

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012720\
 Data File : VD064960.D
 Acq On : 27 Jan 2020 13:33
 Operator : VA/SY
 Sample : VD0127SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 3:40:06 PM

Quant Time: Jan 27 14:08:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	468324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	692500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	607298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	235197	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	7.92	113	224657	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.34	98	892245	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
62) 4-Bromofluorobenzene	12.64	95	273407	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72821	20.640	ug/l	97
3) Chloromethane	2.21	50	111550	21.573	ug/l	100
4) Vinyl Chloride	2.35	62	126631	21.322	ug/l	96
5) Bromomethane	2.76	94	82617	20.680	ug/l	97
6) Chloroethane	2.92	64	82029	20.950	ug/l	98
7) Trichlorofluoromethane	3.27	101	192047	20.938	ug/l	98
8) Diethyl Ether	3.70	74	43207	20.867	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95860	22.464	ug/l	97
10) Methyl Iodide	4.30	142	89074	19.665	ug/l	97
11) Tert butyl alcohol	5.26	59	24273	97.779	ug/l	98
12) 1,1-Dichloroethene	4.06	96	88037	21.595	ug/l	99
13) Acrolein	3.92	56	27541	88.499	ug/l	97
14) Allyl chloride	4.71	41	141680	21.791	ug/l	98
15) Acrylonitrile	5.43	53	93936	104.762	ug/l	100
16) Acetone	4.17	43	97759	91.162	ug/l	95
17) Carbon Disulfide	4.40	76	288747	21.521	ug/l	99
18) Methyl Acetate	4.73	43	46631	22.164	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	187770	20.614	ug/l	97
20) Methylene Chloride	4.97	84	109983	21.534	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	102448	21.812	ug/l	94
22) Diisopropyl ether	6.37	45	277665	21.428	ug/l	98
23) Vinyl Acetate	6.31	43	773841	102.001	ug/l	99
24) 1,1-Dichloroethane	6.27	63	171408	21.545	ug/l	97
25) 2-Butanone	7.22	43	121219	99.880	ug/l	94
26) 2,2-Dichloropropane	7.21	77	153586	21.283	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	106679	21.280	ug/l	99
28) Bromochloromethane	7.55	49	56139	17.644	ug/l	99
29) Tetrahydrofuran	7.57	42	74701	99.758	ug/l	99
30) Chloroform	7.71	83	174795	21.254	ug/l	94
31) Cyclohexane	7.98	56	164639	21.036	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	162949	21.298	ug/l	99
36) 1,1-Dichloropropene	8.11	75	139217	20.848	ug/l	99
37) Ethyl Acetate	7.30	43	54722	19.839	ug/l	97
38) Carbon Tetrachloride	8.10	117	148353	21.019	ug/l	94

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 Sample : VD0127SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0127SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 3:40:06 PM

Quant Time: Jan 27 14:08:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164959	21.130	ug/l	95
40) Benzene	8.35	78	382871	20.818	ug/l	99
41) Methacrylonitrile	7.53	41	30066	20.235	ug/l	92
42) 1,2-Dichloroethane	8.43	62	113345	20.689	ug/l	97
43) Isopropyl Acetate	8.46	43	105970	20.226	ug/l	99
44) Trichloroethene	9.11	130	108491	21.078	ug/l	97
45) 1,2-Dichloropropane	9.39	63	94971	21.301	ug/l	99
46) Dibromomethane	9.48	93	49924	20.510	ug/l	97
47) Bromodichloromethane	9.67	83	135199	21.346	ug/l	98
48) Methyl methacrylate	9.46	41	51541	21.377	ug/l	95
49) 1,4-Dioxane	9.47	88	11216	397.300	ug/l #	92
51) 4-Methyl-2-Pentanone	10.24	43	263079	100.350	ug/l	99
52) Toluene	10.41	92	250202	21.101	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	124633	20.657	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	148098	20.966	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	67679	20.642	ug/l	96
56) Ethyl methacrylate	10.67	69	79572	20.295	ug/l	98
57) 1,3-Dichloropropane	10.95	76	117932	20.971	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	131652	101.069	ug/l	99
59) 2-Hexanone	10.99	43	176337	97.515	ug/l	99
60) Dibromochloromethane	11.15	129	88442	20.182	ug/l	98
61) 1,2-Dibromoethane	11.25	107	64936	20.568	ug/l	100
64) Tetrachloroethene	10.88	164	92594	21.099	ug/l	96
65) Chlorobenzene	11.68	112	261525	21.210	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	95672	20.631	ug/l	99
67) Ethyl Benzene	11.75	91	457695	20.908	ug/l	95
68) m/p-Xylenes	11.86	106	355807	42.215	ug/l	98
69) o-Xylene	12.18	106	155862	20.836	ug/l	100
70) Styrene	12.20	104	279962	21.010	ug/l	99
71) Bromoform	12.37	173	52707	20.447	ug/l #	99
73) Isopropylbenzene	12.48	105	445414	22.202	ug/l	99
74) N-amyl acetate	12.30	43	89573	19.953	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	71694	21.262	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	48342m	19.842	ug/l	
77) Bromobenzene	12.77	156	105251	21.442	ug/l	99
78) n-propylbenzene	12.83	91	527510	22.110	ug/l	99
79) 2-Chlorotoluene	12.91	91	281736	21.525	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	355602	21.629	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	23984	21.020	ug/l	99
82) 4-Chlorotoluene	13.01	91	299528	21.579	ug/l	100
83) tert-Butylbenzene	13.23	119	300839	21.562	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	363461	21.823	ug/l	99
85) sec-Butylbenzene	13.41	105	425460	21.537	ug/l	100
86) p-Isopropyltoluene	13.53	119	404270	21.869	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	202123	21.460	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	197375	21.114	ug/l	98
89) n-Butylbenzene	13.86	91	368721	21.856	ug/l	100
90) Hexachloroethane	14.12	117	76291	21.401	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	170397	21.311	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11370	21.071	ug/l	98

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBSD01

Manual Integrations
APPROVED

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Quant Time: Jan 27 14:08:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123061	22.247	ug/l	99
94) Hexachlorobutadiene	15.28	225	76744	21.934	ug/l	97
95) Naphthalene	15.41	128	189217	21.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	103150	21.506	ug/l	97

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

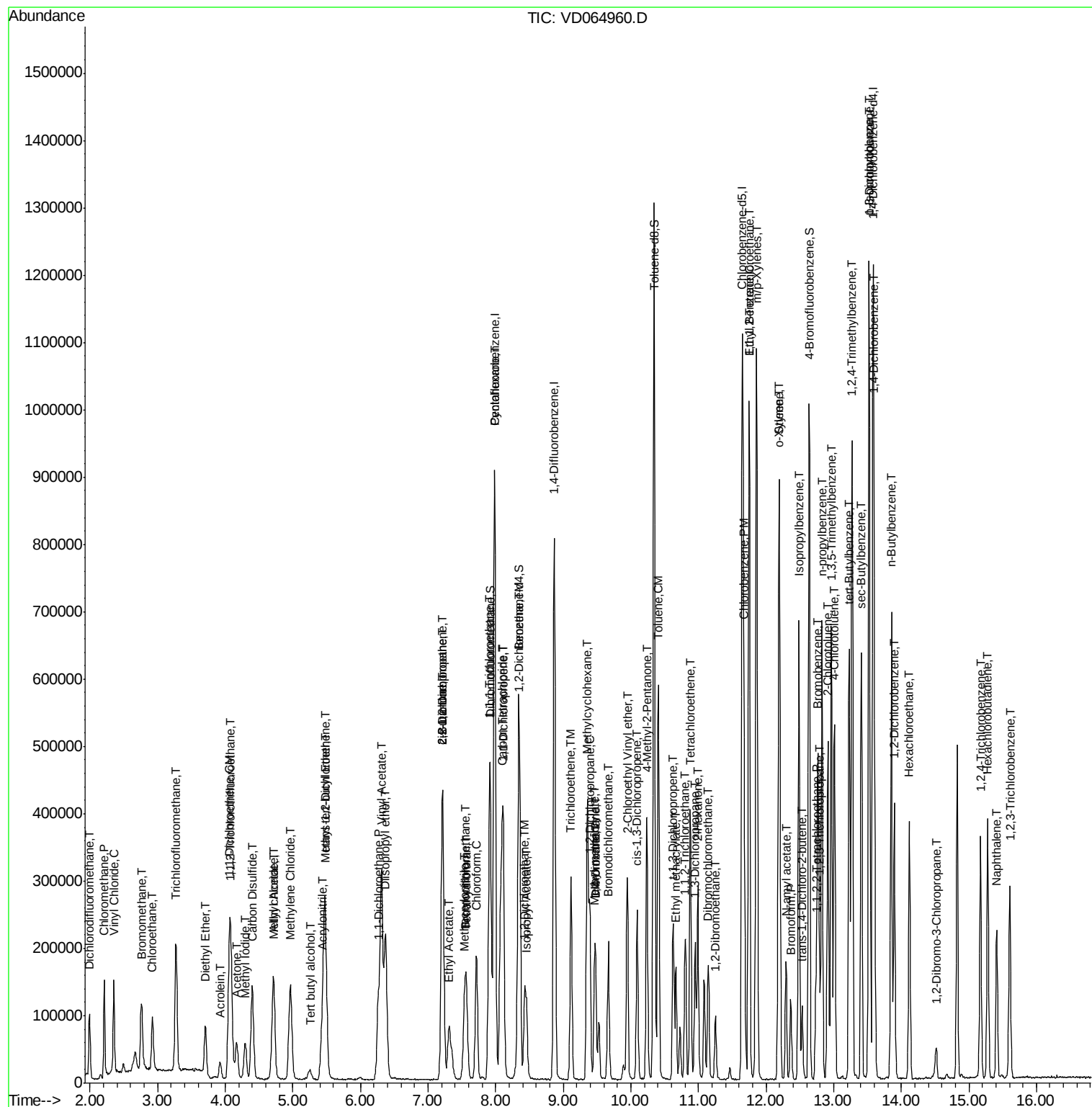
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD012720\
Data File : VD064960.D
Acq On : 27 Jan 2020 13:33
Operator : VA/SY
Sample : VD0127SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

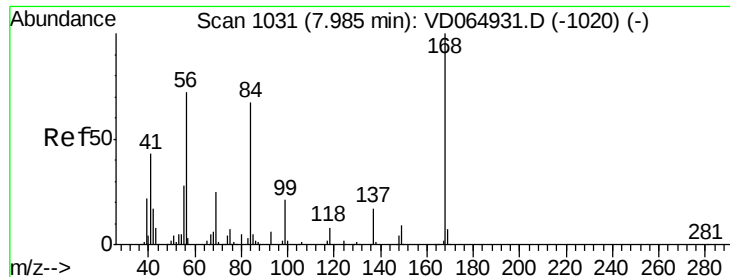
Instrument :
MSVOA_D
Client Sample Id :
VD0127SBS01

Manual Integrations
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1/28/2020 3:40:06 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBSD01

Tot Ion:168 Resp: 468324

Ion Ratio Lower Upper

168 100

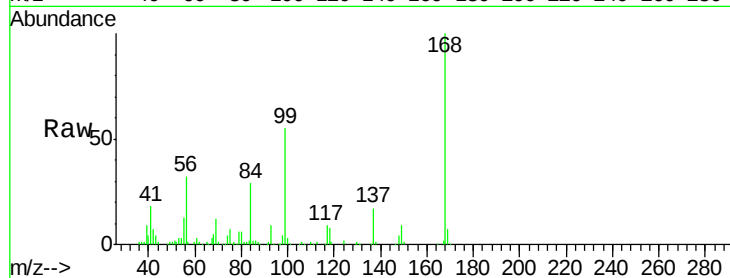
99 54.4 43.3 64.9

Manual Integrations

APPROVED

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1/28/2020 3:40:06 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

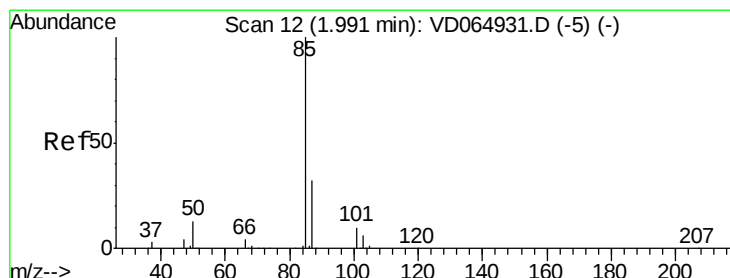
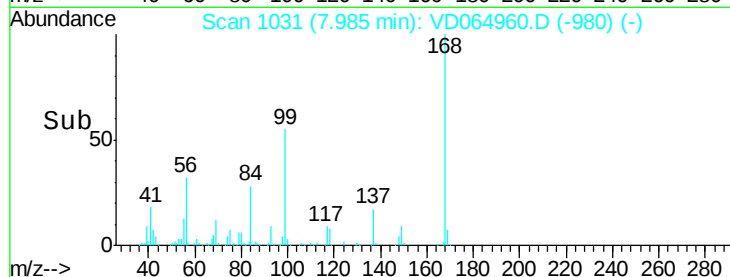
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50000

0

7.90 8.00 8.10 8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.640 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064960.D

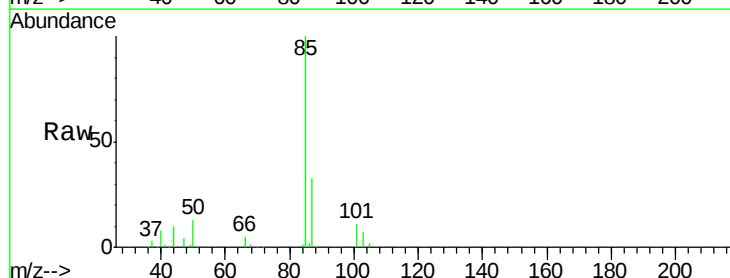
Acq: 27 Jan 2020 13:33

Tgt Ion: 85 Resp: 72821

Ion Ratio Lower Upper

85 100

87 33.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

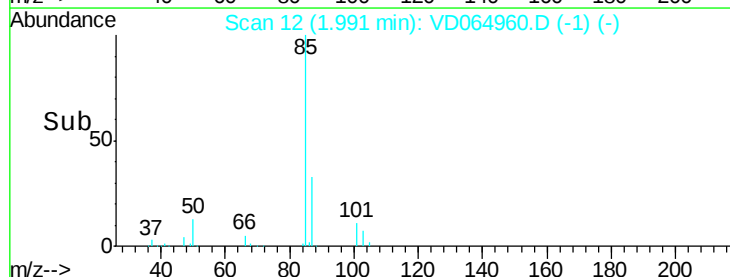
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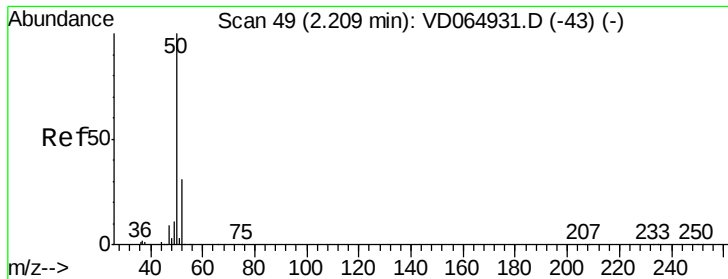
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.573 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 50 Resp: 111550

Ion Ratio Lower Upper

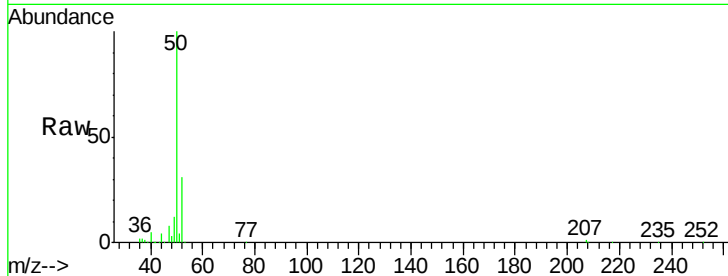
50 100

52 30.8 24.6 36.8

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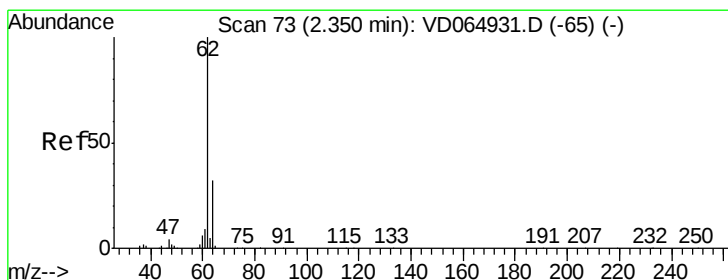
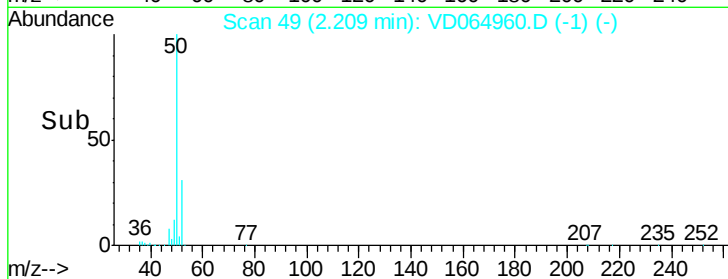
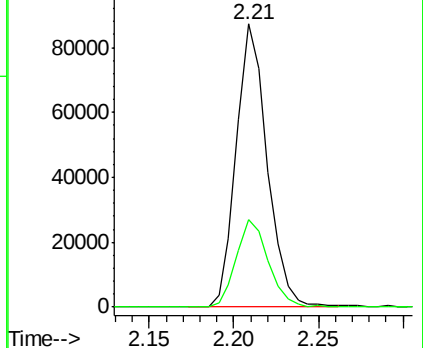
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.322 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064960.D

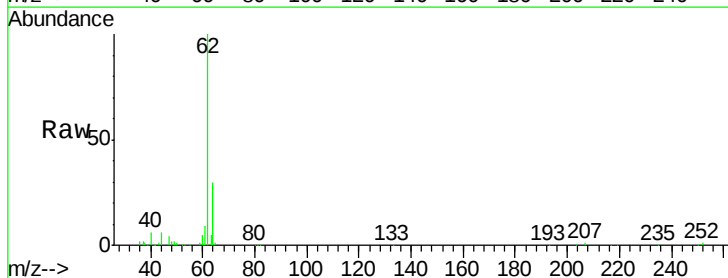
Acq: 27 Jan 2020 13:33

Tgt Ion: 62 Resp: 126631

Ion Ratio Lower Upper

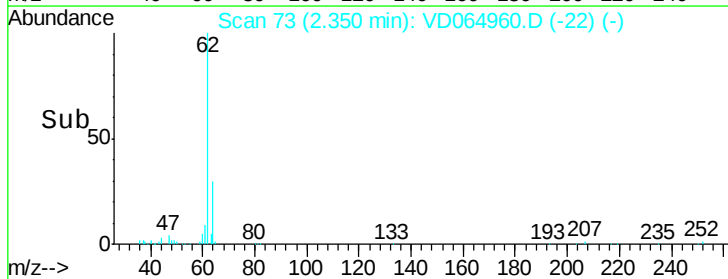
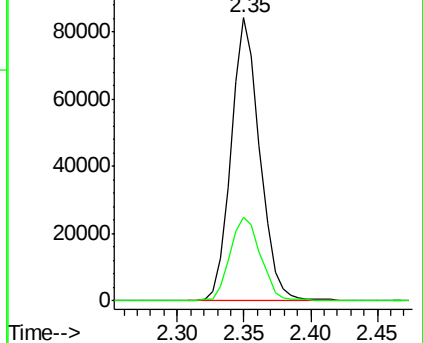
62 100

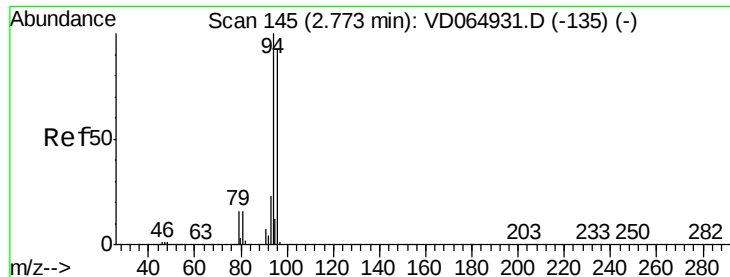
64 29.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.680 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 94 Resp: 82617

Ion Ratio Lower Upper

94 100

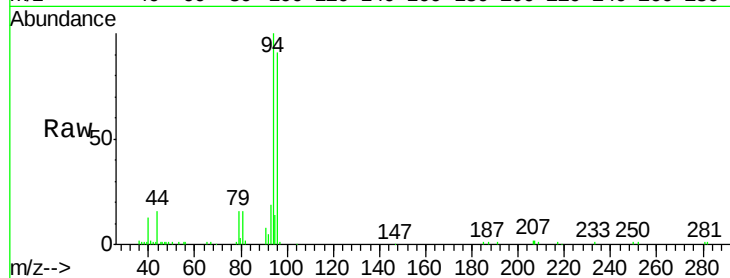
96 90.1 74.6 111.8

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

40000

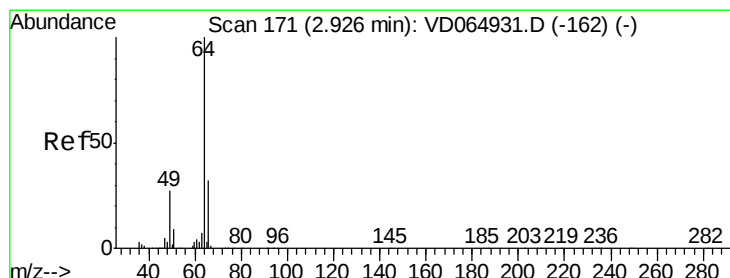
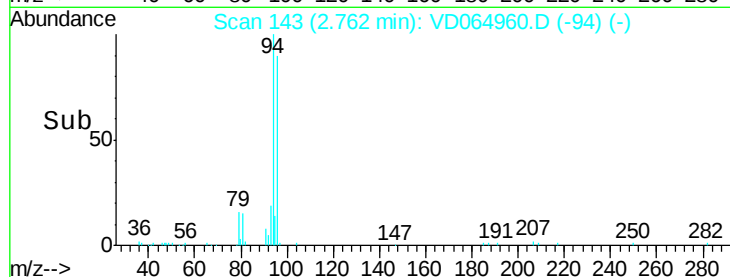
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20000

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0

Time-->



#6

Chloroethane

Concen: 20.950 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064960.D

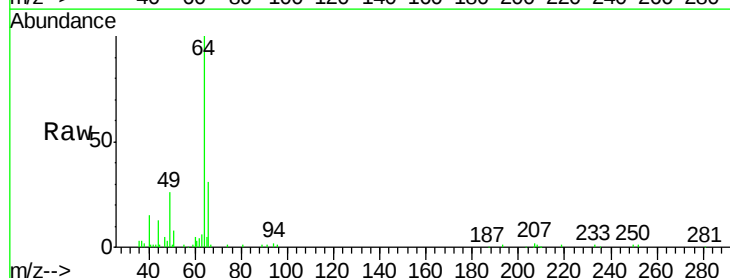
Acq: 27 Jan 2020 13:33

Tgt Ion: 64 Resp: 82029

Ion Ratio Lower Upper

64 100

66 30.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

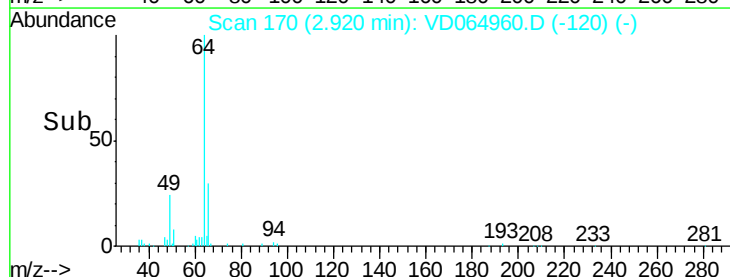
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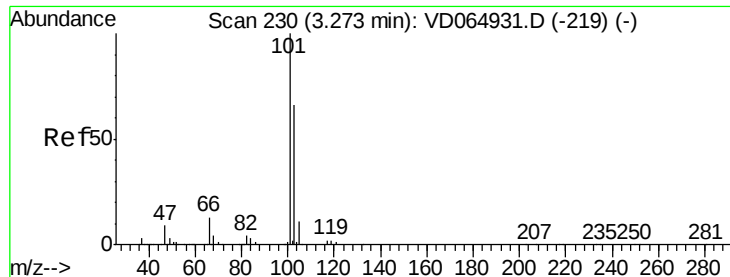
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10000

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Time-->





#7

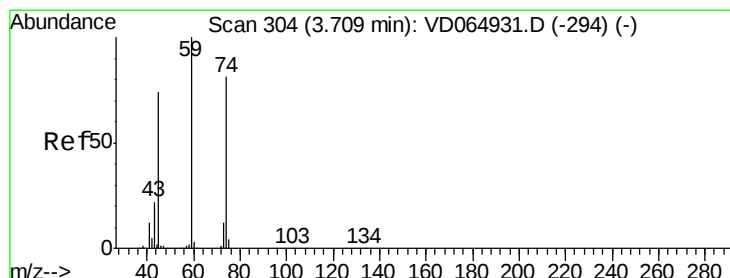
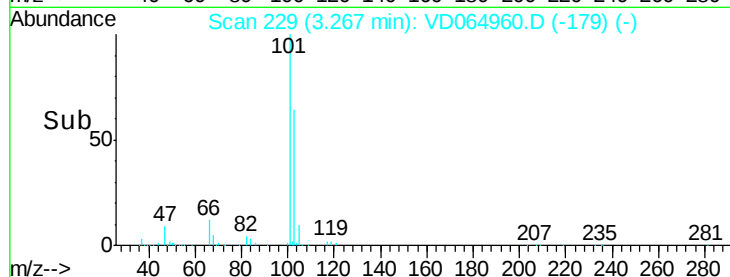
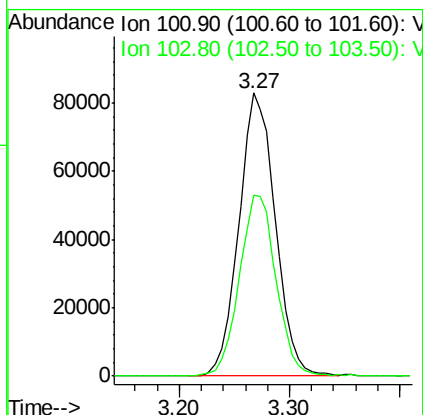
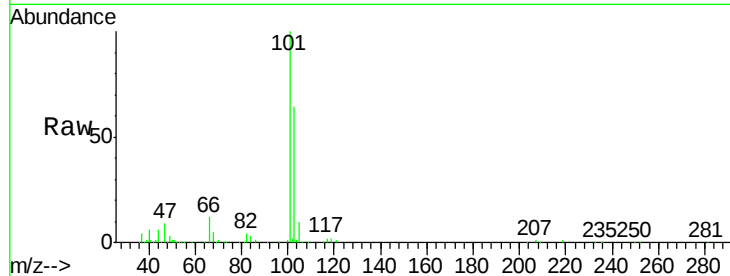
Trichlorofluoromethane
Concen: 20.938 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.5	78.7

Manual Integrations
APPROVED

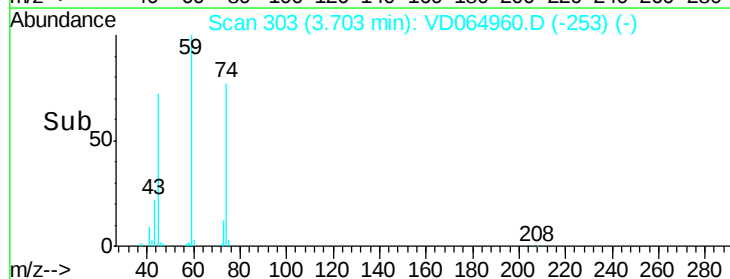
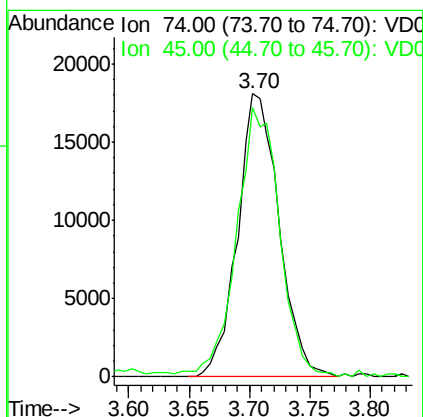
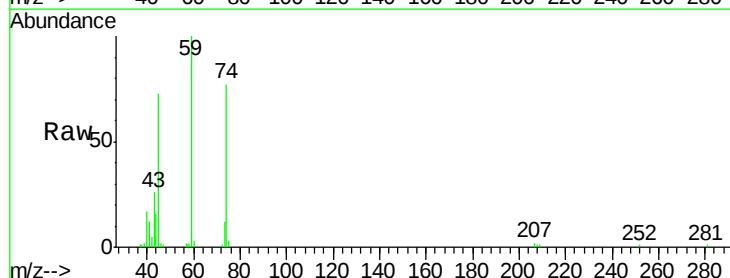
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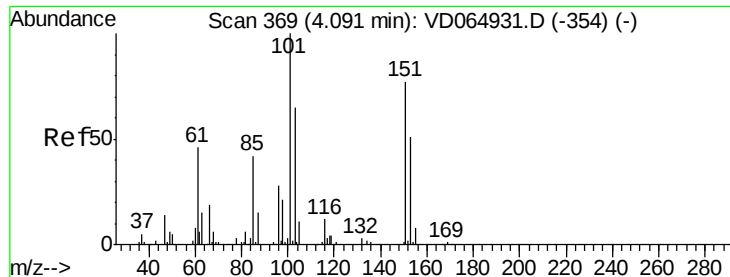


#8

Diethyl Ether
Concen: 20.867 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.464 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

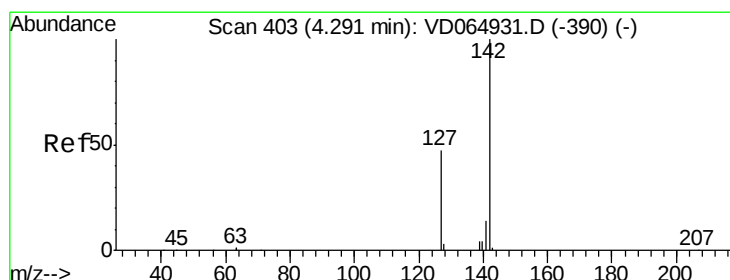
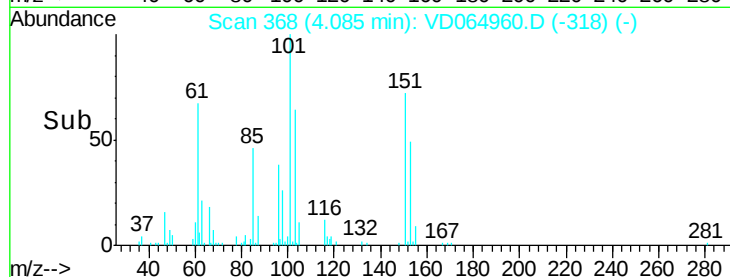
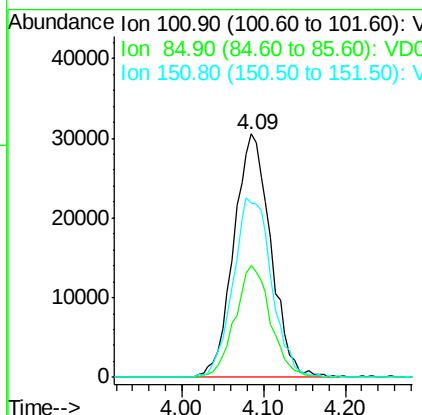
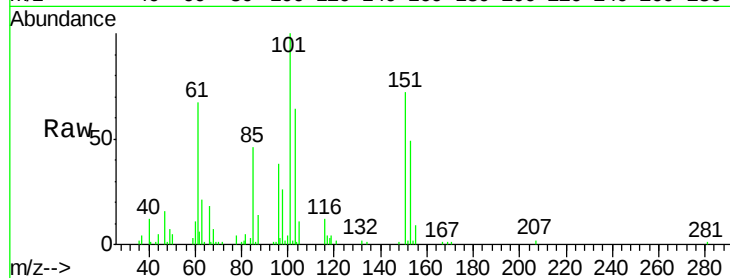
ClientSampleId :

VD0127SBSD01

Tot Ion:	101	Resp:	95860
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.0	52.4
151	76.9	64.6	96.8

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#10

Methyl Iodide

Concen: 19.665 ug/l

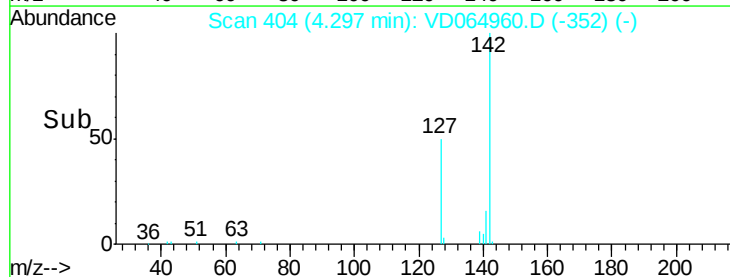
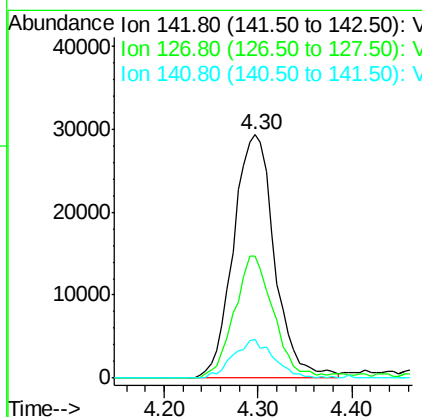
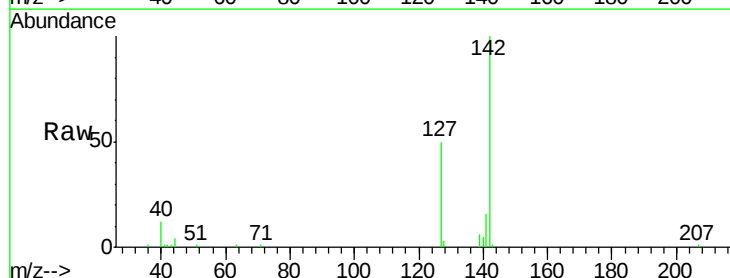
RT: 4.30 min Scan# 404

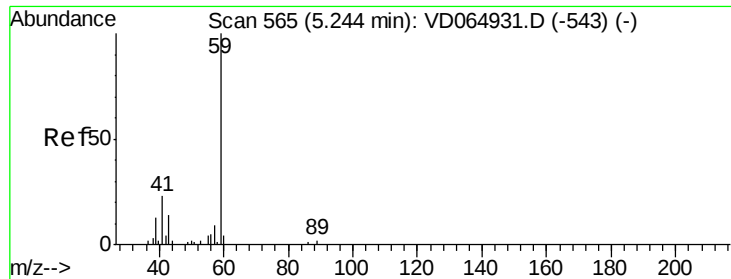
Delta R.T. 0.01 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Tgt Ion:	142	Resp:	89074
Ion Ratio	Lower	Upper	
142	100		
127	47.7	36.2	54.2
141	15.5	11.6	17.4





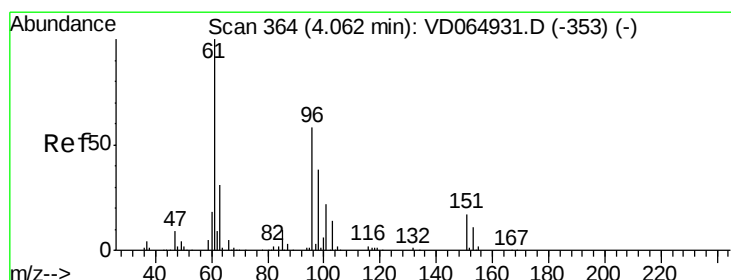
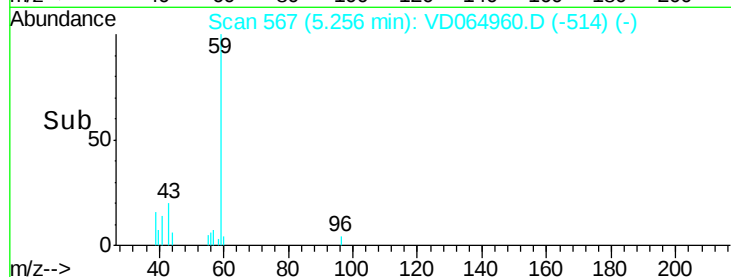
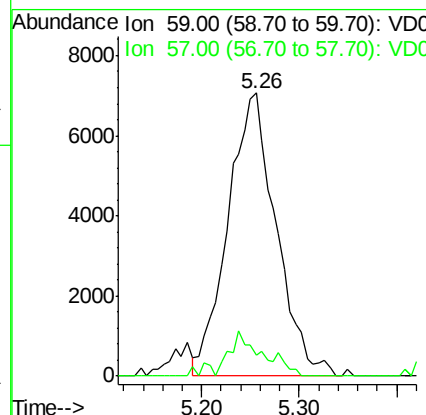
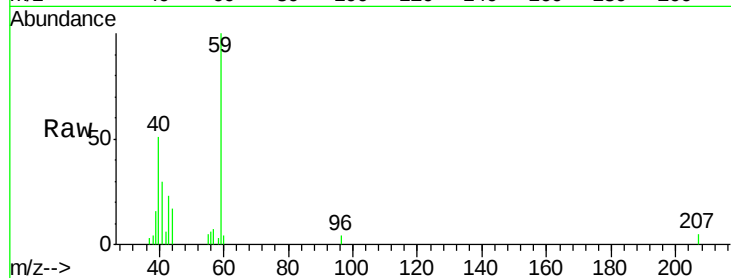
#11
Tert butyl alcohol
Concen: 97.779 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion: 59 Resp: 24273
Ion Ratio Lower Upper
59 100
57 9.0 7.7 11.5

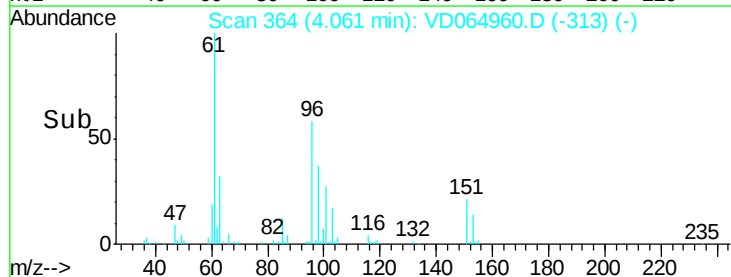
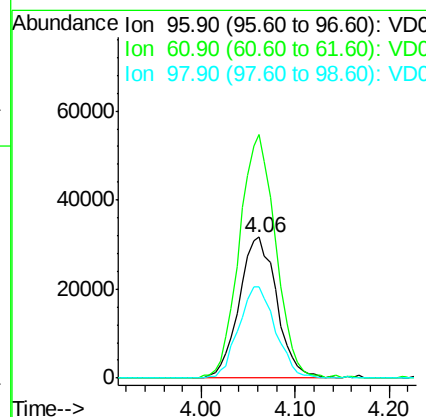
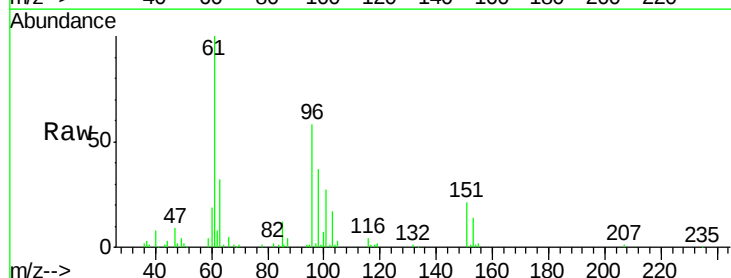
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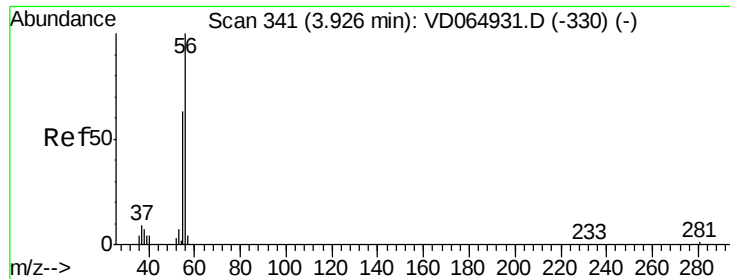
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.595 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion: 96 Resp: 88037
Ion Ratio Lower Upper
96 100
61 173.0 137.0 205.4
98 64.8 52.1 78.1





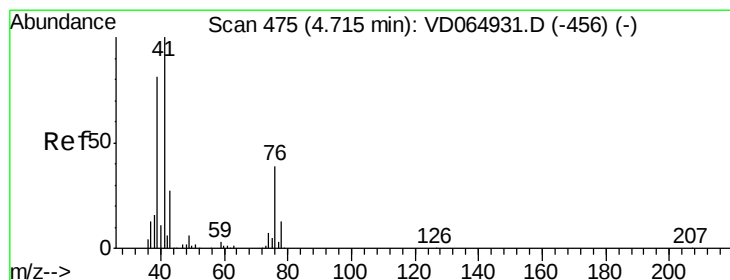
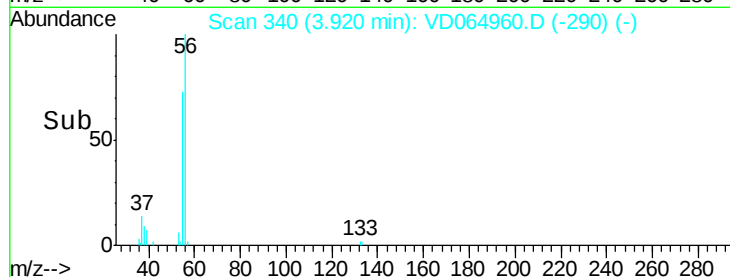
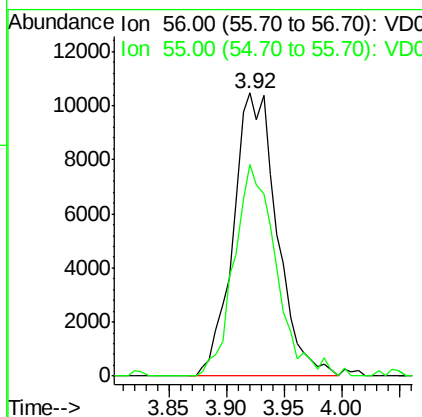
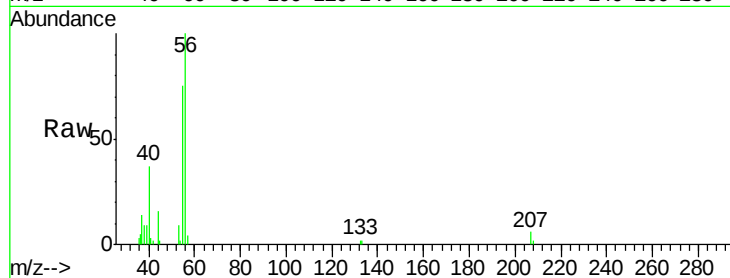
#13
Acrolein
Concen: 88.499 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.2	59.7	89.5

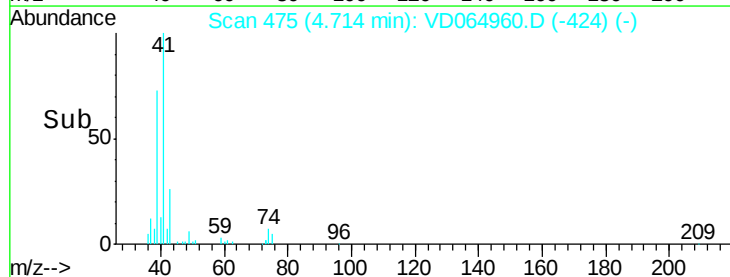
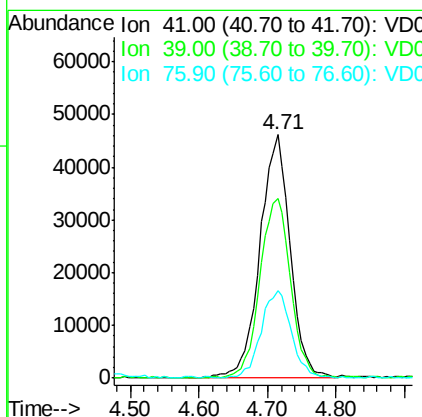
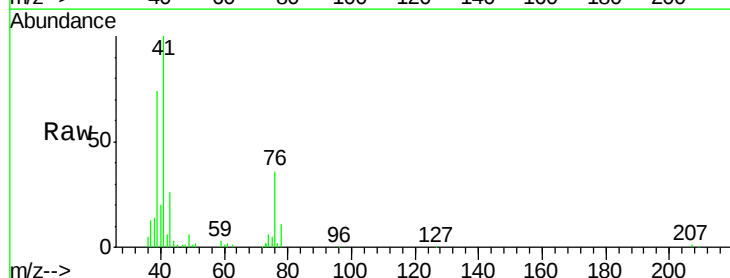
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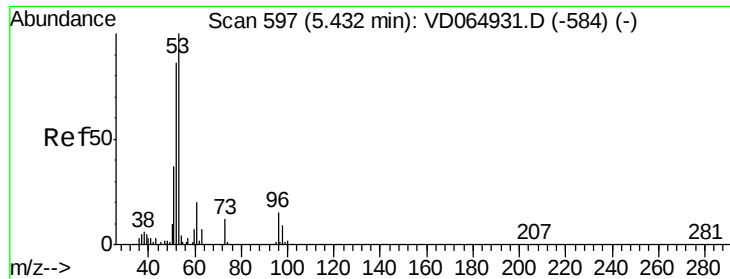
MMDadoda
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#14
Allyl chloride
Concen: 21.791 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.9	62.0	93.0
76	35.9	29.3	43.9





#15

Acrylonitrile

Concen: 104.762 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

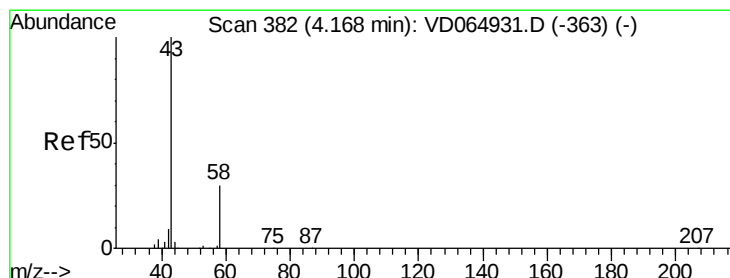
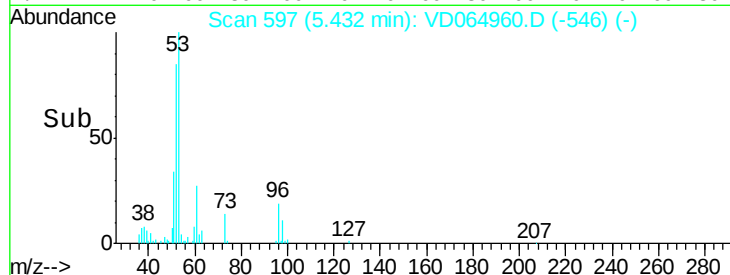
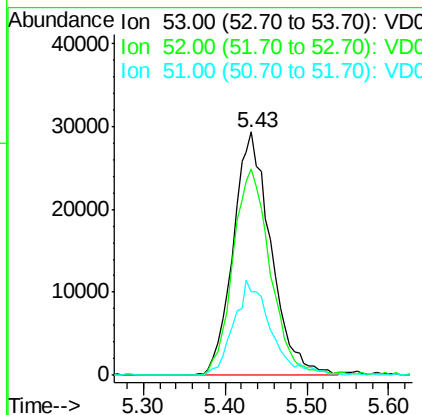
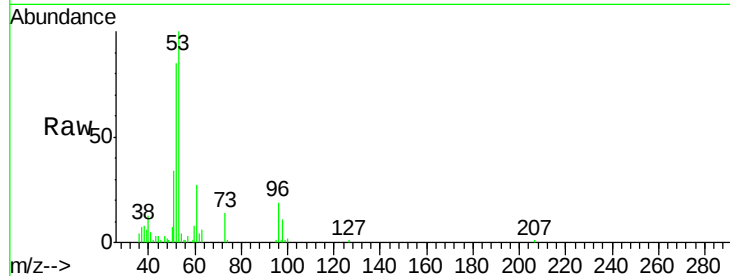
ClientSampleId :

VD0127SBS01

Tot Ion:	53	Resp:	93936
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.7	100.1
51	38.5	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 91.162 ug/l

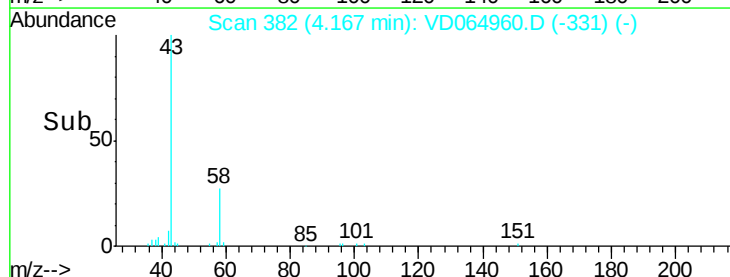
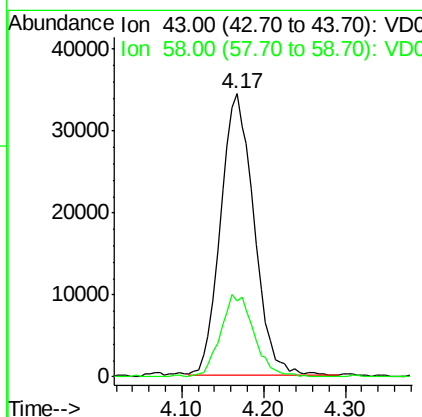
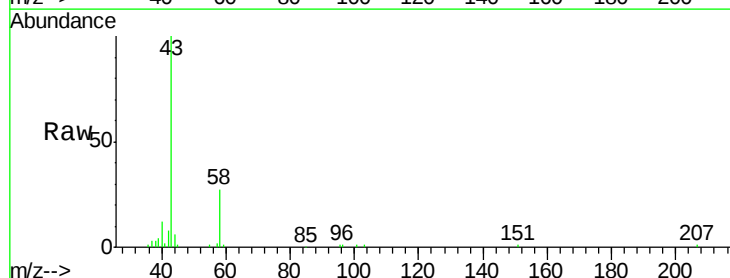
RT: 4.17 min Scan# 382

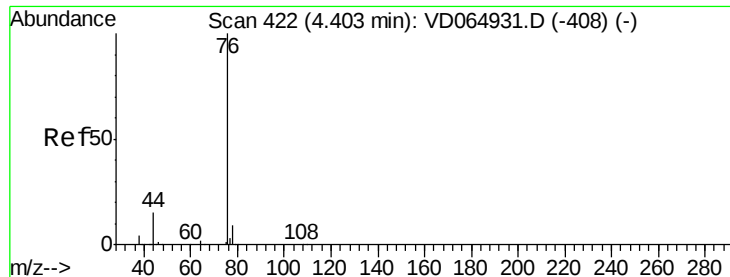
Delta R.T. 0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Tgt Ion:	43	Resp:	97759
Ion	Ratio	Lower	Upper
43	100		
58	27.2	23.8	35.8





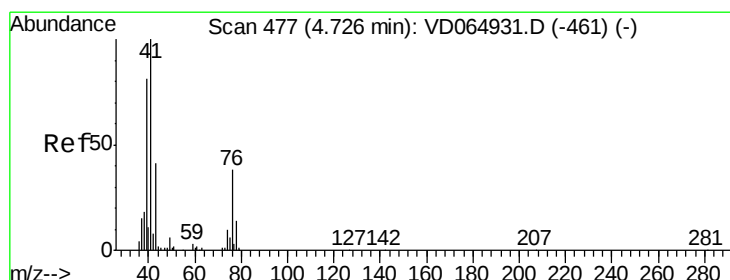
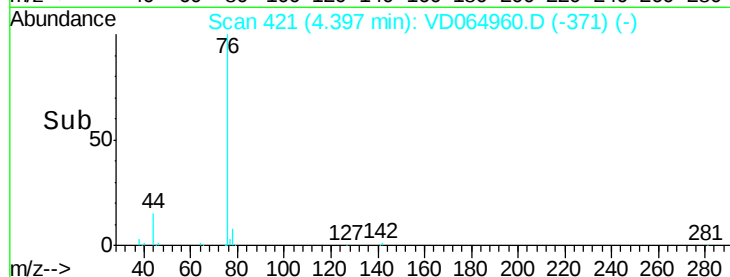
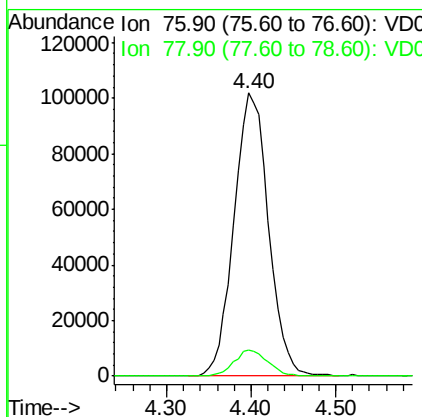
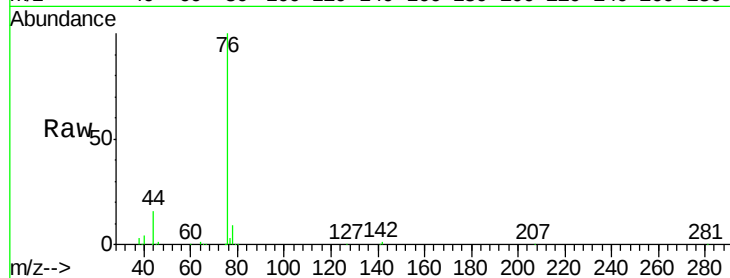
#17
Carbon Disulfide
Concen: 21.521 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

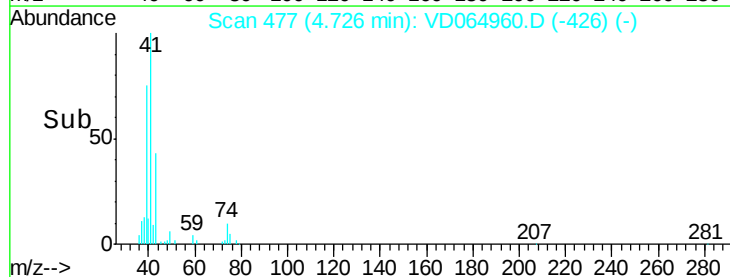
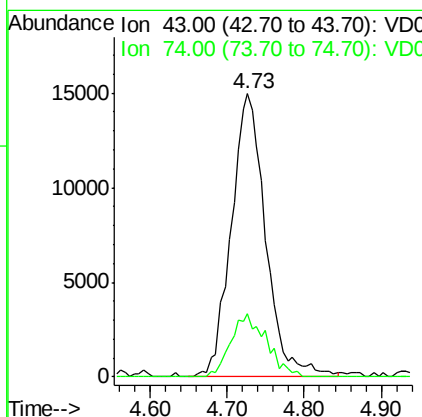
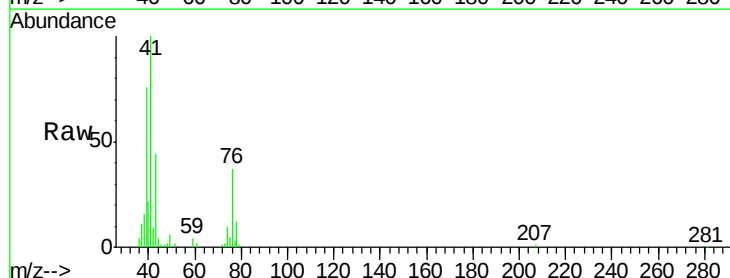
Manual Integrations
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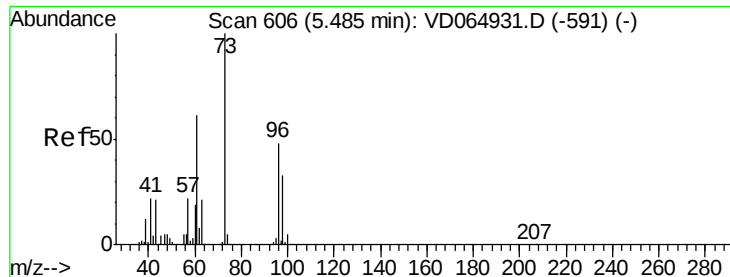
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#18
Methyl Acetate
Concen: 22.164 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.1	28.7





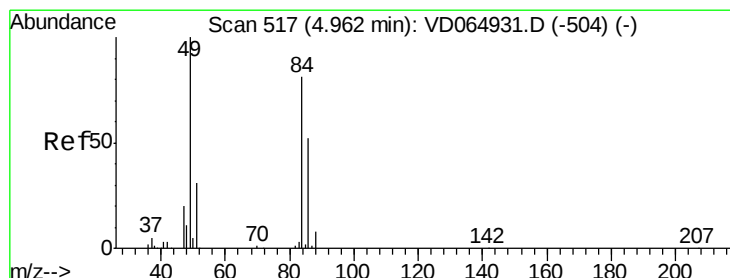
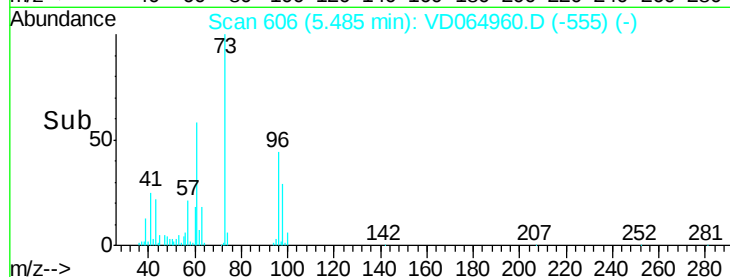
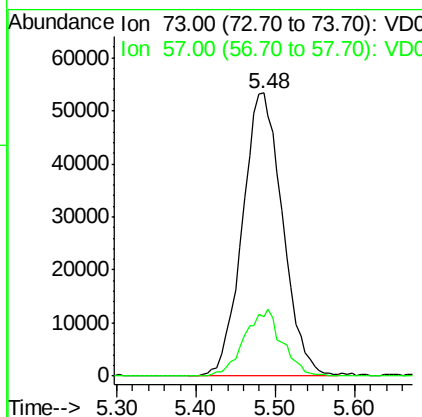
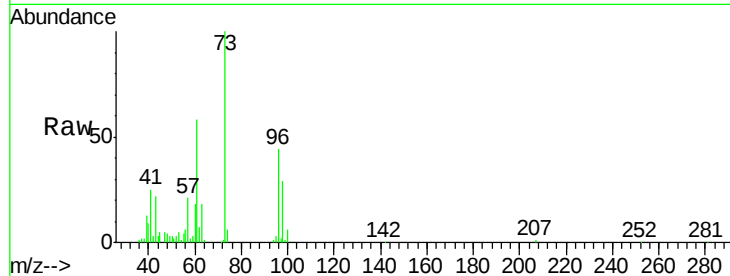
#19
Methvl tert-butvl Ether
Concen: 20.614 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion: 73 Resp: 187770
Ion Ratio Lower Upper
73 100
57 21.1 17.9 26.9

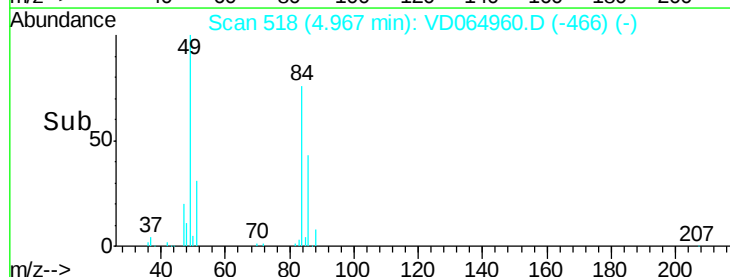
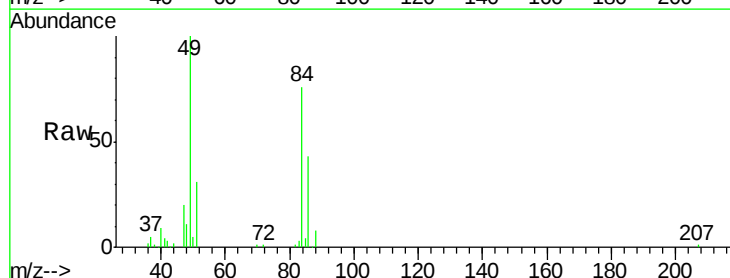
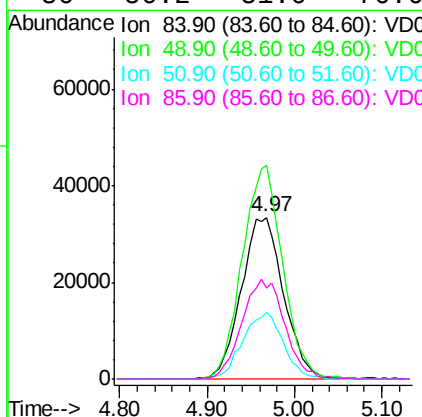
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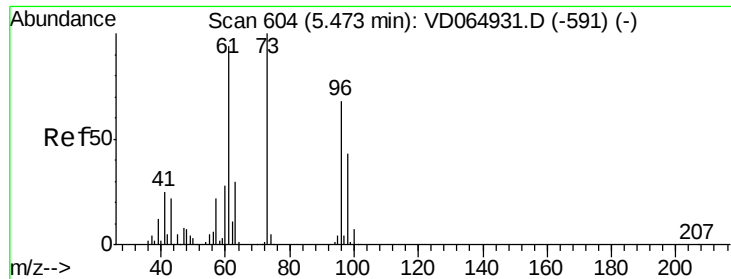
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#20
Methylene Chloride
Concen: 21.534 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion: 84 Resp: 109983
Ion Ratio Lower Upper
84 100
49 132.3 98.4 147.6
51 40.9 30.8 46.2
86 56.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 21.812 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBSD01

Tot Ion: 96 Resp: 102448

Ion Ratio Lower Upper

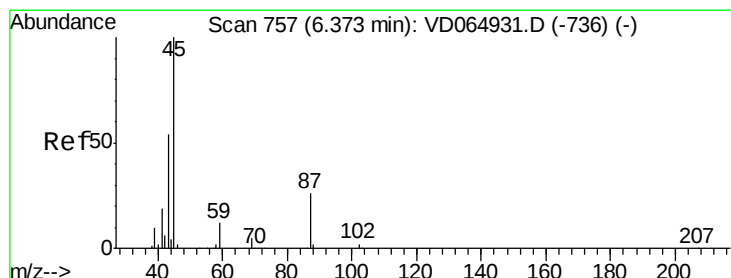
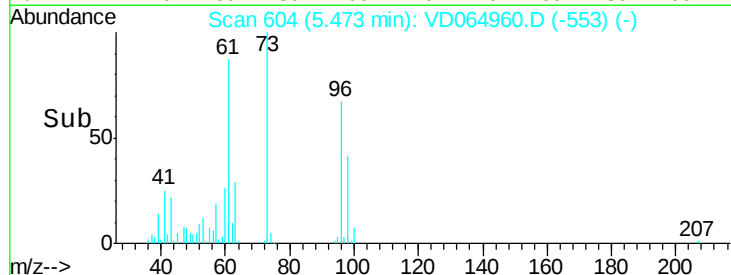
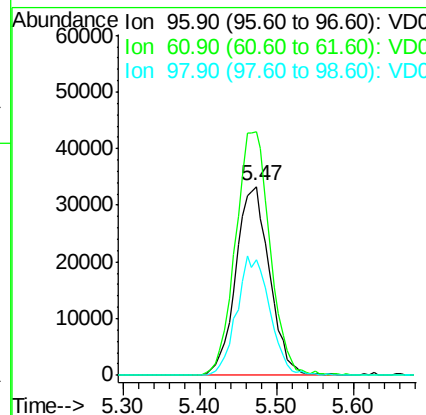
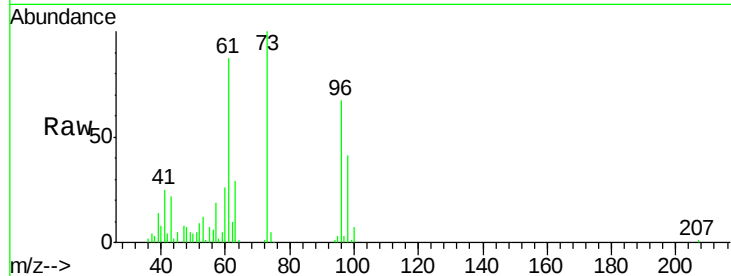
96 100

61 128.9 110.4 165.6

98 61.1 50.5 75.7

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#22

Diisopropyl ether

Concen: 21.428 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Tgt Ion: 45 Resp: 277665

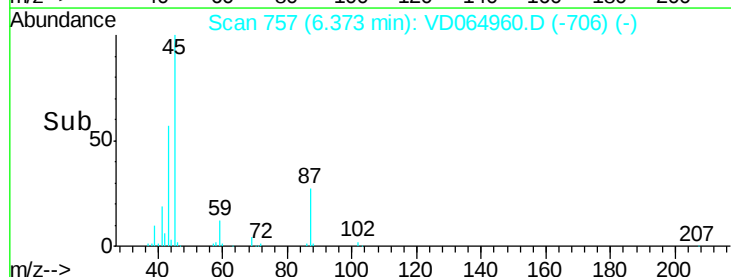
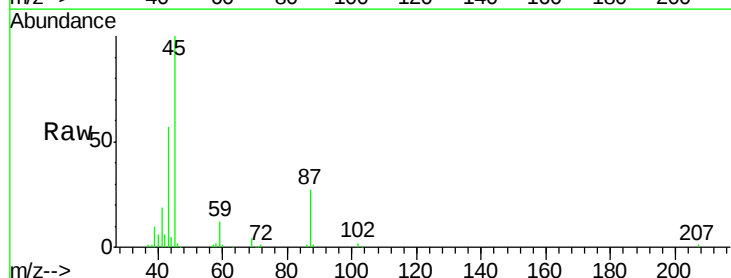
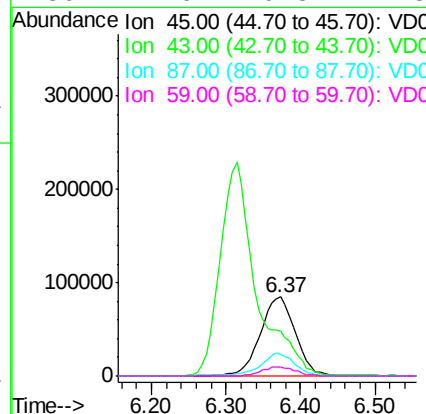
Ion Ratio Lower Upper

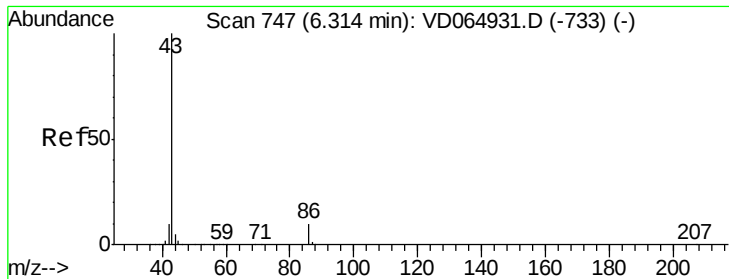
45 100

43 55.5 43.1 64.7

87 27.2 21.4 32.2

59 11.6 9.5 14.3





#23

Vinyl Acetate

Concen: 102.001 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

ClientSampleID :

VD0127SBS01

Tot Ion: 43 Resp: 773841

Ion Ratio Lower Upper

43 100

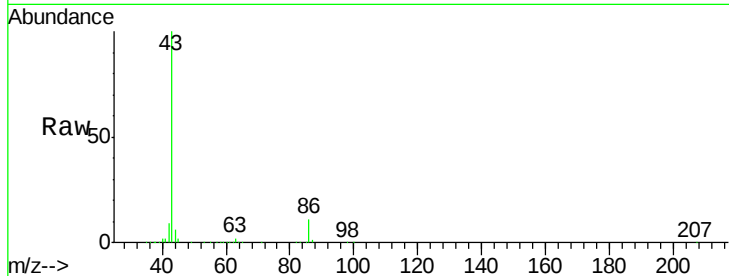
86 10.7 8.3 12.5

Manual Integrations

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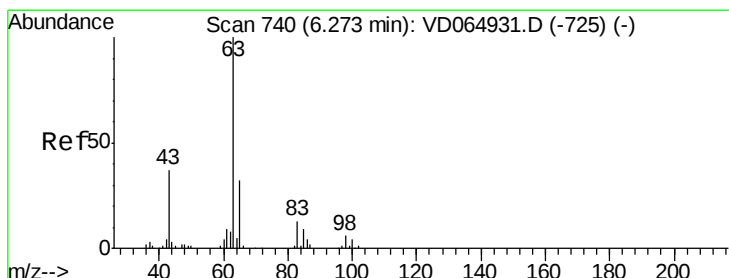
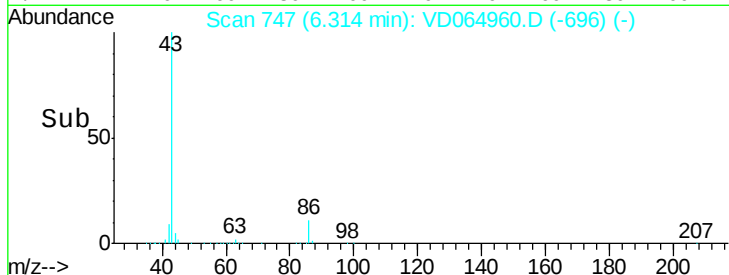
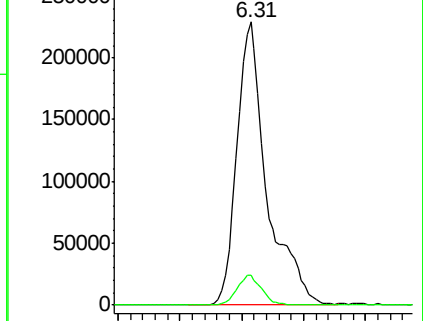
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.545 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

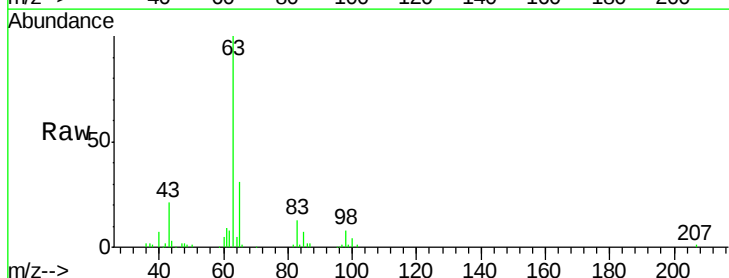
Tgt Ion: 63 Resp: 171408

Ion Ratio Lower Upper

63 100

98 7.6 3.1 9.3

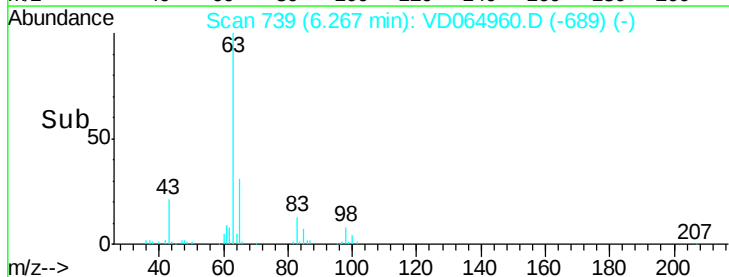
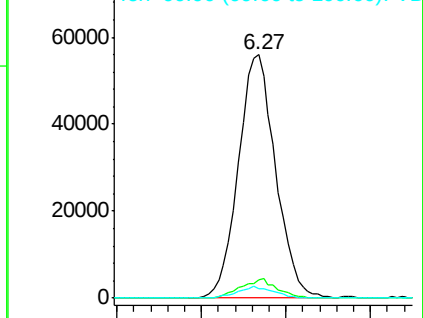
100 4.0 2.3 6.8

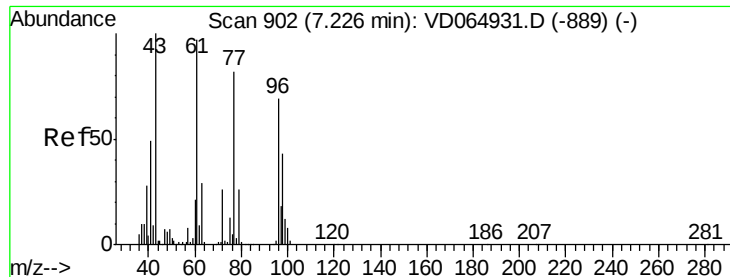


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 99.880 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBSD01

Tot Ion: 43 Resp: 121219

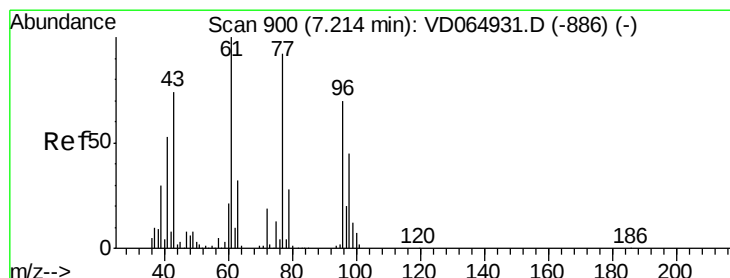
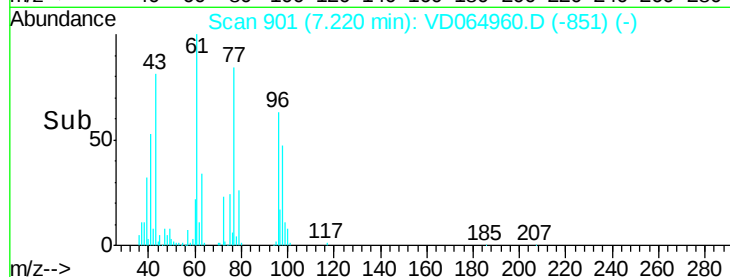
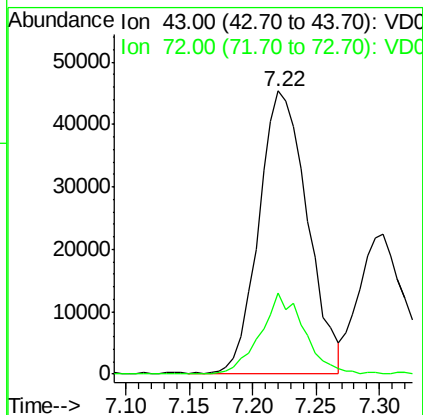
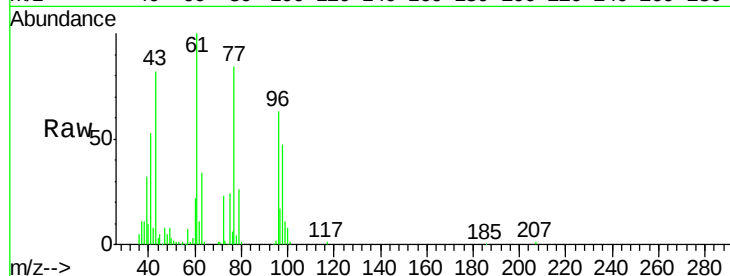
Ion Ratio Lower Upper

43 100

72 28.7 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 21.283 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064960.D

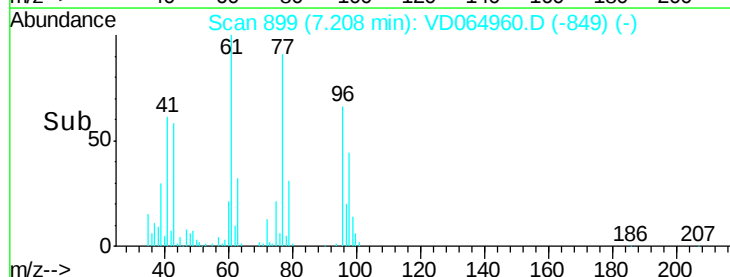
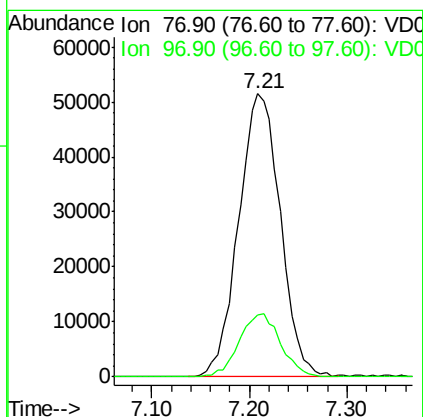
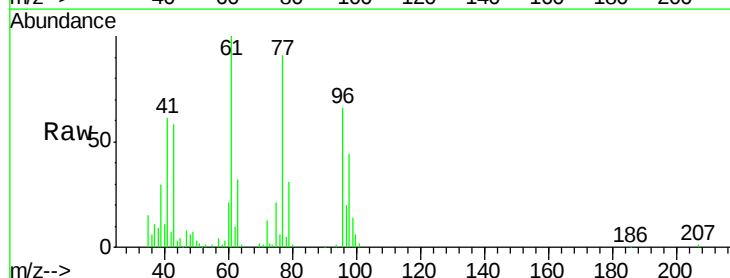
Acq: 27 Jan 2020 13:33

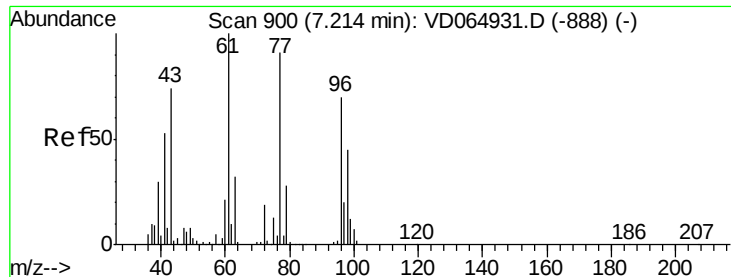
Tgt Ion: 77 Resp: 153586

Ion Ratio Lower Upper

77 100

97 22.0 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 21.280 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

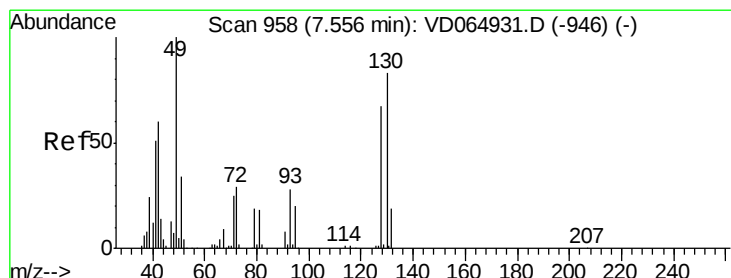
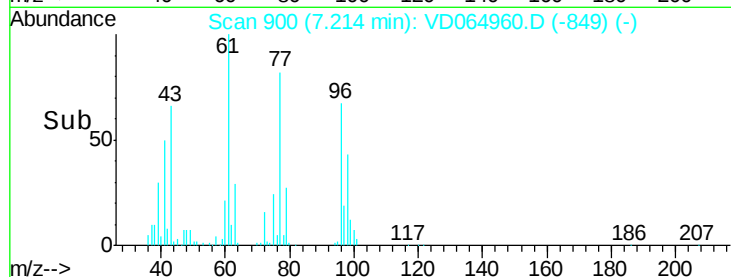
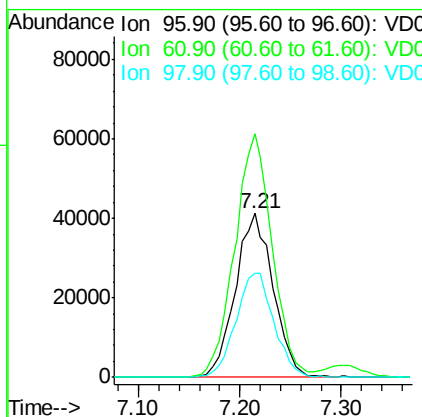
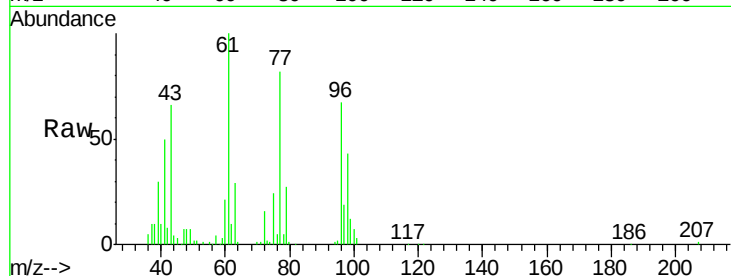
ClientSampleId :

VD0127SBSD01

Tot Ion:	96	Resp:	106679
Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	292.8
98	64.3	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 17.644 ug/l

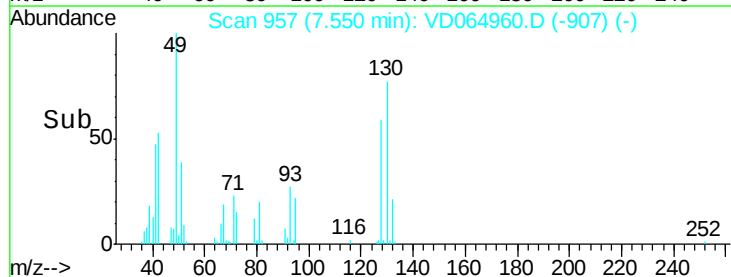
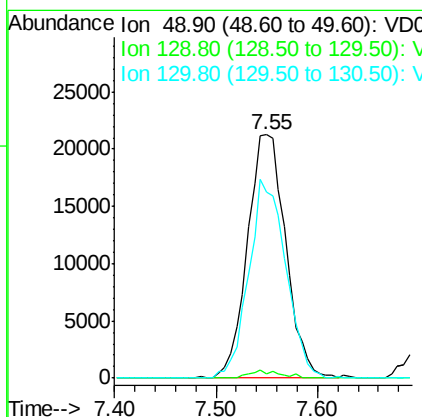
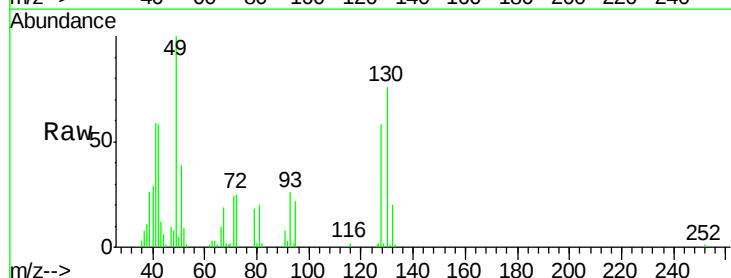
RT: 7.55 min Scan# 957

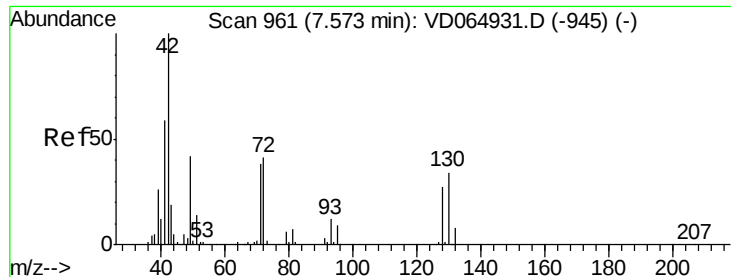
Delta R.T. -0.01 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Tgt Ion:	49	Resp:	56139
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.4
130	78.6	63.8	95.8





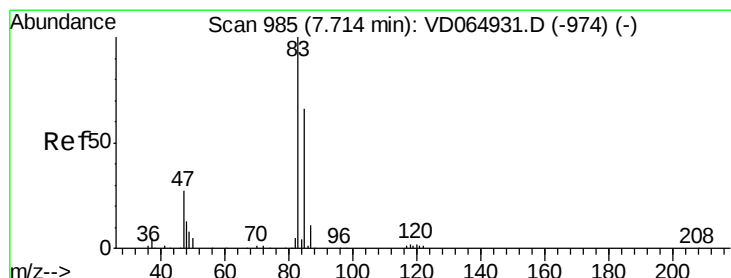
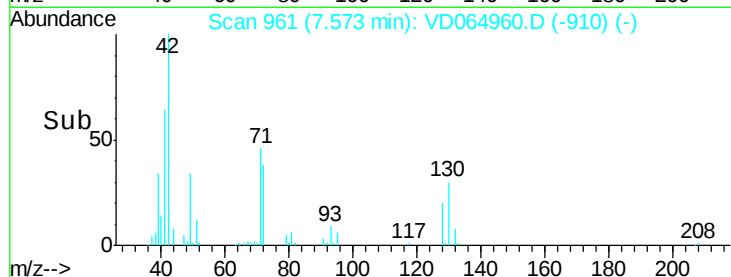
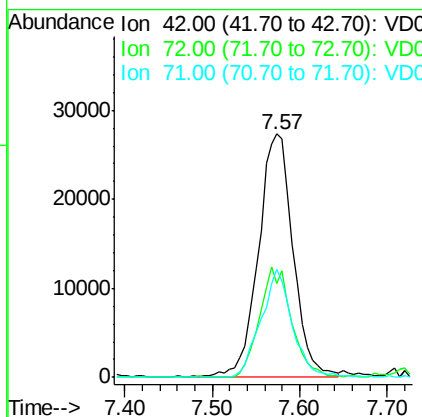
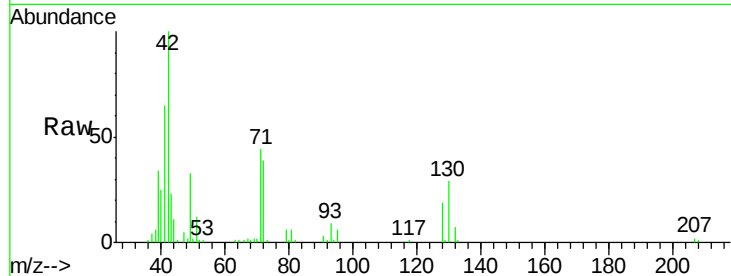
#29
Tetrahydrofuran
Concen: 99.758 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.0	51.0
71	40.2	31.5	47.3

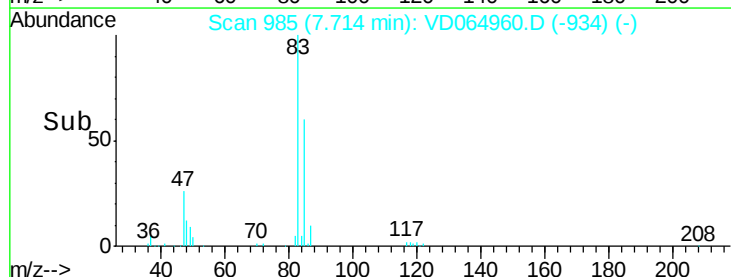
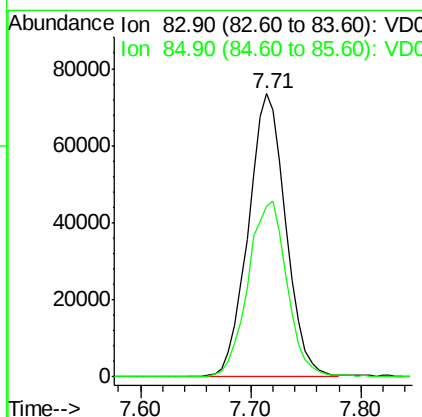
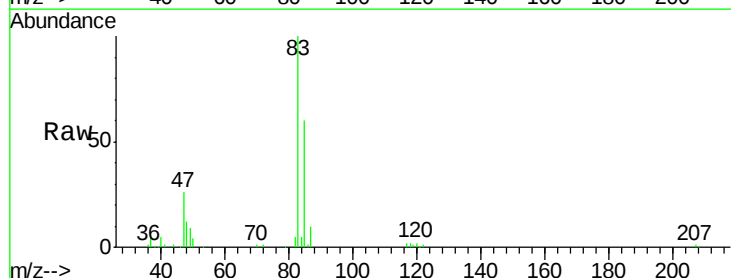
Manual Integrations
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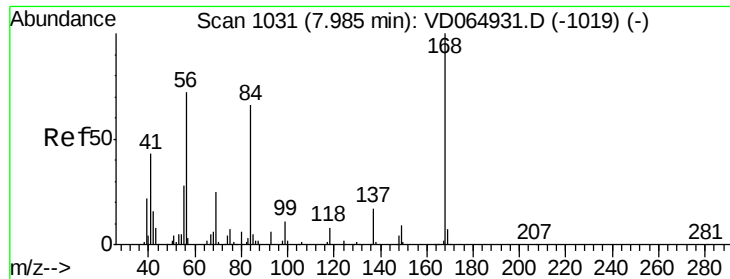
MMDadoda
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#30
Chloroform
Concen: 21.254 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.4	78.6





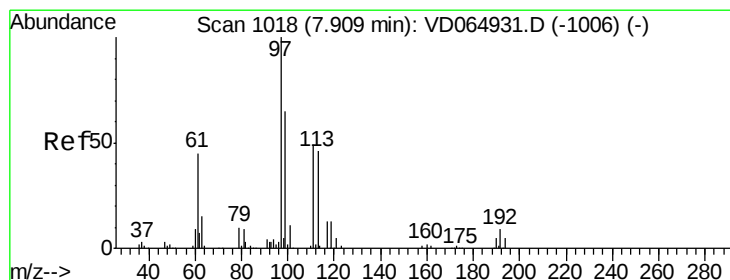
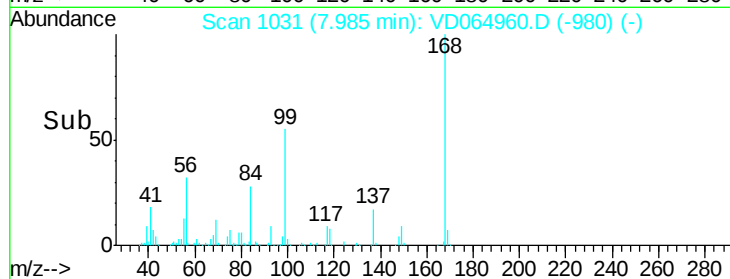
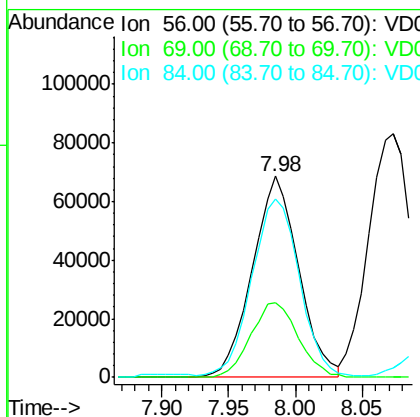
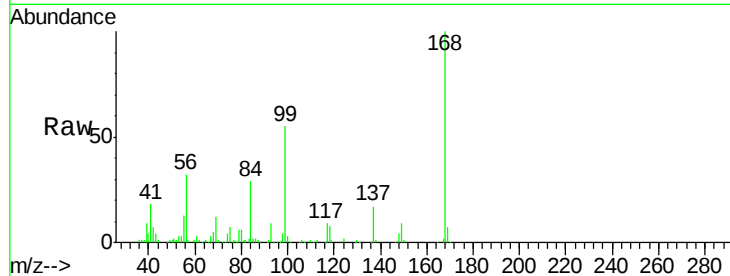
#31
Cyclohexane
Concen: 21.036 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.8	27.9	41.9
84	87.4	72.8	109.2

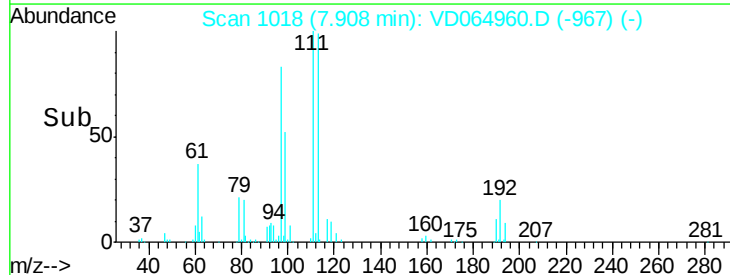
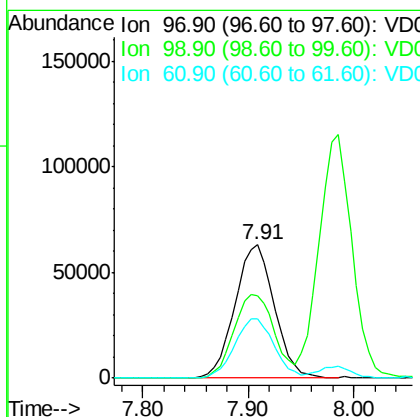
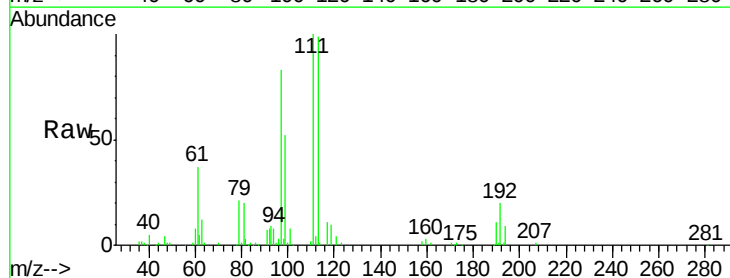
Manual Integrations
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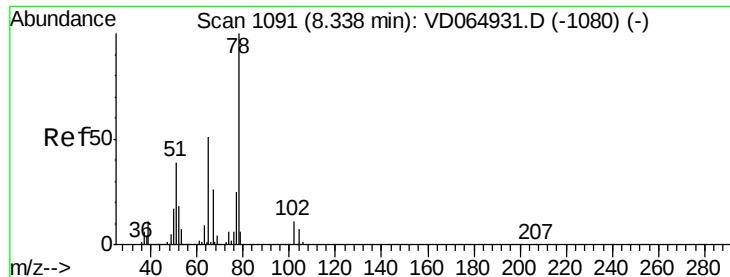
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.298 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.6	76.0
61	44.6	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 52.356 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 65 Resp: 235197

Ion Ratio Lower Upper

65 100

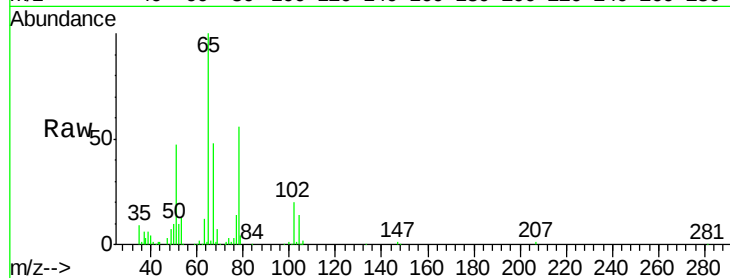
67 50.5 0.0 103.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

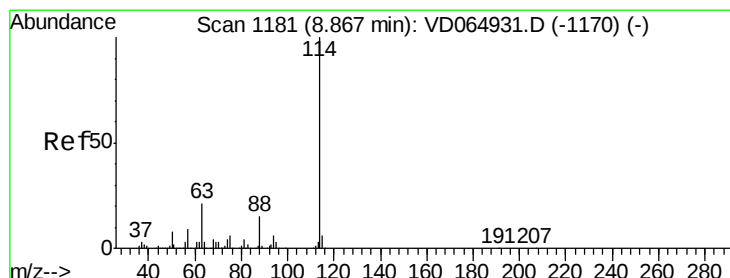
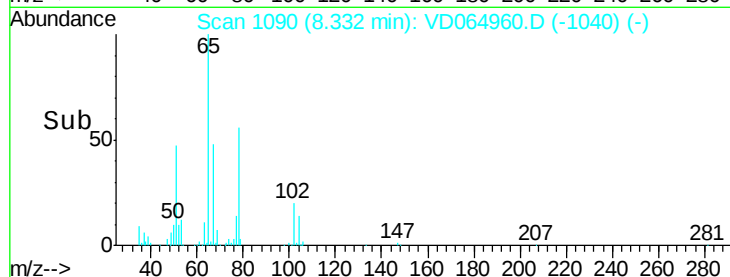
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

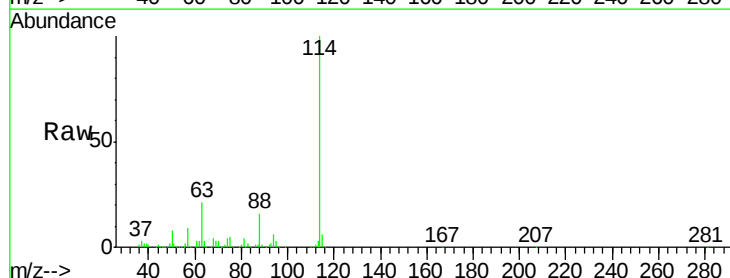
Tgt Ion: 114 Resp: 692500

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.0

88 15.9 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

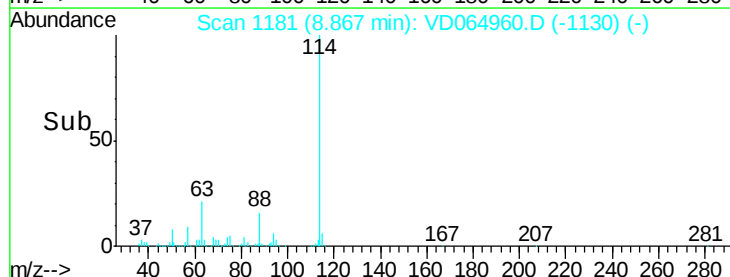
300000

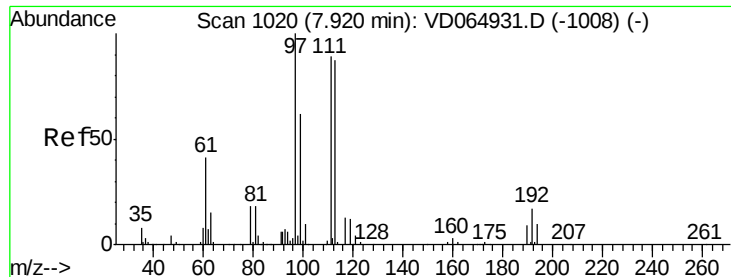
200000

100000

0

Time-->





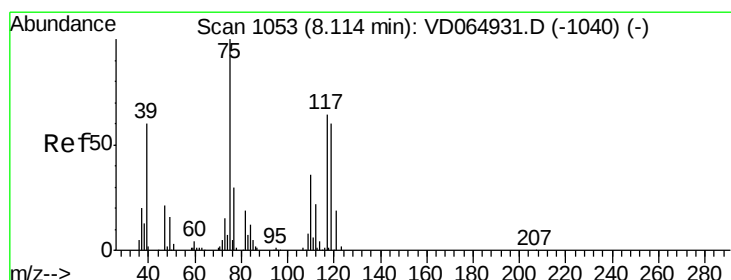
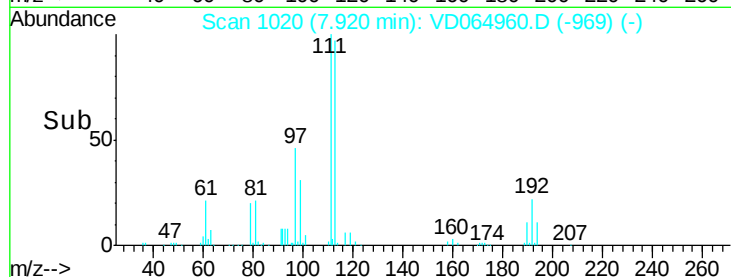
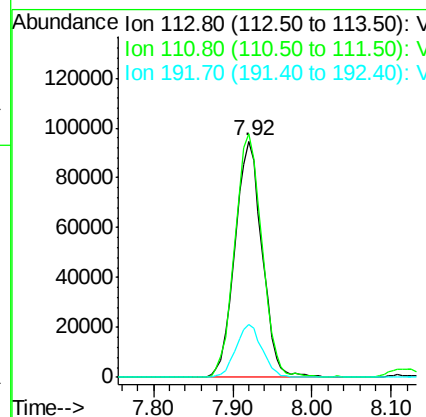
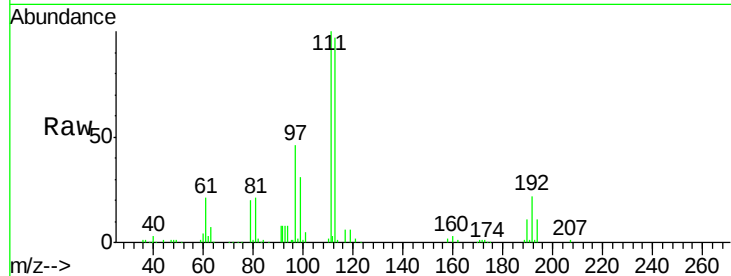
#35
 Dibromofluoromethane
 Concen: 51.624 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	224657		
111	103.2	82.4	123.6	
192	21.6	16.9	25.3	

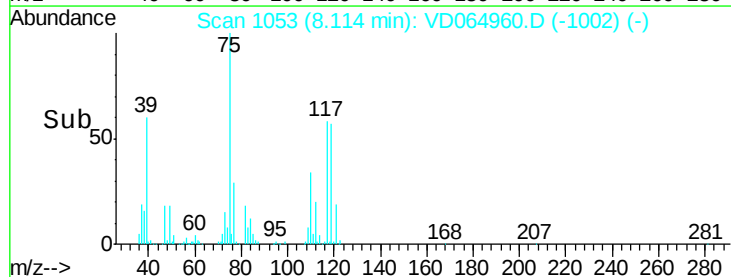
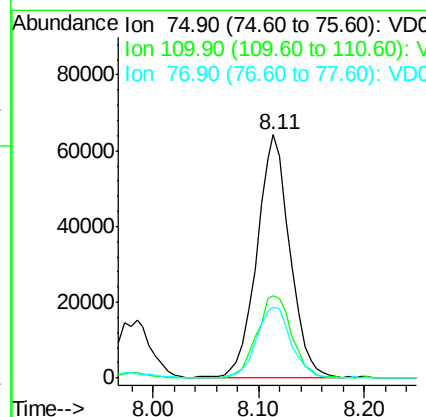
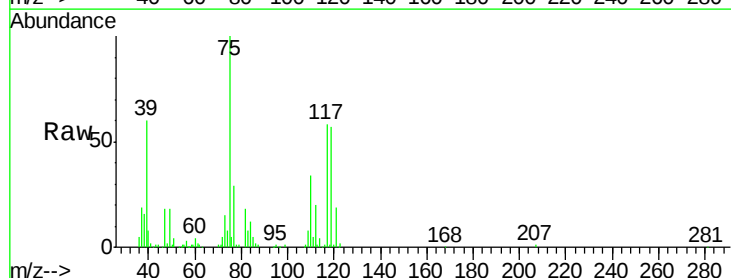
Manual Integrations
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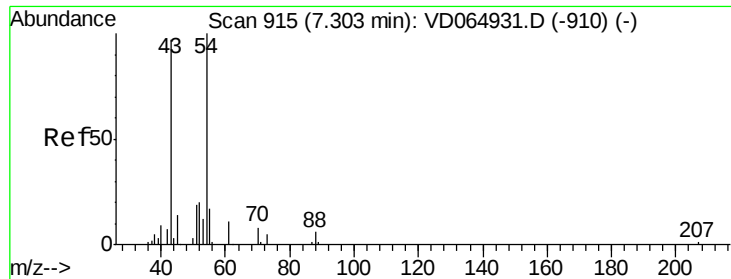
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#36
 1,1-Dichloropropene
 Concen: 20.848 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139217		
110	36.2	17.3	52.0	
77	30.9	24.7	37.1	





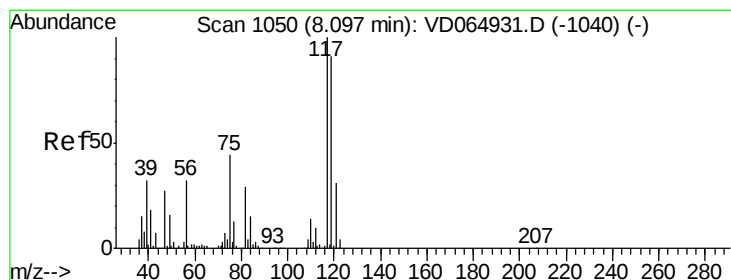
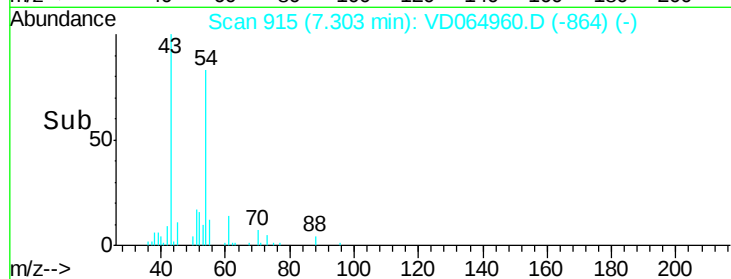
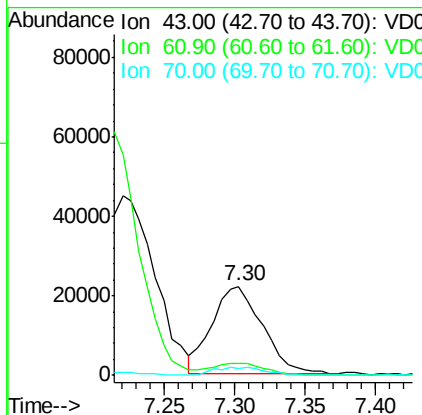
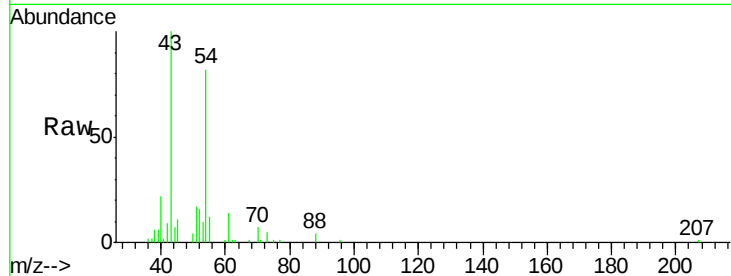
#37
Ethyl Acetate
Concen: 19.839 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.0	16.4
70	9.9	7.5	11.3

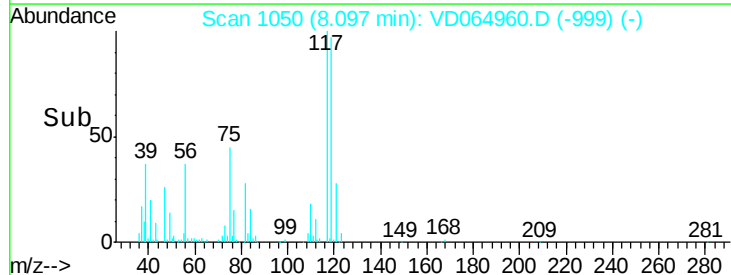
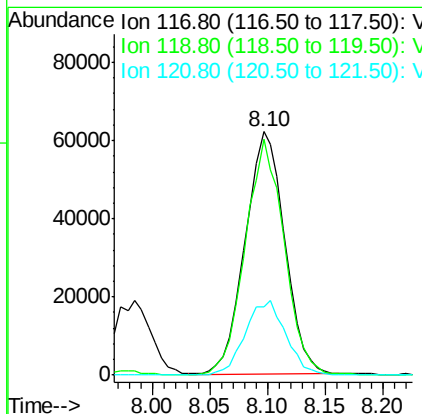
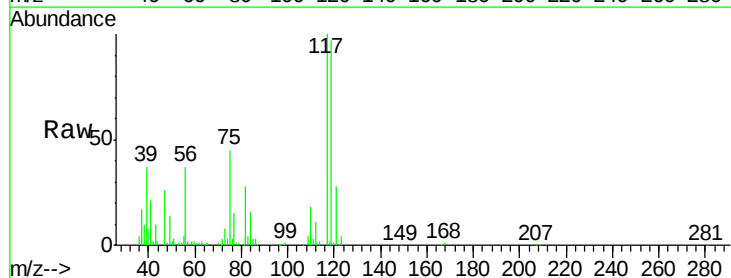
Manual Integrations
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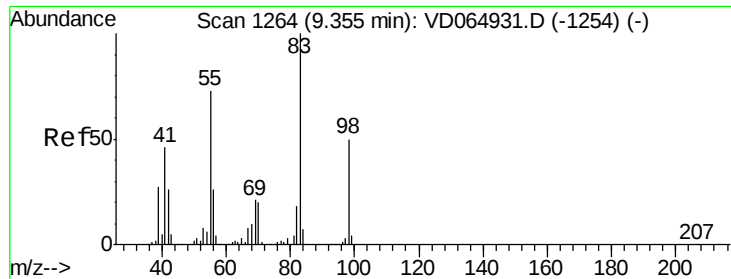
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#38
Carbon Tetrachloride
Concen: 21.019 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	73.2	109.8
121	28.3	24.4	36.6





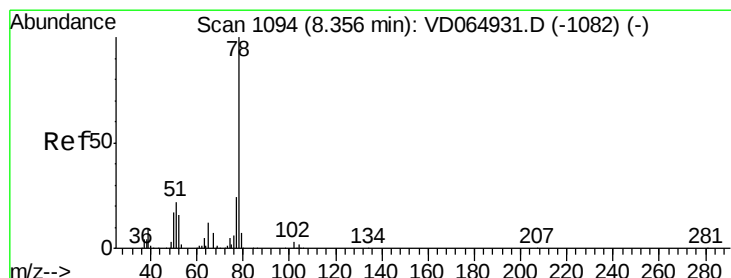
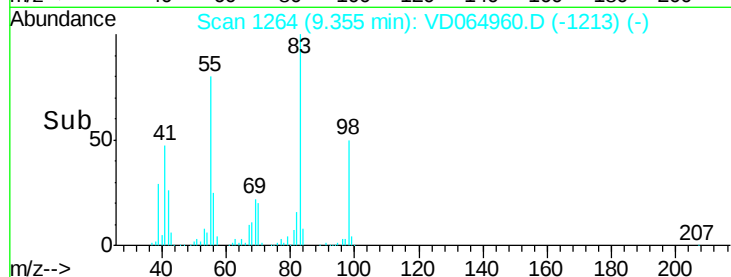
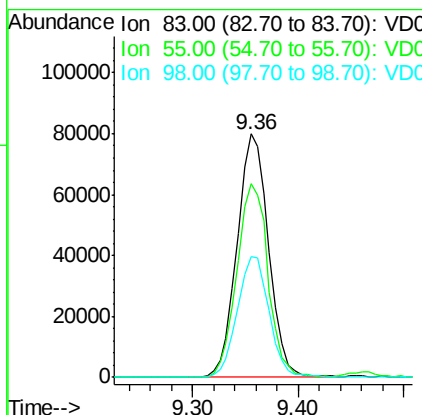
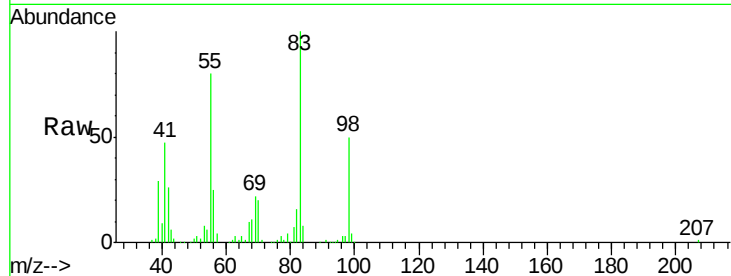
#39
Methvlcvclohexane
Concen: 21.130 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	83	Resp	164959
Ion Ratio	Lower	Upper	
83	100		
55	79.5	58.7	88.1
98	49.5	40.2	60.2

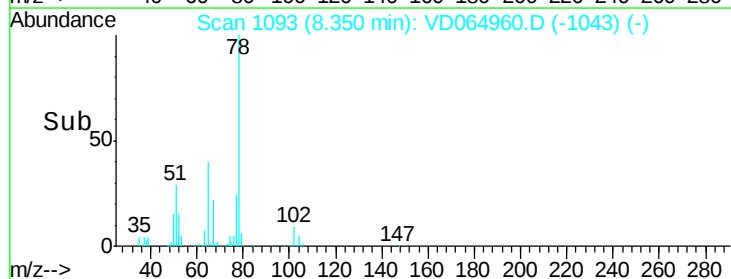
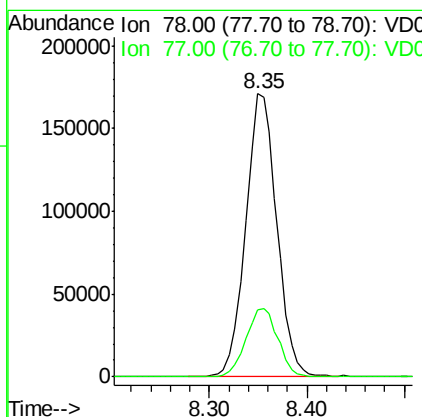
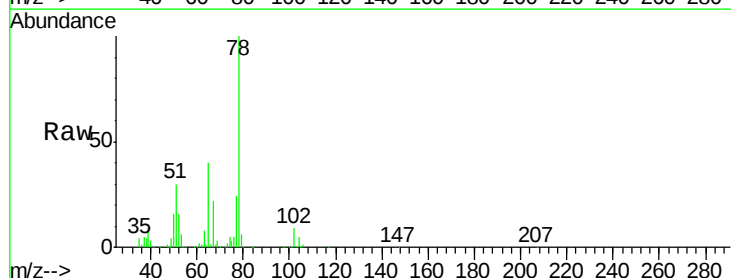
Manual Integrations
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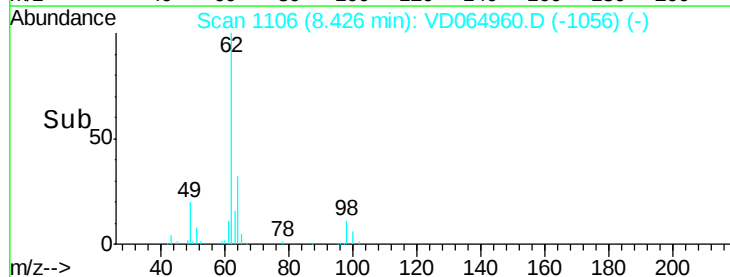
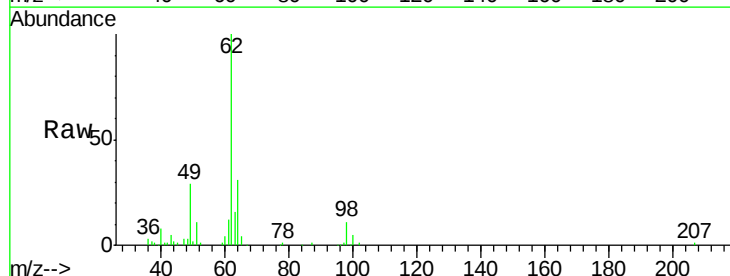
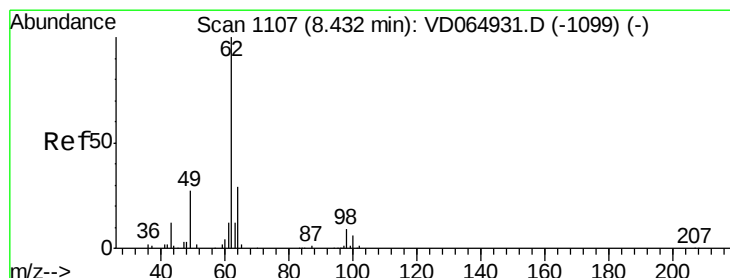
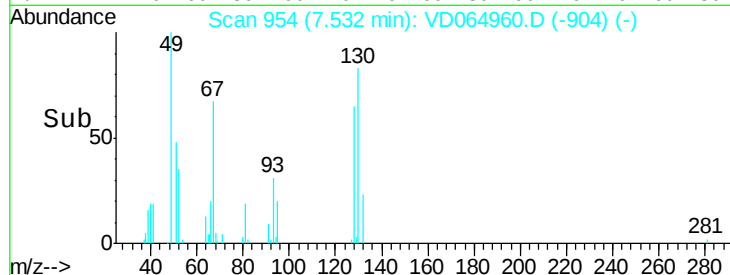
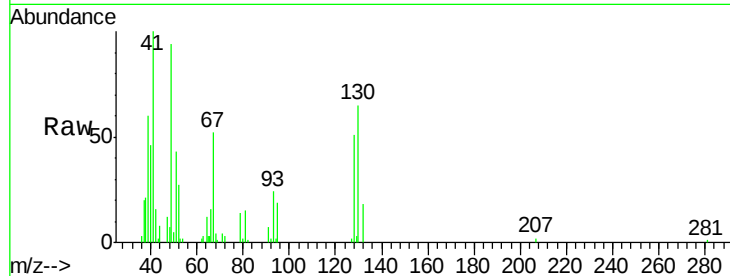
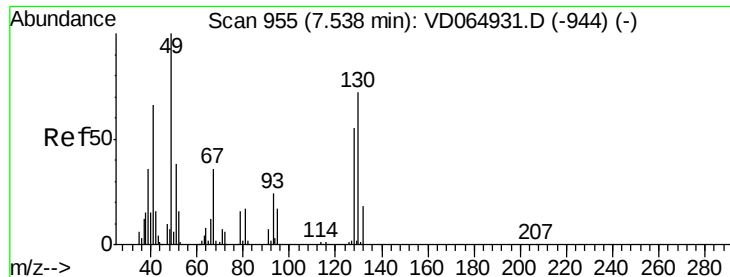
MMDadoda
1/28/2020 3:40:06 PM



#40
Benzene
Concen: 20.818 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

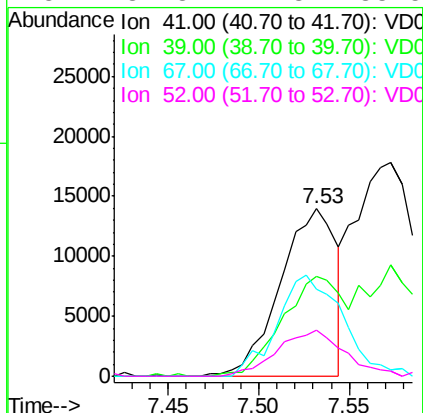
Tgt Ion	78	Resp	382871
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.2	28.8





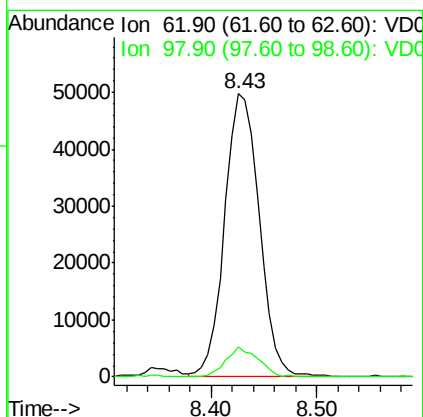
#41
Methacrylonitrile
Concen: 20.235 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tot Ion	41	Resp	30066
Ion	Ratio	Lower	Upper
41	100		
39	65.4	49.3	73.9
67	71.0	51.0	76.6
52	32.8	22.3	33.5



#42
1,2-Dichloroethane
Concen: 20.689 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

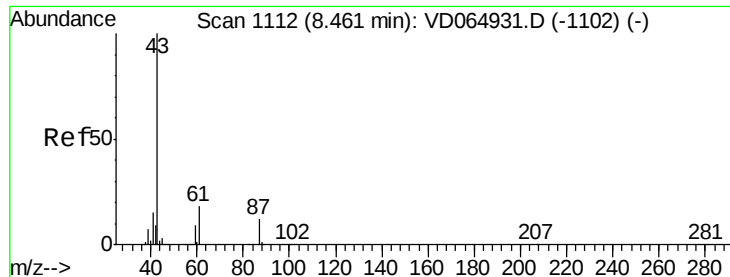
Tgt Ion	62	Resp	113345
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	17.8



Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

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#43

Isopropyl Acetate

Concen: 20.226 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

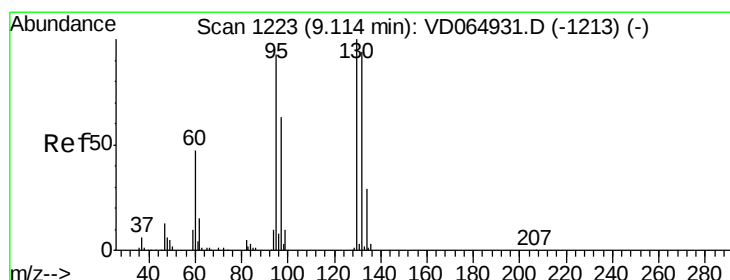
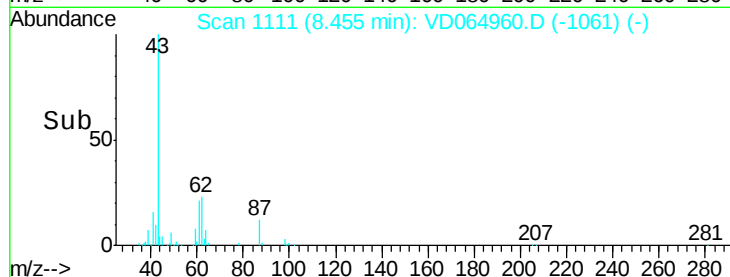
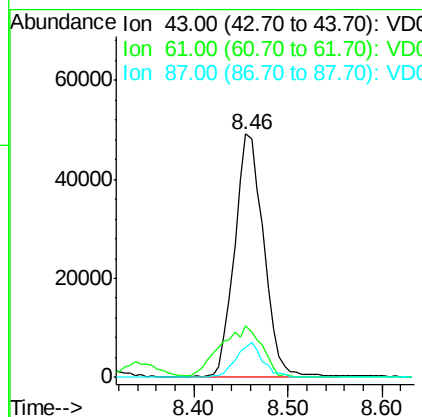
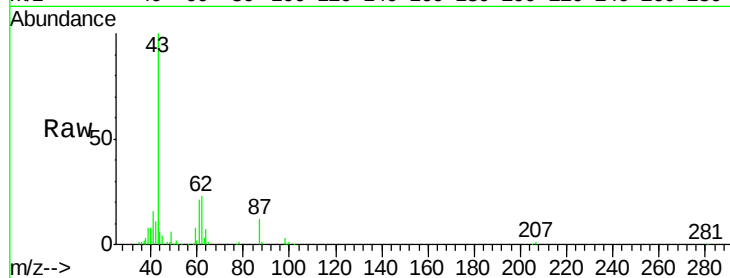
ClientSampleId :

VD0127SBS01

Tot Ion:	43	Resp:	105970
Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.8	35.6
87	12.9	10.3	15.5

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#44

Trichloroethene

Concen: 21.078 ug/l

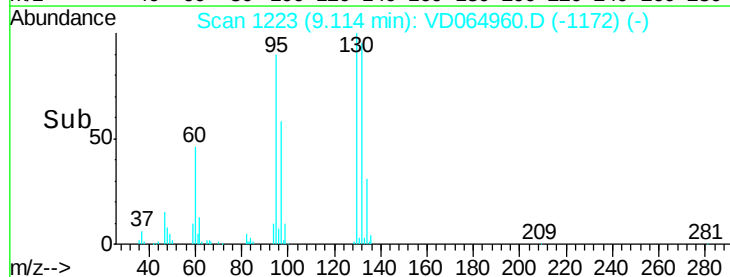
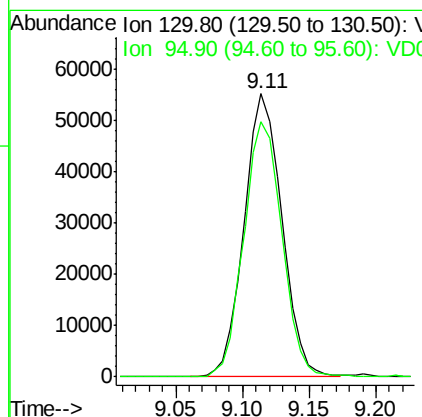
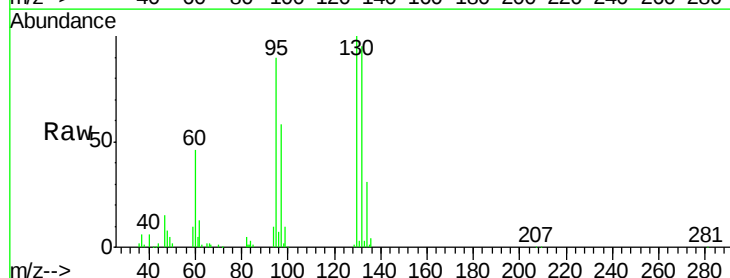
RT: 9.11 min Scan# 1223

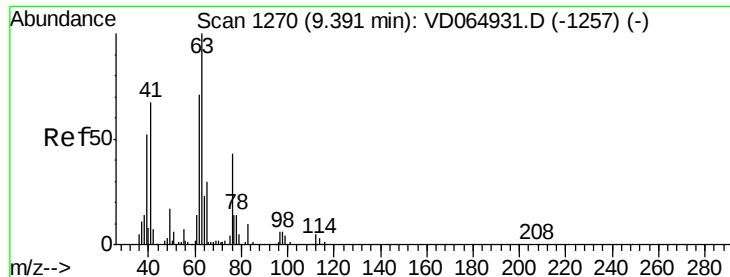
Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Tgt Ion:	130	Resp:	108491
Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	185.8





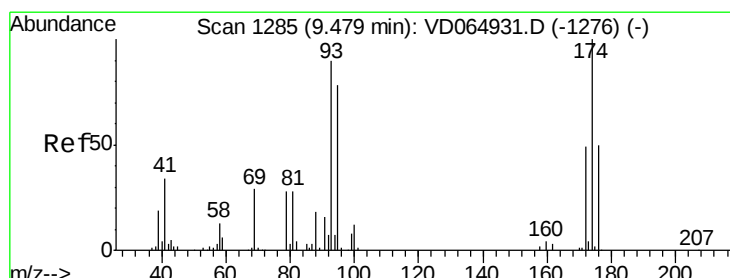
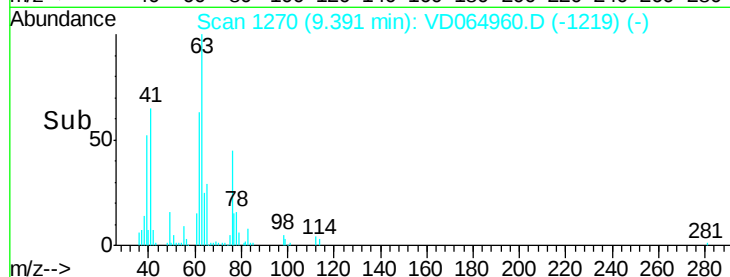
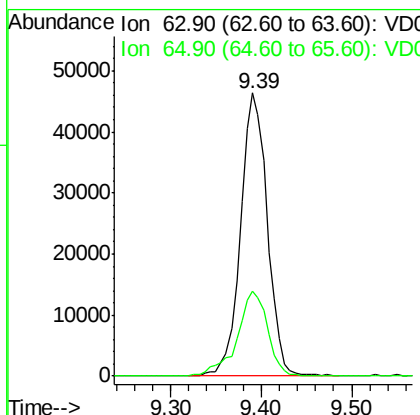
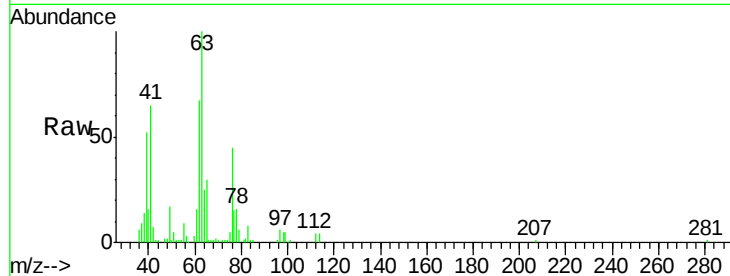
#45
 1,2-Dichloropropane
 Concen: 21.301 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.3	36.5

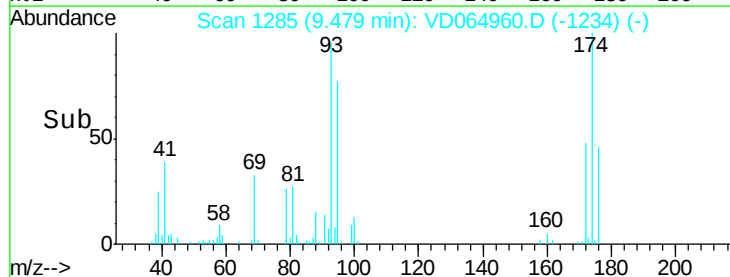
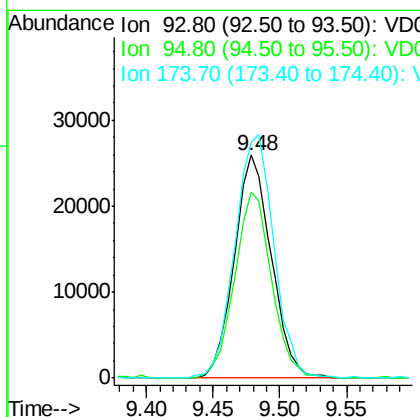
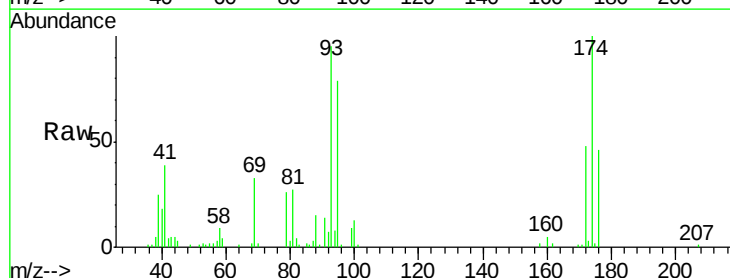
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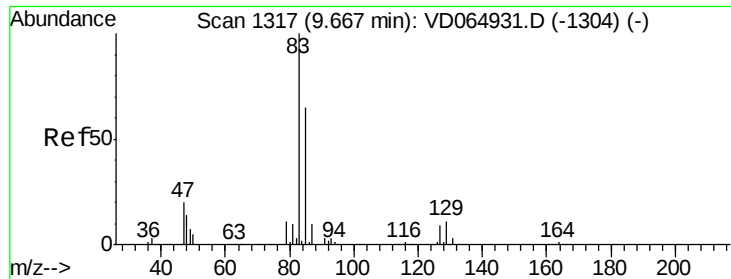
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#46
 Dibromomethane
 Concen: 20.510 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	67.5	101.3
174	114.4	88.4	132.6





#47

Bromodichloromethane

Concen: 21.346 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

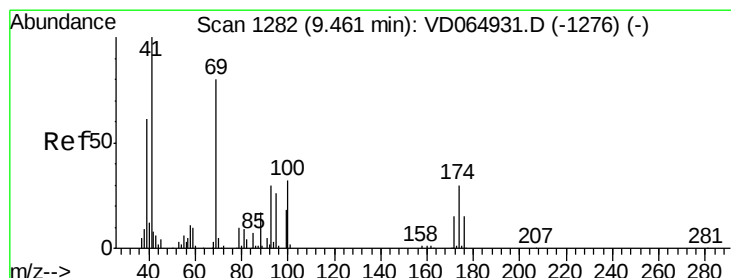
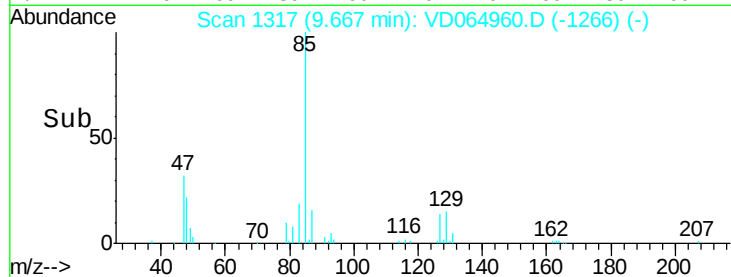
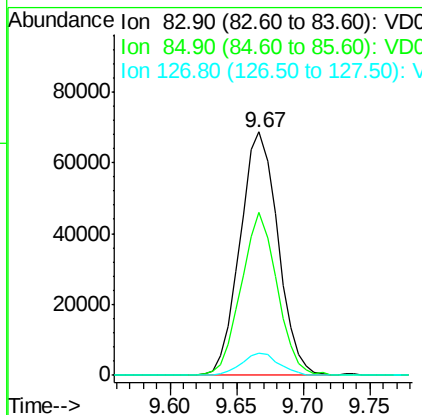
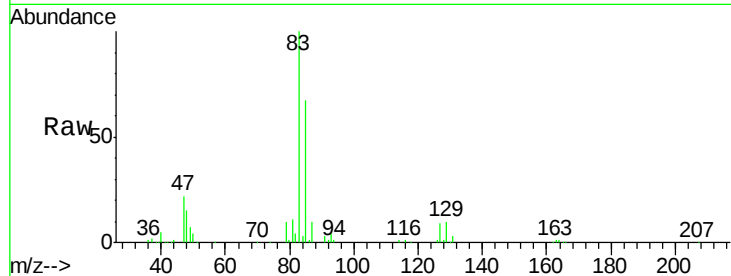
ClientSampleId :

VD0127SBSD01

Tot Ion:	83	Resp:	135199
Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.0	78.0
127	9.4	7.3	10.9

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#48

Methyl methacrylate

Concen: 21.377 ug/l

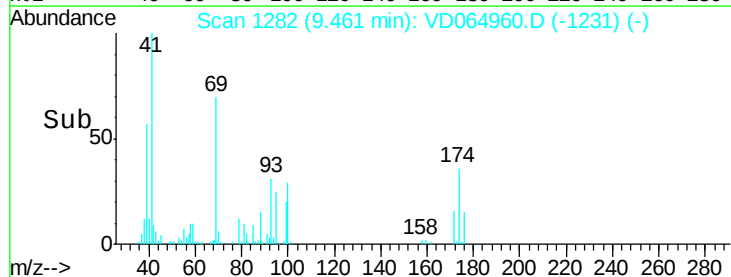
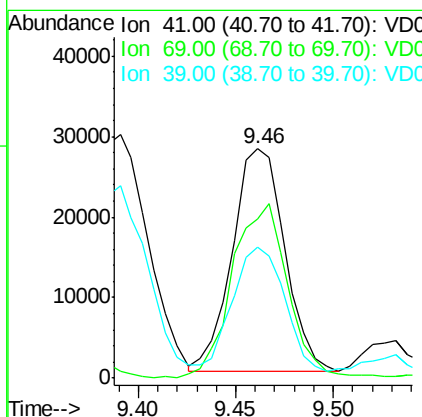
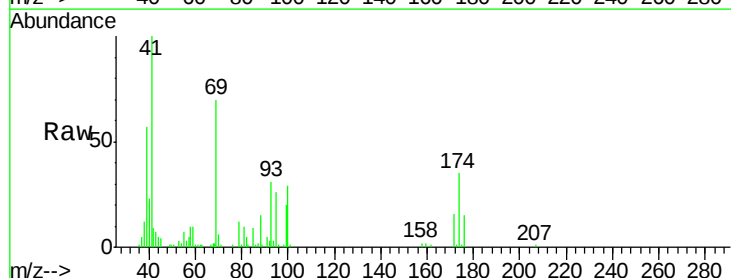
RT: 9.46 min Scan# 1282

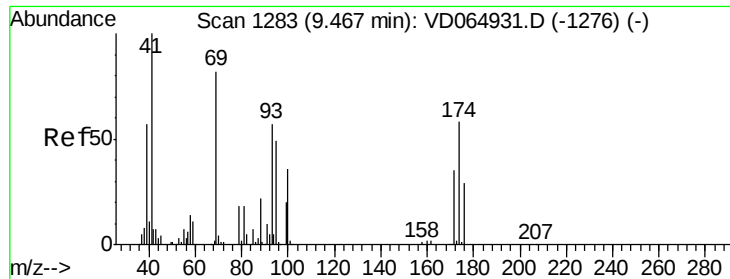
Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Tgt Ion:	41	Resp:	51541
Ion	Ratio	Lower	Upper
41	100		
69	83.3	65.8	98.8
39	54.7	49.4	74.0





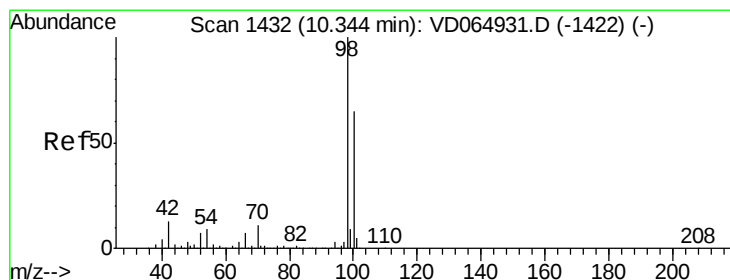
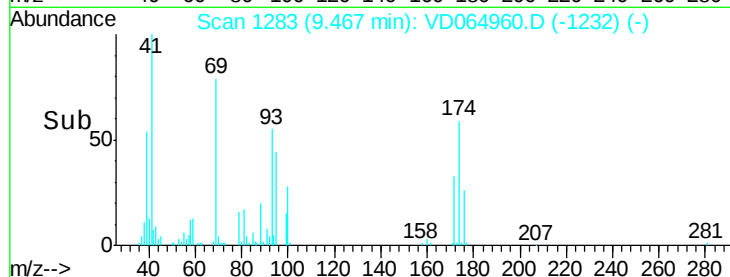
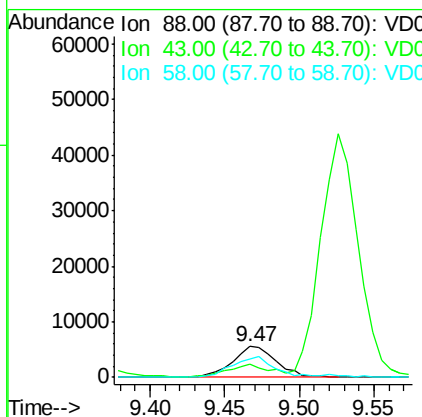
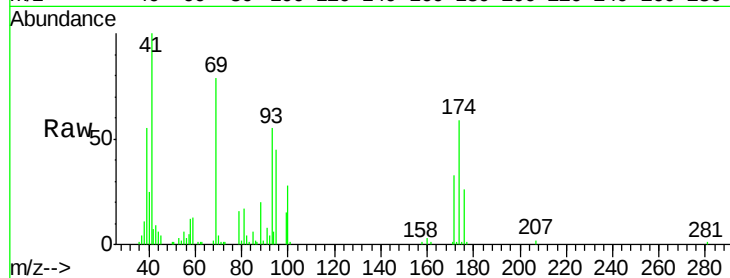
#49
1,4-Dioxane
Concen: 397.300 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.0	26.2	39.4#
58	65.5	50.3	75.5

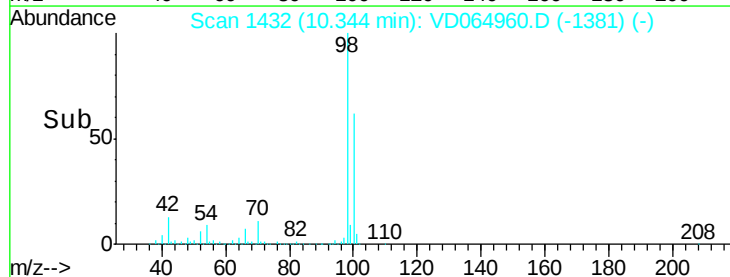
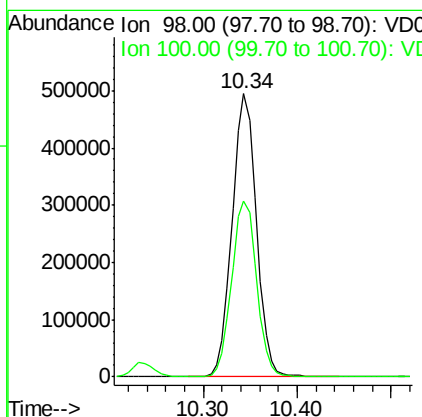
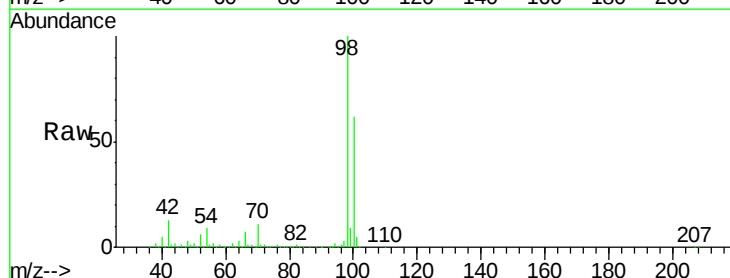
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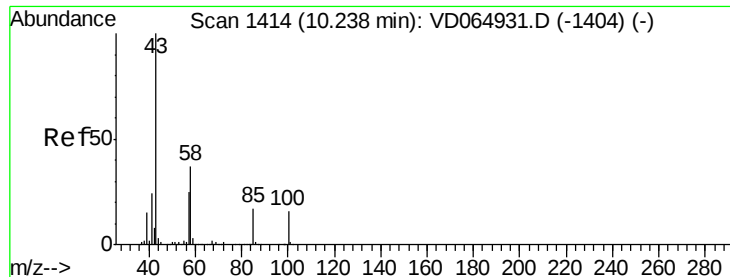
MMDadoda
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#50
Toluene-d8
Concen: 53.122 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 100.350 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 43 Resp: 263079

Ion Ratio Lower Upper

43 100

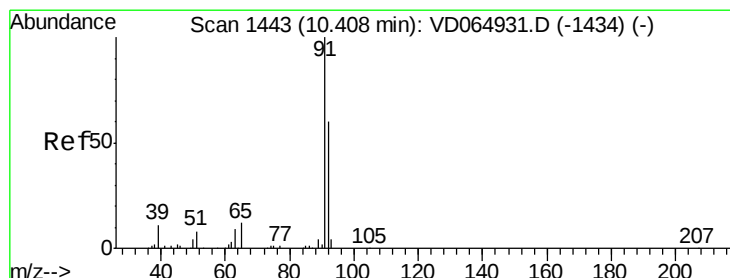
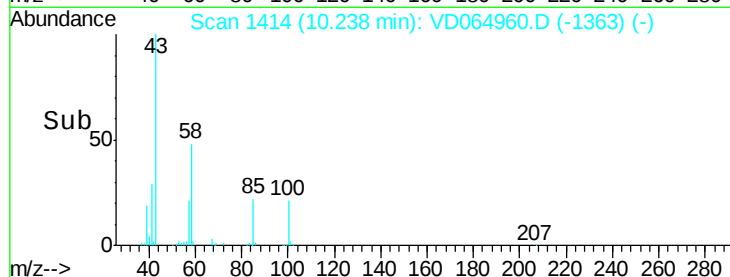
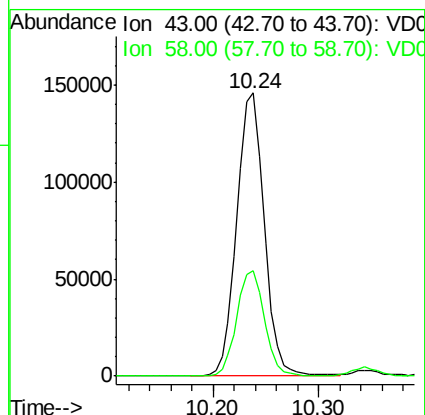
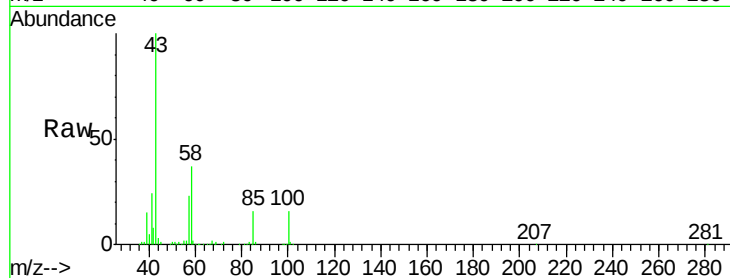
58 37.3 30.4 45.6

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#52

Toluene

Concen: 21.101 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064960.D

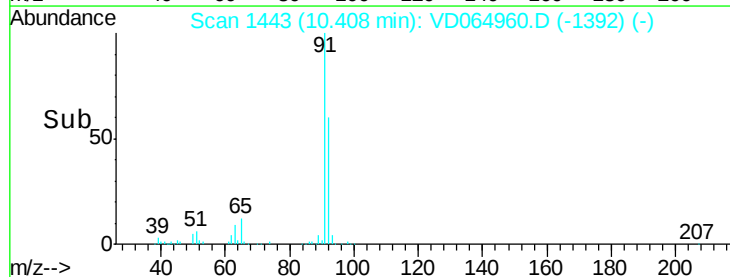
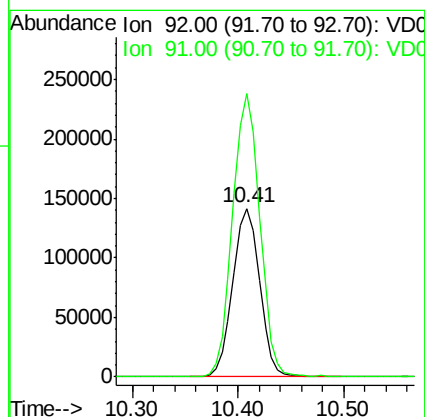
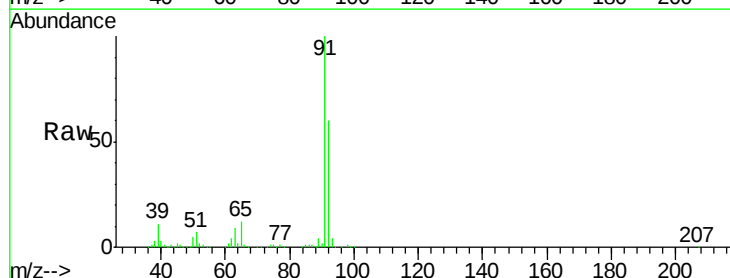
Acq: 27 Jan 2020 13:33

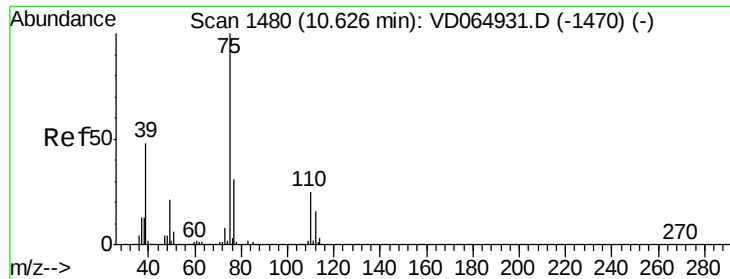
Tgt Ion: 92 Resp: 250202

Ion Ratio Lower Upper

92 100

91 169.8 136.8 205.2





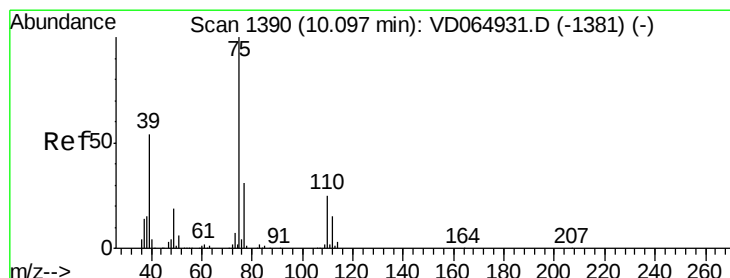
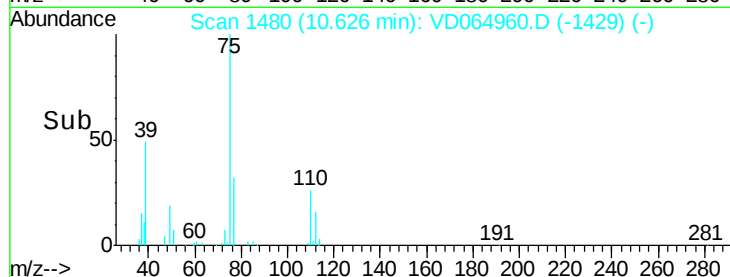
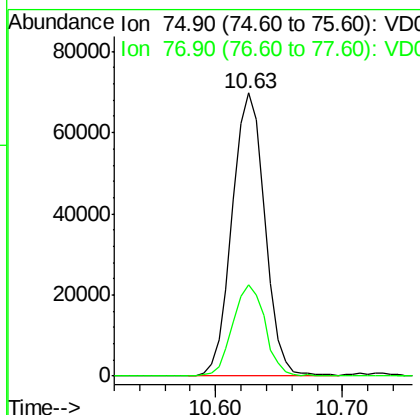
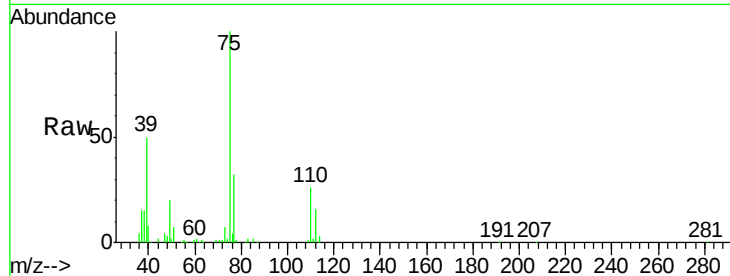
#53
t-1,3-Dichloropropene
Concen: 20.657 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.6

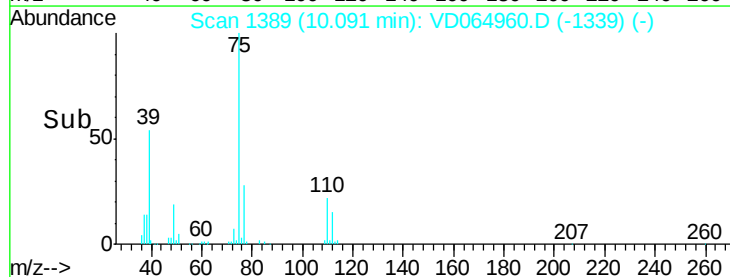
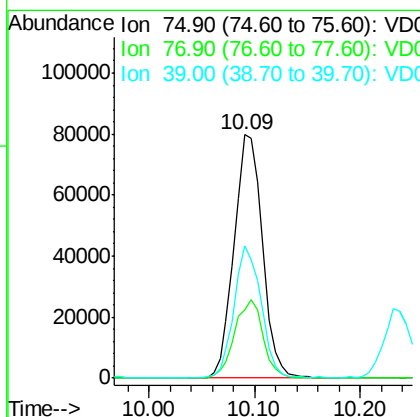
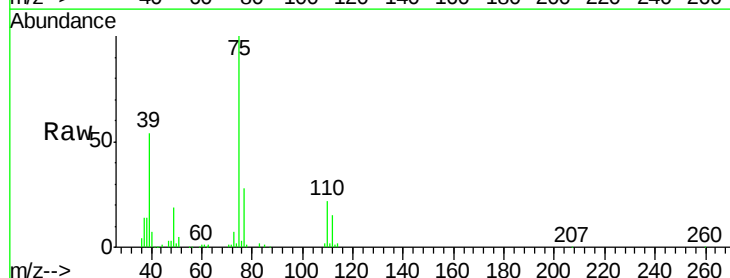
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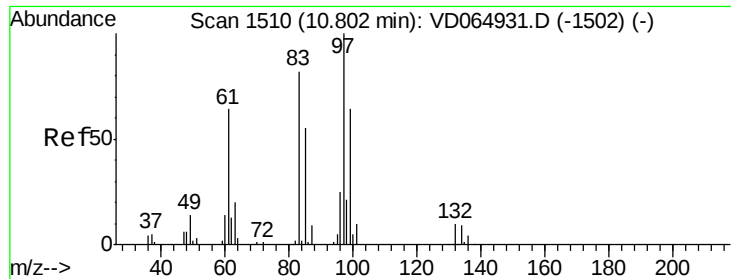
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#54
cis-1,3-Dichloropropene
Concen: 20.966 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.0	25.1	37.7
39	54.1	43.0	64.6





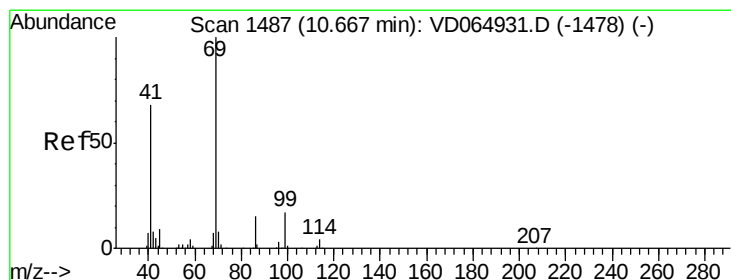
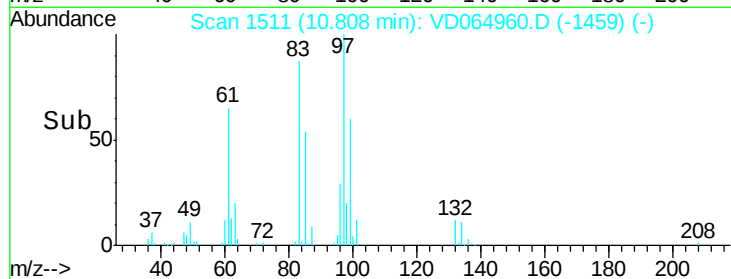
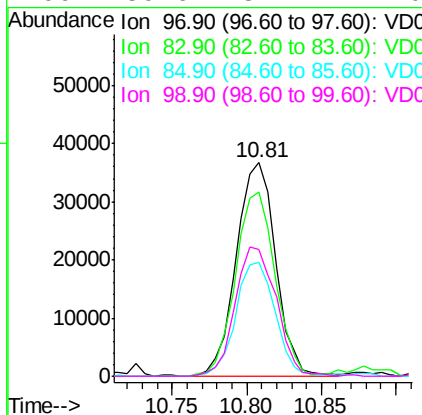
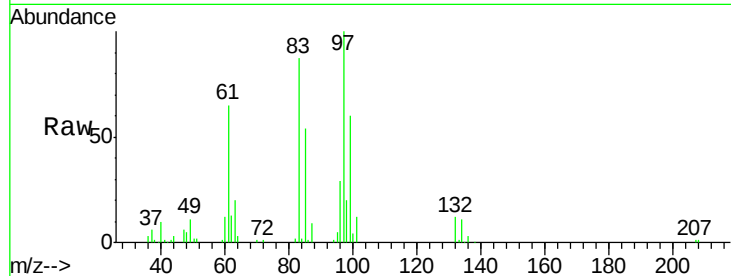
#55
 1,1,2-Trichloroethane
 Concen: 20.642 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion	97	Resp:	67679
Ion	Ratio	Lower	Upper
97	100		
83	86.5	66.0	99.0
85	53.6	44.4	66.6
99	59.6	51.4	77.0

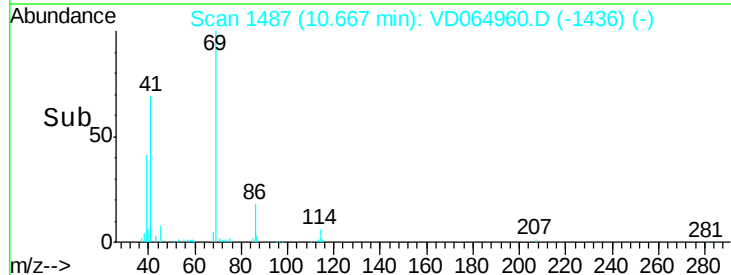
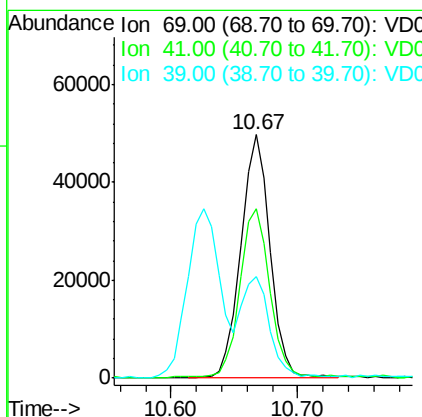
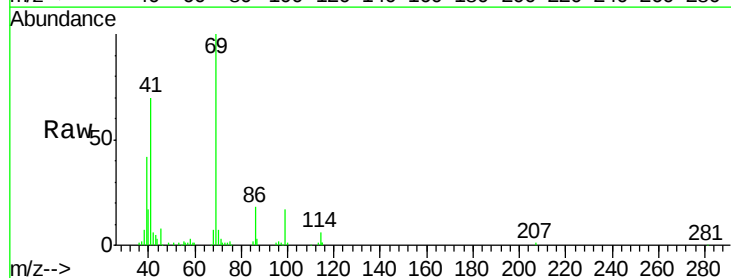
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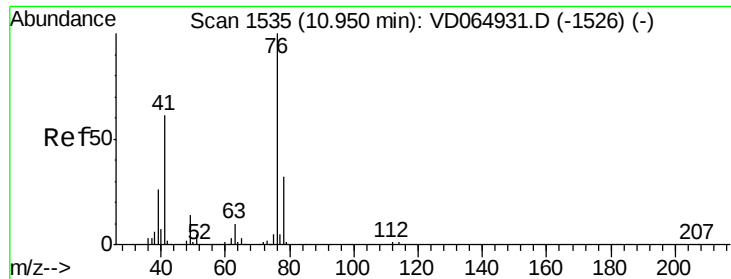
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#56
 Ethyl methacrylate
 Concen: 20.295 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Tgt Ion	69	Resp:	79572
Ion	Ratio	Lower	Upper
69	100		
41	69.6	56.4	84.6
39	40.0	30.6	46.0





#57

1,3-Dichloropropane

Concen: 20.971 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 76 Resp: 117932

Ion Ratio Lower Upper

76 100

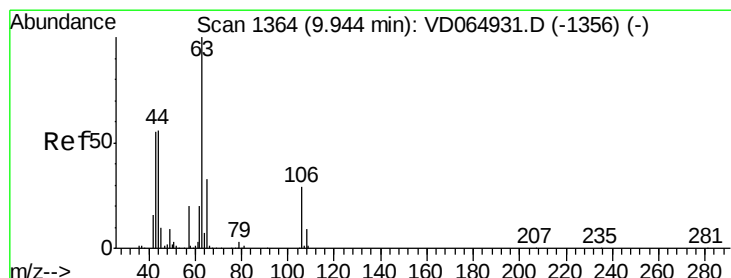
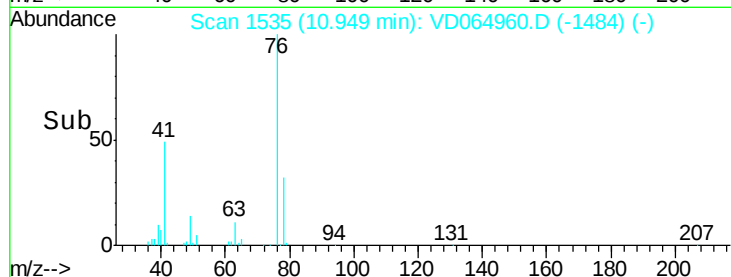
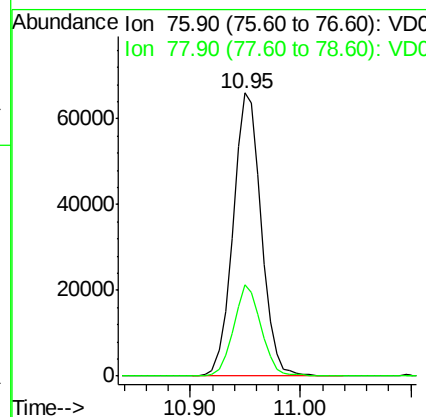
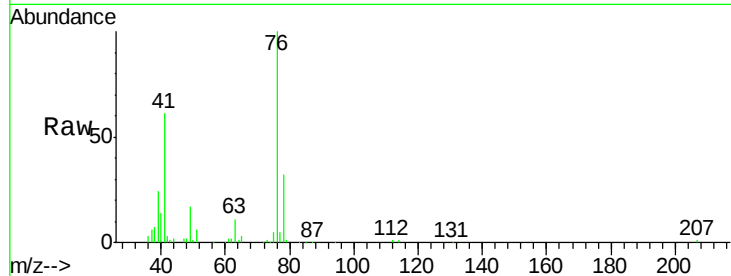
78 31.5 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 101.069 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064960.D

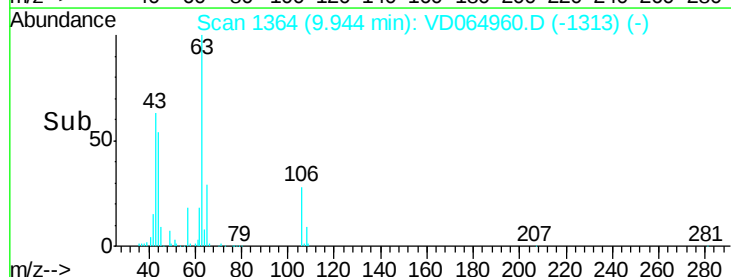
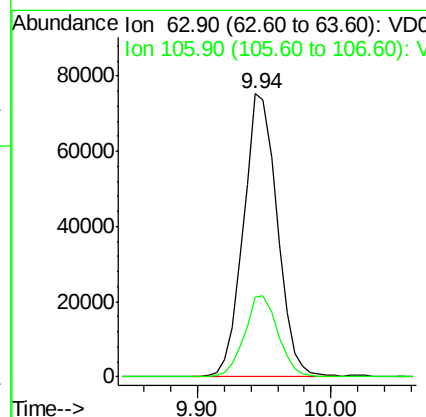
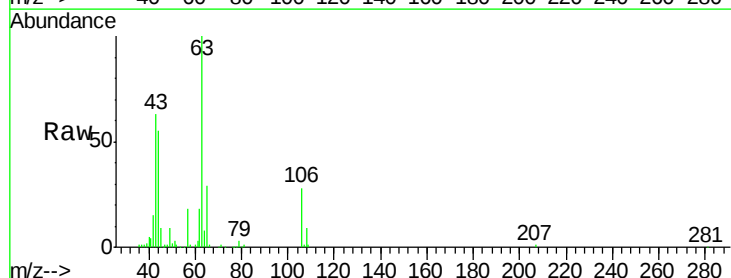
Acq: 27 Jan 2020 13:33

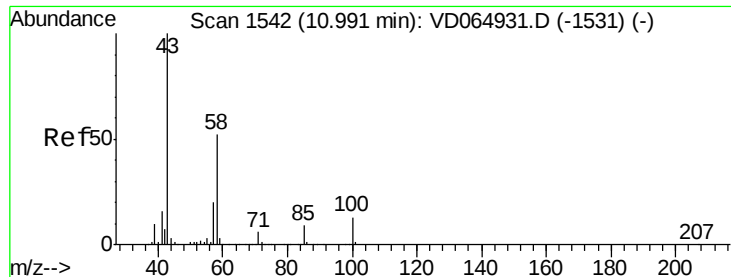
Tgt Ion: 63 Resp: 131652

Ion Ratio Lower Upper

63 100

106 28.2 23.0 34.4





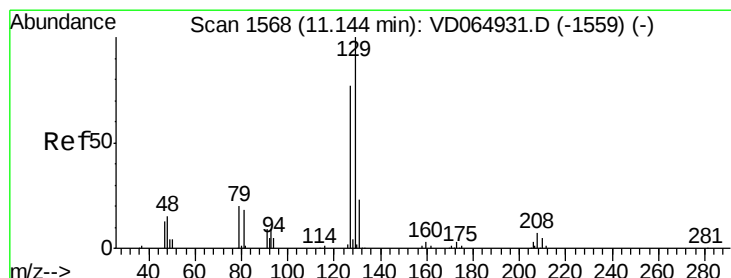
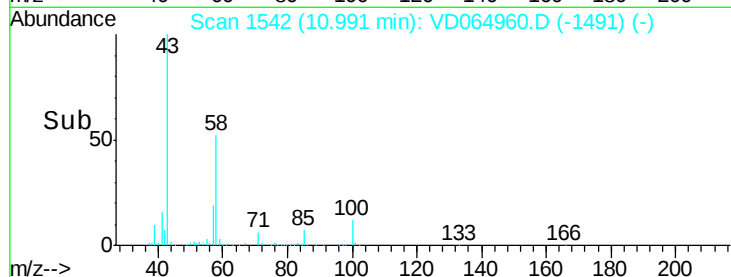
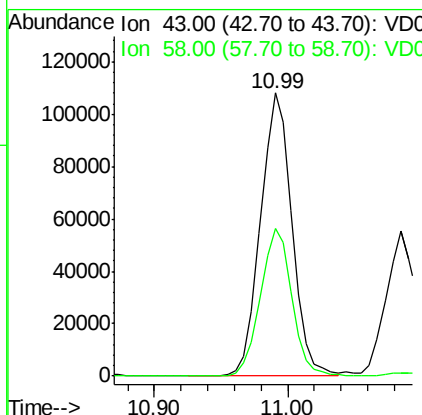
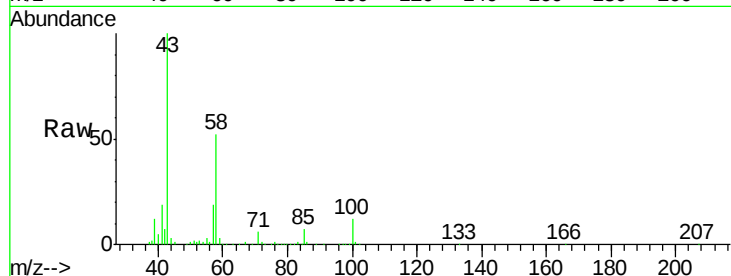
#59
2-Hexanone
Concen: 97.515 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBSD01

Tot Ion: 43 Resp: 176337
Ion Ratio Lower Upper
43 100
58 52.2 26.5 79.4

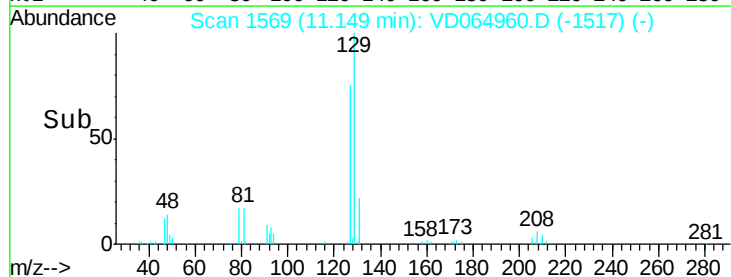
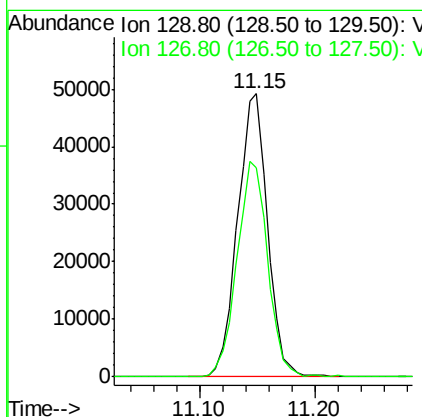
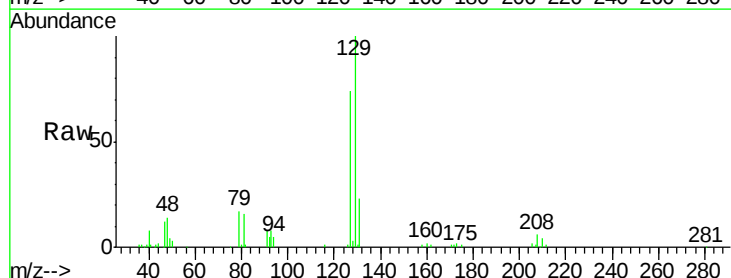
Manual Integrations
APPROVED

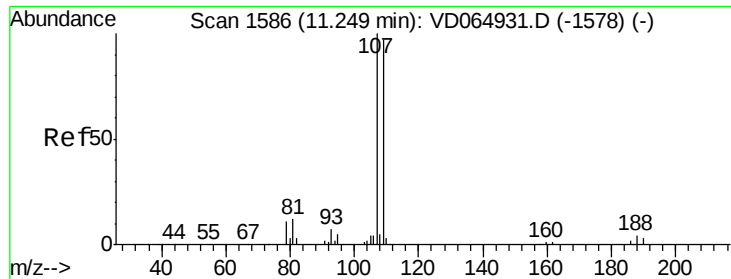
MMDadoda
1/28/2020 3:40:06 PM



#60
Dibromochloromethane
Concen: 20.182 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion: 129 Resp: 88442
Ion Ratio Lower Upper
129 100
127 77.8 38.2 114.6





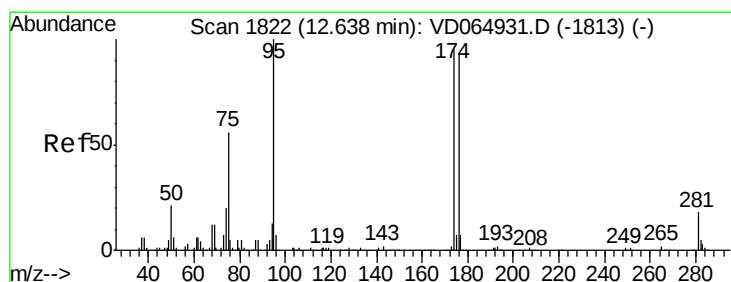
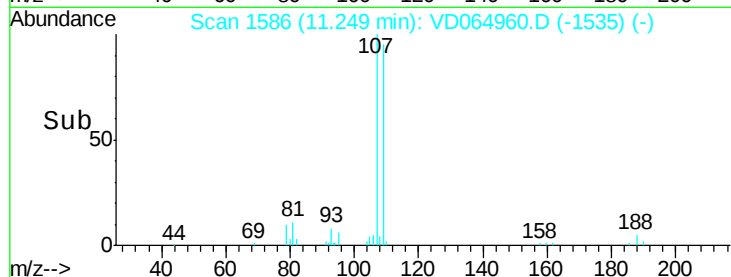
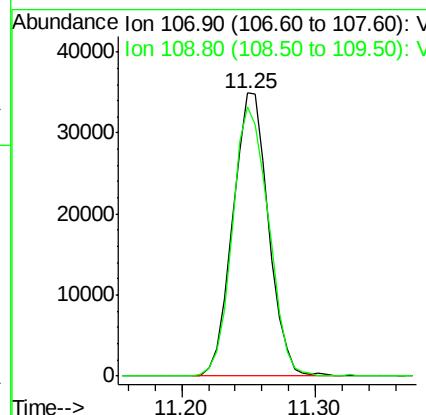
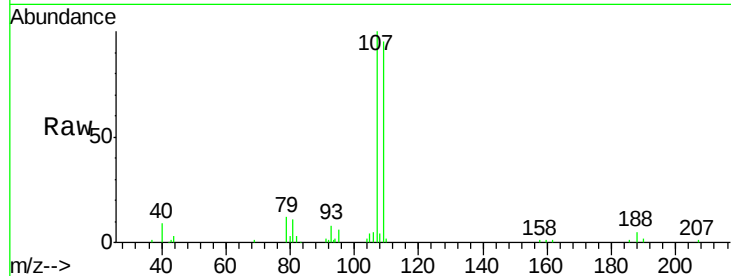
#61
 1,2-Dibromoethane
 Concen: 20.568 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBSD01

Tot Ion: 107 Resp: 64936
 Ion Ratio Lower Upper
 107 100
 109 96.4 77.1 115.7

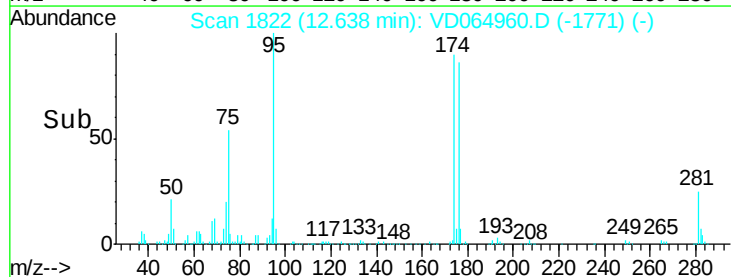
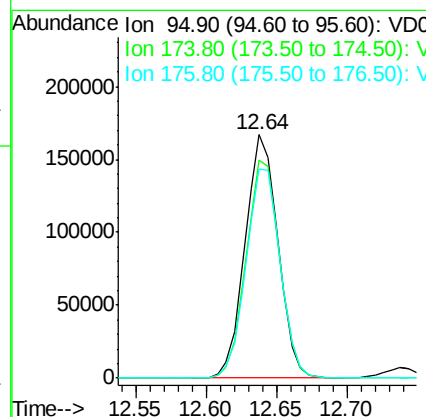
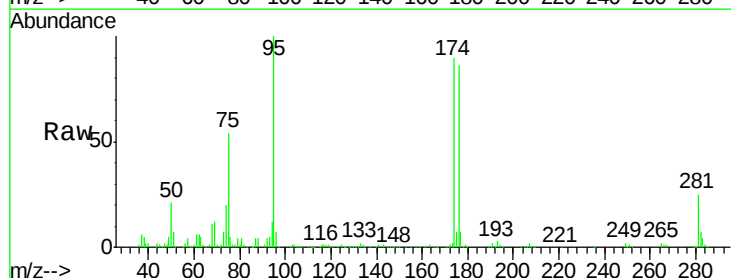
Manual Integrations
 APPROVED

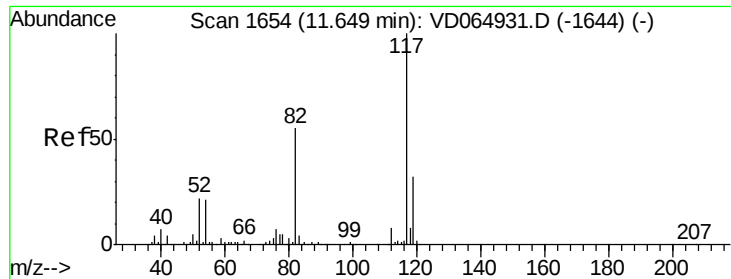
MMDadoda
 1/28/2020 3:40:06 PM



#62
 4-Bromofluorobenzene
 Concen: 53.192 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Tgt Ion: 95 Resp: 273407
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 186.8
 176 89.2 0.0 183.4





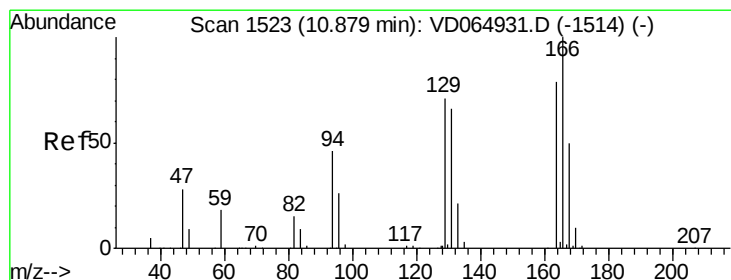
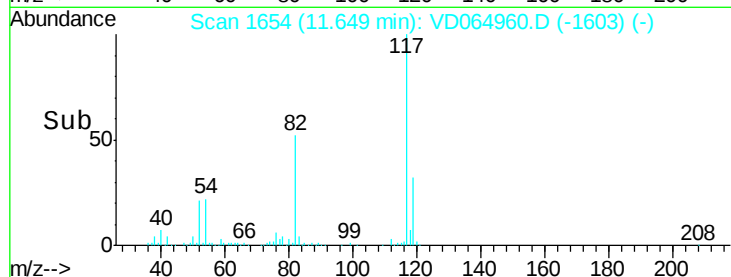
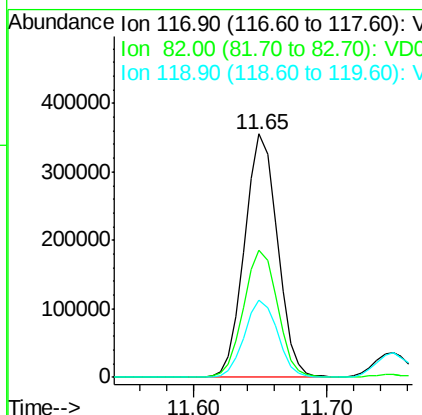
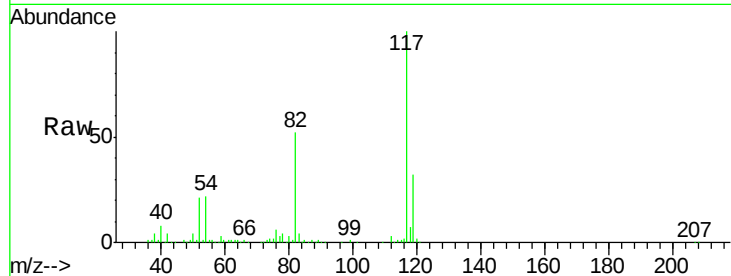
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	43.6	65.4
119	32.0	25.2	37.8

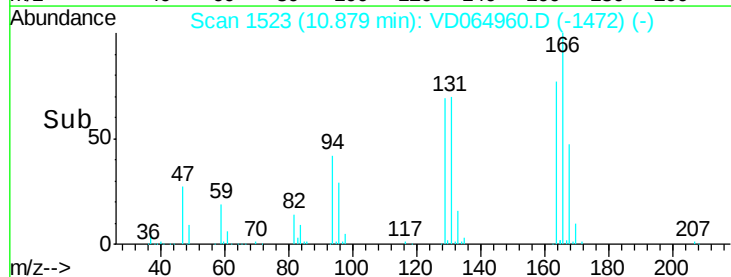
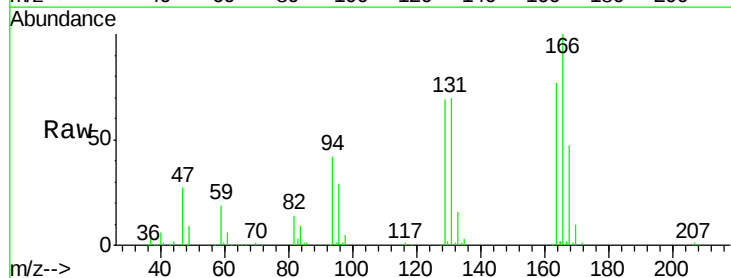
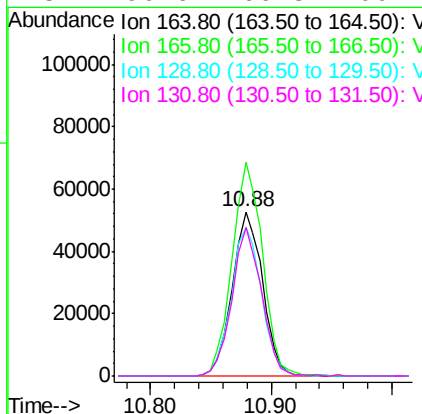
Manual Integrations
APPROVED

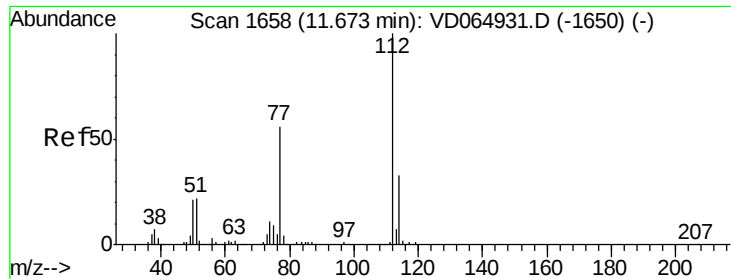
MMDadoda
1/28/2020 3:40:06 PM



#64
Tetrachloroethene
Concen: 21.099 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	101.4	152.2
129	90.3	71.8	107.8
131	90.6	66.8	100.2





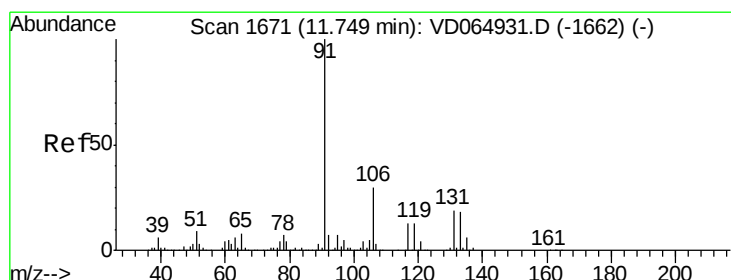
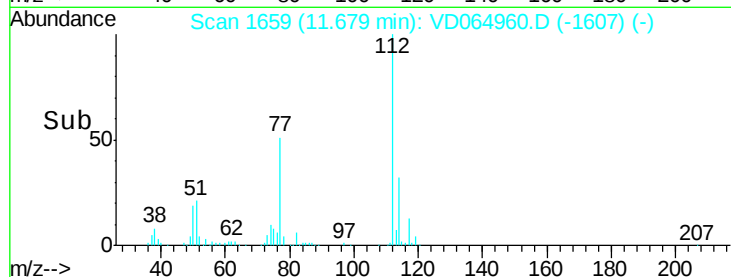
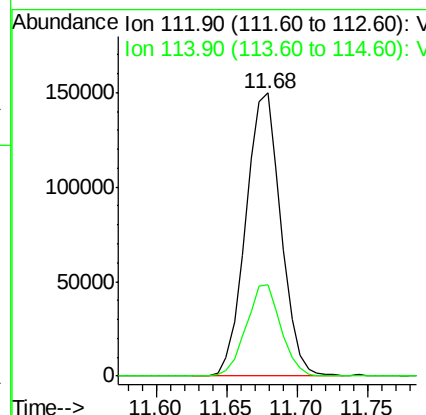
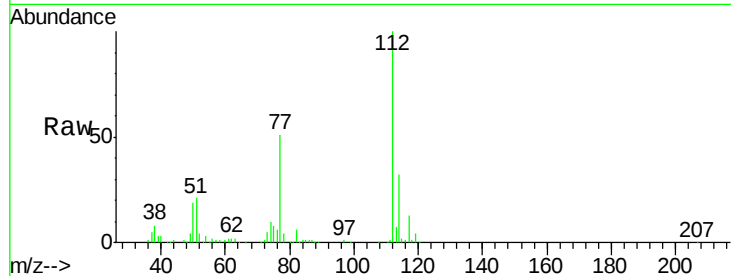
#65
Chlorobenzene
Concen: 21.210 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.2	39.4

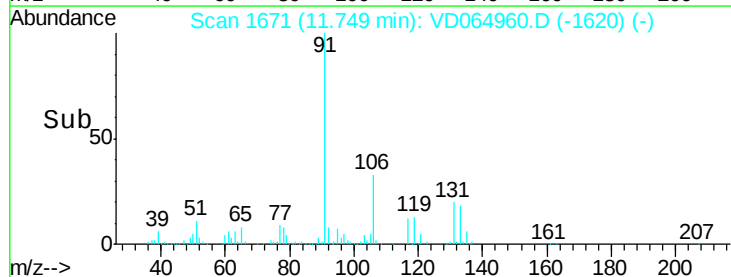
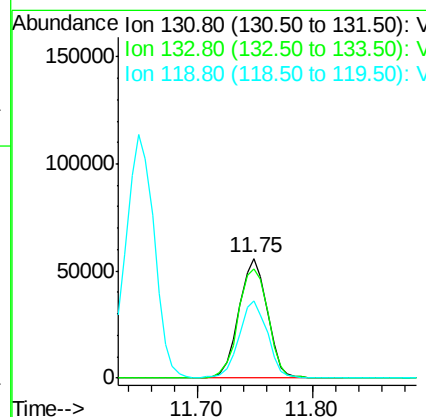
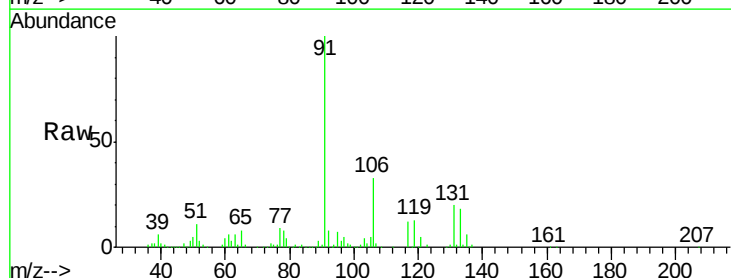
Manual Integrations
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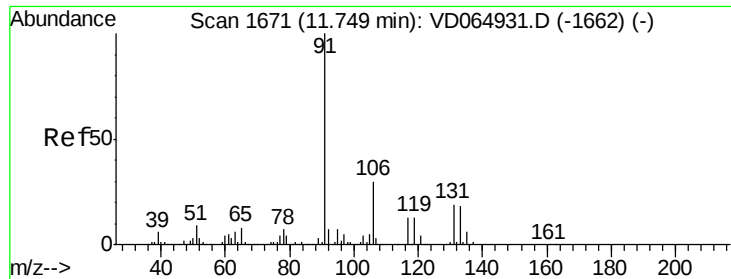
MMDadoda
1/28/2020 3:40:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.631 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.5	142.5
119	63.8	31.1	93.5





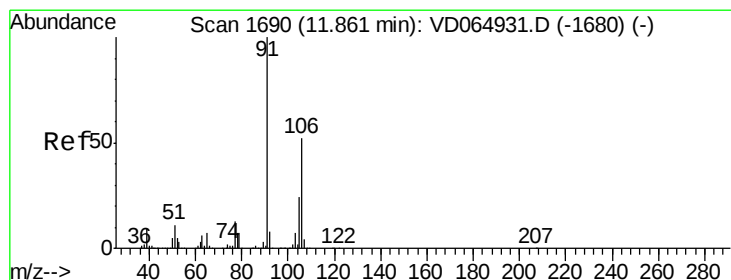
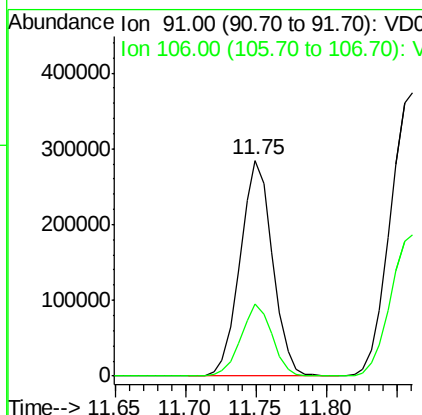
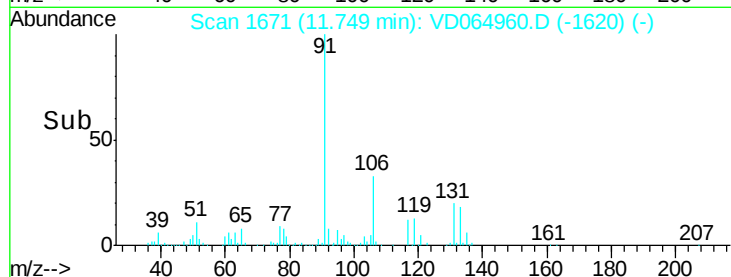
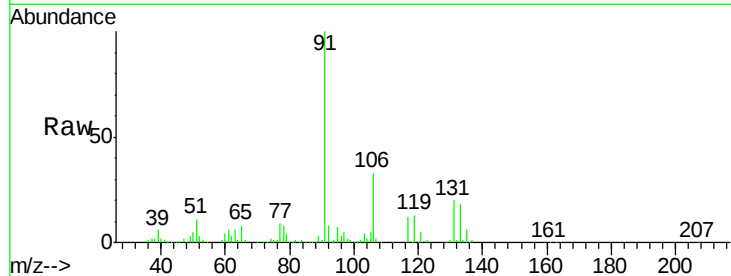
#67
Ethyl Benzene
Concen: 20.908 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion: 91 Resp: 457695
Ion Ratio Lower Upper
91 100
106 33.2 24.3 36.5

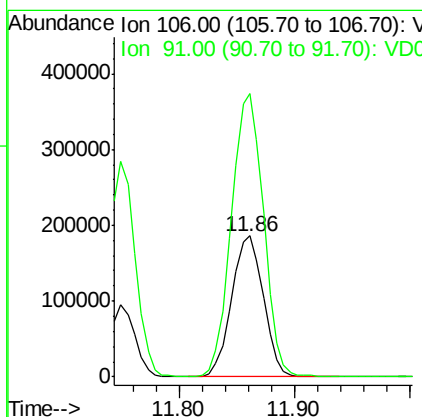
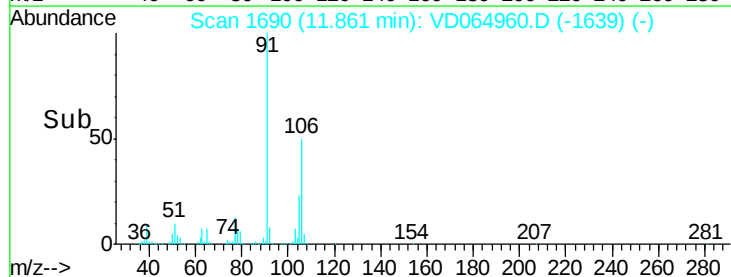
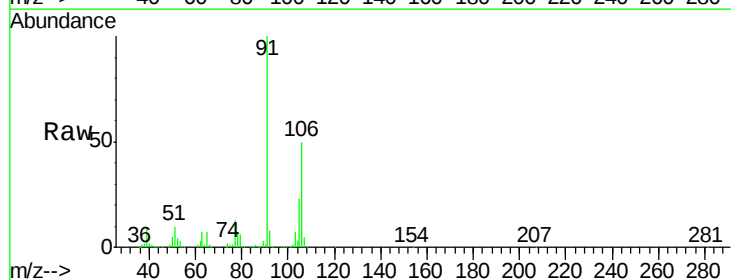
Manual Integrations
APPROVED

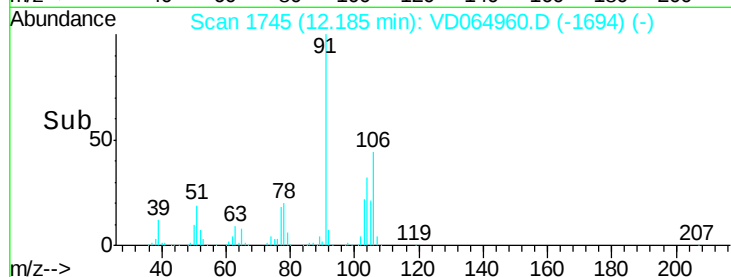
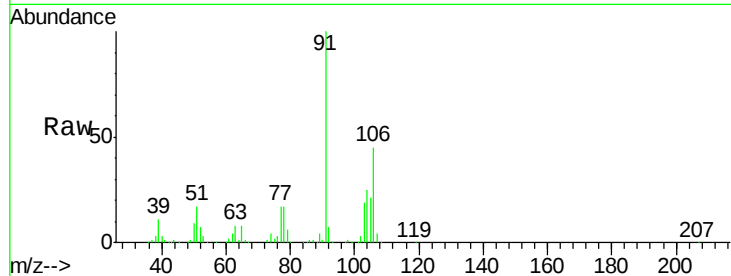
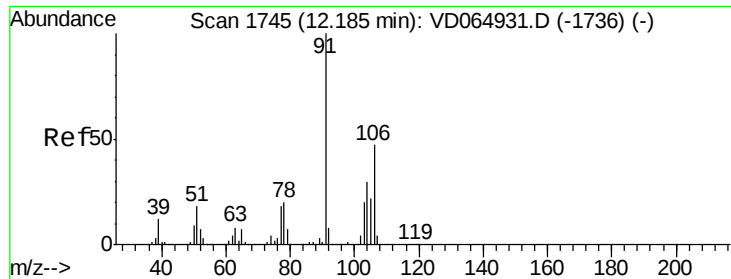
MMDadoda
1/28/2020 3:40:06 PM



#68
m/p-Xylenes
Concen: 42.215 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion: 106 Resp: 355807
Ion Ratio Lower Upper
106 100
91 202.3 159.0 238.4





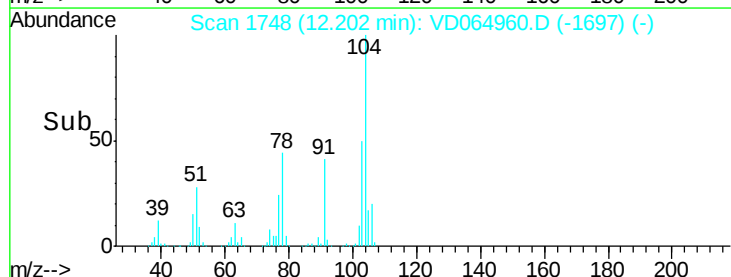
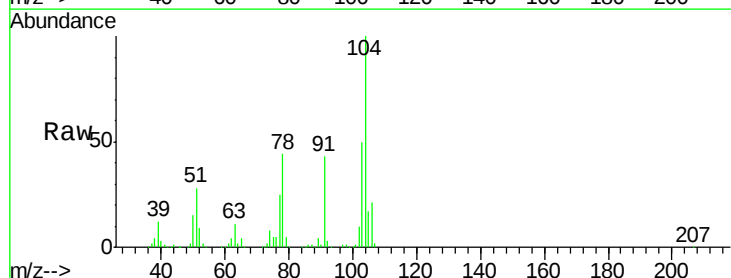
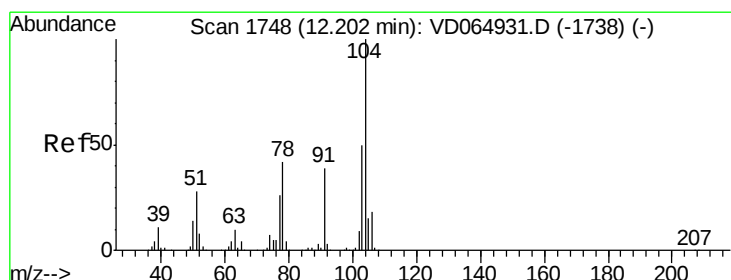
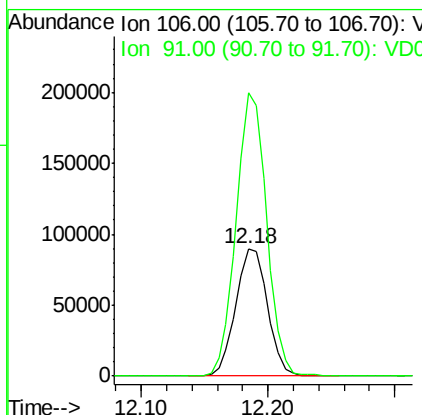
#69
o-Xylene
Concen: 20.836 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tot Ion:106 Resp: 155862
Ion Ratio Lower Upper
106 100
91 213.8 106.7 319.9

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBSD01

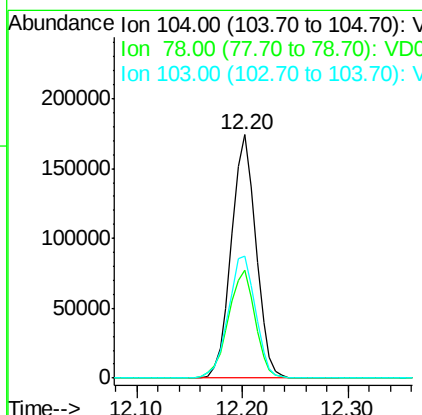
Manual Integrations
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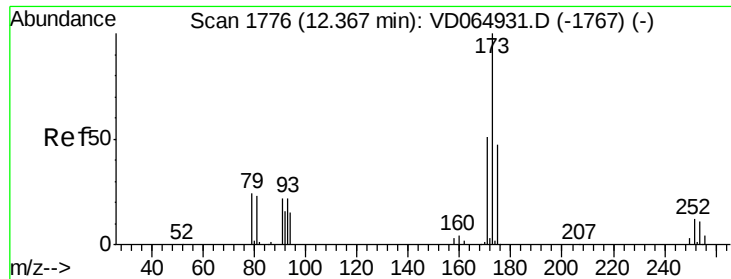
MMDadoda
1/28/2020 3:40:06 PM



#70
Styrene
Concen: 21.010 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion:104 Resp: 279962
Ion Ratio Lower Upper
104 100
78 48.2 38.3 57.5
103 55.4 43.5 65.3





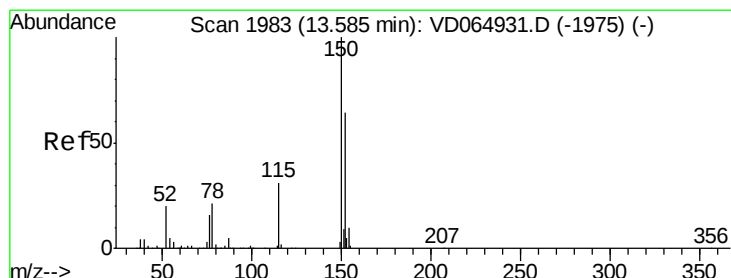
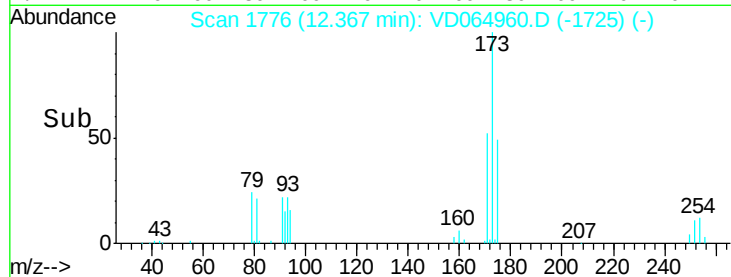
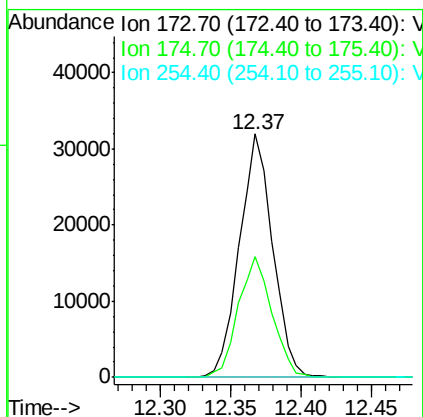
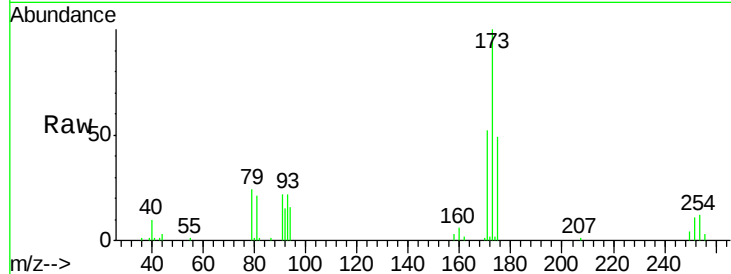
#71
Bromoform
Concen: 20.447 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.6	73.8
254	0.0	0.1	0.1#

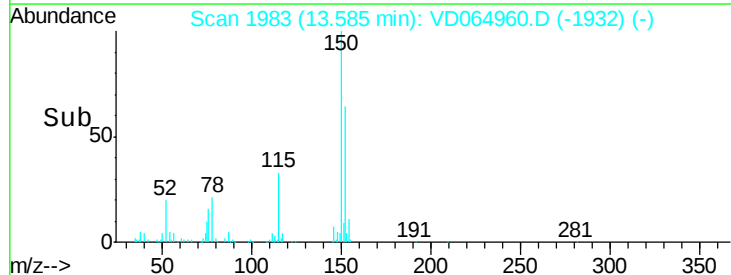
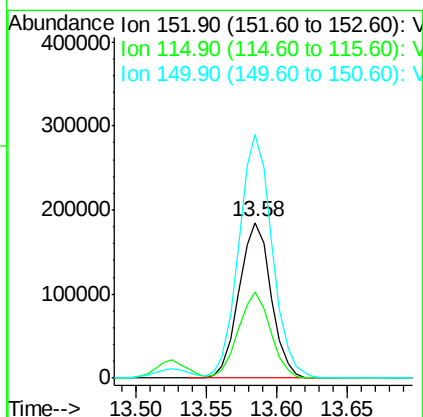
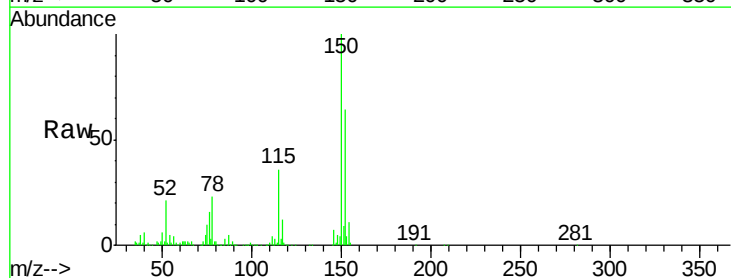
Manual Integrations
APPROVED

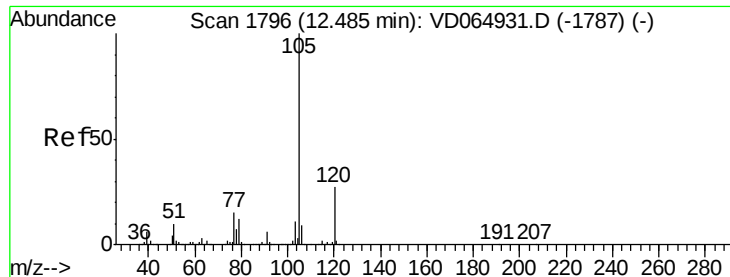
MMDadoda
1/28/2020 3:40:06 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.1	84.4
150	163.4	0.0	350.4





#73

Isopropylbenzene

Concen: 22.202 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion:105 Resp: 445414

Ion Ratio Lower Upper

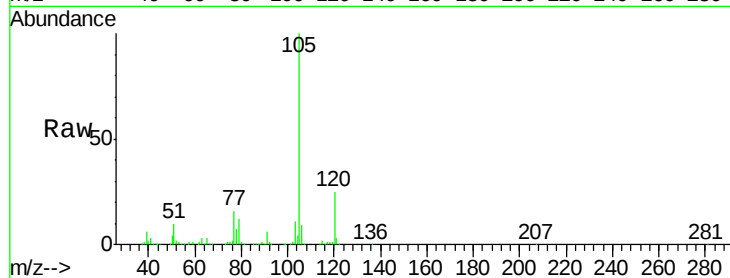
105 100

120 26.1 13.3 39.8

Manual Integrations
APPROVED

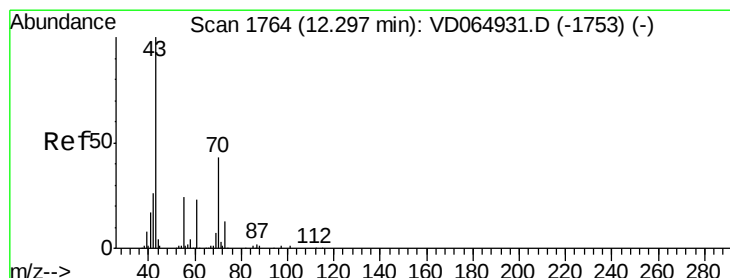
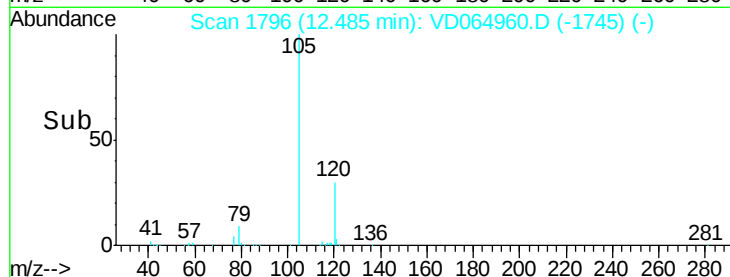
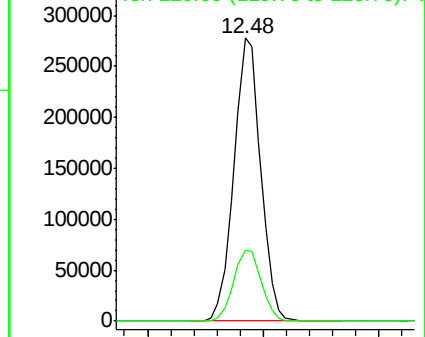
MMDadoda

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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: 19.953 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Tgt Ion: 43 Resp: 89573

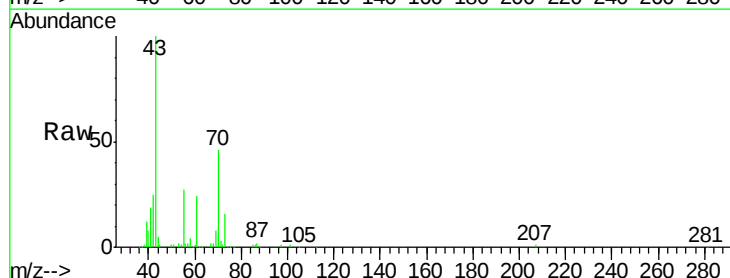
Ion Ratio Lower Upper

43 100

70 42.8 32.6 49.0

55 26.3 19.9 29.9

61 24.2 18.3 27.5

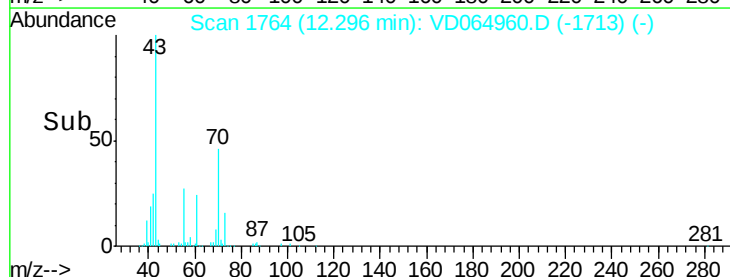
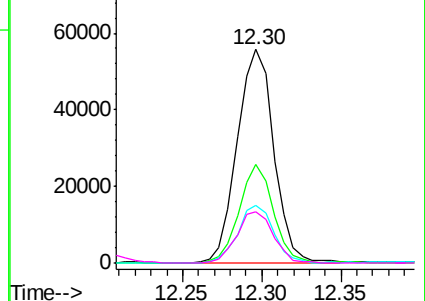


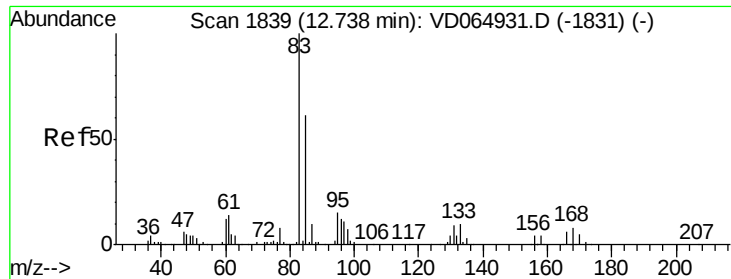
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.262 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

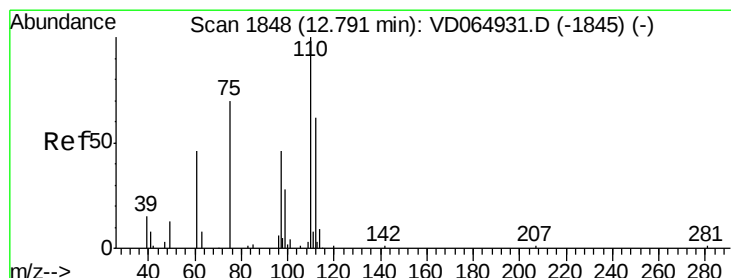
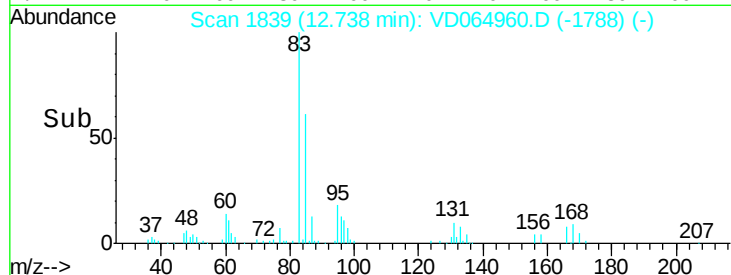
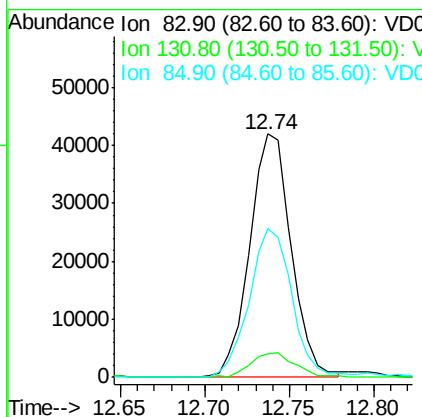
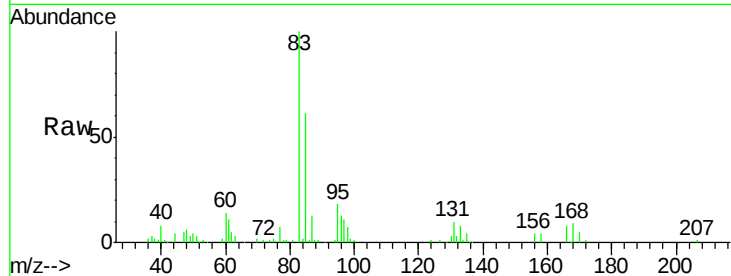
ClientSampleId :

VD0127SBSD01

Tot Ion:	83	Resp:	71694
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	63.1	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.842 ug/l m

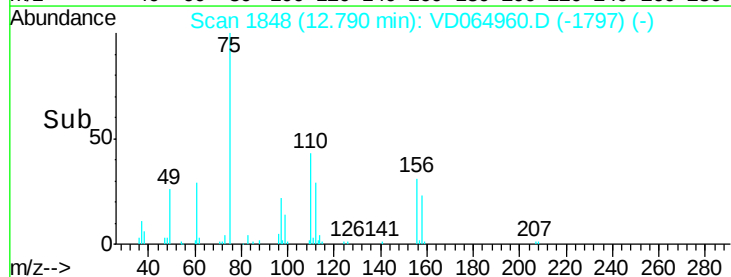
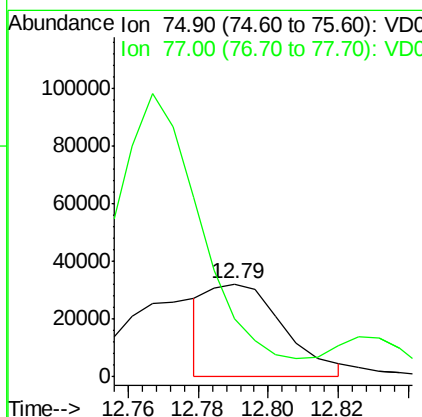
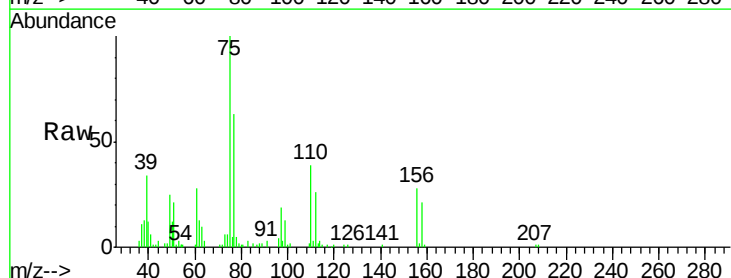
RT: 12.79 min Scan# 1848

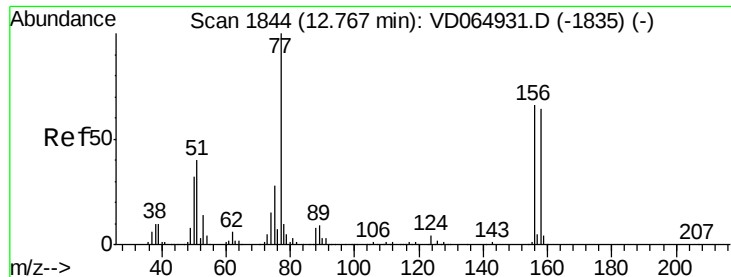
Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Tgt Ion:	75	Resp:	48342
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.442 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

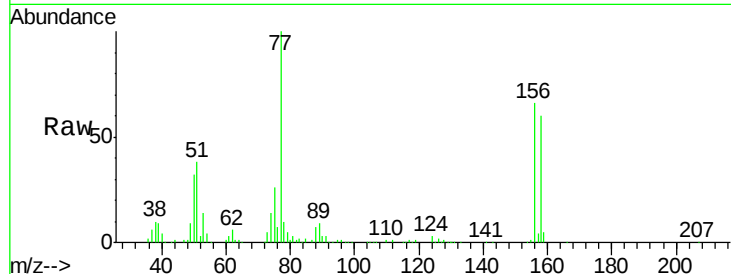
ClientSampleID :

VD0127SBSD01

Tot Ion:	156	Resp:	105251
Ion Ratio	Lower	Upper	
156	100		
77	167.5	84.2	252.5
158	95.8	48.1	144.4

Manual Integrations
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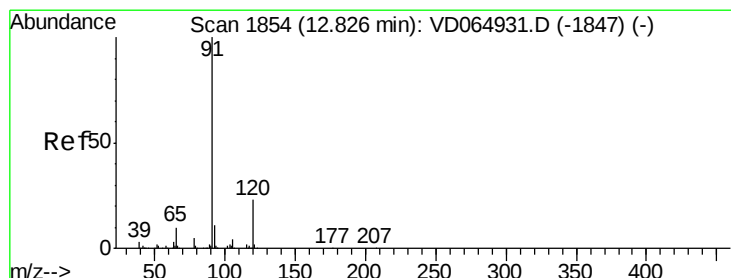
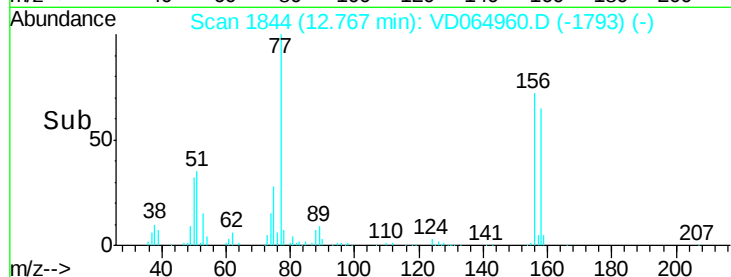
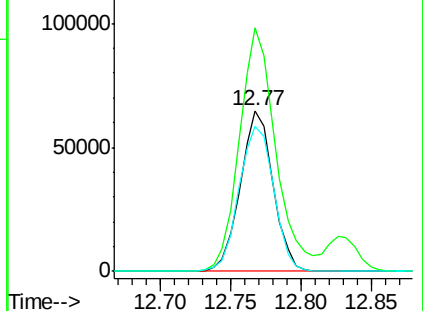
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.110 ug/l

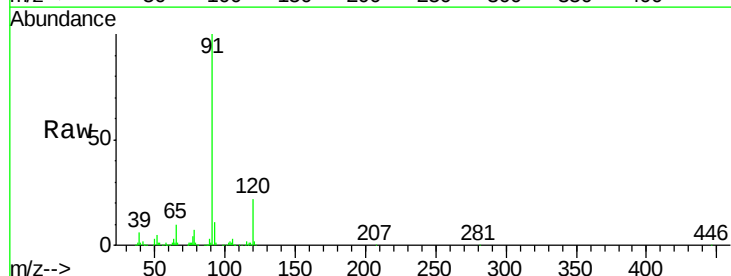
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064960.D

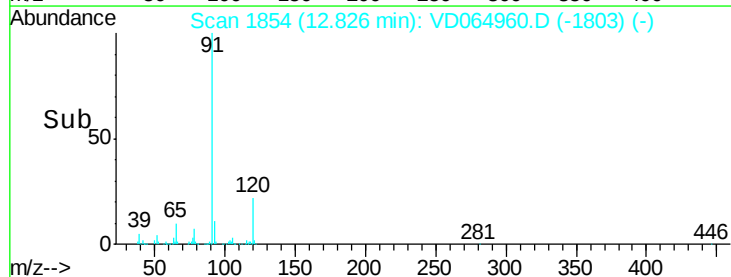
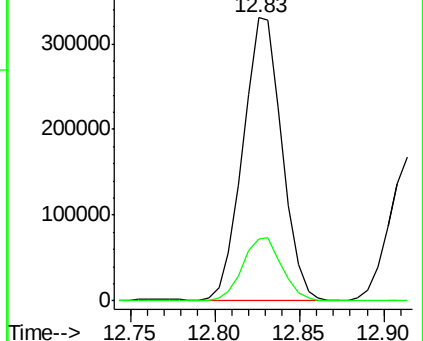
Acq: 27 Jan 2020 13:33

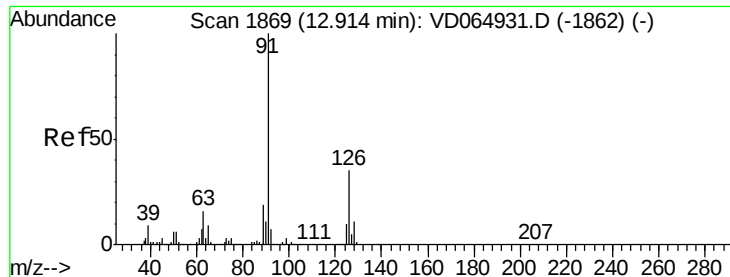
Tgt Ion:	91	Resp:	527510
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.525 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 91 Resp: 281736

Ion Ratio Lower Upper

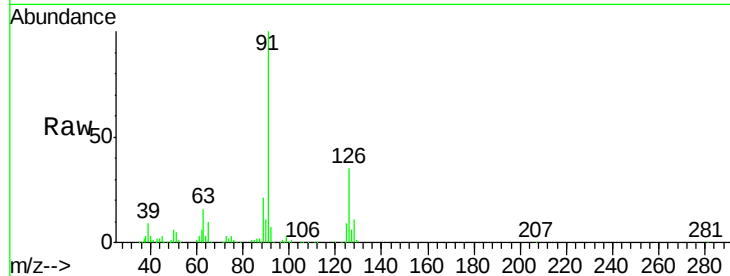
91 100

126 35.7 17.9 53.8

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Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064931.D (-1862) (-)

250000

200000

150000

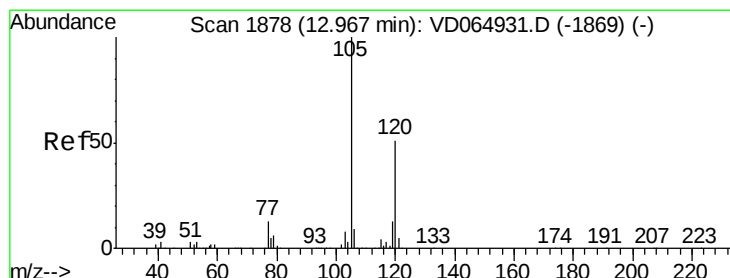
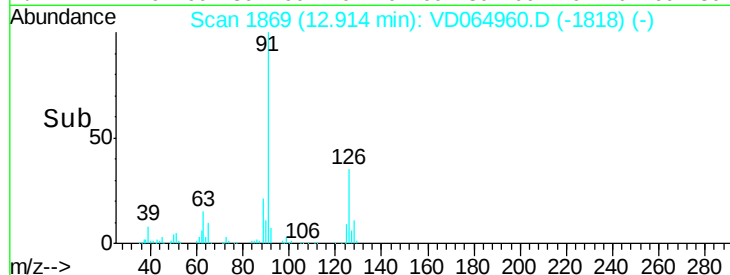
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.629 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064960.D

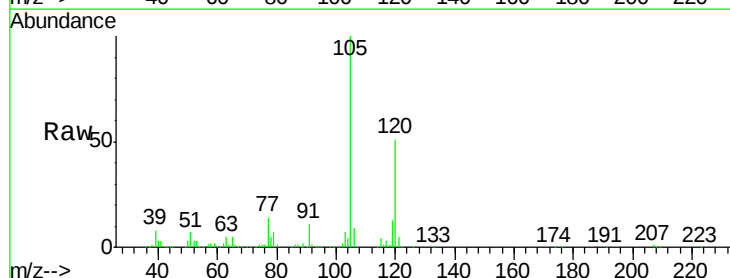
Acq: 27 Jan 2020 13:33

Tgt Ion:105 Resp: 355602

Ion Ratio Lower Upper

105 100

120 50.8 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064931.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD064931.D (-1869) (-)

250000

200000

150000

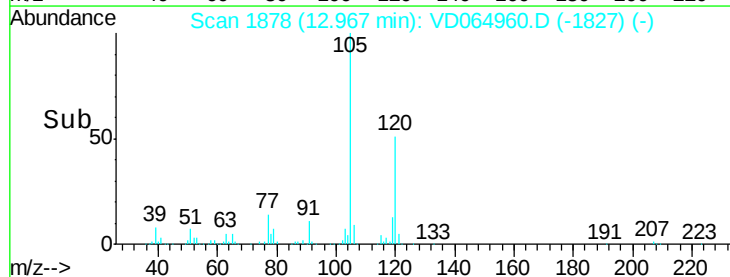
100000

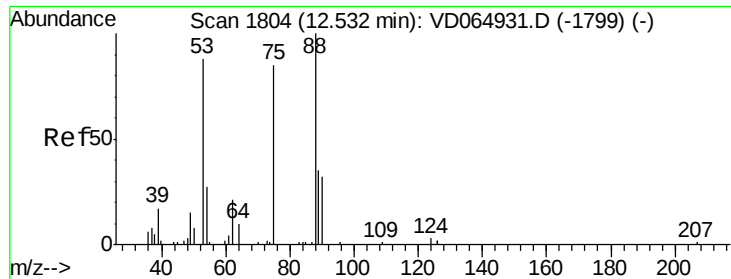
50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.020 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Instrument :

MSVOA_D

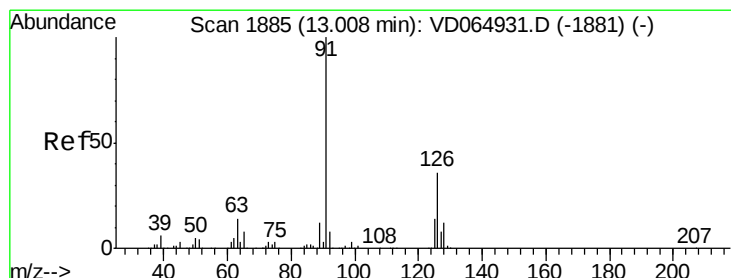
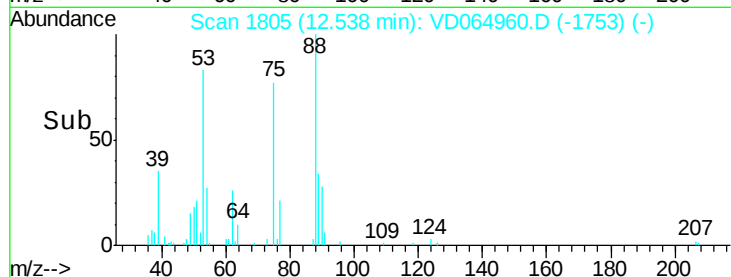
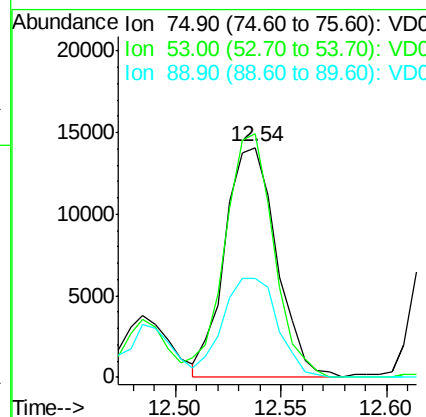
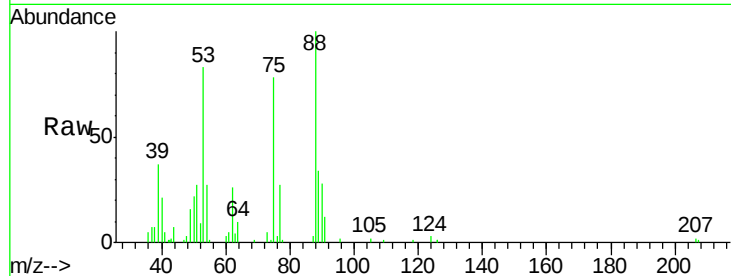
ClientSampleId :

VD0127SBS01

Tot Ion:	75	Resp:	23984
Ion Ratio	Lower	Upper	
75	100		
53	100.1	81.0	121.4
89	46.0	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.579 ug/l

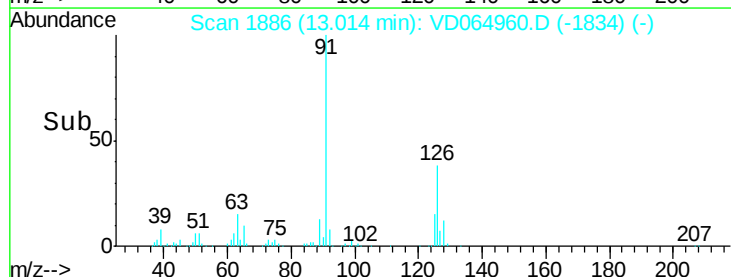
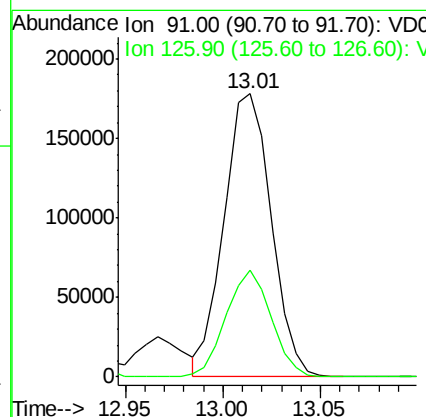
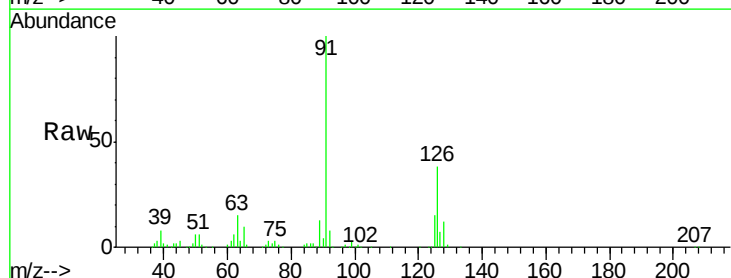
RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Tgt Ion:	91	Resp:	299528
Ion Ratio	Lower	Upper	
91	100		
126	36.1	18.0	54.0





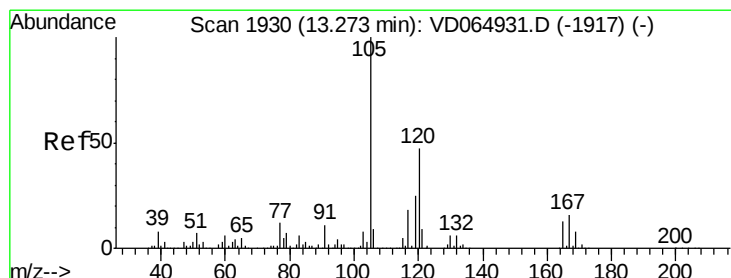
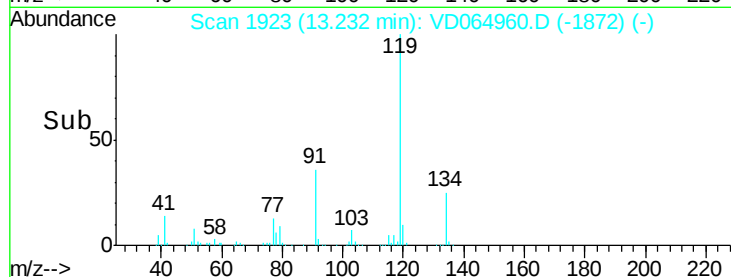
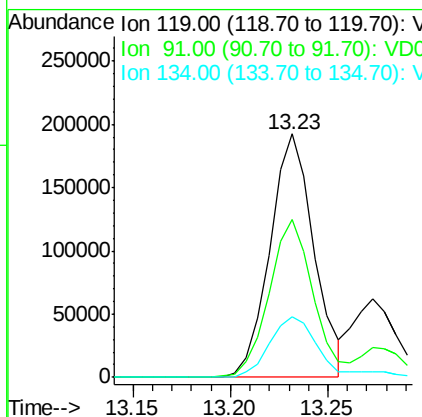
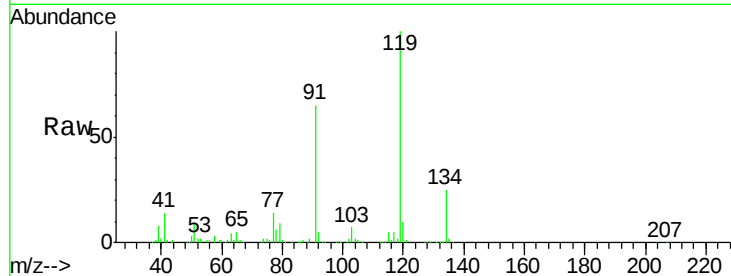
#83
tert-Butylbenzene
Concen: 21.562 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.0	96.0
134	26.1	13.9	41.6

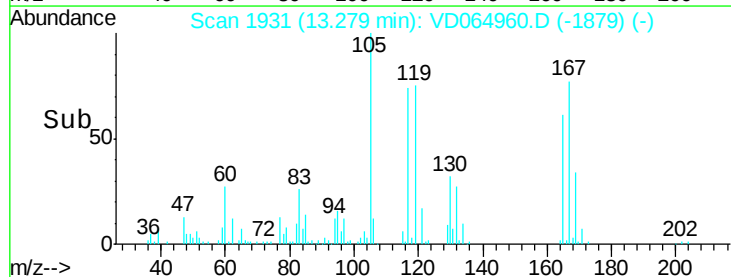
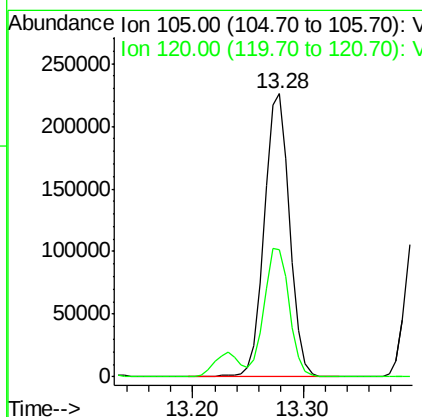
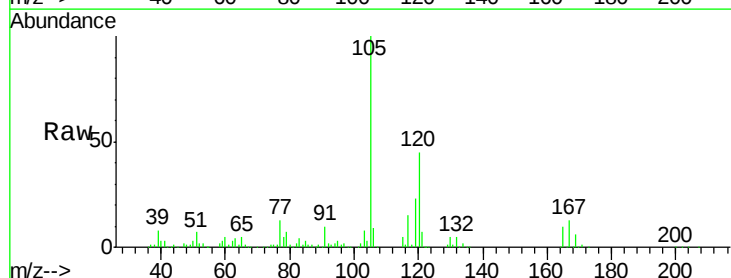
Manual Integrations
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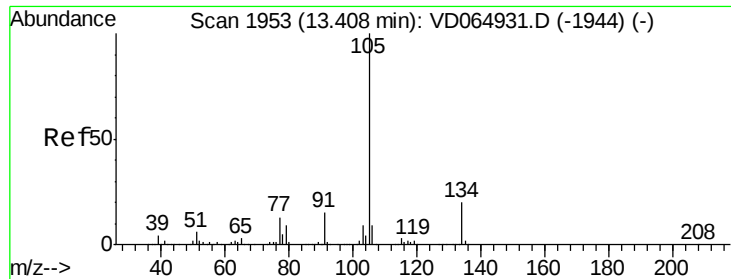
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#84
1,2,4-Trimethylbenzene
Concen: 21.823 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.1	69.3





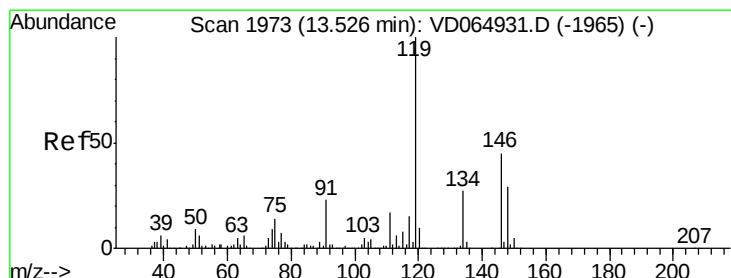
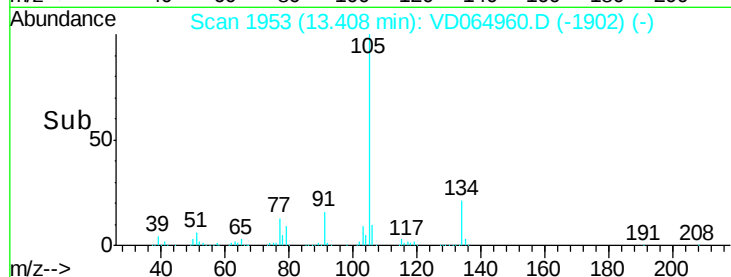
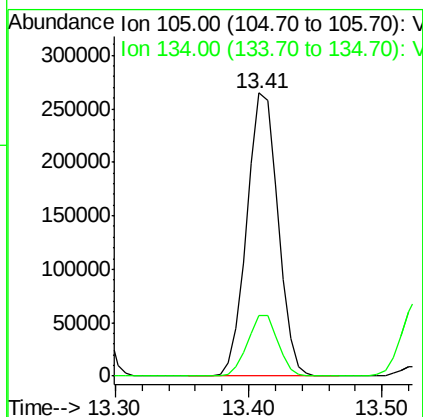
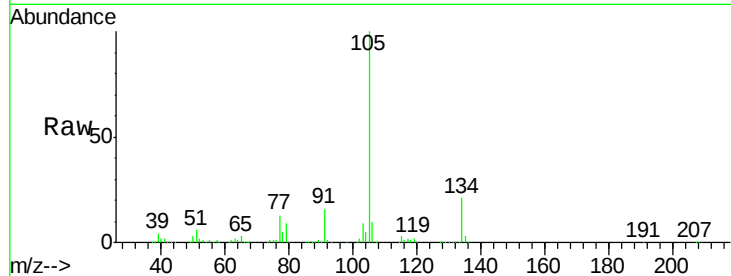
#85
 sec-Butylbenzene
 Concen: 21.537 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.4	31.4

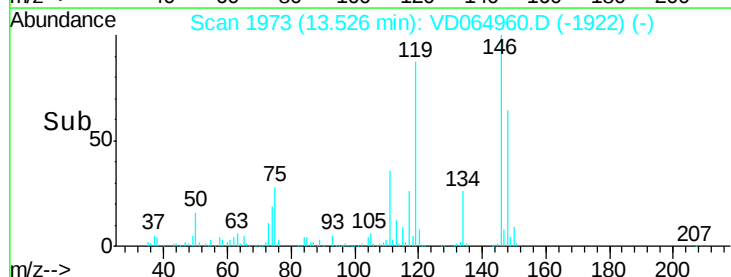
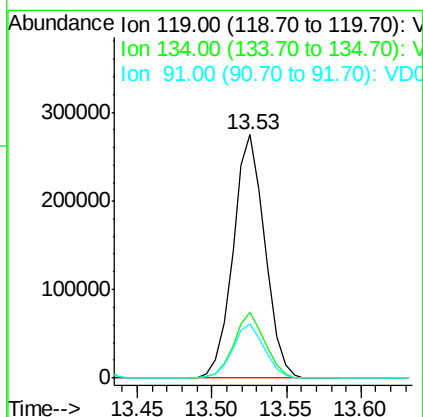
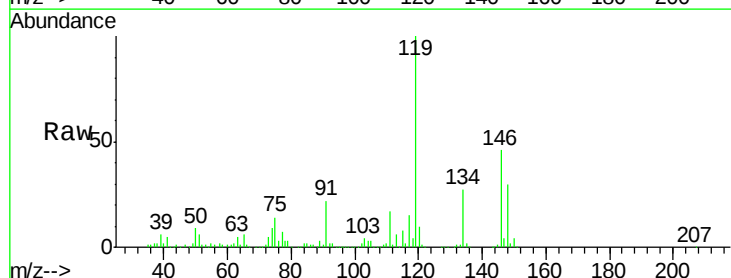
Manual Integrations
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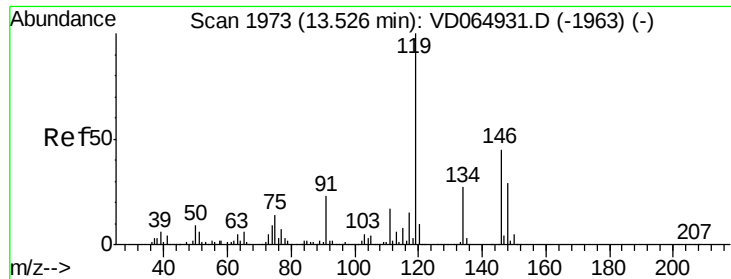
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#86
 p-Isopropyltoluene
 Concen: 21.869 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.9
91	22.4	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 21.460 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

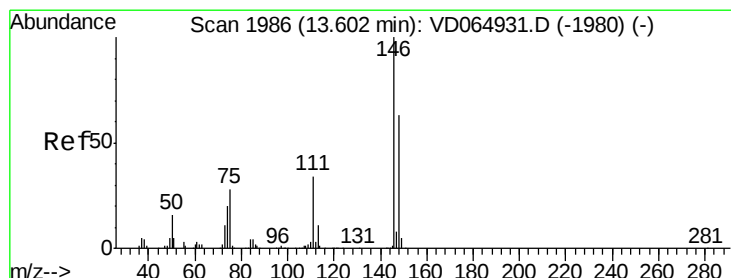
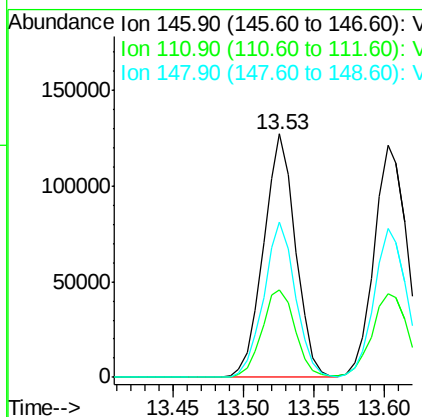
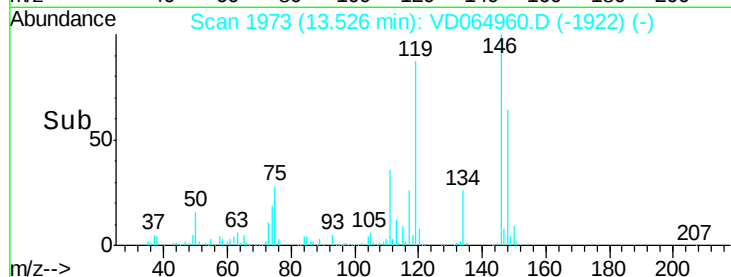
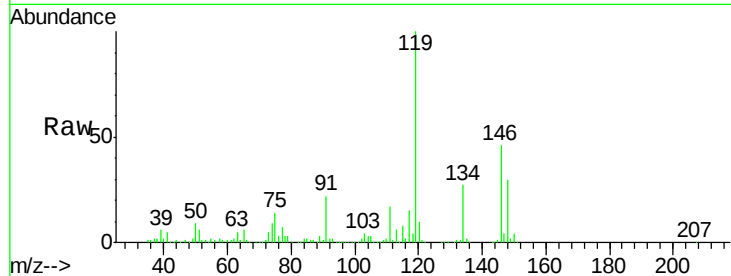
Instrument :
MSVOA_D

ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	202123		
111	37.5	18.9	56.9	
148	63.4	32.6	97.7	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.114 ug/l

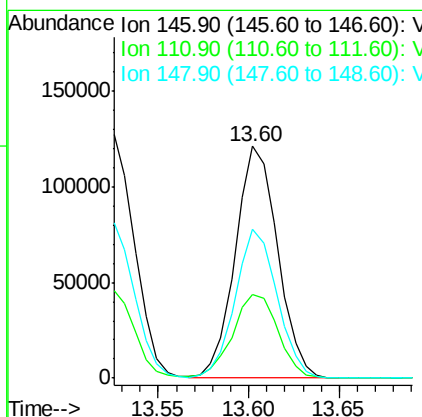
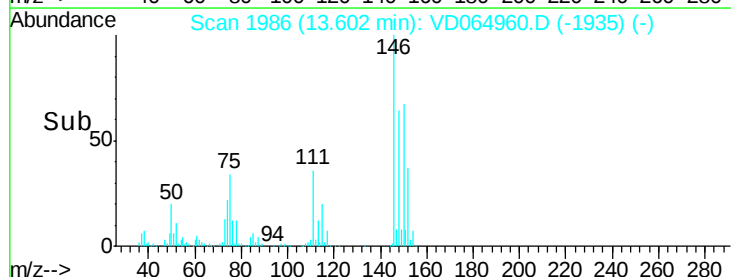
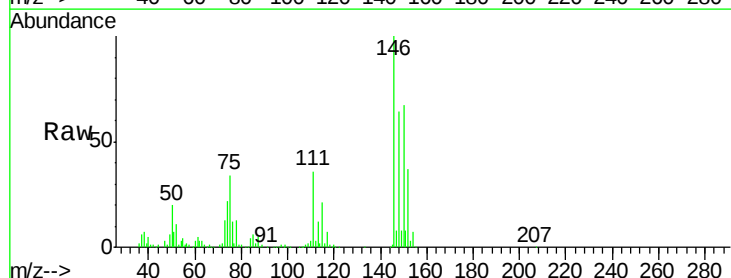
RT: 13.60 min Scan# 1986

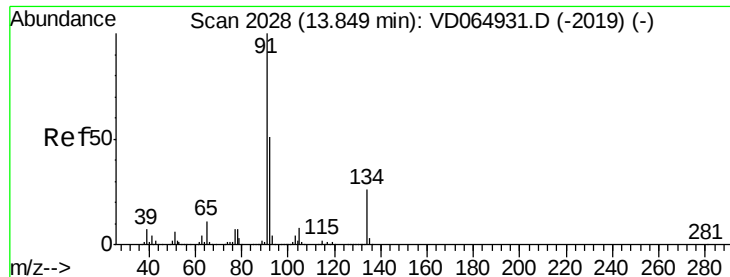
Delta R.T. -0.00 min

Lab File: VD064960.D

Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	197375		
111	38.8	18.2	54.6	
148	63.6	32.0	96.0	





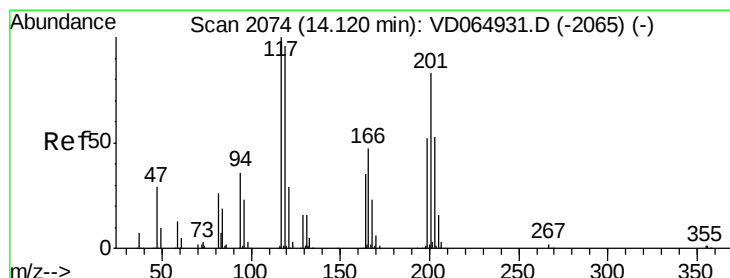
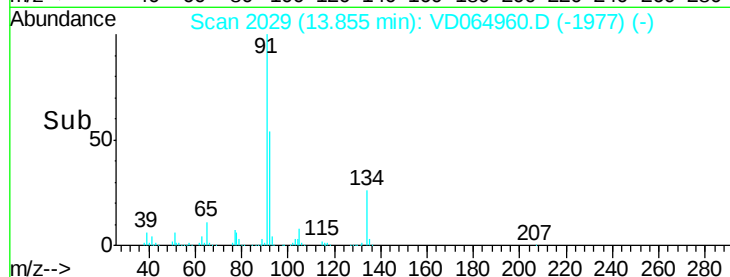
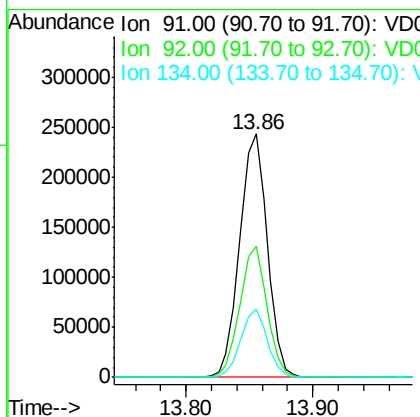
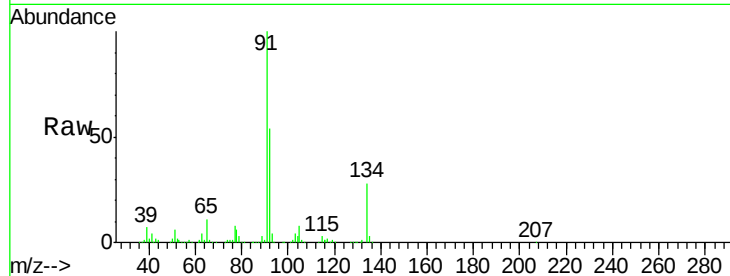
#89
n-Butylbenzene
Concen: 21.856 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.0
134	26.9	13.3	39.9

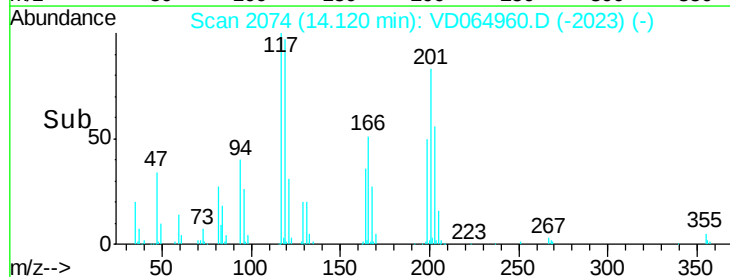
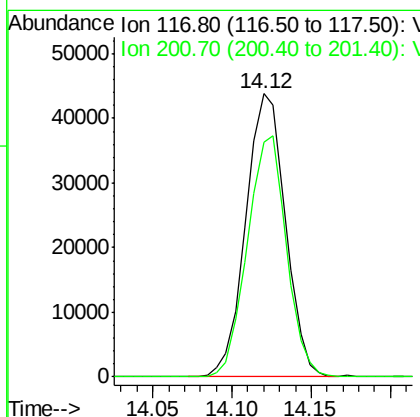
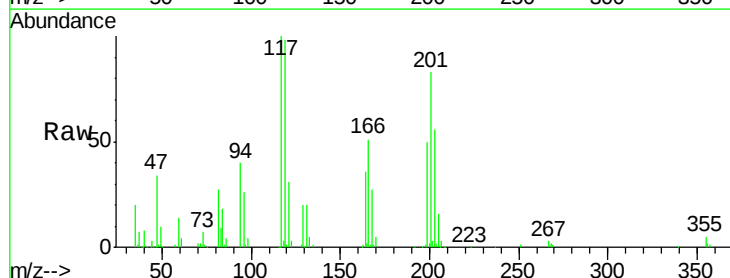
Manual Integrations
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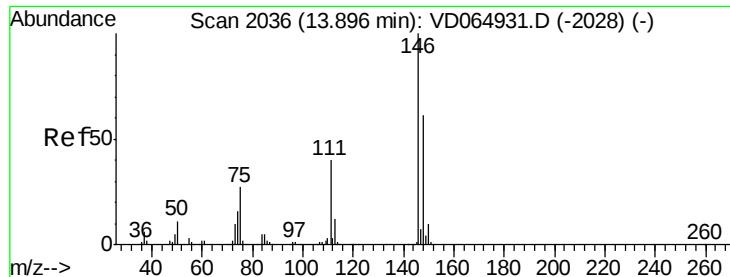
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#90
Hexachloroethane
Concen: 21.401 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	41.1	123.3





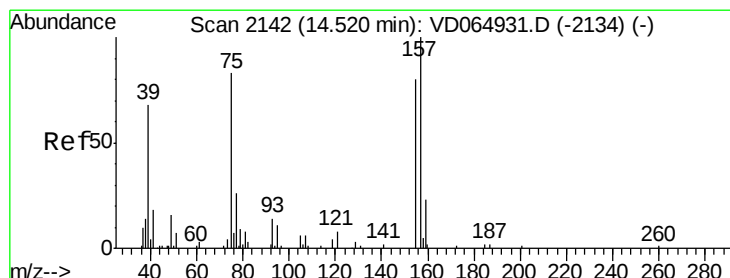
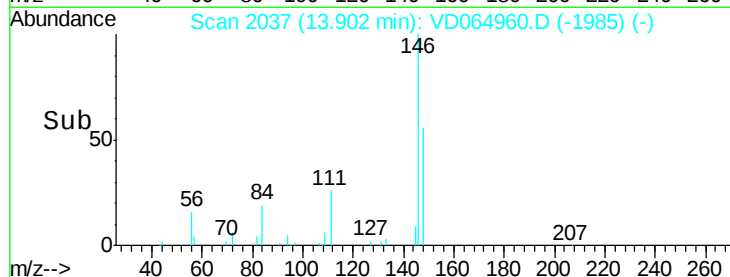
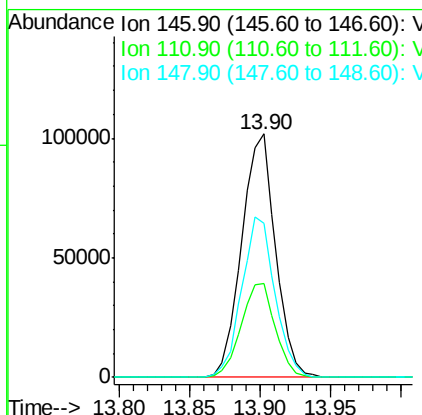
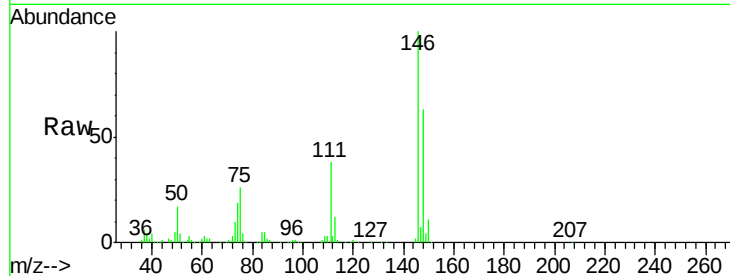
#91
 1,2-Dichlorobenzene
 Concen: 21.311 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0127SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	64.7	31.6	95.0

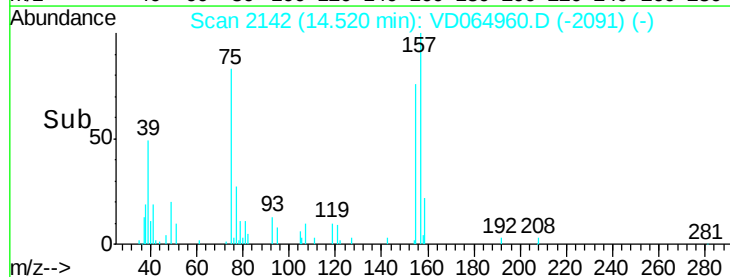
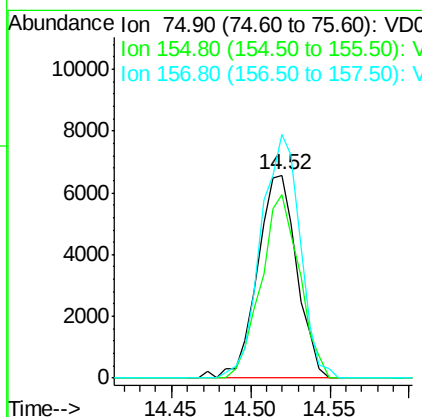
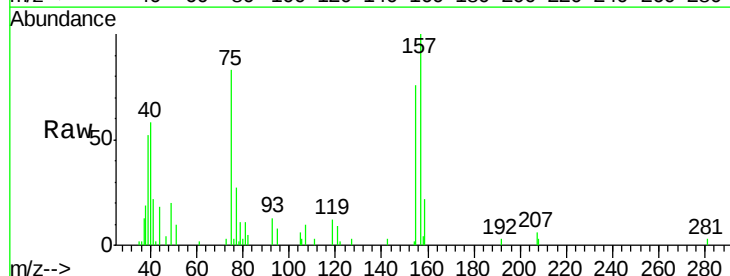
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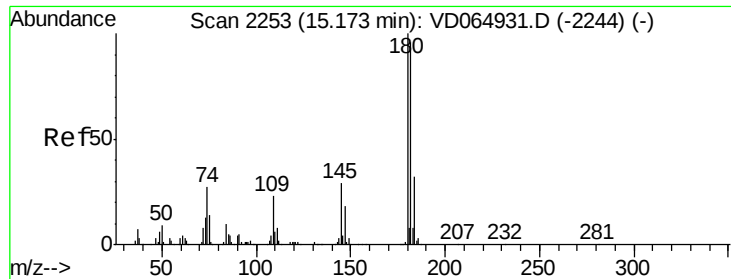
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.071 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	44.9	134.7
157	119.1	58.9	176.6





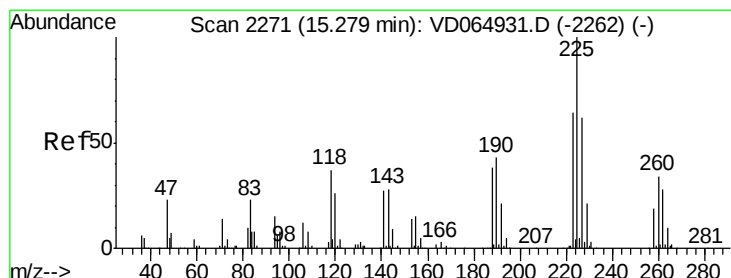
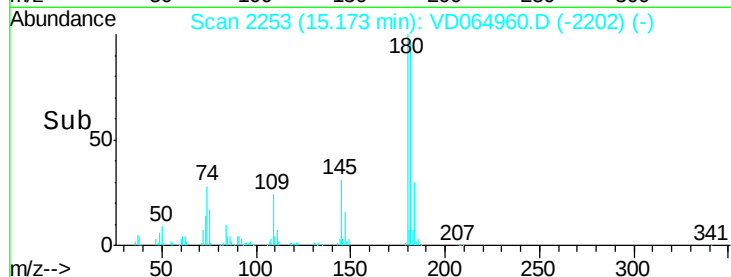
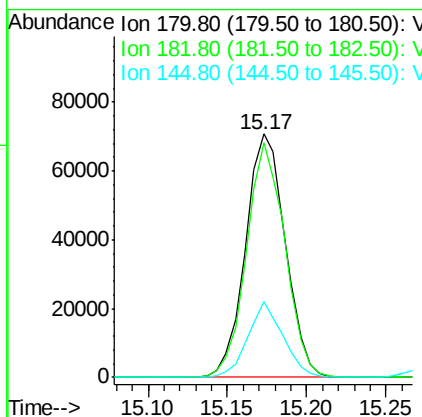
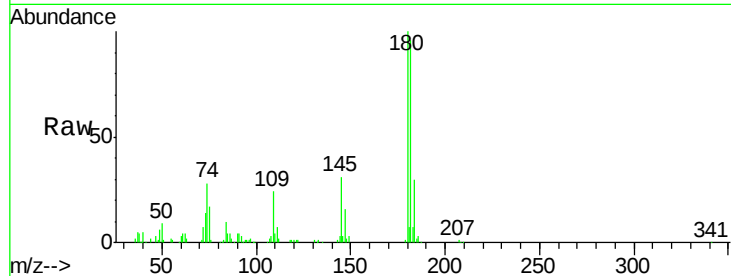
#93
 1,2,4-Trichlorobenzene
 Concen: 22.247 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123061		
182	93.6	47.1	141.4	
145	27.8	14.1	42.3	

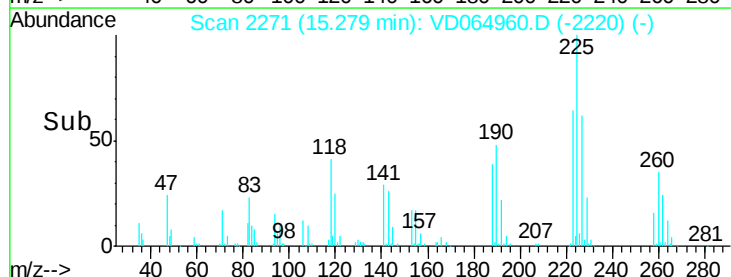
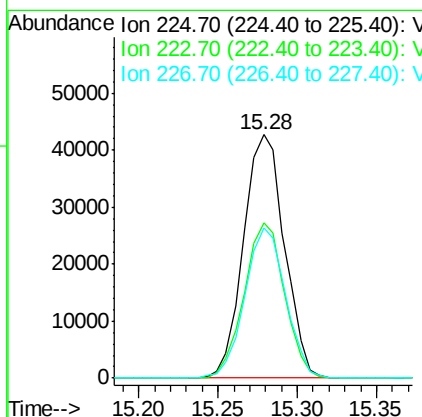
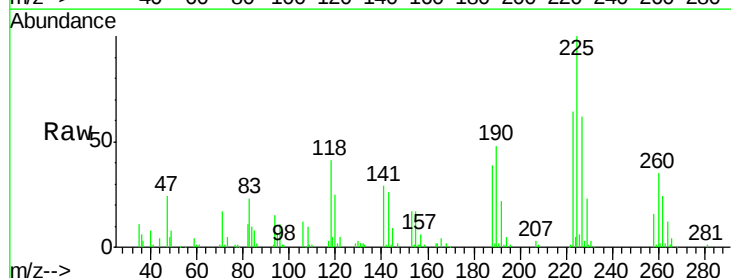
Manual Integrations
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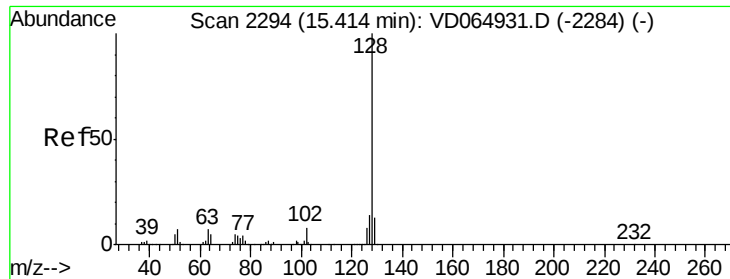
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#94
 Hexachlorobutadiene
 Concen: 21.934 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064960.D
 Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76744		
223	63.0	32.4	97.2	
227	60.9	31.9	95.9	





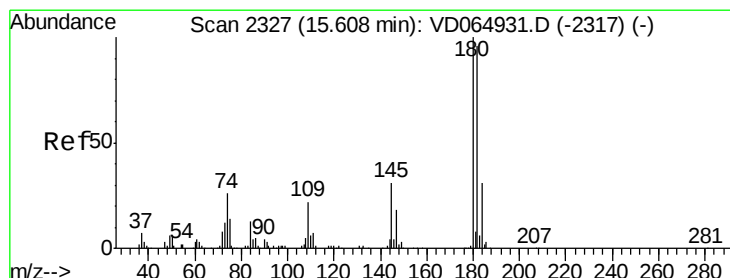
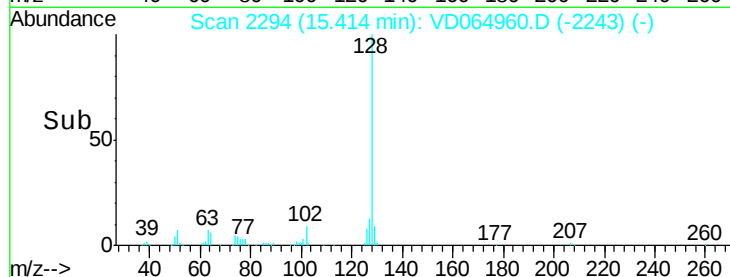
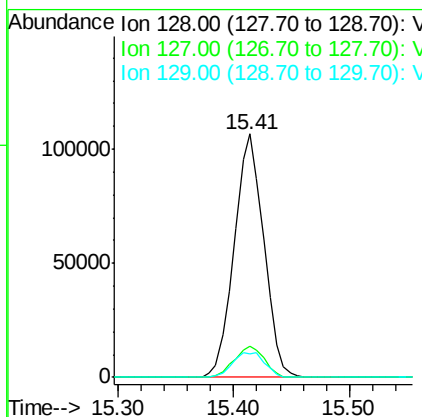
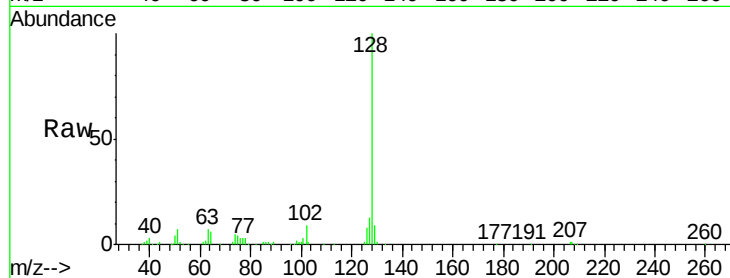
#95
Naphthalene
Concen: 21.195 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	189217		
127	13.2	10.6	15.8	
129	11.1	9.3	13.9	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.506 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064960.D
Acq: 27 Jan 2020 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	103150		
182	96.9	47.3	141.8	
145	31.2	14.6	43.8	

