

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012720\
 Data File : VD064957.D
 Acq On : 27 Jan 2020 10:28
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 3:39:56 PM

Quant Time: Jan 27 11:23:31 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	520280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	747491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	652608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317951	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	245287	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
35) Dibromofluoromethane	7.91	113	243262	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
50) Toluene-d8	10.34	98	950133	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.64	95	294067	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	224132	57.183	ug/l	98
3) Chloromethane	2.21	50	290725	50.609	ug/l	97
4) Vinyl Chloride	2.35	62	341018	51.686	ug/l	98
5) Bromomethane	2.77	94	211577	47.671	ug/l	97
6) Chloroethane	2.93	64	214395	49.288	ug/l	100
7) Trichlorofluoromethane	3.27	101	515602	50.600	ug/l	99
8) Diethyl Ether	3.71	74	112389	48.858	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	263015	55.480	ug/l	99
10) Methyl Iodide	4.29	142	279156	55.474	ug/l	100
11) Tert butyl alcohol	5.25	59	61885	224.396	ug/l	97
12) 1,1-Dichloroethene	4.06	96	249059	54.993	ug/l	94
13) Acrolein	3.93	56	102795	297.331	ug/l	94
14) Allyl chloride	4.70	41	401329	55.561	ug/l	98
15) Acrylonitrile	5.43	53	245159	246.109	ug/l	100
16) Acetone	4.16	43	331350	286.904	ug/l	98
17) Carbon Disulfide	4.40	76	804462	53.972	ug/l	99
18) Methyl Acetate	4.72	43	111275	47.608	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	518774	51.265	ug/l	99
20) Methylene Chloride	4.96	84	256460	53.263	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	278217	53.320	ug/l	98
22) Diisopropyl ether	6.37	45	770470	53.522	ug/l	99
23) Vinyl Acetate	6.31	43	2212453	262.505	ug/l	98
24) 1,1-Dichloroethane	6.26	63	467929	52.942	ug/l	98
25) 2-Butanone	7.22	43	357322	265.020	ug/l	100
26) 2,2-Dichloropropane	7.21	77	444508	55.446	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	294294	52.843	ug/l	99
28) Bromochloromethane	7.55	49	152178	43.052	ug/l	100
29) Tetrahydrofuran	7.57	42	198692	238.843	ug/l	99
30) Chloroform	7.71	83	475121	52.003	ug/l	98
31) Cyclohexane	7.98	56	454333	52.254	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	449897	52.931	ug/l	99
36) 1,1-Dichloropropene	8.11	75	394925	54.790	ug/l	99
37) Ethyl Acetate	7.30	43	147977	49.702	ug/l	98
38) Carbon Tetrachloride	8.10	117	419491	55.062	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	478982	56.839	ug/l	95
40) Benzene	8.35	78	1069521	53.876	ug/l	97
41) Methacrylonitrile	7.53	41	90071	56.159	ug/l	95
42) 1,2-Dichloroethane	8.43	62	298334	50.450	ug/l	98
43) Isopropyl Acetate	8.46	43	276994	48.978	ug/l	99
44) Trichloroethene	9.11	130	304889	54.877	ug/l	98
45) 1,2-Dichloropropane	9.38	63	254450	52.873	ug/l	100
46) Dibromomethane	9.48	93	132577	50.459	ug/l	99
47) Bromodichloromethane	9.67	83	361024	52.806	ug/l	99
48) Methyl methacrylate	9.46	41	132255	50.817	ug/l	97
49) 1,4-Dioxane	9.47	88	29822	978.658	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	703384	248.564	ug/l	100
52) Toluene	10.41	92	691316	54.014	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	343269	52.710	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	412392	54.085	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	179651	50.761	ug/l	98
56) Ethyl methacrylate	10.67	69	223265	52.754	ug/l	99
57) 1,3-Dichloropropane	10.95	76	311664	51.343	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	323664	230.197	ug/l	99
59) 2-Hexanone	10.99	43	558072	285.911	ug/l	99
60) Dibromochloromethane	11.14	129	246409	52.092	ug/l	99
61) 1,2-Dibromoethane	11.25	107	173027	50.774	ug/l	98
64) Tetrachloroethene	10.88	164	262145	55.587	ug/l	99
65) Chlorobenzene	11.68	112	716788	54.095	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	270907	54.364	ug/l	99
67) Ethyl Benzene	11.75	91	1329567	56.520	ug/l	100
68) m/p-Xylenes	11.86	106	1039814	114.805	ug/l	99
69) o-Xylene	12.18	106	453287	56.390	ug/l	99
70) Styrene	12.20	104	808066	56.432	ug/l	99
71) Bromoform	12.37	173	141262	50.995	ug/l #	99
73) Isopropylbenzene	12.48	105	1268682	58.379	ug/l	100
74) N-amyl acetate	12.30	43	253639	52.159	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	182484	49.962	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	128918m	48.851	ug/l	
77) Bromobenzene	12.77	156	289935	54.528	ug/l	99
78) n-propylbenzene	12.83	91	1511950	58.503	ug/l	99
79) 2-Chlorotoluene	12.91	91	806058	56.854	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1042340	58.529	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	65238	52.784	ug/l	97
82) 4-Chlorotoluene	13.01	91	848759	56.450	ug/l	98
83) tert-Butylbenzene	13.23	119	905873	59.940	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	1033070	57.263	ug/l	100
85) sec-Butylbenzene	13.41	105	1239404	57.919	ug/l	100
86) p-Isopropyltoluene	13.53	119	1183157	59.087	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	568456	55.719	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	551252	54.441	ug/l	100
89) n-Butylbenzene	13.85	91	1081708	59.194	ug/l	100
90) Hexachloroethane	14.12	117	218273	56.525	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	474888	54.829	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.53	75	28876	49.402	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	331371	55.303	ug/l	99
94) Hexachlorobutadiene	15.28	225	210637	55.576	ug/l	99
95) Naphthalene	15.41	128	530867	54.897	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	279117	53.724	ug/l	98

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

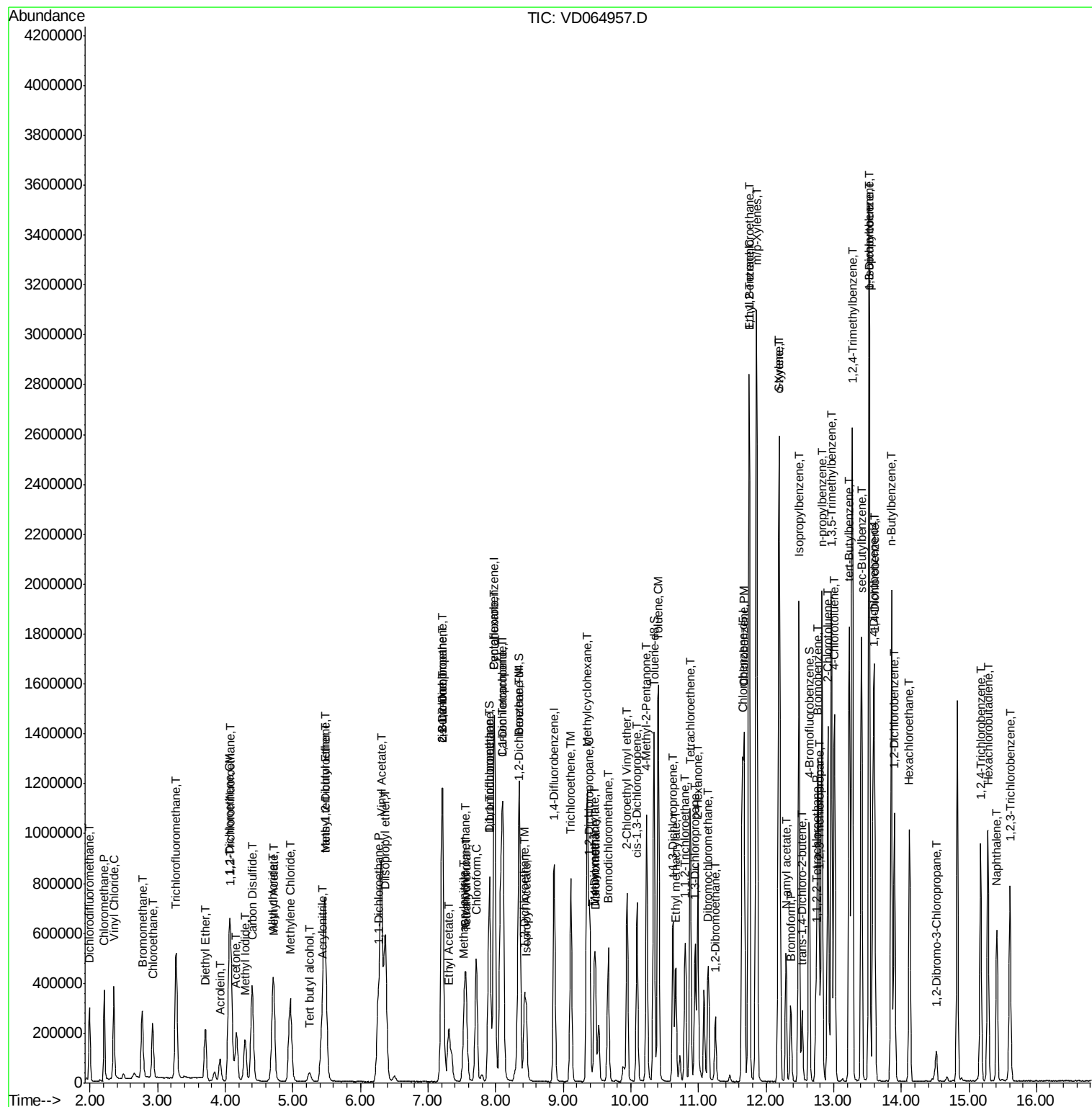
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Data File : VD064957.D
Acq On : 27 Jan 2020 10:28
Operator : VA/SY
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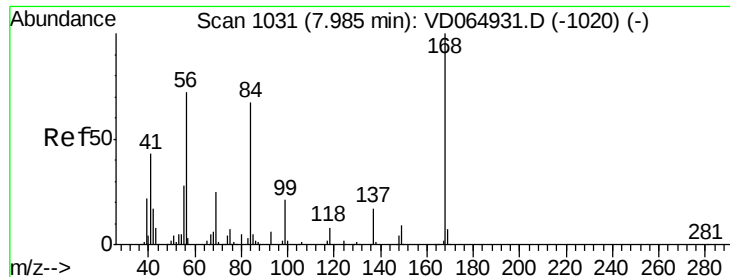
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 520280

Ion Ratio Lower Upper

168 100

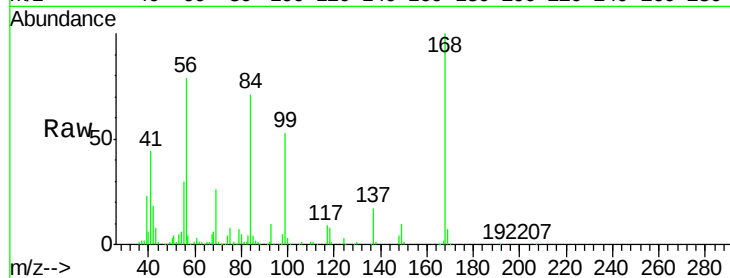
99 53.2 43.3 64.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

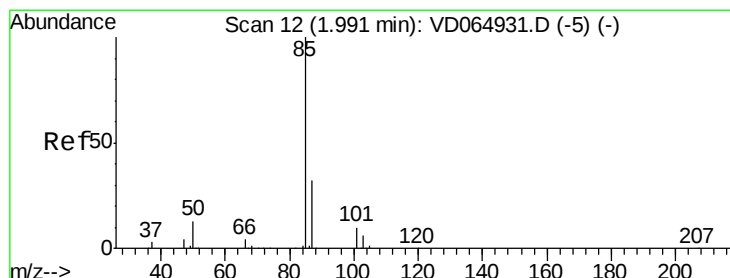
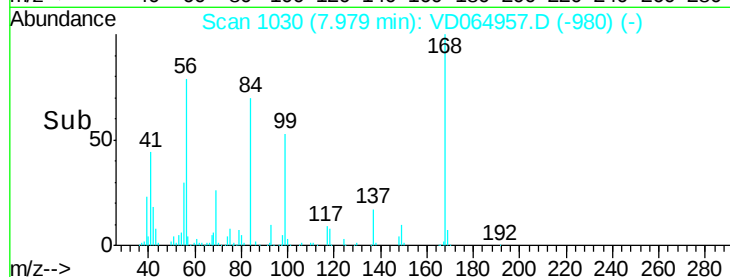
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 57.183 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064957.D

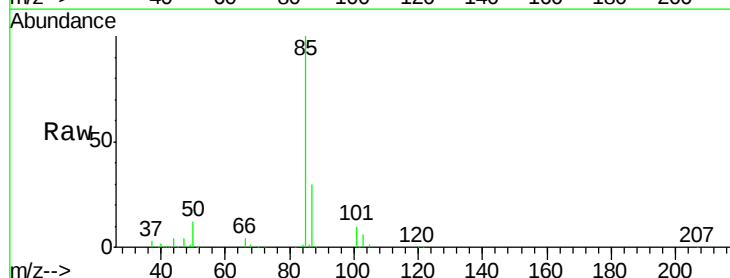
Acq: 27 Jan 2020 10:28

Tgt Ion: 85 Resp: 224132

Ion Ratio Lower Upper

85 100

87 30.5 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

150000

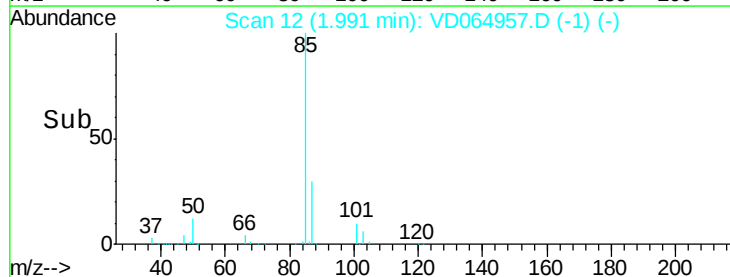
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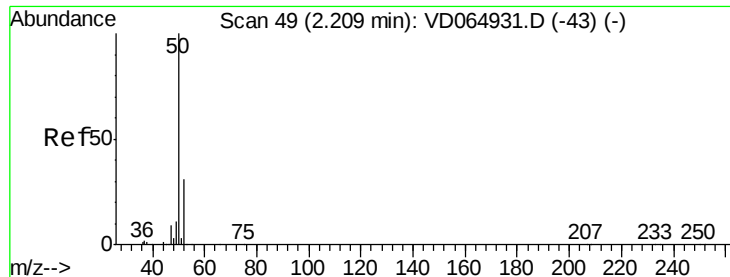
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 50.609 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 290725

Ion Ratio Lower Upper

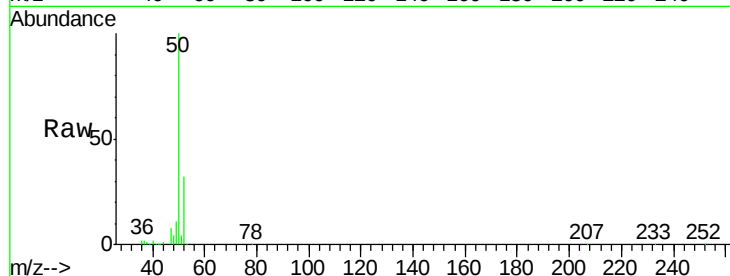
50 100

52 32.4 24.6 36.8

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

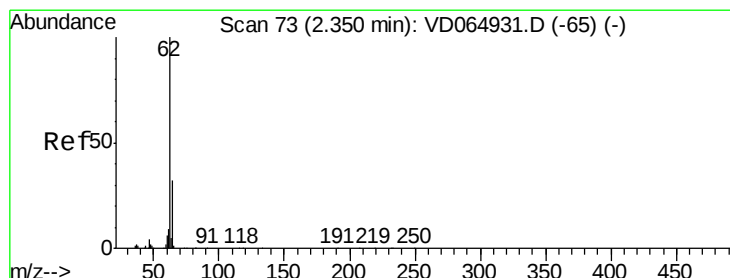
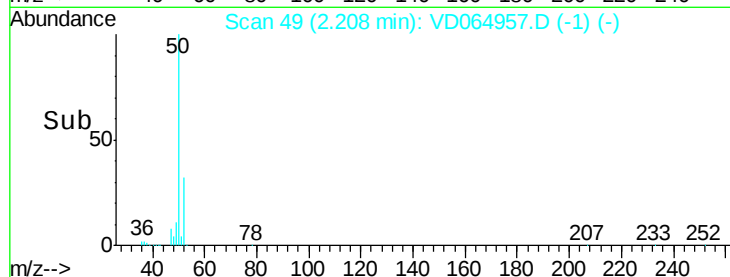
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.686 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064957.D

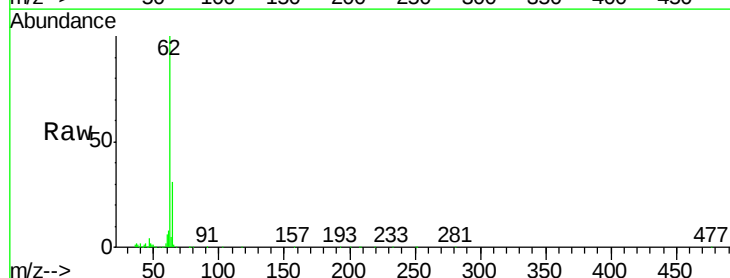
Acq: 27 Jan 2020 10:28

Tgt Ion: 62 Resp: 341018

Ion Ratio Lower Upper

62 100

64 30.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

250000

200000

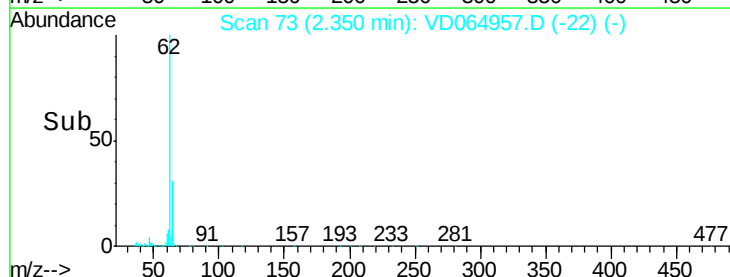
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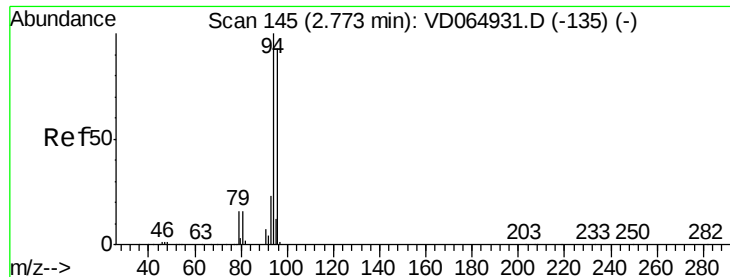
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.671 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 211577

Ion Ratio Lower Upper

94 100

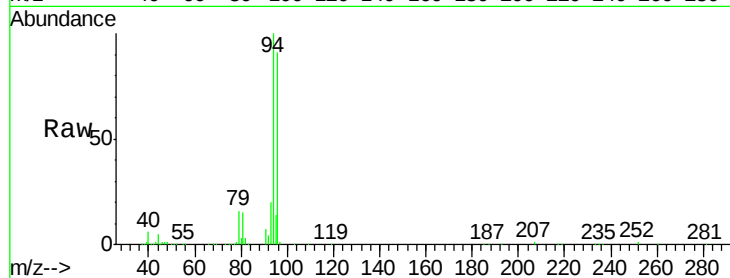
96 90.8 74.6 111.8

Manual Integrations

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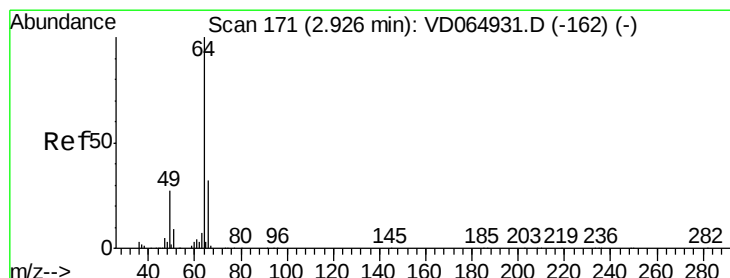
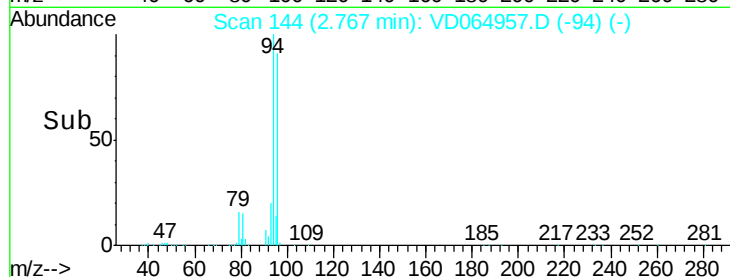
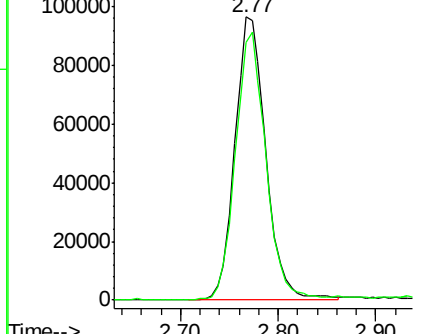
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.288 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064957.D

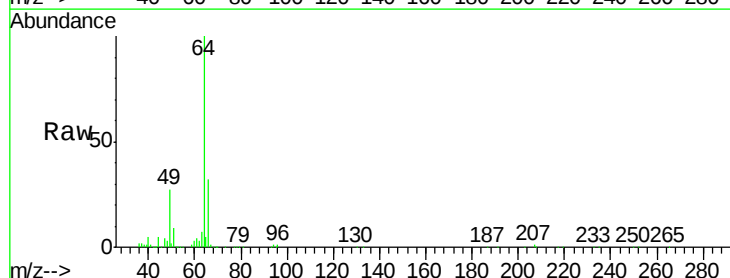
Acq: 27 Jan 2020 10:28

Tgt Ion: 64 Resp: 214395

Ion Ratio Lower Upper

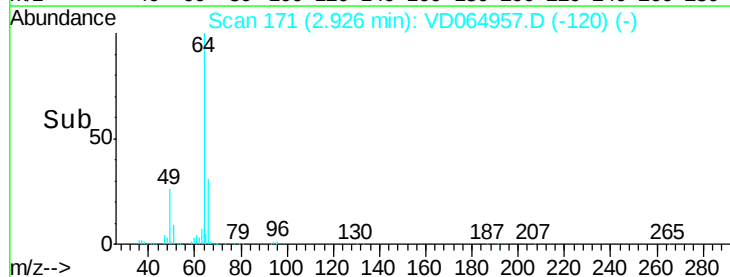
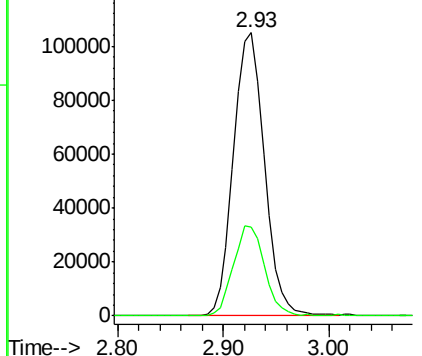
64 100

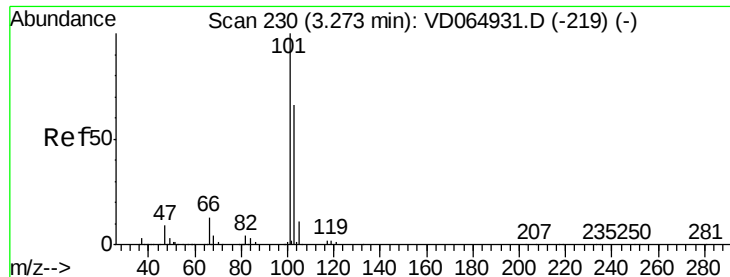
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

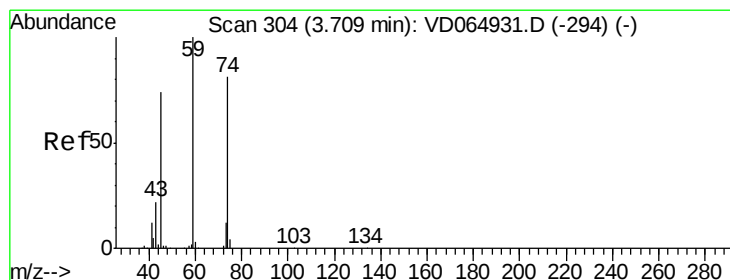
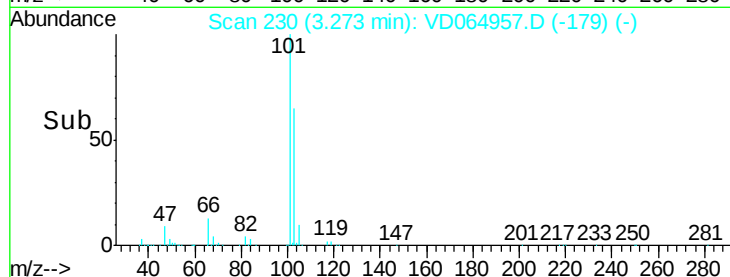
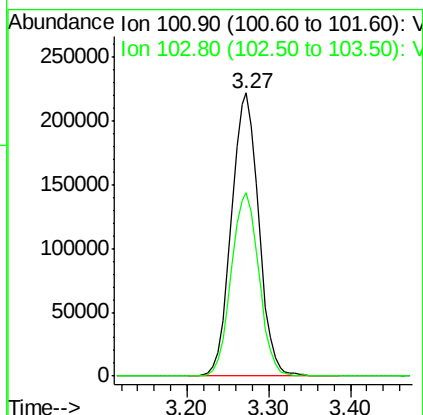
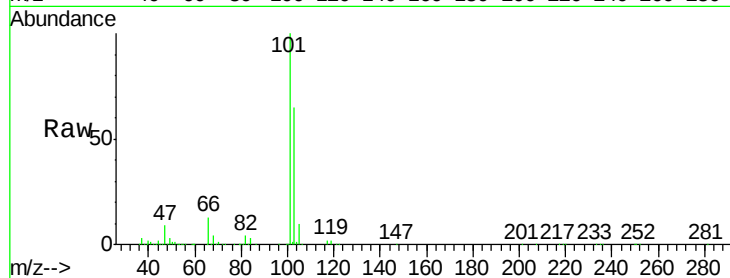
Trichlorofluoromethane
Concen: 50.600 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.5	78.7

Manual Integrations
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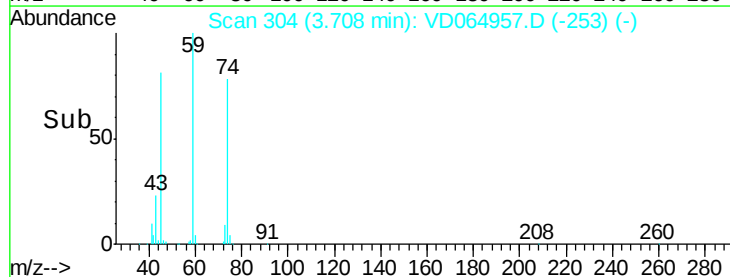
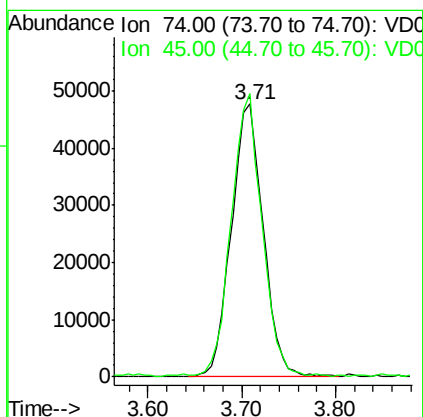
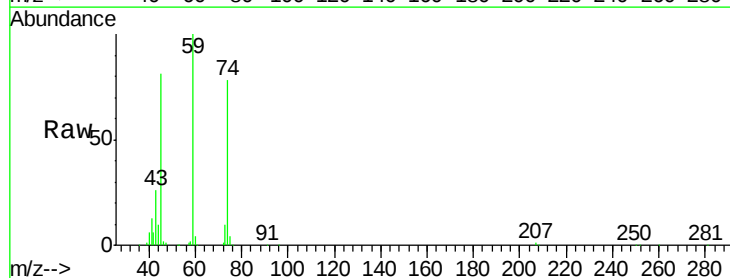
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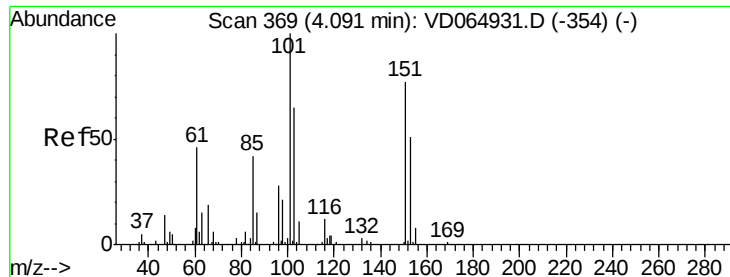


#8

Diethyl Ether
Concen: 48.858 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064957.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.480 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

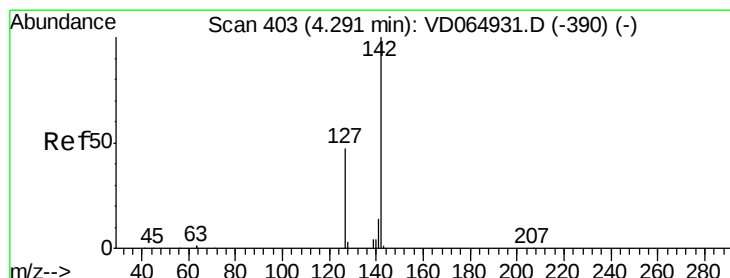
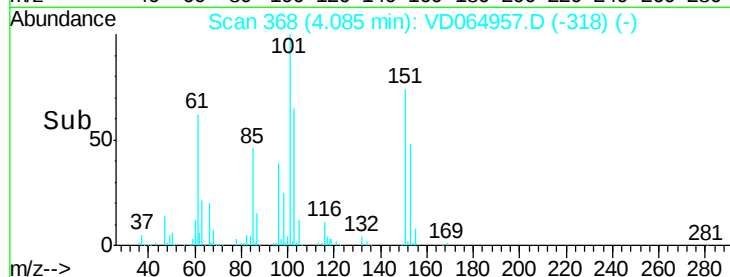
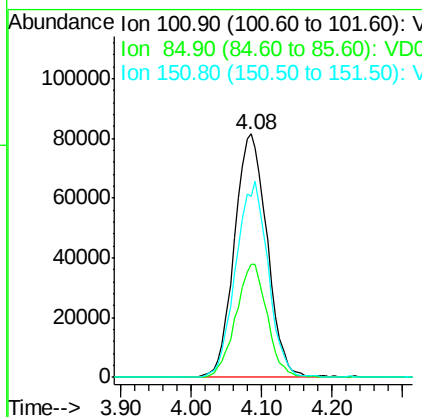
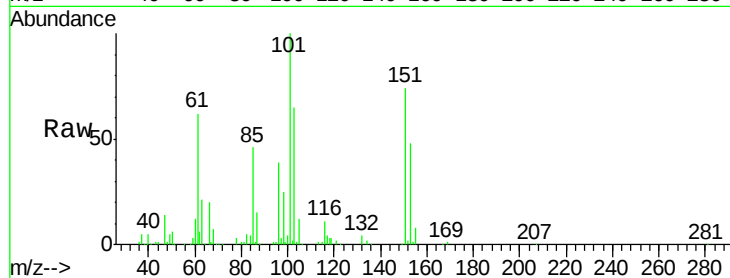
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	263015
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.0	52.4
151	79.6	64.6	96.8

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#10

Methyl Iodide

Concen: 55.474 ug/l

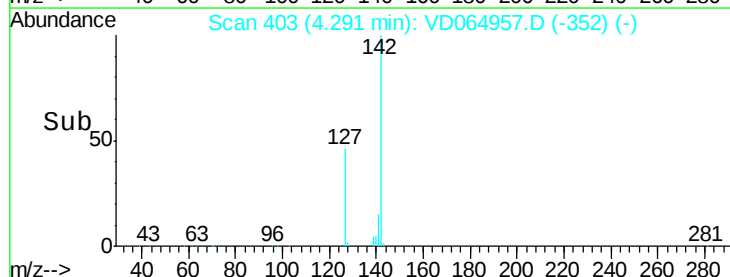
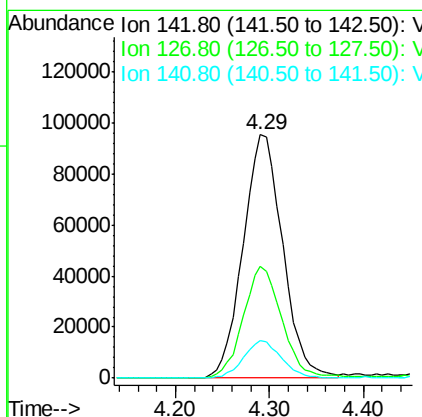
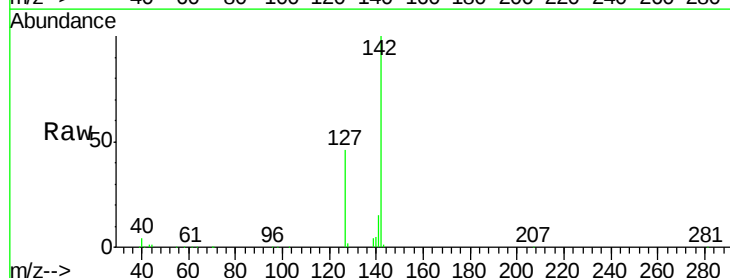
RT: 4.29 min Scan# 403

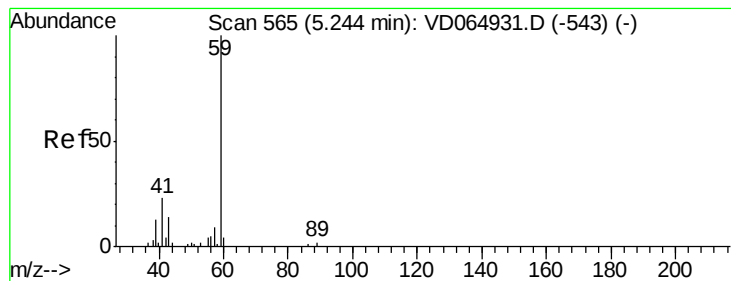
Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Tgt Ion:	142	Resp:	279156
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.2	54.2
141	14.7	11.6	17.4





#11

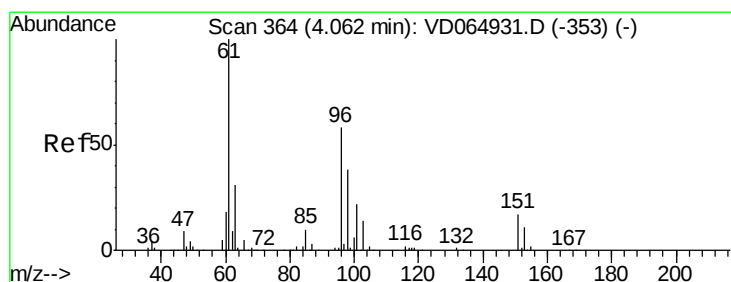
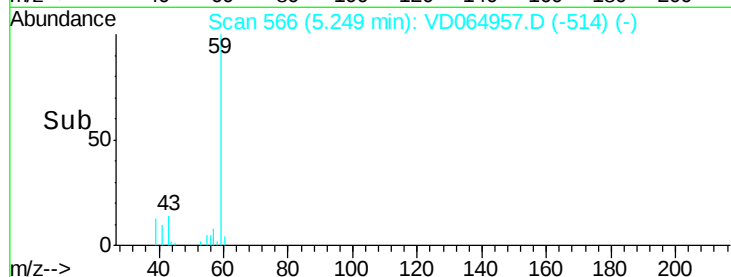
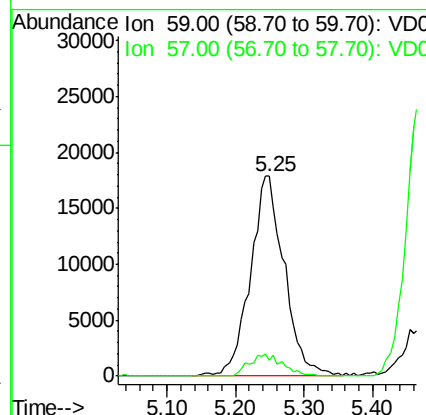
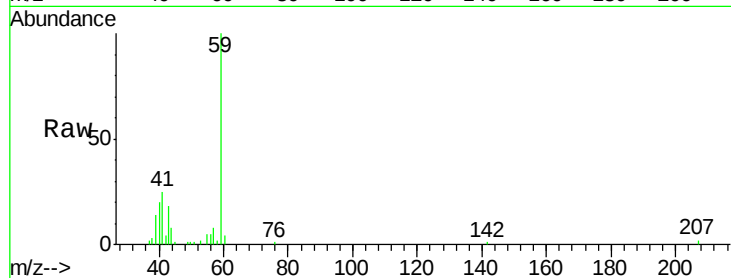
Tert butyl alcohol
 Concen: 224.396 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	61885
Ion Ratio	100	Lower	Upper
57	10.8	7.7	11.5

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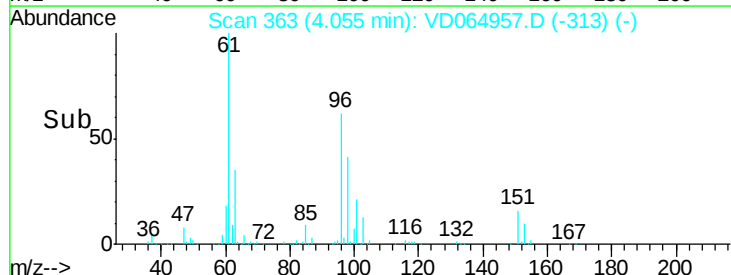
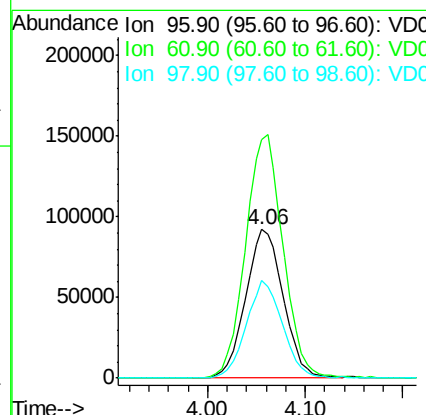
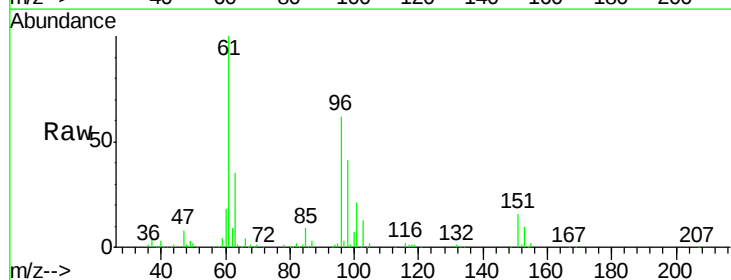
MMDadoda
 1/28/2020 3:39:56 PM

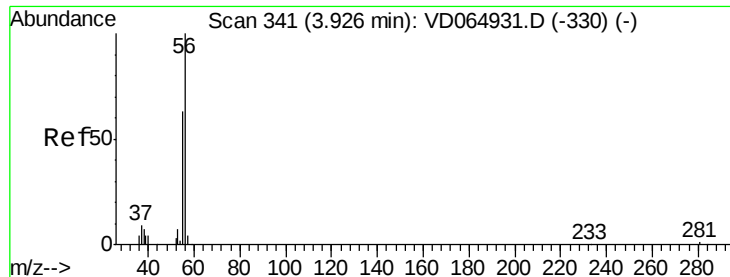


#12

1,1-Dichloroethene
 Concen: 54.993 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion	96	Resp	249059
Ion Ratio	100	Lower	Upper
61	160.9	137.0	205.4
98	65.9	52.1	78.1





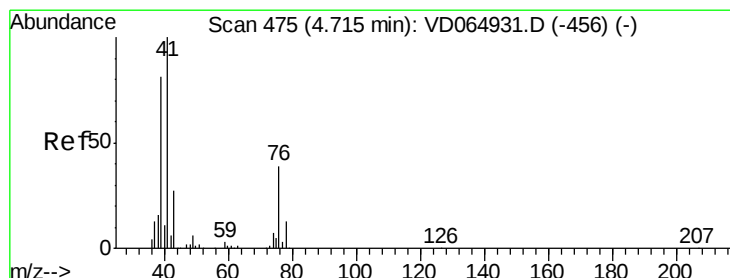
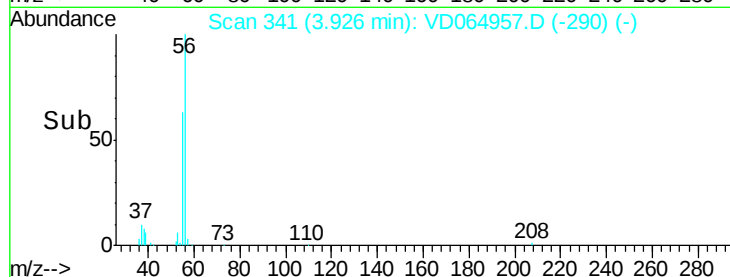
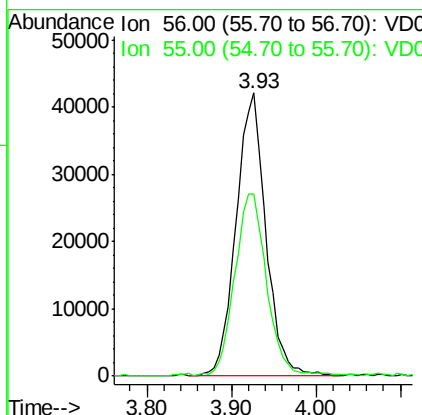
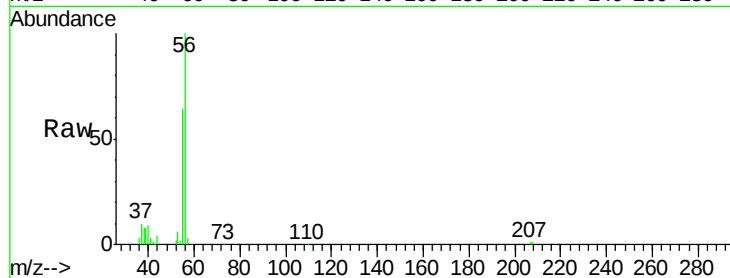
#13
Acrolein
Concen: 297.331 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.7	59.7	89.5

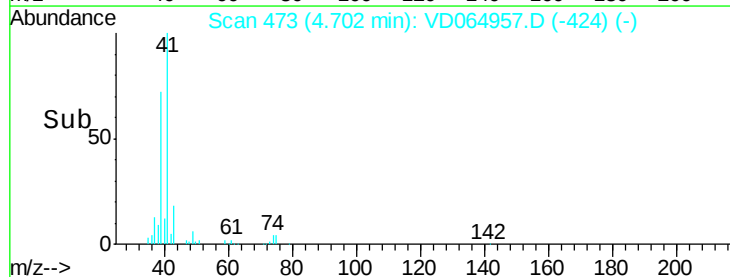
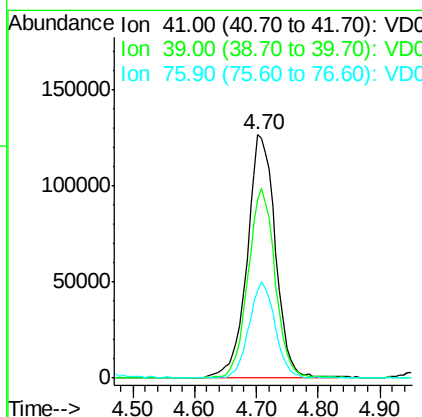
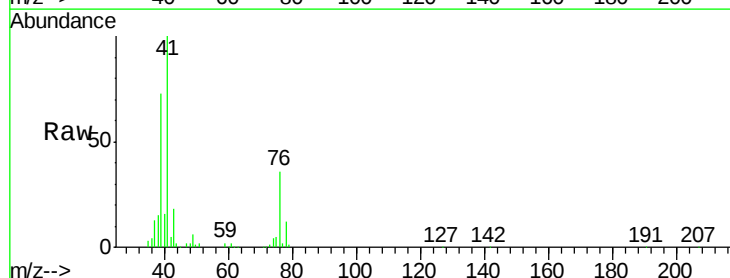
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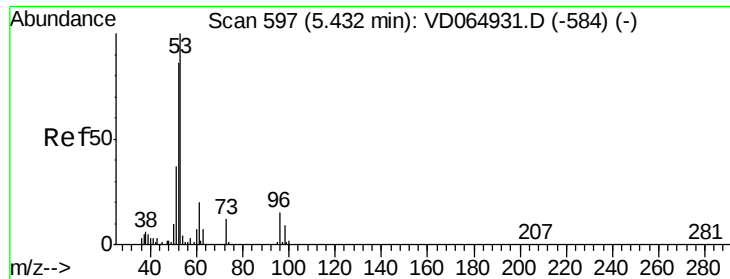
MMDadoda
1/28/2020 3:39:56 PM



#14
Allyl chloride
Concen: 55.561 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.8	62.0	93.0
76	36.2	29.3	43.9





#15

Acrylonitrile

Concen: 246.109 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

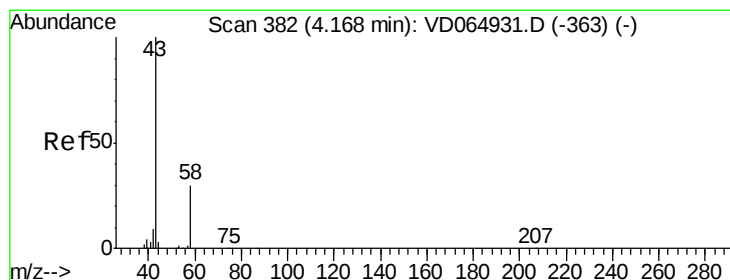
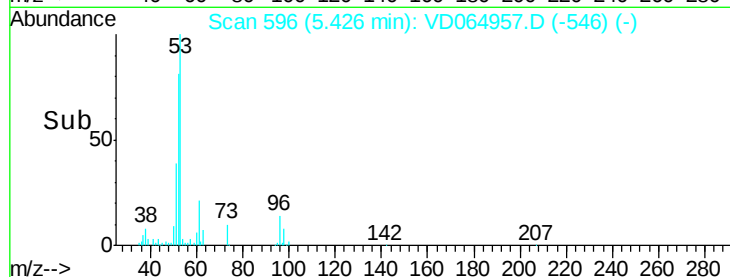
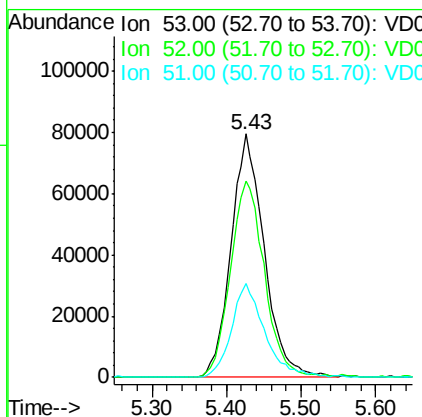
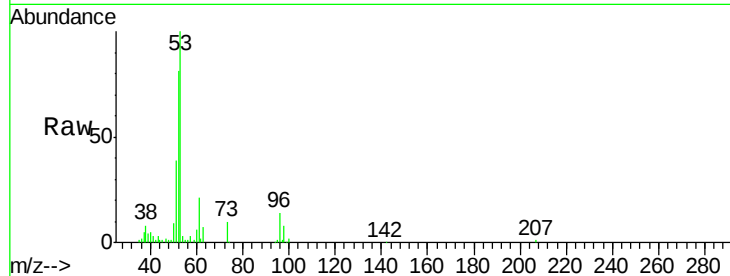
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	245159
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.7	100.1
51	38.5	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 286.904 ug/l

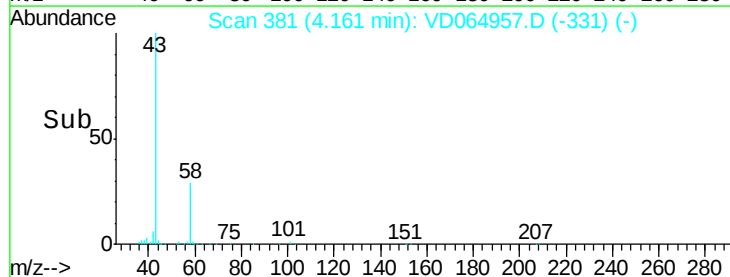
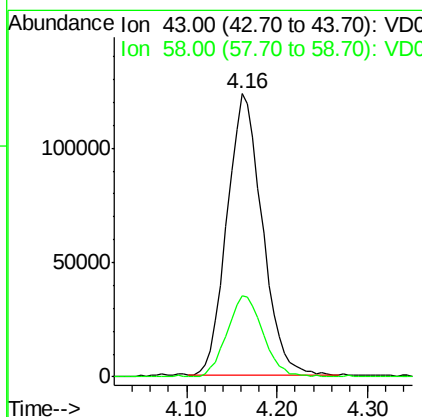
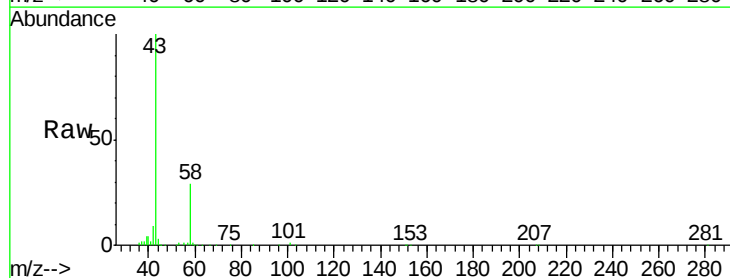
RT: 4.16 min Scan# 381

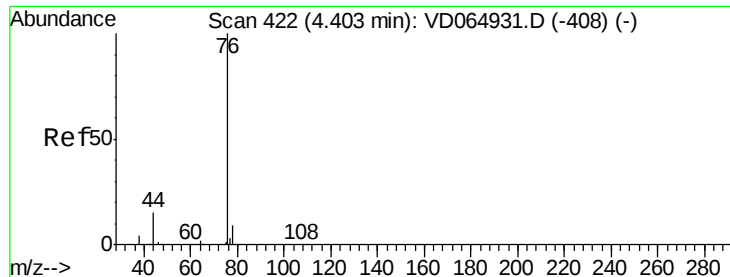
Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Tgt Ion:	43	Resp:	331350
Ion Ratio	Lower	Upper	
43	100		
58	28.7	23.8	35.8





#17

Carbon Disulfide

Concen: 53.972 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 804462

Ion Ratio Lower Upper

76 100

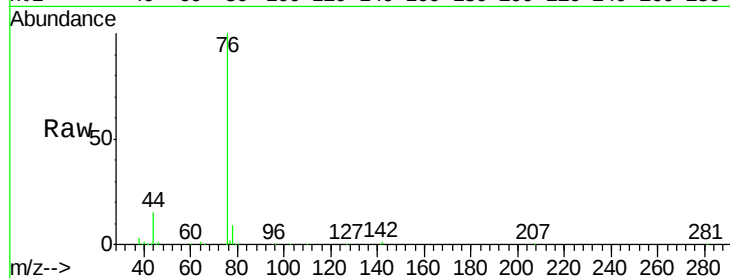
78 9.1 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

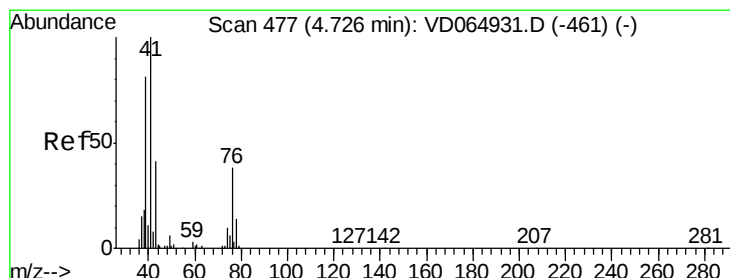
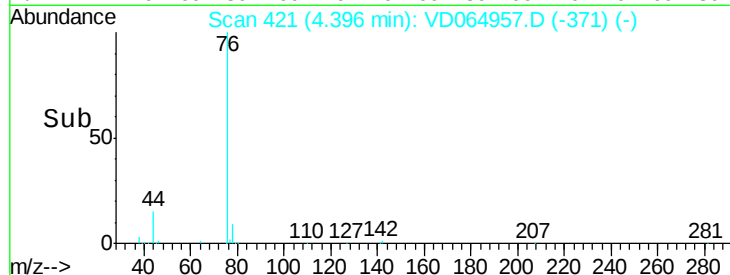
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 47.608 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064957.D

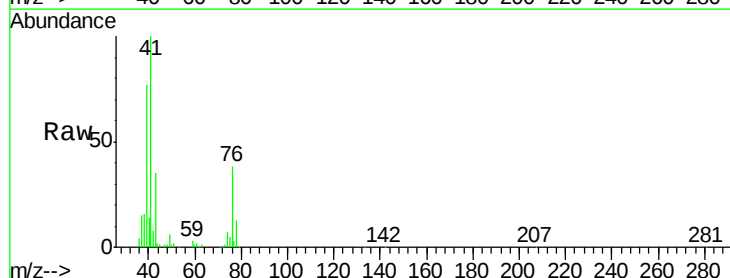
Acq: 27 Jan 2020 10:28

Tgt Ion: 43 Resp: 111275

Ion Ratio Lower Upper

43 100

74 23.4 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

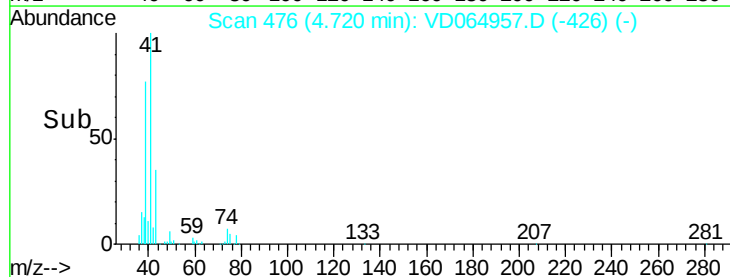
30000

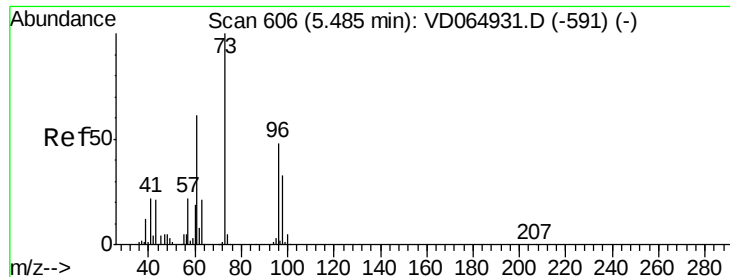
20000

10000

0

Time-->





#19

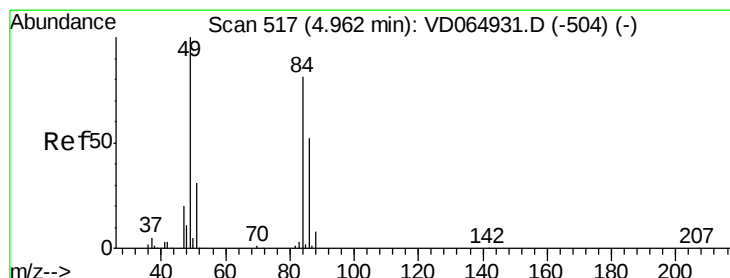
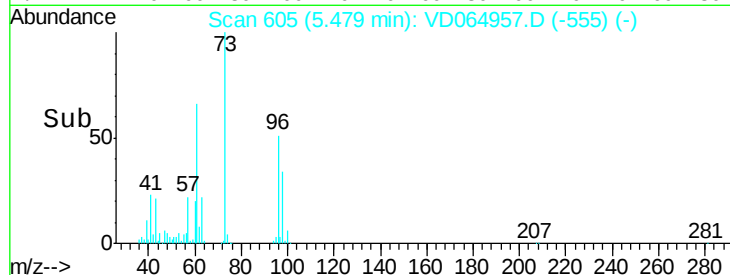
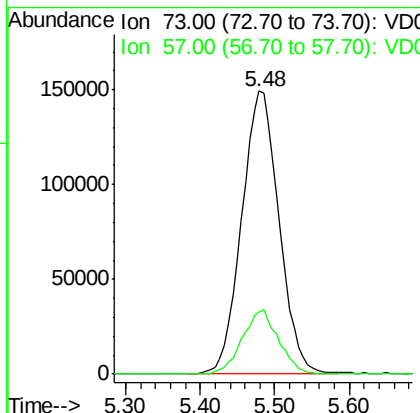
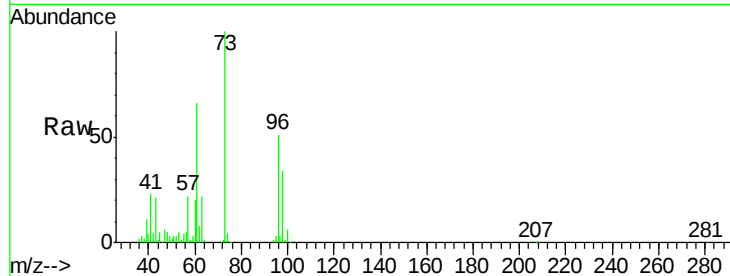
Methyl tert-butyl Ether
 Concen: 51.265 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.9	26.9

Manual Integrations
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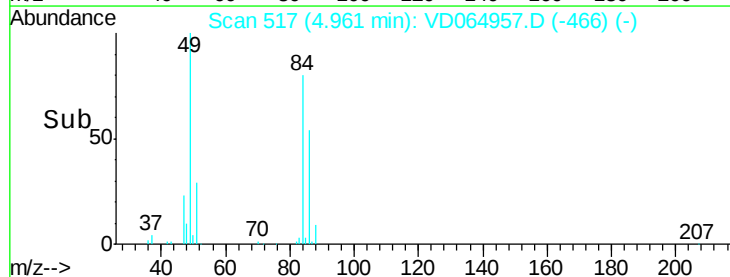
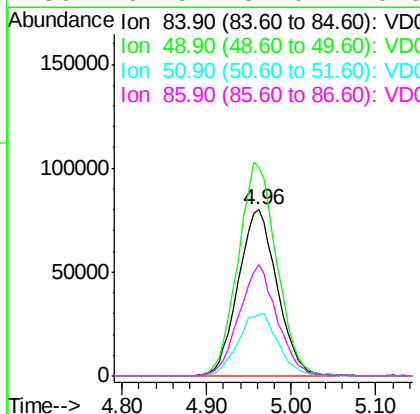
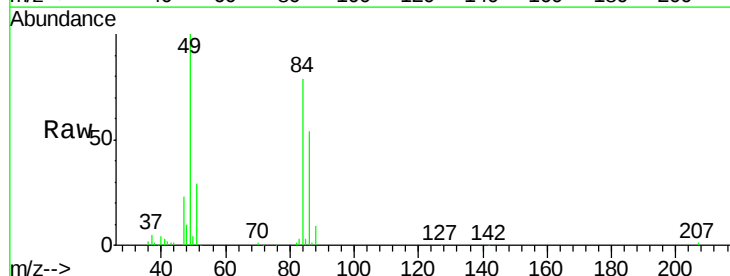
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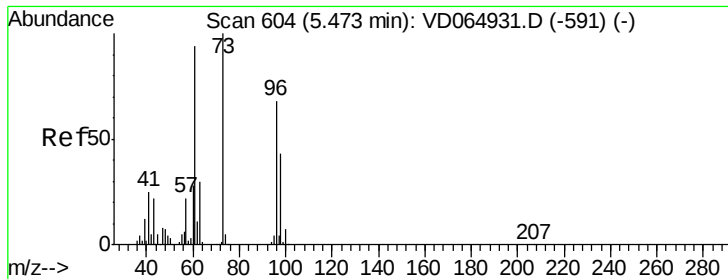


#20

Methylene Chloride
 Concen: 53.263 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.1	98.4	147.6
51	37.0	30.8	46.2
86	67.5	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 53.320 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

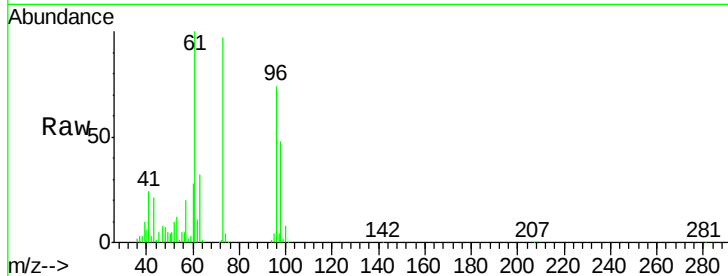
ClientSampleId :

VSTDCCC050

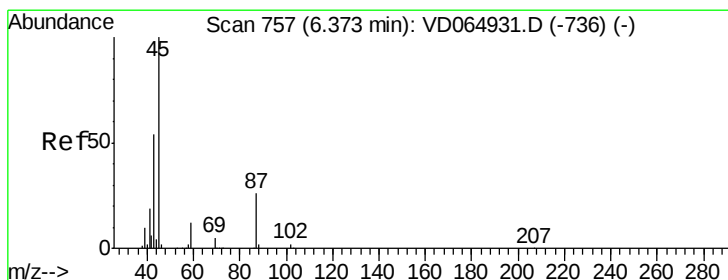
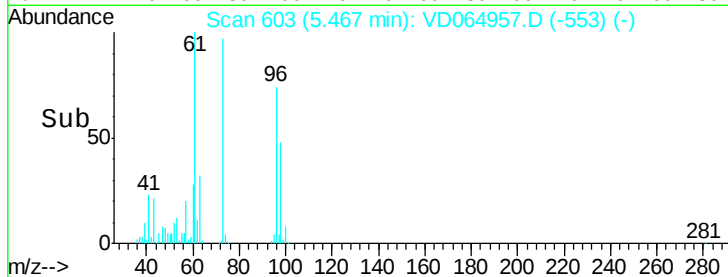
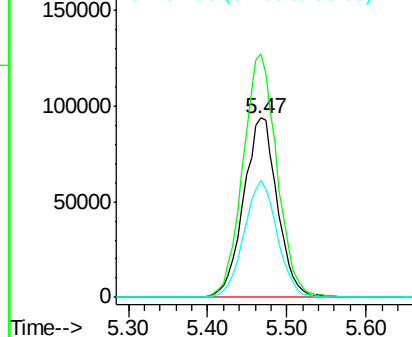
Tot Ion:	96	Resp:	278217
Ion	Ratio	Lower	Upper
96	100		
61	135.7	110.4	165.6
98	65.1	50.5	75.7

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 53.522 ug/l

RT: 6.37 min Scan# 756

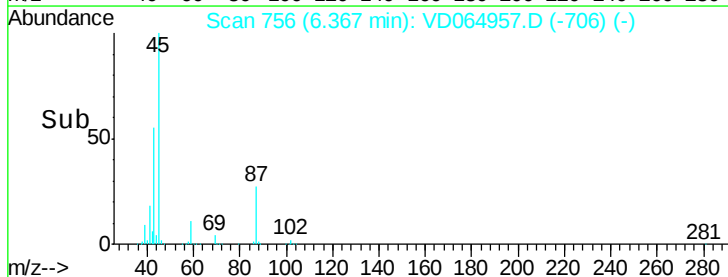
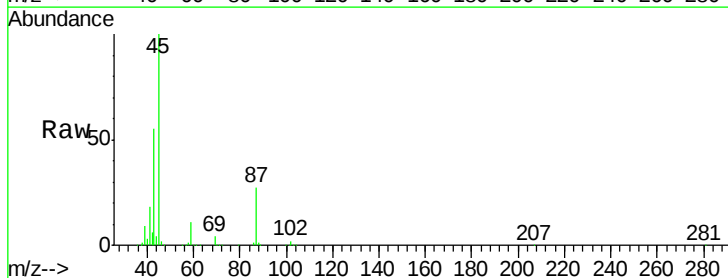
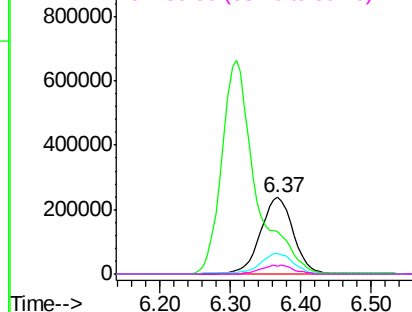
Delta R.T. -0.01 min

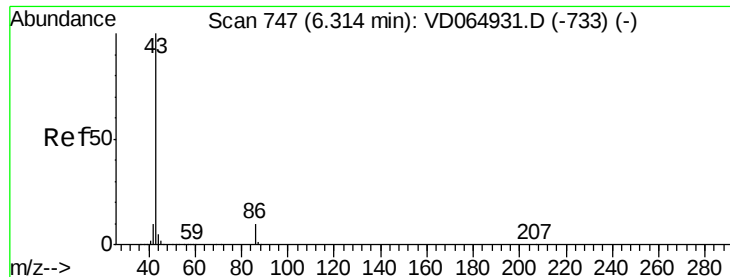
Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Tgt Ion:	45	Resp:	770470
Ion	Ratio	Lower	Upper
45	100		
43	54.9	43.1	64.7
87	26.9	21.4	32.2
59	10.4	9.5	14.3

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 262.505 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2212453

Ion Ratio Lower Upper

43 100

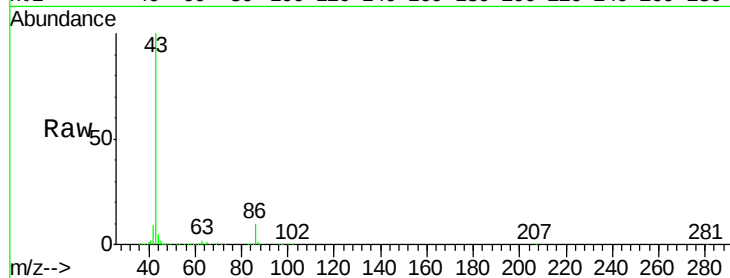
86 9.8 8.3 12.5

Manual Integrations

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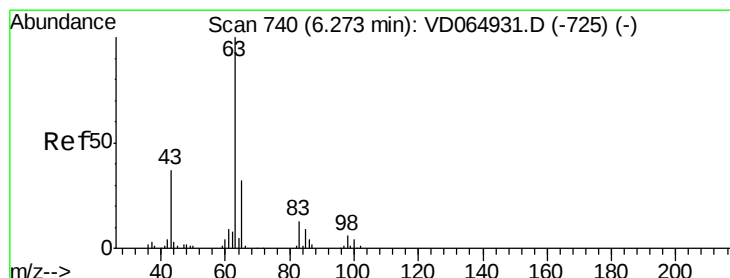
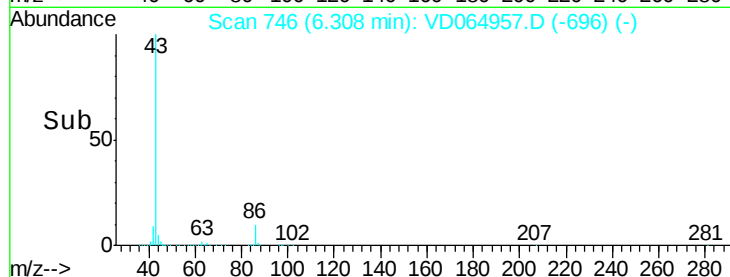
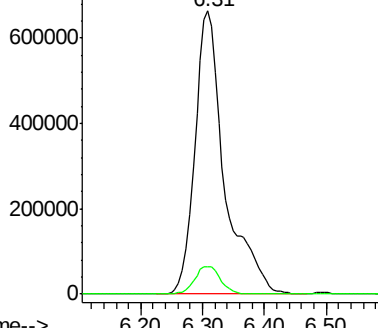
MMDadoda

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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: 52.942 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

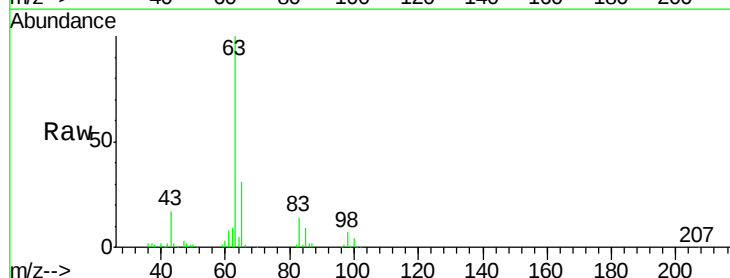
Tgt Ion: 63 Resp: 467929

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.3

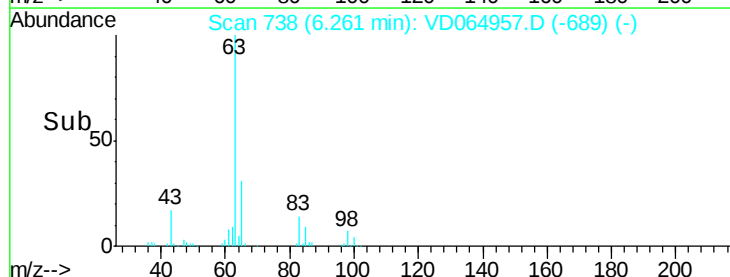
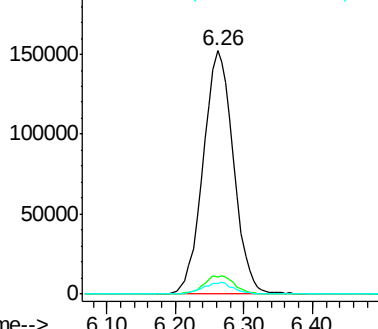
100 4.3 2.3 6.8

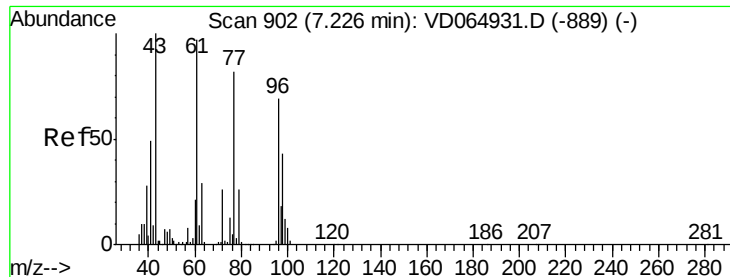


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 265.020 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 357322

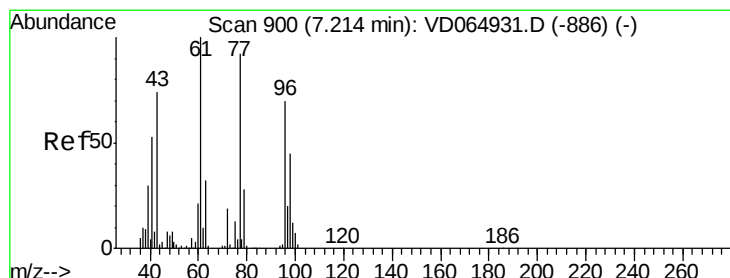
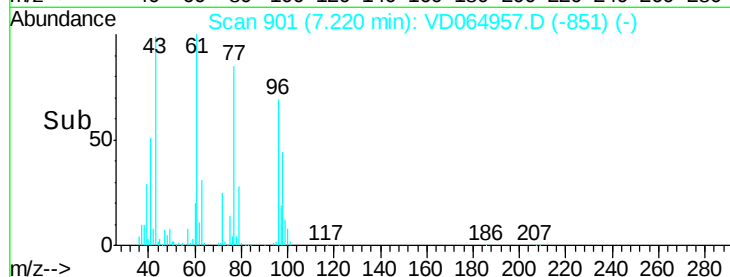
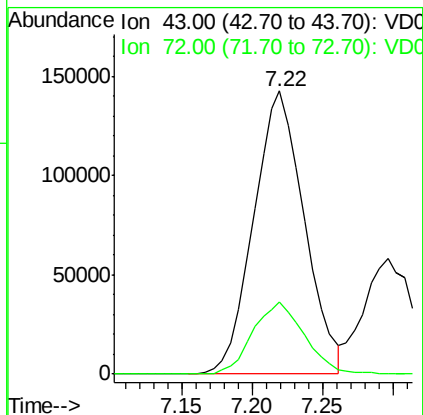
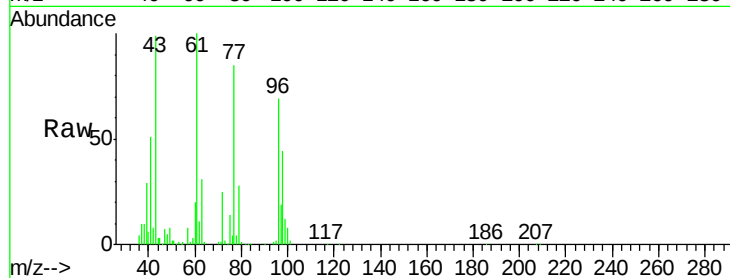
Ion Ratio Lower Upper

43 100

72 25.7 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 55.446 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064957.D

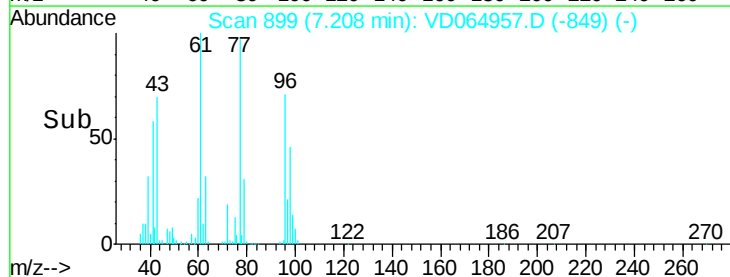
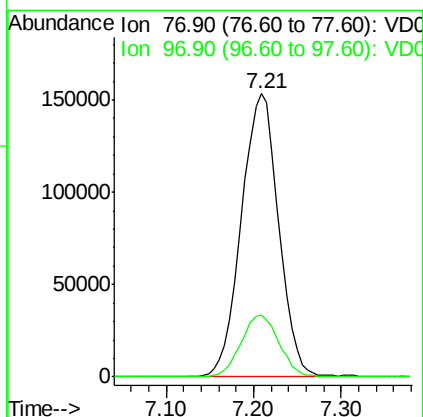
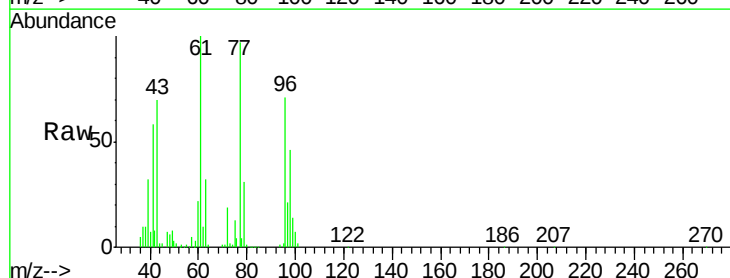
Acq: 27 Jan 2020 10:28

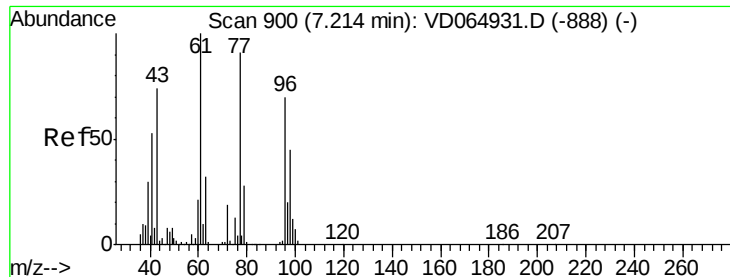
Tgt Ion: 77 Resp: 444508

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.2





#27

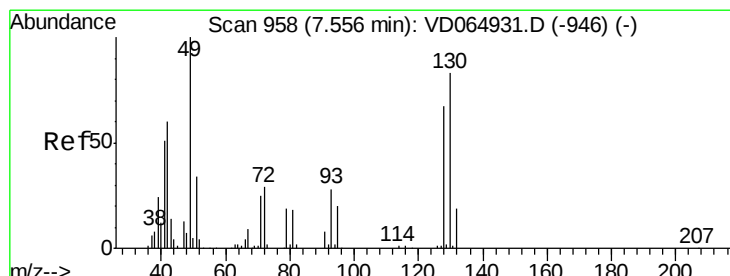
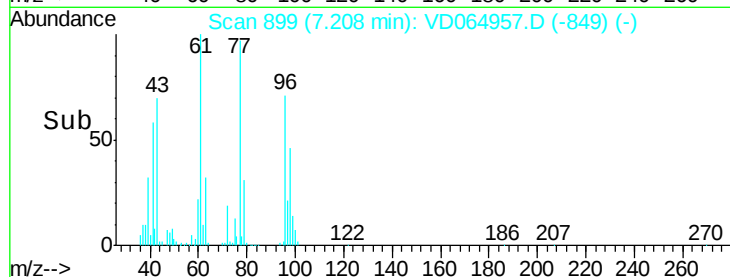
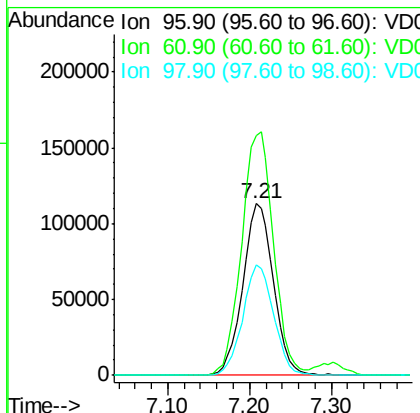
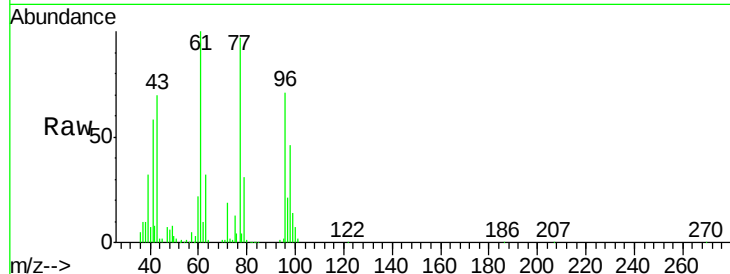
cis-1,2-Dichloroethene
Concen: 52.843 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	294294		
61	147.8	0.0	292.8	
98	64.9	0.0	130.0	

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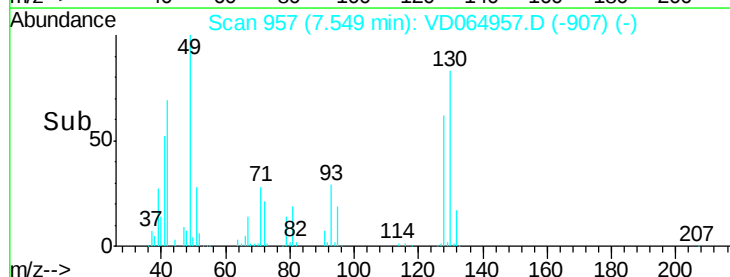
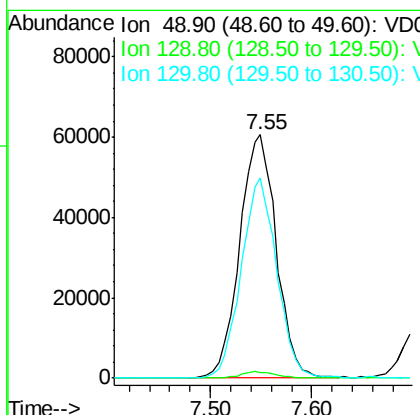
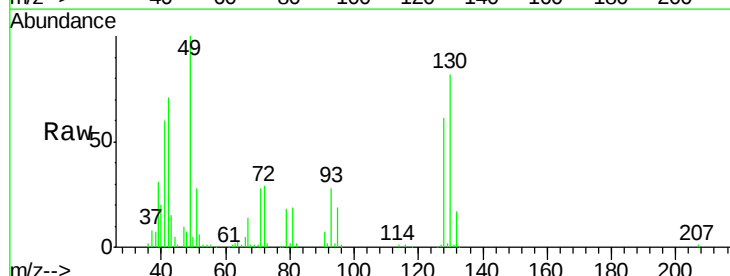
MMDadoda
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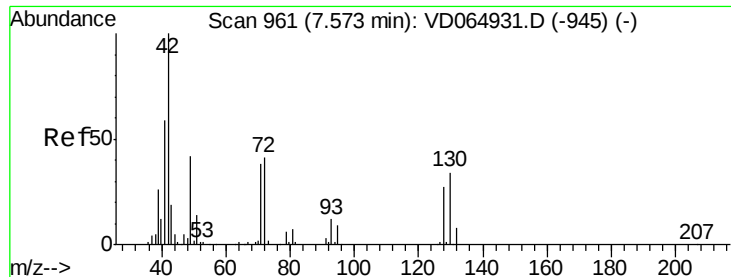


#28

Bromochloromethane
Concen: 43.052 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	152178		
129	2.5	0.0	4.4	
130	79.7	63.8	95.8	





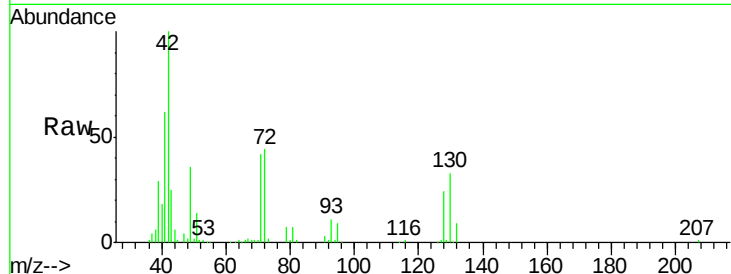
#29
Tetrahydrofuran
Concen: 238.843 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

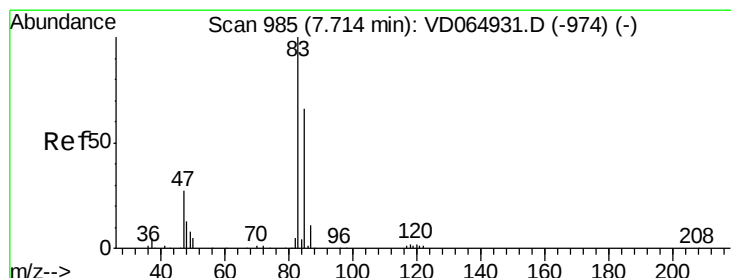
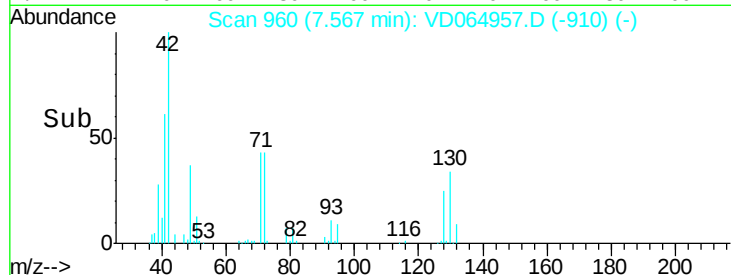
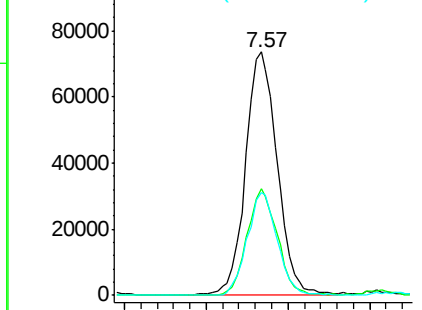
Tot Ion	Ratio	Resp	Lower	Upper
42	100	198692		
72	41.9		34.0	51.0
71	39.9		31.5	47.3

Manual Integrations
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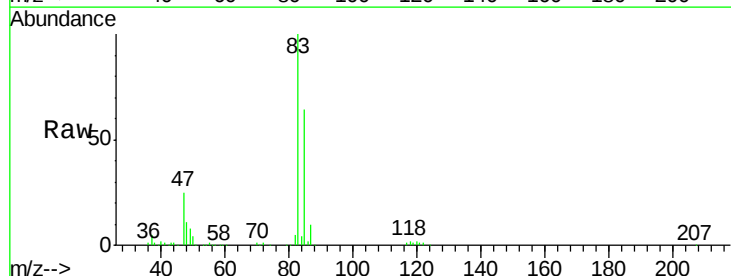


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

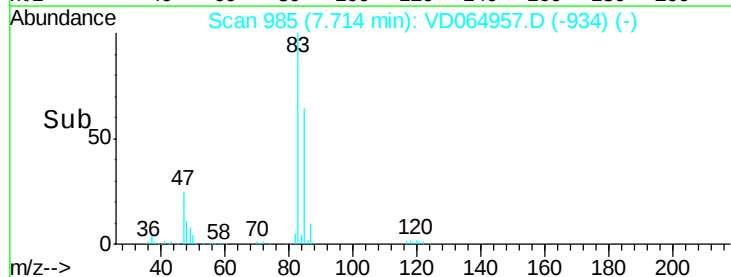
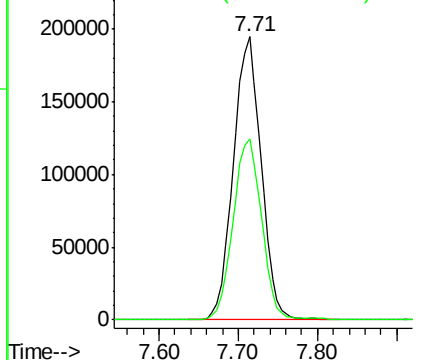


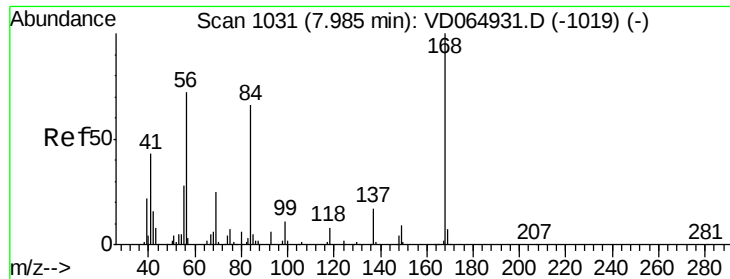
#30
Chloroform
Concen: 52.003 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	475121		
85	64.2		52.4	78.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





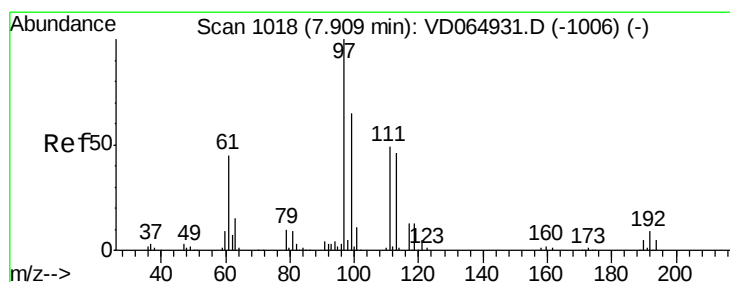
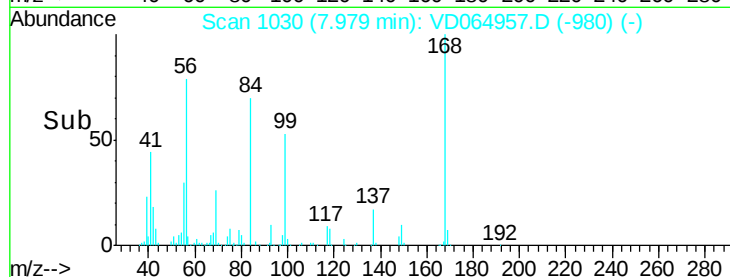
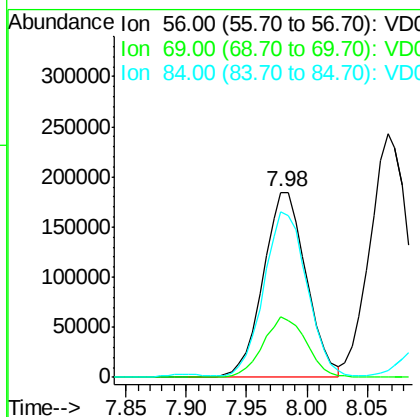
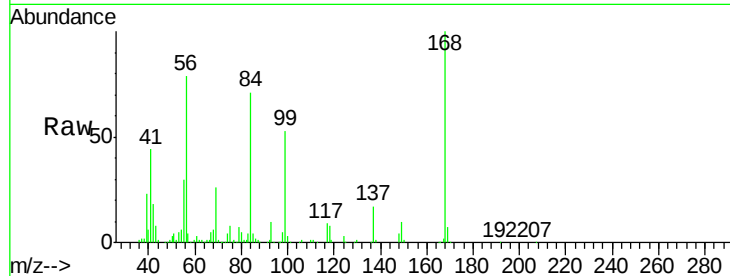
#31
Cyclohexane
Concen: 52.254 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	27.9	41.9
84	88.0	72.8	109.2

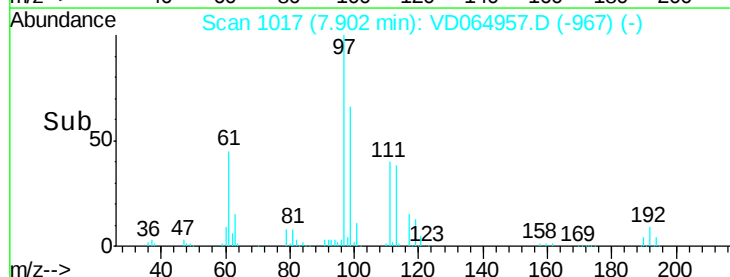
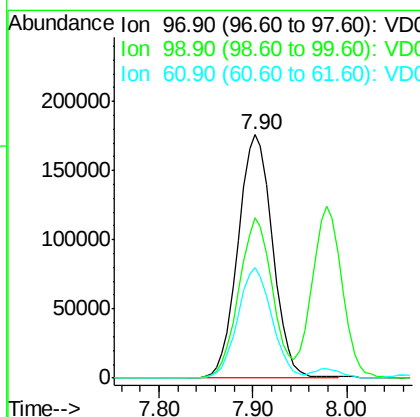
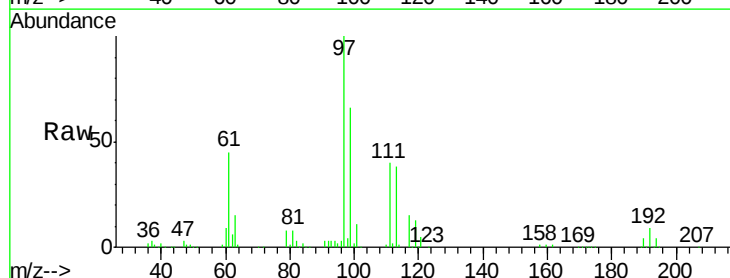
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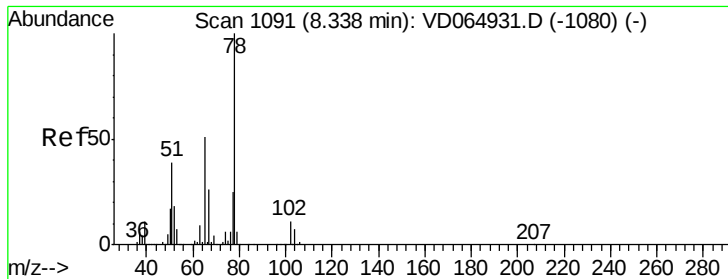
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#32
1,1,1-Trichloroethane
Concen: 52.931 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.6	76.0
61	44.8	35.7	53.5





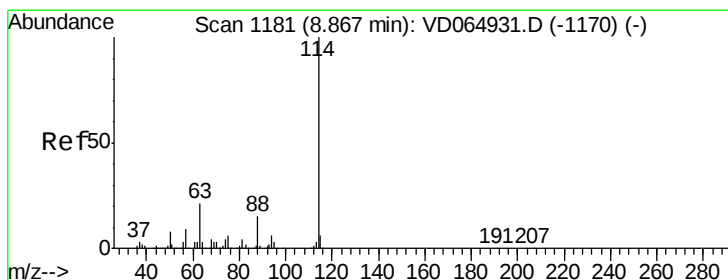
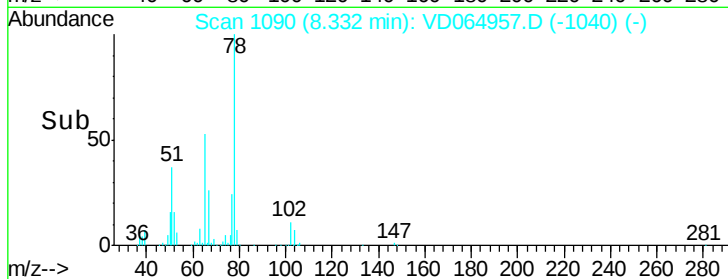
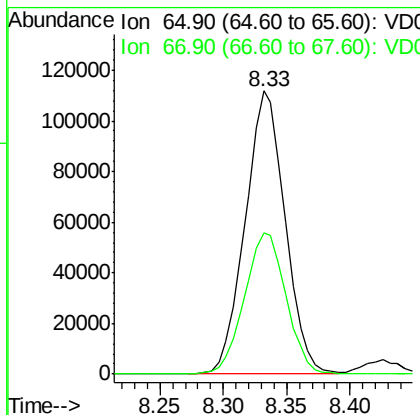
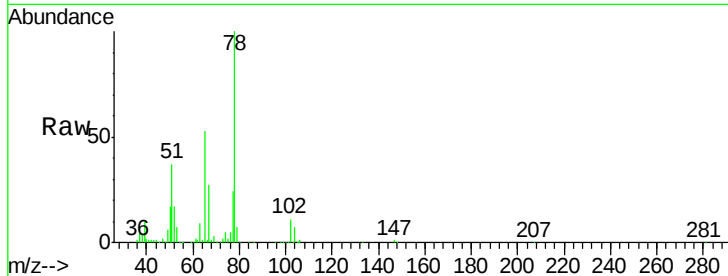
#33
 1,2-Dichloroethane-d4
 Concen: 49.150 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	245287		
67	52.1	0.0	103.6	

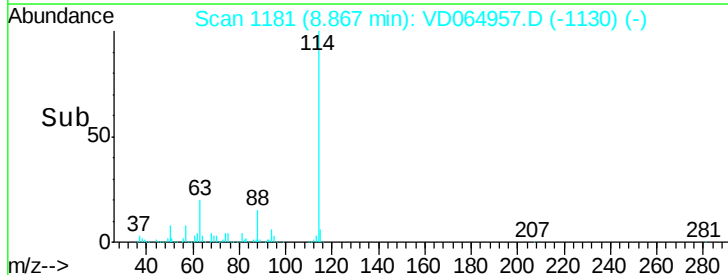
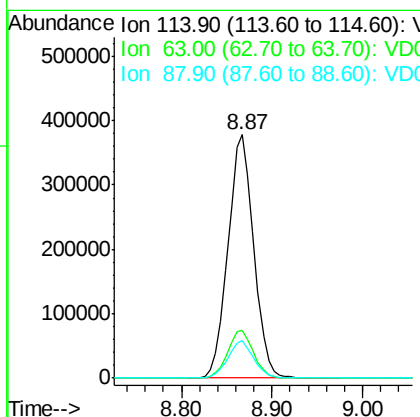
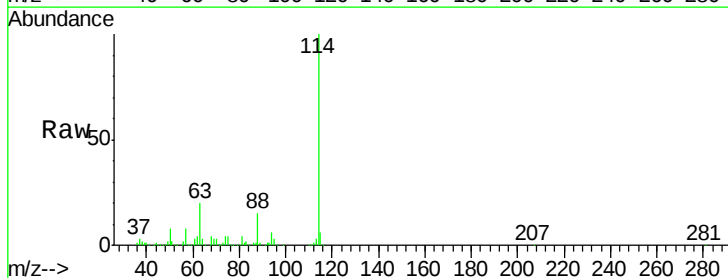
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	747491		
63	19.8	0.0	42.0	
88	15.4	0.0	29.4	





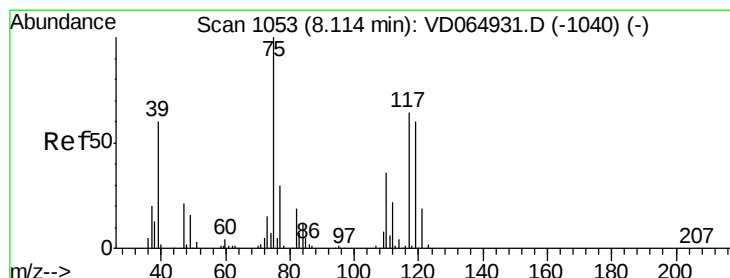
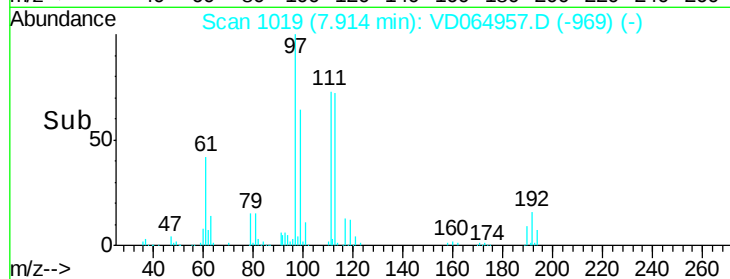
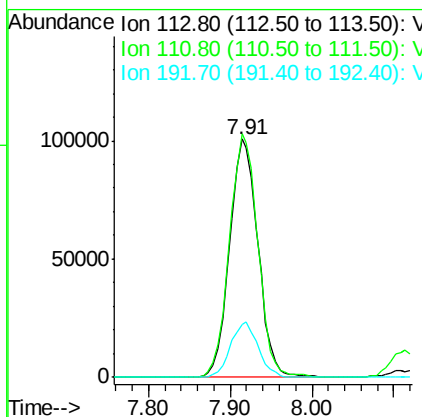
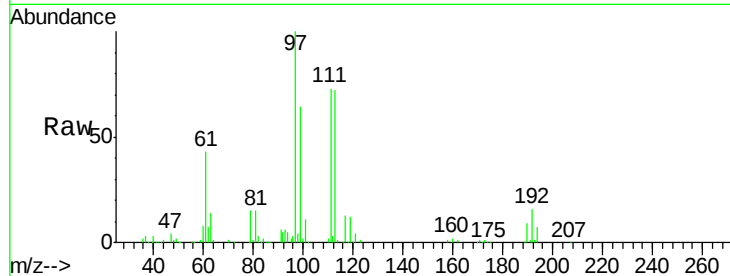
#35
Dibromofluoromethane
Concen: 51.787 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	243262		
111	102.1	82.4	123.6	
192	22.5	16.9	25.3	

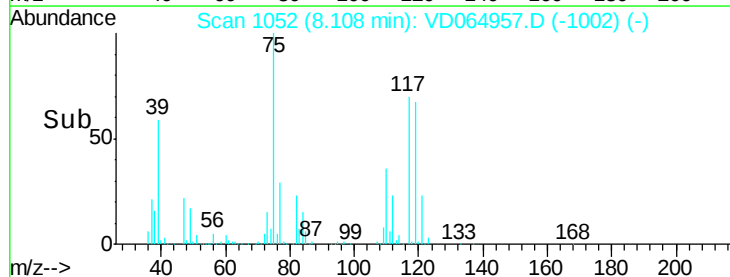
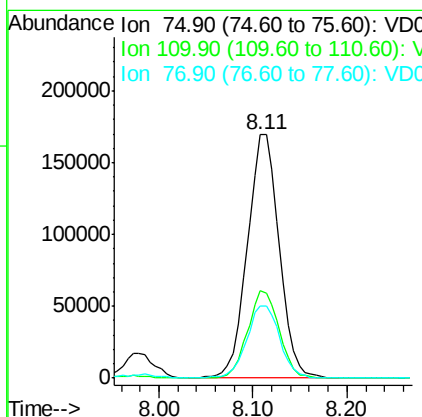
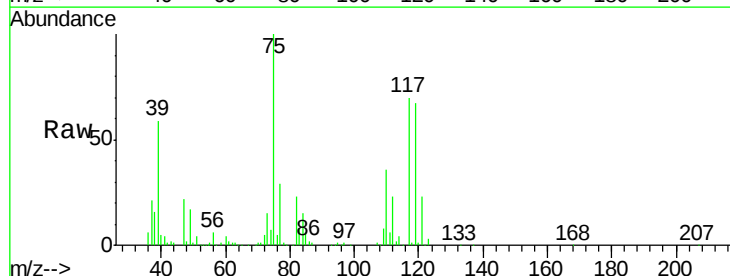
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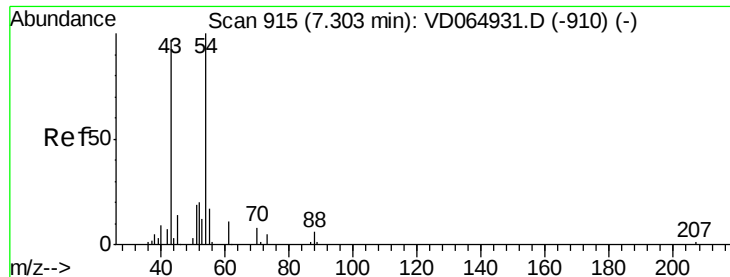
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#36
1,1-Dichloropropene
Concen: 54.790 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	394925		
110	35.4	17.3	52.0	
77	30.8	24.7	37.1	





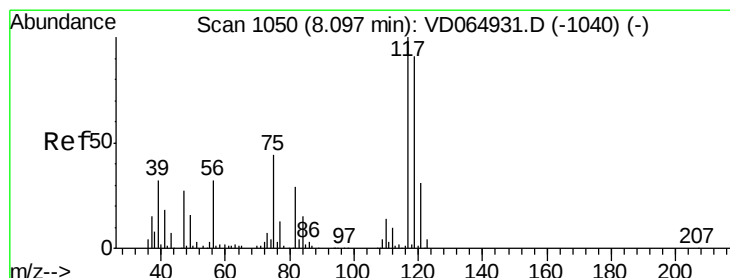
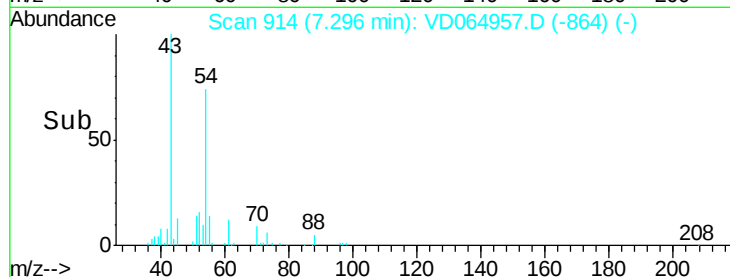
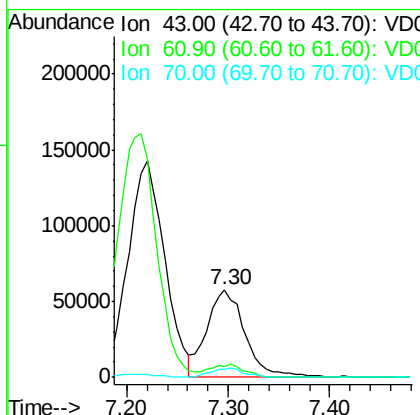
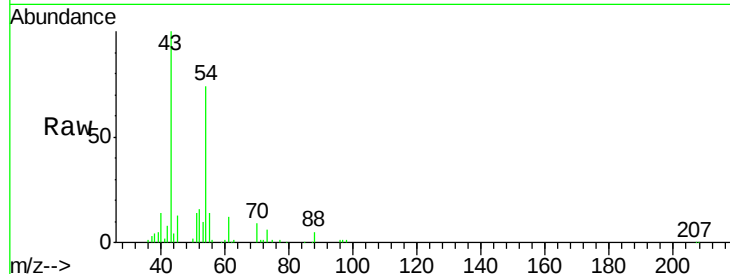
#37
Ethyl Acetate
Concen: 49.702 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.4
70	9.7	7.5	11.3

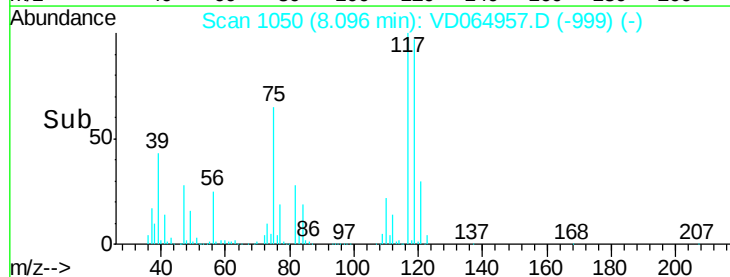
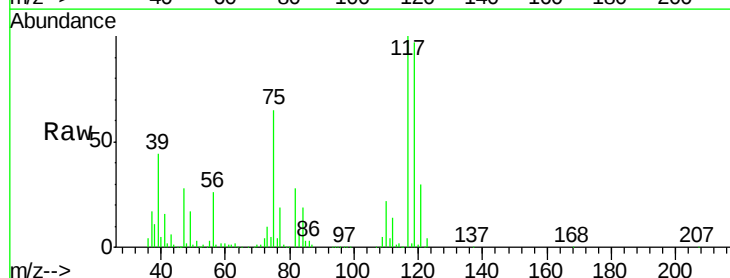
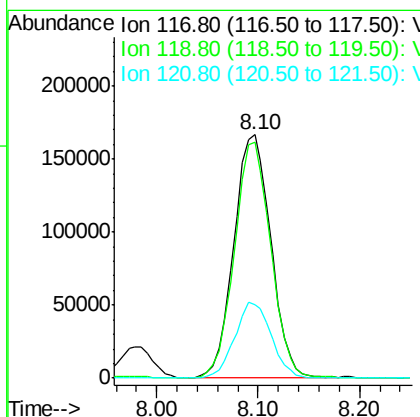
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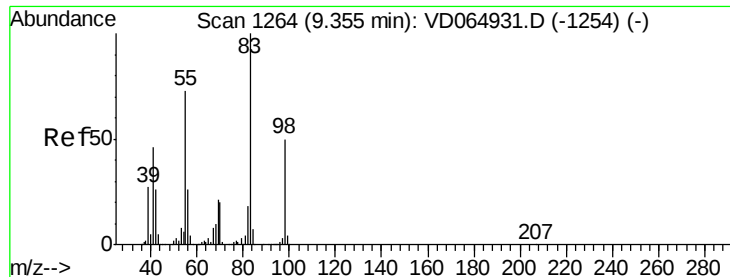
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#38
Carbon Tetrachloride
Concen: 55.062 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	73.2	109.8
121	30.1	24.4	36.6





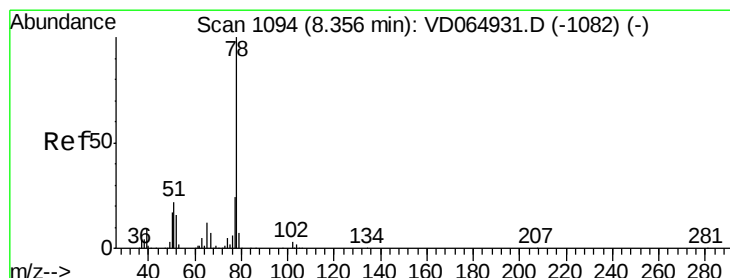
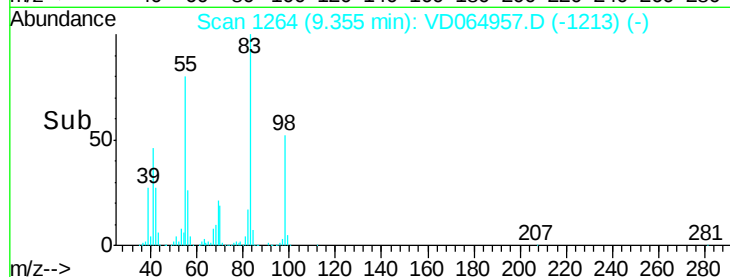
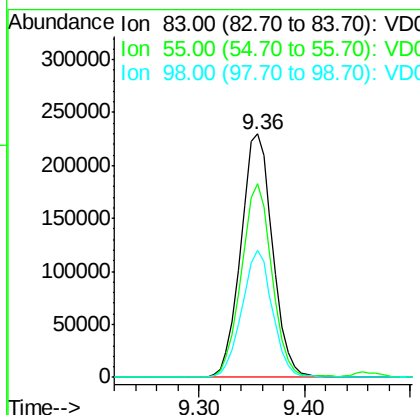
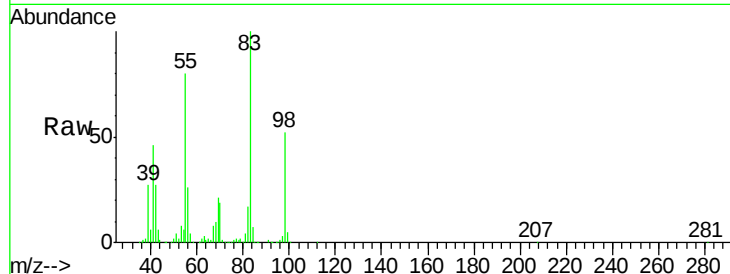
#39
Methvlcvclohexane
Concen: 56.839 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	58.7	88.1
98	52.0	40.2	60.2

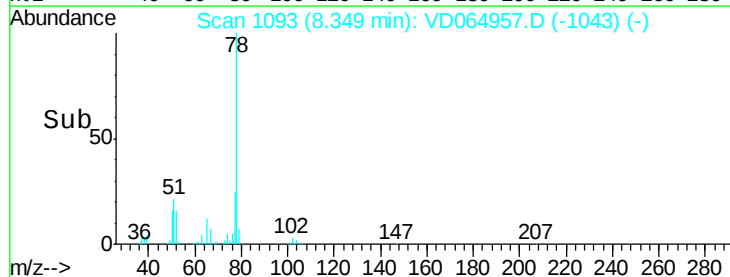
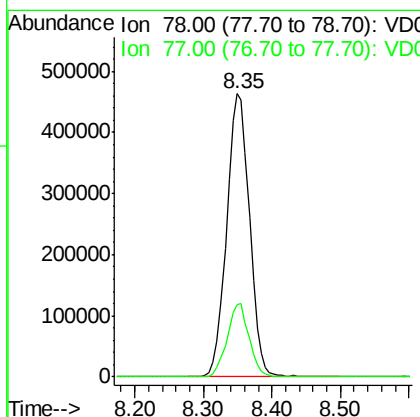
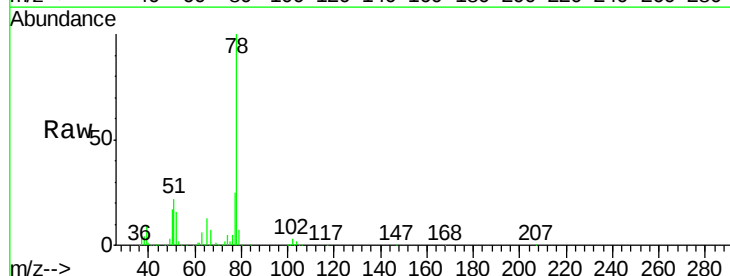
Manual Integrations
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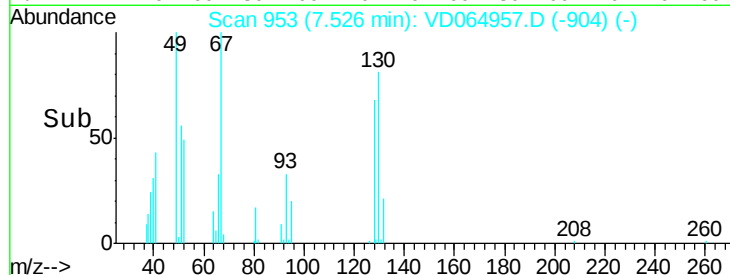
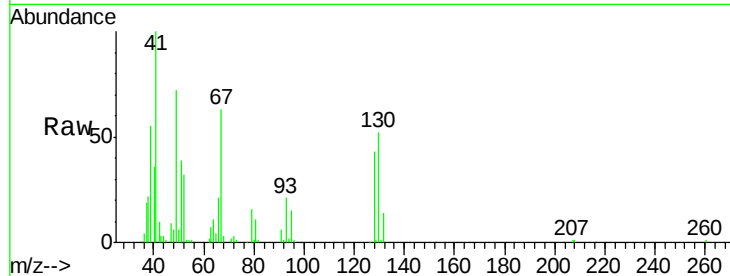
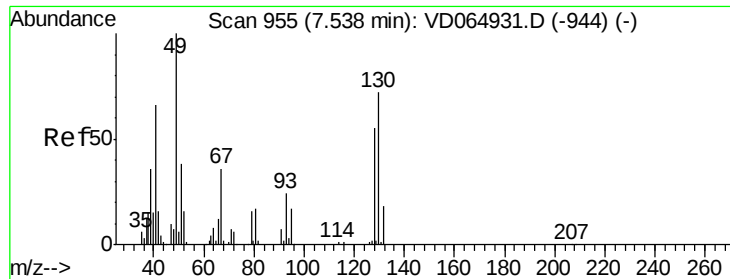
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#40
Benzene
Concen: 53.876 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

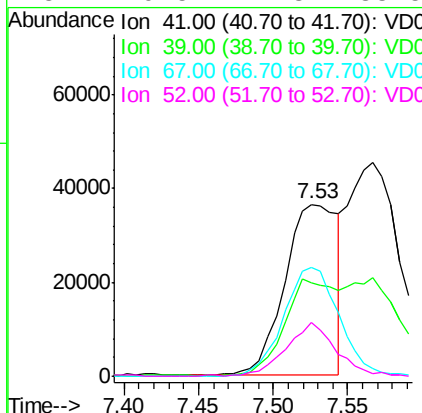
Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.2	28.8





#41
Methacrylonitrile
Concen: 56.159 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

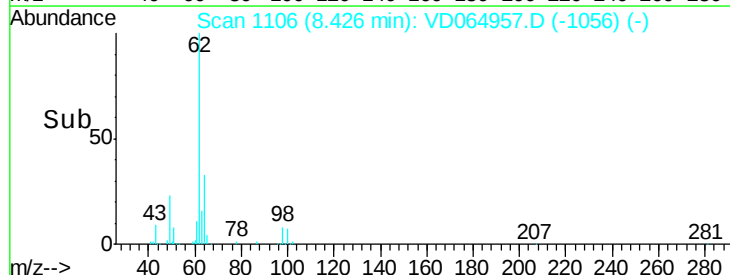
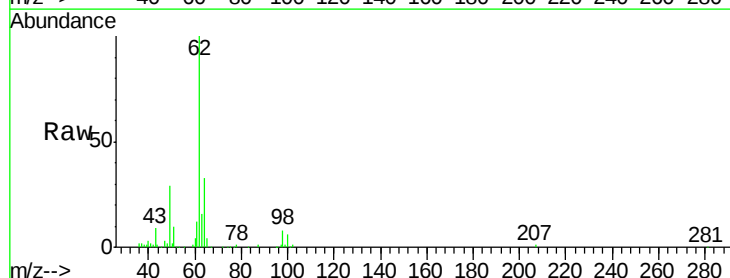
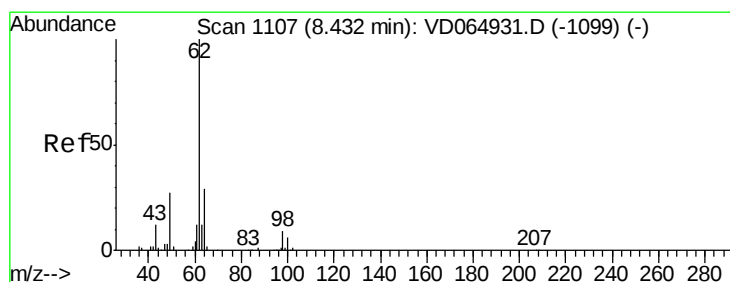
Tot Ion	41	Resp	90071
Ion	Ratio	Lower	Upper
41	100		
39	55.4	49.3	73.9
67	67.0	51.0	76.6
52	29.5	22.3	33.5



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

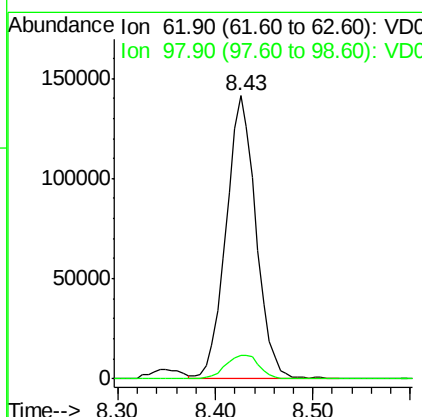
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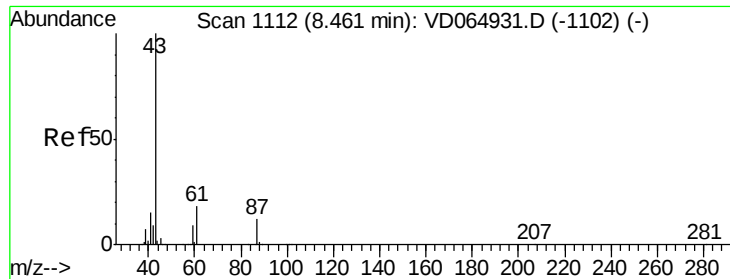
MMDadoda
1/28/2020 3:39:56 PM



#42
1,2-Dichloroethane
Concen: 50.450 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion	62	Resp	298334
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	17.8





#43

Isopropyl Acetate

Concen: 48.978 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

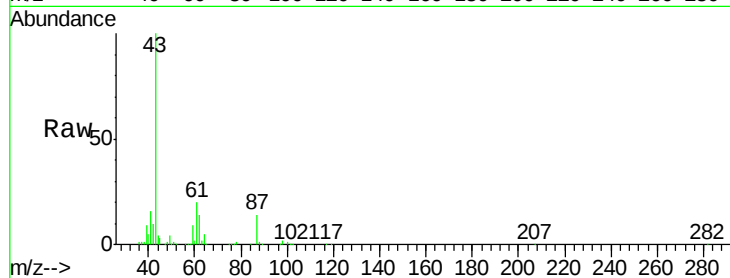
ClientSampleId :

VSTDCCC050

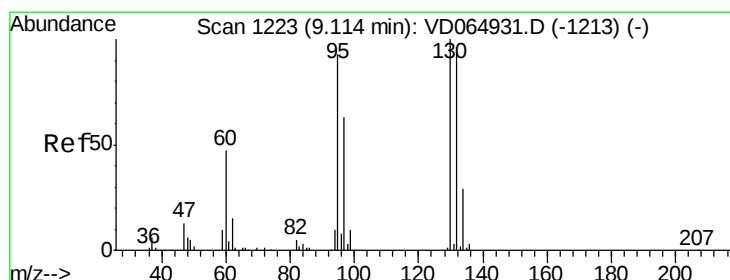
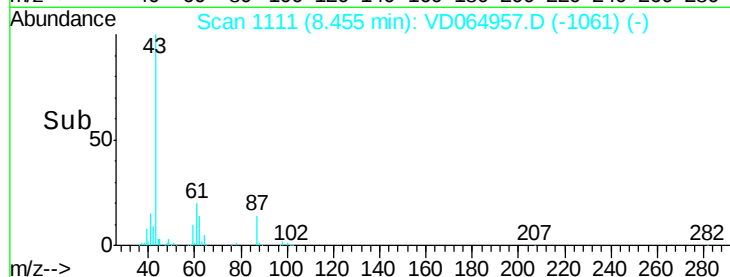
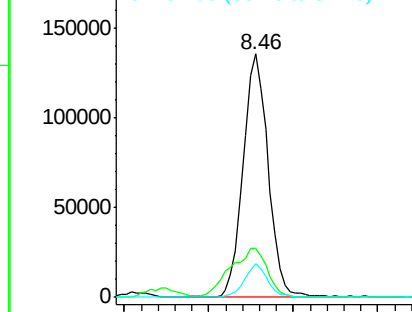
Tot Ion:	43	Resp:	276994
Ion	Ratio	Lower	Upper
43	100		
61	30.4	23.8	35.6
87	12.7	10.3	15.5

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 54.877 ug/l

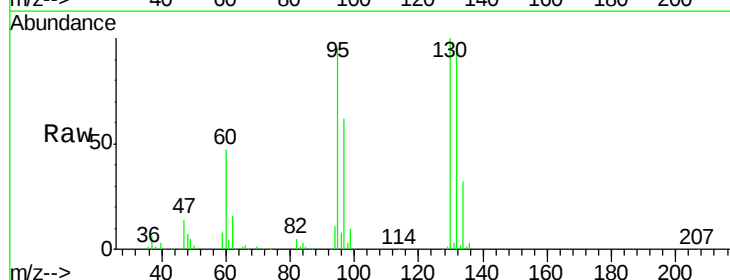
RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

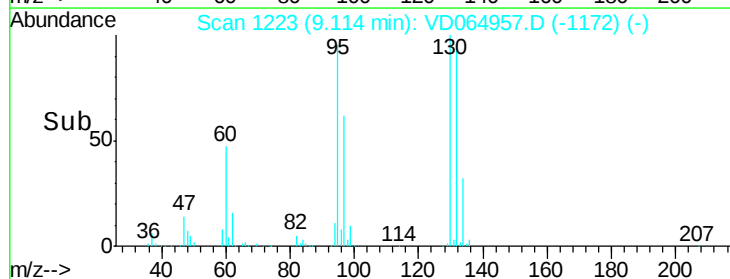
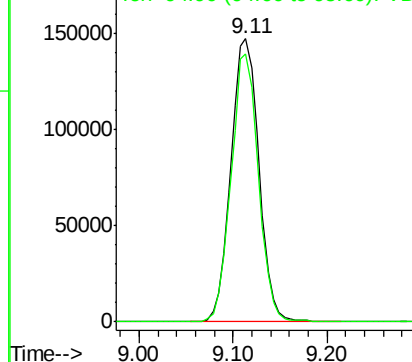
Lab File: VD064957.D

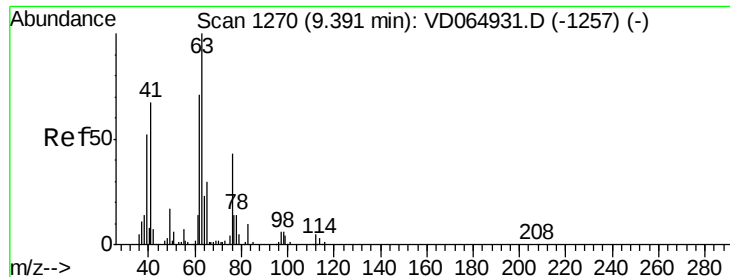
Acq: 27 Jan 2020 10:28

Tgt Ion:	130	Resp:	304889
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.873 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 254450

Ion Ratio Lower Upper

63 100

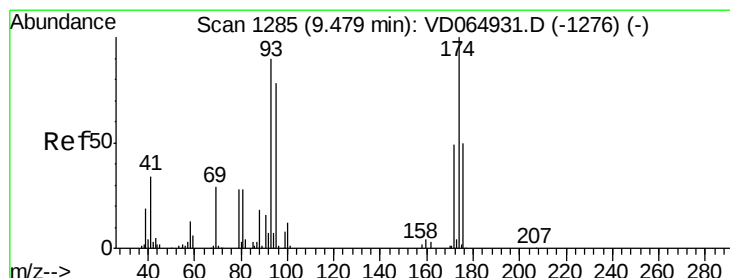
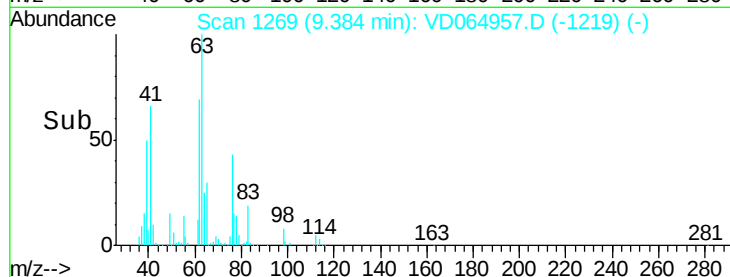
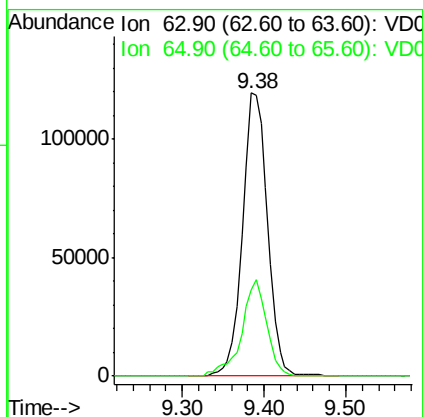
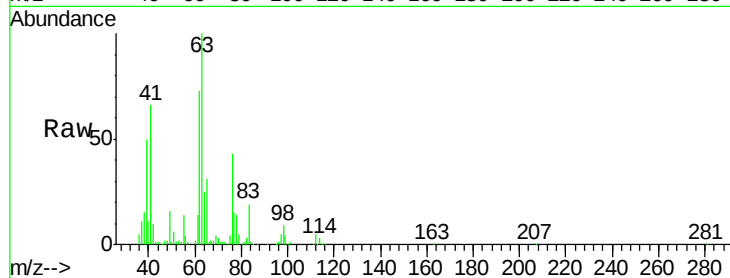
65 30.6 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 50.459 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

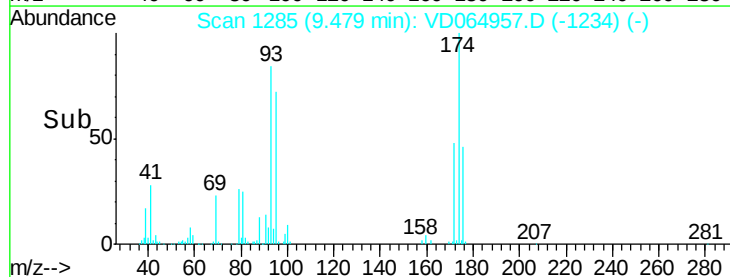
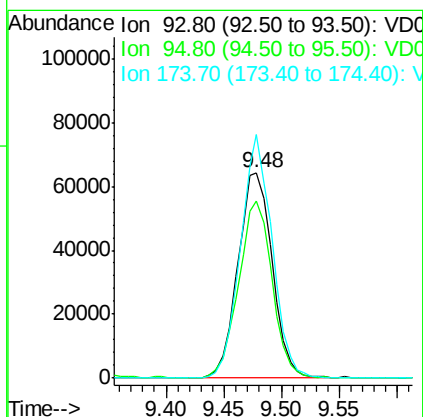
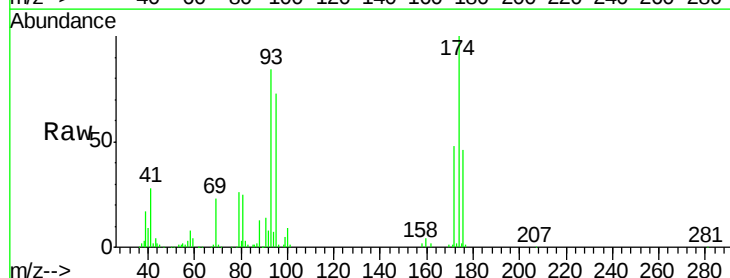
Tgt Ion: 93 Resp: 132577

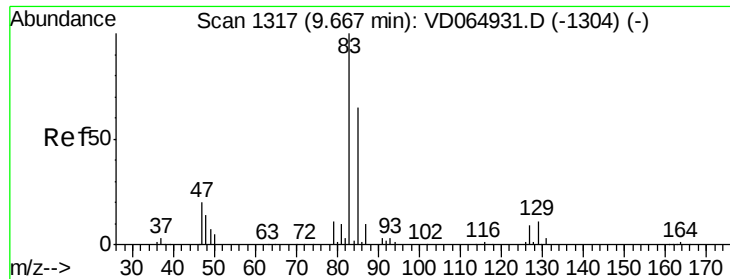
Ion Ratio Lower Upper

93 100

95 84.6 67.5 101.3

174 109.5 88.4 132.6





#47

Bromodichloromethane

Concen: 52.806 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

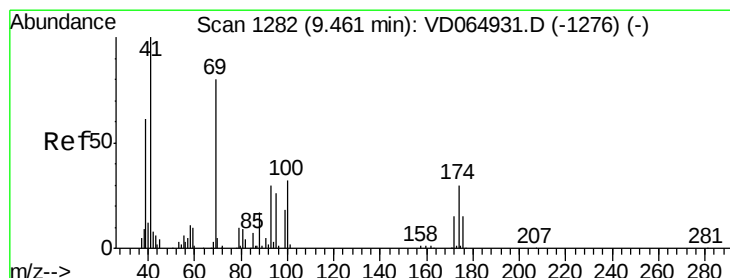
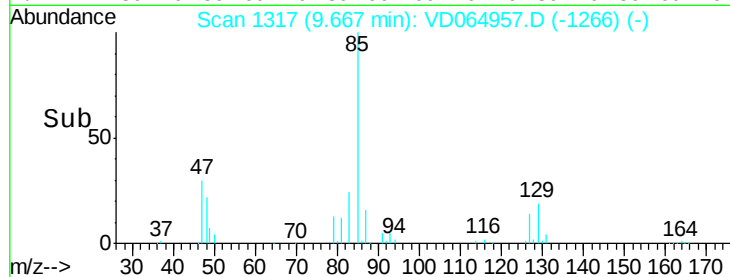
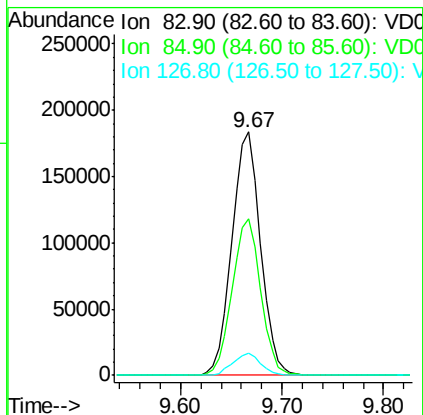
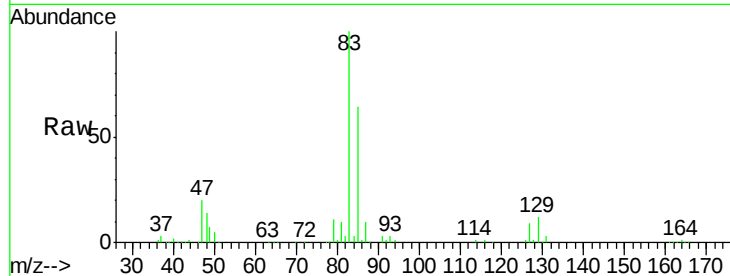
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	361024
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.0	78.0
127	9.2	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.817 ug/l

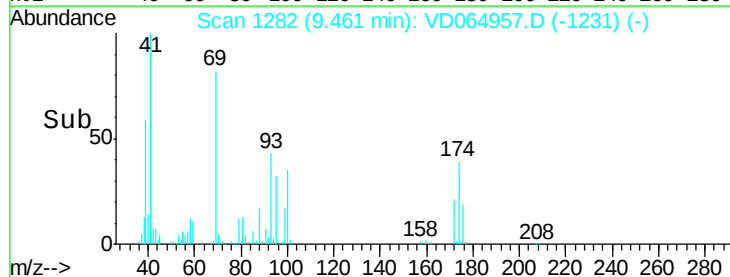
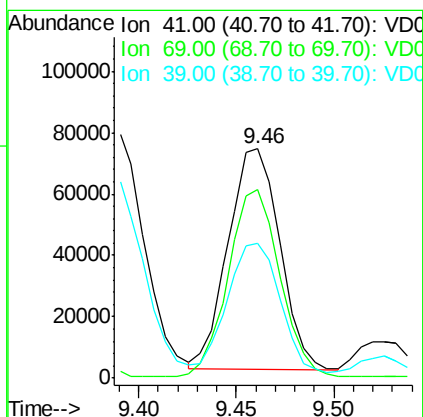
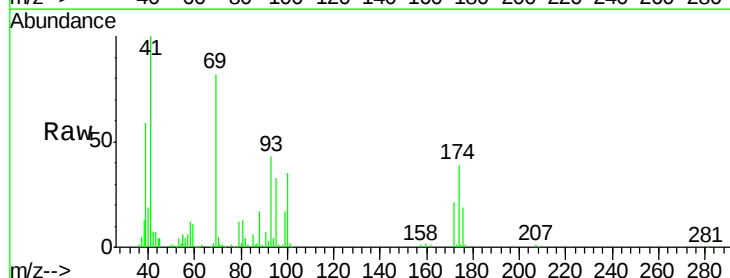
RT: 9.46 min Scan# 1282

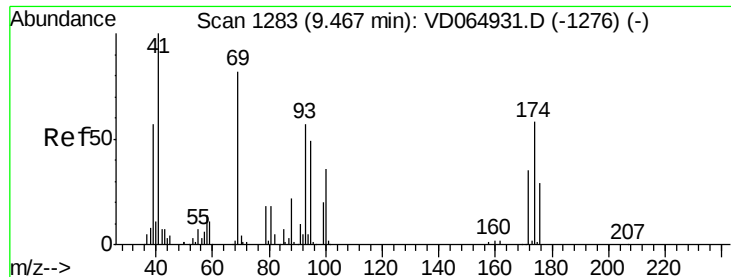
Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Tgt Ion:	41	Resp:	132255
Ion Ratio	Lower	Upper	
41	100		
69	84.9	65.8	98.8
39	59.6	49.4	74.0





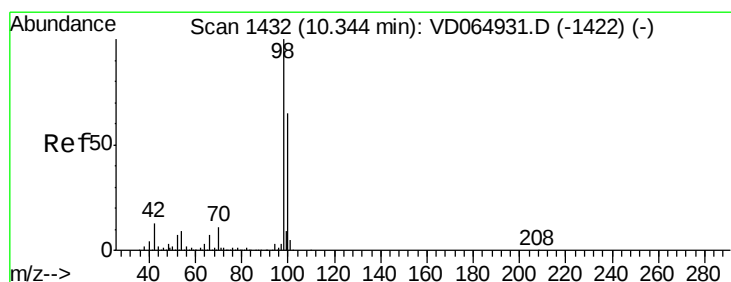
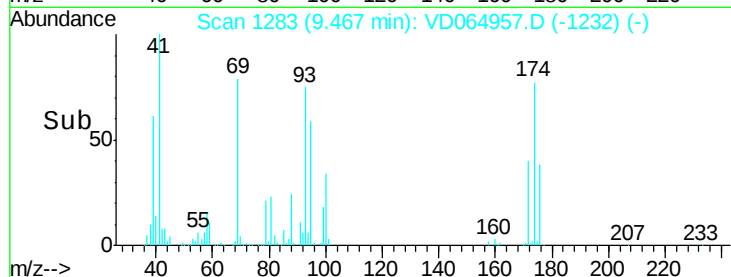
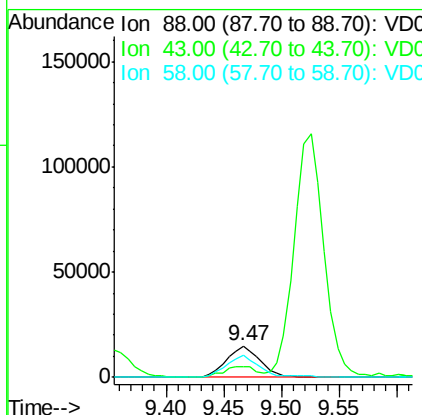
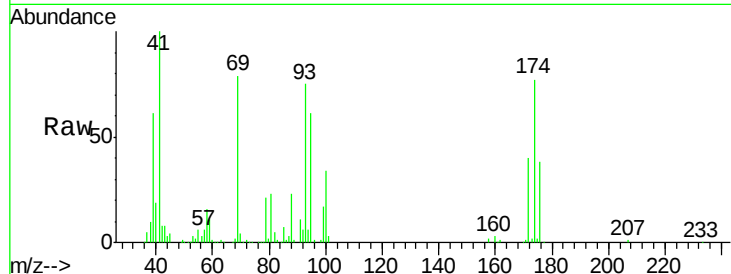
#49
1,4-Dioxane
Concen: 978.658 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	29822
Ion	Ratio	Lower	Upper
88	100		
43	31.3	26.2	39.4
58	71.2	50.3	75.5

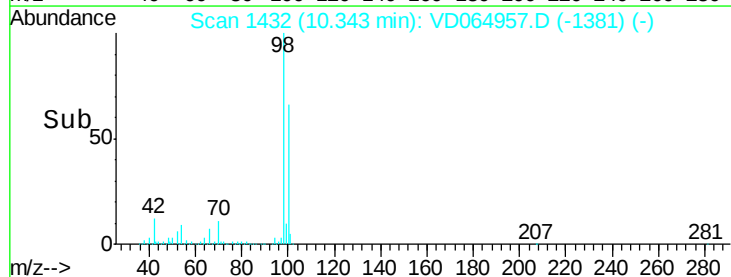
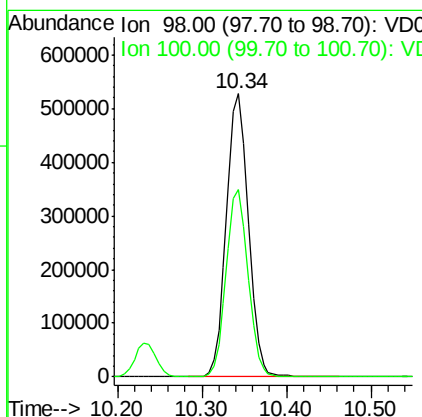
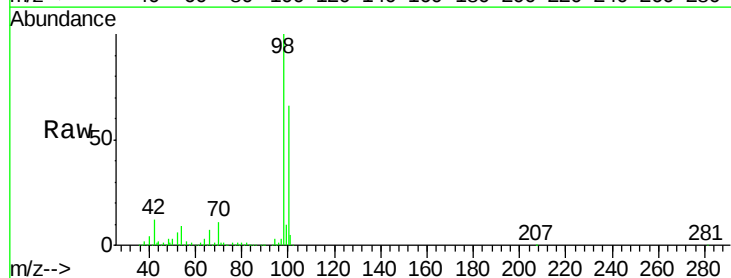
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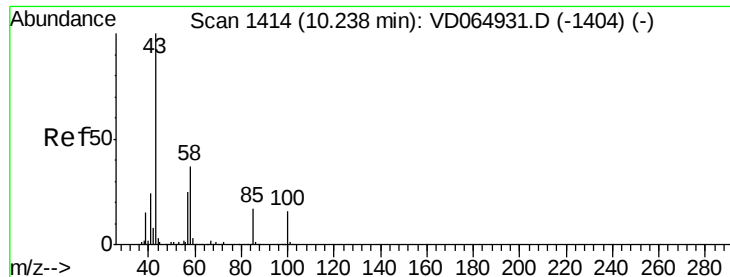
MMDadoda
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#50
Toluene-d8
Concen: 52.407 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion	98	Resp	950133
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.3	78.5





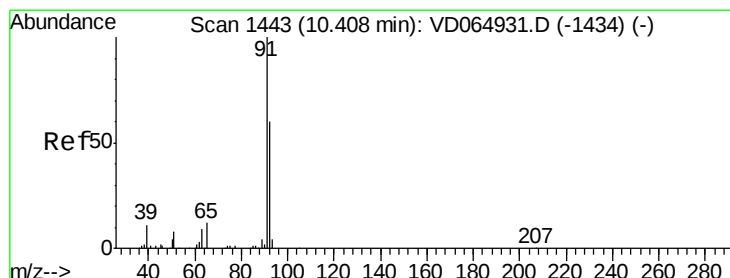
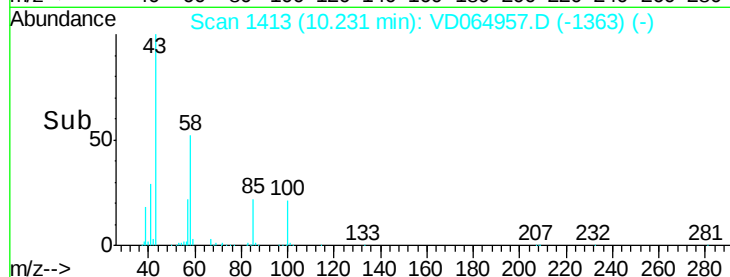
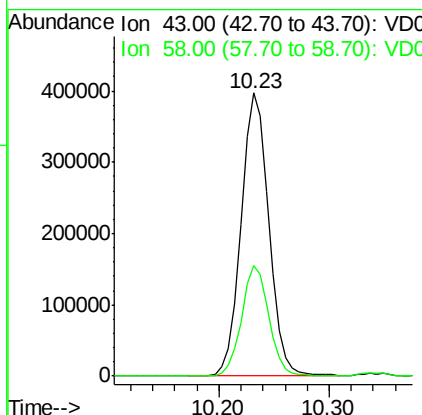
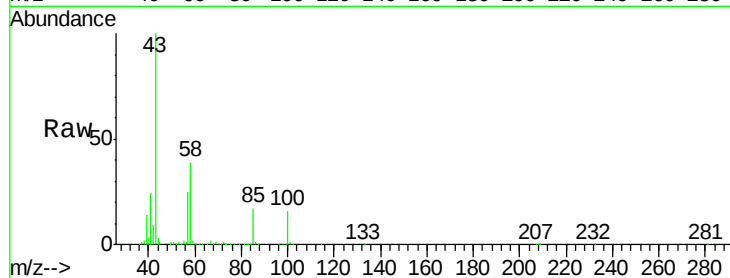
#51
4-Methyl-2-Pentanone
Concen: 248.564 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 703384
Ion Ratio Lower Upper
43 100
58 38.2 30.4 45.6

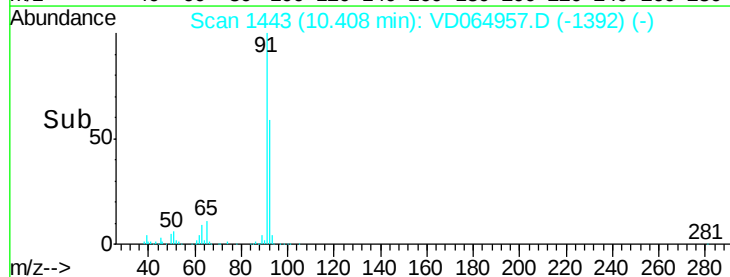
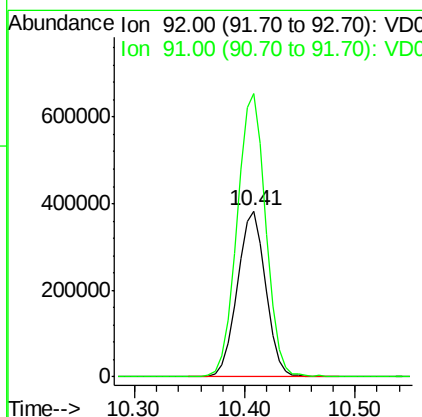
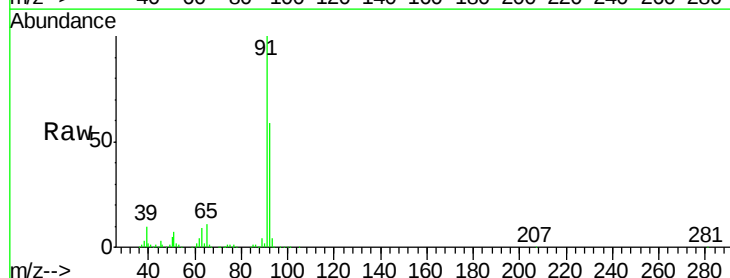
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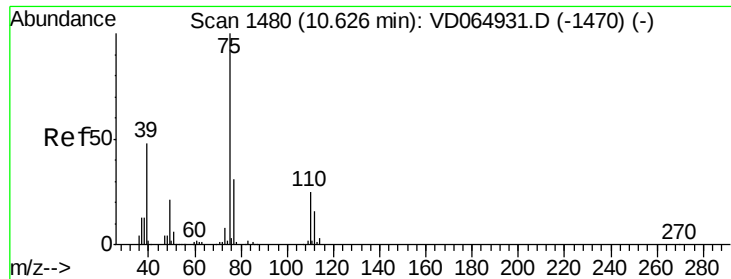
MMDadoda
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#52
Toluene
Concen: 54.014 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion: 92 Resp: 691316
Ion Ratio Lower Upper
92 100
91 172.9 136.8 205.2





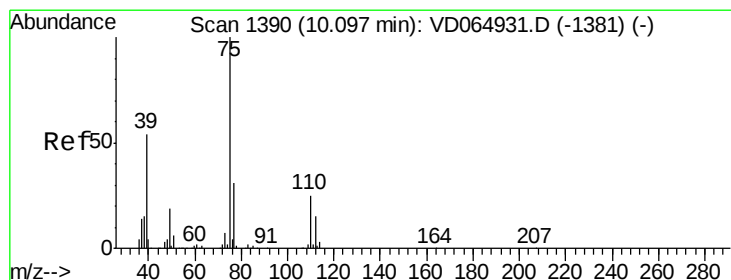
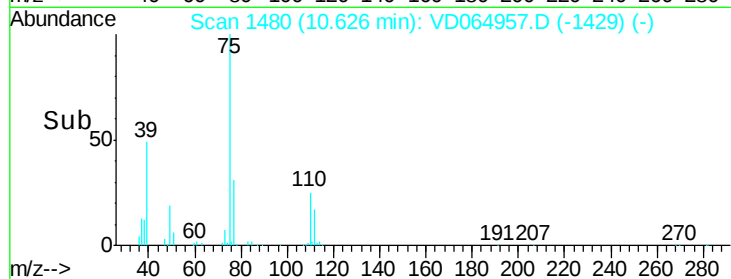
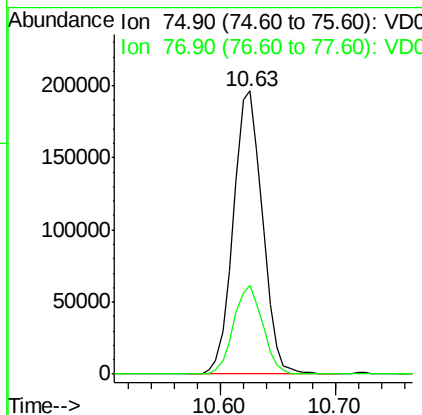
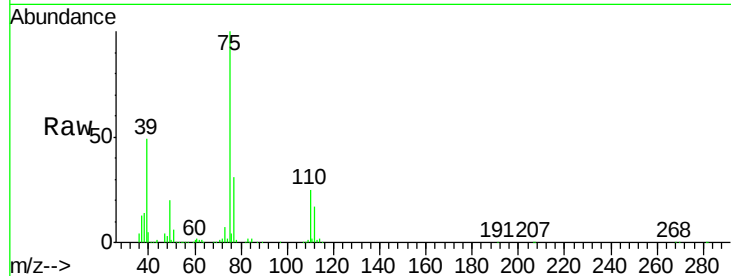
#53
t-1,3-Dichloropropene
Concen: 52.710 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 343269
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6

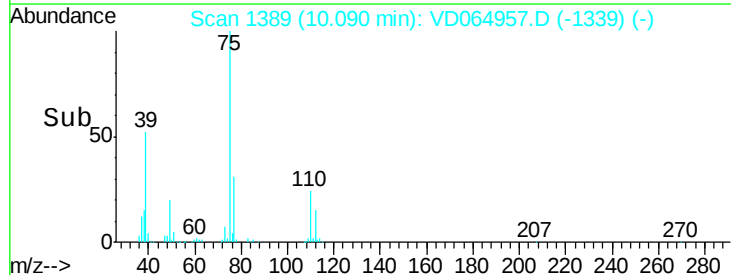
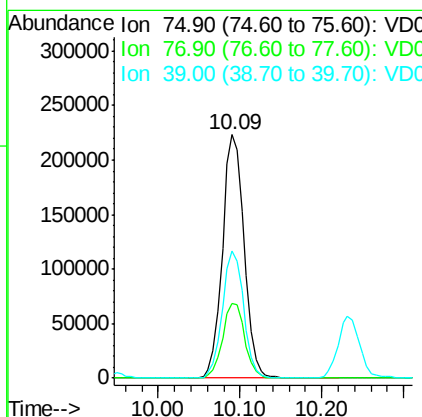
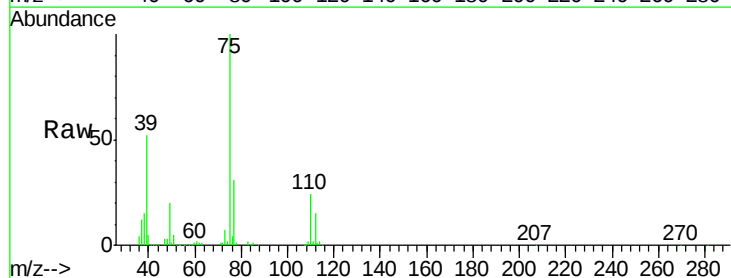
Manual Integrations
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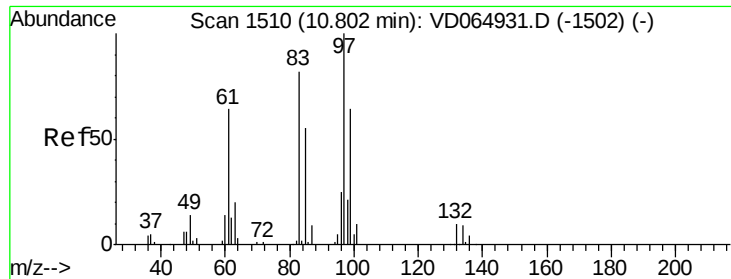
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#54
cis-1,3-Dichloropropene
Concen: 54.085 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion: 75 Resp: 412392
Ion Ratio Lower Upper
75 100
77 30.6 25.1 37.7
39 52.1 43.0 64.6





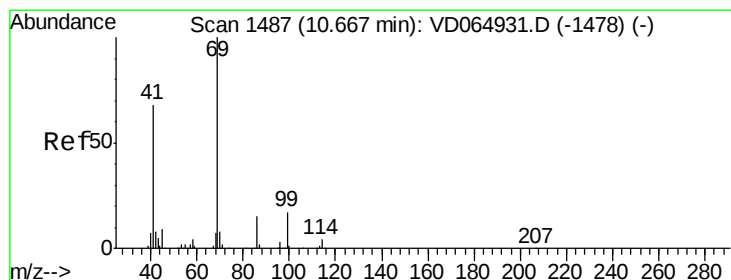
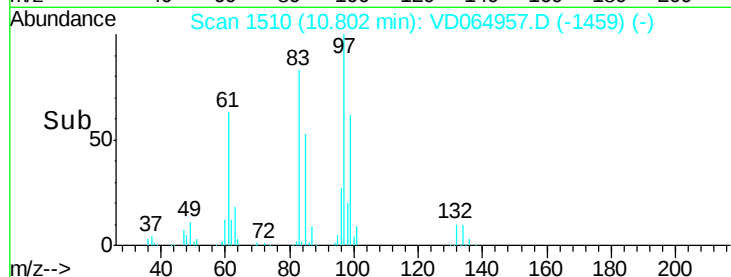
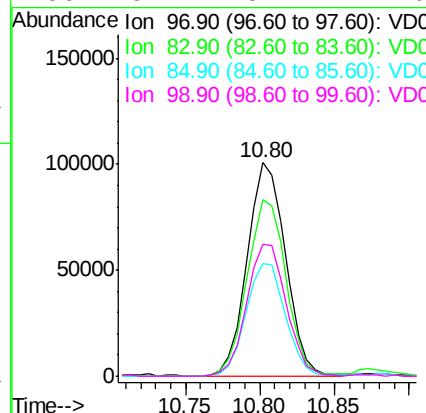
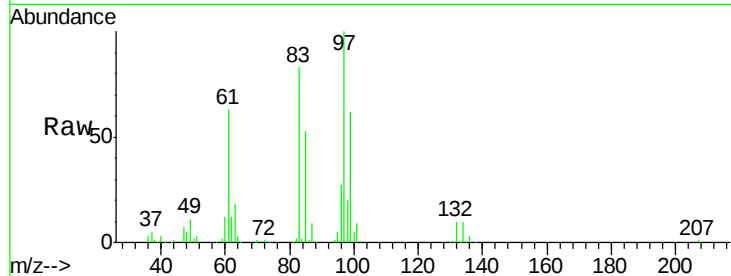
#55
 1,1,2-Trichloroethane
 Concen: 50.761 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	179651
Ion	Ratio	Lower	Upper
97	100		
83	83.0	66.0	99.0
85	52.8	44.4	66.6
99	61.7	51.4	77.0

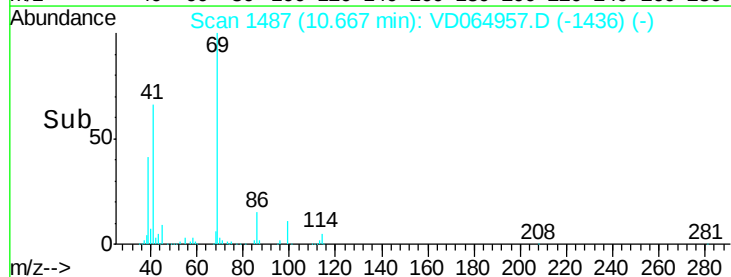
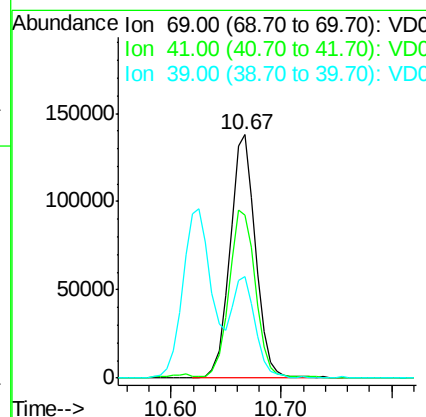
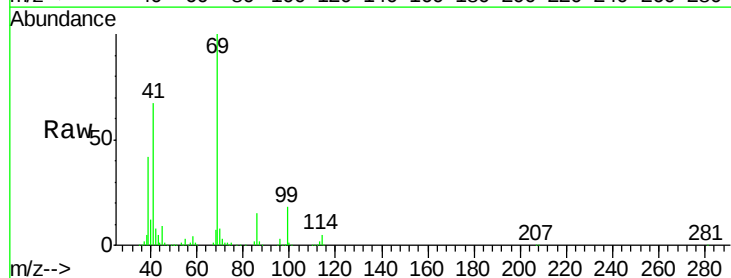
Manual Integrations
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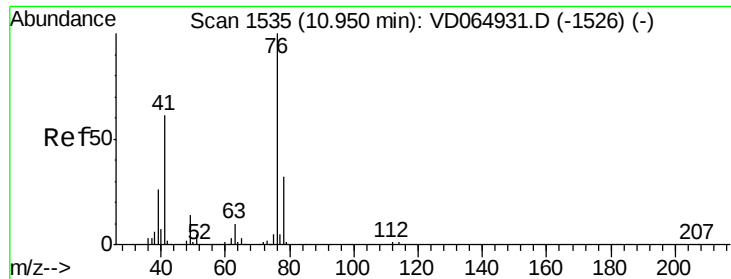
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#56
 Ethyl methacrylate
 Concen: 52.754 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion:	69	Resp:	223265
Ion	Ratio	Lower	Upper
69	100		
41	71.1	56.4	84.6
39	36.6	30.6	46.0





#57

1,3-Dichloropropane

Concen: 51.343 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 311664

Ion Ratio Lower Upper

76 100

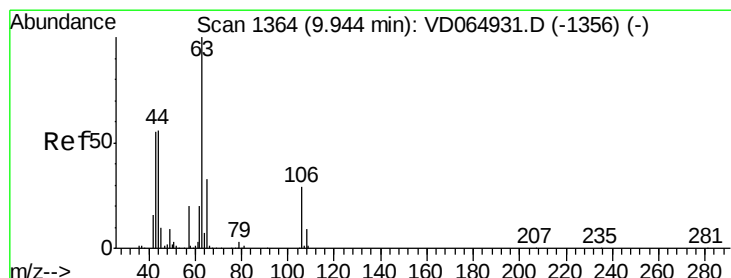
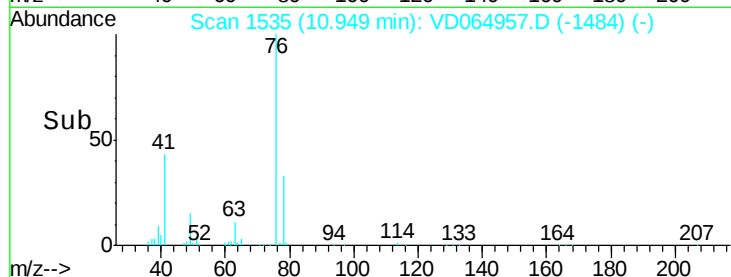
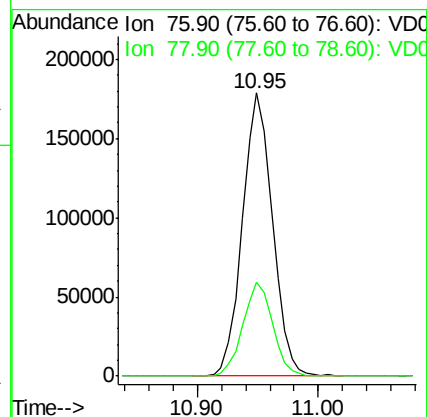
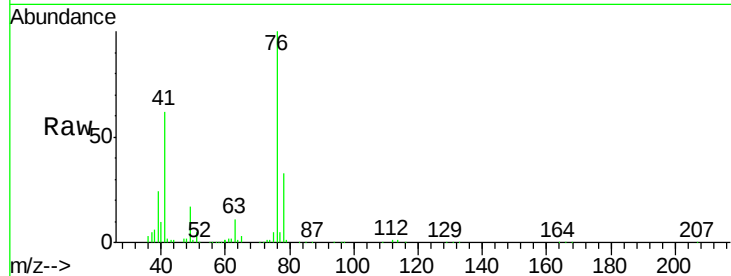
78 33.0 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 230.197 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064957.D

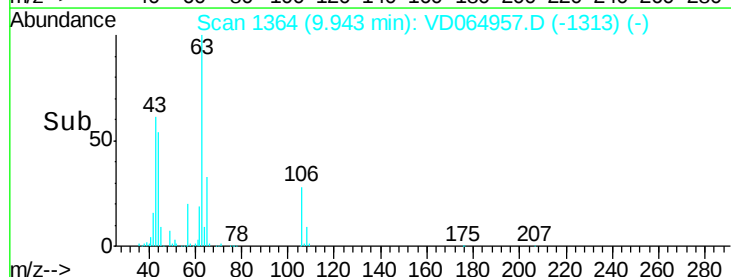
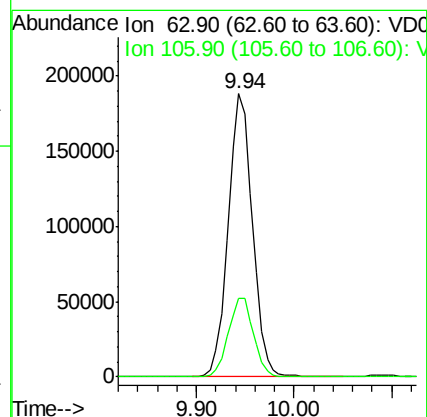
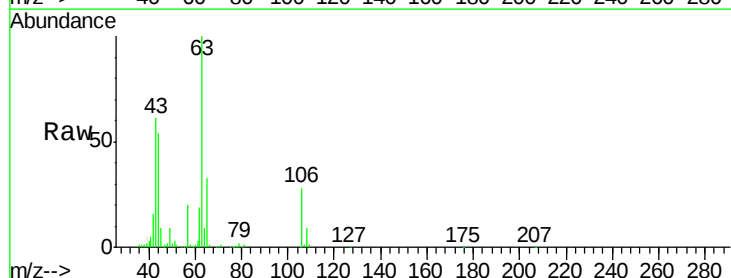
Acq: 27 Jan 2020 10:28

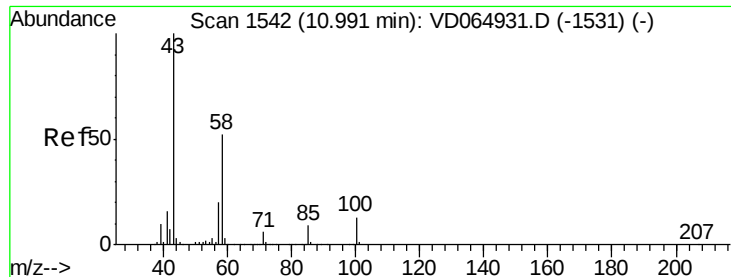
Tgt Ion: 63 Resp: 323664

Ion Ratio Lower Upper

63 100

106 29.0 23.0 34.4





#59

2-Hexanone

Concen: 285.911 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 558072

Ion Ratio Lower Upper

43 100

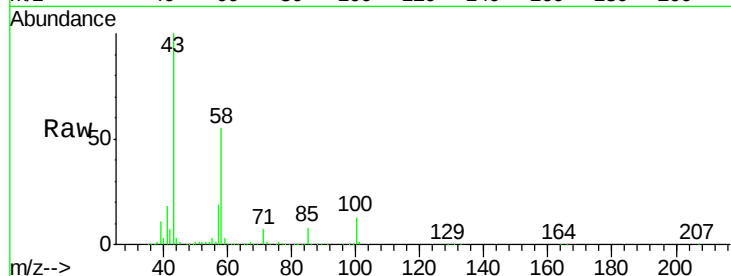
58 52.2 26.5 79.4

Manual Integrations

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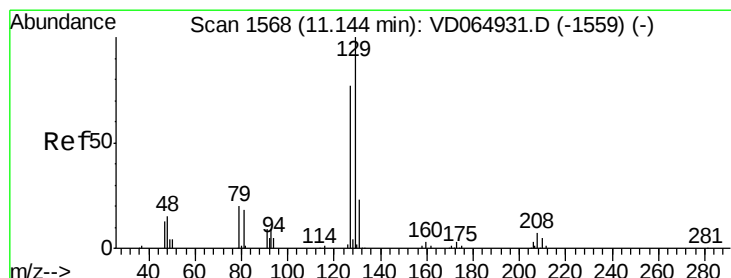
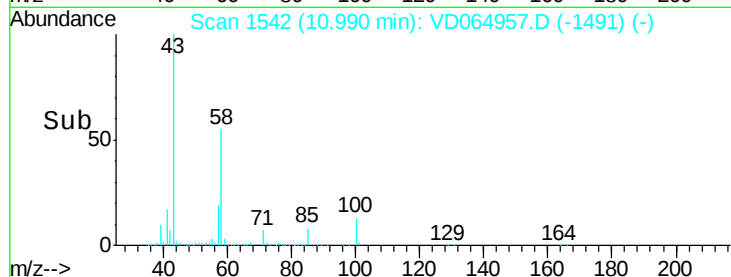
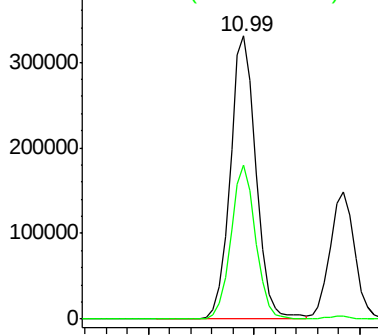
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 52.092 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VD064957.D

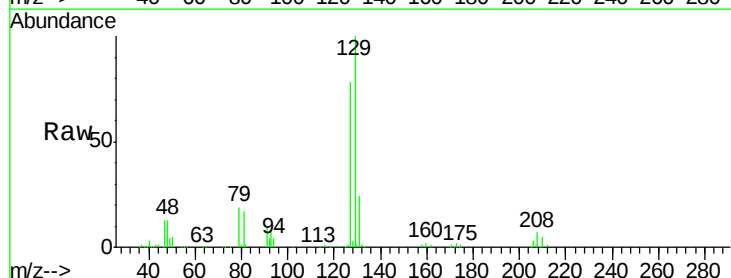
Acq: 27 Jan 2020 10:28

Tgt Ion: 129 Resp: 246409

Ion Ratio Lower Upper

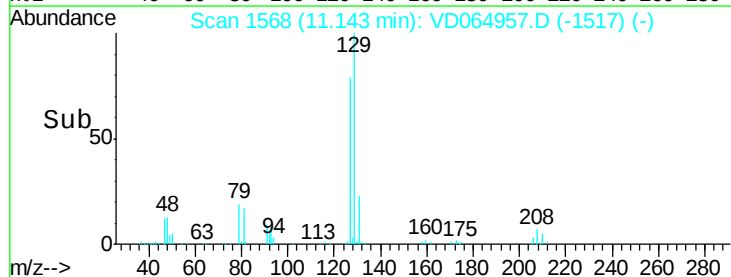
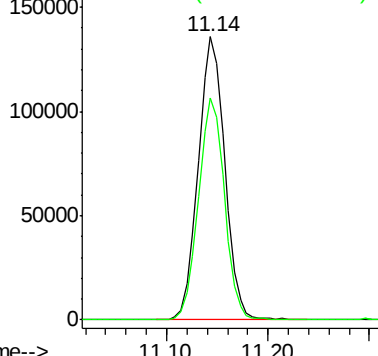
129 100

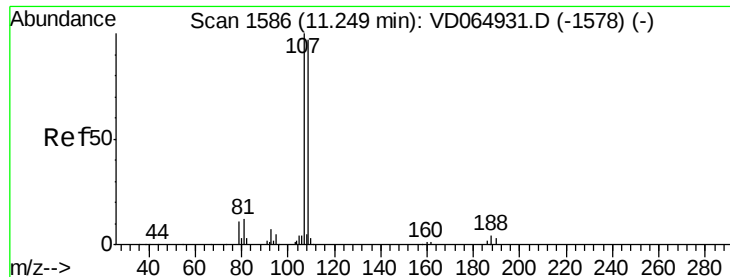
127 77.0 38.2 114.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





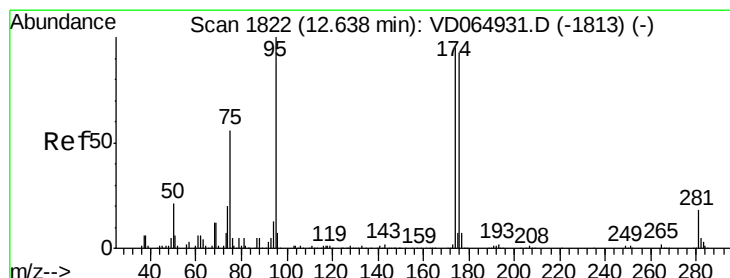
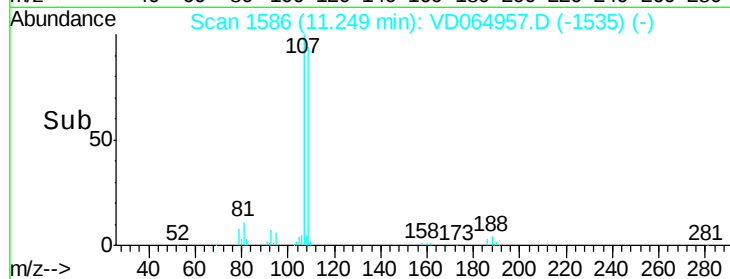
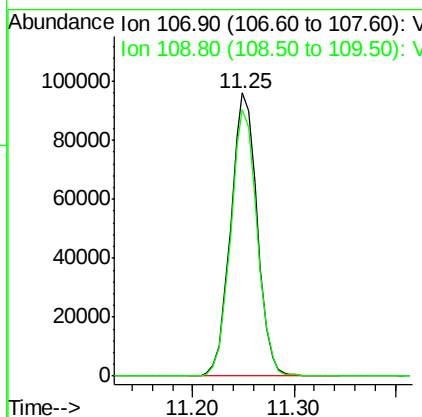
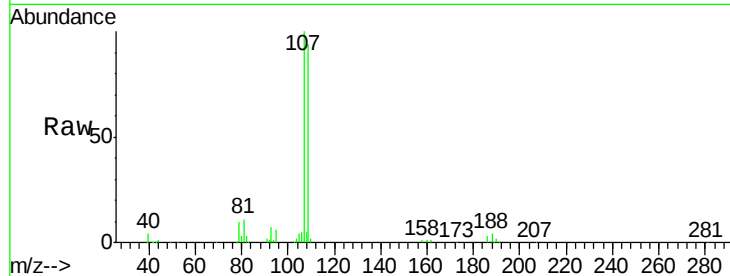
#61
 1,2-Dibromoethane
 Concen: 50.774 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	77.1	115.7

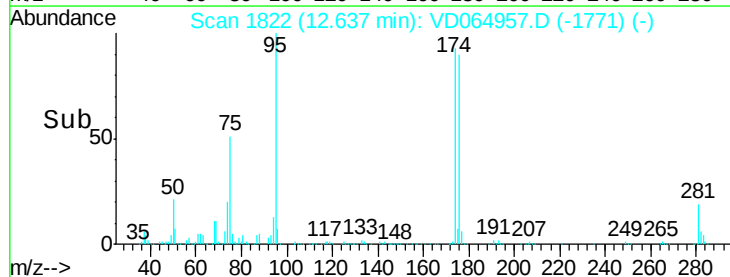
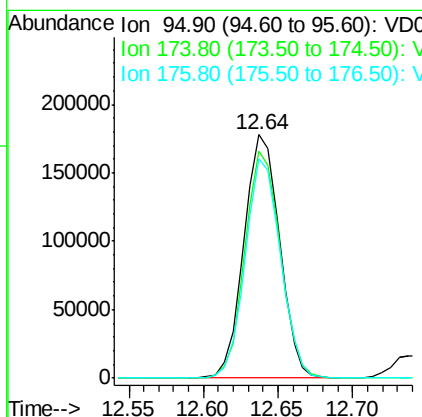
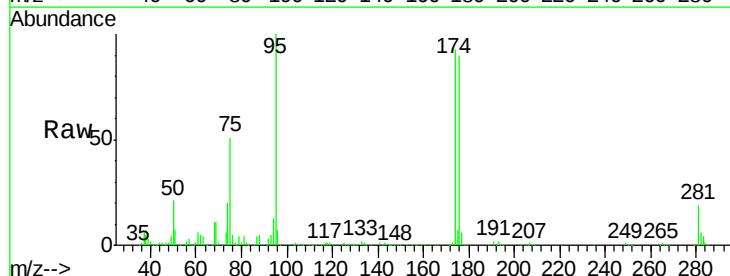
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 53.003 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	186.8
176	89.1	0.0	183.4





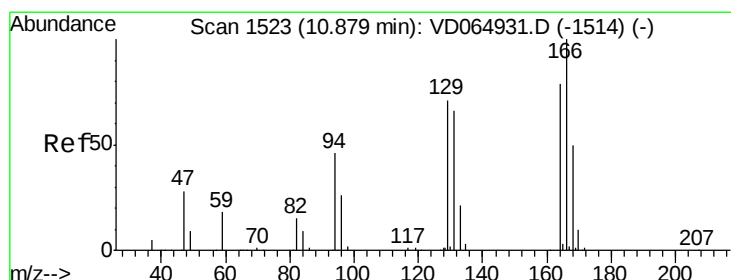
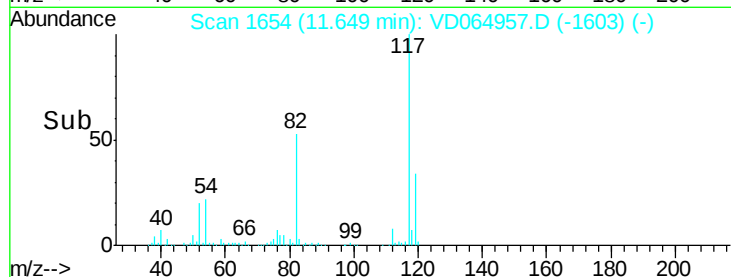
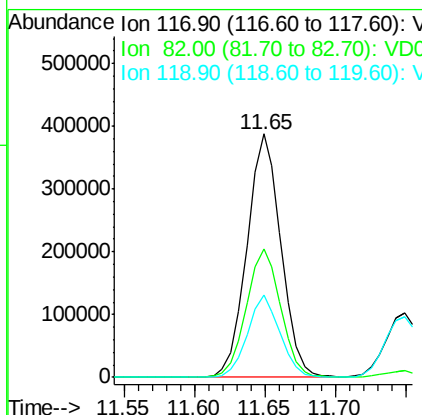
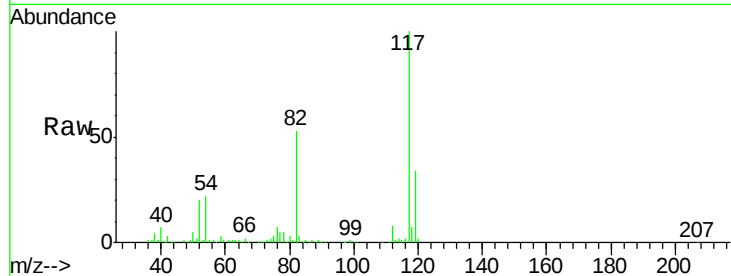
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.6	65.4
119	33.6	25.2	37.8

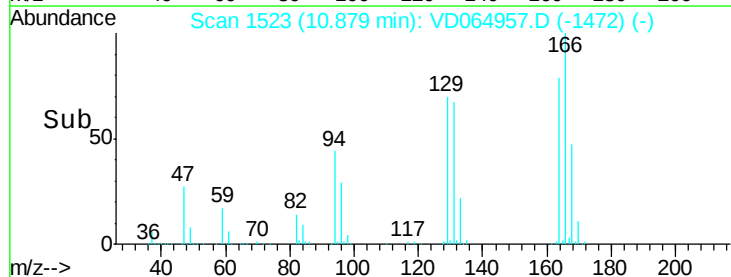
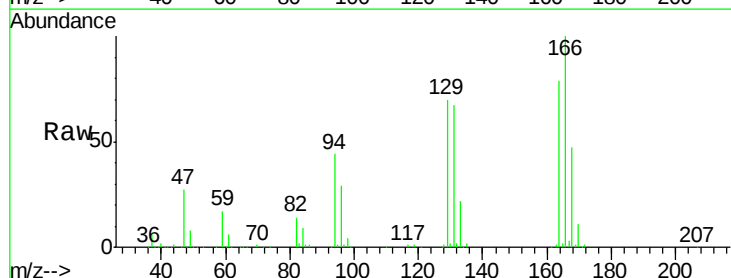
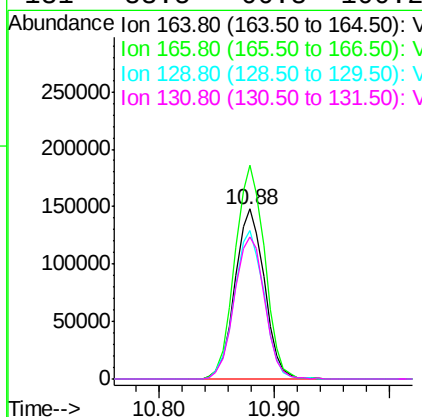
Manual Integrations
APPROVED

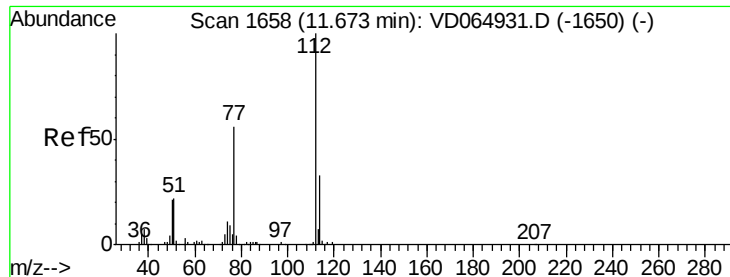
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#64
Tetrachloroethene
Concen: 55.587 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	101.4	152.2
129	87.7	71.8	107.8
131	83.5	66.8	100.2





#65

Chlorobenzene

Concen: 54.095 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 716788

Ion Ratio Lower Upper

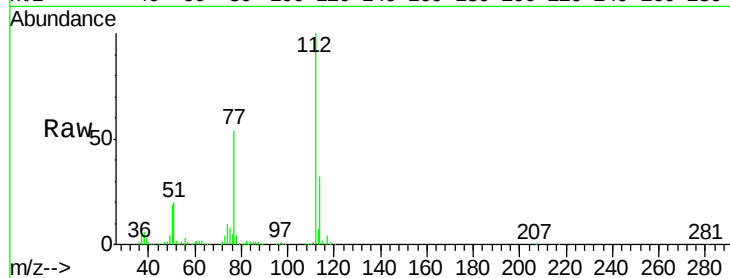
112 100

114 31.9 26.2 39.4

Manual Integrations
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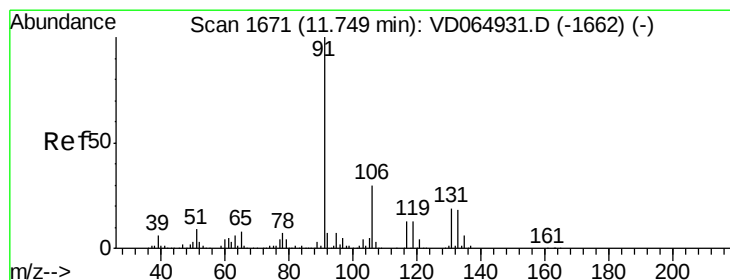
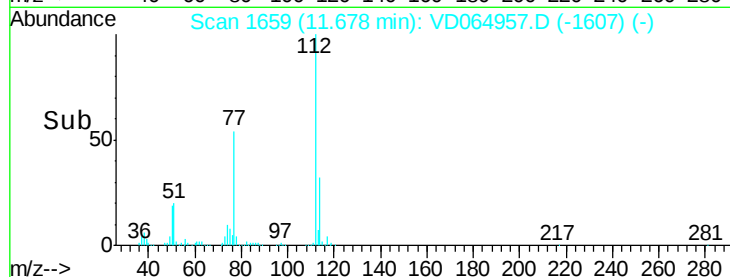
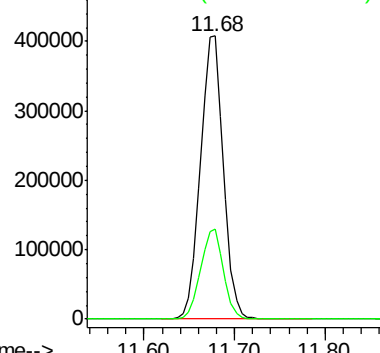
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.364 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

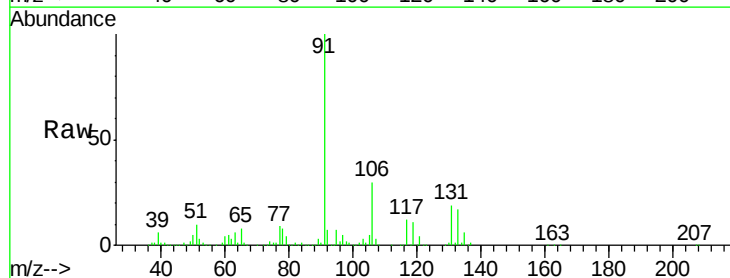
Tgt Ion:131 Resp: 270907

Ion Ratio Lower Upper

131 100

133 94.2 47.5 142.5

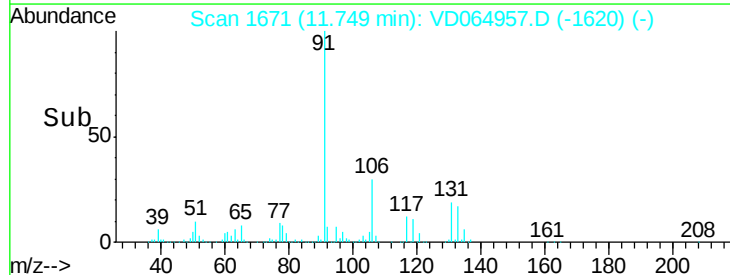
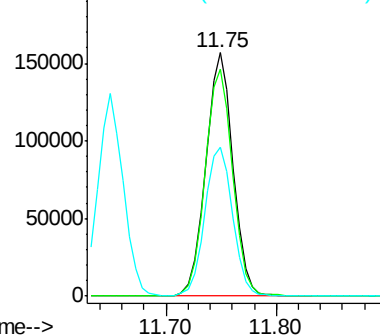
119 62.6 31.1 93.5

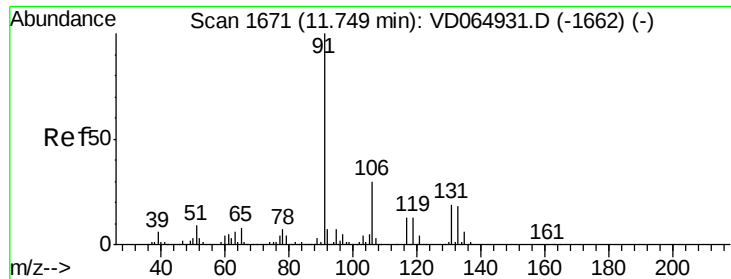


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 56.520 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1329567

Ion Ratio Lower Upper

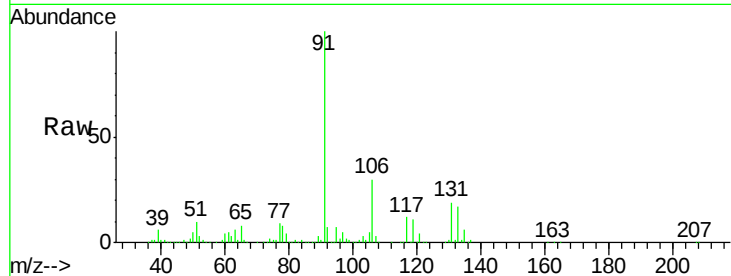
91 100

106 30.4 24.3 36.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

1200000

1000000

800000

600000

400000

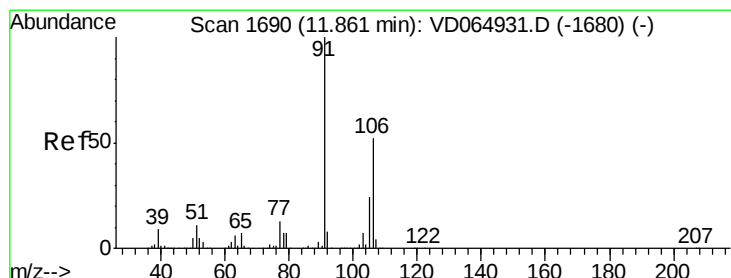
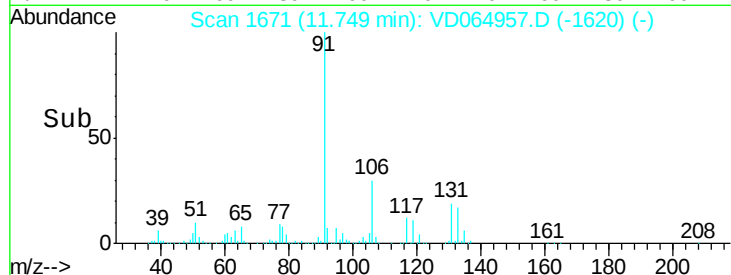
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 114.805 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD064957.D

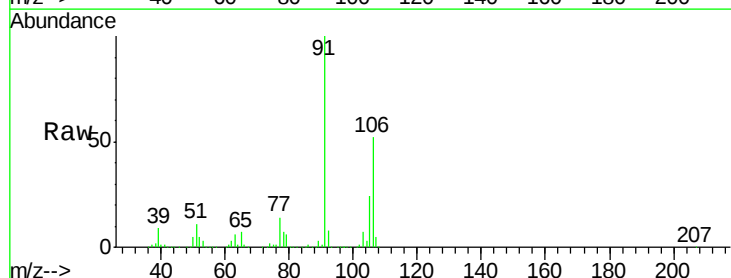
Acq: 27 Jan 2020 10:28

Tgt Ion: 106 Resp: 1039814

Ion Ratio Lower Upper

106 100

91 196.5 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

1200000

1000000

800000

600000

400000

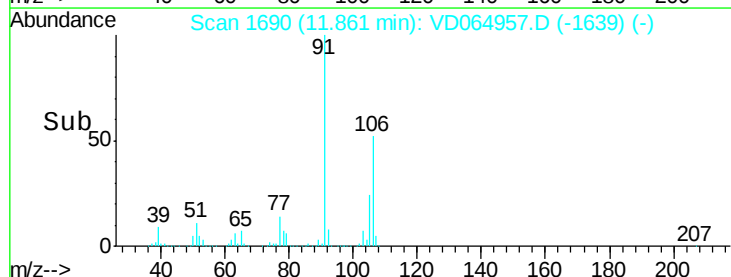
200000

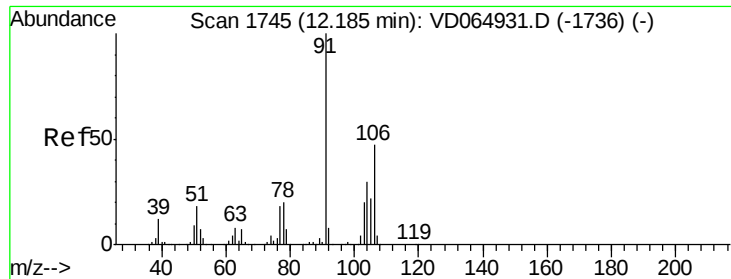
0

11.86

11.90

Time-->





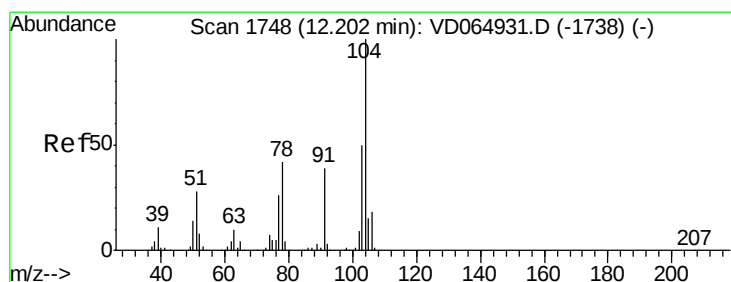
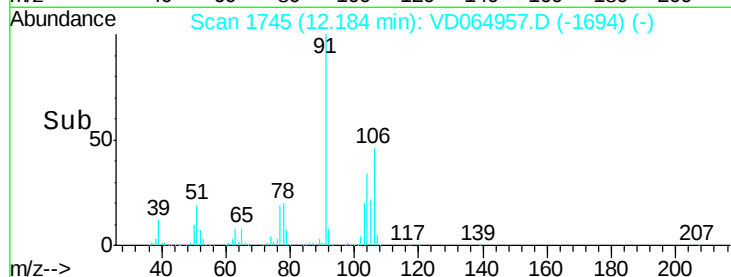
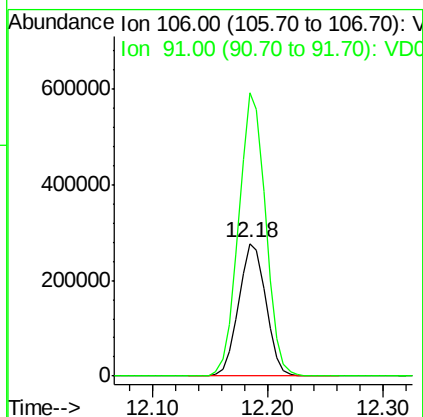
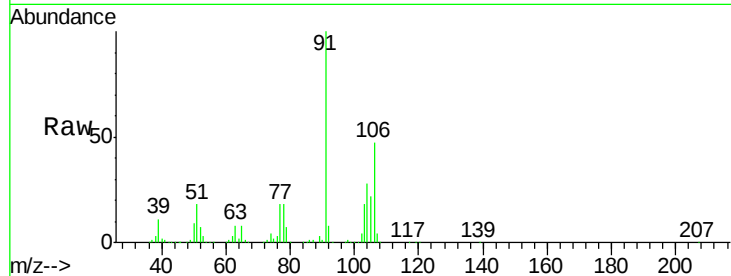
#69
o-Xylene
Concen: 56.390 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 453287
Ion Ratio Lower Upper
106 100
91 212.0 106.7 319.9

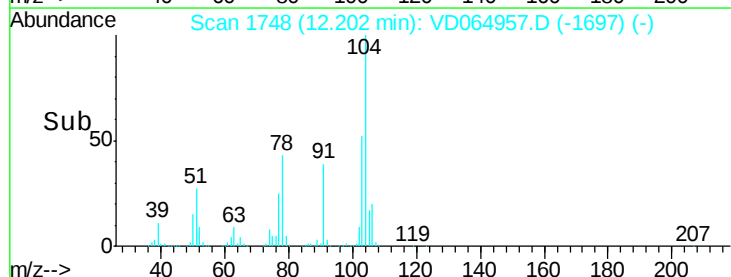
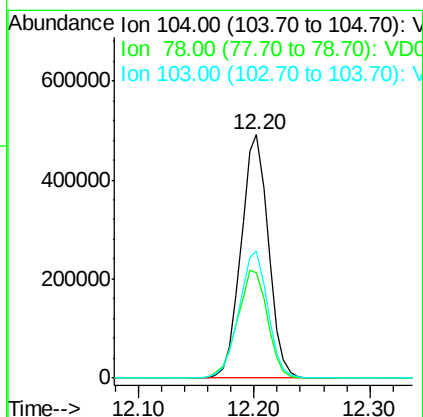
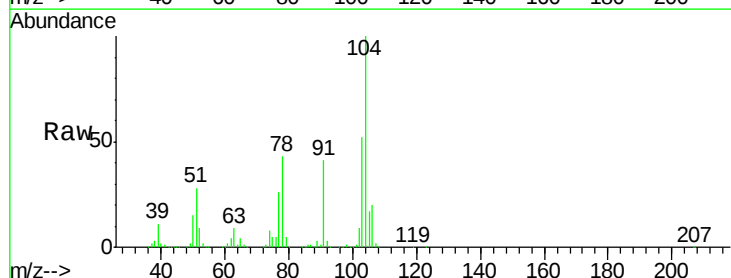
Manual Integrations
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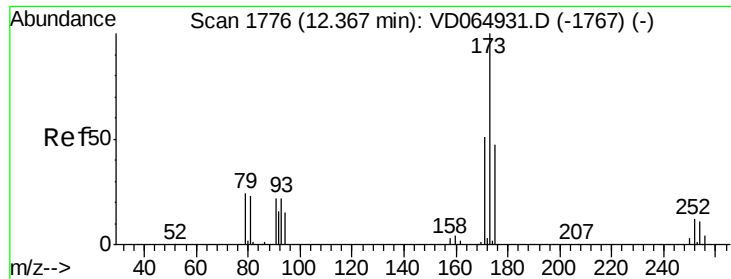
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#70
Styrene
Concen: 56.432 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion:104 Resp: 808066
Ion Ratio Lower Upper
104 100
78 48.8 38.3 57.5
103 55.1 43.5 65.3





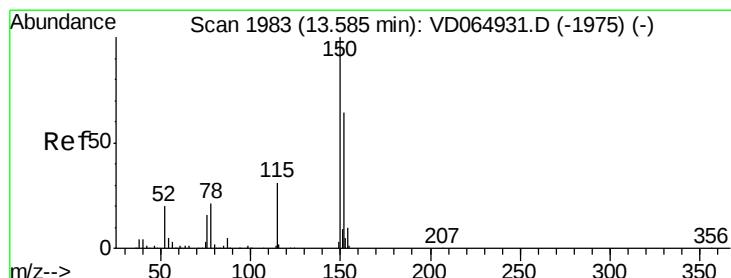
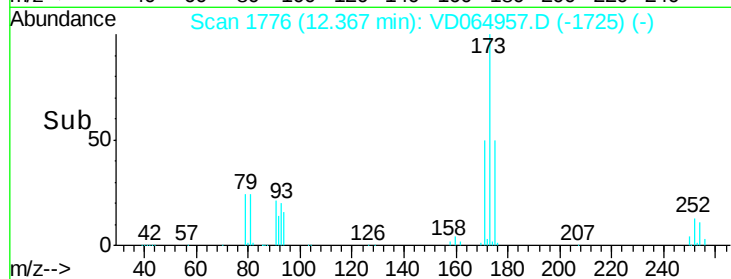
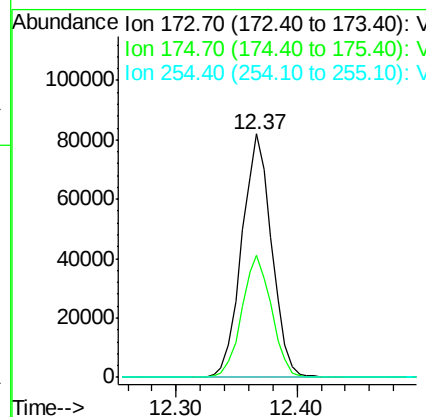
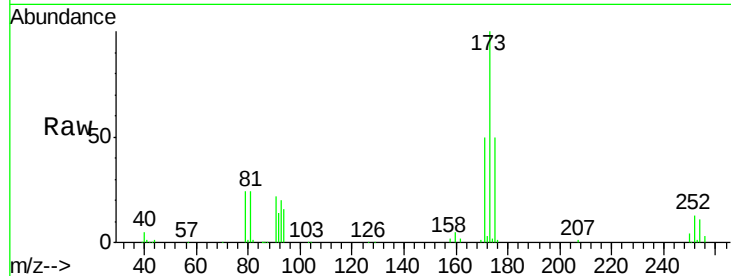
#71
Bromoform
Concen: 50.995 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.6	73.8
254	0.0	0.1	0.1

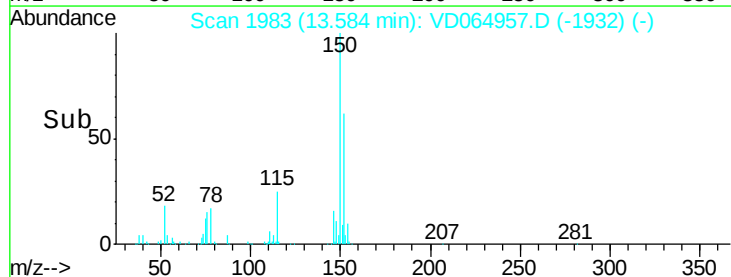
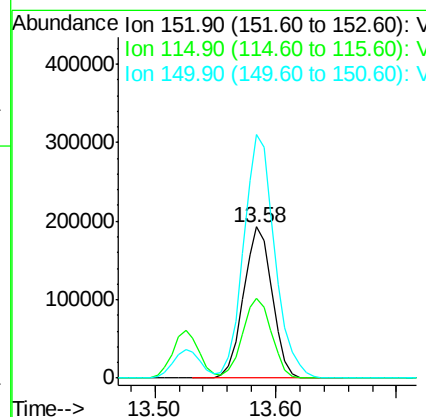
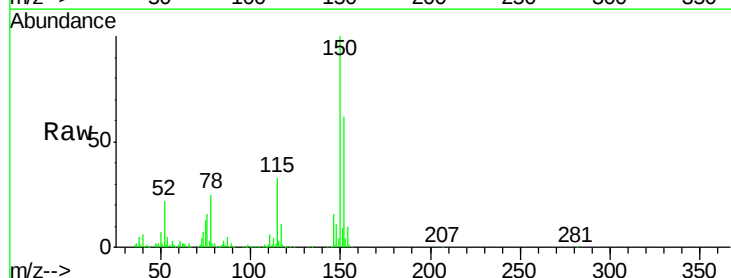
Manual Integrations
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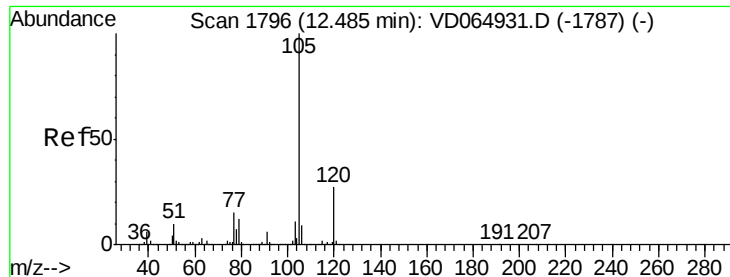
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	28.1	84.4
150	174.8	0.0	350.4





#73

Isopropylbenzene

Concen: 58.379 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1268682

Ion Ratio Lower Upper

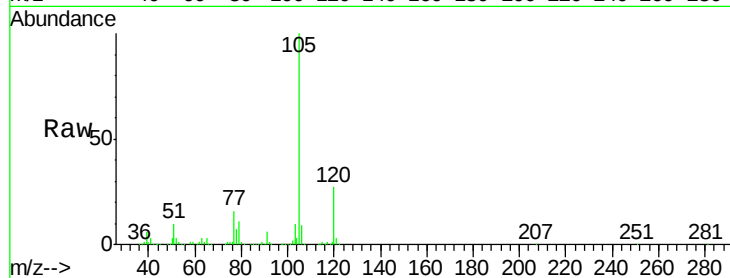
105 100

120 26.5 13.3 39.8

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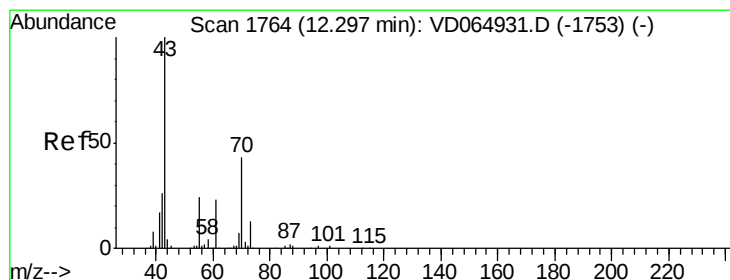
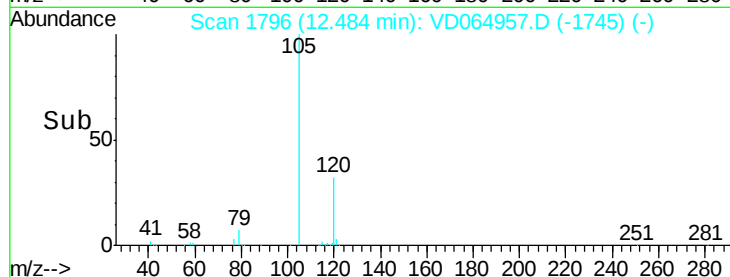
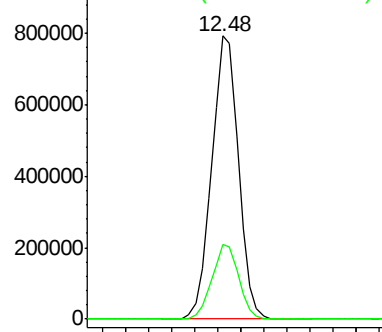
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.159 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Tgt Ion: 43 Resp: 253639

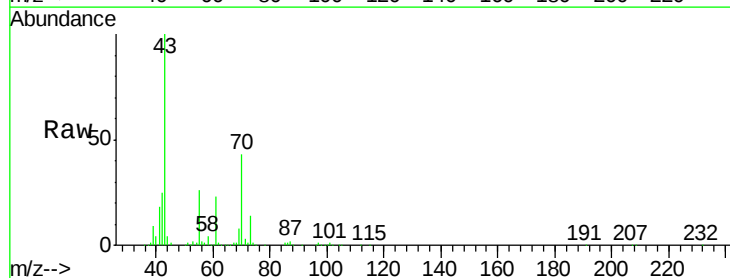
Ion Ratio Lower Upper

43 100

70 42.8 32.6 49.0

55 25.8 19.9 29.9

61 23.0 18.3 27.5

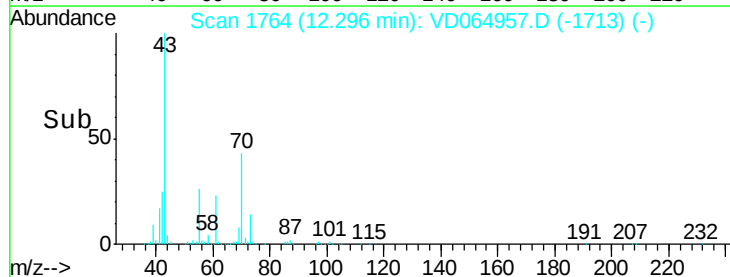
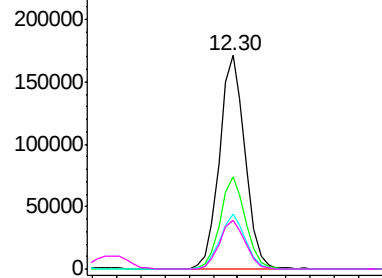


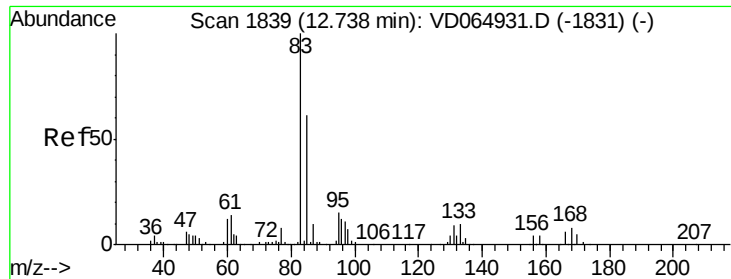
Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.962 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

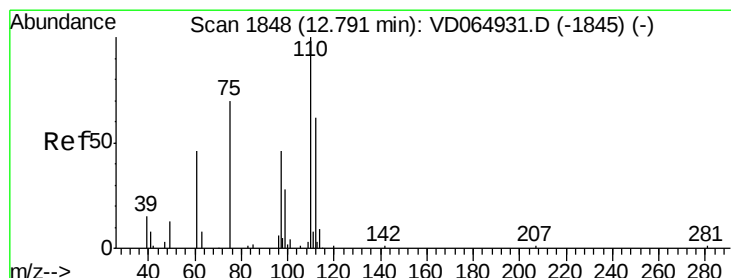
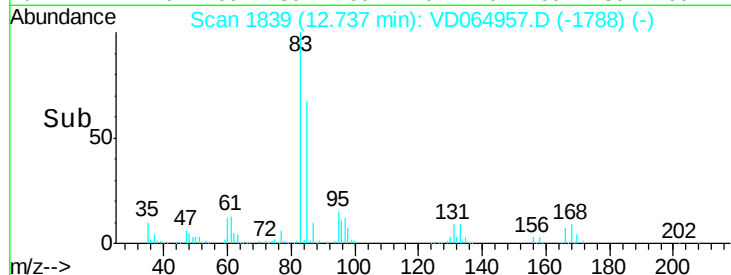
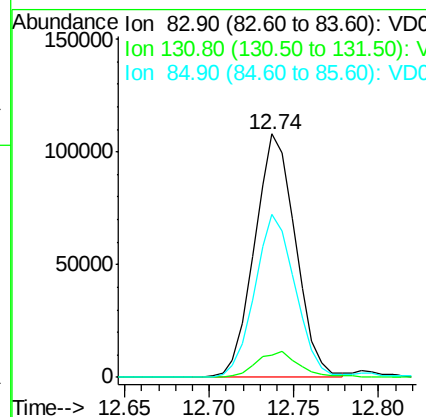
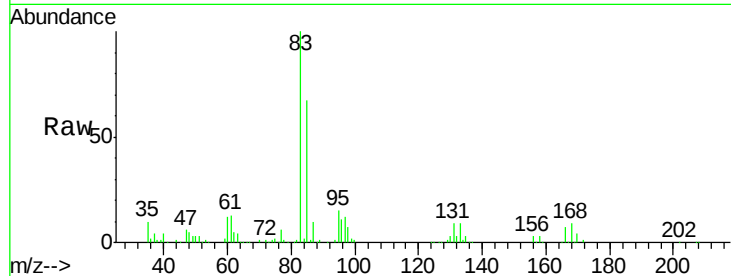
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	182484
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	66.1	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.851 ug/l m

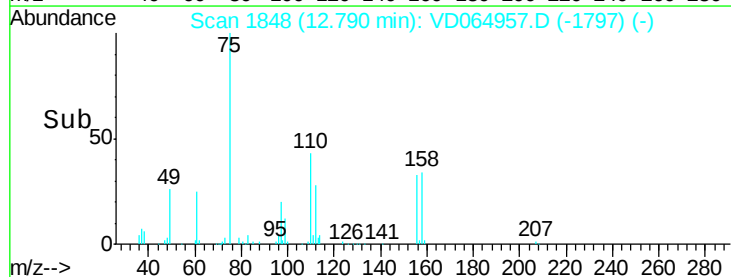
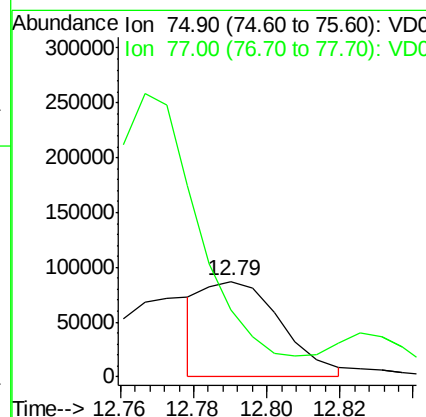
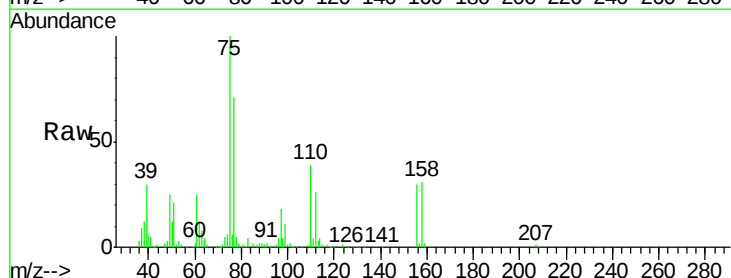
RT: 12.79 min Scan# 1848

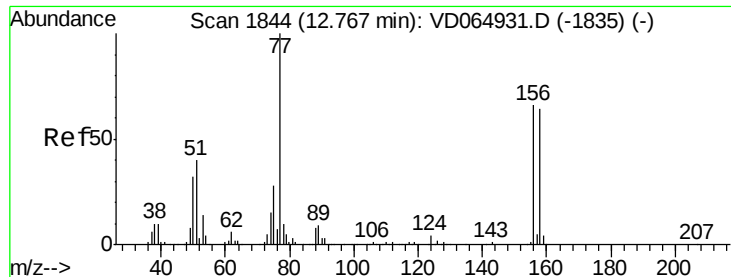
Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Tgt Ion:	75	Resp:	128918
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.528 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

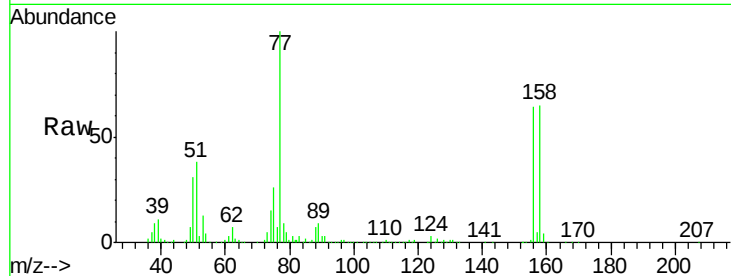
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.3	84.2	252.5
158	97.2	48.1	144.4

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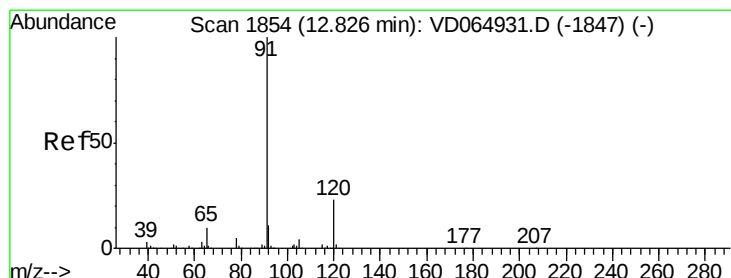
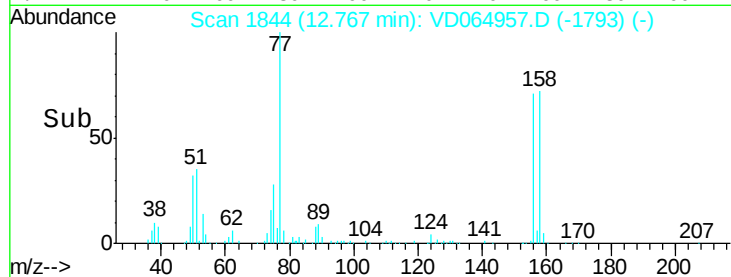
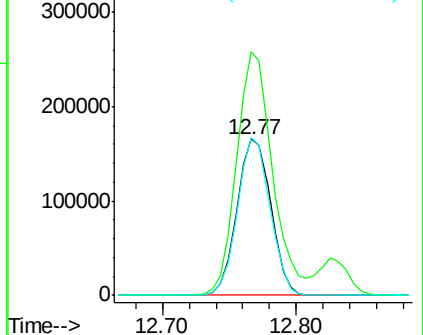
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.503 ug/l

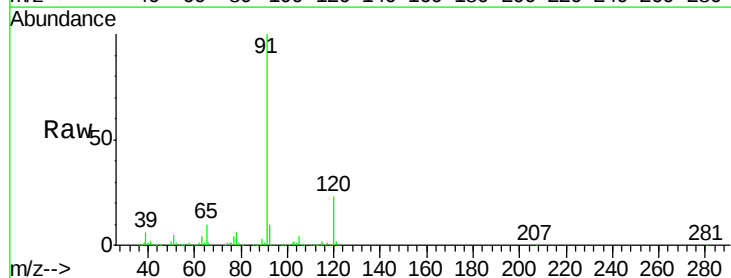
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064957.D

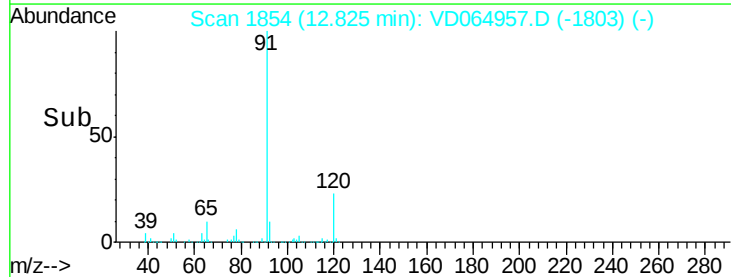
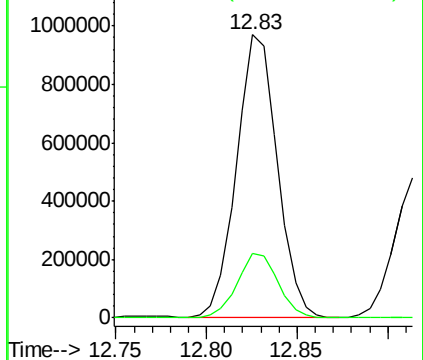
Acq: 27 Jan 2020 10:28

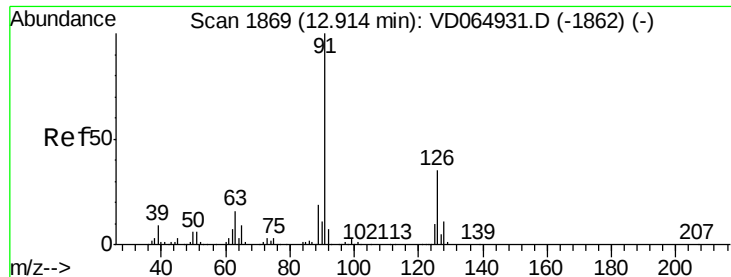
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.854 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 806058

Ion Ratio Lower Upper

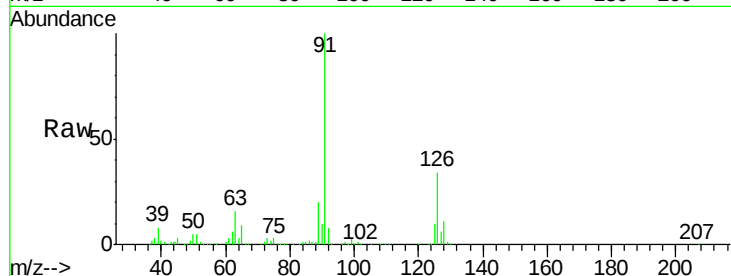
91 100

126 35.0 17.9 53.8

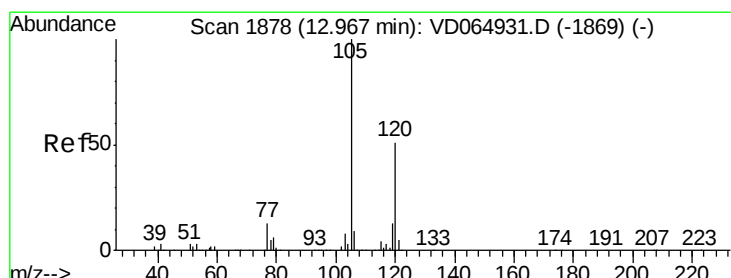
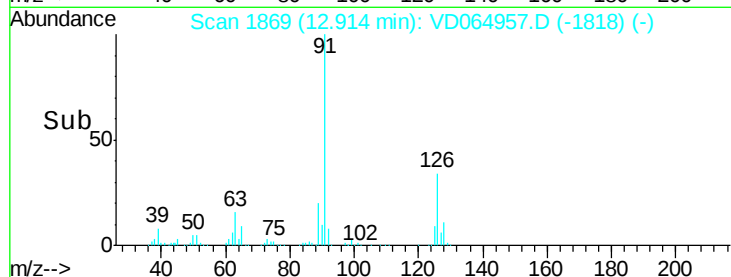
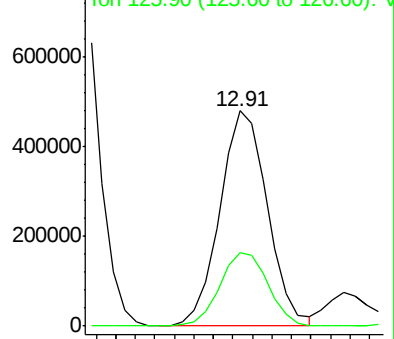
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 58.529 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064957.D

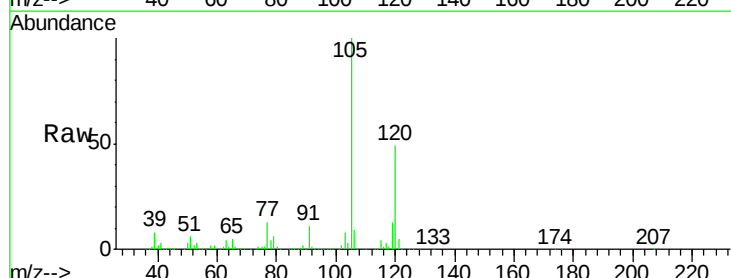
Acq: 27 Jan 2020 10:28

Tgt Ion: 105 Resp: 1042340

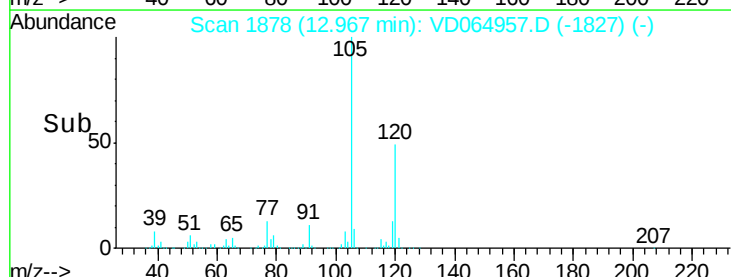
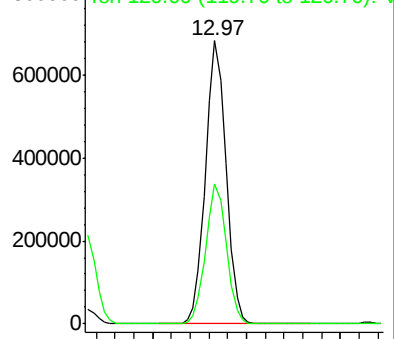
Ion Ratio Lower Upper

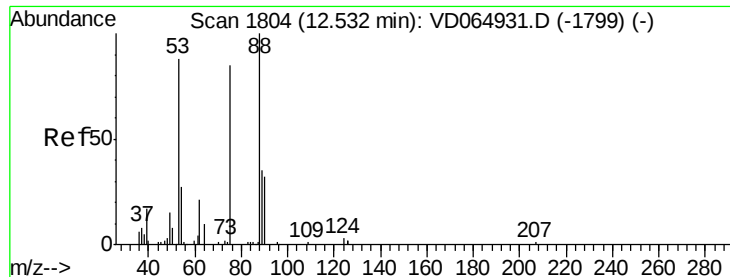
105 100

120 49.7 25.6 76.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 52.784 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 65238

Ion Ratio Lower Upper

75 100

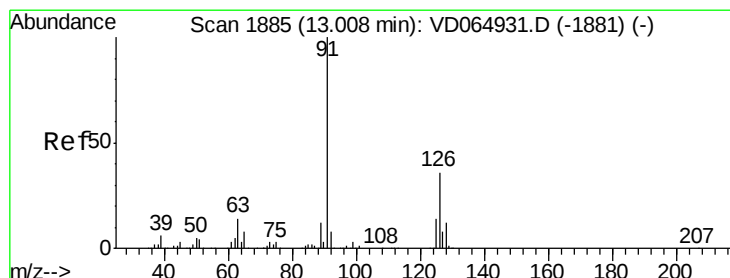
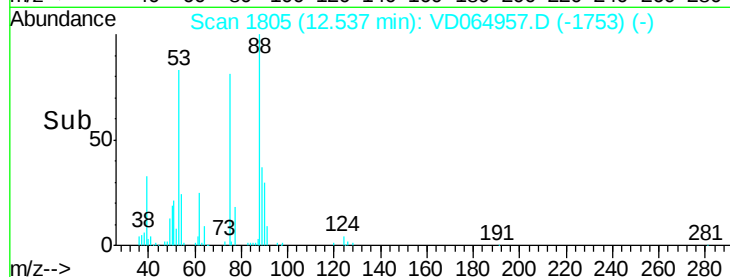
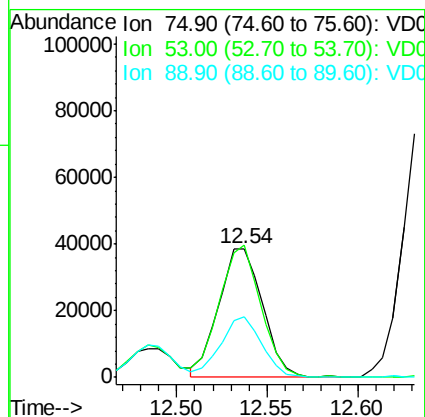
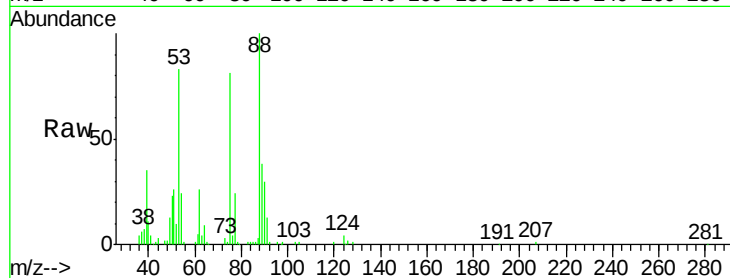
53 97.3 81.0 121.4

89 44.1 36.2 54.4

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#82

4-Chlorotoluene

Concen: 56.450 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064957.D

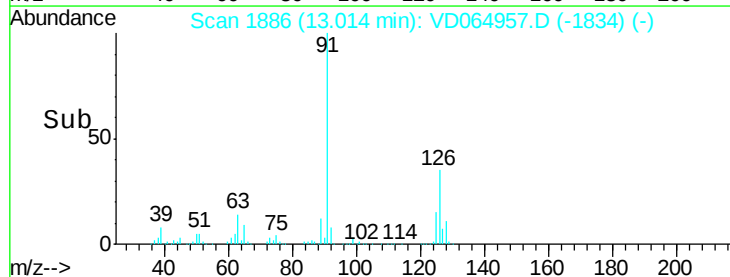
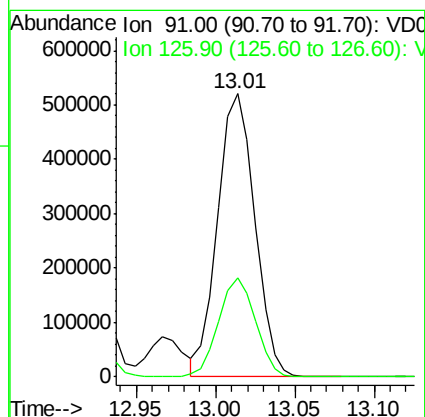
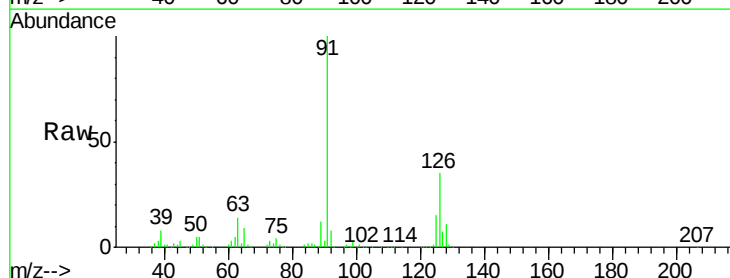
Acq: 27 Jan 2020 10:28

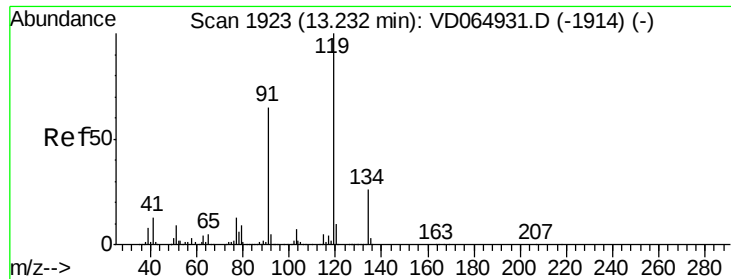
Tgt Ion: 91 Resp: 848759

Ion Ratio Lower Upper

91 100

126 34.9 18.0 54.0





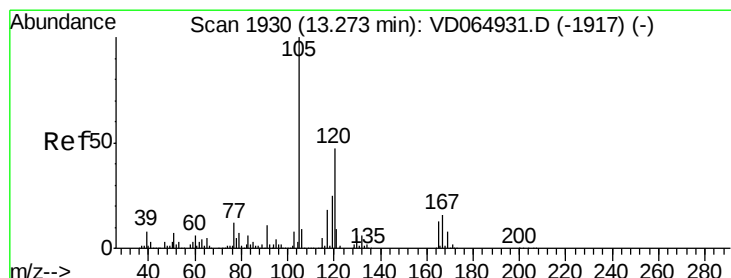
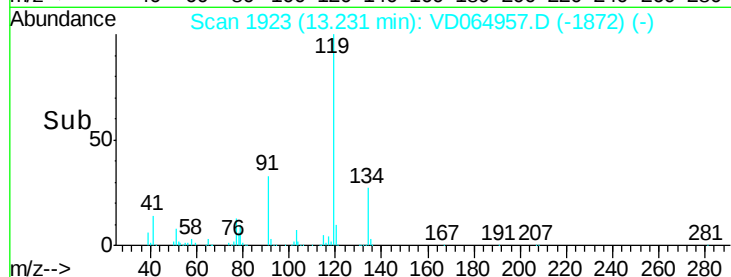
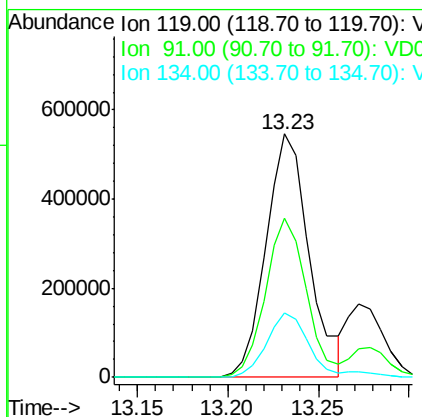
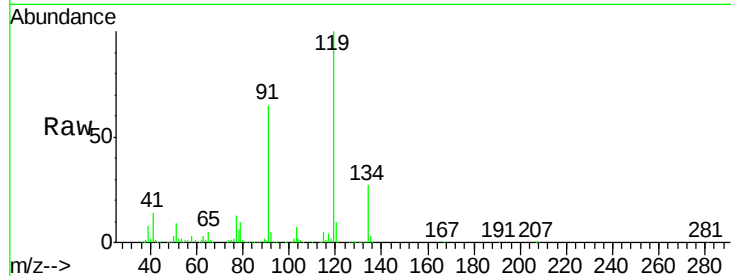
#83
tert-Butylbenzene
Concen: 59.940 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	32.0	96.0
134	27.1	13.9	41.6

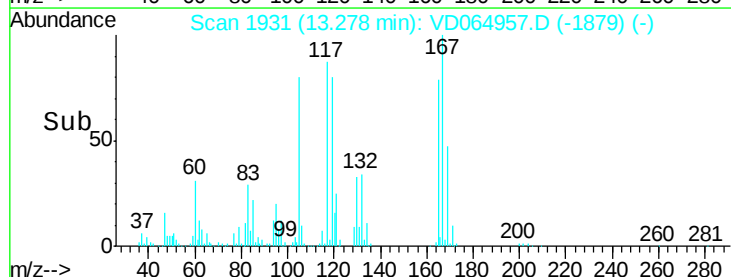
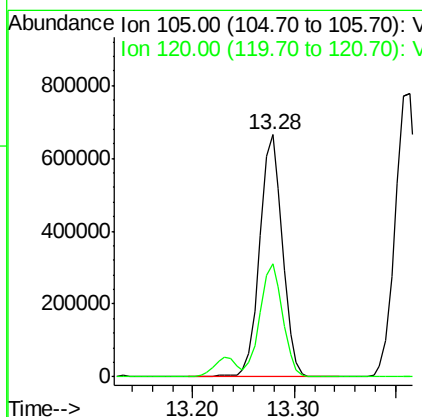
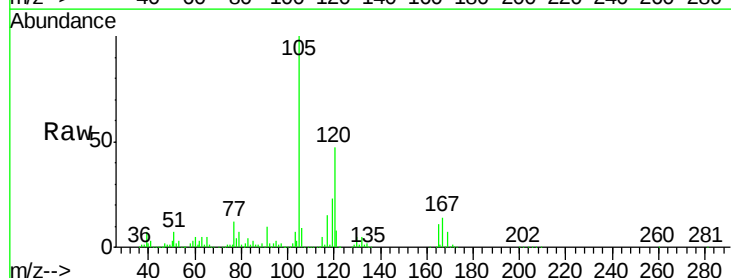
Manual Integrations
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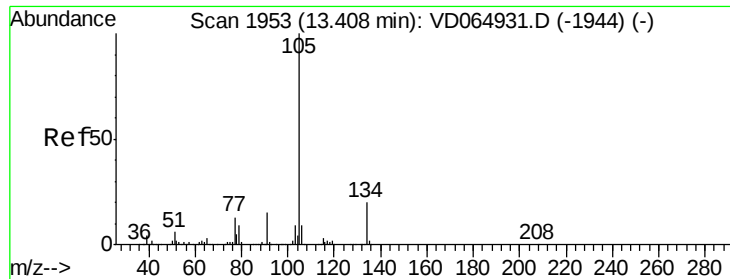
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#84
1,2,4-Trimethylbenzene
Concen: 57.263 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.3





#85

sec-Butylbenzene

Concen: 57.919 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1239404

Ion Ratio Lower Upper

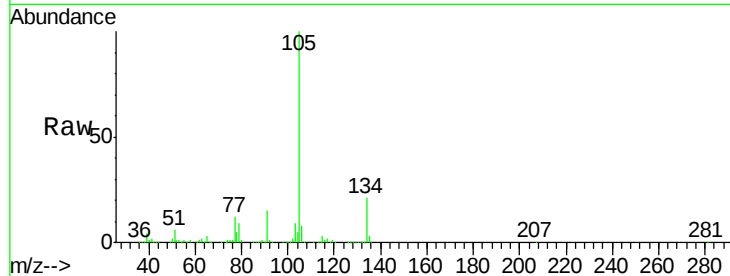
105 100

134 21.1 10.4 31.4

Manual Integrations
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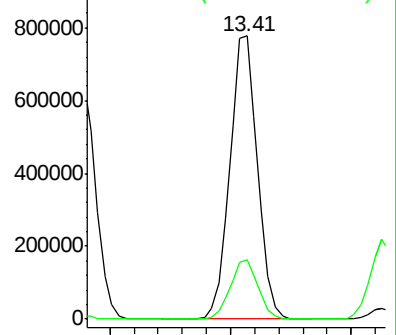
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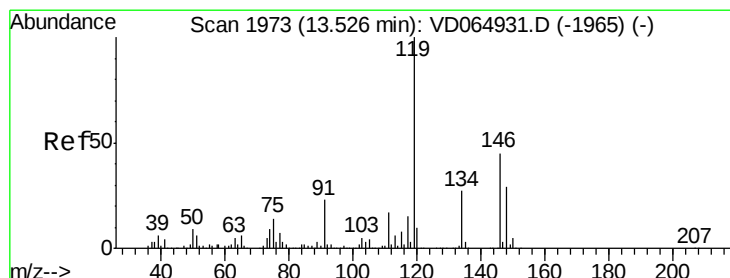
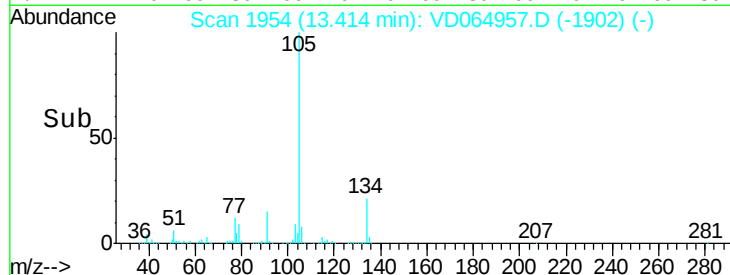


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 59.087 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

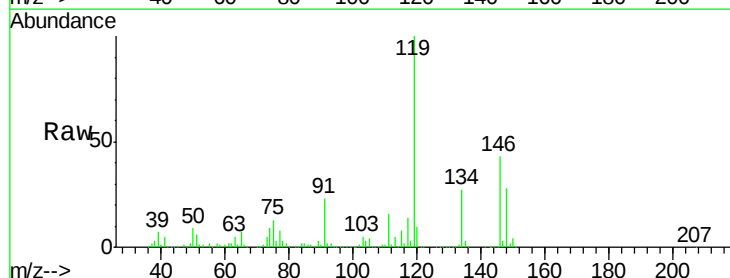
Tgt Ion:119 Resp: 1183157

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

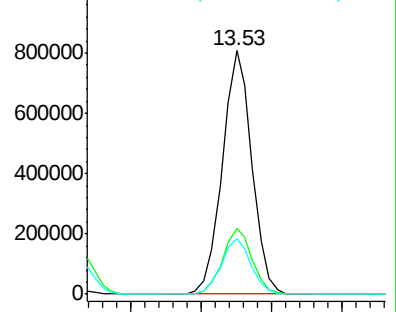
91 22.6 11.4 34.2



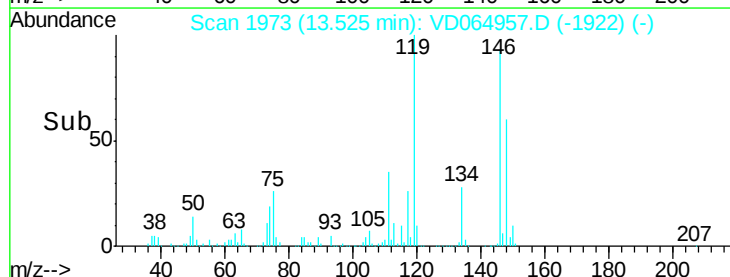
Abundance Ion 119.00 (118.70 to 119.70): V

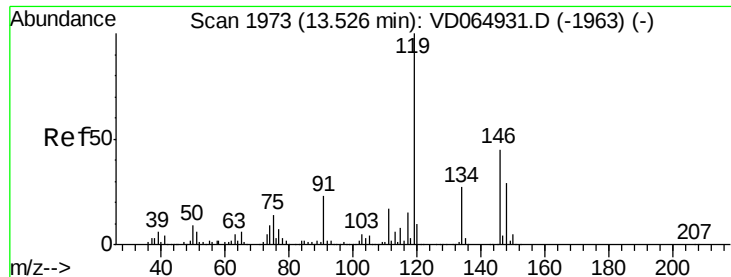
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





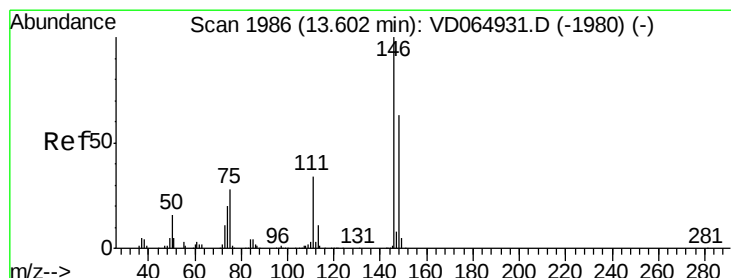
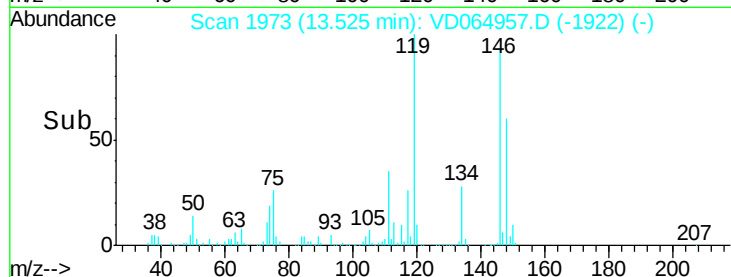
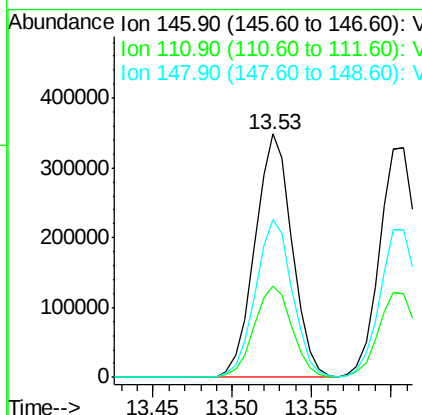
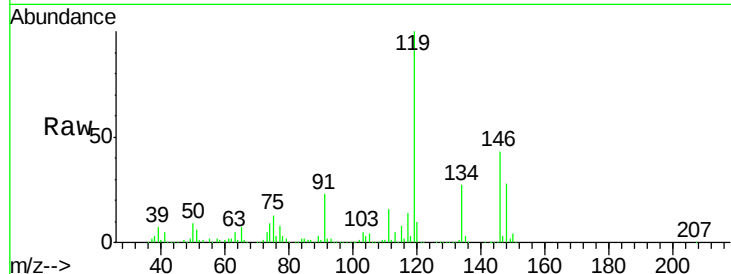
#87
1,3-Dichlorobenzene
Concen: 55.719 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	64.5	32.6	97.7

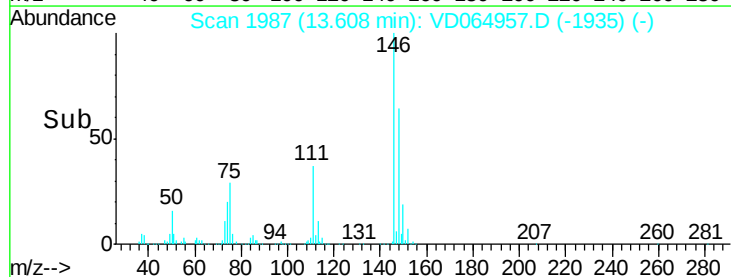
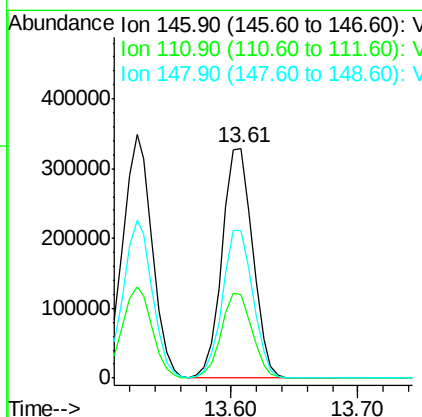
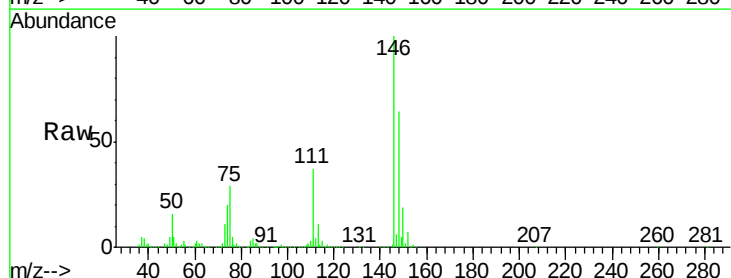
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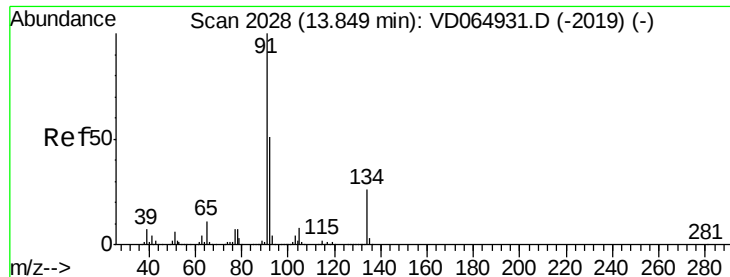
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#88
1,4-Dichlorobenzene
Concen: 54.441 ug/l
RT: 13.61 min Scan# 1987
Delta R.T. 0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.2	54.6
148	64.1	32.0	96.0





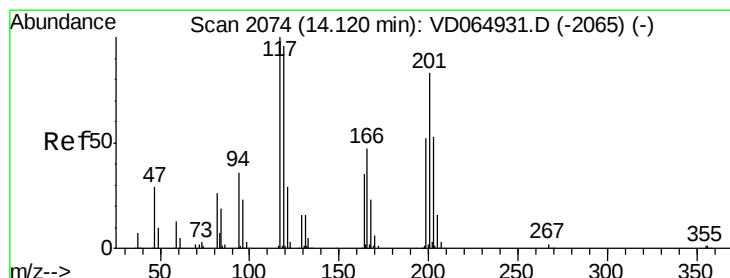
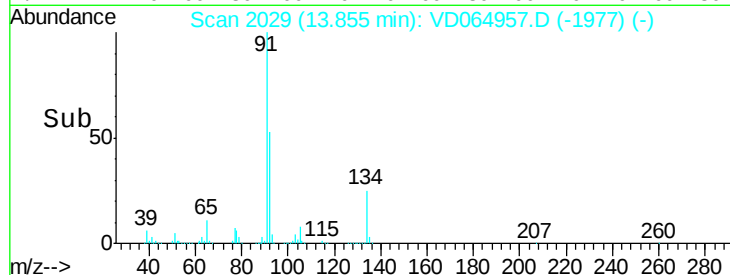
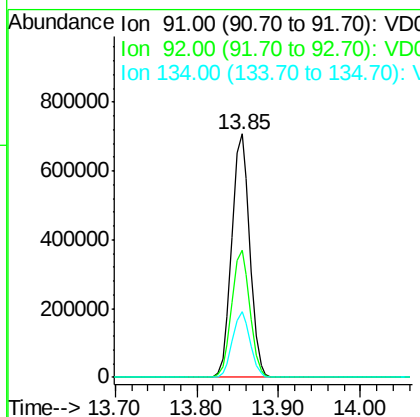
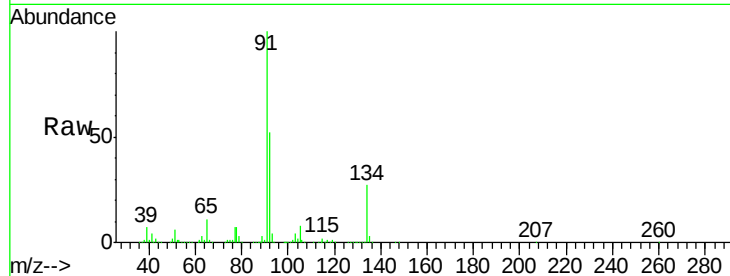
#89
n-Butylbenzene
Concen: 59.194 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1081708
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 26.5 13.3 39.9

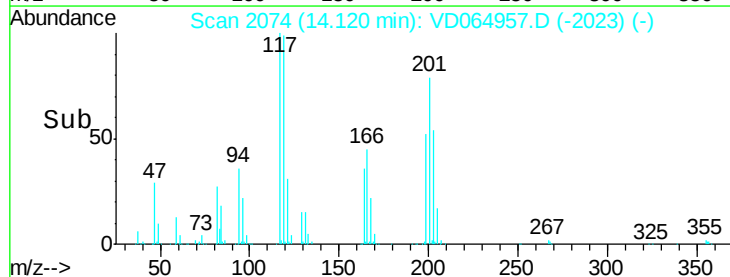
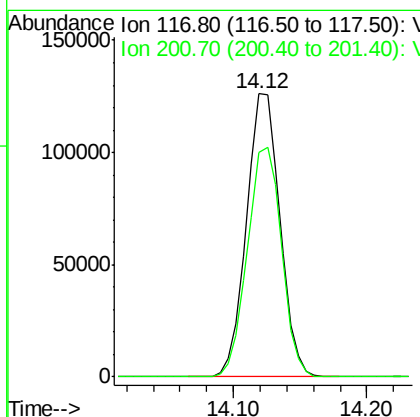
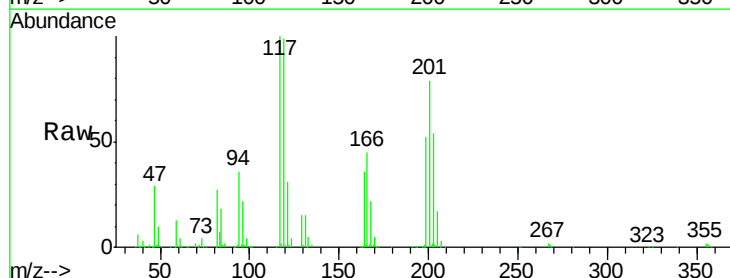
Manual Integrations
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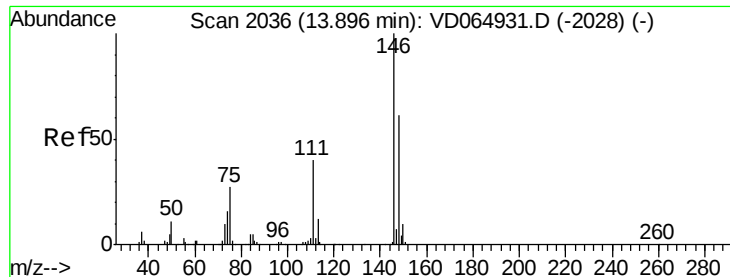
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#90
Hexachloroethane
Concen: 56.525 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion: 117 Resp: 218273
Ion Ratio Lower Upper
117 100
201 82.7 41.1 123.3





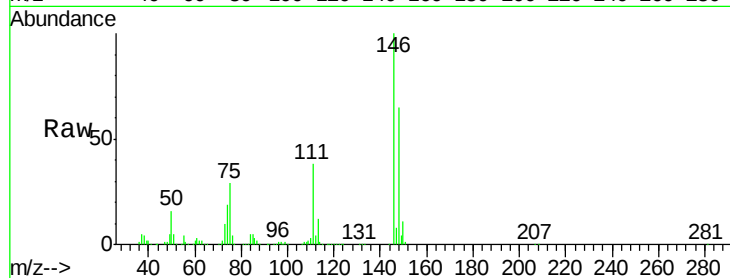
#91
 1,2-Dichlorobenzene
 Concen: 54.829 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

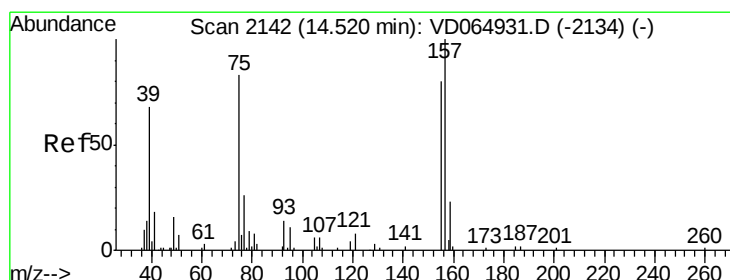
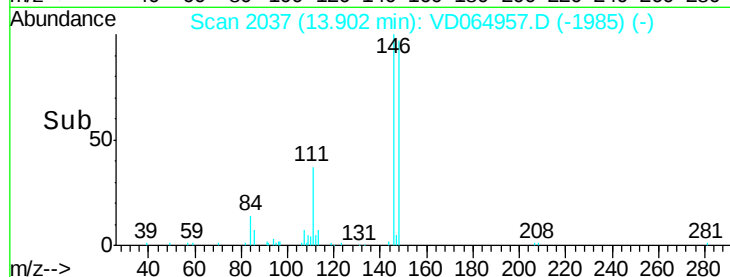
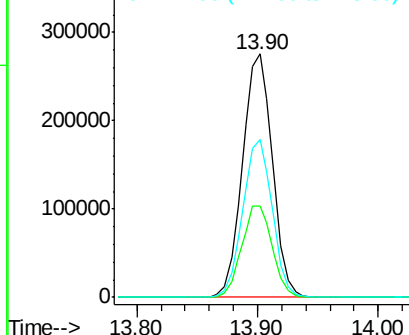
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	64.0	31.6	95.0

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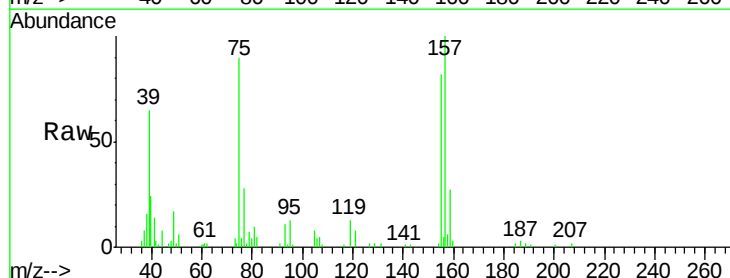


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

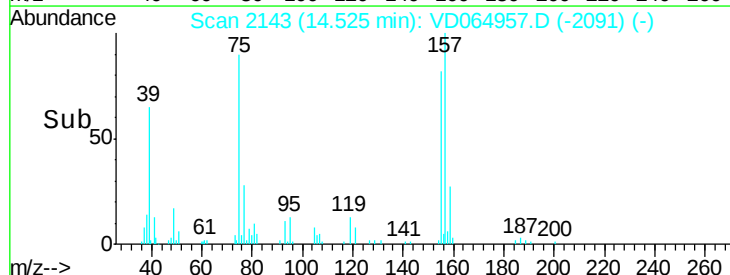
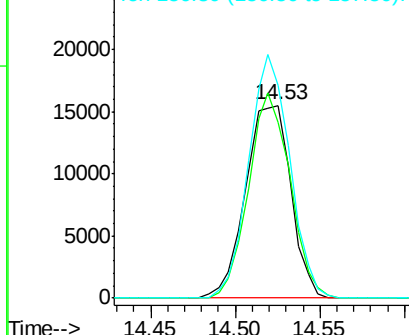


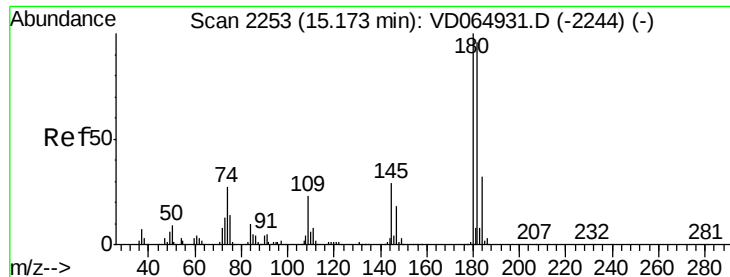
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.402 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	44.9	134.7
157	114.1	58.9	176.6



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





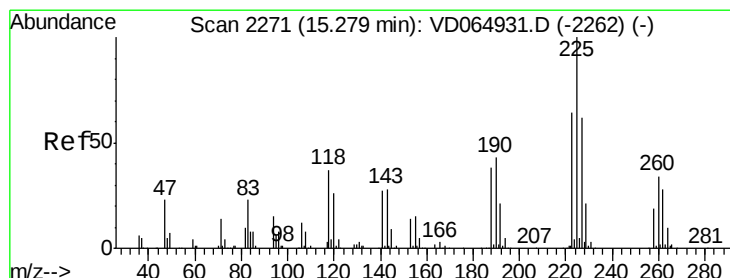
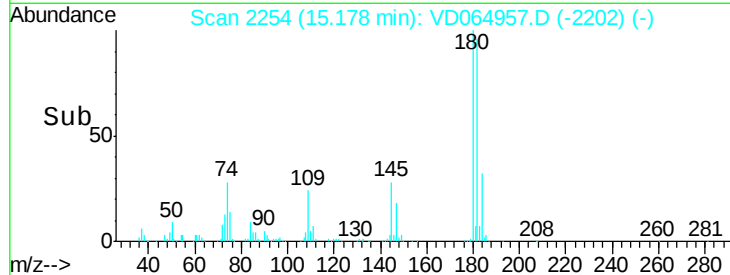
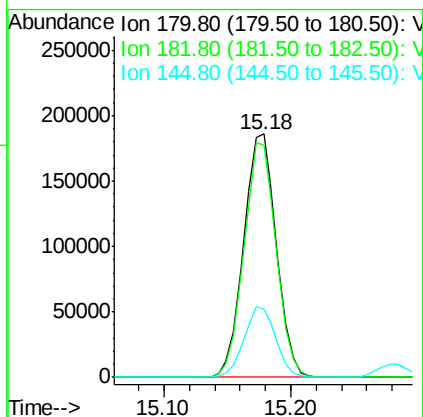
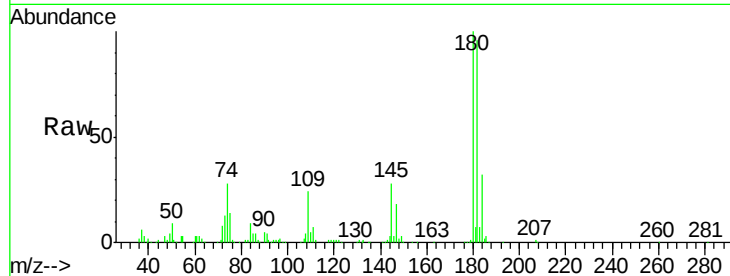
#93
 1,2,4-Trichlorobenzene
 Concen: 55.303 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	331371		
182	95.3	47.1	141.4	
145	28.2	14.1	42.3	

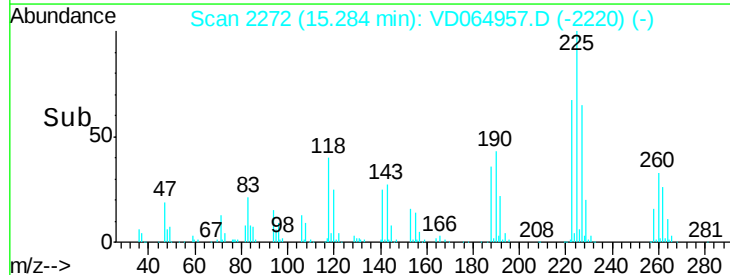
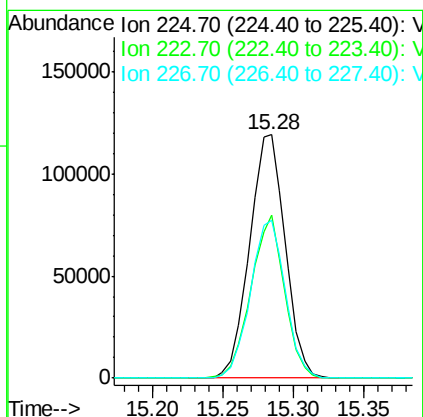
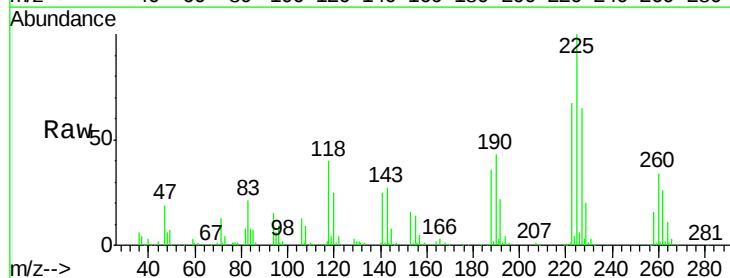
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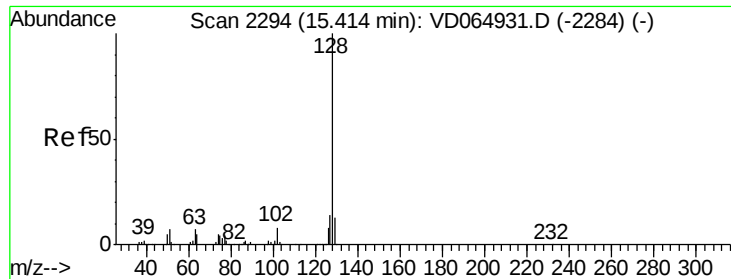
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#94
 Hexachlorobutadiene
 Concen: 55.576 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	210637		
223	63.0	32.4	97.2	
227	63.9	31.9	95.9	





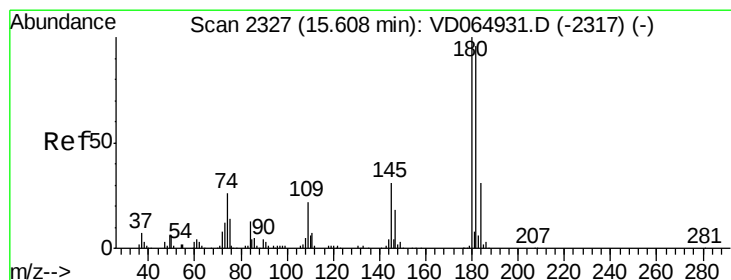
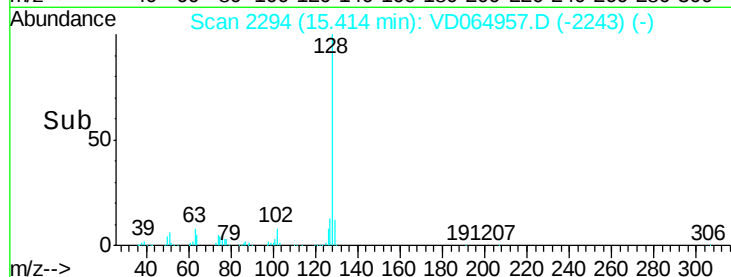
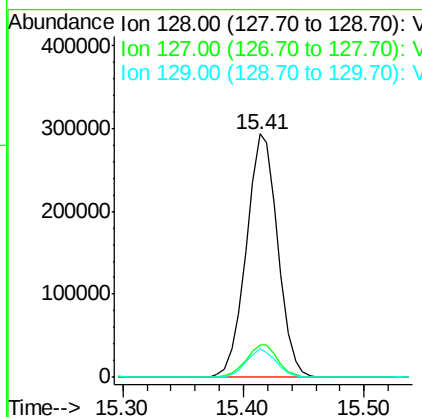
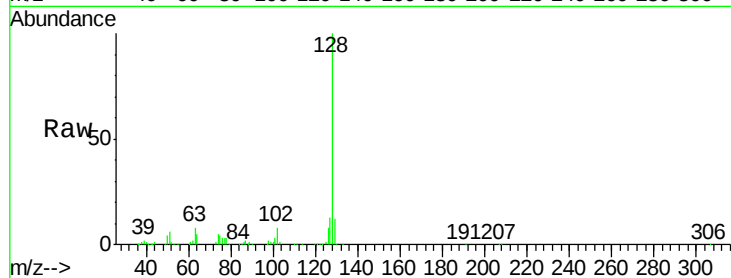
#95
Naphthalene
Concen: 54.897 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	530867		
127	13.5		10.6	15.8
129	11.0		9.3	13.9

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#96
1,2,3-Trichlorobenzene
Concen: 53.724 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	279117		
182	96.4		47.3	141.8
145	30.7		14.6	43.8

