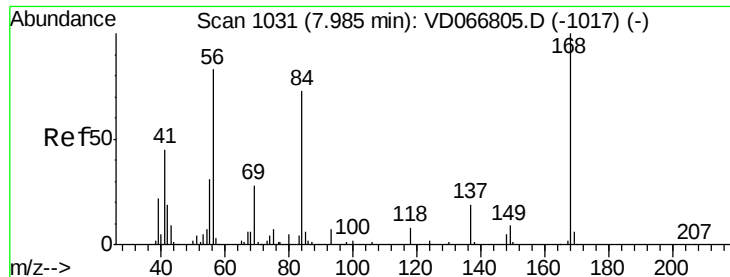
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#30
Chloroform
Concen: 19.311 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.6	75.8





#31

Cyclohexane

Concen: 19.577 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

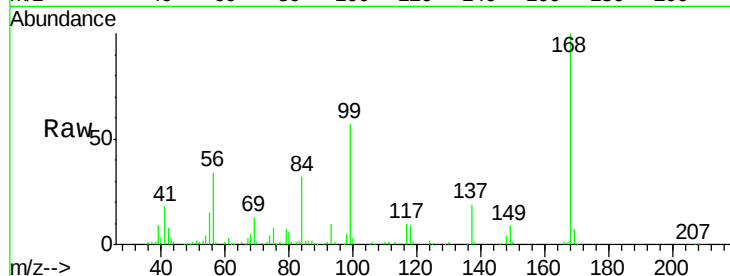
ClientSampleId :

VD0925SBS01

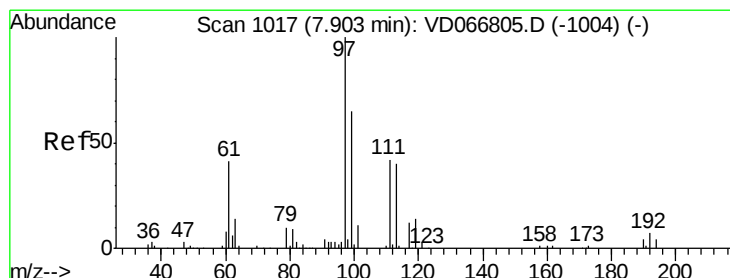
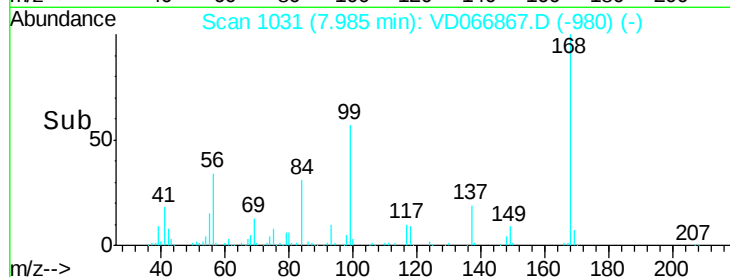
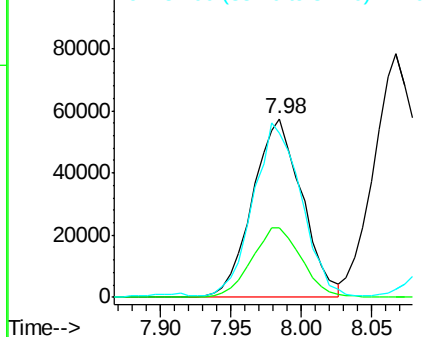
Tot Ion:	56	Resp:	141108
Ion Ratio	Lower	Upper	
56	100		
69	38.8	27.0	40.4
84	91.0	70.2	105.4

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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.150 ug/l

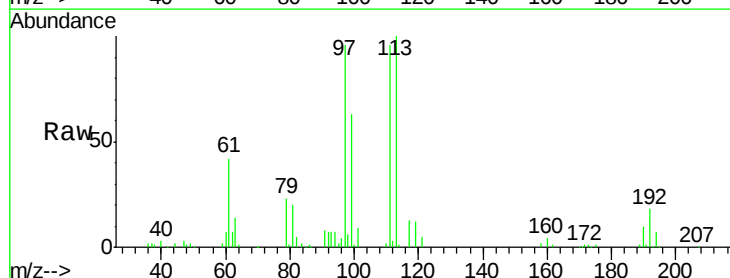
RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

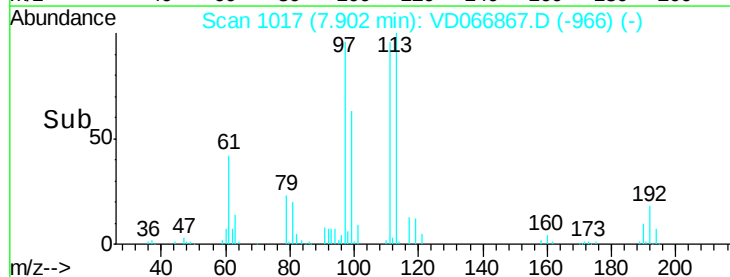
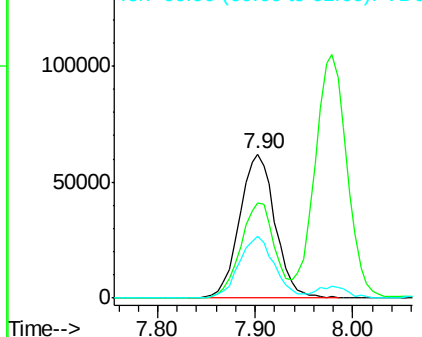
Lab File: VD066867.D

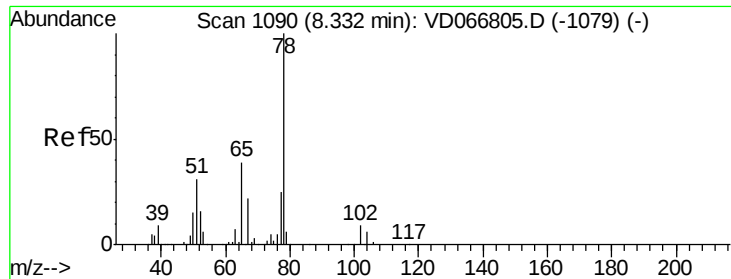
Acq: 25 Sep 2020 12:04

Tgt Ion:	97	Resp:	157394
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.5	77.3
61	43.0	34.2	51.4



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.614 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 65 Resp: 192710

Ion Ratio Lower Upper

65 100

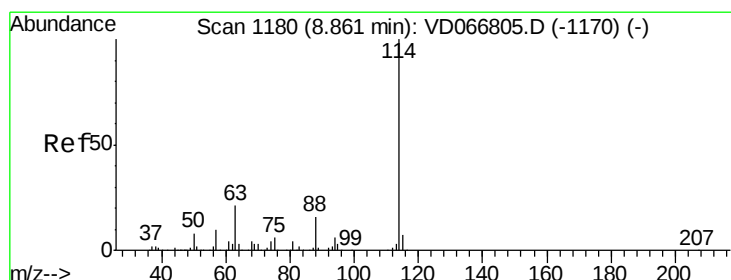
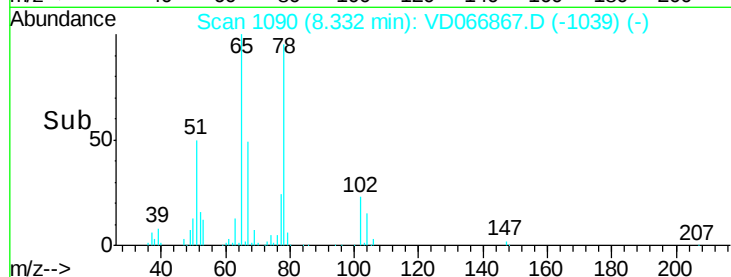
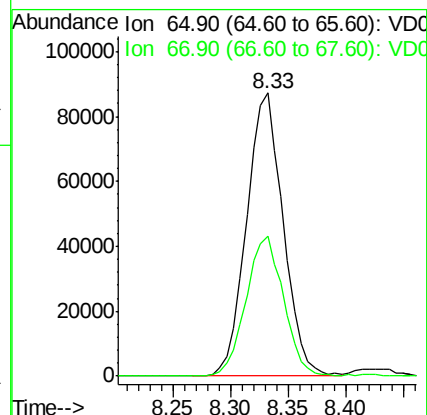
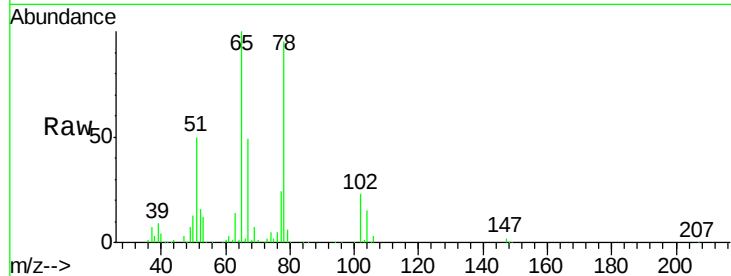
67 50.7 0.0 107.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

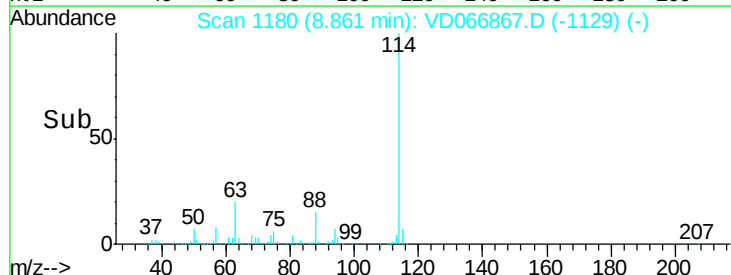
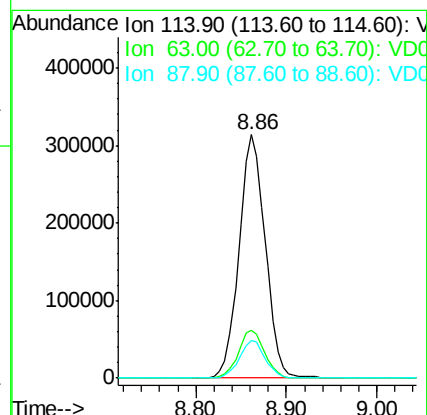
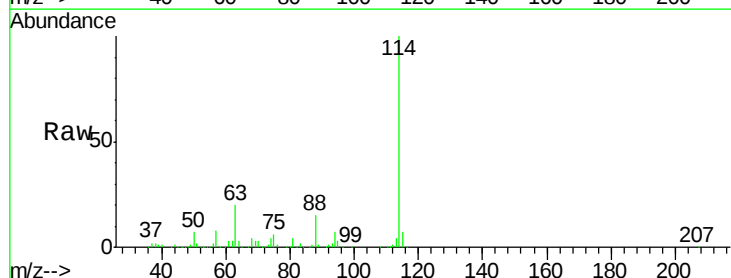
Tgt Ion: 114 Resp: 631670

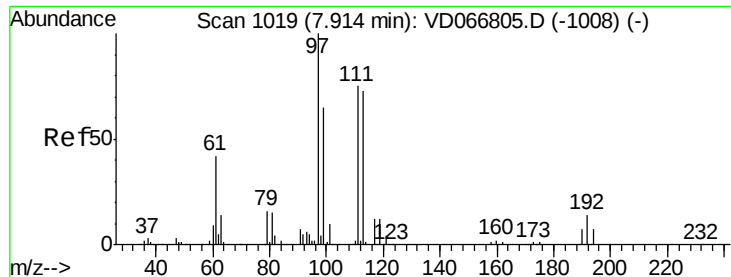
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 15.3 0.0 32.6





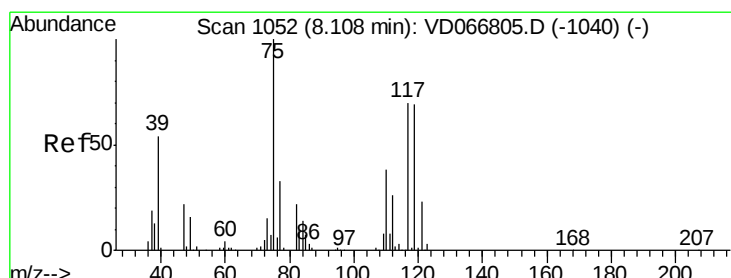
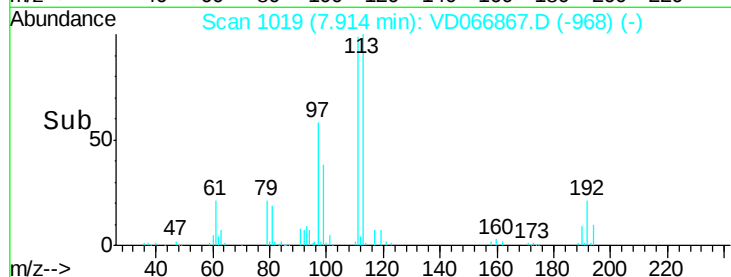
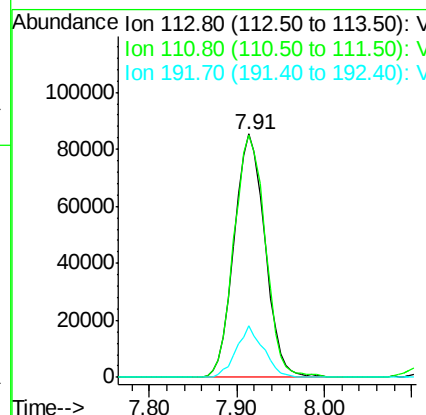
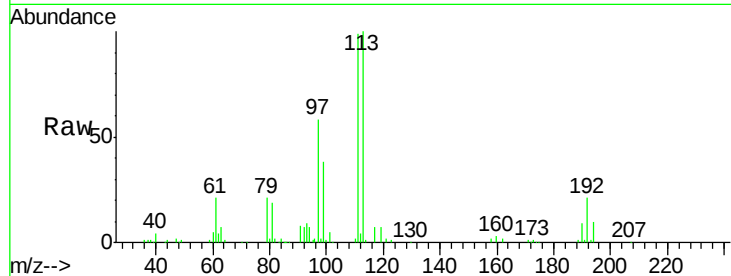
#35
 Dibromofluoromethane
 Concen: 51.027 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205063		
111	101.0		81.8	122.8
192	18.5		14.4	21.6

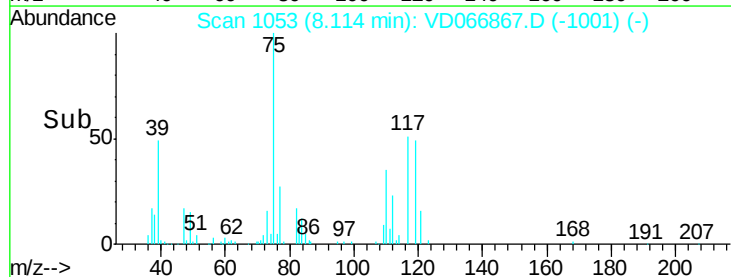
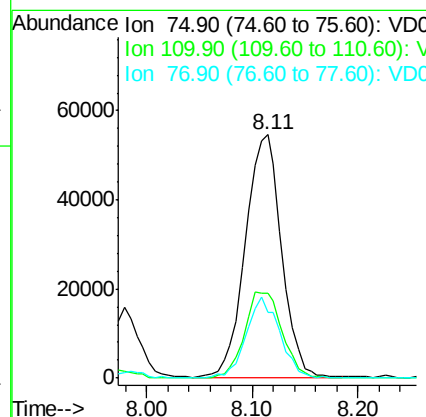
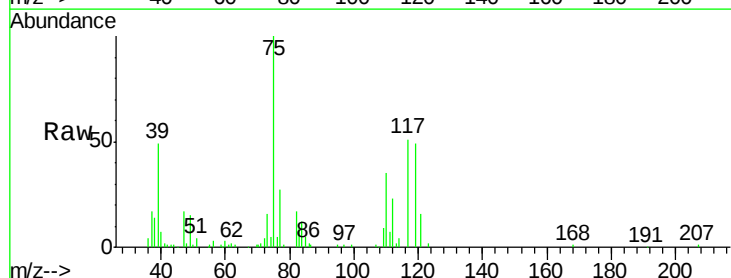
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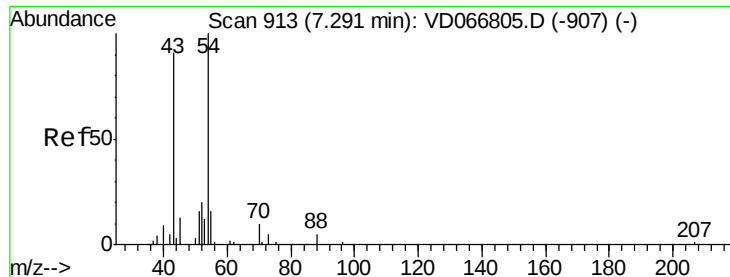
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#36
 1,1-Dichloropropene
 Concen: 20.592 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129045		
110	36.9		17.9	53.8
77	31.4		25.0	37.6





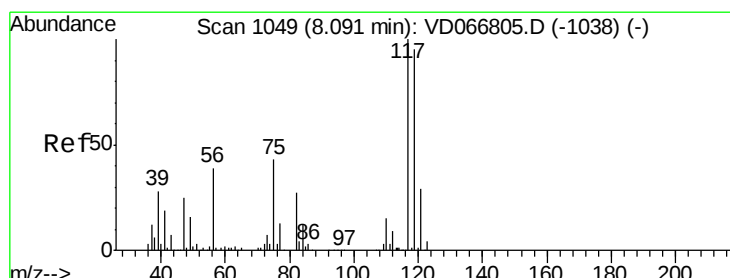
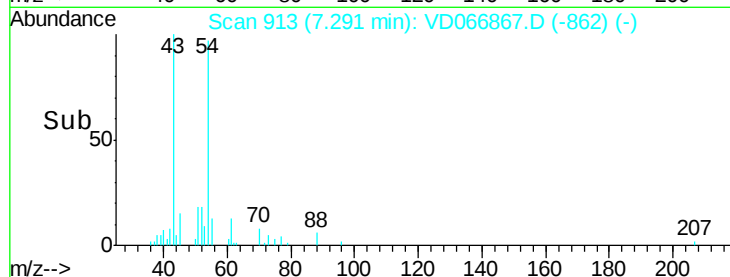
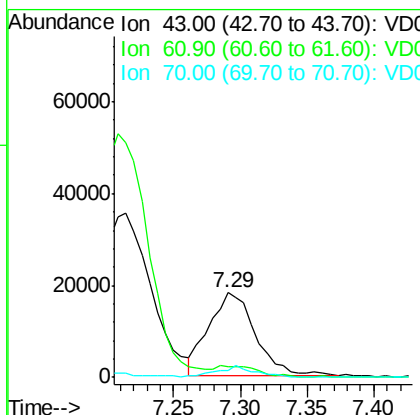
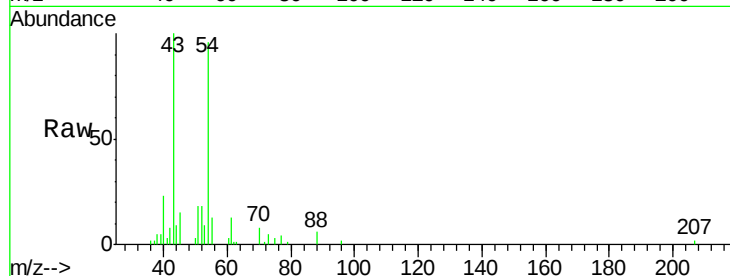
#37
Ethyl Acetate
Concen: 19.552 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.8	14.8
70	11.7	8.5	12.7

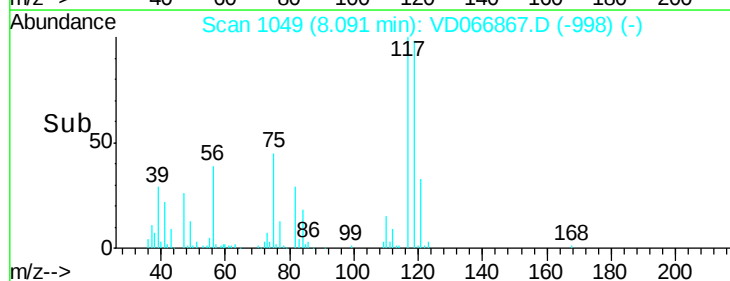
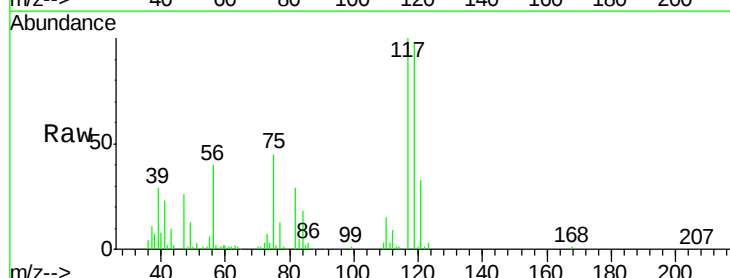
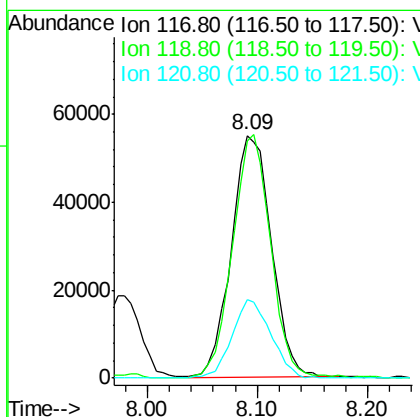
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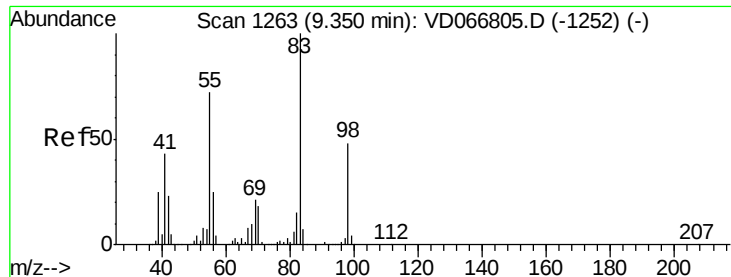
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#38
Carbon Tetrachloride
Concen: 20.448 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.8	113.8
121	32.7	23.4	35.0





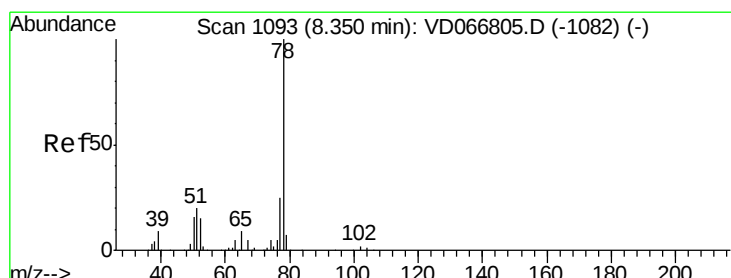
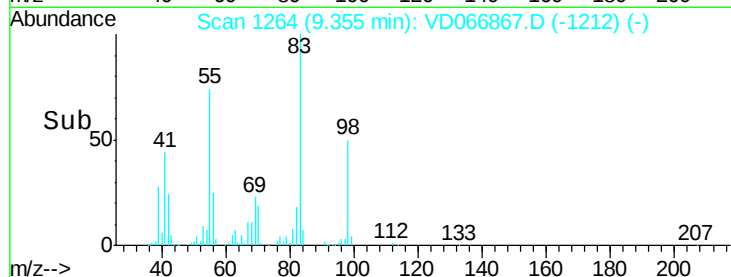
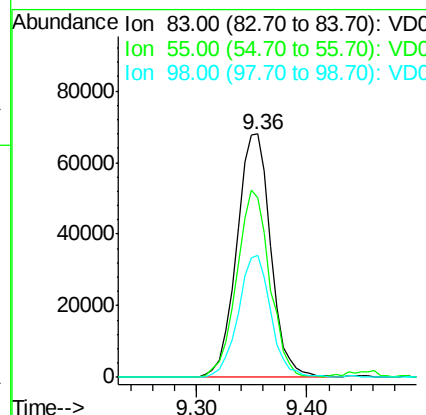
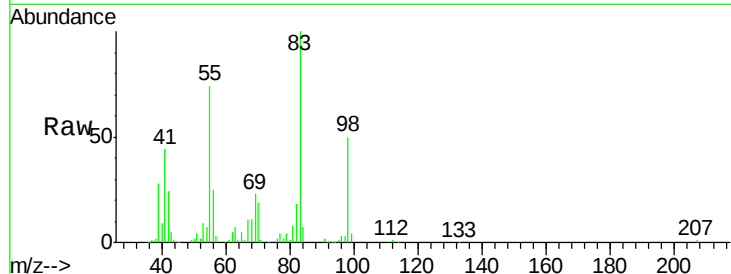
#39
Methylvlcyclohexane
Concen: 20.440 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	147069		
55	73.7		57.7	86.5
98	50.3		38.4	57.6

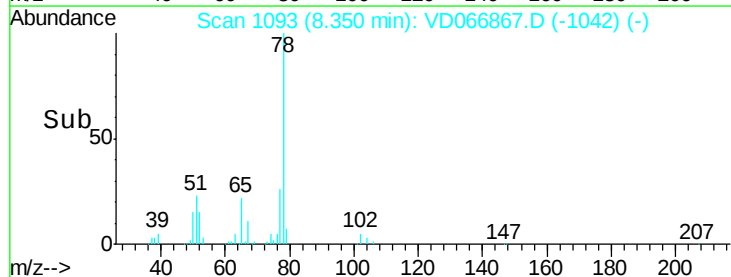
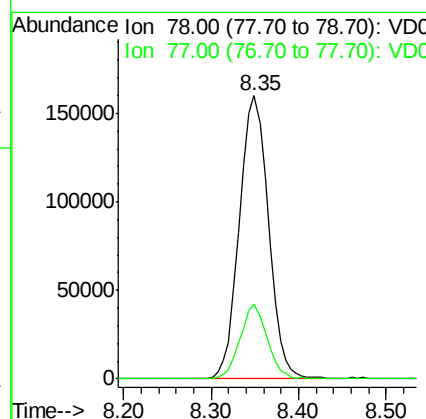
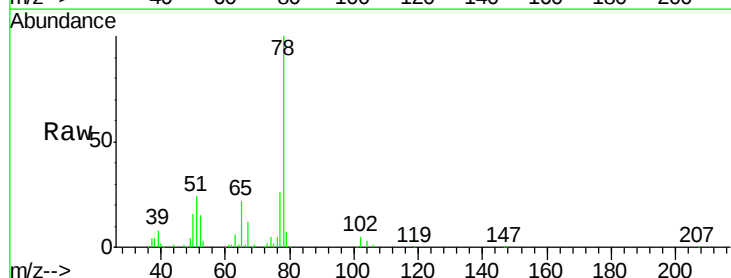
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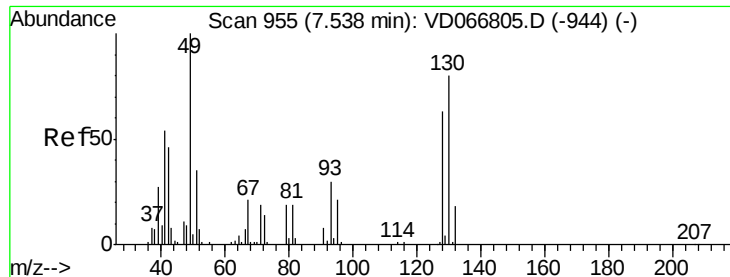
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#40
Benzene
Concen: 20.666 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	360929		
77	26.3		19.9	29.9





#41

Methacrylonitrile

Concen: 15.975 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.02 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 41 Resp: 22256

Ion Ratio Lower Upper

41 100

39 56.8 0.0 0.0#

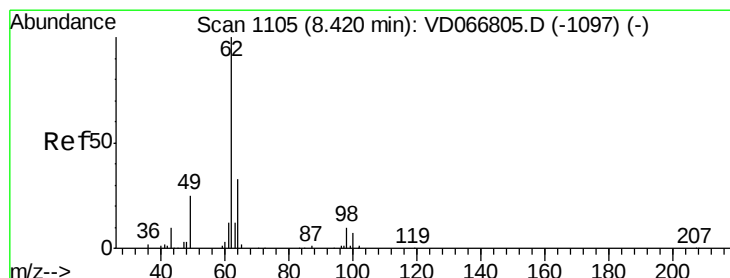
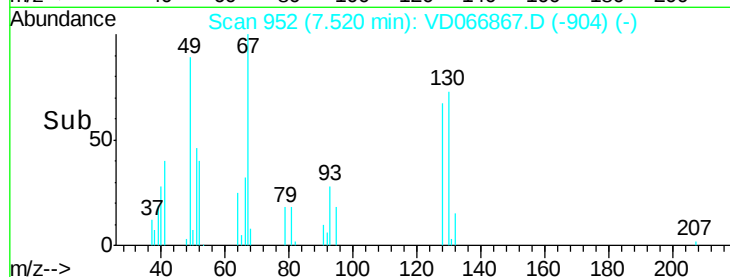
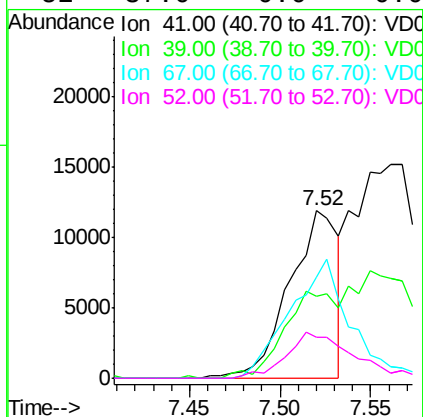
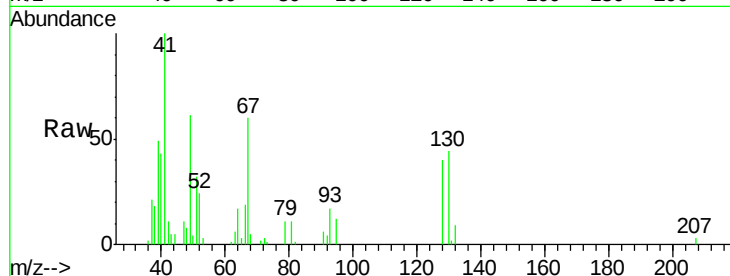
67 88.9 0.0 0.0#

52 37.0 0.0 0.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.140 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VD066867.D

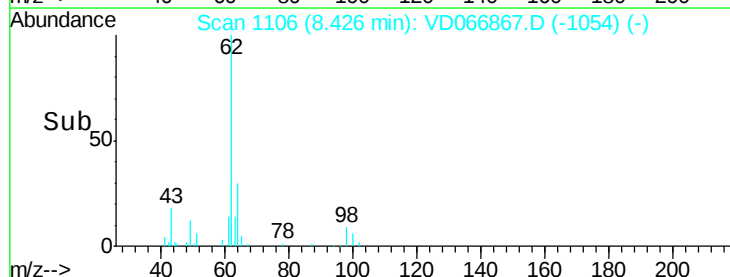
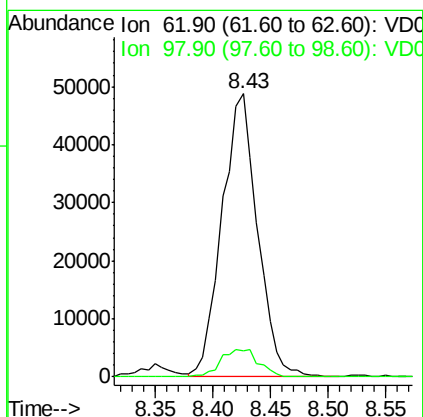
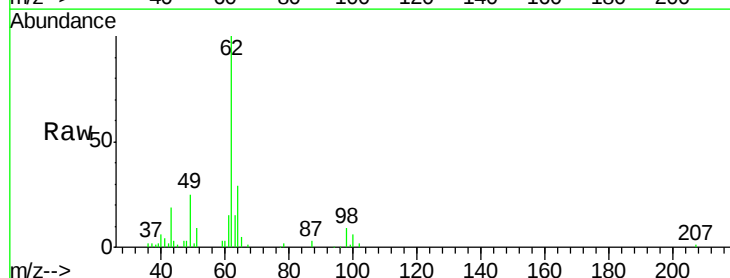
Acq: 25 Sep 2020 12:04

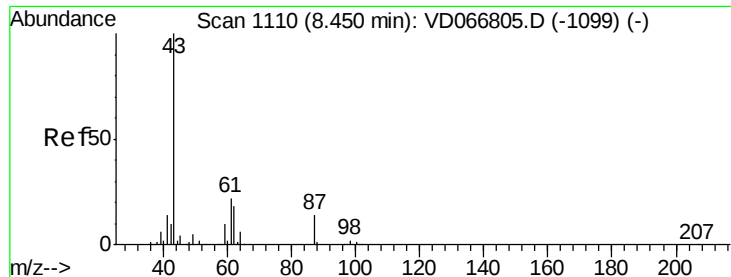
Tgt Ion: 62 Resp: 103984

Ion Ratio Lower Upper

62 100

98 10.4 0.0 19.8





#43

Isopropyl Acetate

Concen: 19.421 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

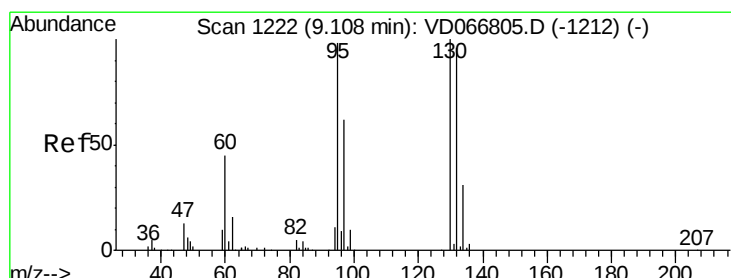
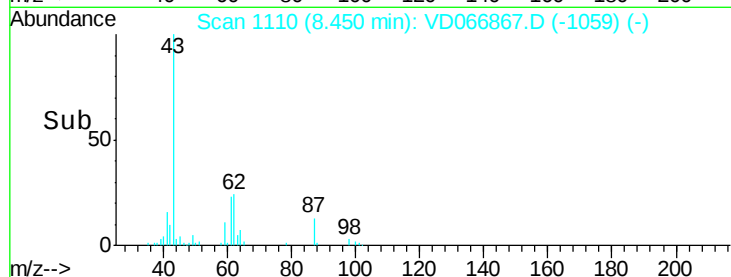
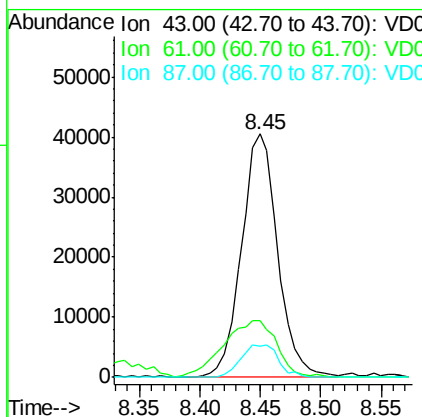
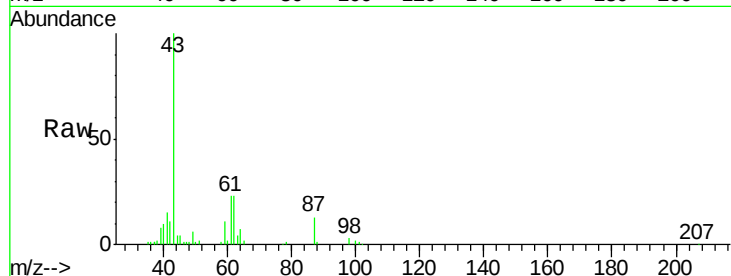
ClientSampleId :

VD0925SBS01

Tot Ion:	43	Resp:	84826
Ion	Ratio	Lower	Upper
43	100		
61	34.5	26.2	39.4
87	13.9	11.5	17.3

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#44

Trichloroethene

Concen: 20.775 ug/l

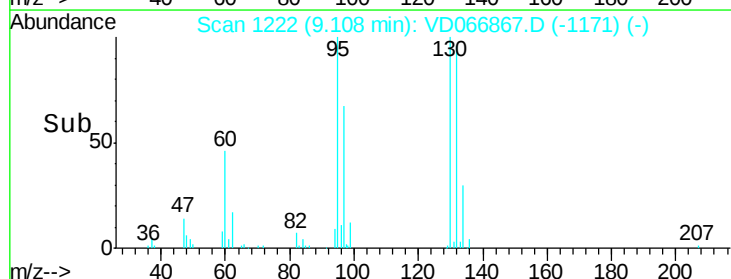
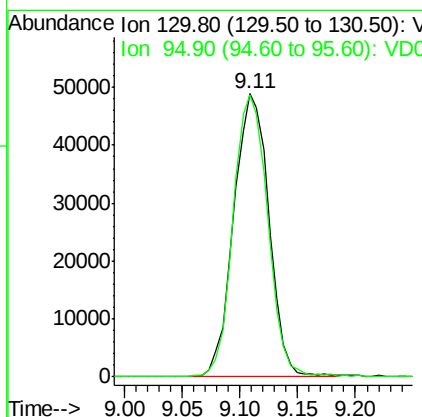
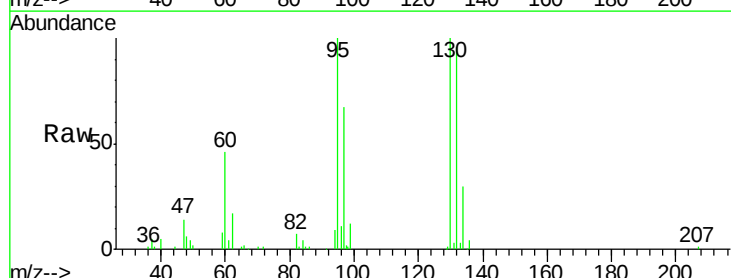
RT: 9.11 min Scan# 1222

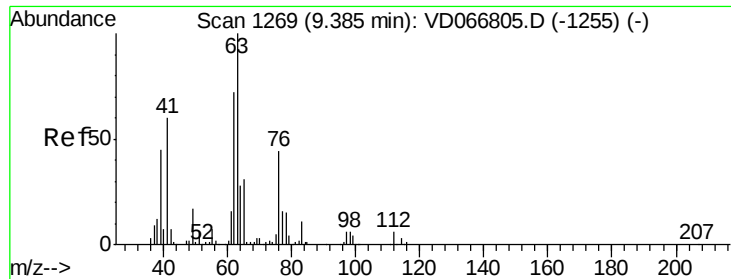
Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Tgt Ion:	130	Resp:	103422
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	197.0





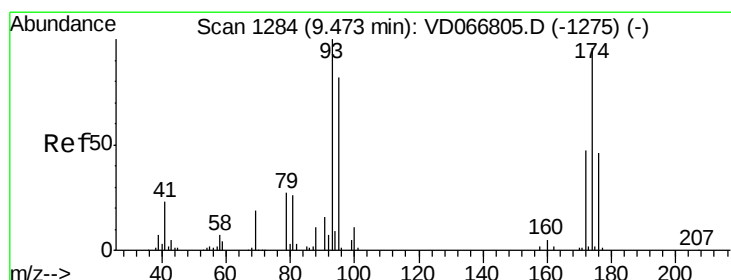
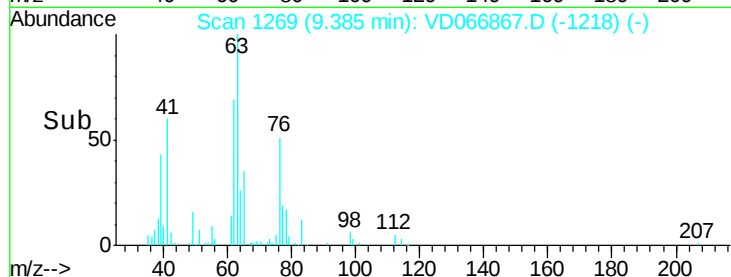
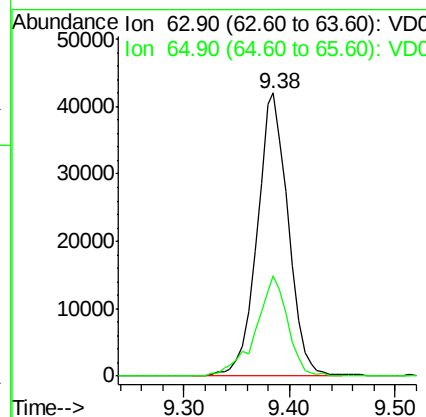
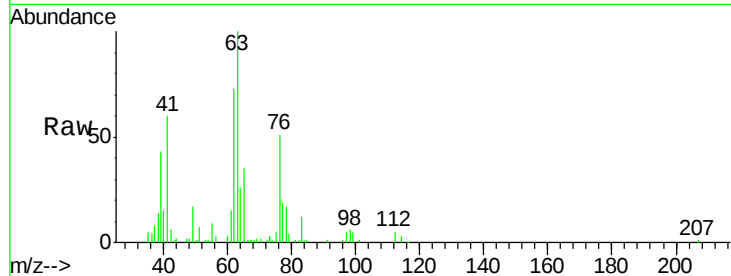
#45
 1,2-Dichloropropane
 Concen: 19.525 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

Tot Ion: 63 Resp: 85799
 Ion Ratio Lower Upper
 63 100
 65 35.4 24.7 37.1

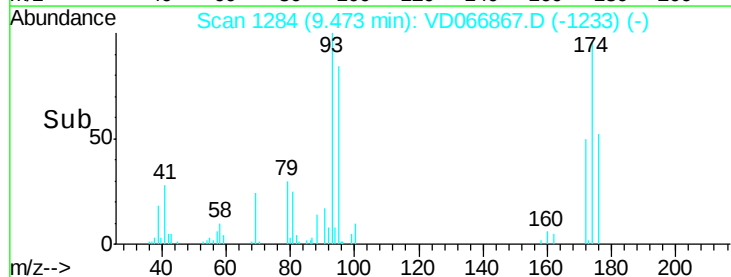
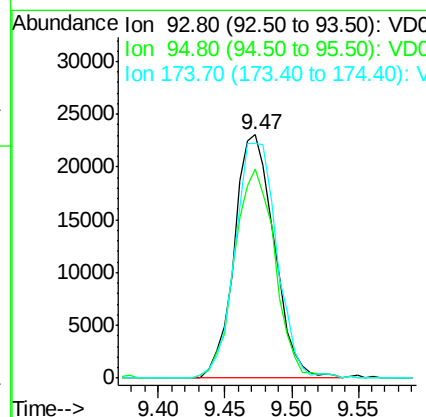
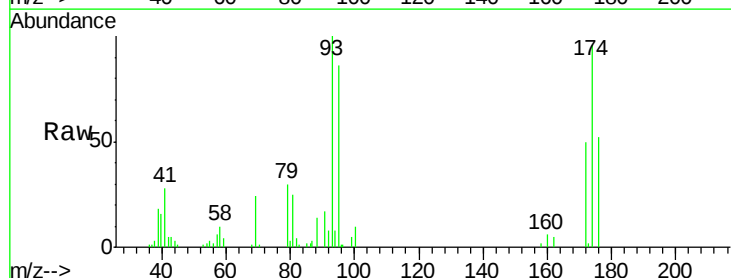
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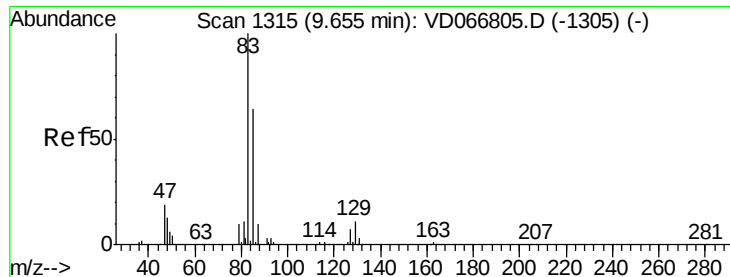
MMDadoda
 9/29/2020 11:45:17 AM



#46
 Dibromomethane
 Concen: 20.073 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Tgt Ion: 93 Resp: 47924
 Ion Ratio Lower Upper
 93 100
 95 87.4 65.3 97.9
 174 101.9 75.4 113.2





#47

Bromodichloromethane

Concen: 20.466 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

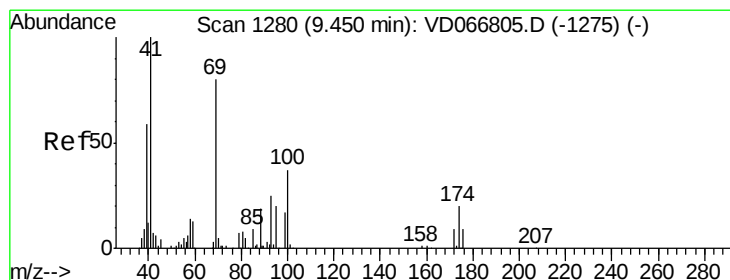
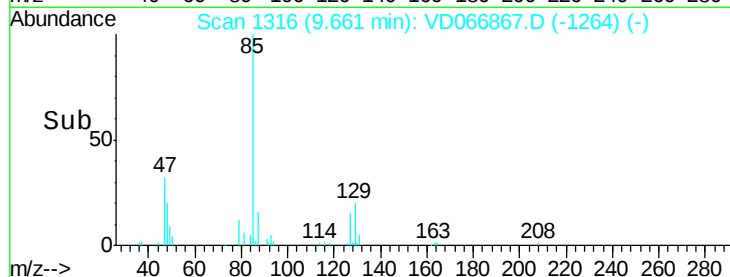
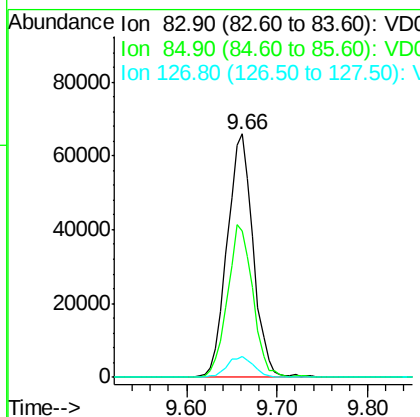
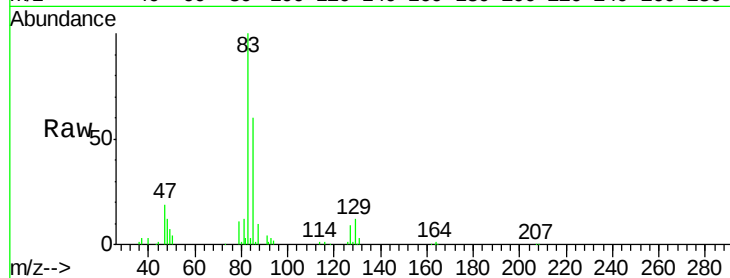
ClientSampleId :

VD0925SBSD01

Tot Ion:	83	Resp:	131262
Ion Ratio	Lower	Upper	
83	100		
85	60.1	50.9	76.3
127	8.8	5.9	8.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.914 ug/l

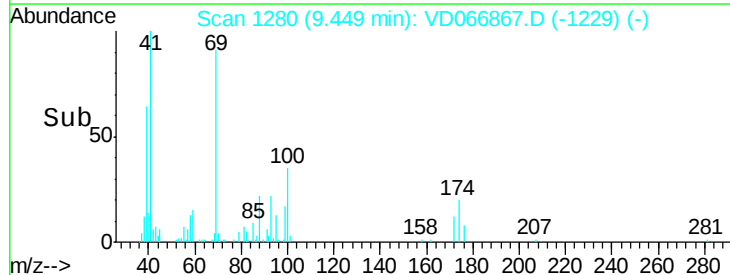
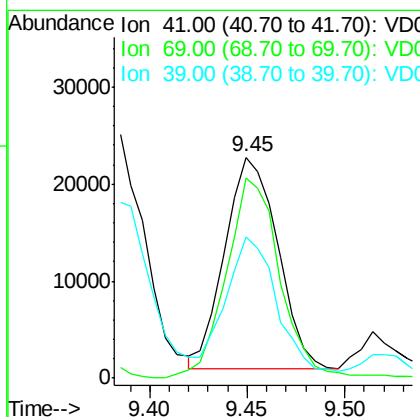
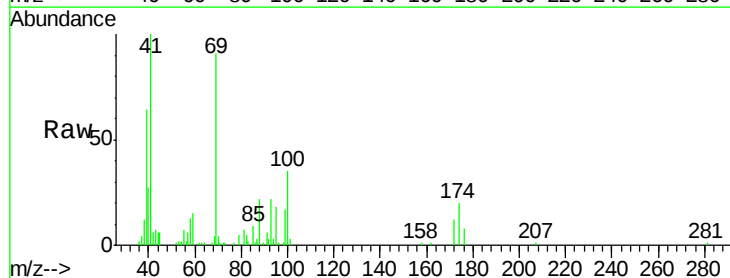
RT: 9.45 min Scan# 1280

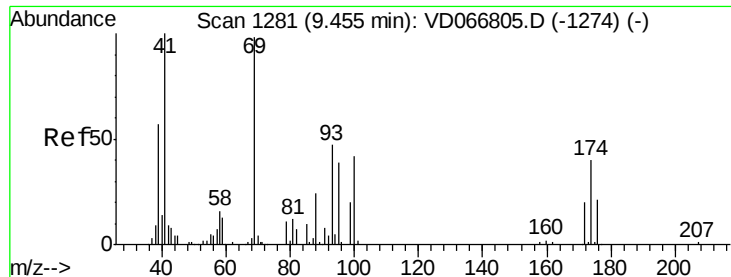
Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Tgt Ion:	41	Resp:	40731
Ion Ratio	Lower	Upper	
41	100		
69	96.8	74.5	111.7
39	60.5	47.0	70.6





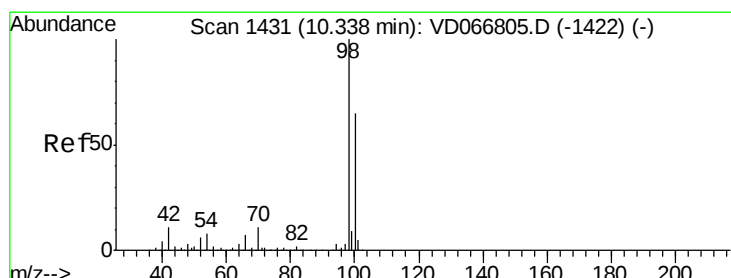
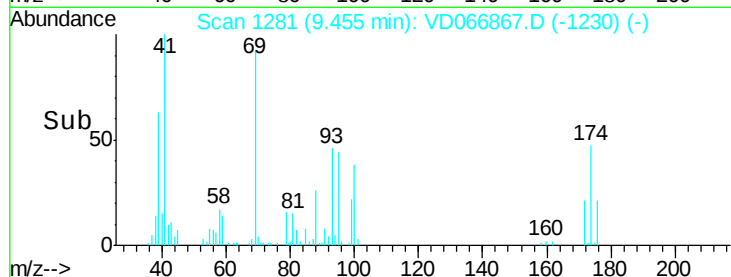
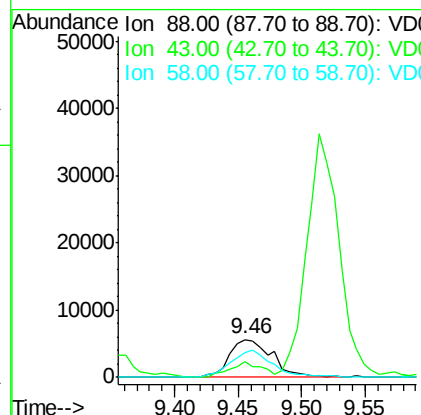
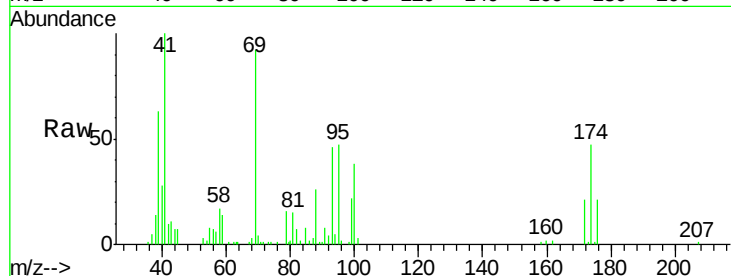
#49
1,4-Dioxane
Concen: 426.133 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	27.7	41.5
58	71.3	55.5	83.3

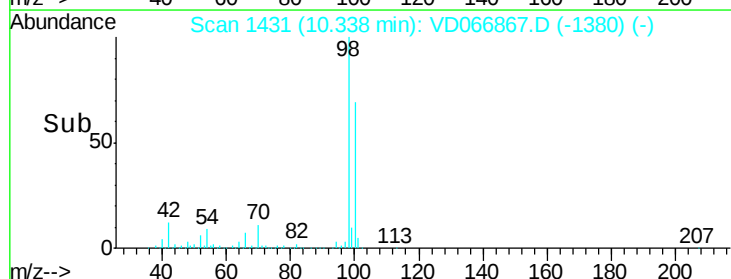
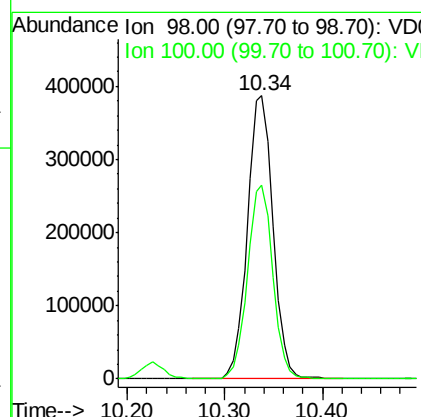
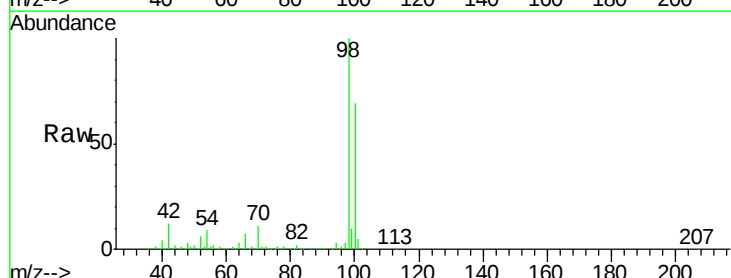
Manual Integrations
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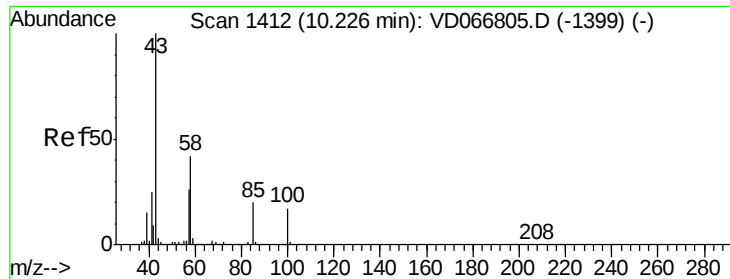
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#50
Toluene-d8
Concen: 52.033 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 100.880 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

ClientSampleID :

VD0925SBS01

Tot Ion: 43 Resp: 223261

Ion Ratio Lower Upper

43 100

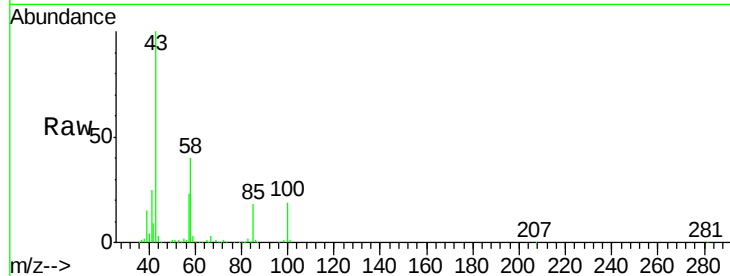
58 40.1 32.2 48.4

Manual Integrations

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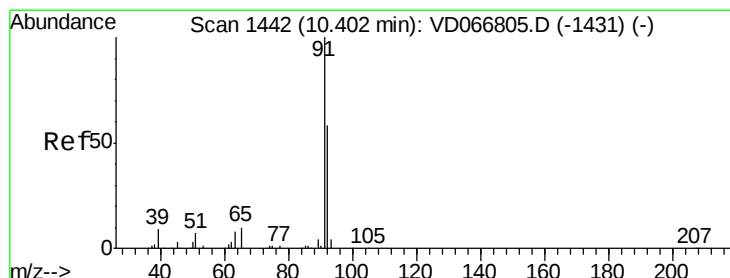
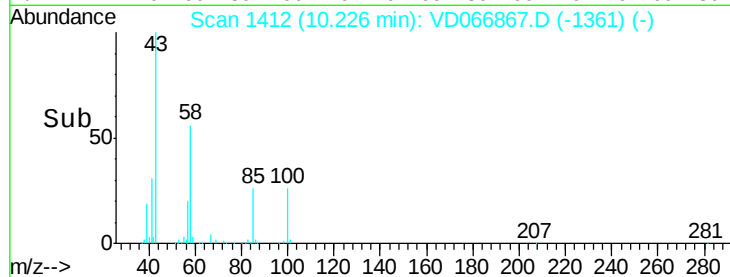
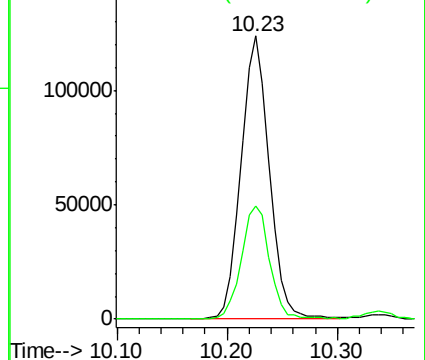
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.393 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066867.D

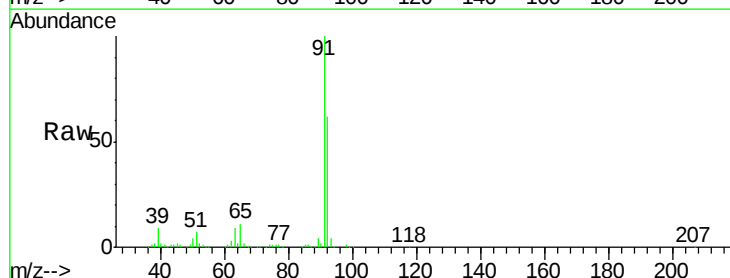
Acq: 25 Sep 2020 12:04

Tgt Ion: 92 Resp: 240668

Ion Ratio Lower Upper

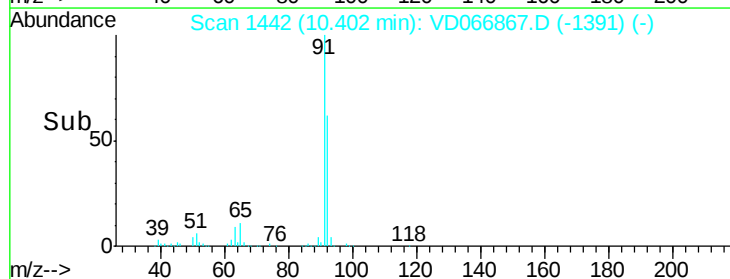
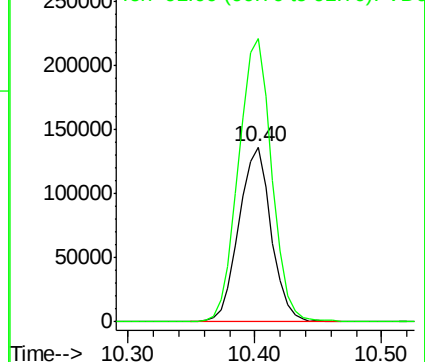
92 100

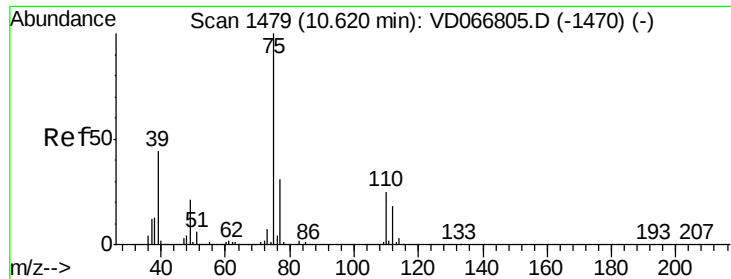
91 167.0 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





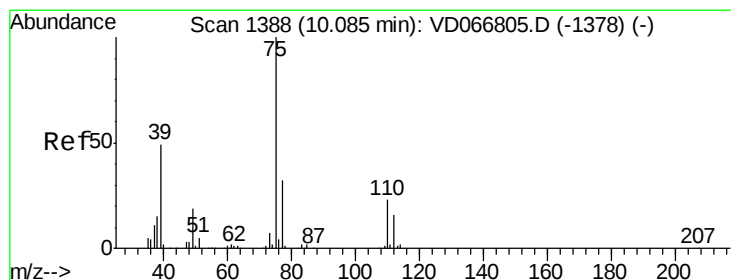
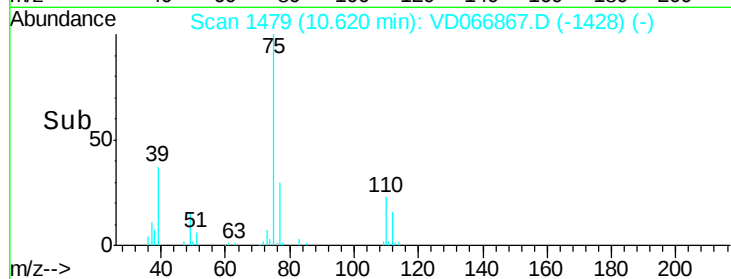
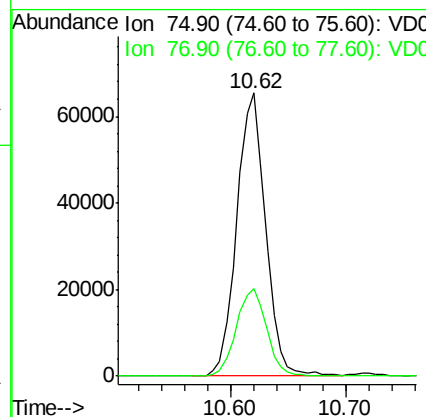
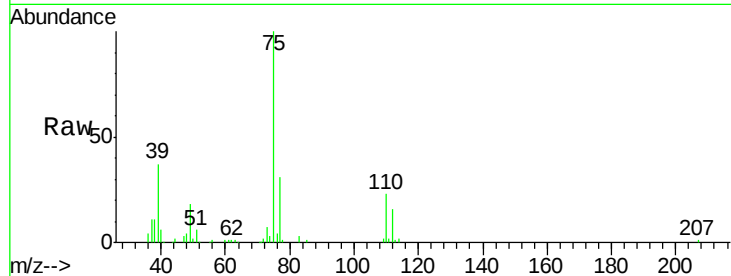
#53
 t-1,3-Dichloropropene
 Concen: 20.749 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion: 75 Resp: 113265
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.5 36.7

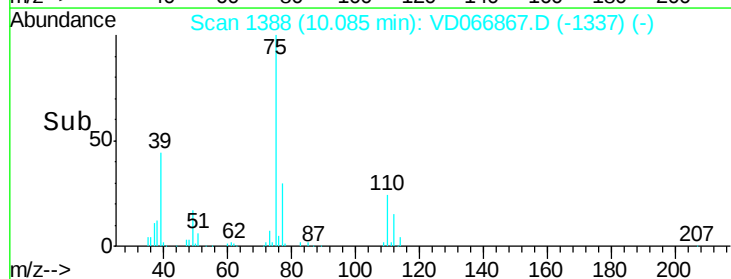
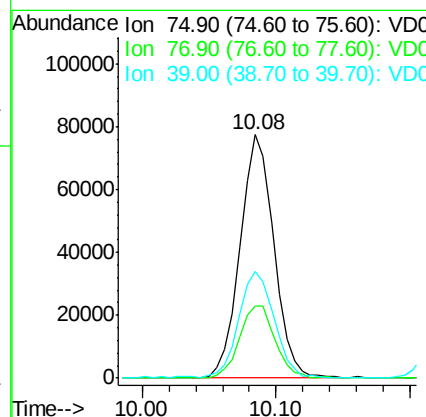
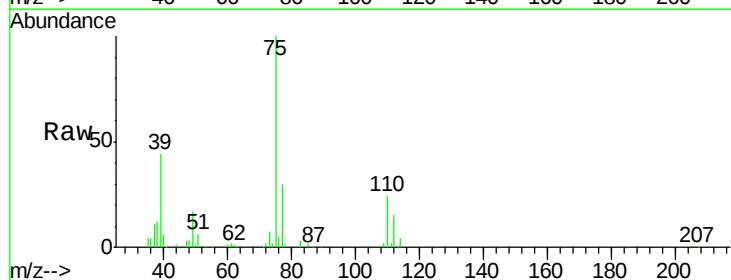
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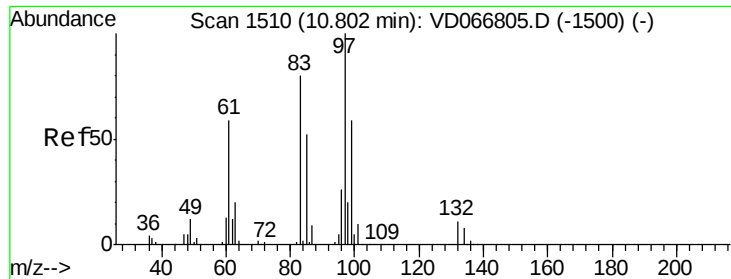
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#54
 cis-1,3-Dichloropropene
 Concen: 20.474 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Tgt Ion: 75 Resp: 136277
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.6 38.4
 39 43.2 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 21.475 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

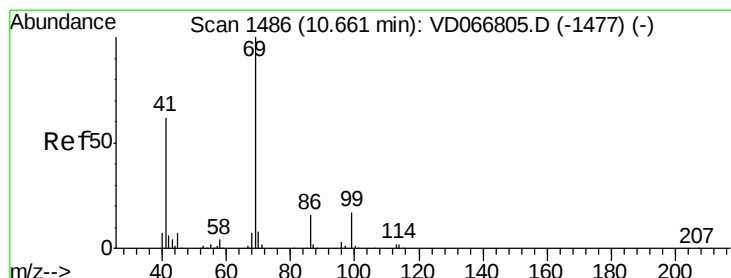
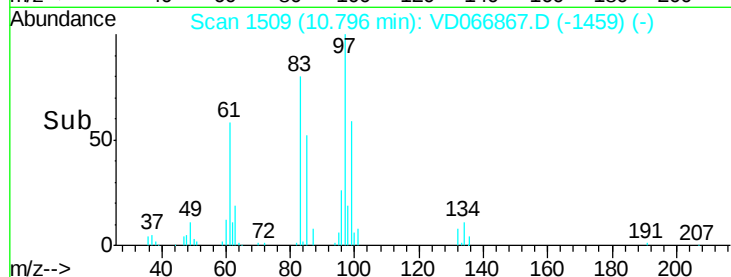
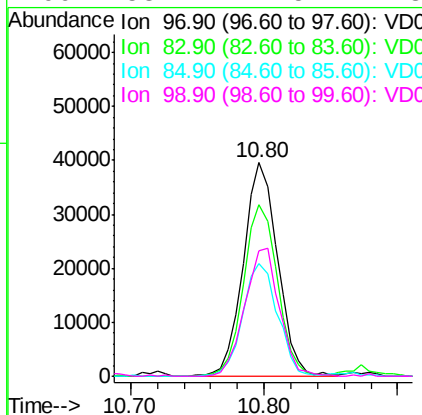
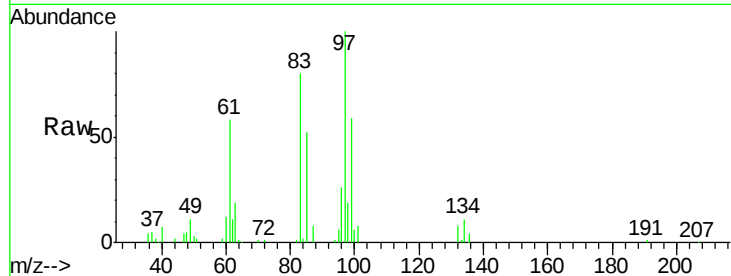
ClientSampleId :

VD0925SBS01

Tot Ion:	97	Resp:	70485
Ion	Ratio	Lower	Upper
97	100		
83	80.3	64.2	96.2
85	52.5	41.9	62.9
99	58.7	47.5	71.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.445 ug/l

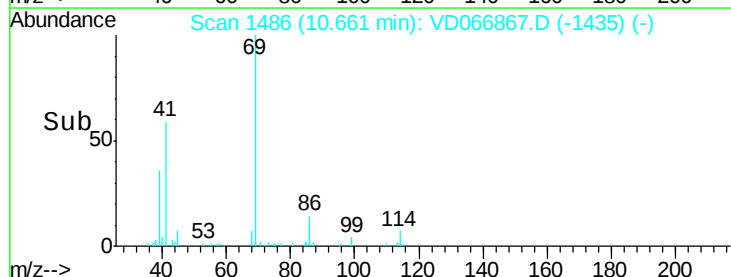
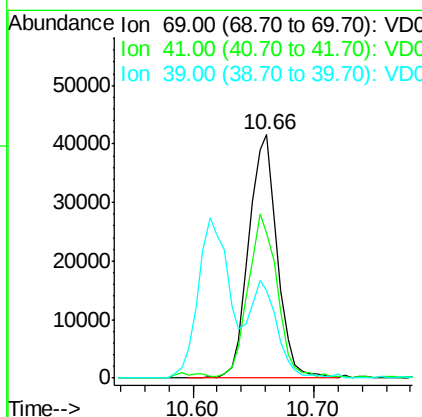
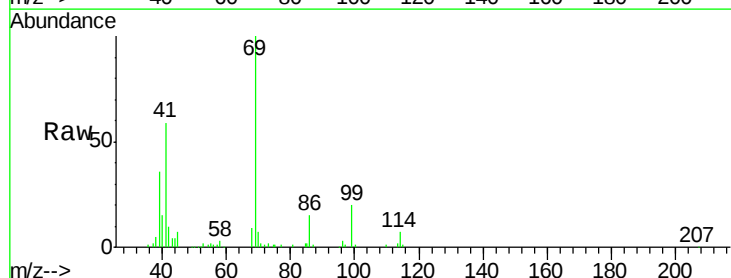
RT: 10.66 min Scan# 1486

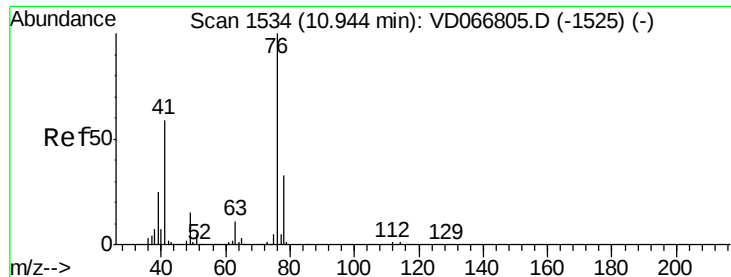
Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Tgt Ion:	69	Resp:	68370
Ion	Ratio	Lower	Upper
69	100		
41	69.9	52.2	78.2
39	38.7	26.6	40.0





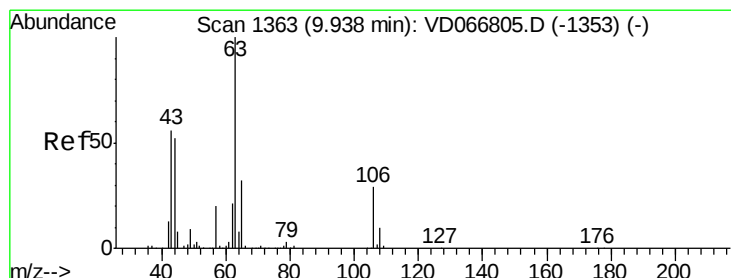
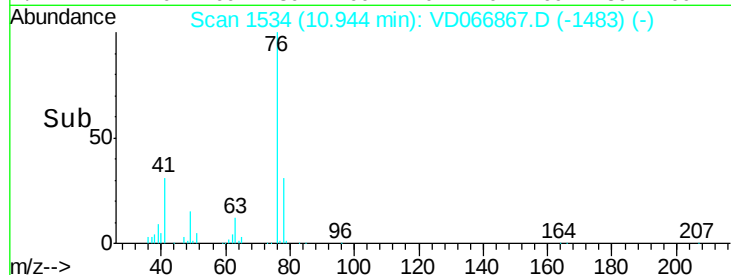
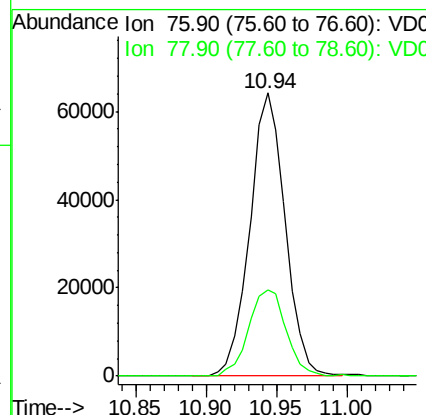
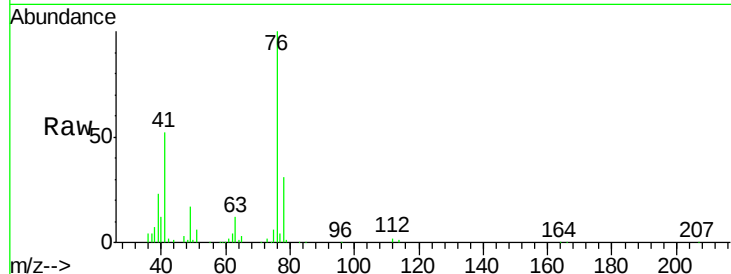
#57
 1,3-Dichloropropane
 Concen: 20.817 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.3	39.5

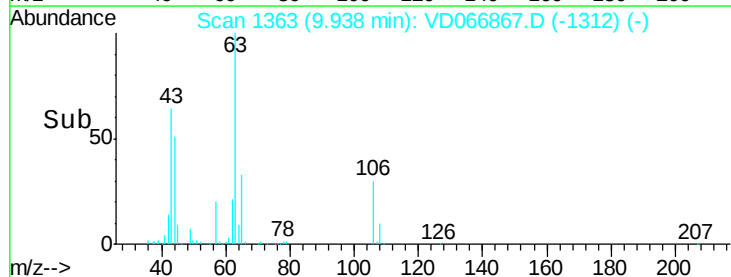
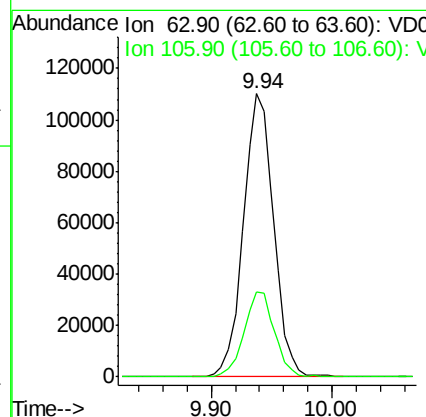
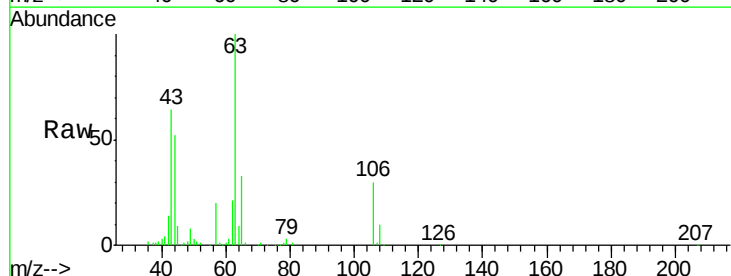
Manual Integrations
 APPROVED

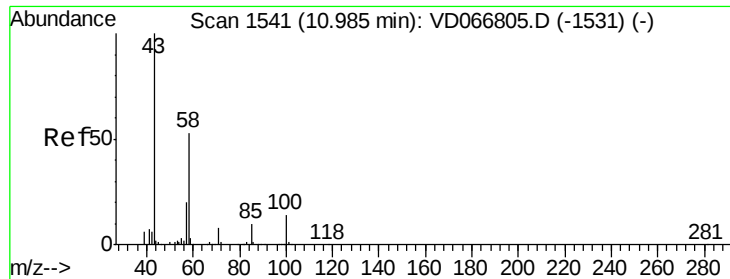
MMDadoda
 9/29/2020 11:45:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.824 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	23.8	35.6





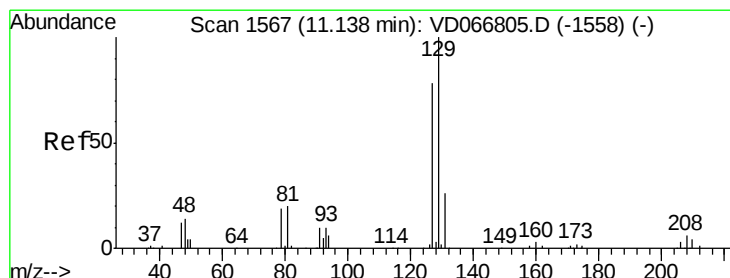
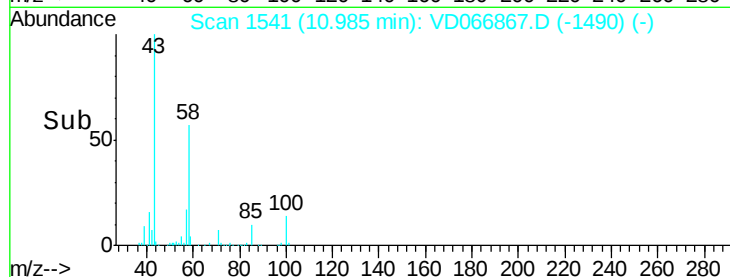
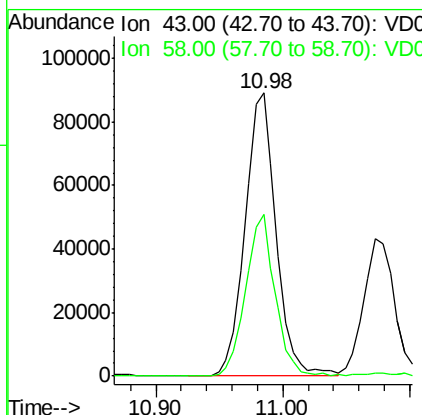
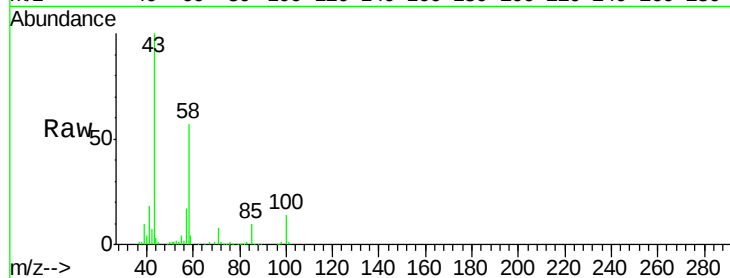
#59
2-Hexanone
Concen: 101.620 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion: 43 Resp: 151666
Ion Ratio Lower Upper
43 100
58 54.3 27.0 80.8

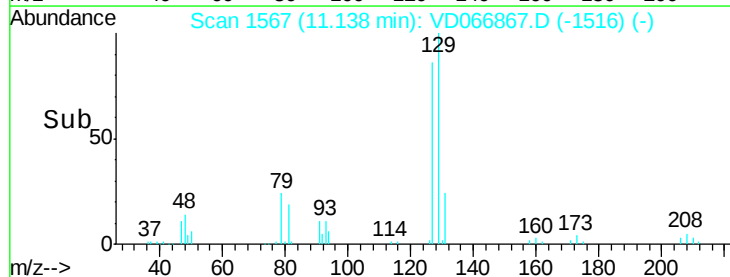
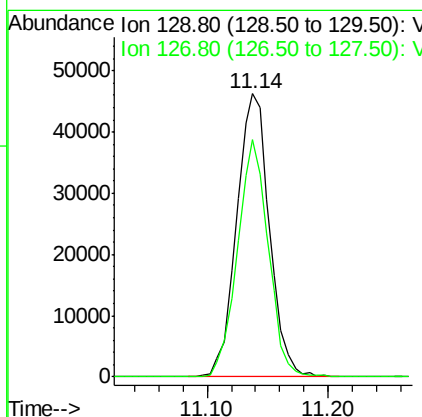
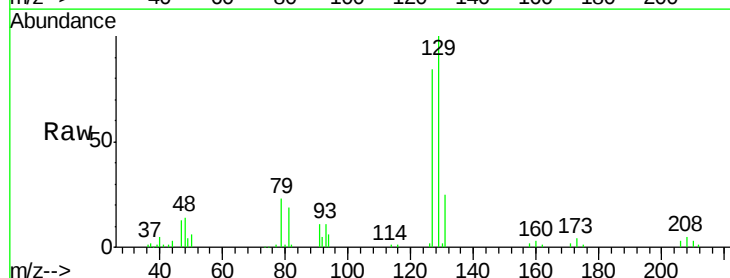
Manual Integrations
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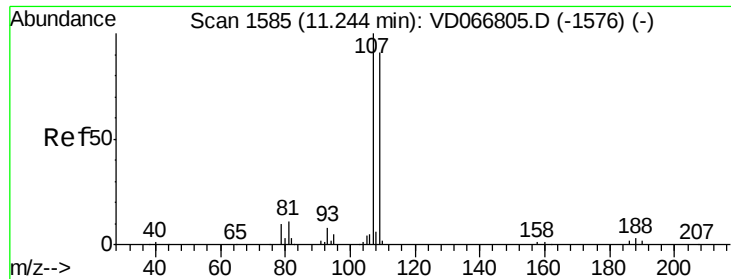
MMDadoda
9/29/2020 11:45:17 AM



#60
Dibromochloromethane
Concen: 20.397 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion: 129 Resp: 87374
Ion Ratio Lower Upper
129 100
127 79.1 38.6 116.0





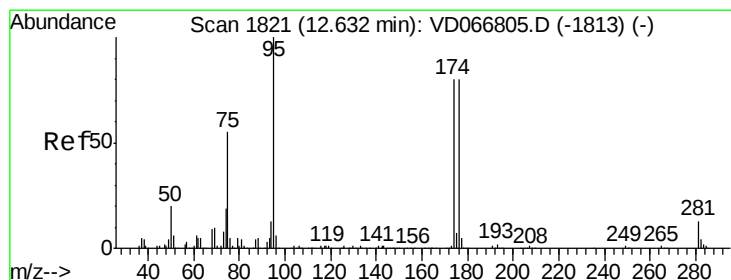
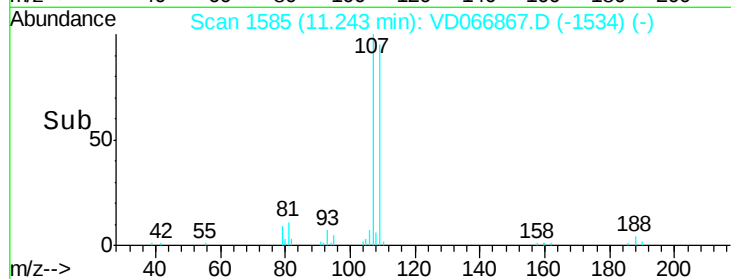
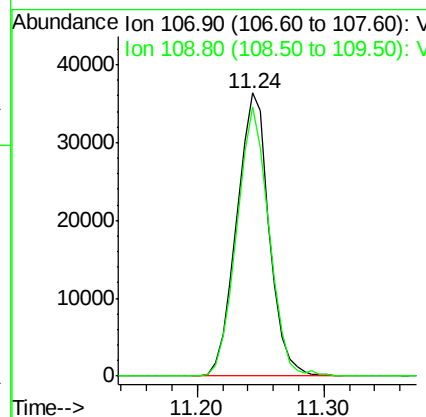
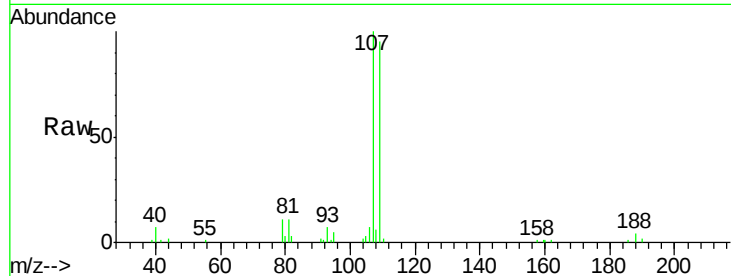
#61
 1,2-Dibromoethane
 Concen: 21.009 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.0	112.4

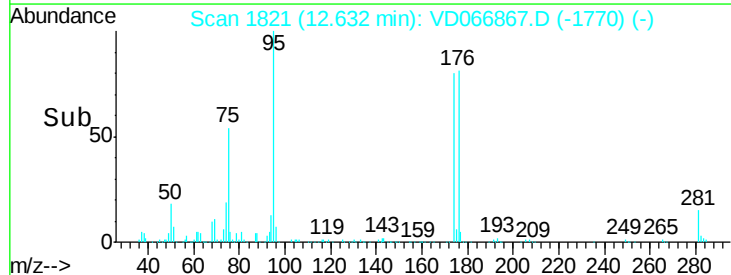
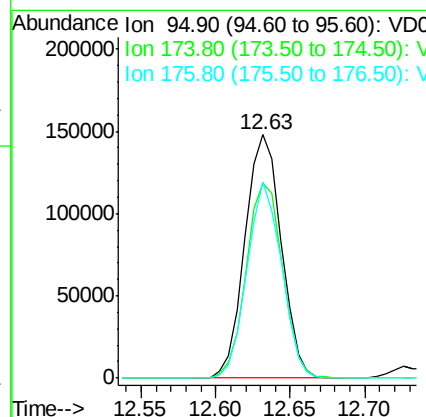
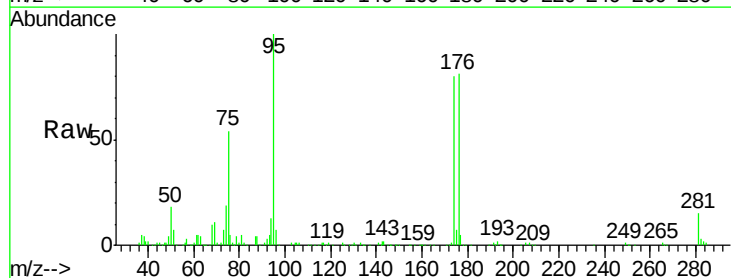
Manual Integrations
 APPROVED

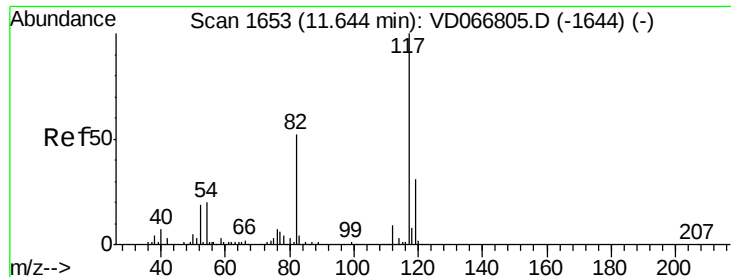
MMDadoda
 9/29/2020 11:45:17 AM



#62
 4-Bromofluorobenzene
 Concen: 53.013 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	159.8
176	77.1	0.0	154.4





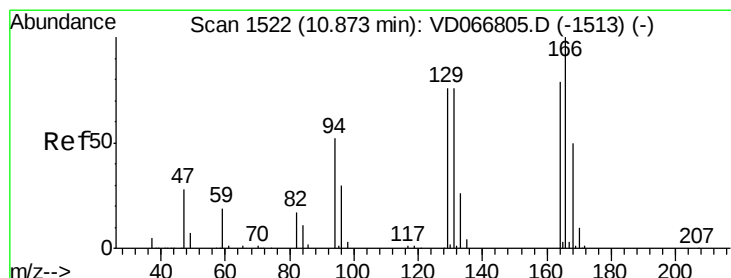
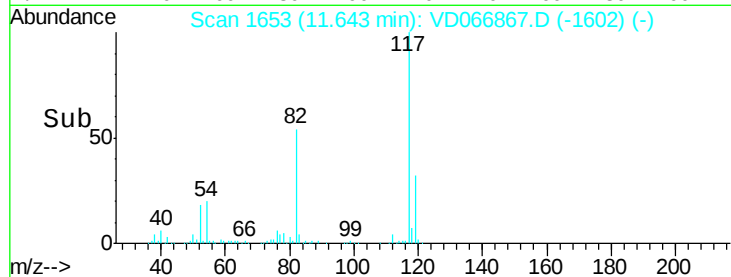
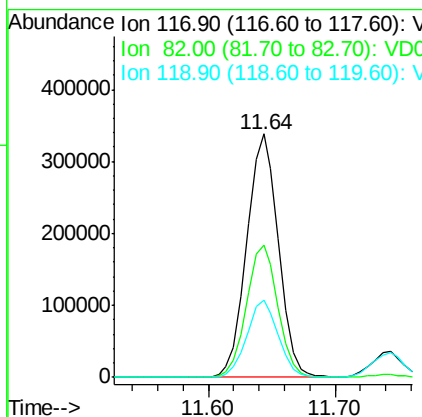
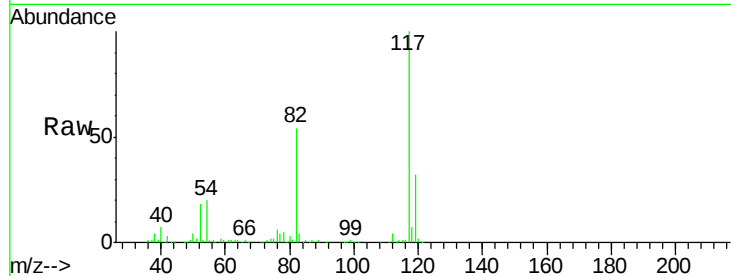
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	41.8	62.6
119	31.8	24.6	37.0

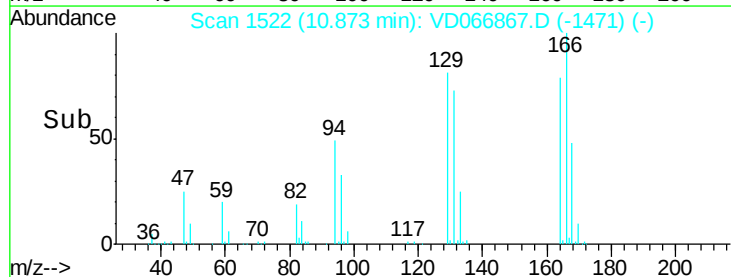
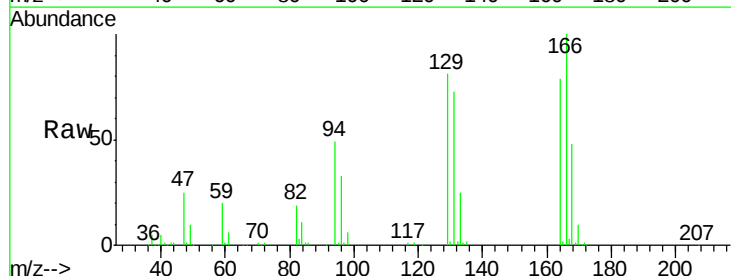
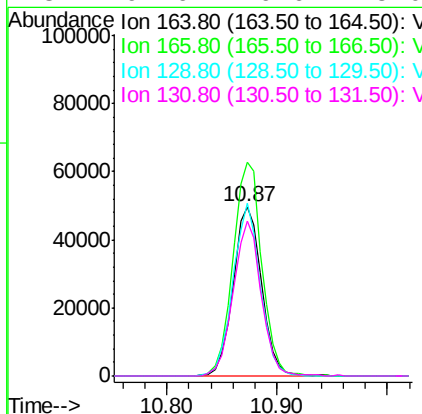
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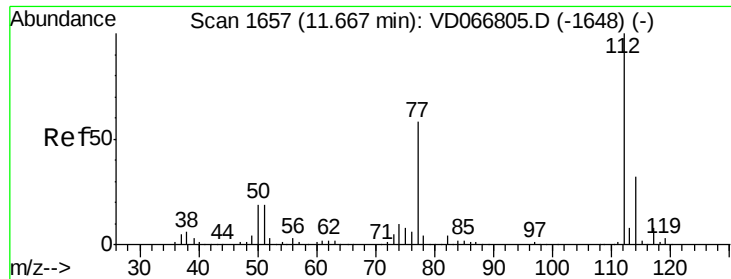
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#64
Tetrachloroethene
Concen: 21.208 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.1	151.7
129	102.4	77.0	115.4
131	91.6	76.6	115.0





#65

Chlorobenzene

Concen: 20.404 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion:112 Resp: 249115

Ion Ratio Lower Upper

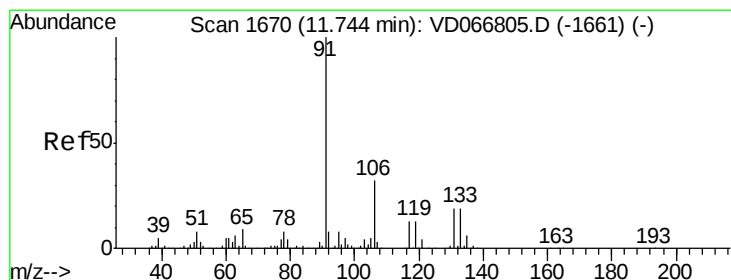
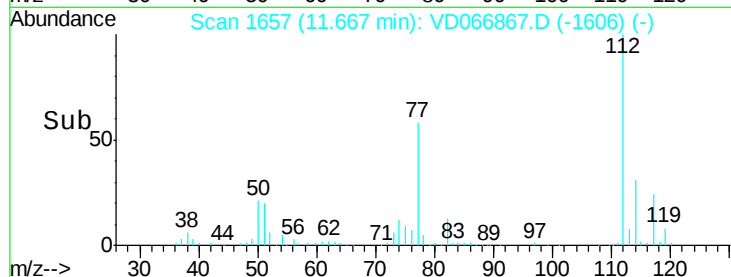
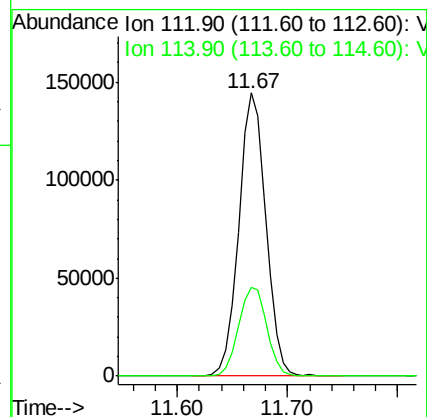
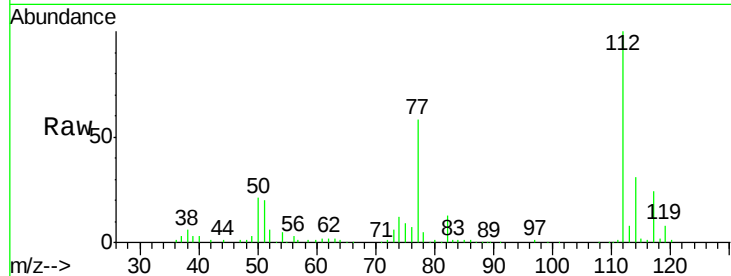
112 100

114 31.3 25.4 38.2

Manual Integrations
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9/29/2020 11:45:17 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.260 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

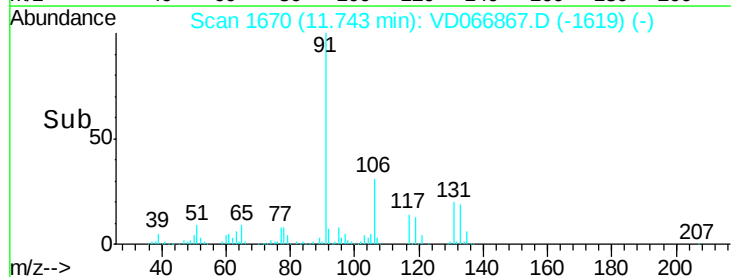
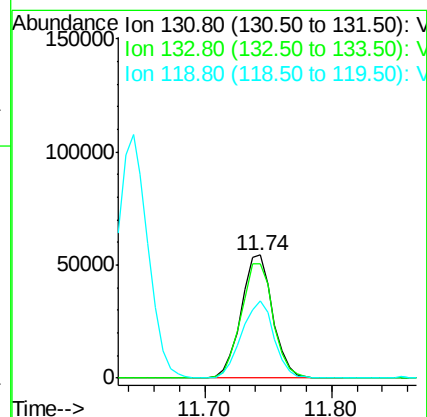
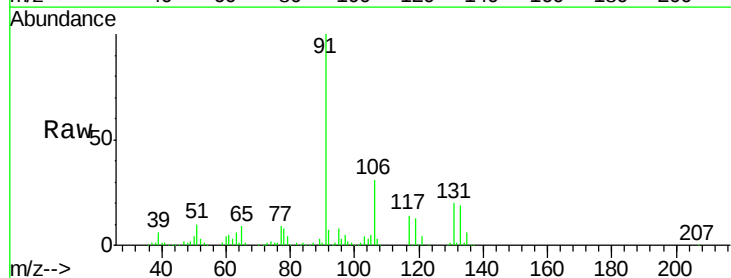
Tgt Ion:131 Resp: 93617

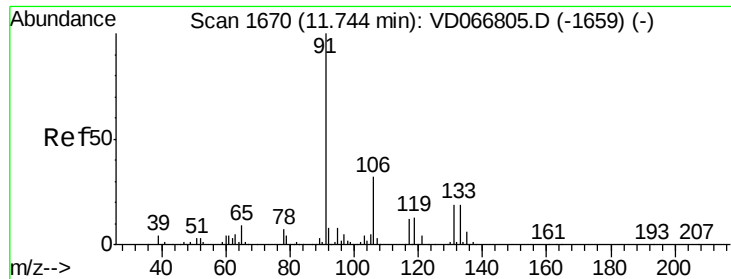
Ion Ratio Lower Upper

131 100

133 95.3 46.7 140.1

119 64.9 32.3 96.9





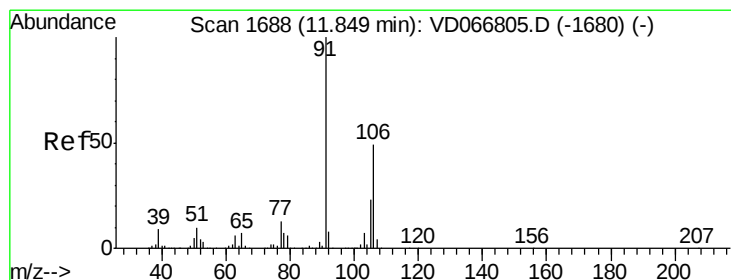
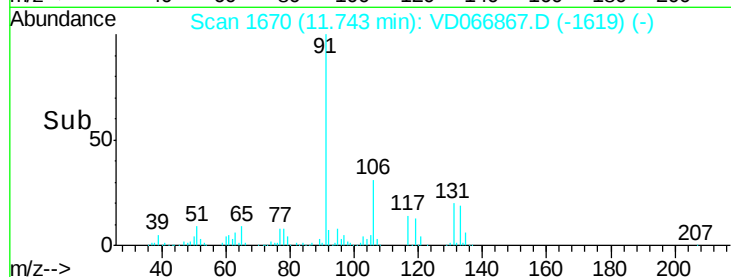
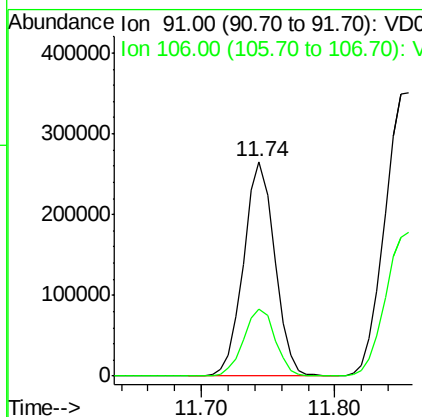
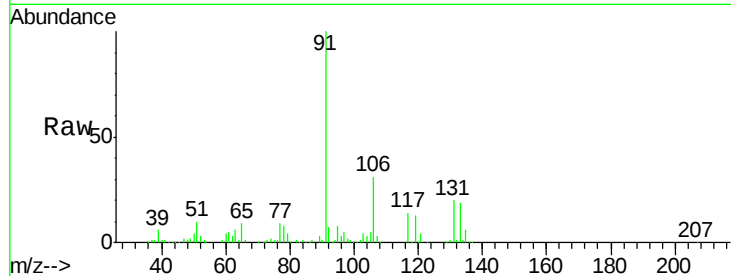
#67
Ethyl Benzene
Concen: 19.965 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.6	38.4

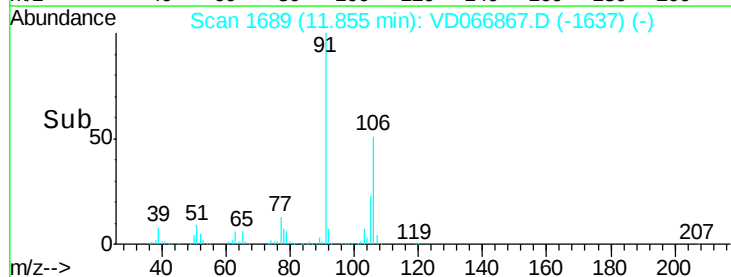
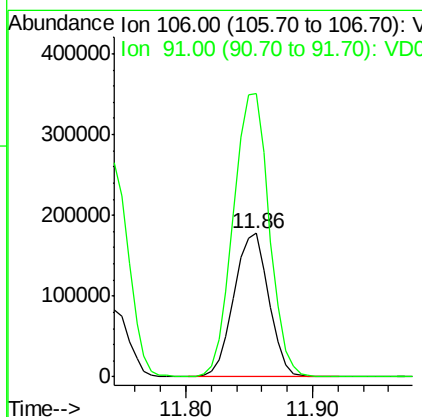
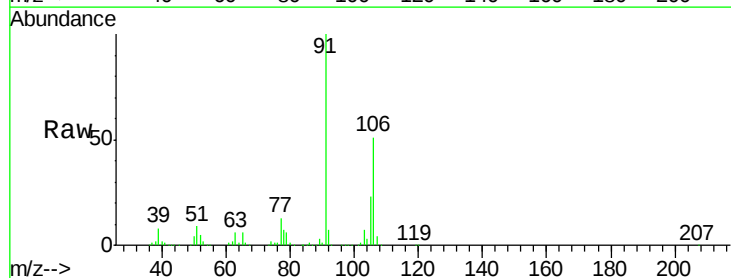
Manual Integrations
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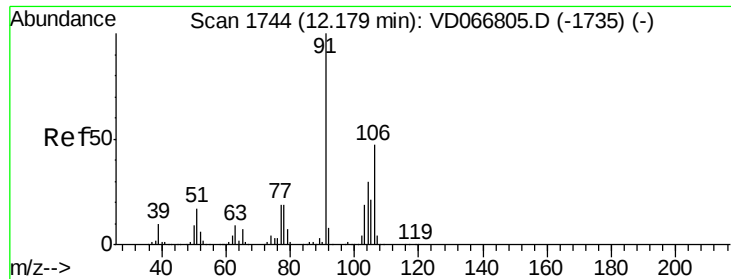
MMDadoda
9/29/2020 11:45:17 AM



#68
m/p-Xylenes
Concen: 41.765 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.4	160.7	241.1





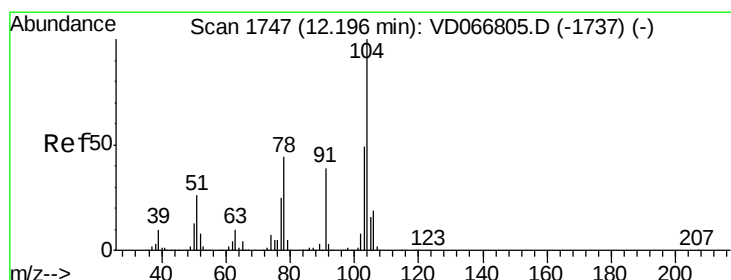
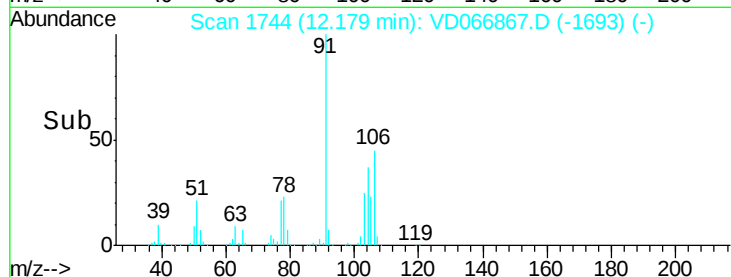
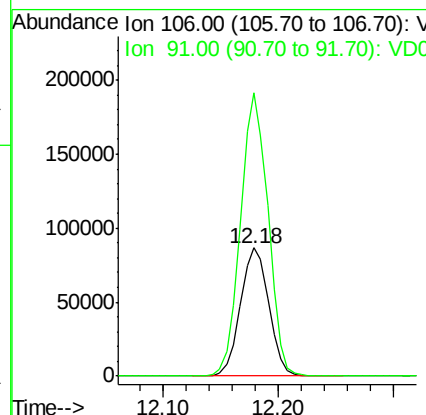
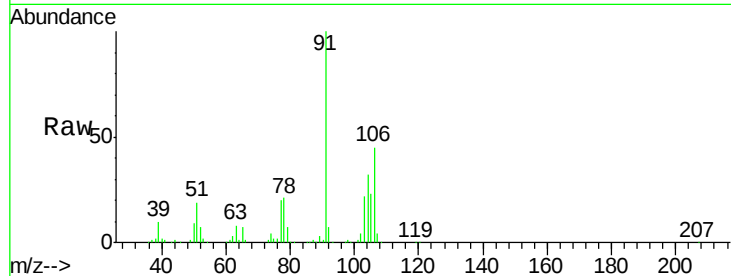
#69
o-Xylene
Concen: 20.063 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.5	106.3	318.8

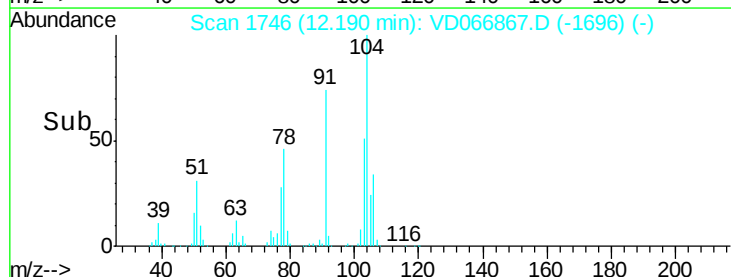
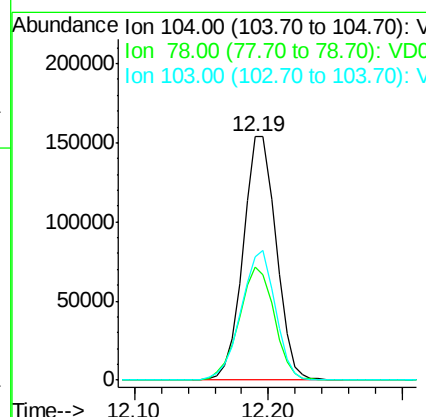
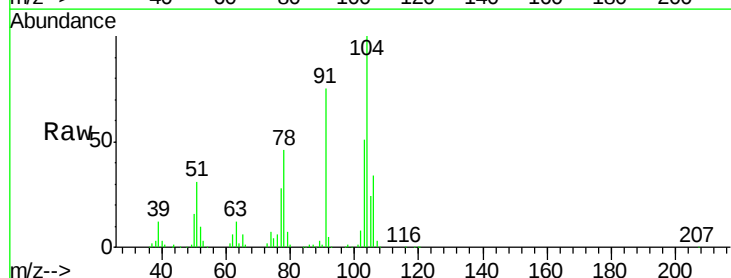
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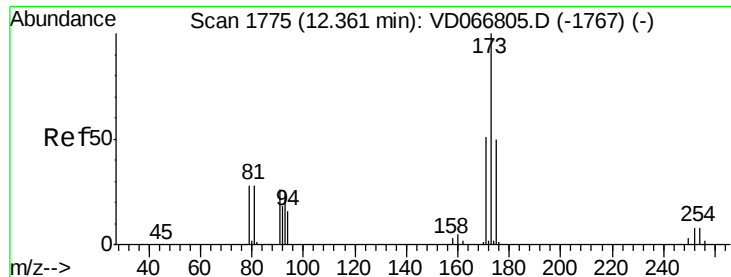
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#70
Styrene
Concen: 20.639 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	38.9	58.3
103	55.0	43.2	64.8





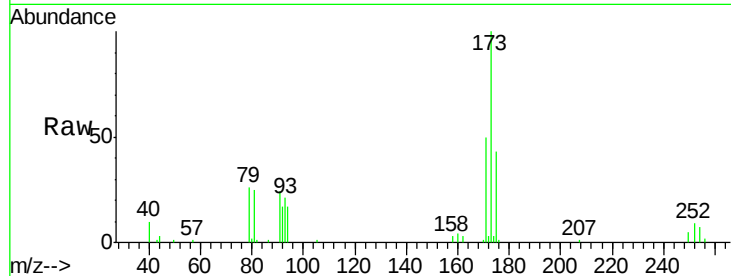
#71
Bromoform
Concen: 20.686 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

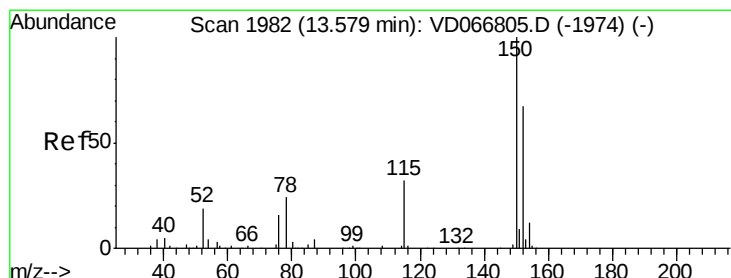
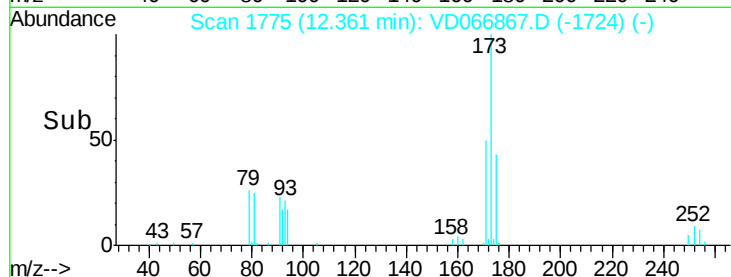
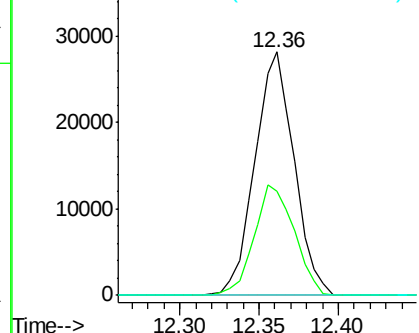
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.2	24.9	74.6
254	0.0	0.1	0.1

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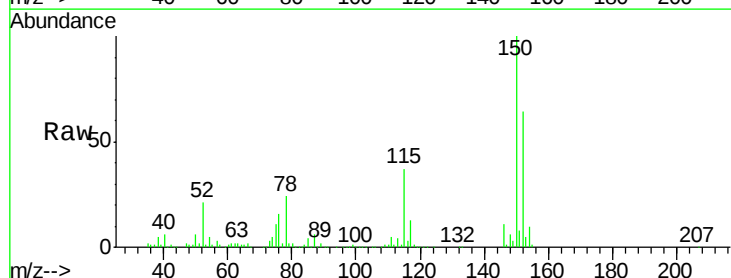


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

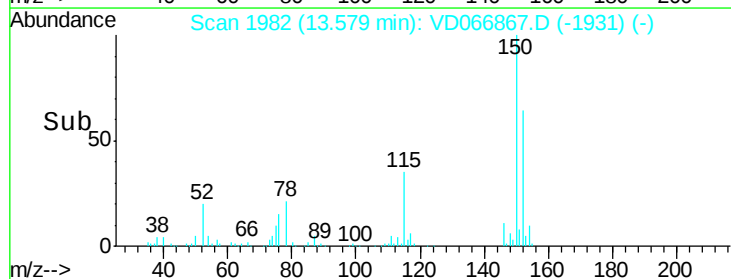
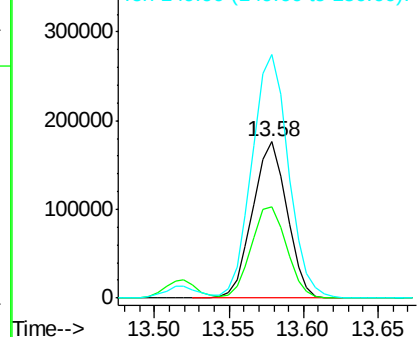


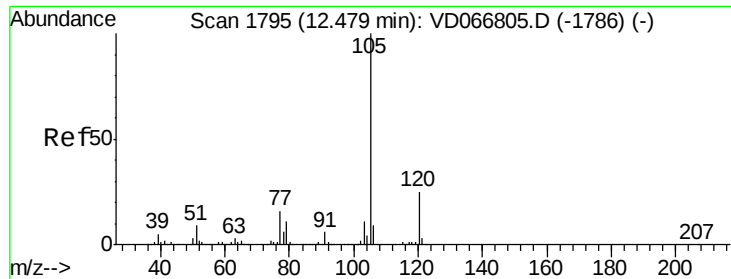
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.3	91.0
150	164.9	0.0	346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.476 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 105 Resp: 415446

Ion Ratio Lower Upper

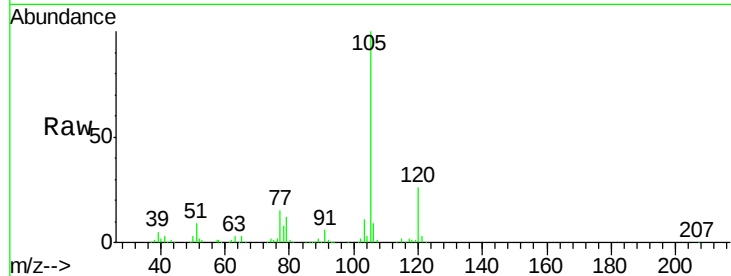
105 100

120 25.1 12.9 38.6

Manual Integrations
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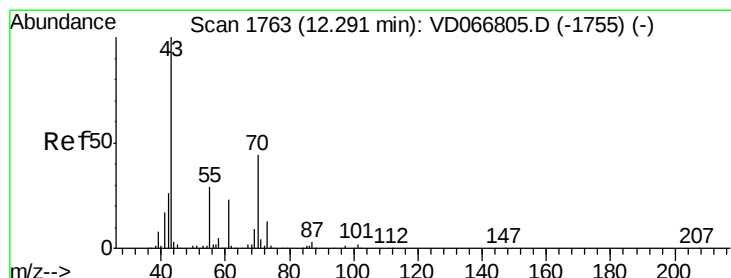
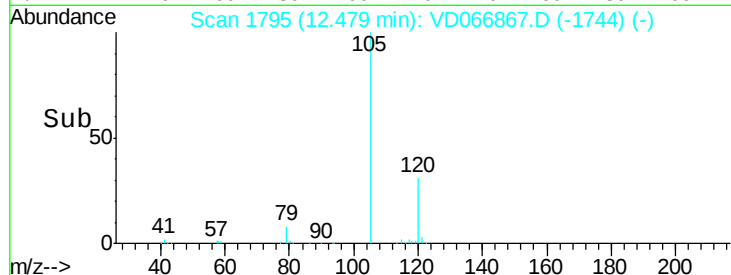
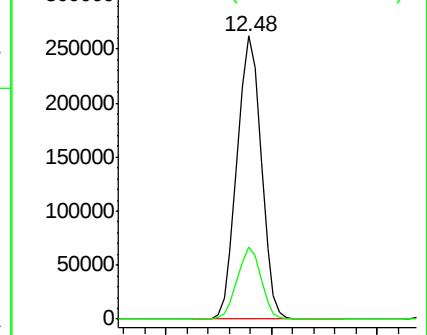
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.690 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Tgt Ion: 43 Resp: 78018

Ion Ratio Lower Upper

43 100

70 46.9 36.1 54.1

55 30.0 21.8 32.8

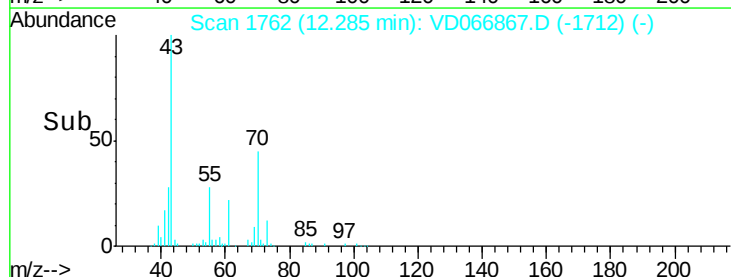
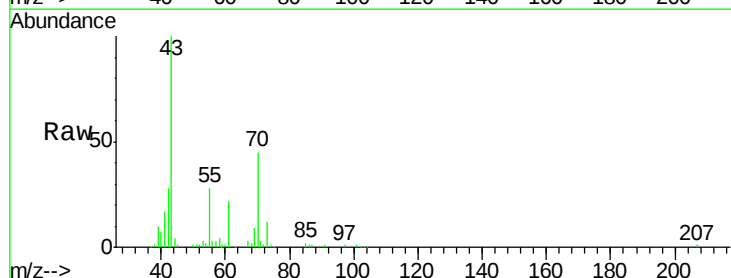
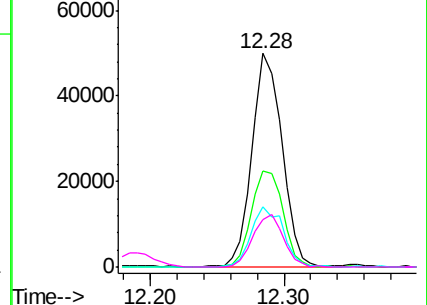
61 24.7 19.0 28.4

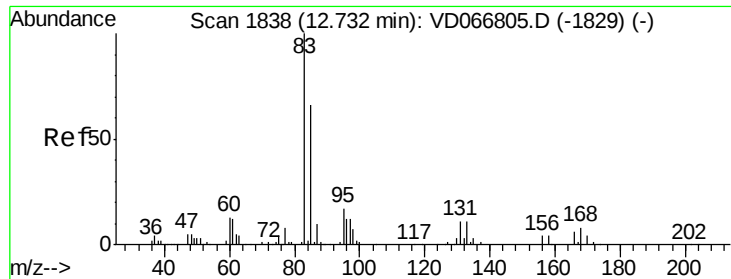
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.764 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 83 Resp: 72697

Ion Ratio Lower Upper

83 100

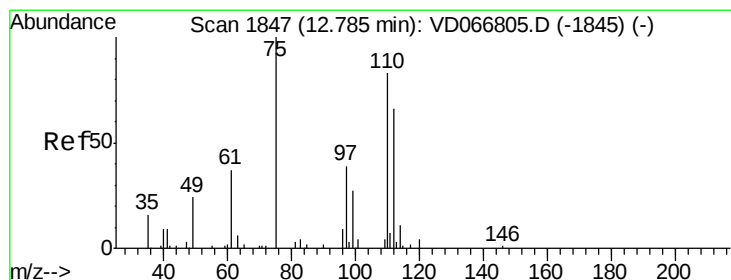
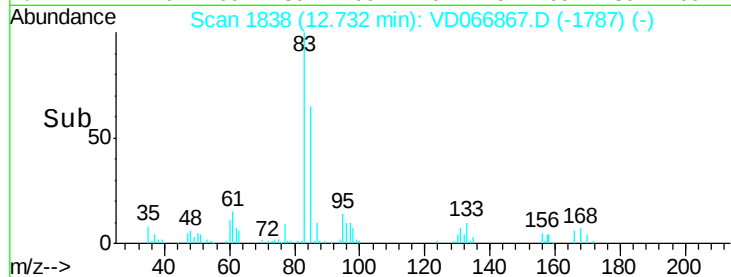
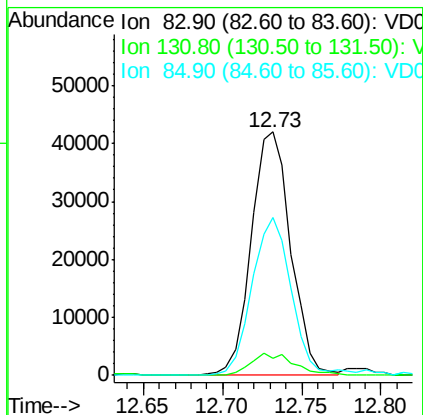
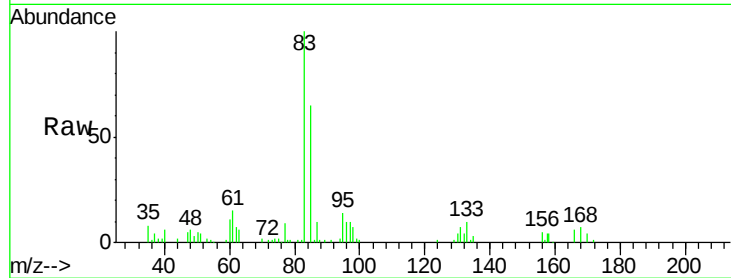
131 9.9 5.5 16.7

85 63.7 32.1 96.5

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#76

1,2,3-Trichloropropane

Concen: 23.386 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066867.D

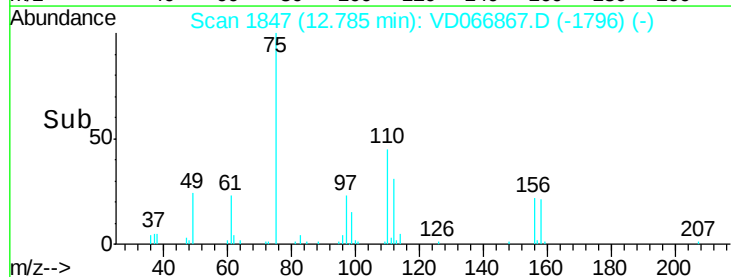
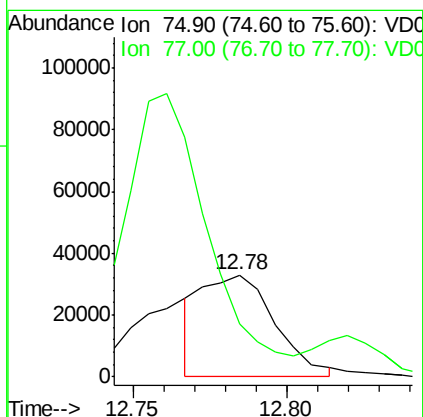
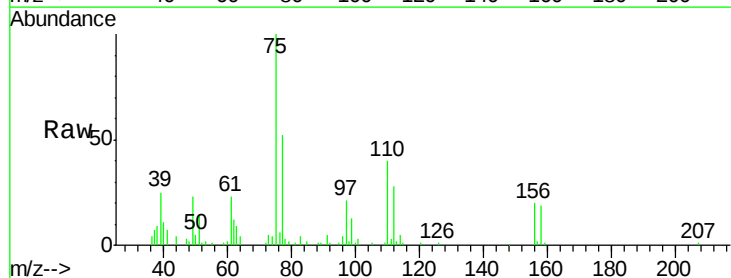
Acq: 25 Sep 2020 12:04

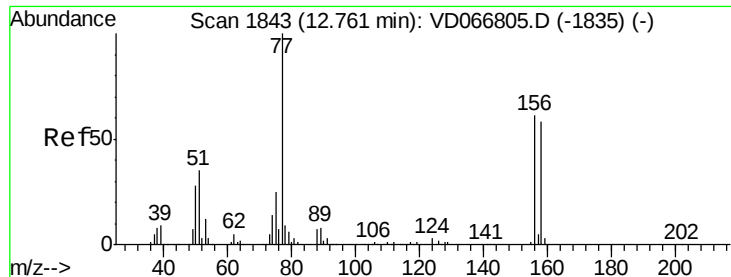
Tgt Ion: 75 Resp: 54433

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.297 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

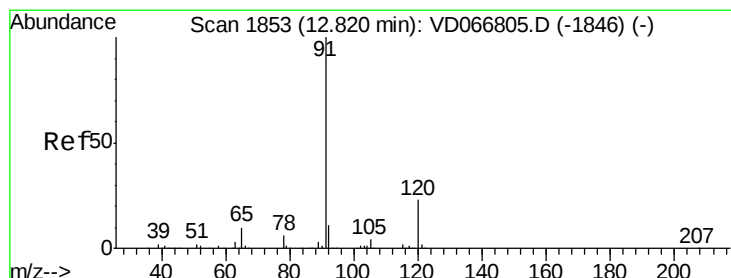
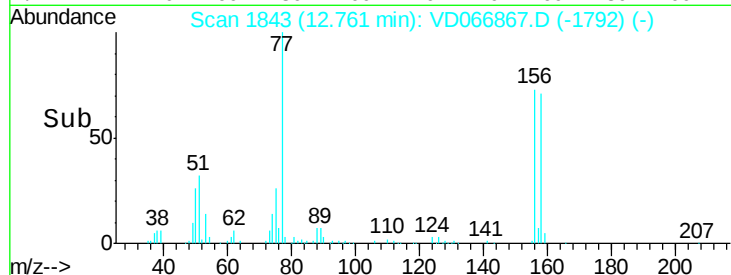
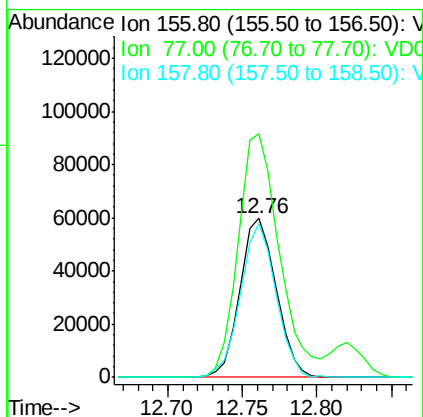
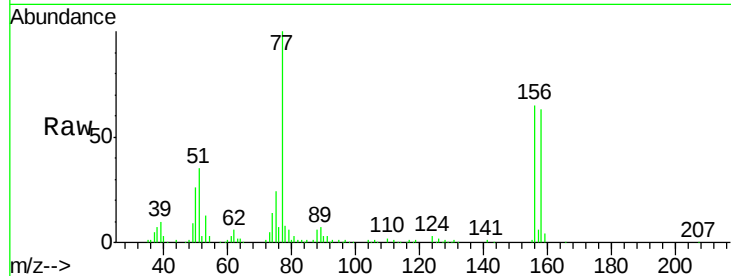
ClientSampleId :

VD0925SBS01

Tot Ion:	156	Resp:	101062
Ion	Ratio	Lower	Upper
156	100		
77	174.7	92.3	276.9
158	94.3	47.6	142.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.443 ug/l

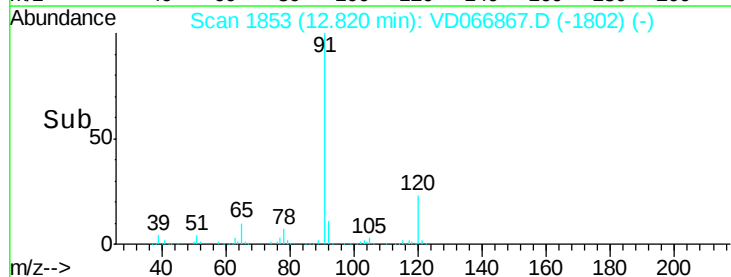
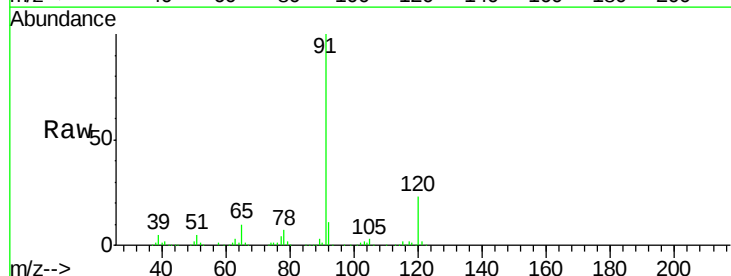
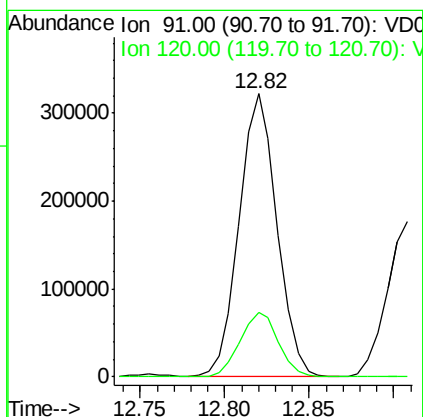
RT: 12.82 min Scan# 1853

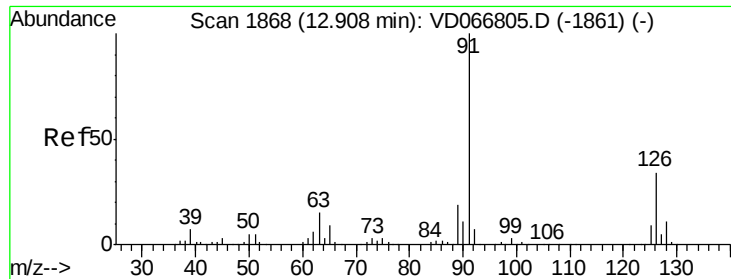
Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Tgt Ion:	91	Resp:	498999
Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.4	34.2





#79

2-Chlorotoluene

Concen: 20.469 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066867.D

Acq: 25 Sep 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

Tot Ion: 91 Resp: 284715

Ion Ratio Lower Upper

91 100

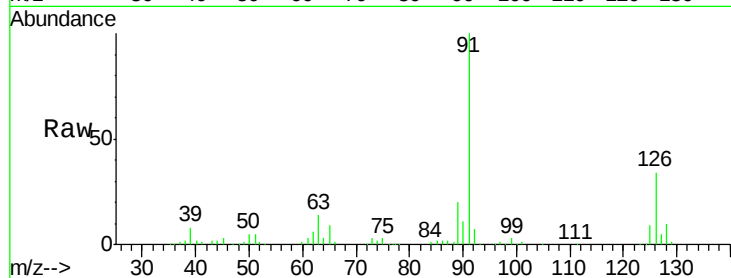
126 34.3 17.0 51.0

Manual Integrations

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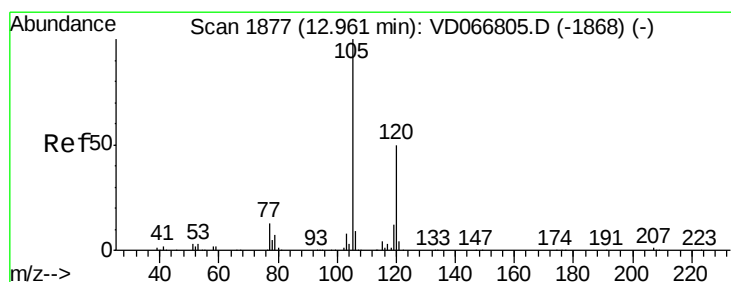
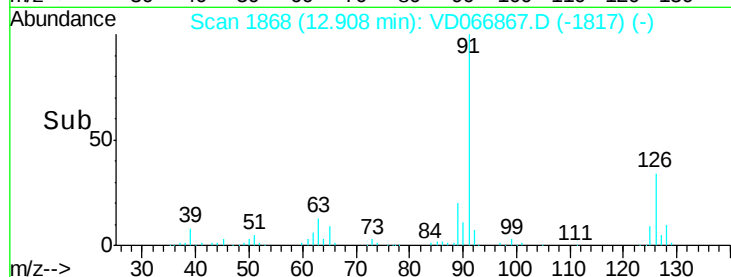
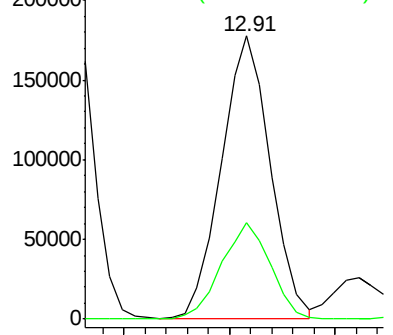
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Abundance Ion 91.00 (90.70 to 91.70): VD066805.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066805.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.598 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066867.D

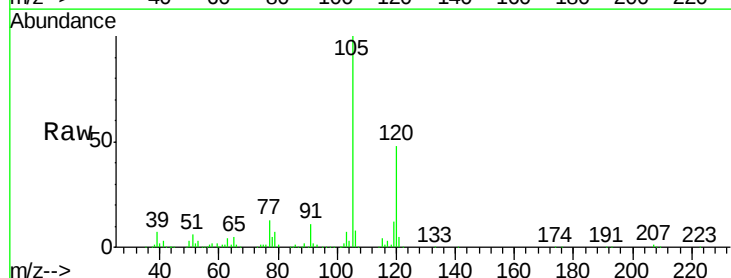
Acq: 25 Sep 2020 12:04

Tgt Ion:105 Resp: 354619

Ion Ratio Lower Upper

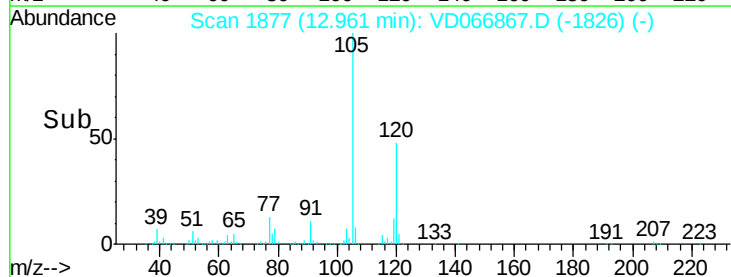
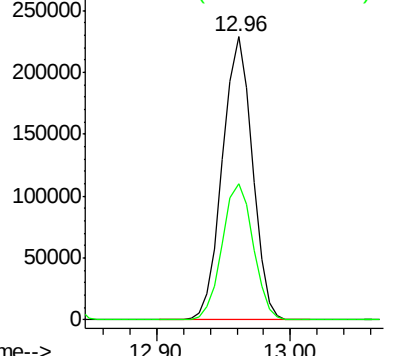
105 100

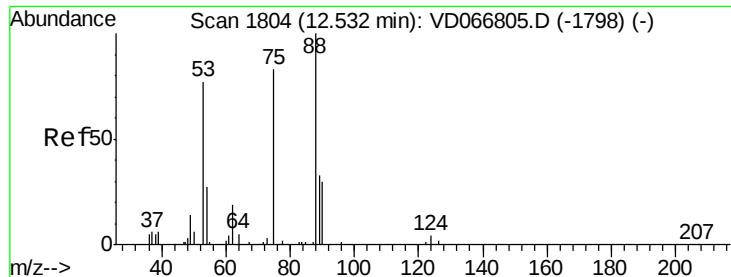
120 49.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VD066805.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD066805.D (-1868) (-)





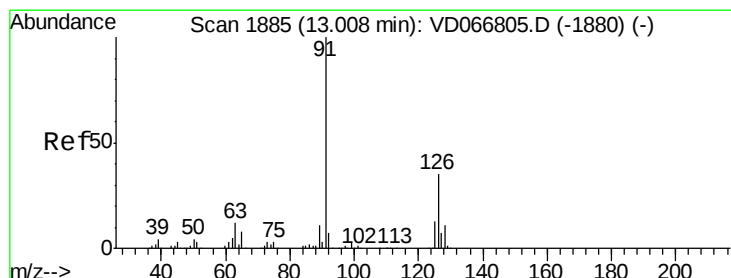
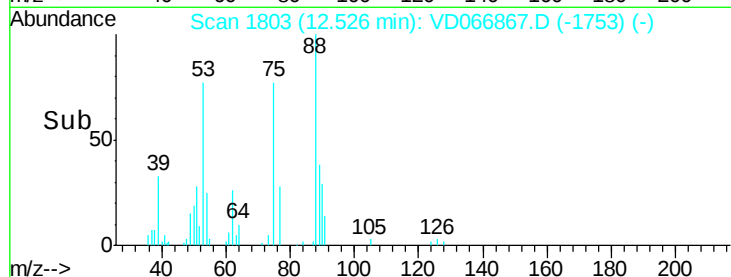
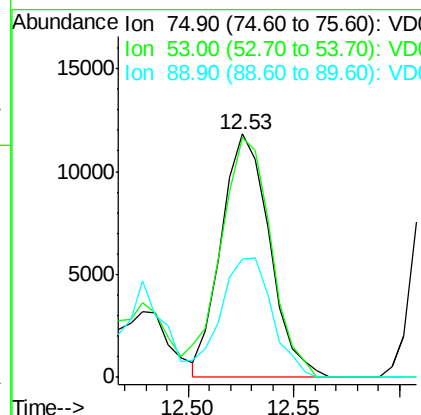
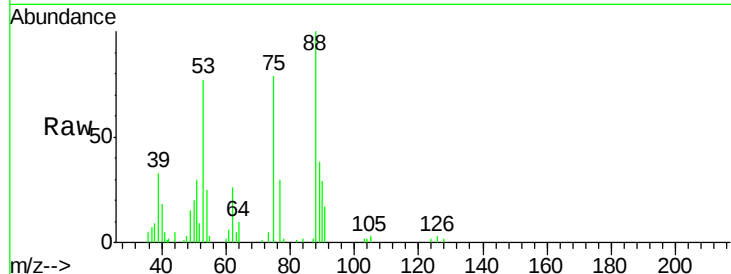
#81
trans-1,4-Dichloro-2-butene
Concen: 20.185 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.3	78.5	117.7
89	51.6	38.1	57.1

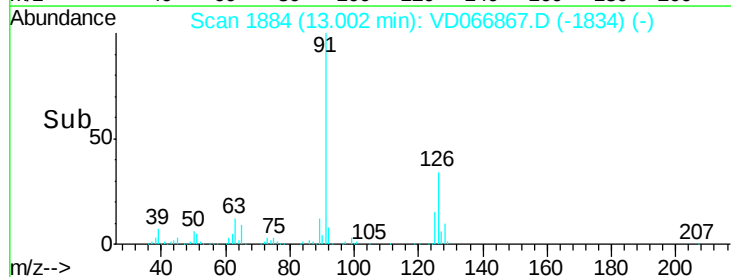
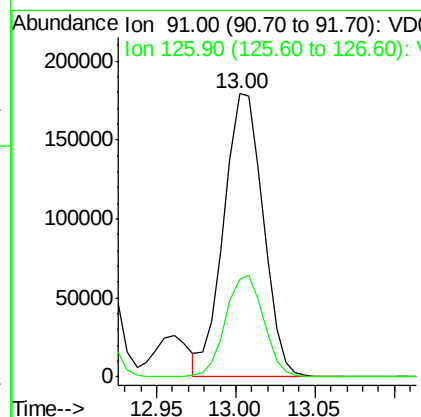
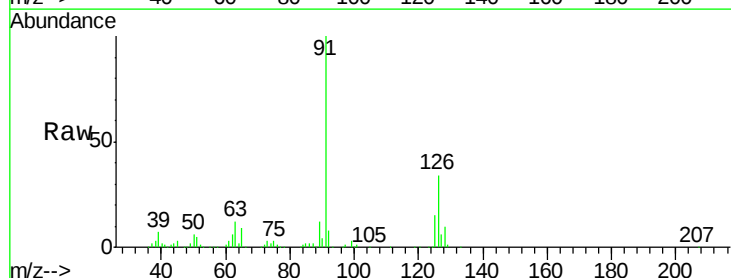
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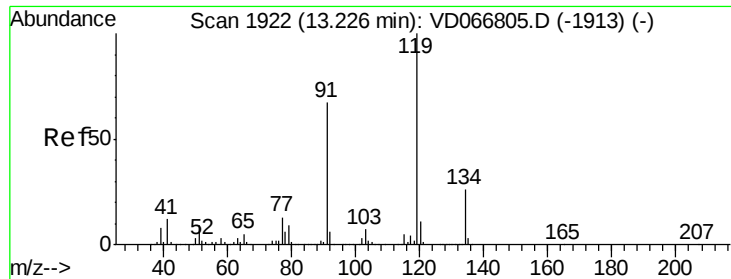
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.052 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.1	51.2





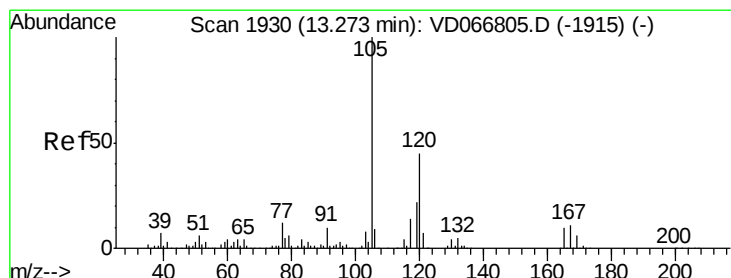
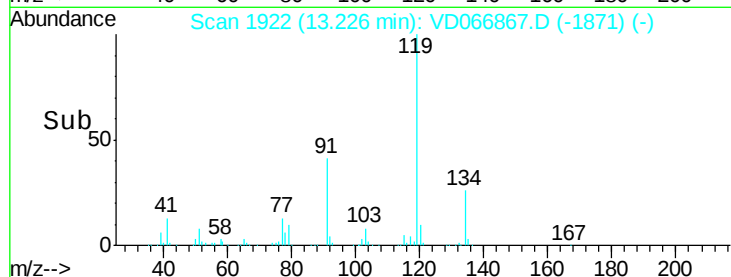
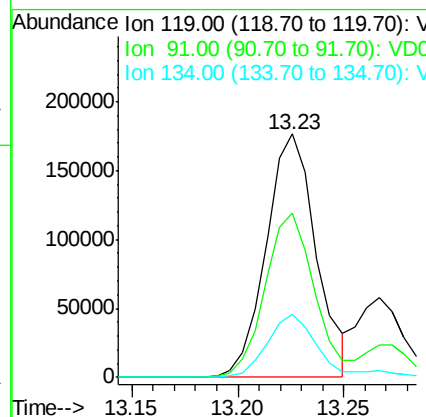
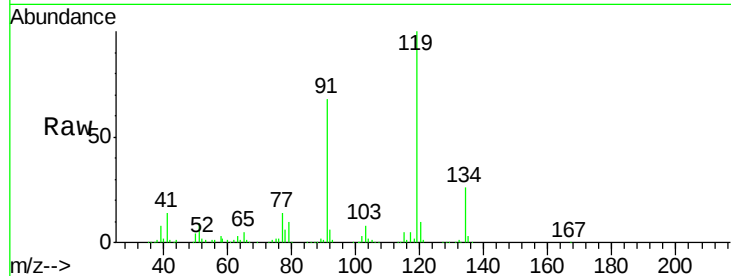
#83
tert-Butylbenzene
Concen: 20.554 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	290775		
91	67.4		33.6	100.8
134	25.1		13.5	40.4

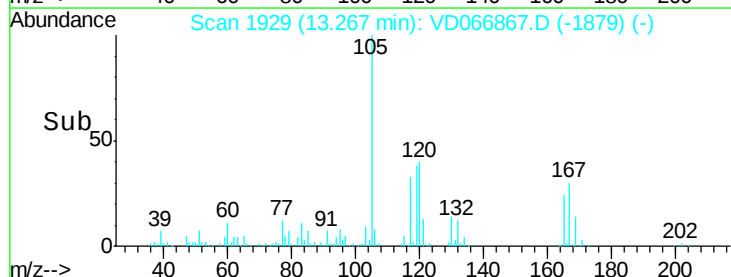
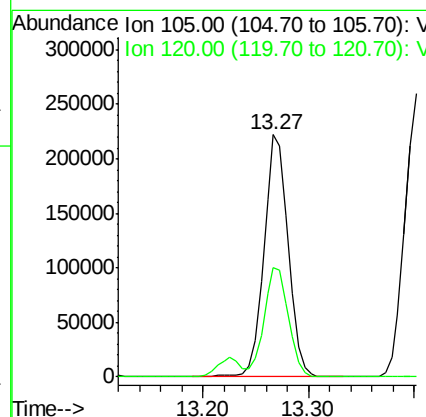
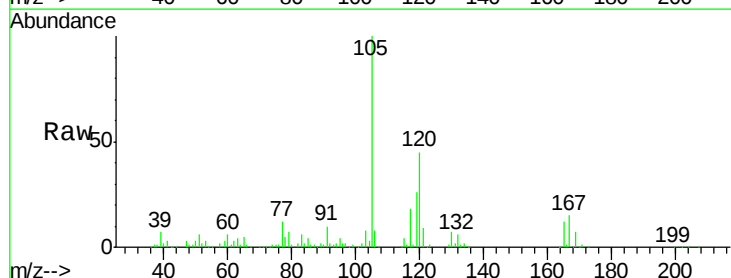
Manual Integrations
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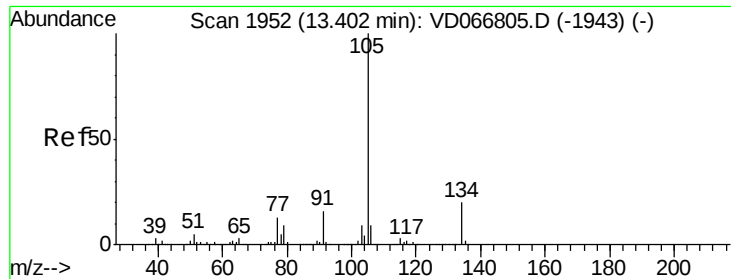
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.759 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	354391		
120	45.1		22.3	66.9





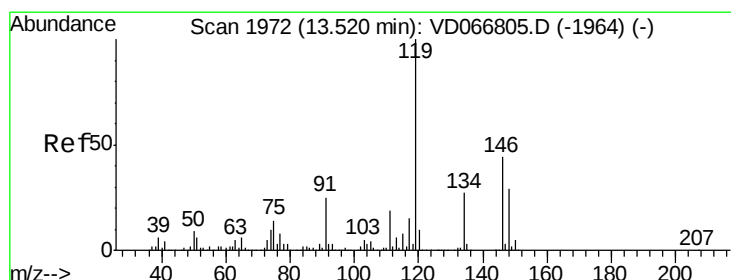
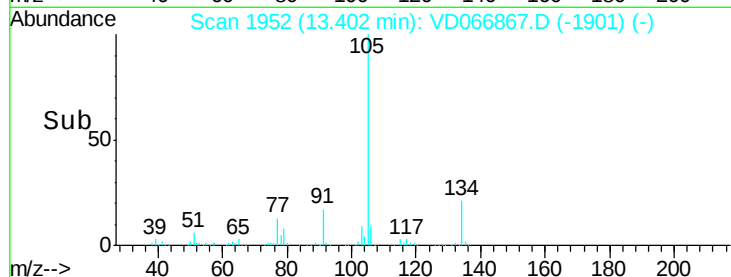
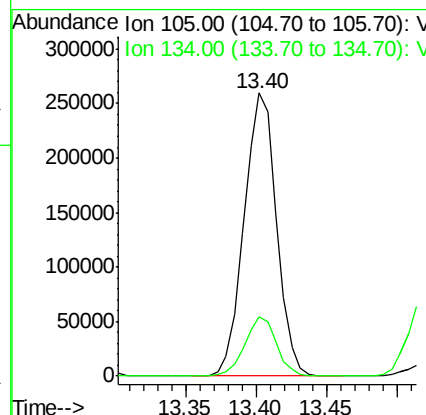
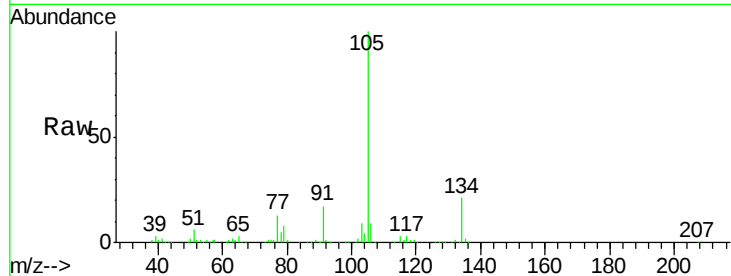
#85
 sec-Butylbenzene
 Concen: 20.468 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.6

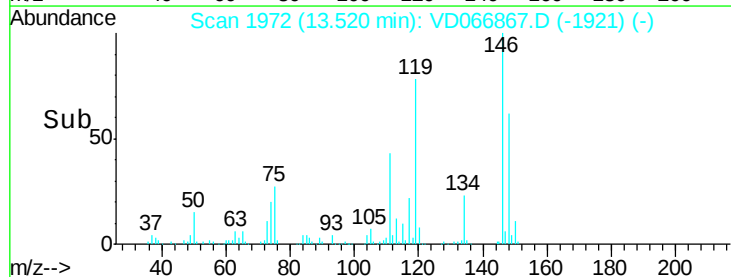
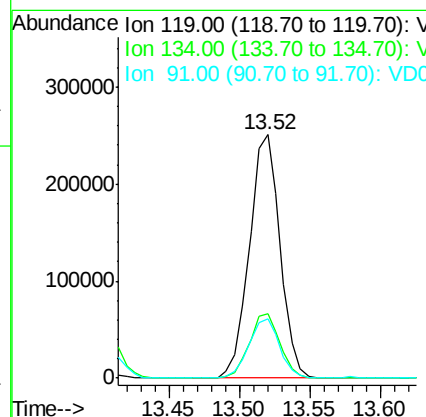
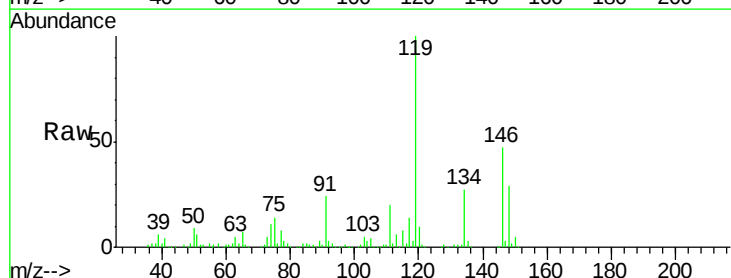
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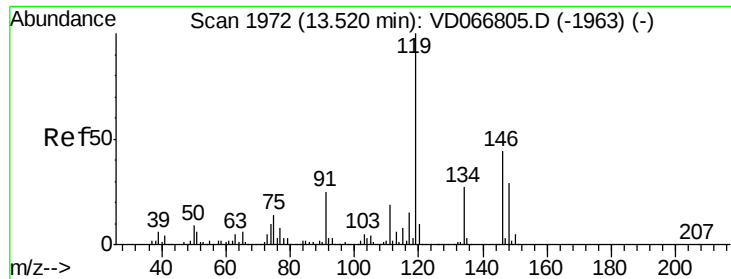
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#86
 p-Isopropyltoluene
 Concen: 20.809 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.0	38.9
91	24.2	12.0	36.1





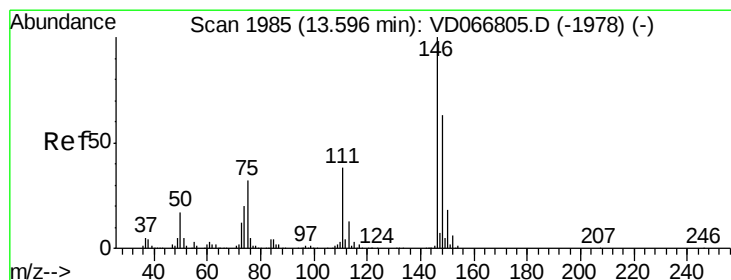
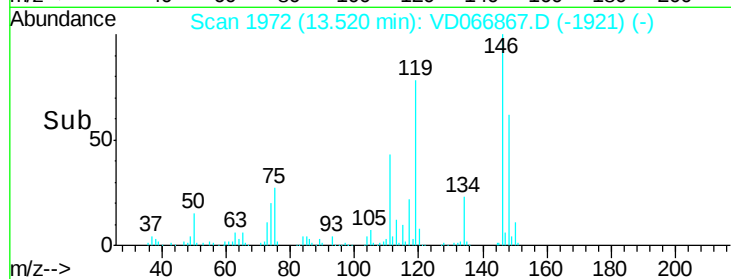
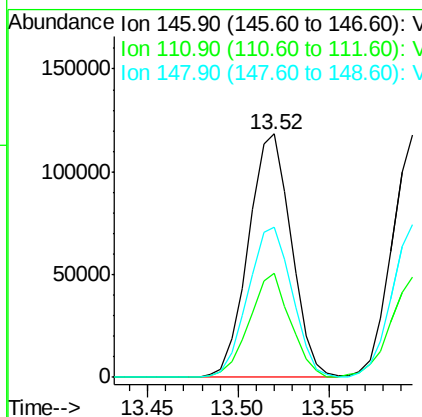
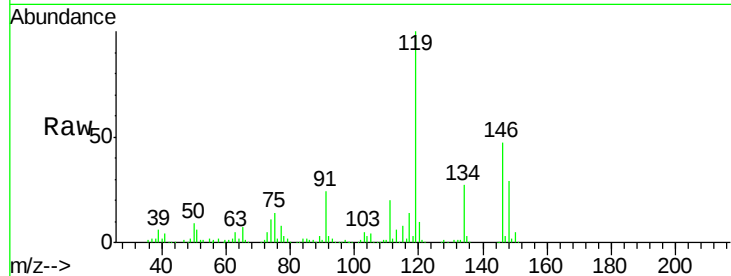
#87
 1,3-Dichlorobenzene
 Concen: 20.790 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	194907		
111	40.9	20.3	60.9	
148	63.8	31.9	95.5	

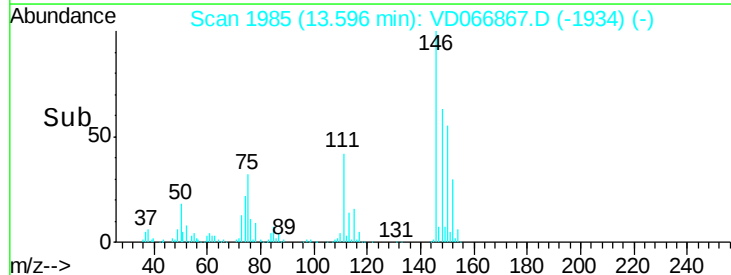
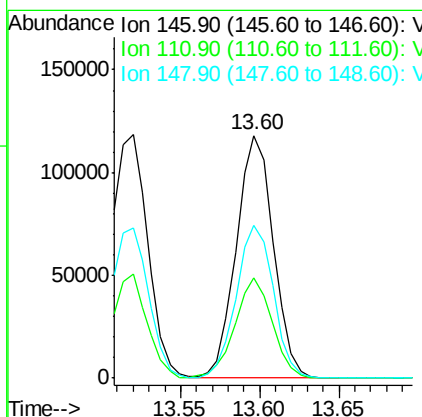
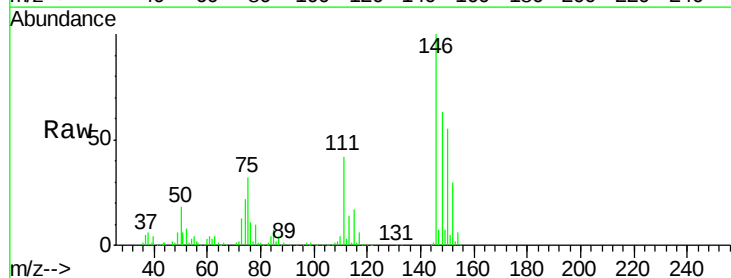
Manual Integrations
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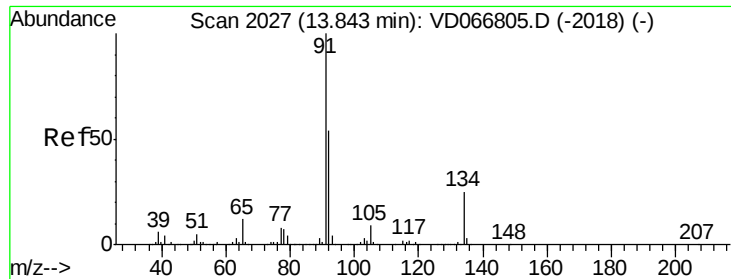
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#88
 1,4-Dichlorobenzene
 Concen: 20.598 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	191794		
111	41.5	20.2	60.5	
148	63.3	31.6	94.7	





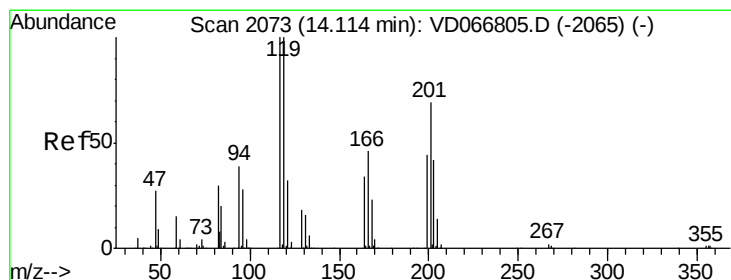
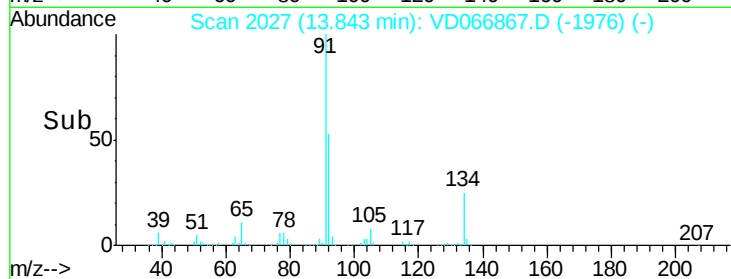
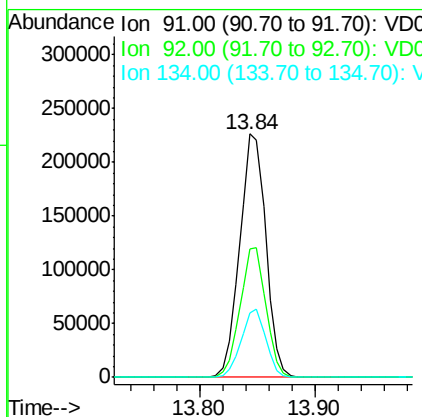
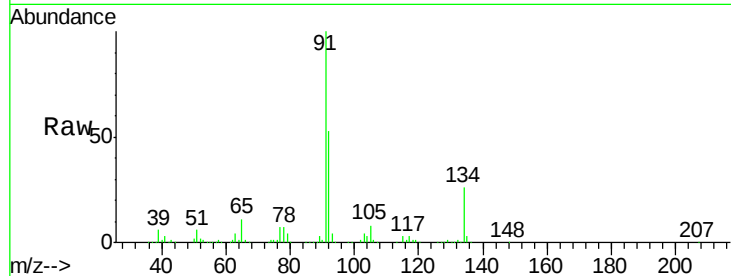
#89
n-Butylbenzene
Concen: 20.434 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	26.7	80.0	
134	26.4	13.1	39.1	

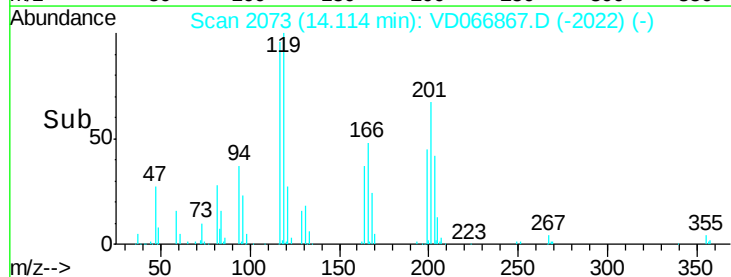
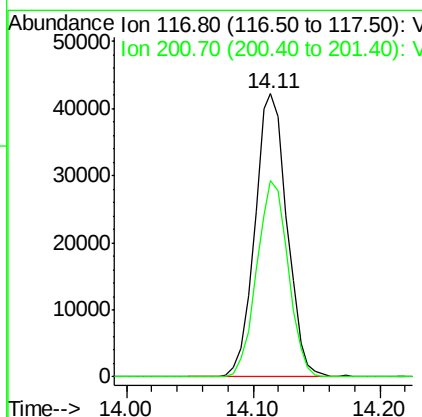
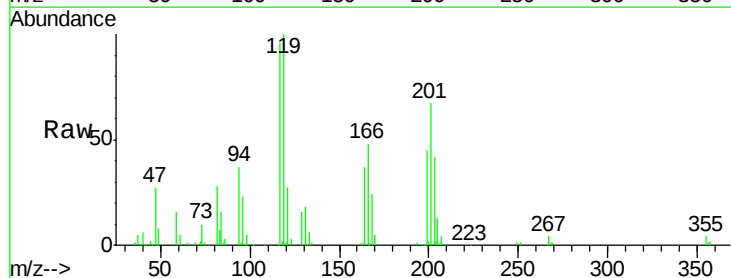
Manual Integrations
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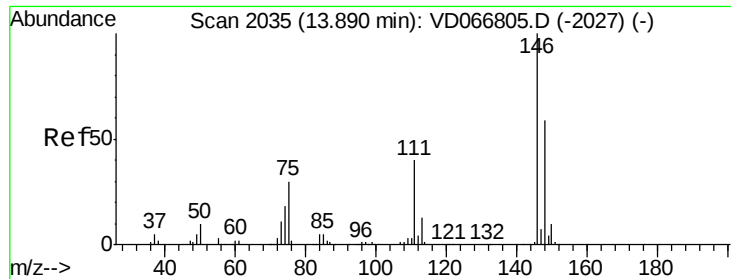
MMDadoda
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#90
Hexachloroethane
Concen: 20.017 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	67.7	33.7	101.0	





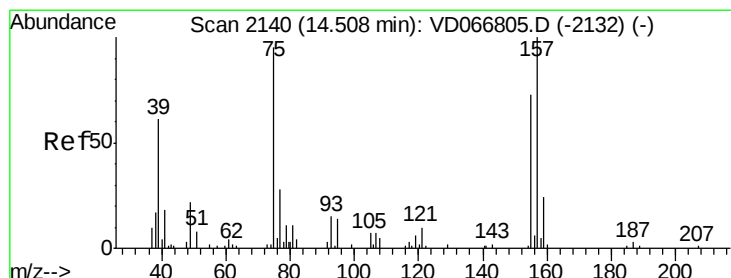
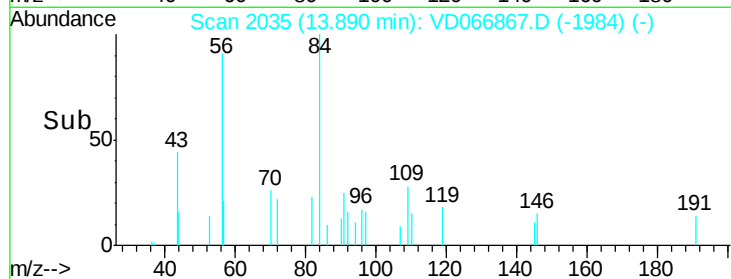
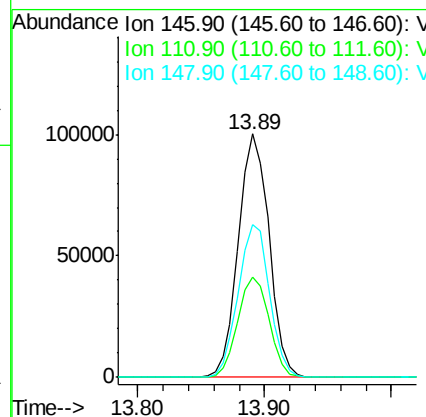
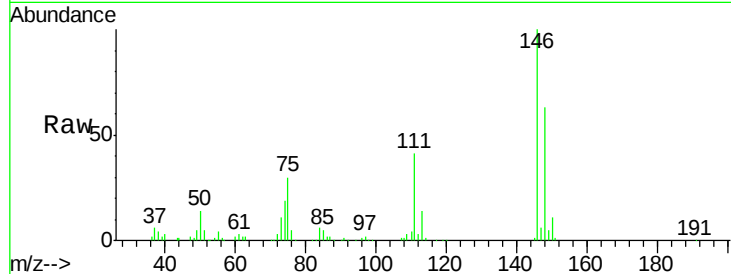
#91
 1,2-Dichlorobenzene
 Concen: 20.952 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168051		
111	42.0		20.9	62.7
148	64.1		31.8	95.3

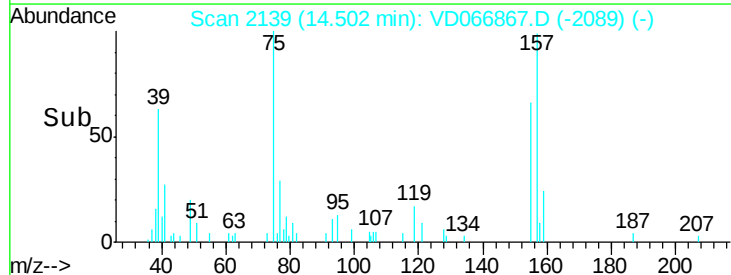
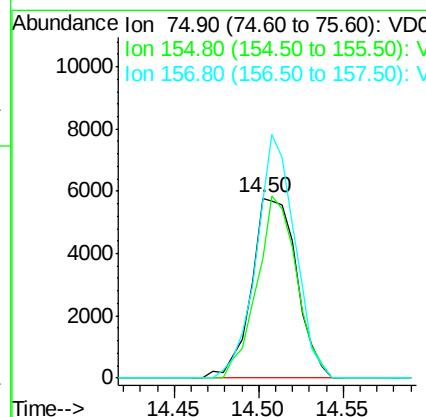
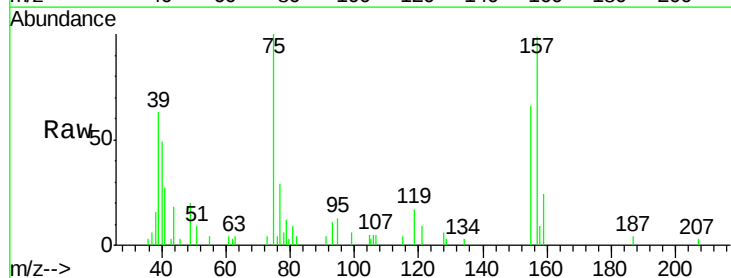
Manual Integrations
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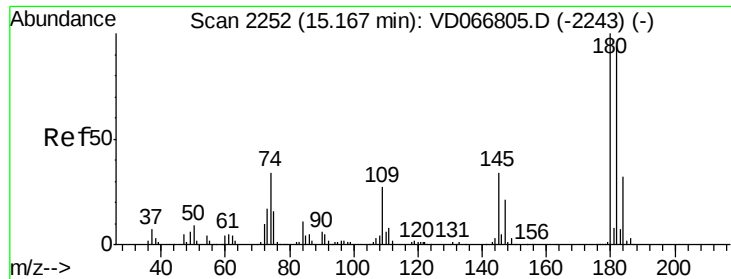
MMDadoda
 9/29/2020 11:45:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.043 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10725		
155	88.8		40.4	121.2
157	115.5		51.3	153.9





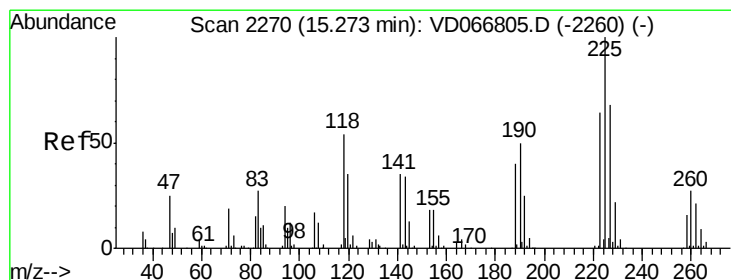
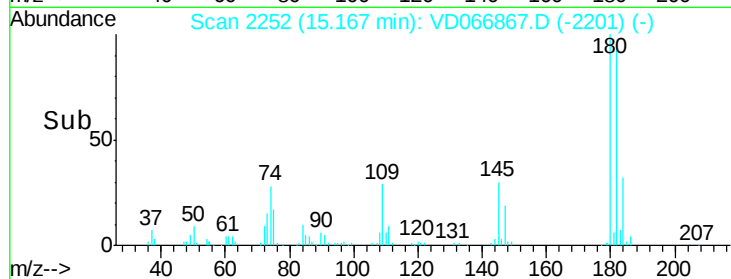
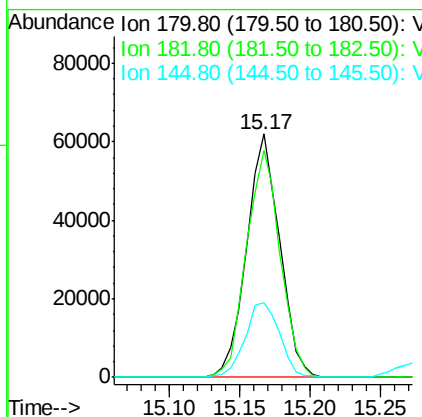
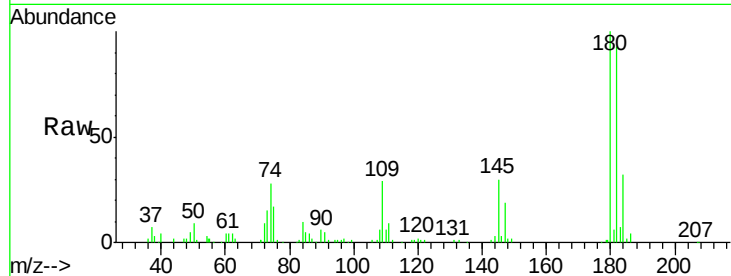
#93
 1,2,4-Trichlorobenzene
 Concen: 20.233 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102158		
182	94.8	48.8	146.3	
145	32.2	16.7	50.0	

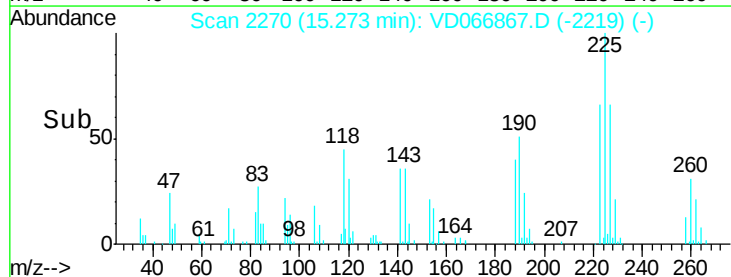
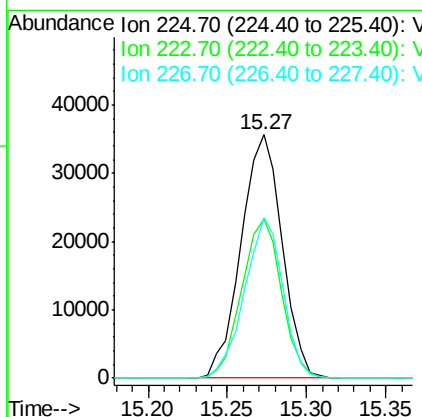
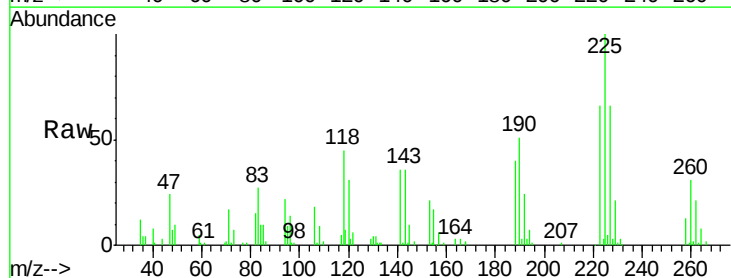
Manual Integrations
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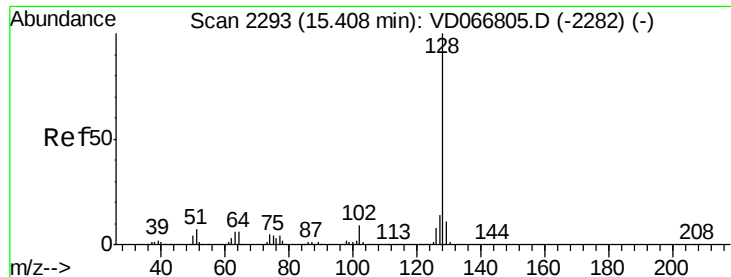
MMDadoda
 9/29/2020 11:45:17 AM



#94
 Hexachlorobutadiene
 Concen: 21.231 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066867.D
 Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64239		
223	63.2	31.1	93.3	
227	61.4	31.7	95.1	





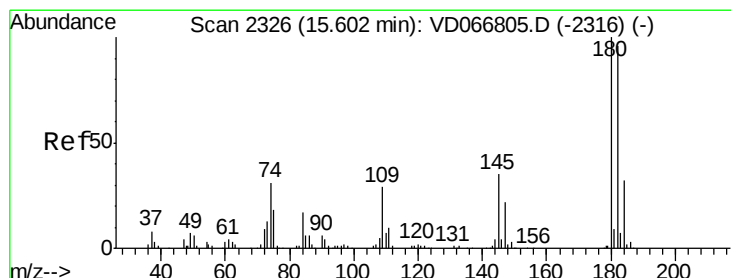
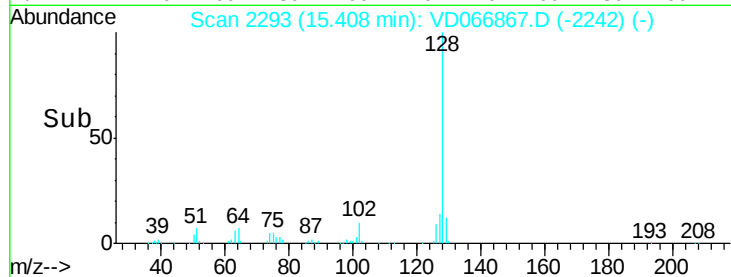
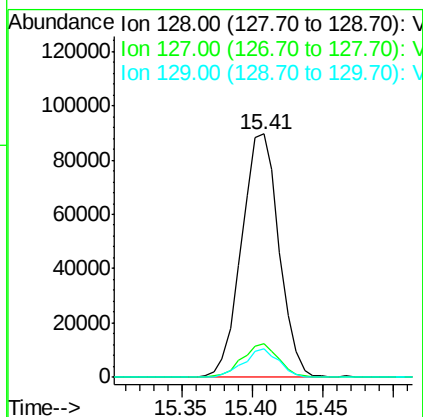
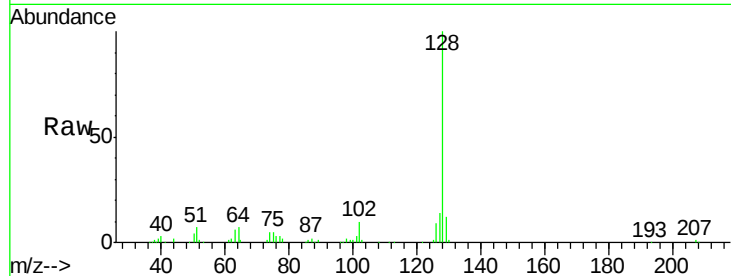
#95
Naphthalene
Concen: 19.480 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.8	8.9	13.3

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.455 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066867.D
Acq: 25 Sep 2020 12:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.8	140.3
145	33.3	17.0	51.0

