

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064172.D
 Acq On : 08 Nov 2019 23:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:06:29 AM

Quant Time: Nov 11 08:34:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 11 08:23:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	711907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1084275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	957556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	474318	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	338535	57.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.64%	
35) Dibromofluoromethane	7.92	113	321702	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.38%	
50) Toluene-d8	10.34	98	1194409	50.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.64	95	410030	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	261614	44.309	ug/l	97
3) Chloromethane	2.21	50	335193	52.927	ug/l	100
4) Vinyl Chloride	2.36	62	348738	51.493	ug/l	96
5) Bromomethane	2.77	94	254103	59.418	ug/l	95
6) Chloroethane	2.93	64	240518	55.579	ug/l	99
7) Trichlorofluoromethane	3.28	101	560219	51.021	ug/l	100
8) Diethyl Ether	3.71	74	164553	54.503	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	287028	45.735	ug/l	98
10) Methyl Iodide	4.30	142	355660	49.660	ug/l	99
11) Tert butyl alcohol	5.24	59	114931	281.041	ug/l	97
12) 1,1-Dichloroethene	4.07	96	288414	48.214	ug/l	96
13) Acrolein	3.93	56	105680	305.469	ug/l	98
14) Allyl chloride	4.71	41	557210	52.683	ug/l	99
15) Acrylonitrile	5.43	53	359962	279.671	ug/l	100
16) Acetone	4.17	43	370161	266.868	ug/l	99
17) Carbon Disulfide	4.41	76	930158	49.930	ug/l	100
18) Methyl Acetate	4.73	43	211962	54.713	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	798609	55.922	ug/l	96
20) Methylene Chloride	4.97	84	353643	50.474	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	344563	50.840	ug/l	98
22) Diisopropyl ether	6.37	45	1081350	55.103	ug/l	97
23) Vinyl Acetate	6.31	43	3106074	283.944	ug/l	100
24) 1,1-Dichloroethane	6.27	63	607523	53.318	ug/l	99
25) 2-Butanone	7.22	43	490793	273.880	ug/l	100
26) 2,2-Dichloropropane	7.21	77	517577	46.318	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	391307	53.840	ug/l	97
28) Bromochloromethane	7.55	49	251197	63.322	ug/l	95
29) Tetrahydrofuran	7.57	42	304579	282.889	ug/l	99
30) Chloroform	7.71	83	632217	54.243	ug/l	97
31) Cyclohexane	7.99	56	512812	44.625	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	558655	50.057	ug/l	100
36) 1,1-Dichloropropene	8.11	75	461059	46.074	ug/l	99
37) Ethyl Acetate	7.30	43	219578	52.049	ug/l	98
38) Carbon Tetrachloride	8.10	117	490235	45.784	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	546854	43.187	ug/l	98
40) Benzene	8.36	78	1358113	49.658	ug/l	98
41) Methacrylonitrile	7.53	41	128474	48.453	ug/l	94
42) 1,2-Dichloroethane	8.43	62	423311	51.535	ug/l	100
43) Isopropyl Acetate	8.46	43	454354	52.271	ug/l	99
44) Trichloroethene	9.11	130	393938	47.992	ug/l	97
45) 1,2-Dichloropropane	9.39	63	336688	50.579	ug/l	99
46) Dibromomethane	9.48	93	184810	51.859	ug/l	99
47) Bromodichloromethane	9.67	83	492304	51.286	ug/l	100
48) Methyl methacrylate	9.46	41	211018	49.648	ug/l	96
49) 1,4-Dioxane	9.47	88	42058	982.663	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1096691	263.103	ug/l	99
52) Toluene	10.41	92	875792	48.699	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	484048	50.333	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	568649	50.672	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	250991	51.917	ug/l	97
56) Ethyl methacrylate	10.67	69	345978	51.159	ug/l #	95
57) 1,3-Dichloropropane	10.95	76	441459	52.360	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	704336	257.112	ug/l	100
59) 2-Hexanone	10.99	43	758368	255.730	ug/l	100
60) Dibromochloromethane	11.14	129	343983	50.992	ug/l	99
61) 1,2-Dibromoethane	11.25	107	249858	51.600	ug/l	98
64) Tetrachloroethene	10.88	164	351055	47.669	ug/l	99
65) Chlorobenzene	11.67	112	940323	48.291	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	361780	48.862	ug/l	98
67) Ethyl Benzene	11.75	91	1658843	47.097	ug/l	100
68) m/p-Xylenes	11.86	106	1286897	95.323	ug/l	100
69) o-Xylene	12.18	106	605178	48.334	ug/l	100
70) Styrene	12.20	104	1068185	48.874	ug/l	100
71) Bromoform	12.37	173	210792	50.026	ug/l #	97
73) Isopropylbenzene	12.48	105	1568626	45.056	ug/l	99
74) N-amyl acetate	12.29	43	403121	49.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	259366	49.441	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	153970m	40.301	ug/l	
77) Bromobenzene	12.76	156	408674	48.318	ug/l	98
78) n-propylbenzene	12.83	91	1809408	45.490	ug/l	100
79) 2-Chlorotoluene	12.91	91	1050706	46.788	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1320461	46.158	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	89043	46.296	ug/l	95
82) 4-Chlorotoluene	13.01	91	1118252	47.741	ug/l	98
83) tert-Butylbenzene	13.23	119	1145861	45.425	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1337047	47.341	ug/l	99
85) sec-Butylbenzene	13.41	105	1510416	44.581	ug/l	100
86) p-Isopropyltoluene	13.52	119	1441052	44.740	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	744446	47.415	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	743547	48.523	ug/l	100
89) n-Butylbenzene	13.85	91	1304429	44.826	ug/l	100
90) Hexachloroethane	14.11	117	274679	46.144	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	649046	48.841	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	45269	48.264	ug/l	98

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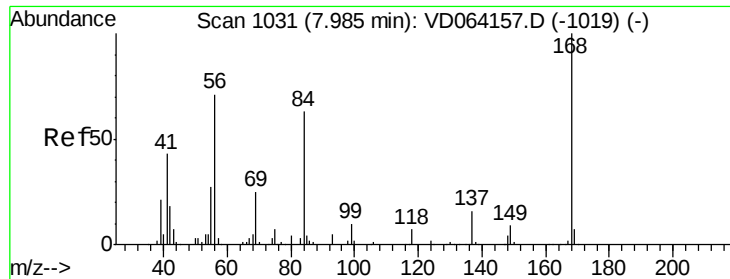
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	488027	47.606	ug/l	99
94) Hexachlorobutadiene	15.27	225	289179	43.674	ug/l	99
95) Naphthalene	15.41	128	816268	48.575	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	419447	48.135	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 711907

Ion Ratio Lower Upper

168 100

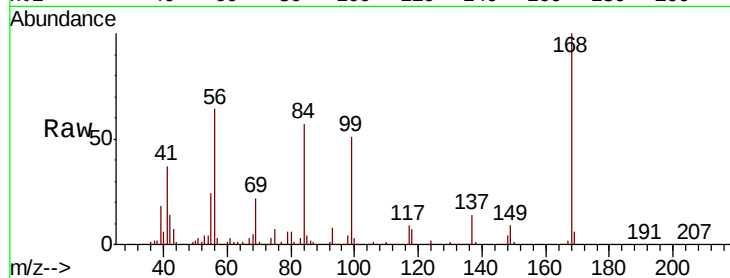
99 51.1 41.6 62.4

Manual Integrations

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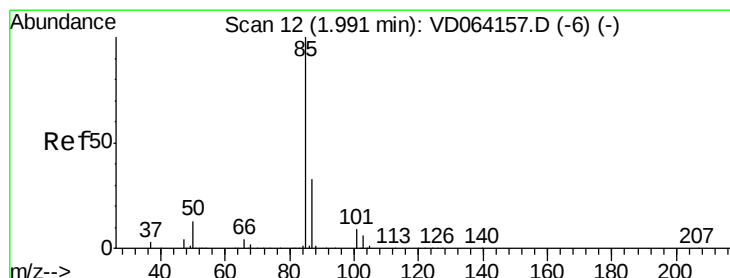
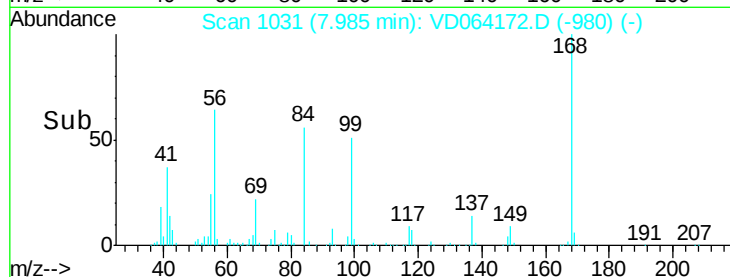
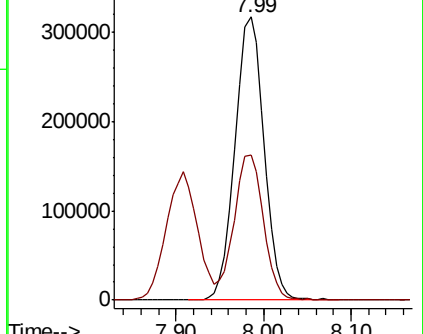
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.309 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064172.D

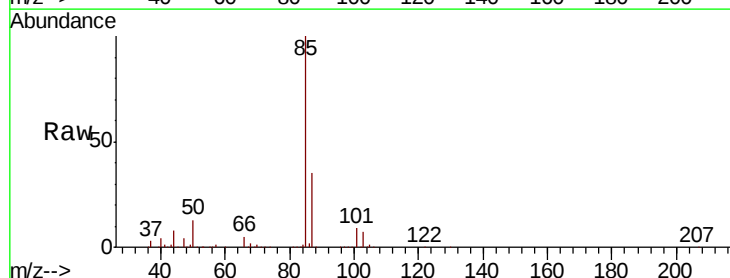
Acq: 08 Nov 2019 23:30

Tgt Ion: 85 Resp: 261614

Ion Ratio Lower Upper

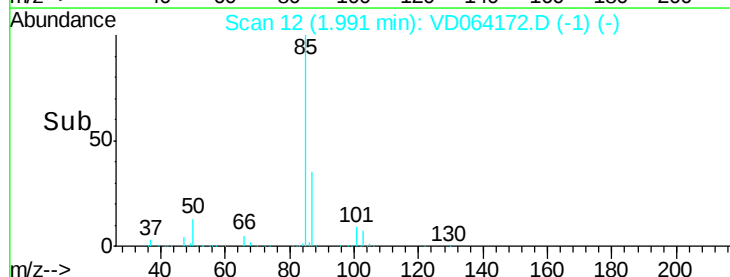
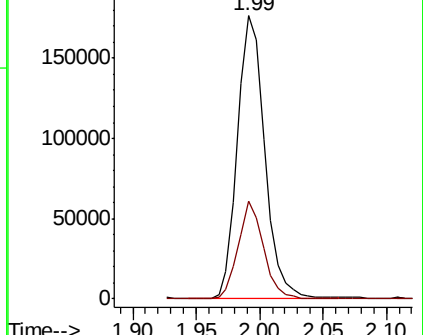
85 100

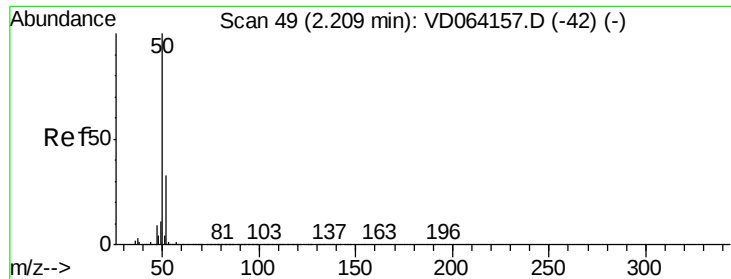
87 34.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.927 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 335193

Ion Ratio Lower Upper

50 100

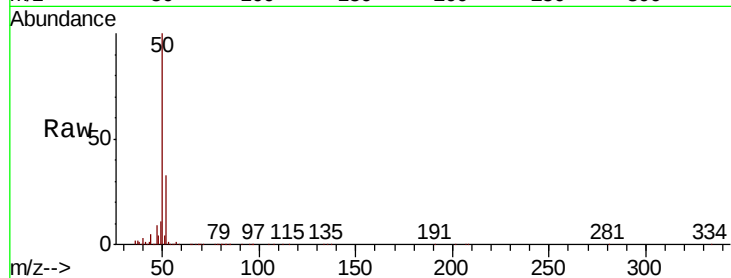
52 32.7 26.2 39.4

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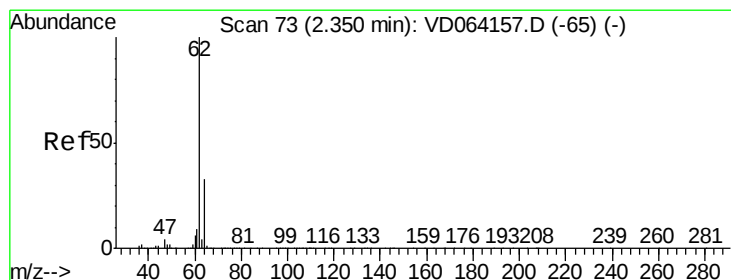
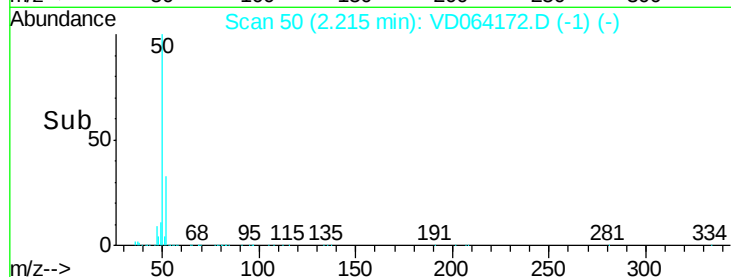
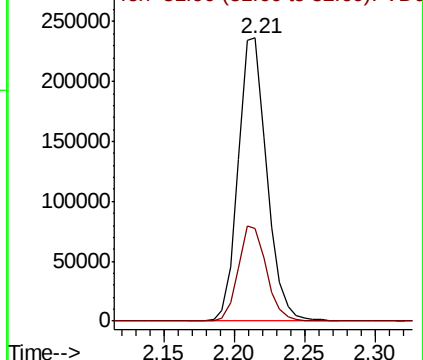
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.493 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064172.D

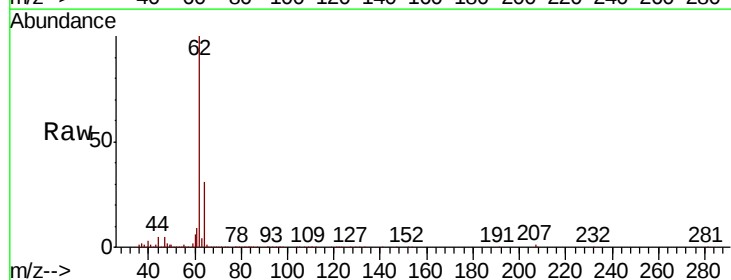
Acq: 08 Nov 2019 23:30

Tgt Ion: 62 Resp: 348738

Ion Ratio Lower Upper

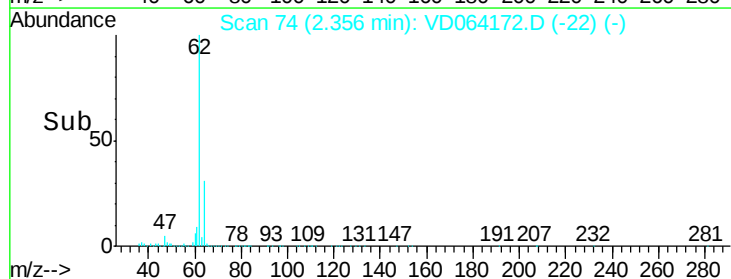
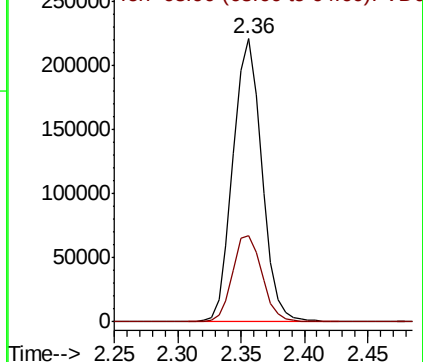
62 100

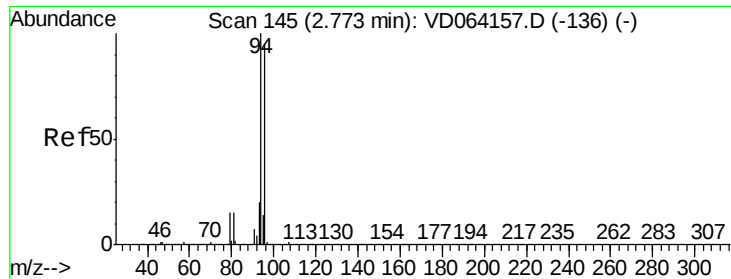
64 30.6 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 59.418 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 254103

Ion Ratio Lower Upper

94 100

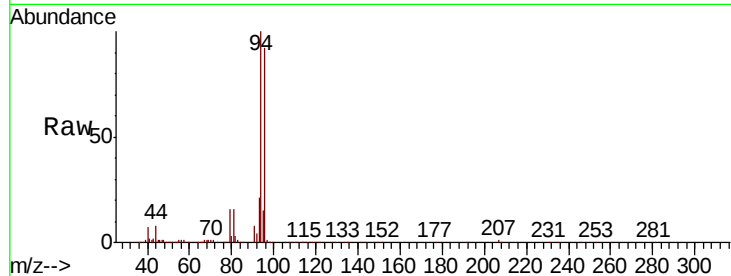
96 90.9 76.2 114.4

Manual Integrations

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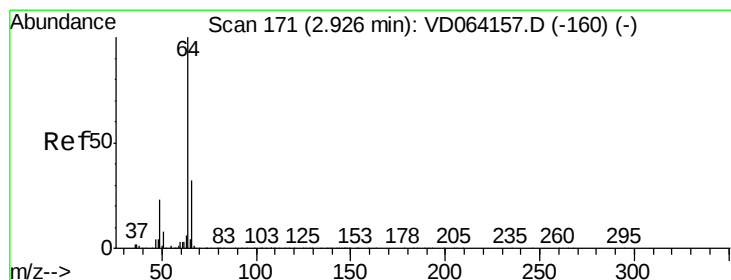
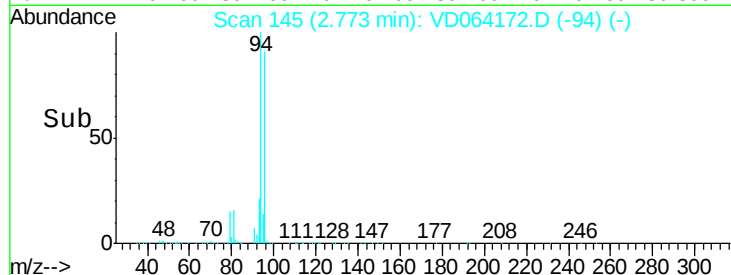
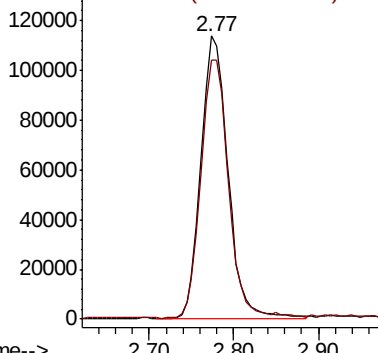
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 55.579 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD064172.D

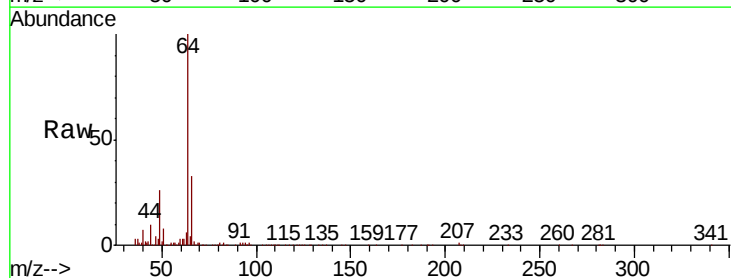
Acq: 08 Nov 2019 23:30

Tgt Ion: 64 Resp: 240518

Ion Ratio Lower Upper

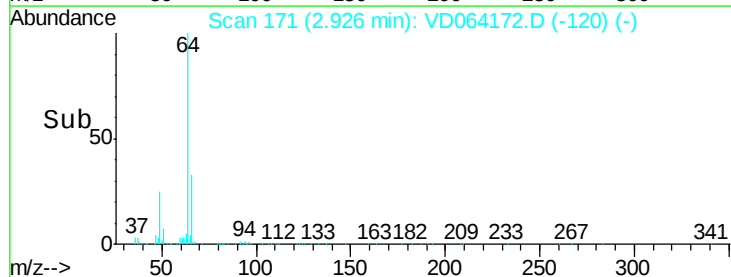
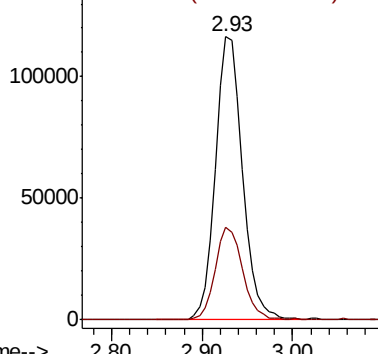
64 100

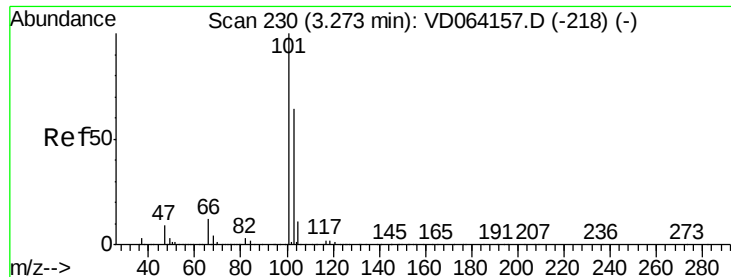
66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

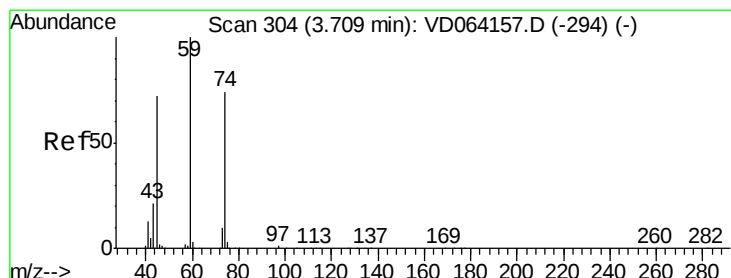
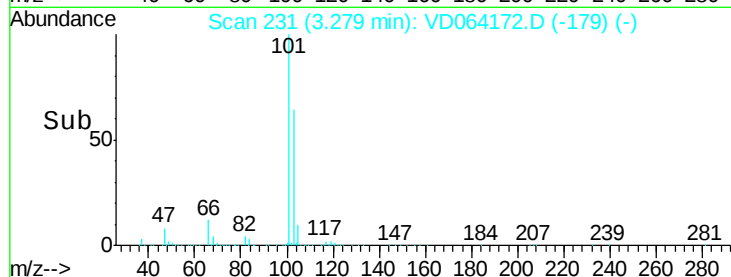
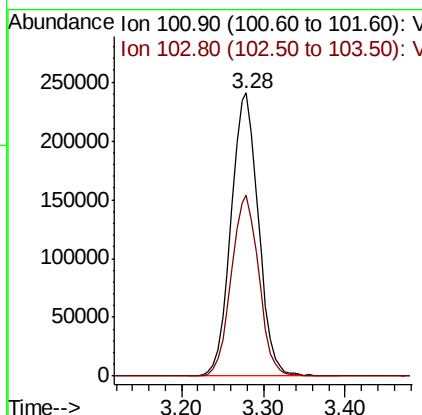
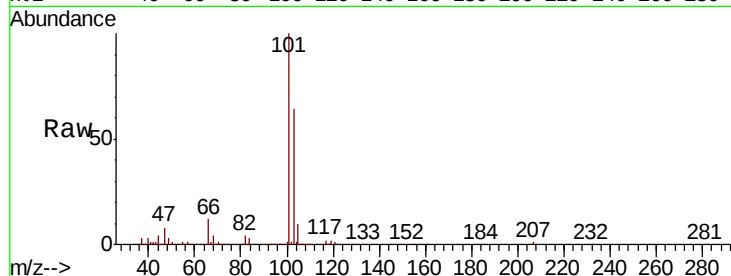
Trichlorofluoromethane
Concen: 51.021 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.8	76.2

Manual Integrations
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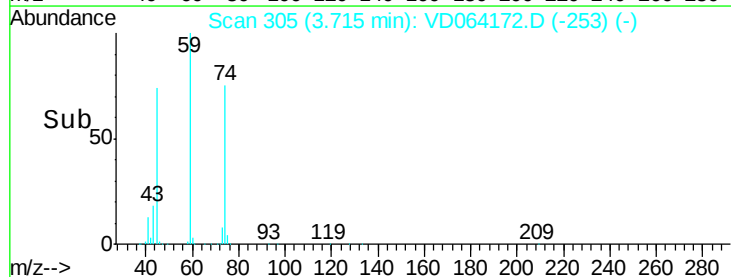
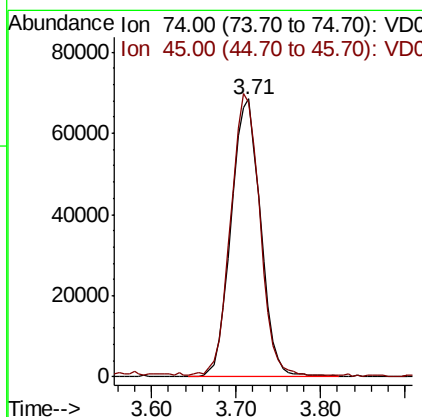
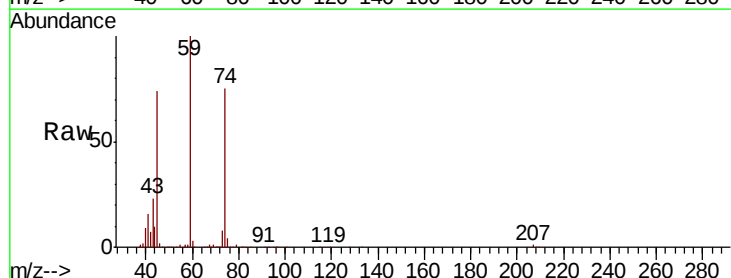
MMDadoda
11/13/2019 11:06:29 AM



#8

Diethyl Ether
Concen: 54.503 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.735 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

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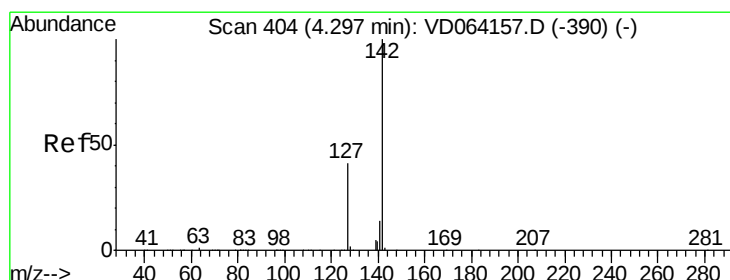
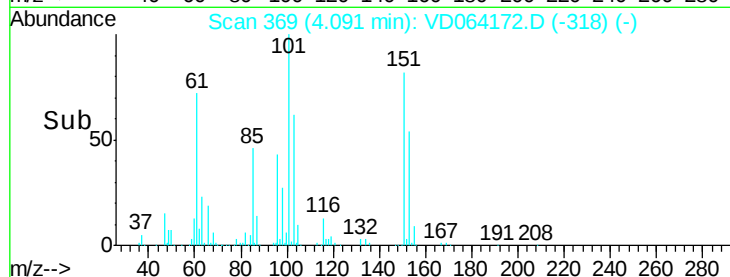
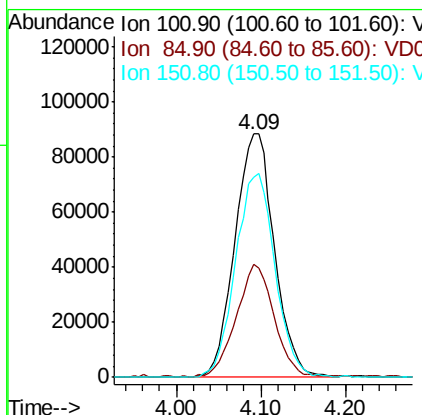
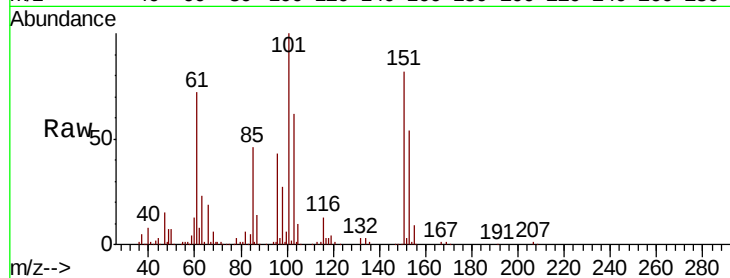
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	287028
Ion Ratio	Lower	Upper	
101	100		
85	44.9	34.4	51.6
151	83.8	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 49.660 ug/l

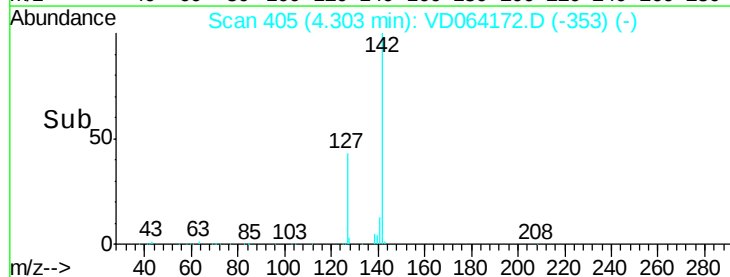
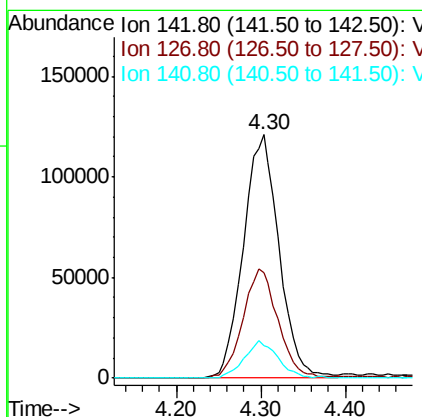
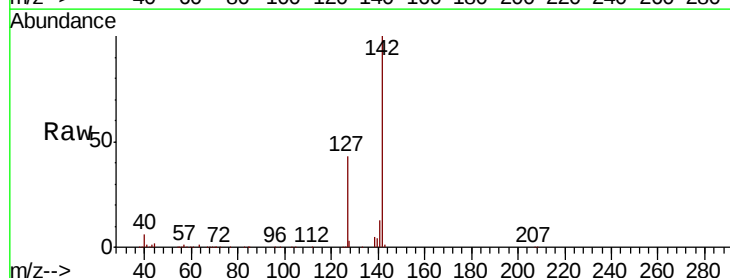
RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Tgt Ion:	142	Resp:	355660
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.4	51.6
141	14.4	11.2	16.8





#11

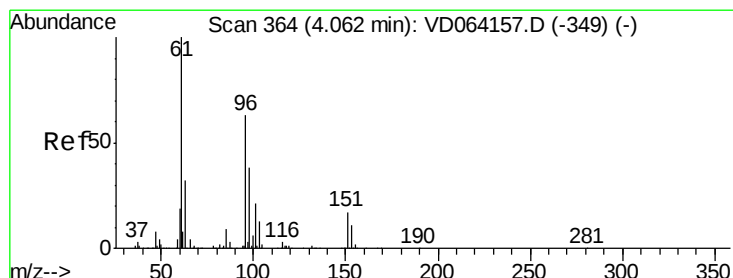
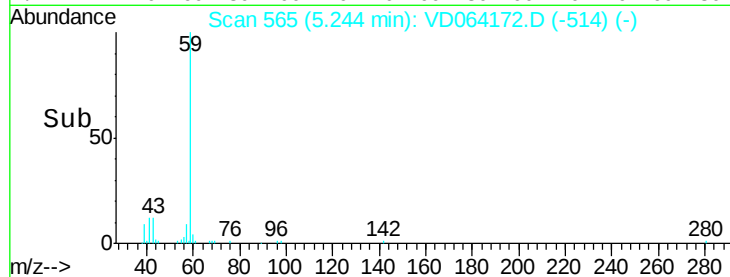
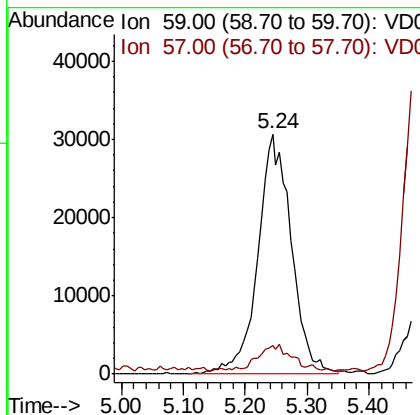
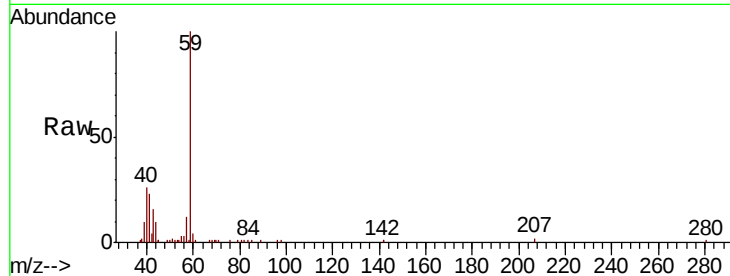
Tert butyl alcohol
 Concen: 281.041 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.6	9.4	14.2

Manual Integrations
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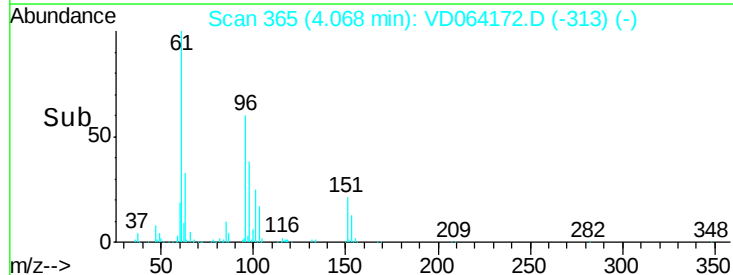
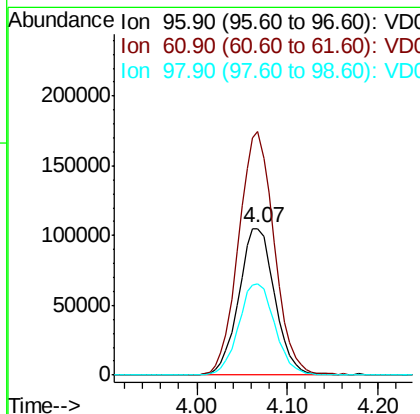
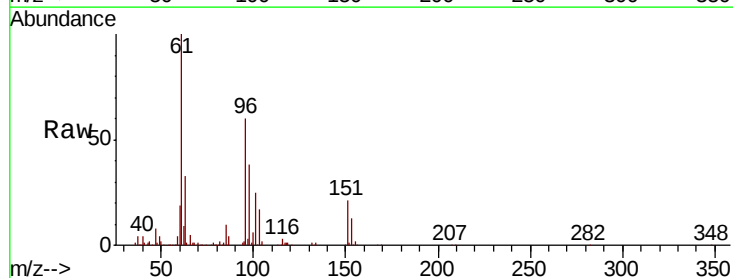
MMDadoda
 11/13/2019 11:06:29 AM

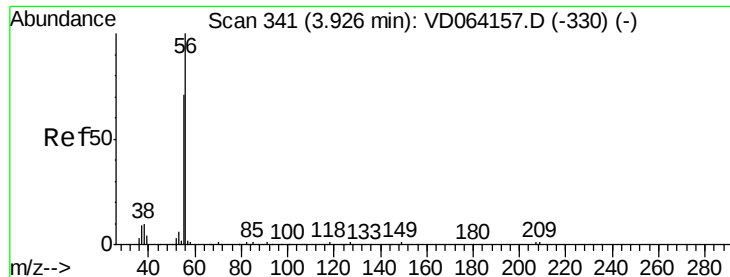


#12

1,1-Dichloroethene
 Concen: 48.214 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	165.8	127.4	191.2
98	98	62.6	48.1	72.1





#13

Acrolein

Concen: 305.469 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 105680

Ion Ratio Lower Upper

56 100

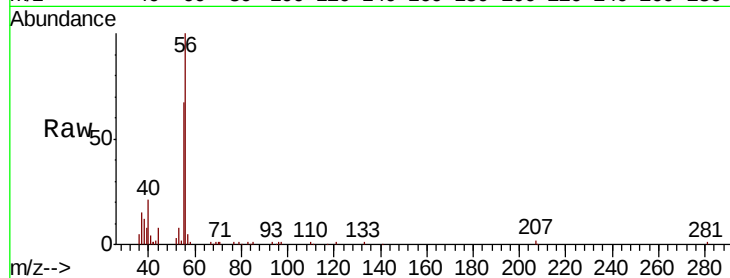
55 71.4 56.1 84.1

Manual Integrations

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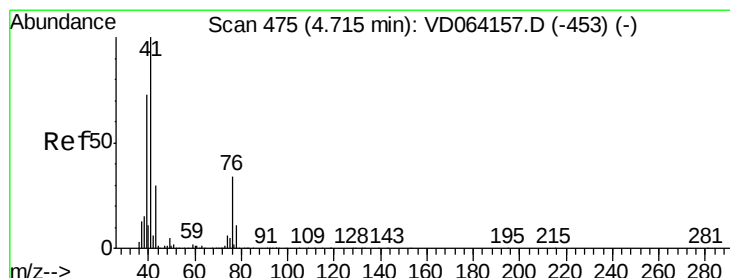
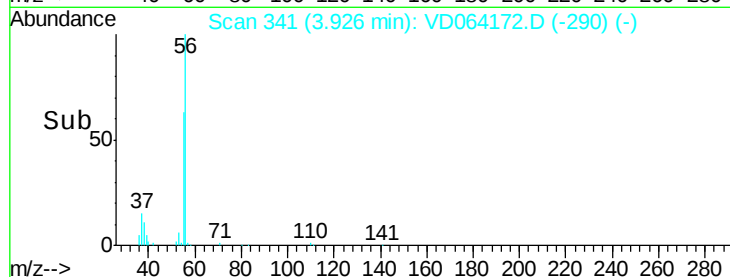
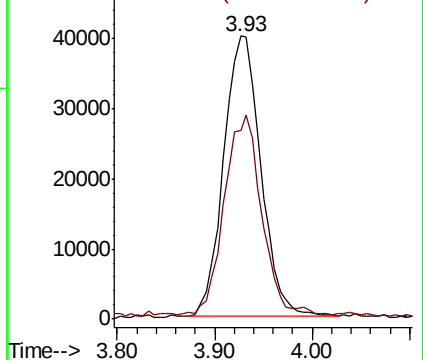
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.683 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

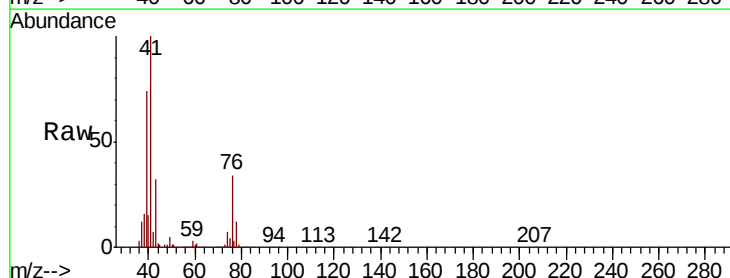
Tgt Ion: 41 Resp: 557210

Ion Ratio Lower Upper

41 100

39 72.5 57.5 86.3

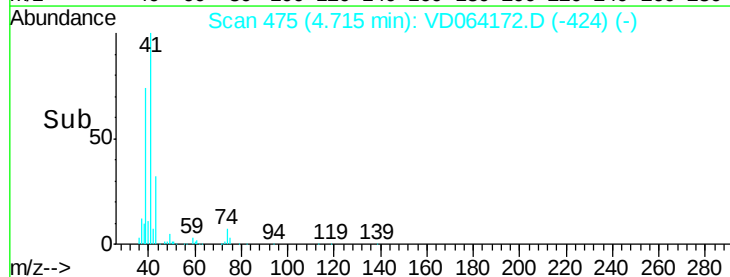
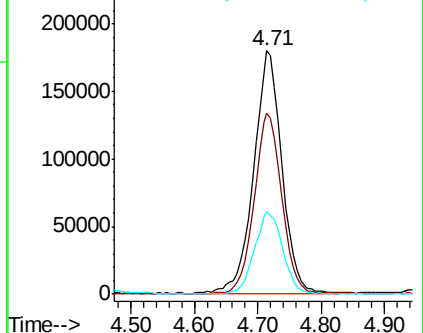
76 33.6 26.8 40.2

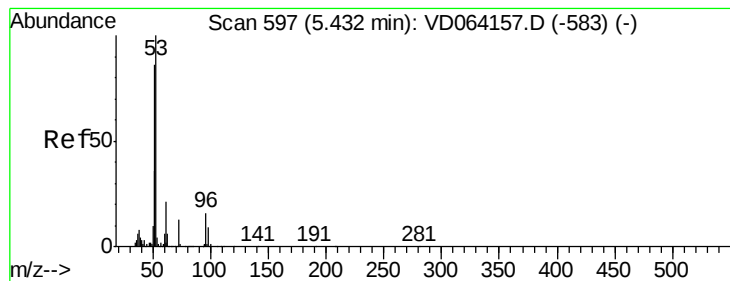


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 279.671 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

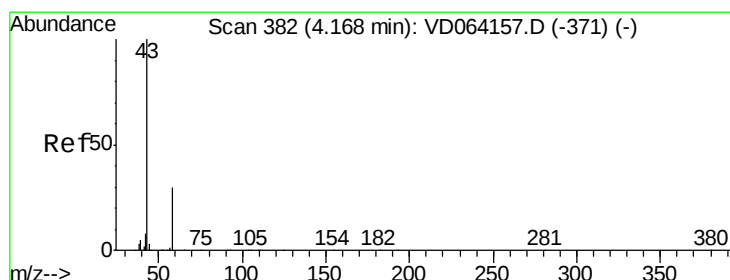
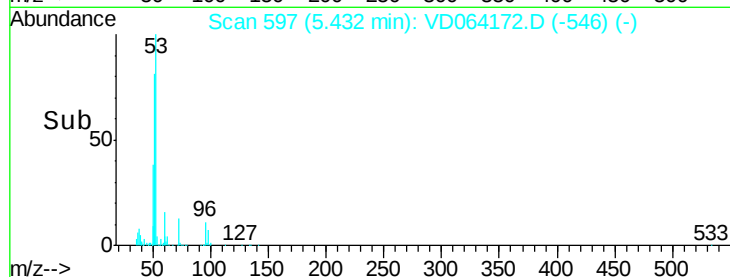
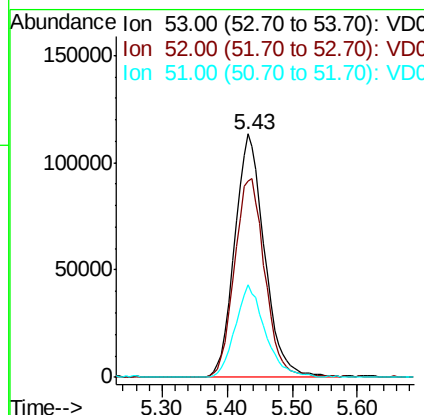
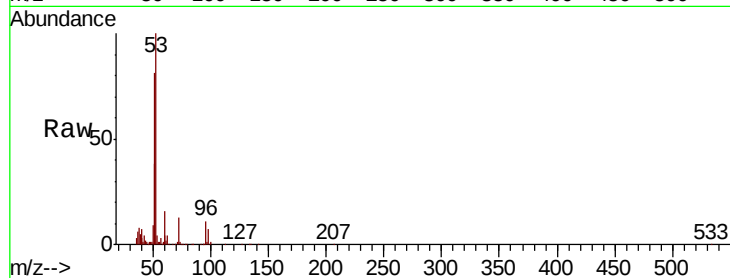
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	359962
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.7	100.1
51	37.9	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 266.868 ug/l

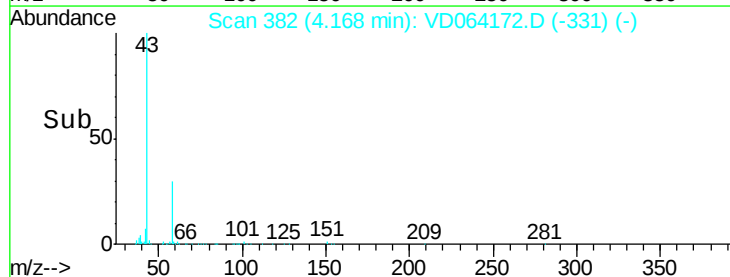
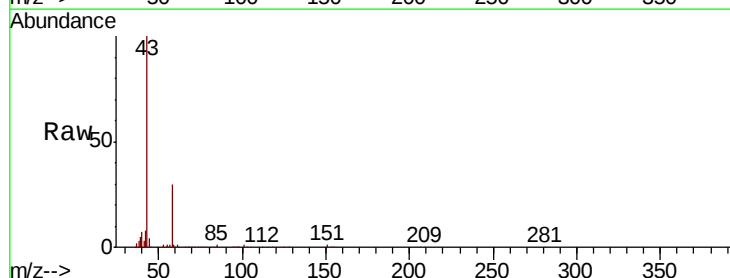
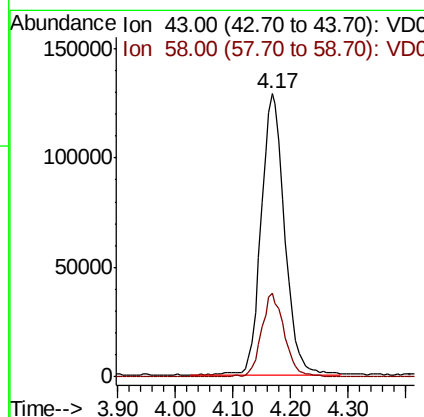
RT: 4.17 min Scan# 382

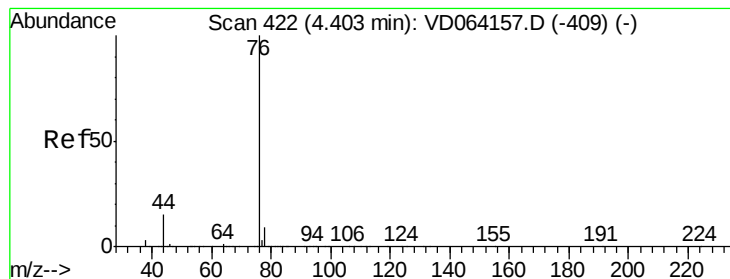
Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Tgt Ion:	43	Resp:	370161
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.1	36.1





#17

Carbon Disulfide

Concen: 49.930 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 930158

Ion Ratio Lower Upper

76 100

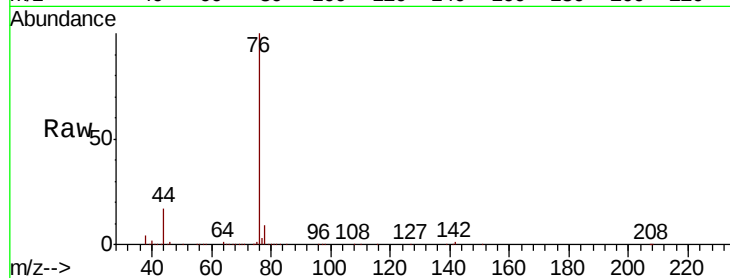
78 9.0 7.2 10.8

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

4.41

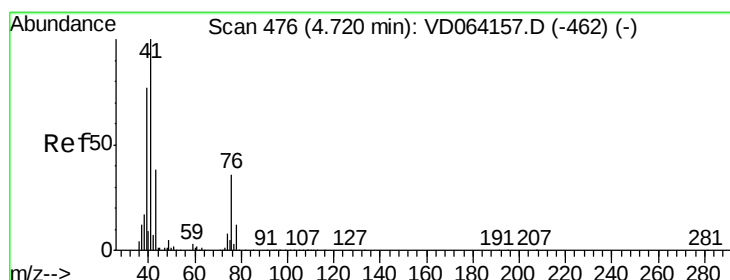
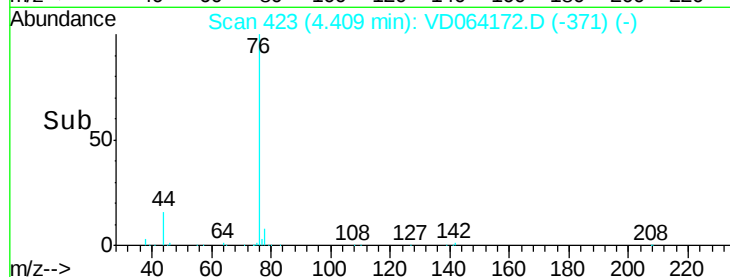
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 54.713 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD064172.D

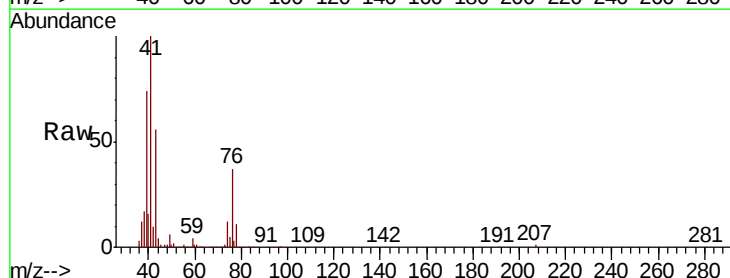
Acq: 08 Nov 2019 23:30

Tgt Ion: 43 Resp: 211962

Ion Ratio Lower Upper

43 100

74 23.0 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

80000

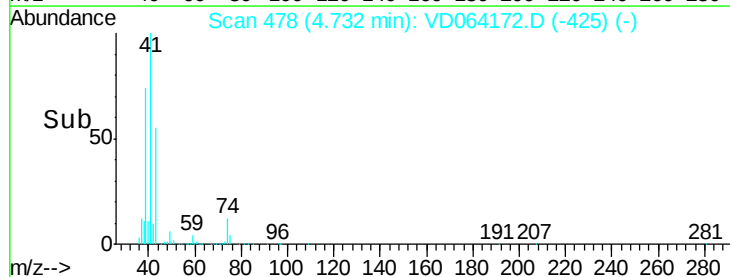
60000

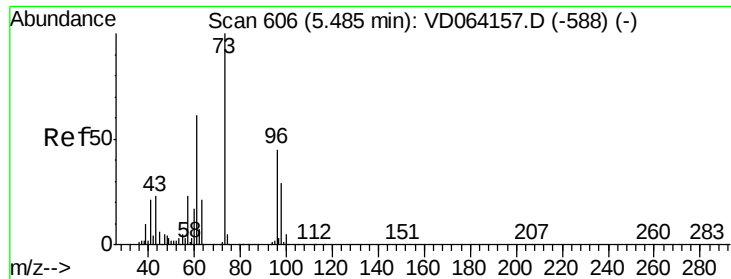
40000

20000

0

Time-->





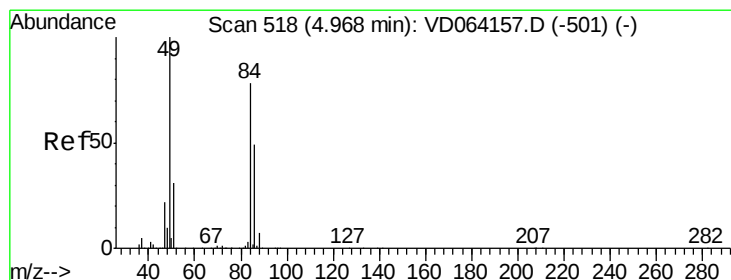
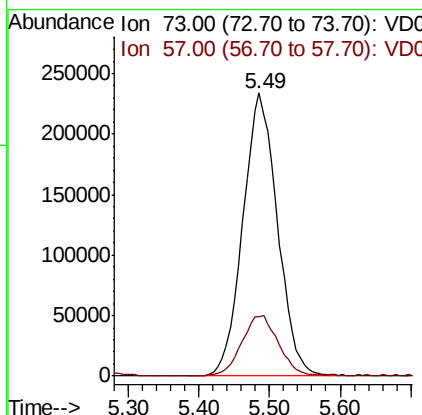
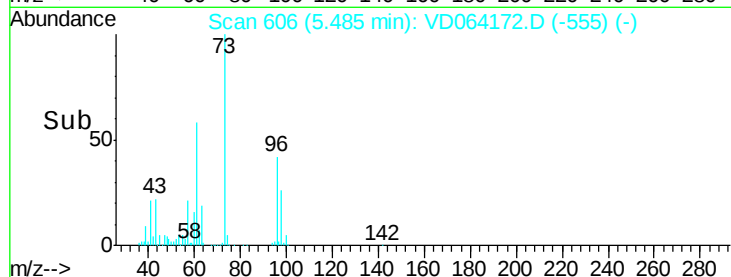
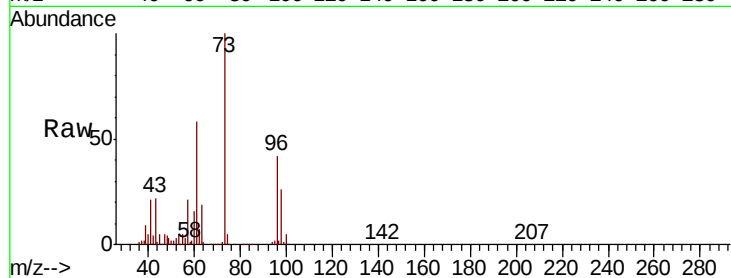
#19
Methvl tert-butvl Ether
Concen: 55.922 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 798609
Ion Ratio Lower Upper
73 100
57 20.8 18.4 27.6

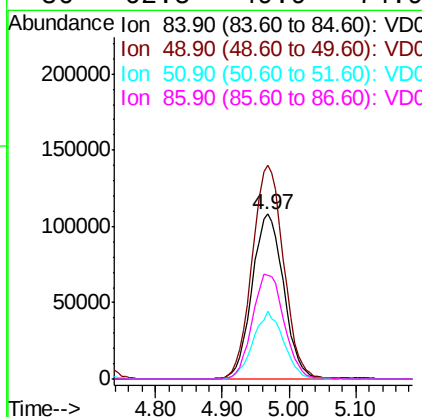
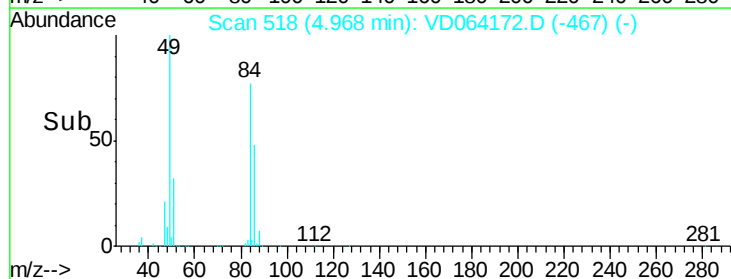
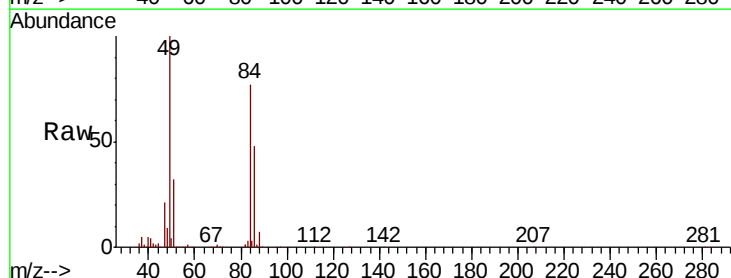
Manual Integrations
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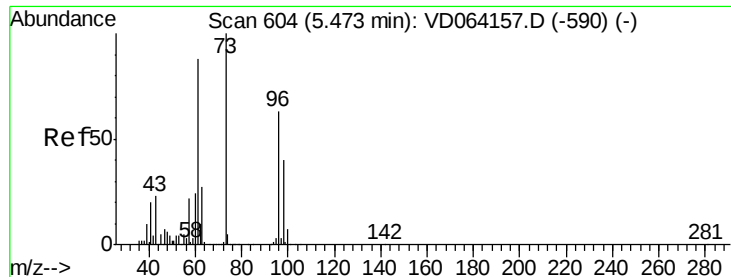
MMDadoda
11/13/2019 11:06:29 AM



#20
Methylene Chloride
Concen: 50.474 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion: 84 Resp: 353643
Ion Ratio Lower Upper
84 100
49 129.5 102.1 153.1
51 41.2 32.2 48.2
86 62.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 50.840 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 344563

Ion Ratio Lower Upper

96 100

61 137.1 111.8 167.6

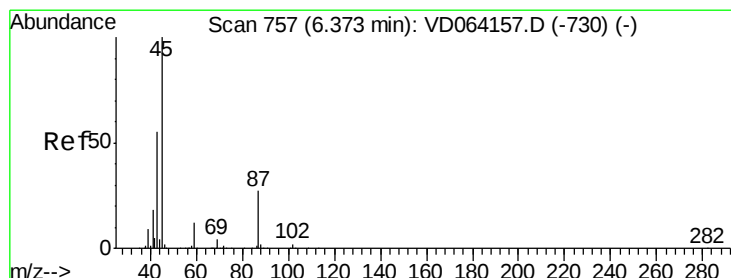
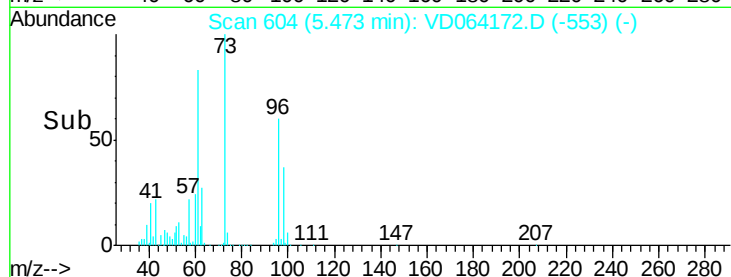
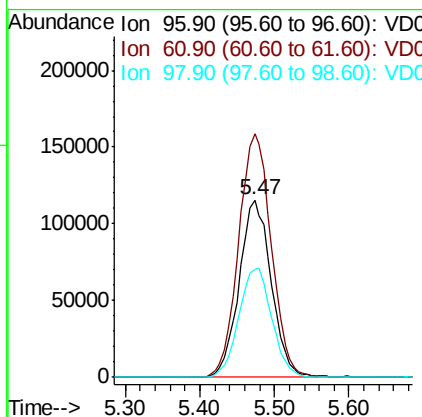
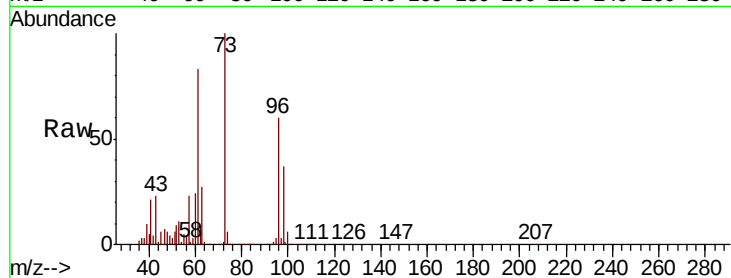
98 61.0 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 55.103 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Tgt Ion: 45 Resp: 1081350

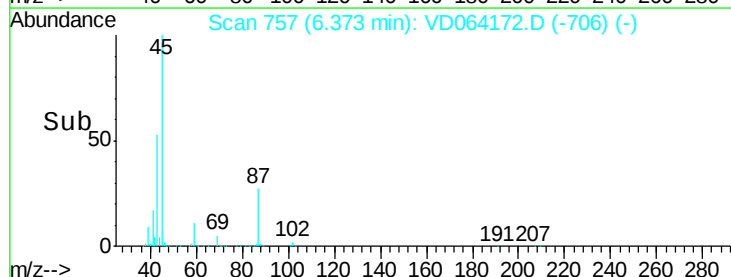
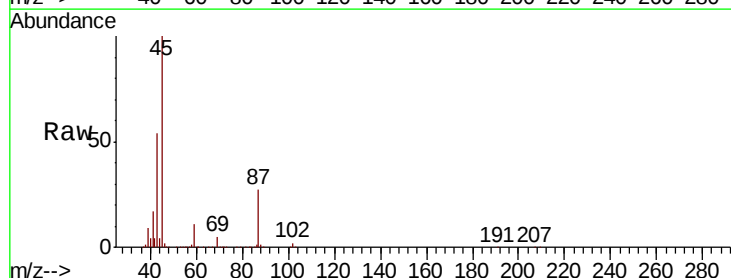
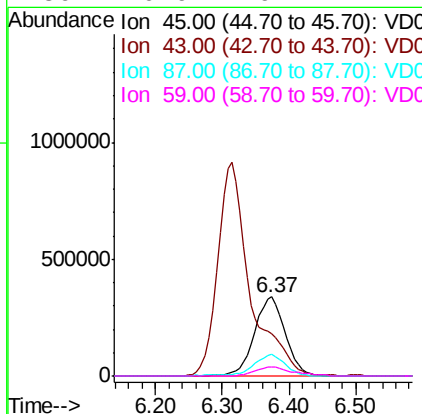
Ion Ratio Lower Upper

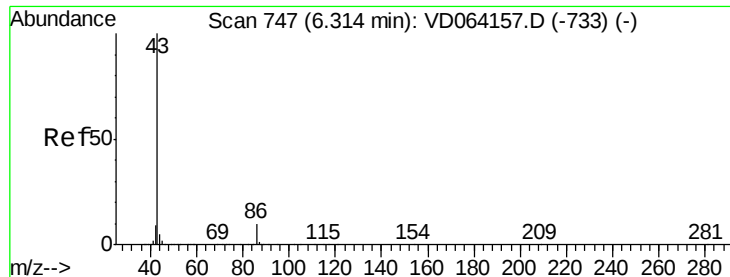
45 100

43 52.8 44.4 66.6

87 27.3 21.9 32.9

59 10.9 9.4 14.2





#23

Vinyl Acetate

Concen: 283.944 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 3106074

Ion Ratio Lower Upper

43 100

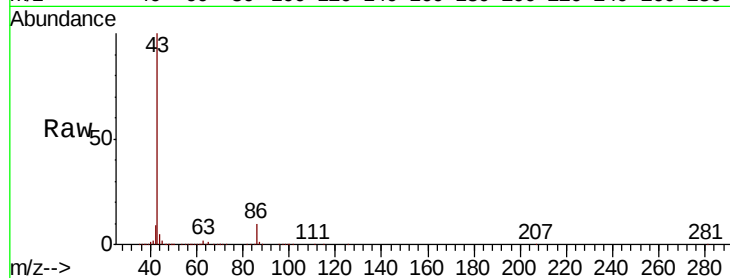
86 10.1 8.2 12.2

Manual Integrations

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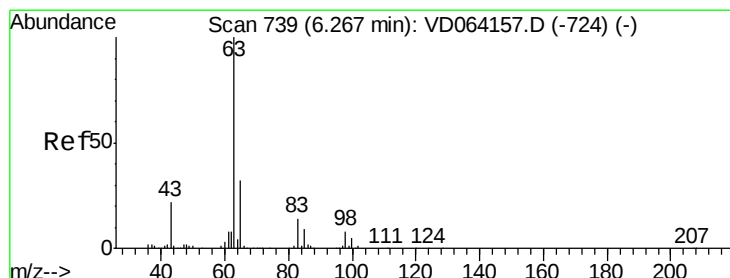
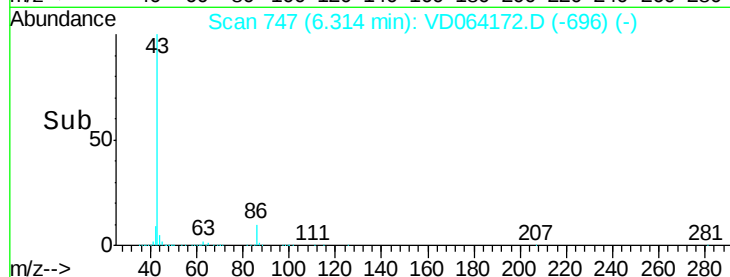
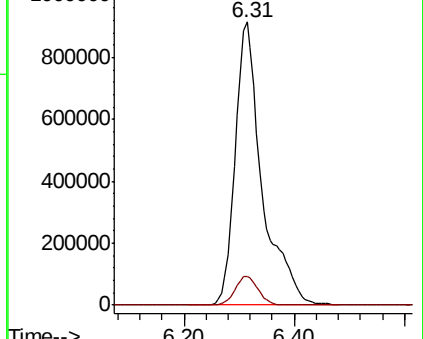
MMDadoda

11/13/2019 11:06:29 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.318 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

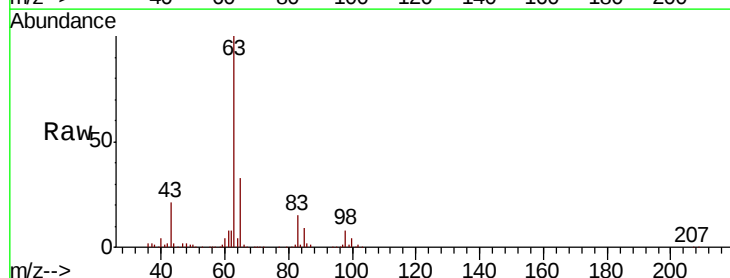
Tgt Ion: 63 Resp: 607523

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.4

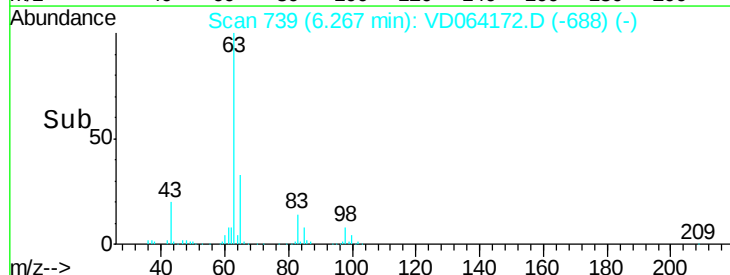
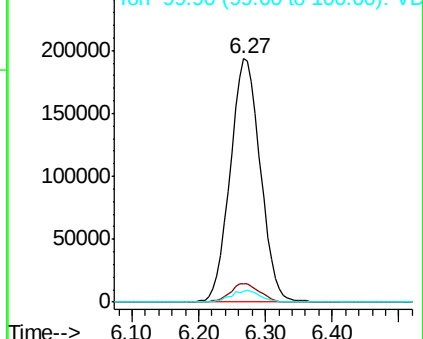
100 4.5 2.4 7.2



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: 273.880 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 490793

Ion Ratio Lower Upper

43 100

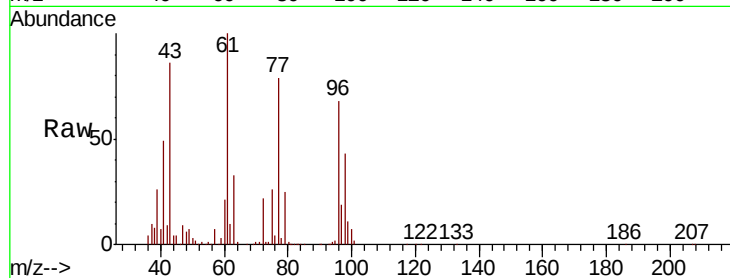
72 25.7 20.6 30.8

Manual Integrations

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11/13/2019 11:06:29 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

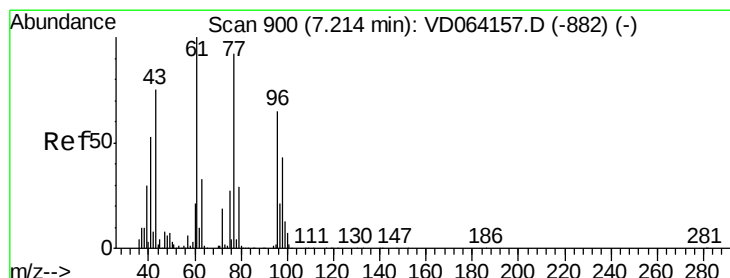
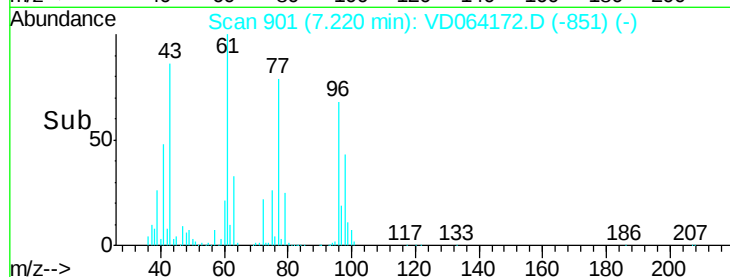
100000

50000

0

7.10 7.15 7.20 7.25 7.30

Time-->



#26

2,2-Dichloropropane

Concen: 46.318 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064172.D

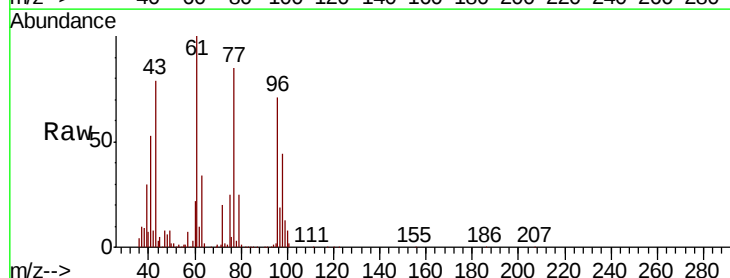
Acq: 08 Nov 2019 23:30

Tgt Ion: 77 Resp: 517577

Ion Ratio Lower Upper

77 100

97 22.9 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

200000

150000

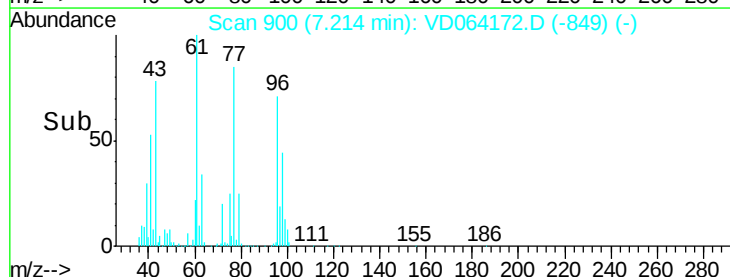
100000

50000

0

7.10 7.20 7.30

Time-->





#27

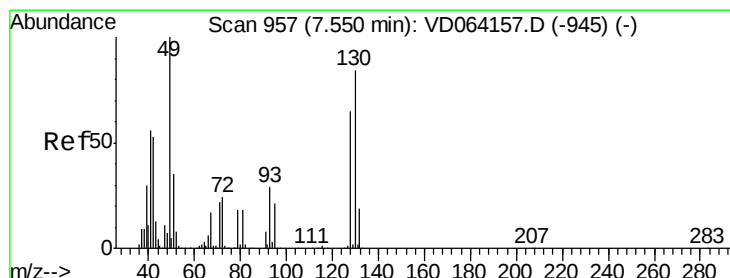
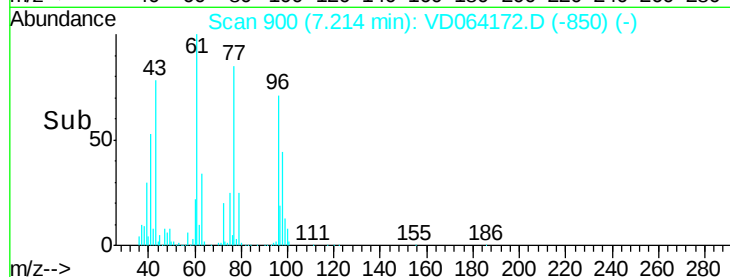
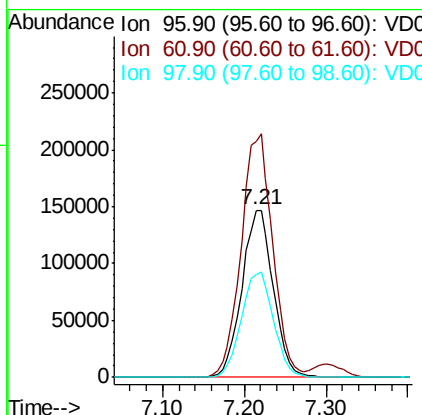
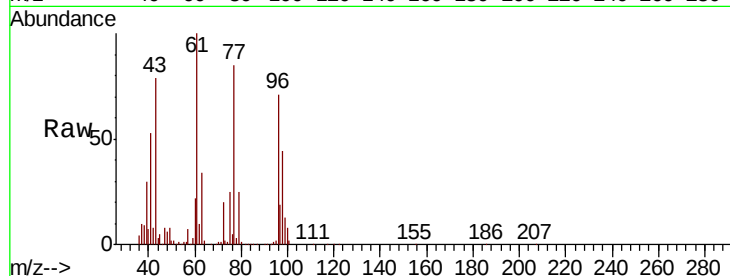
cis-1,2-Dichloroethene
 Concen: 53.840 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	146.9	0.0	301.4		
98	64.5	0.0	133.2		

Manual Integrations
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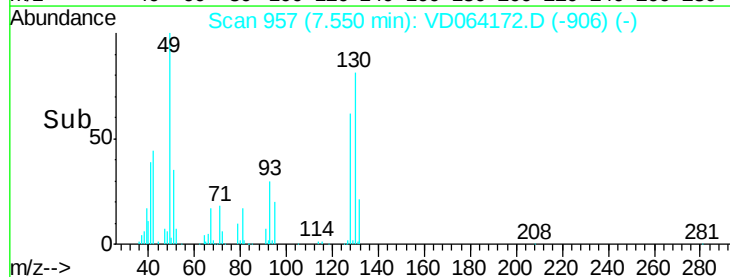
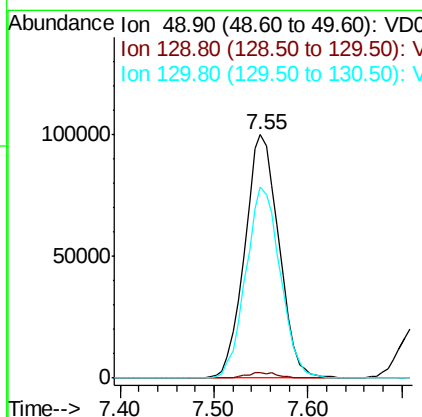
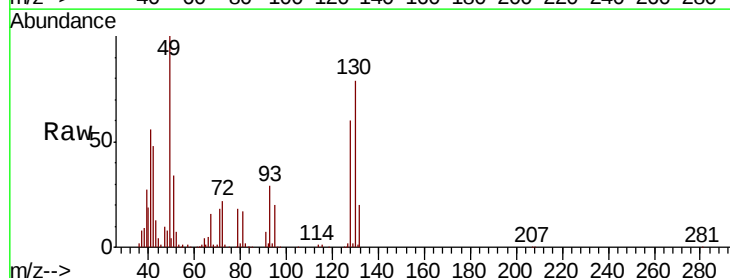
MMDadoda
 11/13/2019 11:06:29 AM

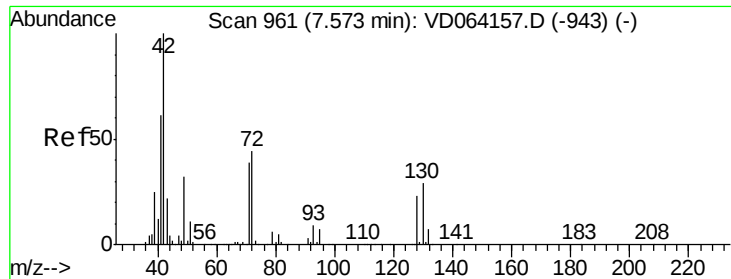


#28

Bromochloromethane
 Concen: 63.322 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.2	0.0	4.4		
130	79.1	66.8	100.2		





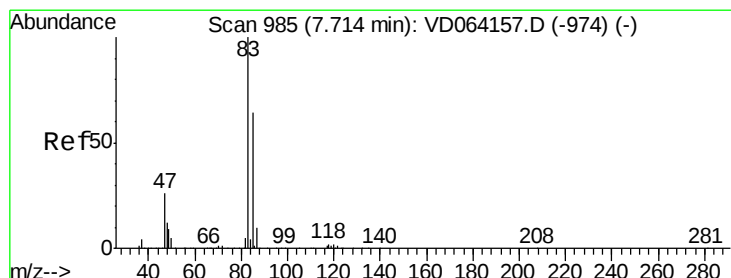
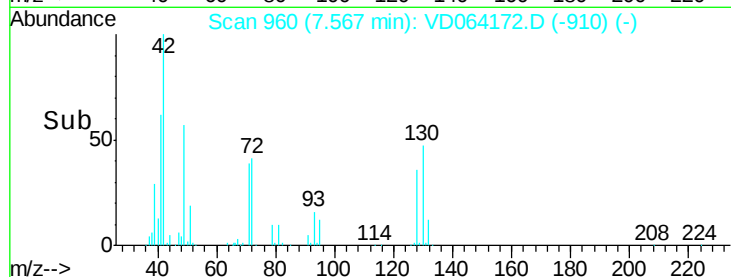
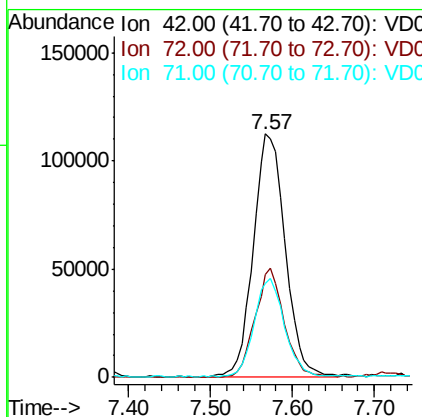
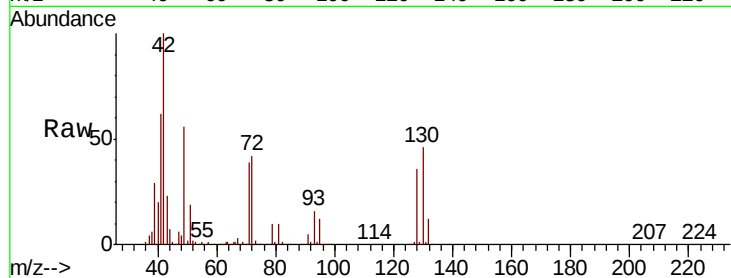
#29
Tetrahydrofuran
Concen: 282.889 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.4	50.2
71	38.3	31.0	46.4

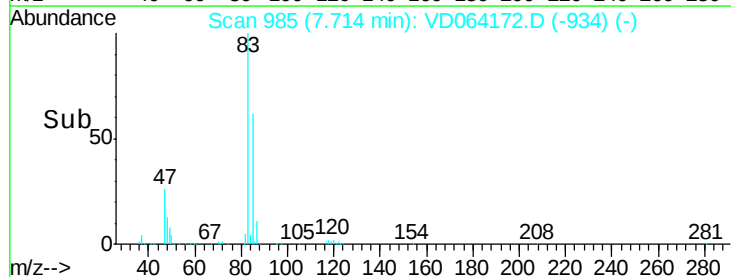
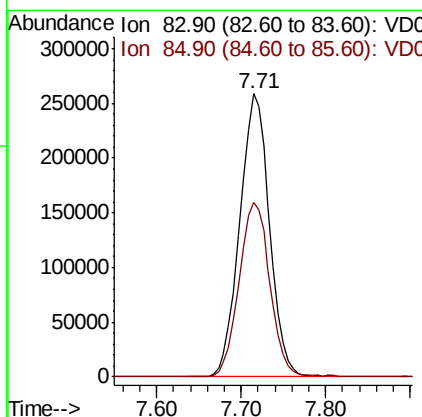
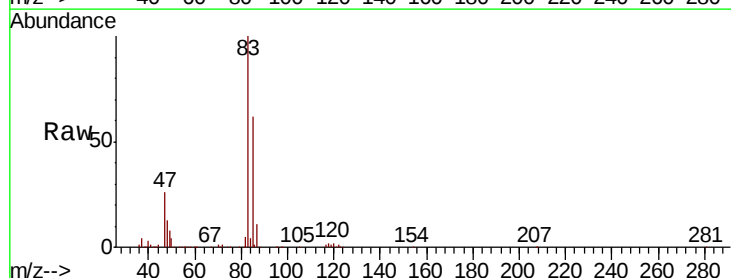
Manual Integrations
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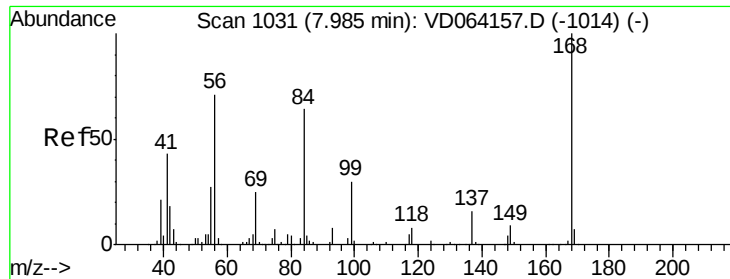
MMDadoda
11/13/2019 11:06:29 AM



#30
Chloroform
Concen: 54.243 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.4	77.0





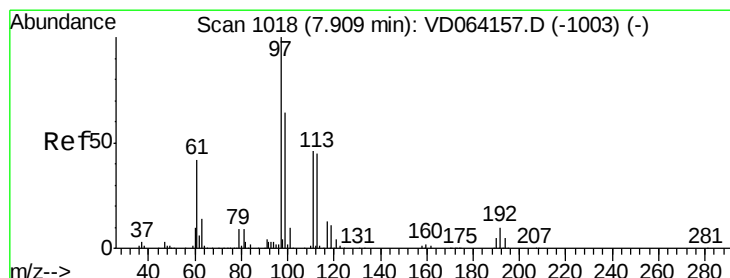
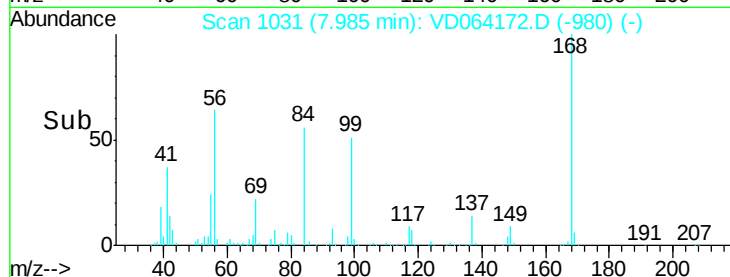
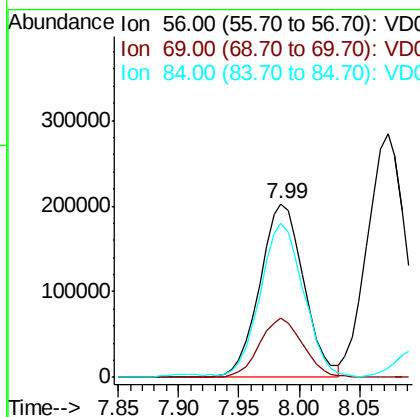
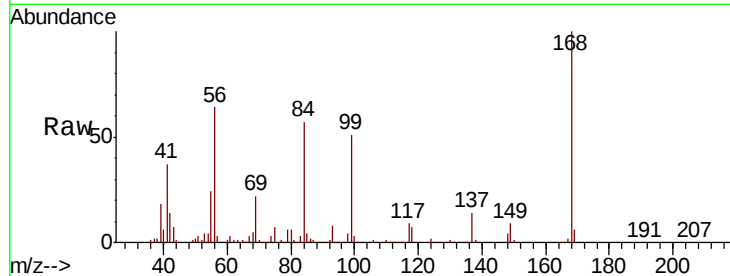
#31
Cyclohexane
Concen: 44.625 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	28.2	42.4
84	87.2	71.8	107.6

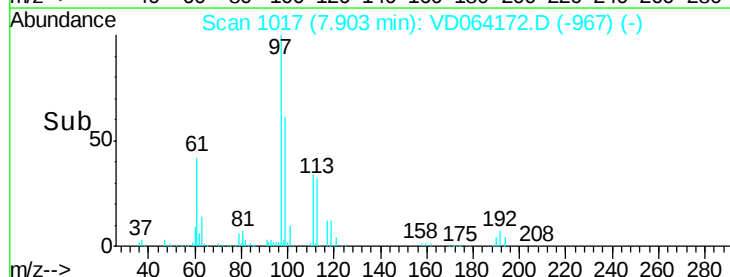
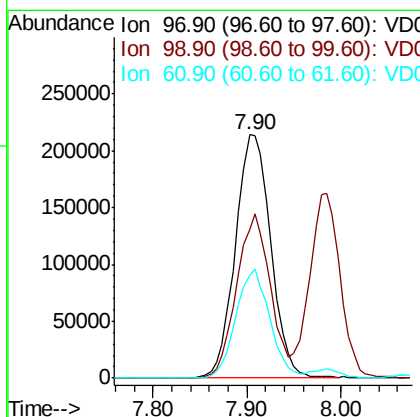
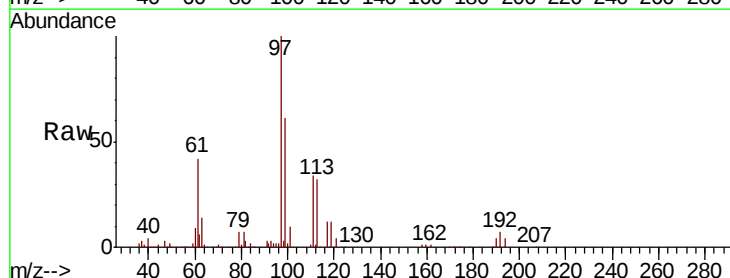
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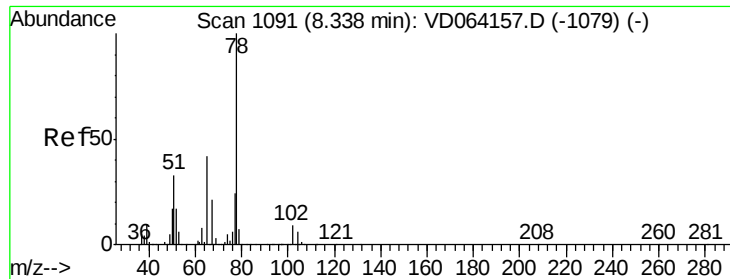
MMDadoda
11/13/2019 11:06:29 AM



#32
1,1,1-Trichloroethane
Concen: 50.057 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	43.2	34.2	51.2





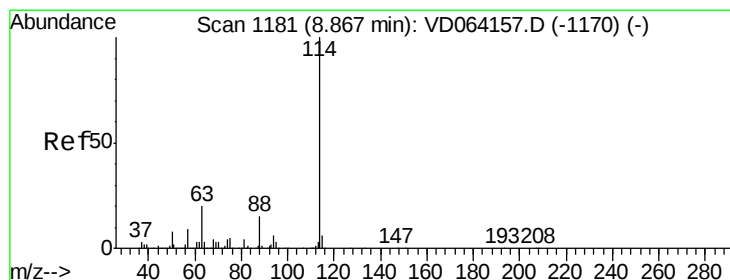
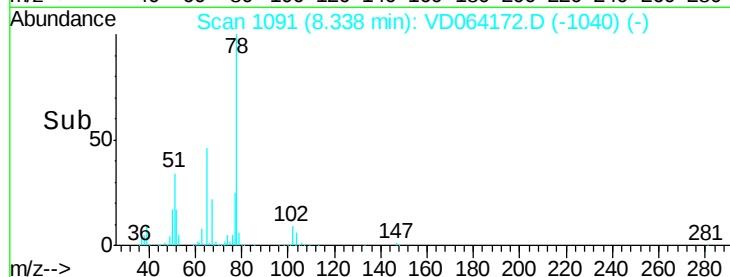
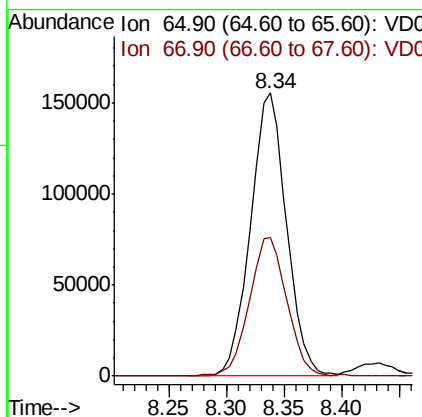
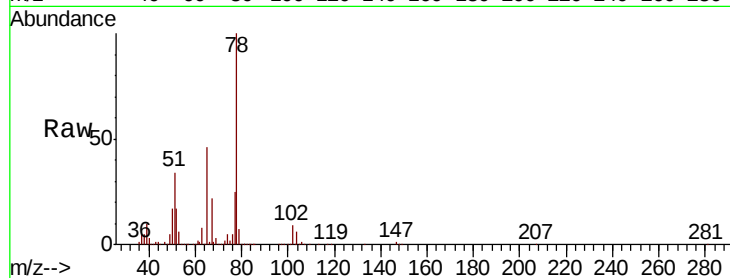
#33
 1,2-Dichloroethane-d4
 Concen: 57.820 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.4

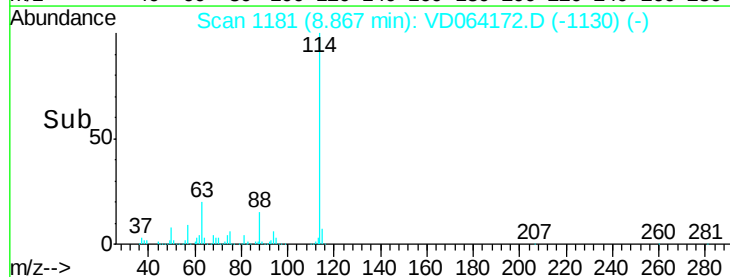
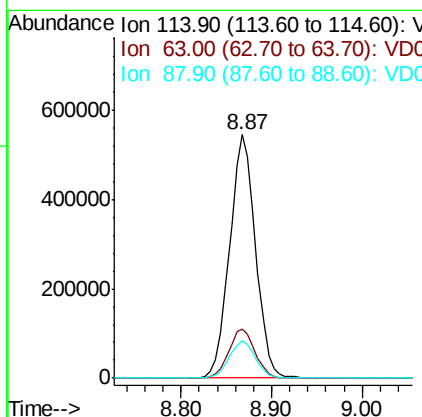
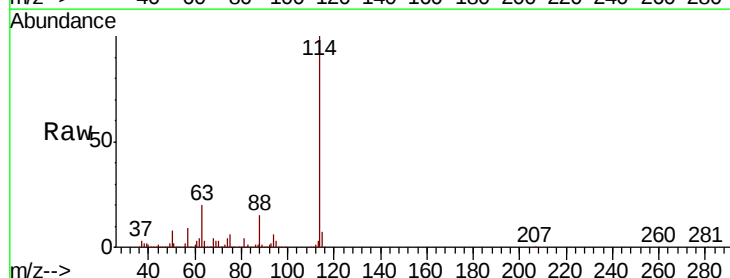
Manual Integrations
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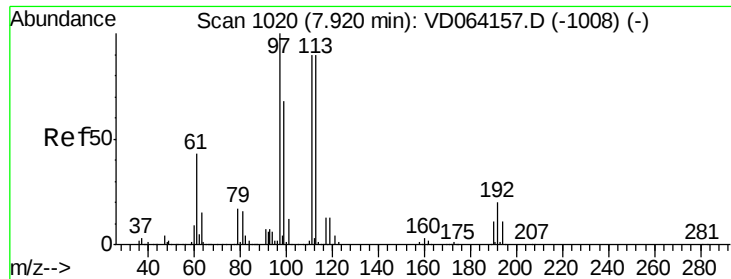
MMDadoda
 11/13/2019 11:06:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.0
88	15.3	0.0	30.2





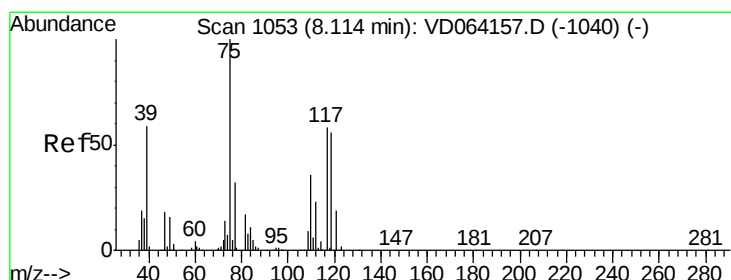
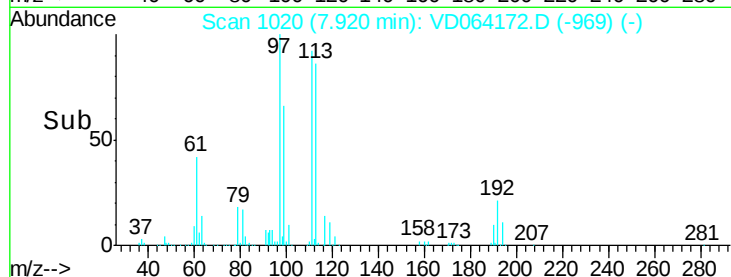
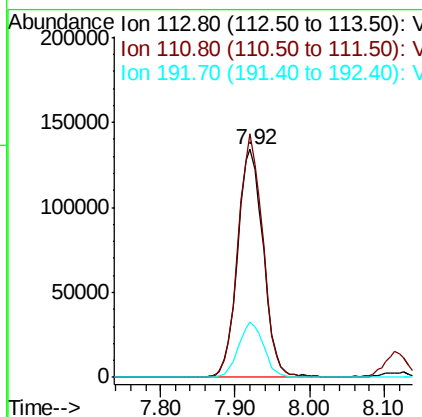
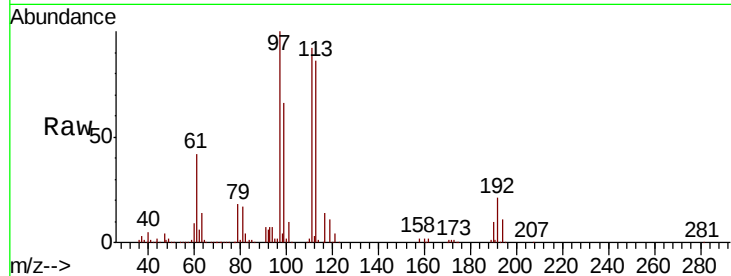
#35
Dibromofluoromethane
Concen: 51.688 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.5	122.3
192	23.7	18.8	28.2

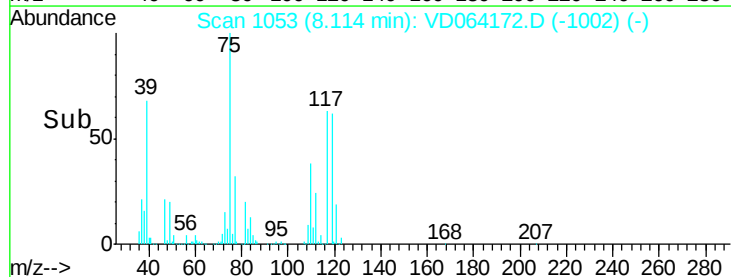
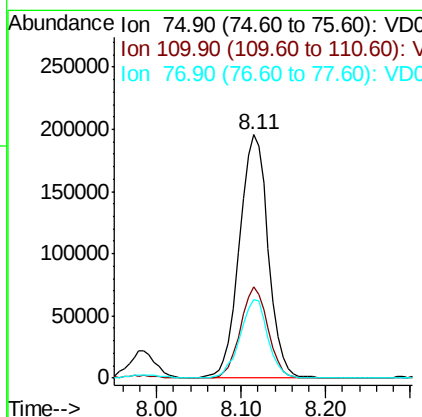
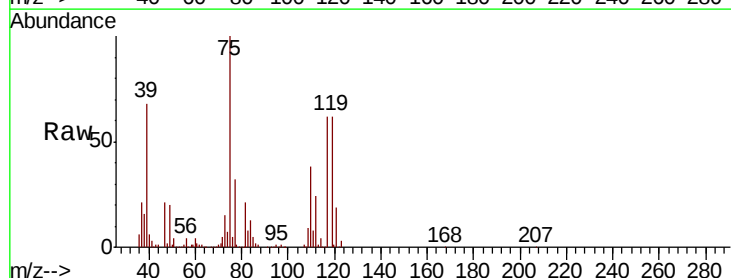
Manual Integrations
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11/13/2019 11:06:29 AM



#36
1,1-Dichloropropene
Concen: 46.074 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.3	54.9
77	31.0	25.0	37.6





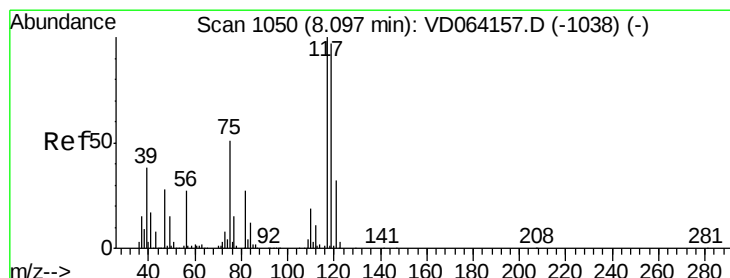
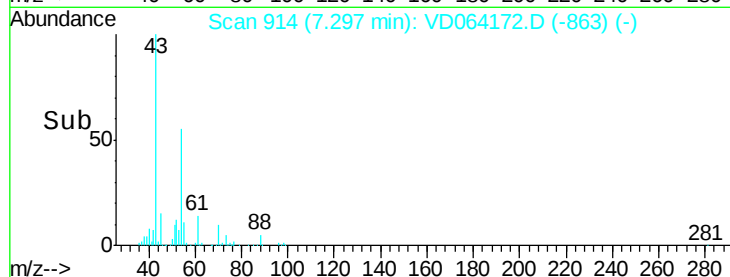
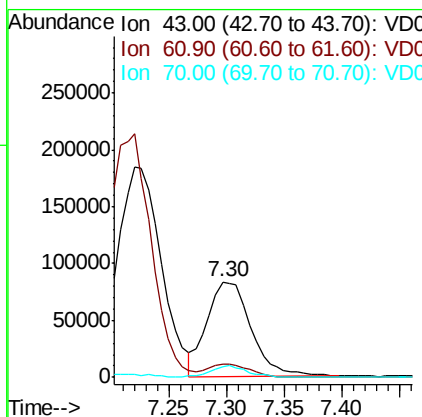
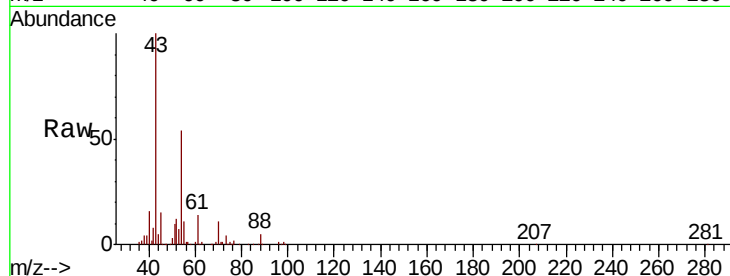
#37
Ethyl Acetate
Concen: 52.049 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	9.5	8.5	12.7

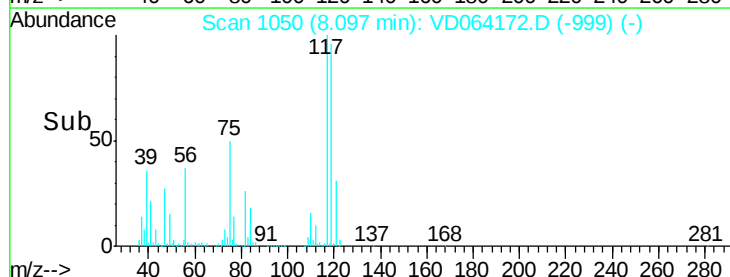
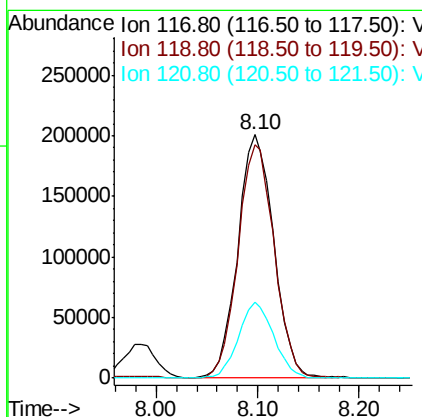
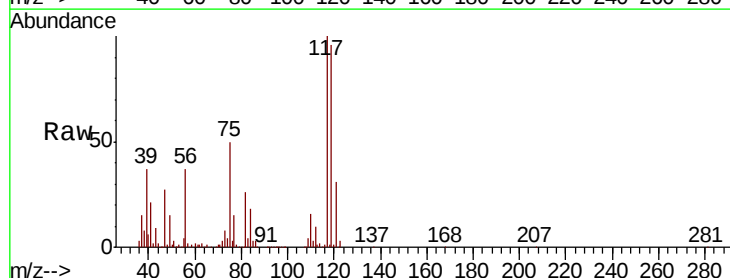
Manual Integrations
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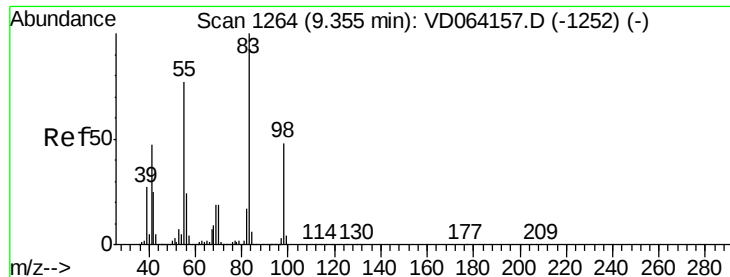
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#38
Carbon Tetrachloride
Concen: 45.784 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.2	115.8
121	31.5	25.5	38.3





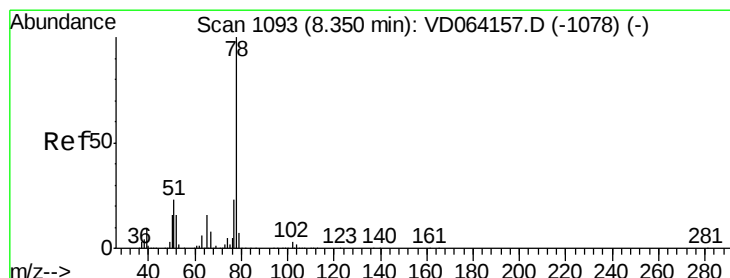
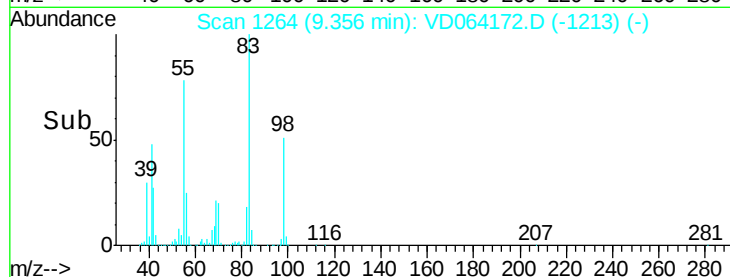
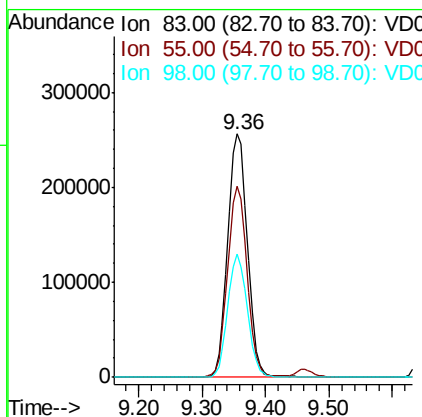
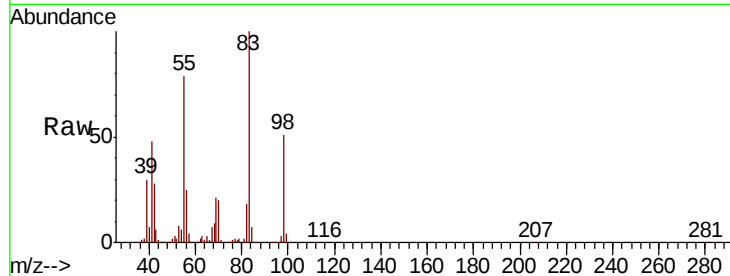
#39
Methvlcvclohexane
Concen: 43.187 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	61.7	92.5
98	50.5	38.6	58.0

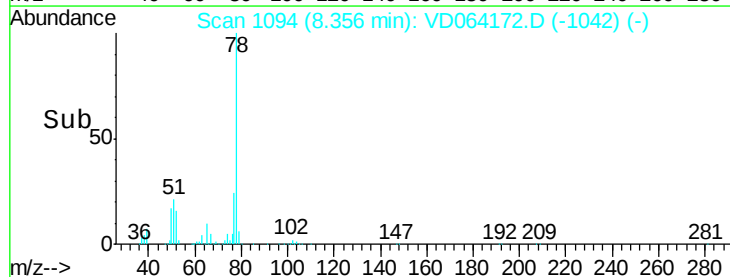
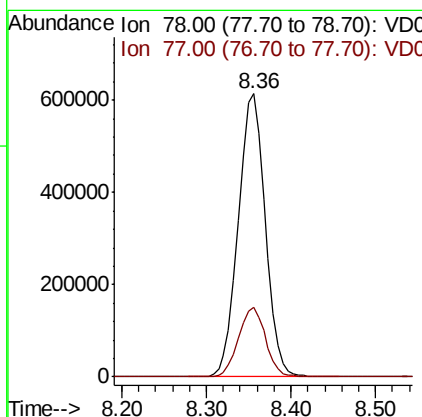
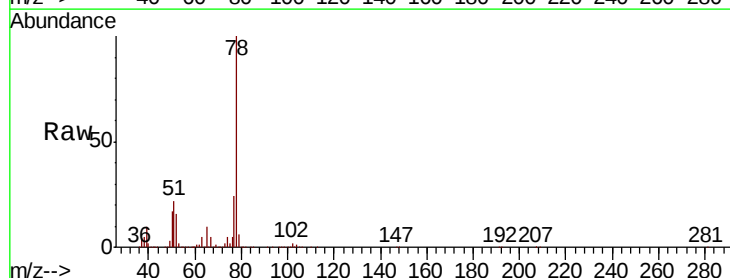
Manual Integrations
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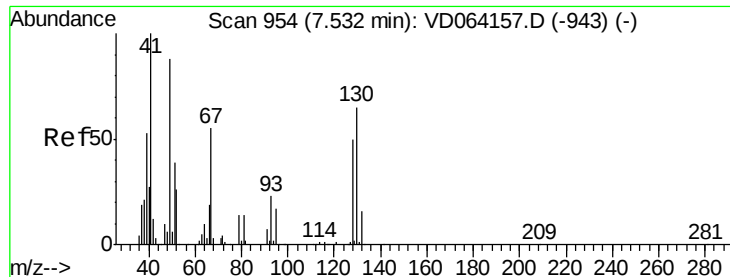
MMDadoda
11/13/2019 11:06:29 AM



#40
Benzene
Concen: 49.658 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.6	28.0





#41

Methacrylonitrile

Concen: 48.453 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 128474

Ion Ratio Lower Upper

41 100

39 62.1 49.4 74.2

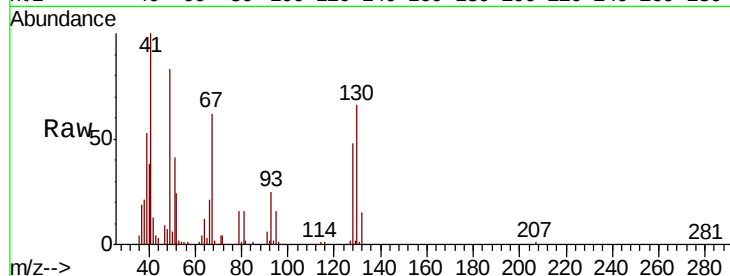
67 70.2 49.6 74.4

52 29.9 21.4 32.0

Manual Integrations
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MMDadoda

11/13/2019 11:06:29 AM

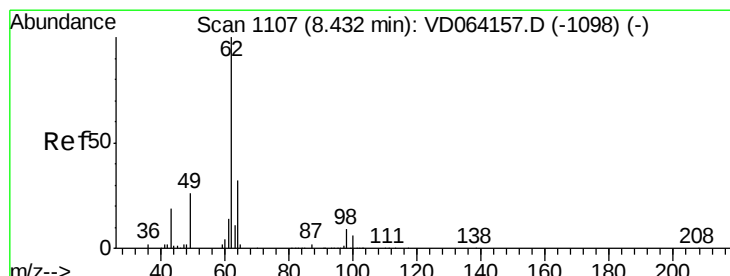
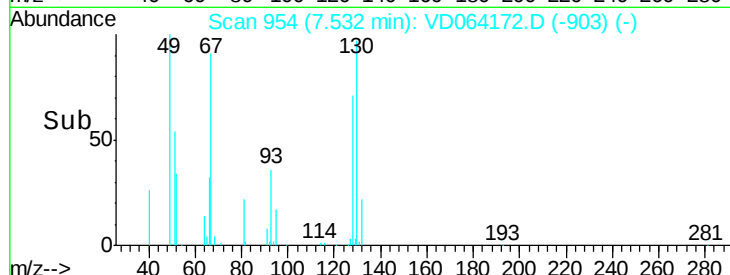
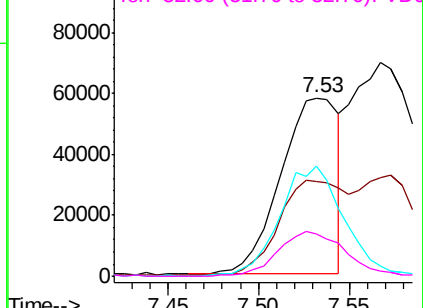


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.535 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064172.D

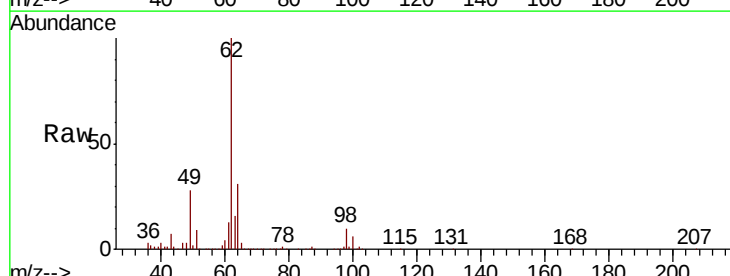
Acq: 08 Nov 2019 23:30

Tgt Ion: 62 Resp: 423311

Ion Ratio Lower Upper

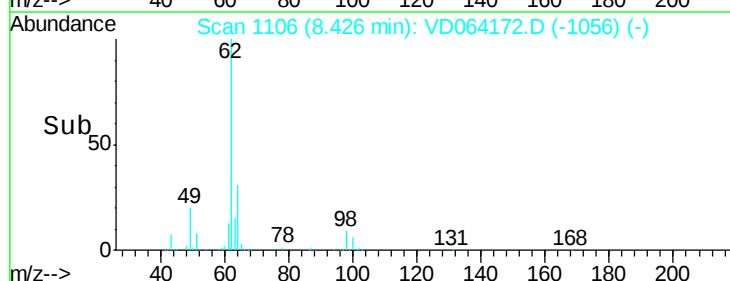
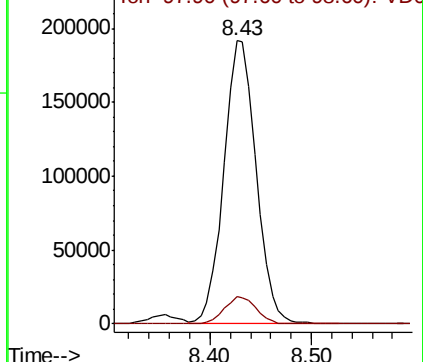
62 100

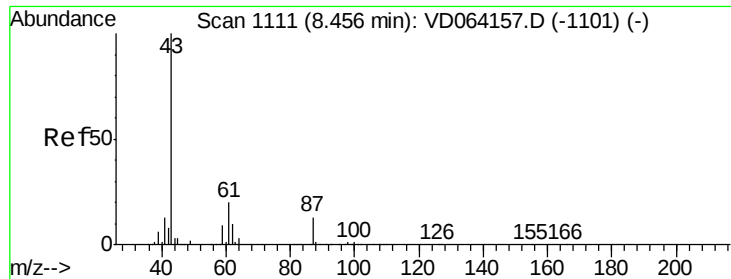
98 9.5 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





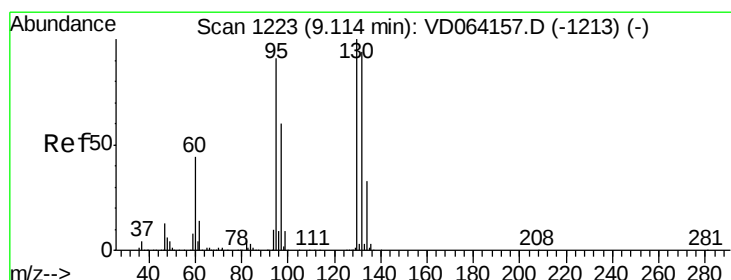
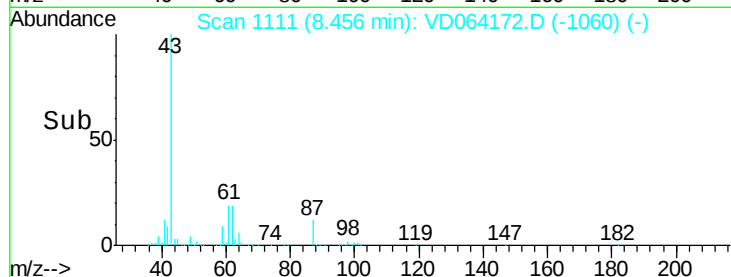
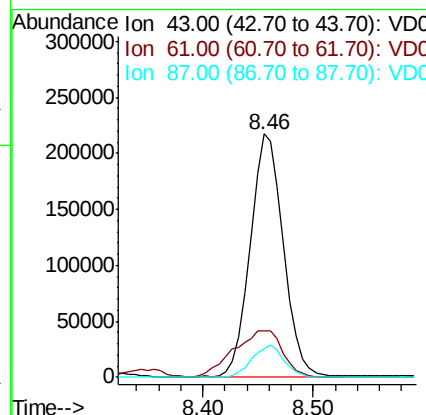
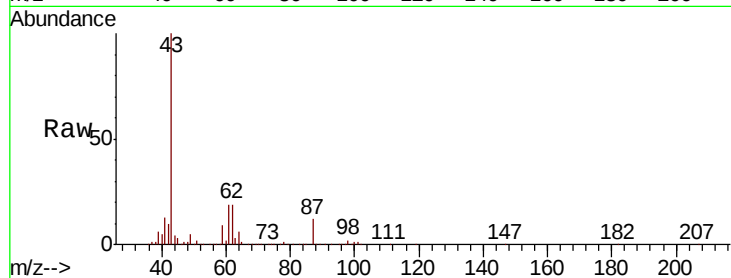
#43
Isopropyl Acetate
Concen: 52.271 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	22.9	34.3
87	13.0	10.2	15.2

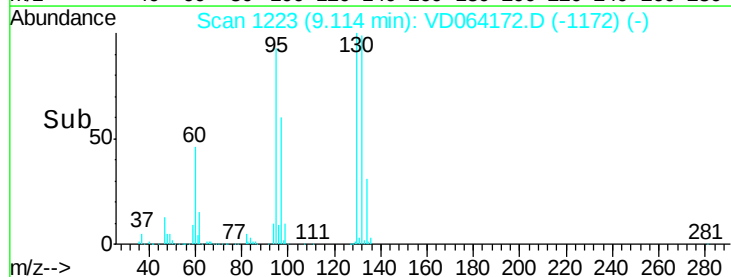
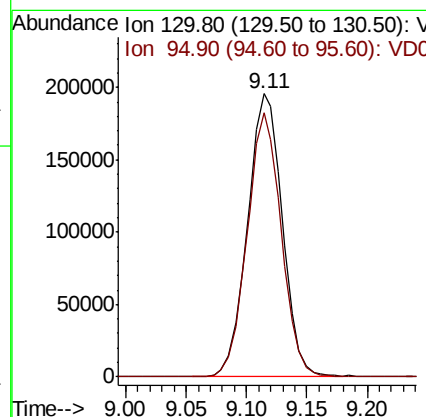
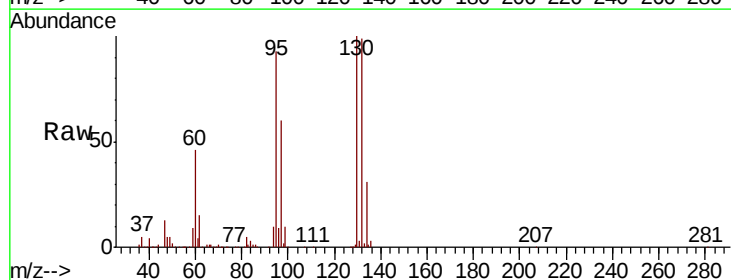
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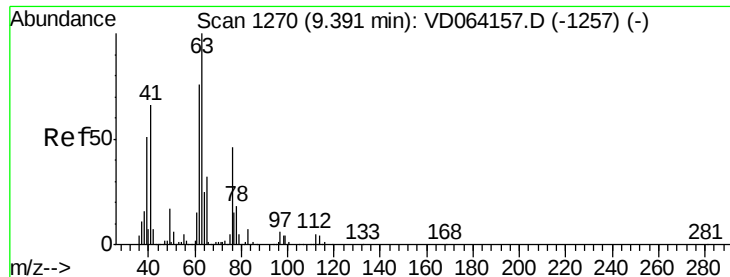
MMDadoda
11/13/2019 11:06:29 AM



#44
Trichloroethene
Concen: 47.992 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	181.6





#45

1,2-Dichloropropane

Concen: 50.579 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 336688

Ion Ratio Lower Upper

63 100

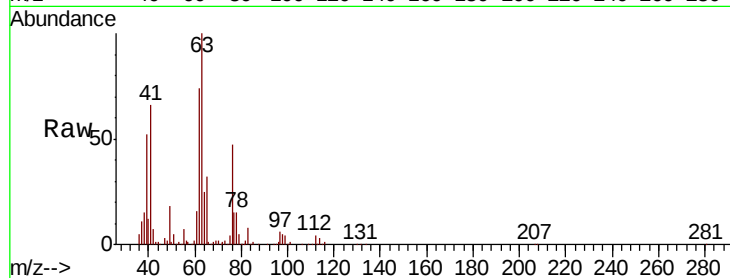
65 31.6 25.7 38.5

Manual Integrations

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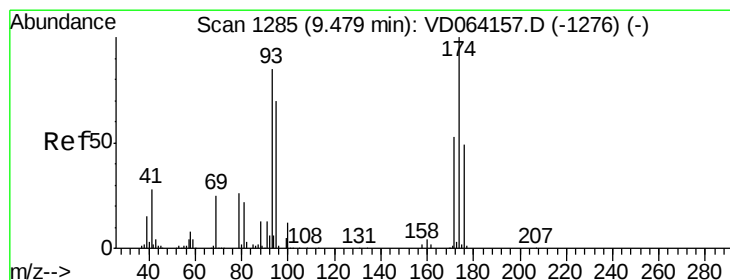
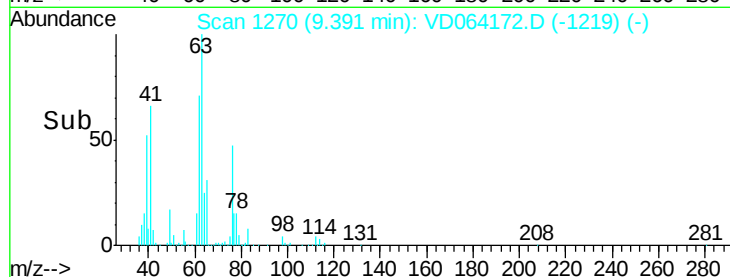
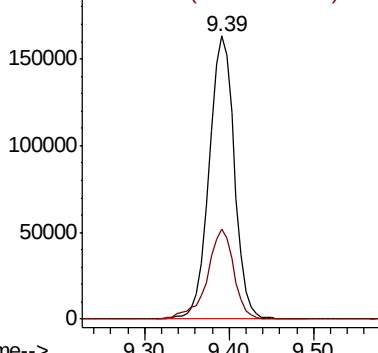
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.859 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

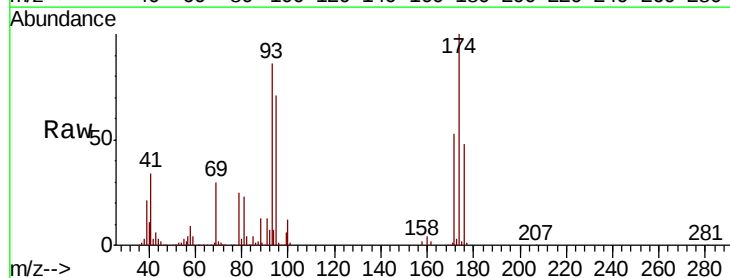
Tgt Ion: 93 Resp: 184810

Ion Ratio Lower Upper

93 100

95 82.2 65.5 98.3

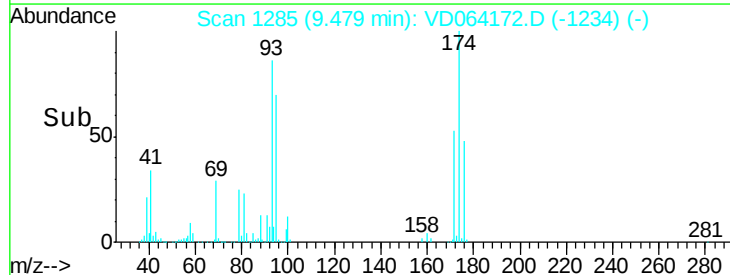
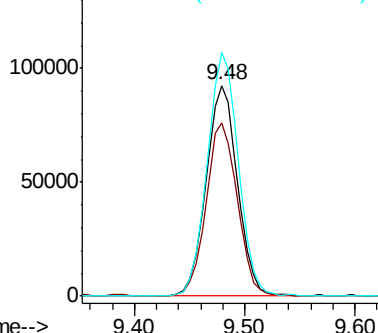
174 115.4 93.9 140.9

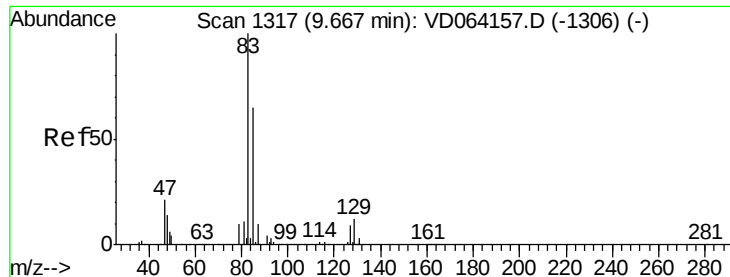


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.286 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

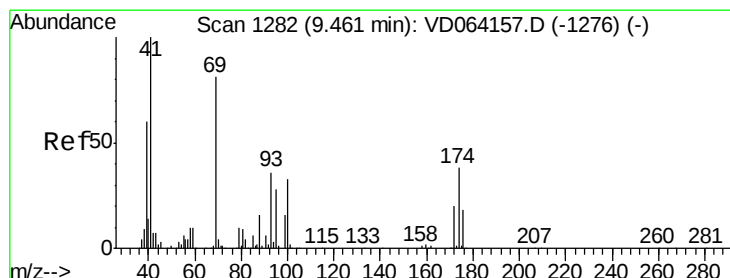
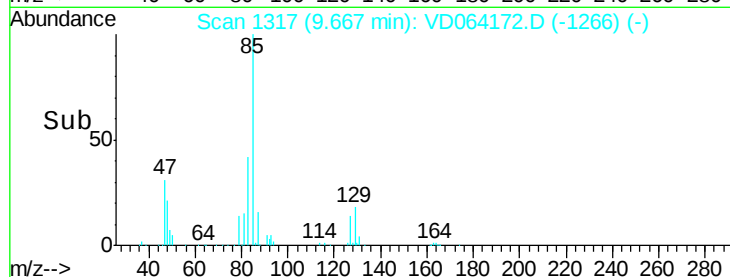
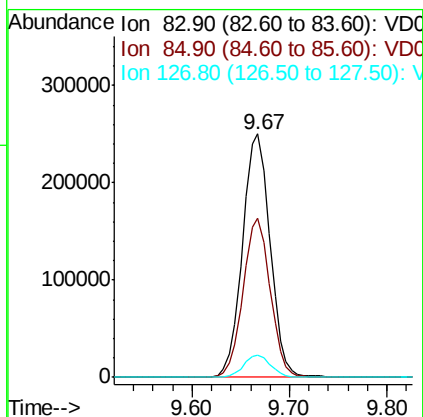
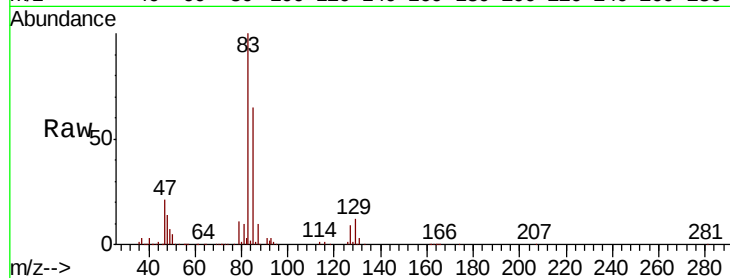
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	492304
Ion Ratio	Lower	Upper	
83	100		
85	65.2	52.2	78.4
127	8.9	7.5	11.3

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#48

Methyl methacrylate

Concen: 49.648 ug/l

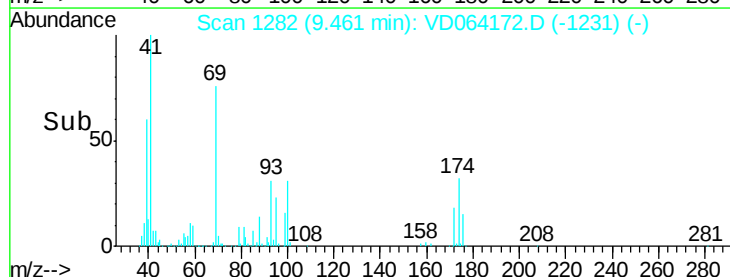
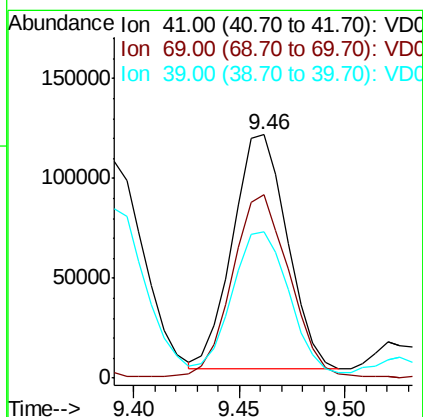
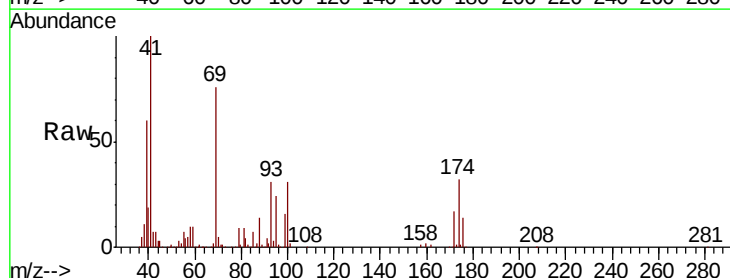
RT: 9.46 min Scan# 1282

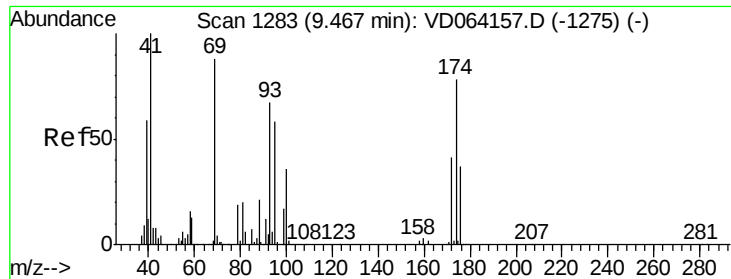
Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Tgt Ion:	41	Resp:	211018
Ion Ratio	Lower	Upper	
41	100		
69	82.0	64.6	97.0
39	66.5	48.2	72.2





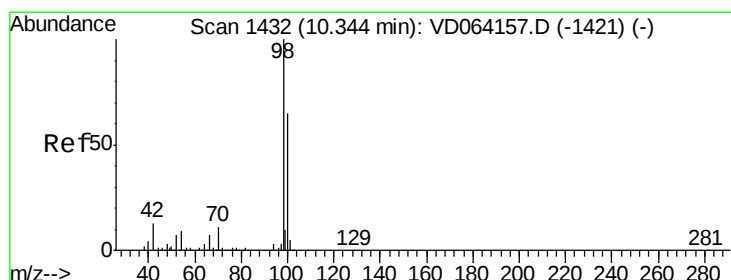
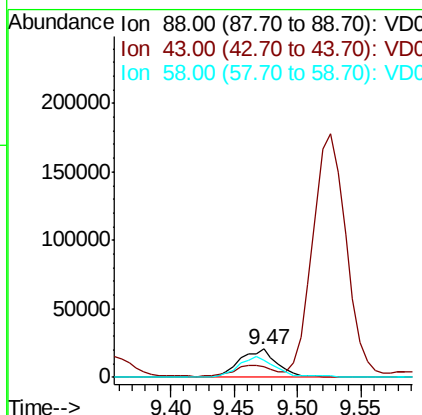
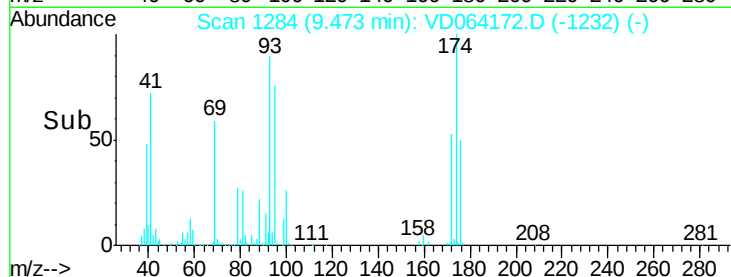
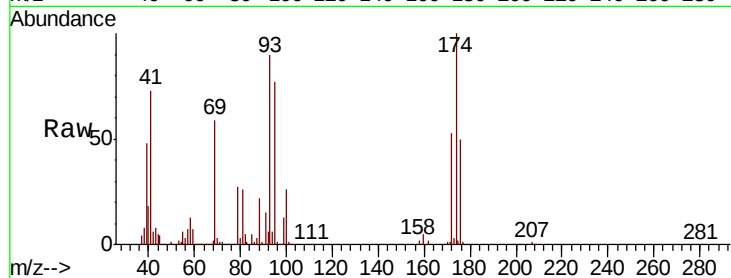
#49
1,4-Dioxane
Concen: 982.663 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	42058
Ion Ratio	Lower	Upper	
88	100		
43	41.4	29.8	44.8
58	72.4	58.1	87.1

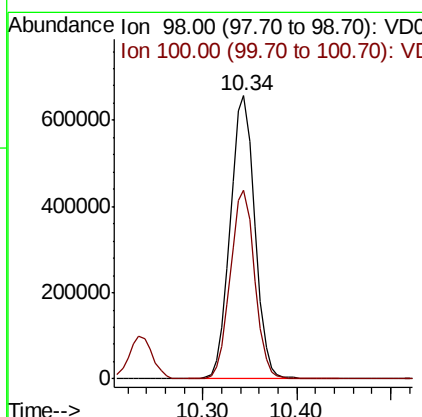
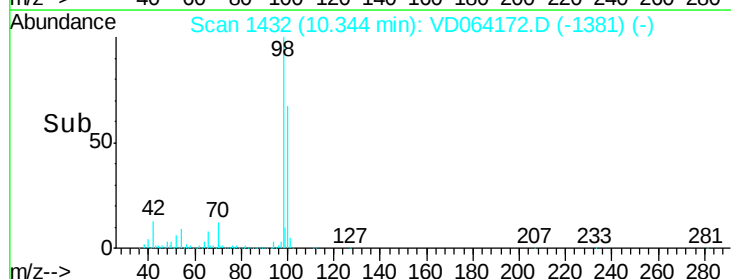
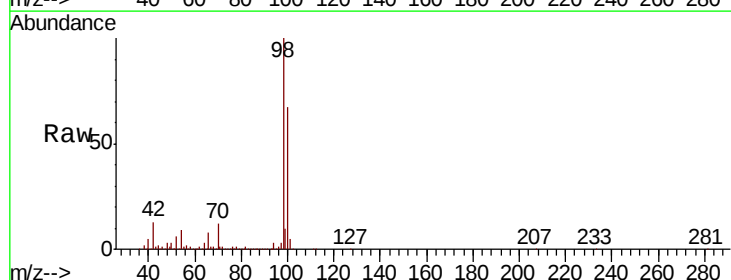
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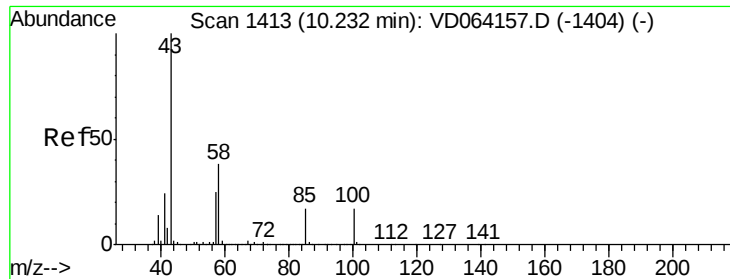
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#50
Toluene-d8
Concen: 50.871 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	98	Resp	1194409
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.6	78.8





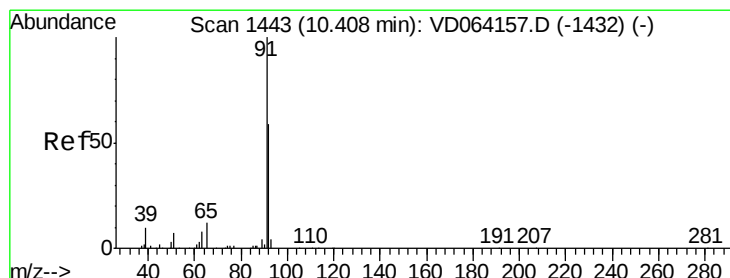
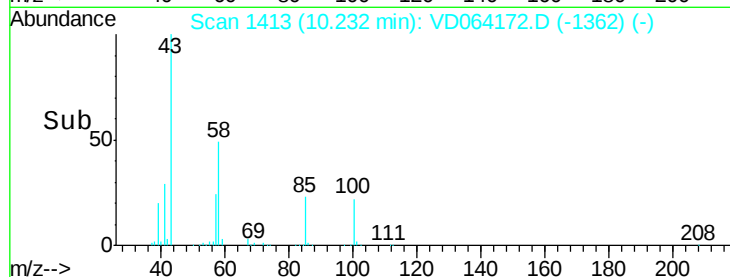
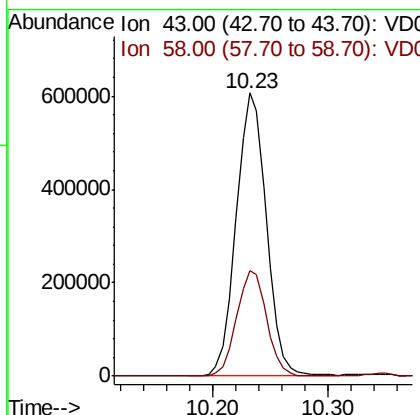
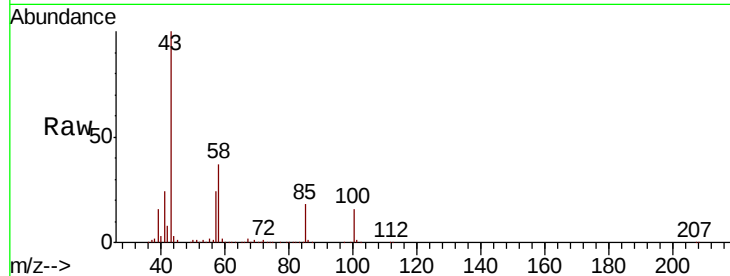
#51
4-Methyl-2-Pentanone
Concen: 263.103 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1096691
Ion Ratio Lower Upper
43 100
58 37.2 30.2 45.4

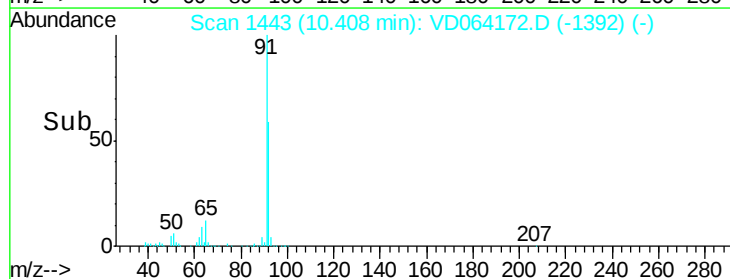
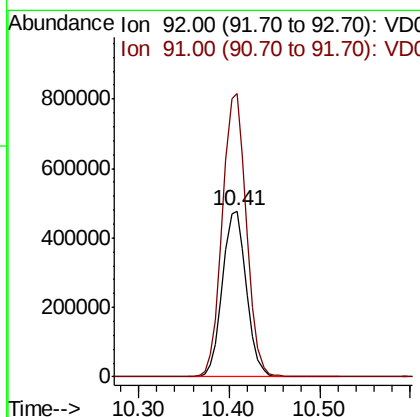
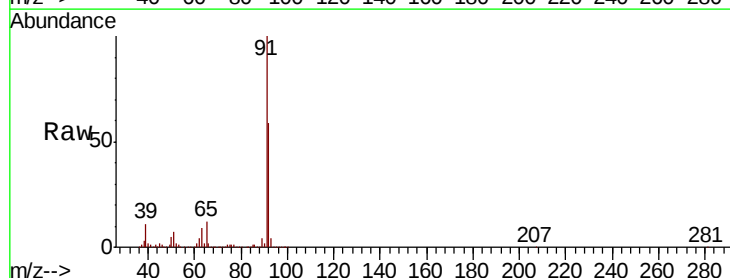
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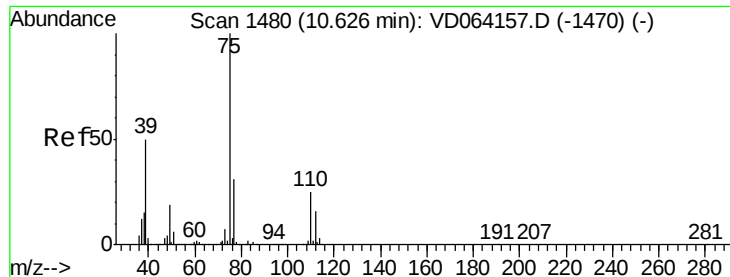
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#52
Toluene
Concen: 48.699 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion: 92 Resp: 875792
Ion Ratio Lower Upper
92 100
91 171.1 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 50.333 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 484048

Ion Ratio Lower Upper

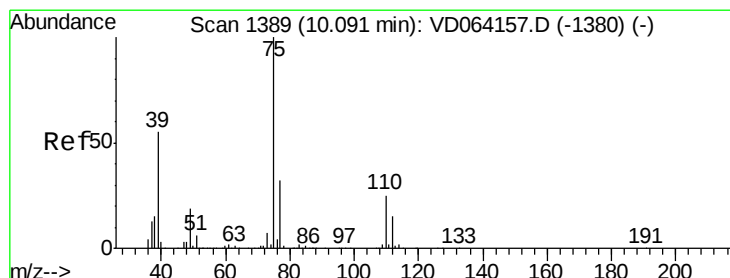
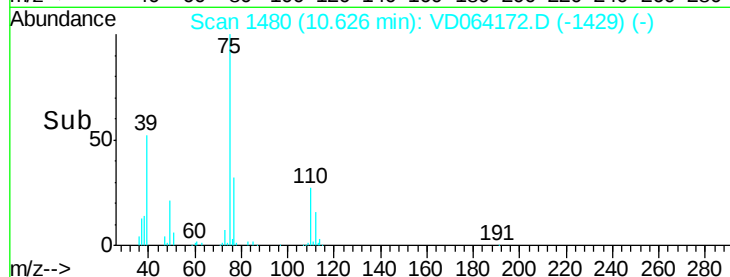
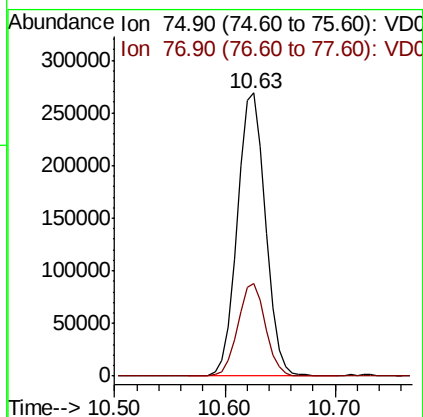
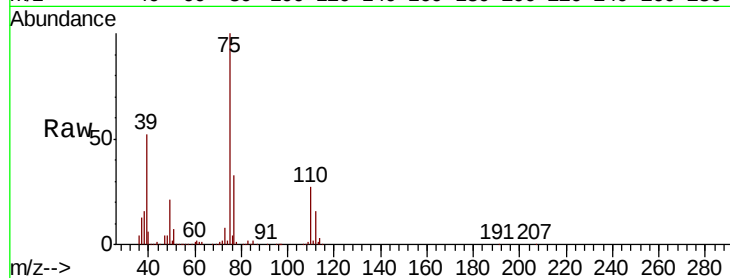
75 100

77 32.5 24.7 37.1

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#54

cis-1,3-Dichloropropene

Concen: 50.672 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

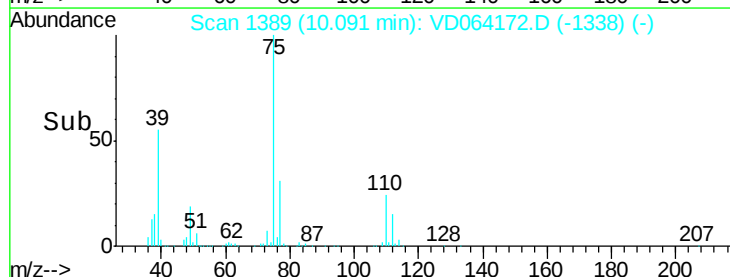
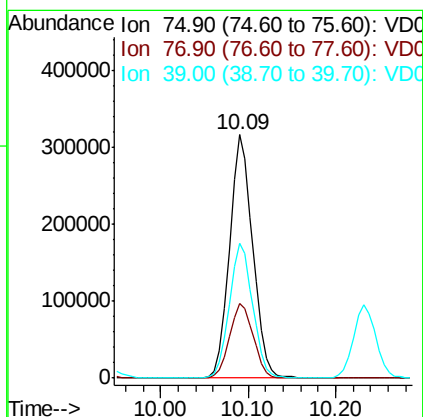
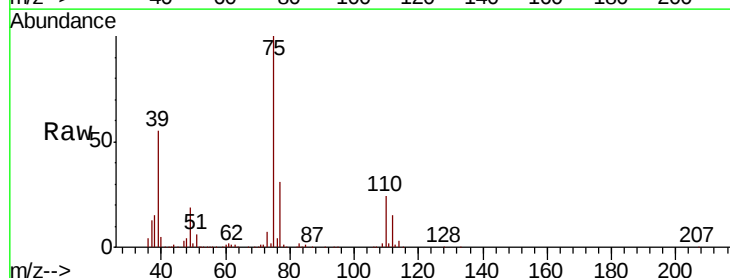
Tgt Ion: 75 Resp: 568649

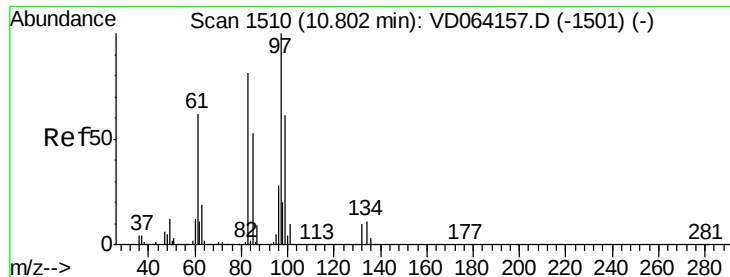
Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8

39 55.1 44.2 66.2





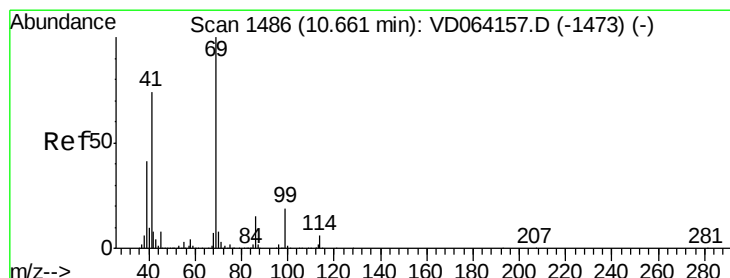
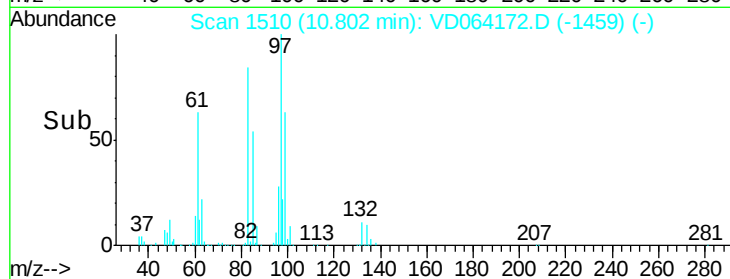
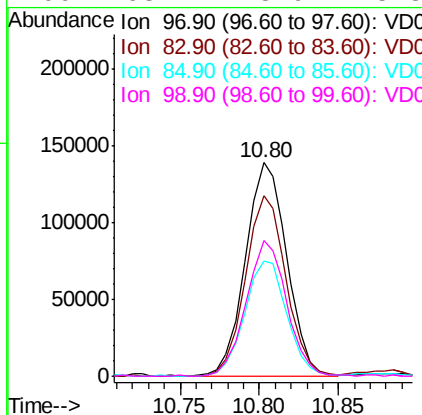
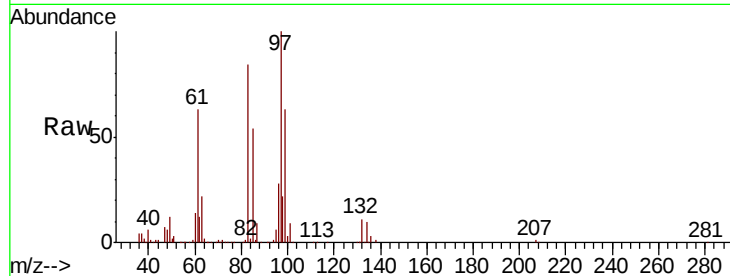
#55
 1,1,2-Trichloroethane
 Concen: 51.917 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	250991
Ion	Ratio	Lower	Upper
97	100		
83	84.3	65.1	97.7
85	53.6	42.0	63.0
99	63.4	48.9	73.3

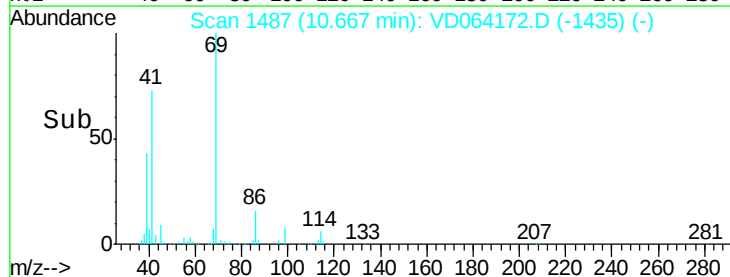
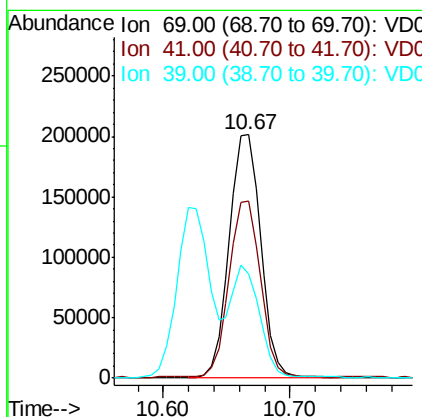
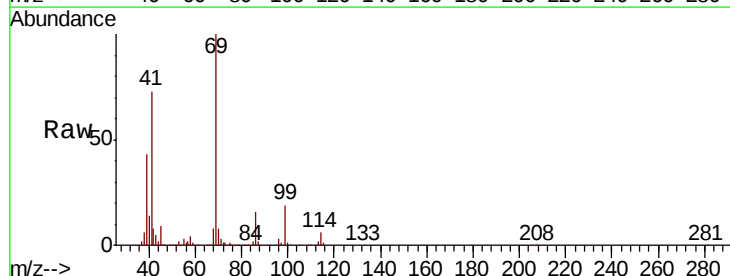
Manual Integrations
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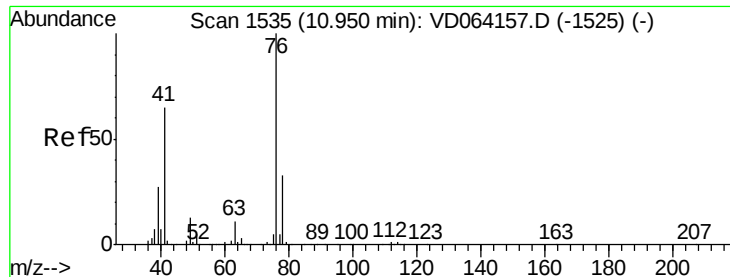
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#56
 Ethyl methacrylate
 Concen: 51.159 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Tgt Ion:	69	Resp:	345978
Ion	Ratio	Lower	Upper
69	100		
41	72.4	57.9	86.9
39	44.2	29.0	43.4#





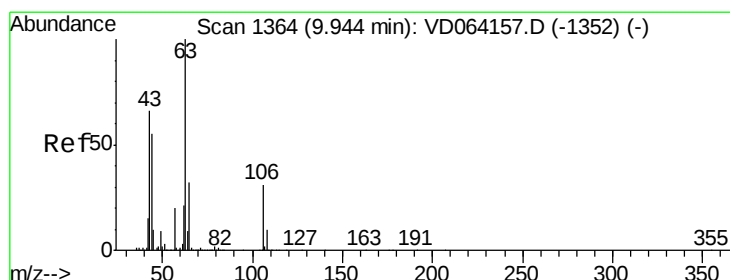
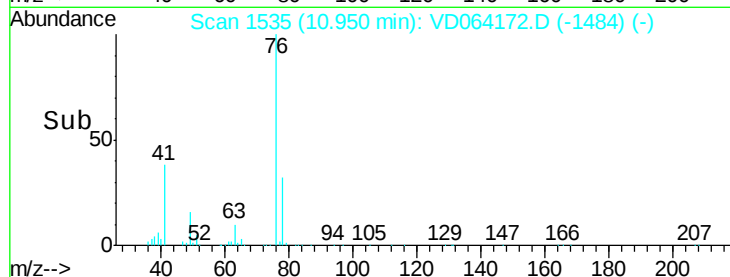
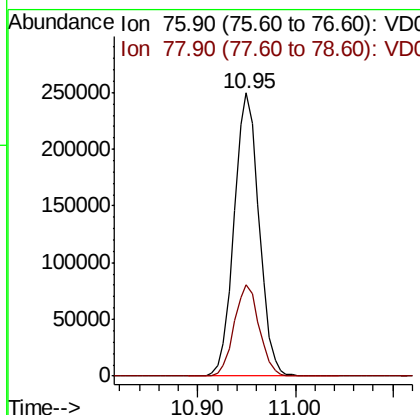
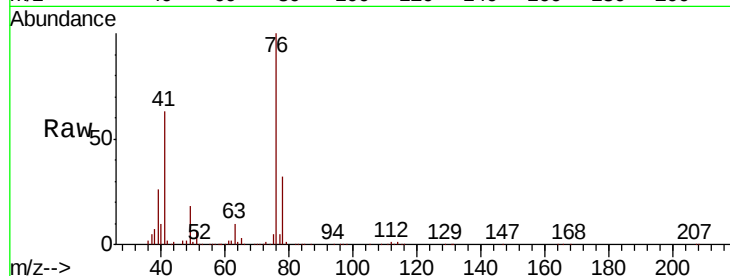
#57
 1,3-Dichloropropane
 Concen: 52.360 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 441459
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.4

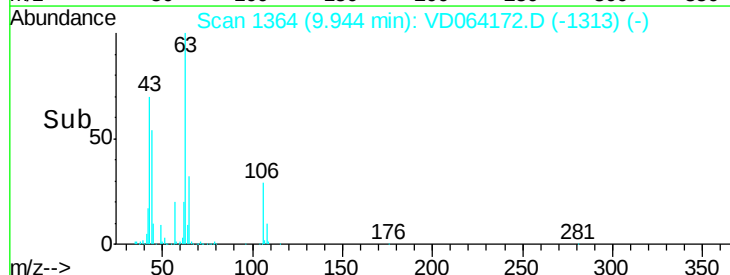
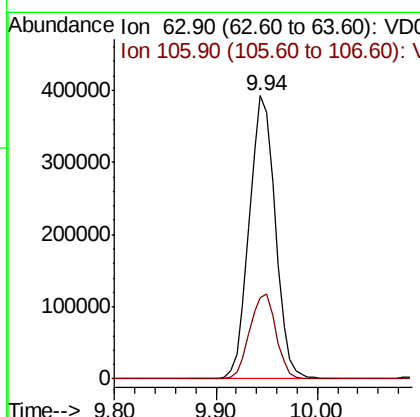
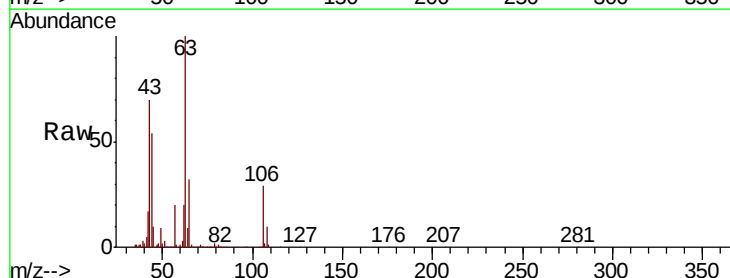
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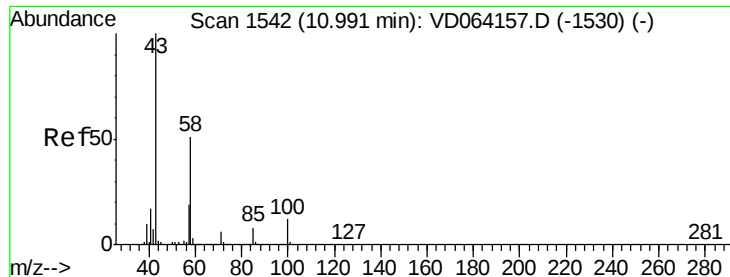
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#58
 2-Chloroethyl Vinyl ether
 Concen: 257.112 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Tgt Ion: 63 Resp: 704336
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.1 36.1





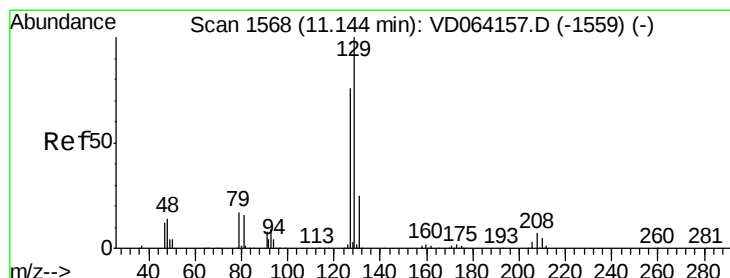
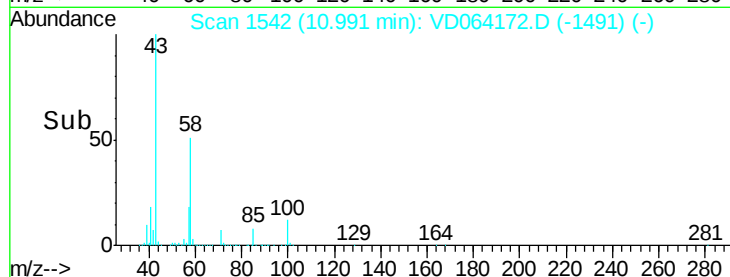
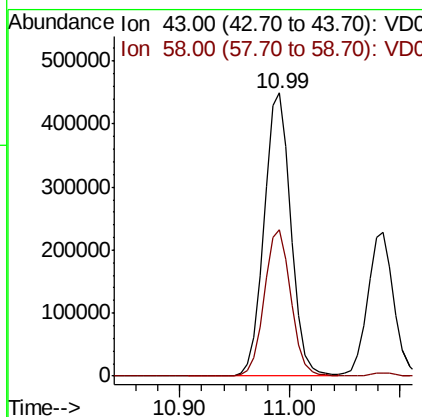
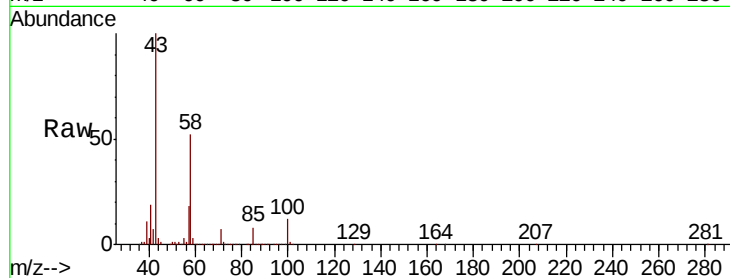
#59
2-Hexanone
Concen: 255.730 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 758368
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7

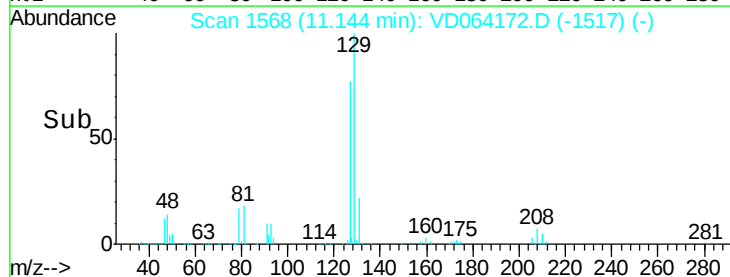
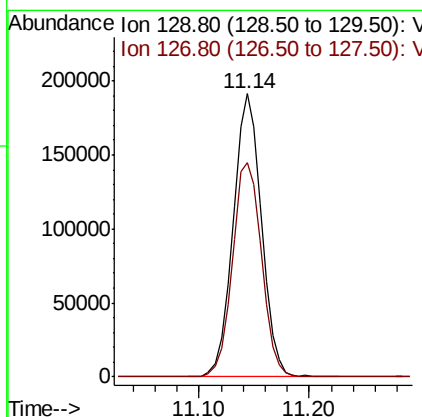
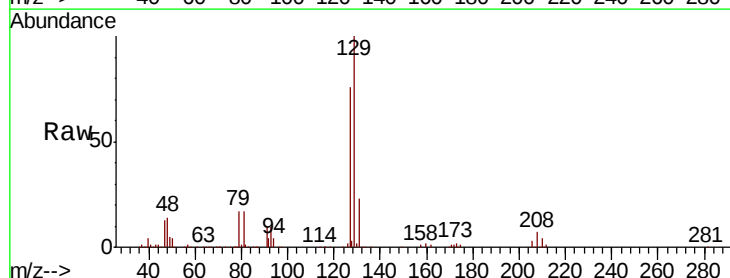
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#60
Dibromochloromethane
Concen: 50.992 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion: 129 Resp: 343983
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





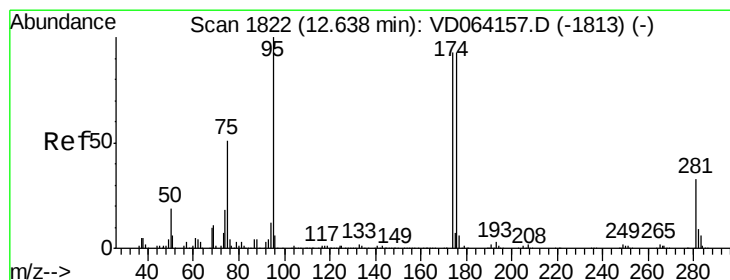
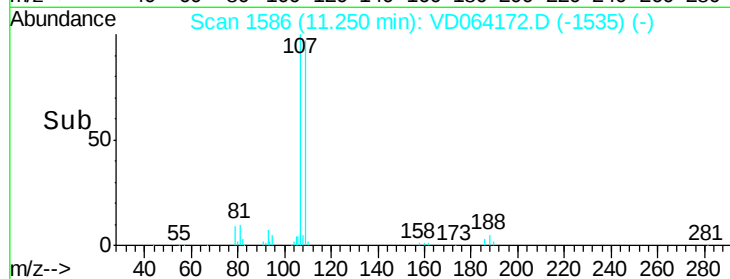
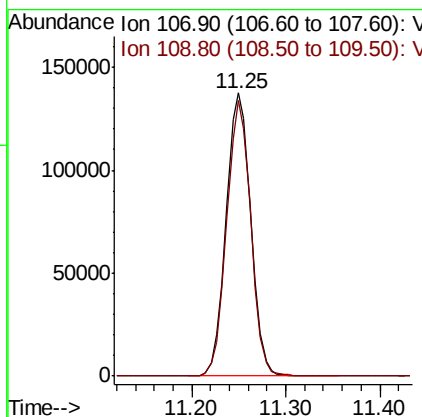
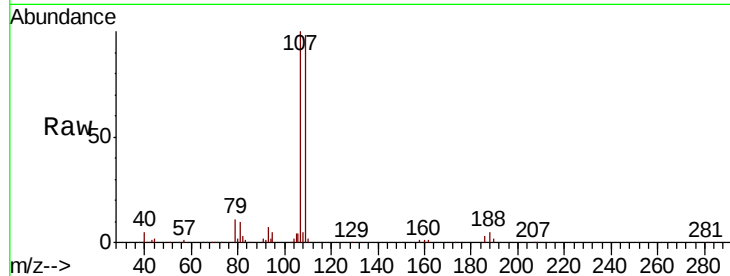
#61
 1,2-Dibromoethane
 Concen: 51.600 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.1	112.7

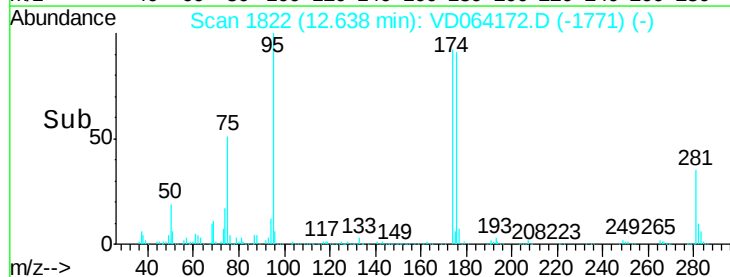
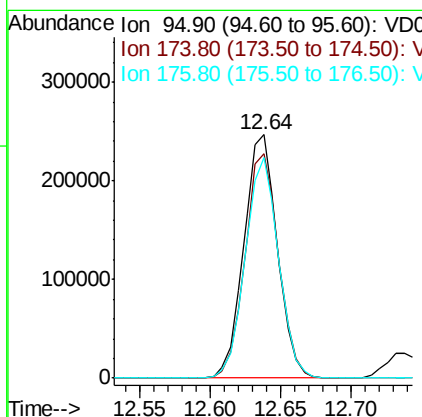
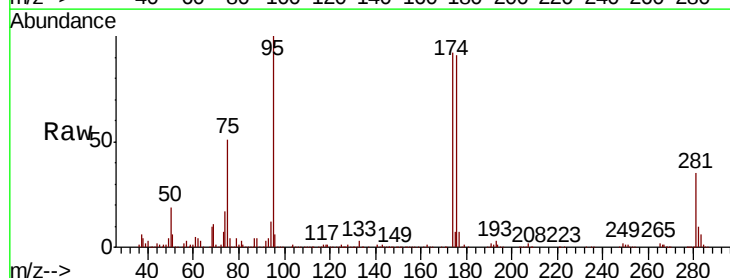
Manual Integrations
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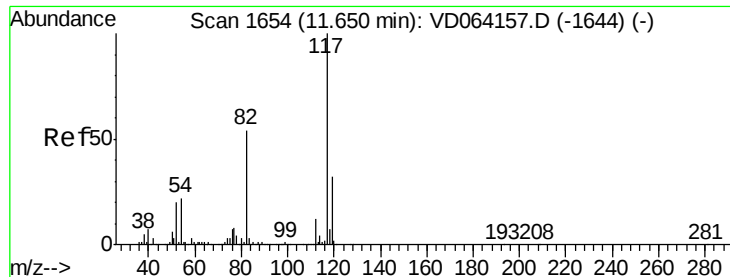
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 11/13/2019 11:06:29 AM



#62
 4-Bromofluorobenzene
 Concen: 50.428 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	0.0	183.6
176	90.1	0.0	180.2





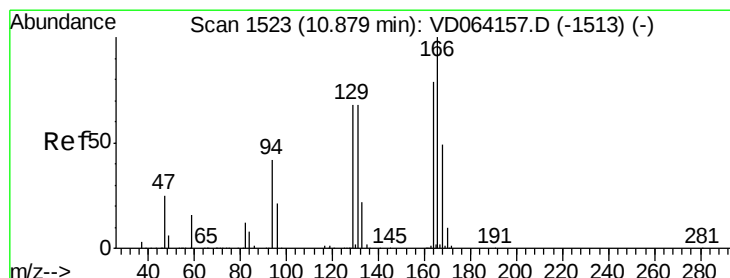
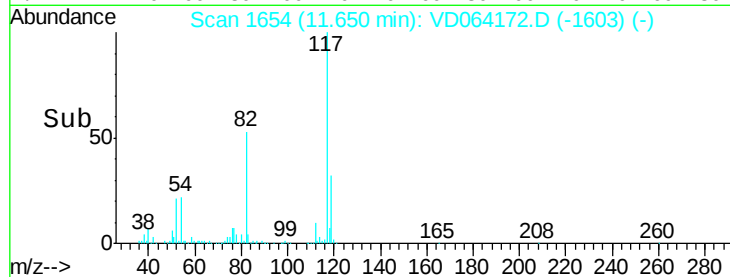
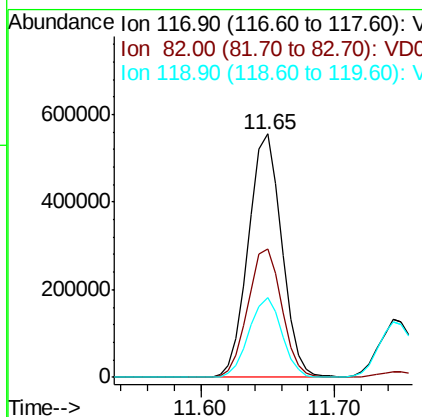
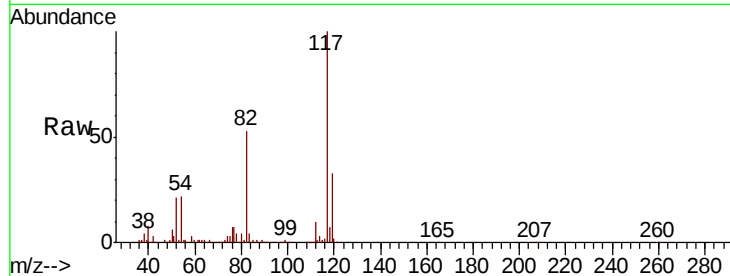
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	957556		
82	52.7		42.8	64.2
119	32.5		25.6	38.4

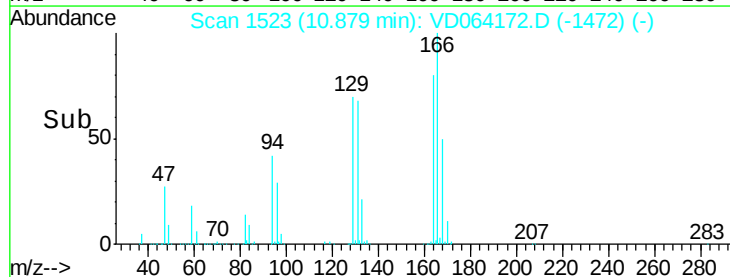
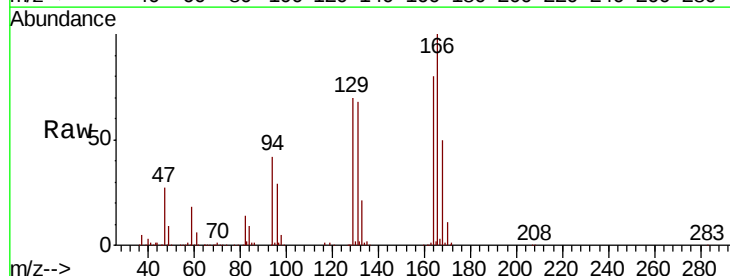
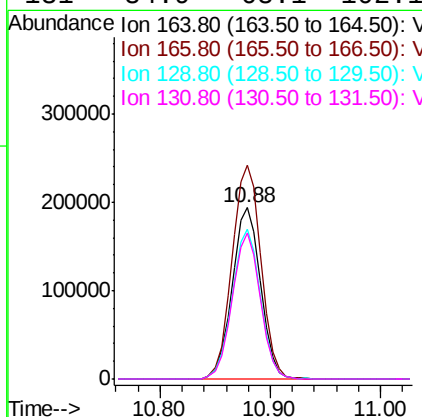
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#64
Tetrachloroethene
Concen: 47.669 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	351055		
166	124.6		100.8	151.2
129	87.1		68.7	103.1
131	84.9		68.1	102.1





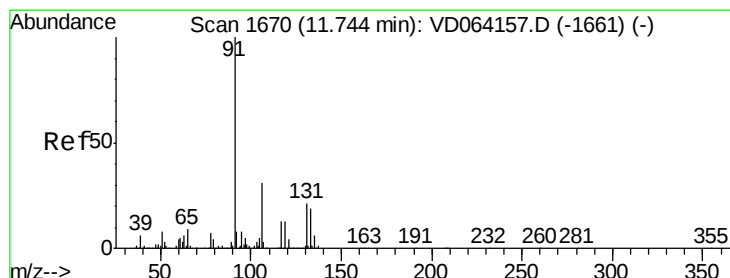
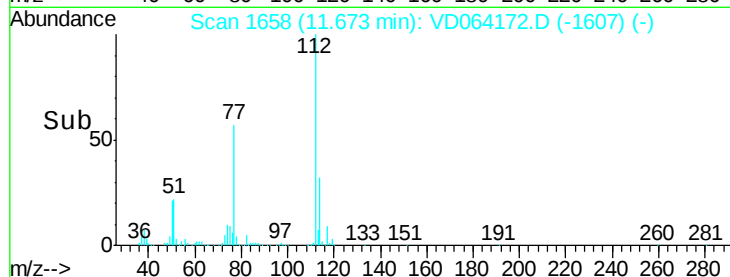
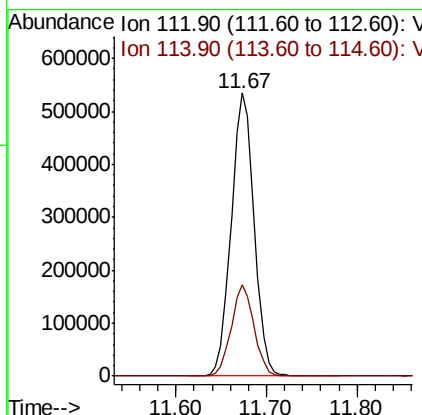
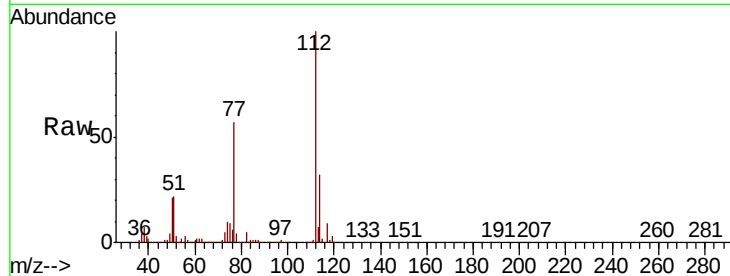
#65
Chlorobenzene
Concen: 48.291 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.2	37.8

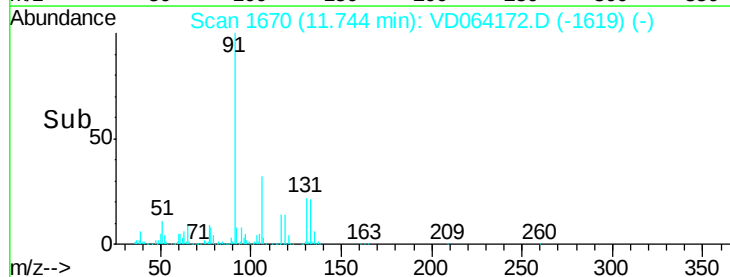
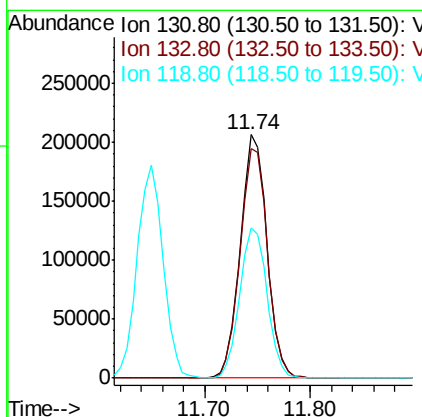
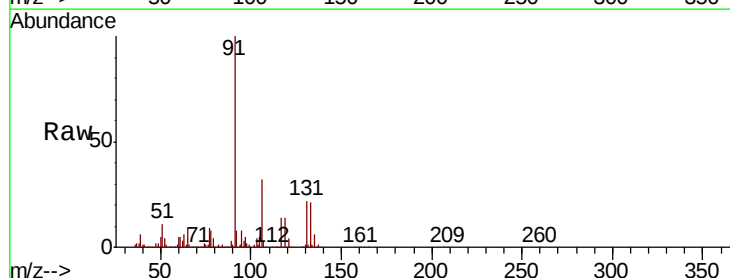
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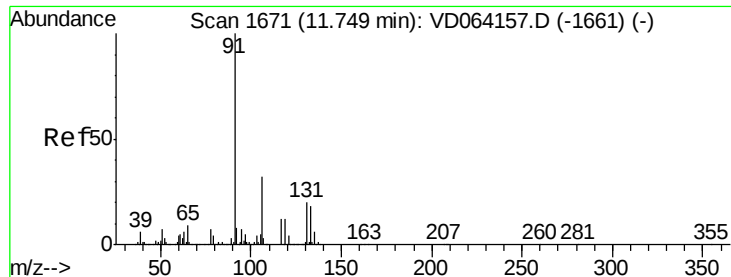
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.862 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.3	141.9
119	63.4	31.1	93.3





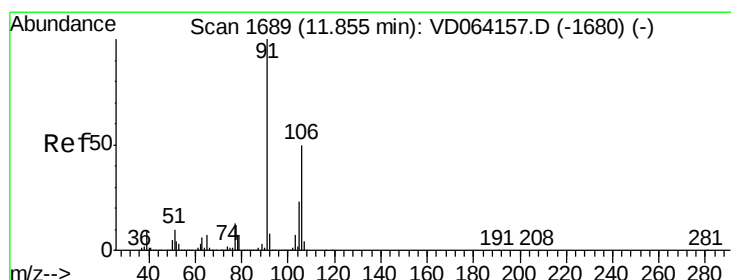
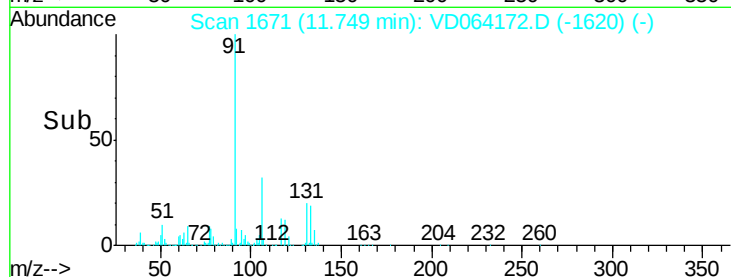
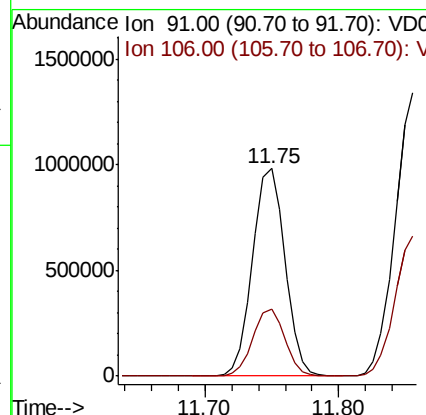
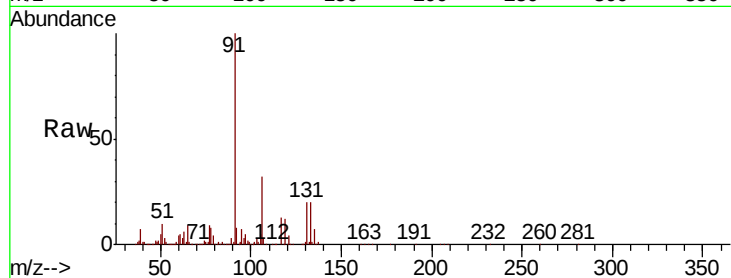
#67
Ethyl Benzene
Concen: 47.097 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1658843
Ion Ratio Lower Upper
91 100
106 32.1 25.5 38.3

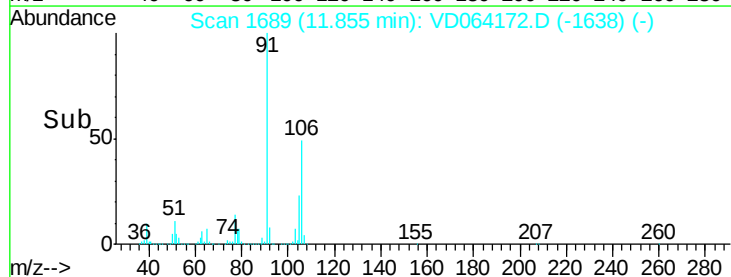
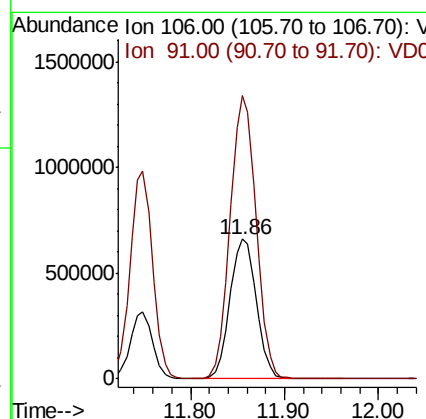
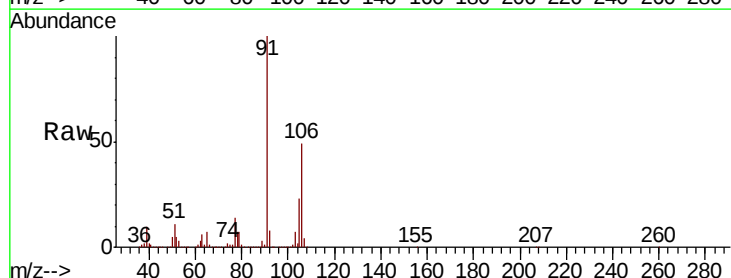
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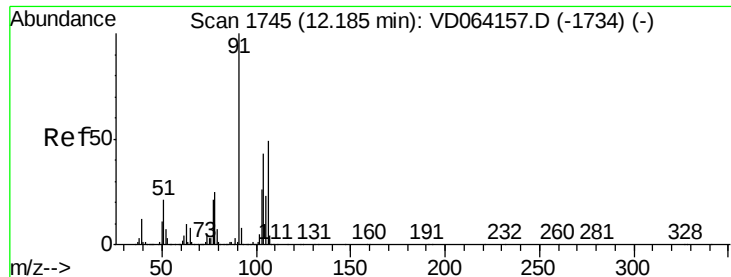
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#68
m/p-Xylenes
Concen: 95.323 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion: 106 Resp: 1286897
Ion Ratio Lower Upper
106 100
91 199.8 160.3 240.5





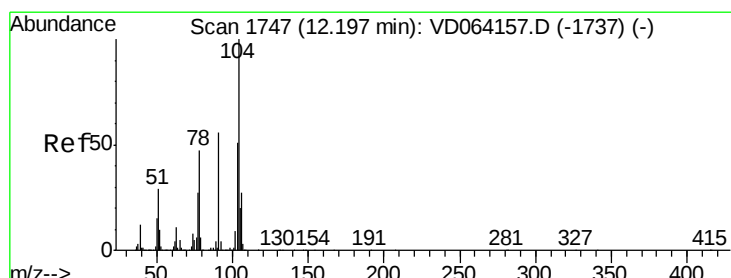
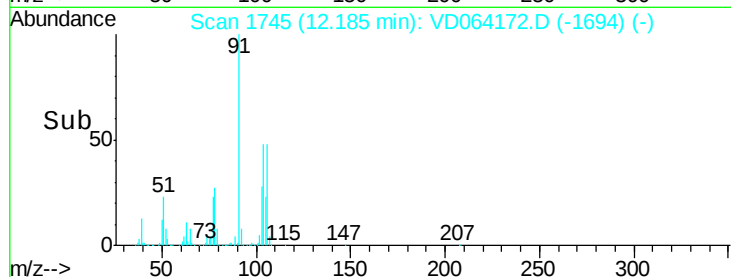
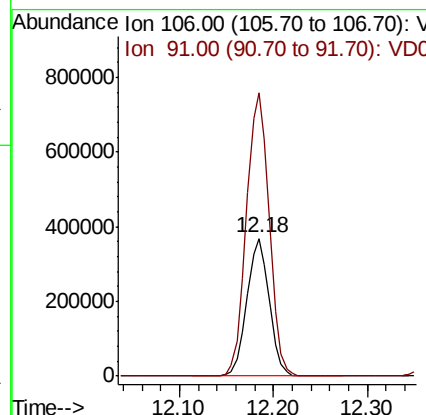
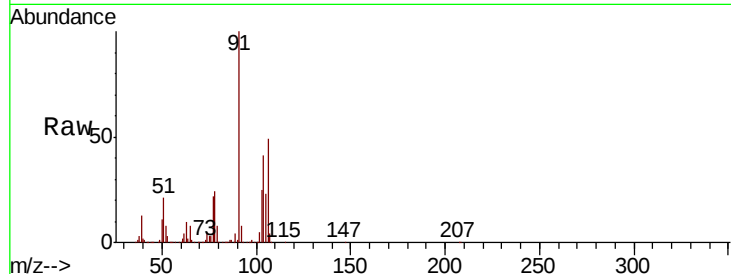
#69
o-Xylene
Concen: 48.334 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.3	105.1	315.3

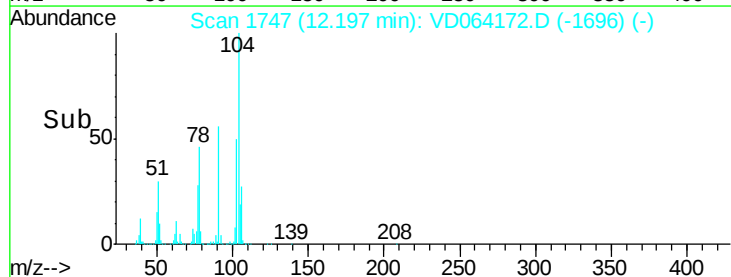
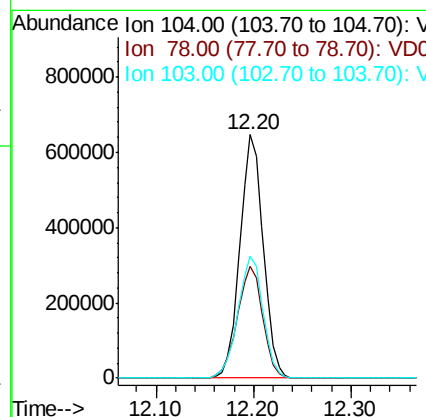
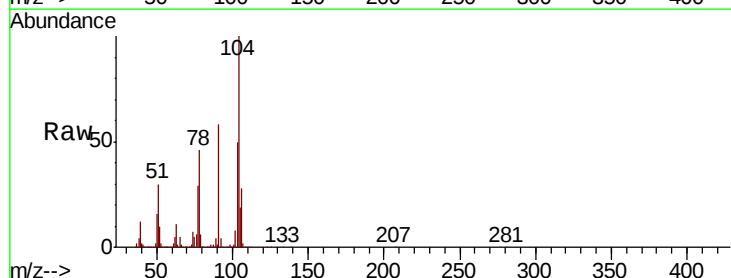
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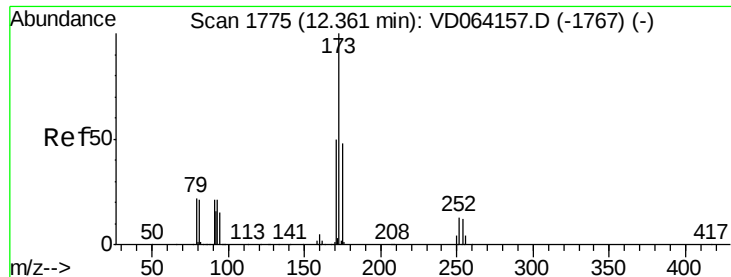
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#70
Styrene
Concen: 48.874 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.9	39.9	59.9
103	53.9	43.4	65.0





#71

Bromoform

Concen: 50.026 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

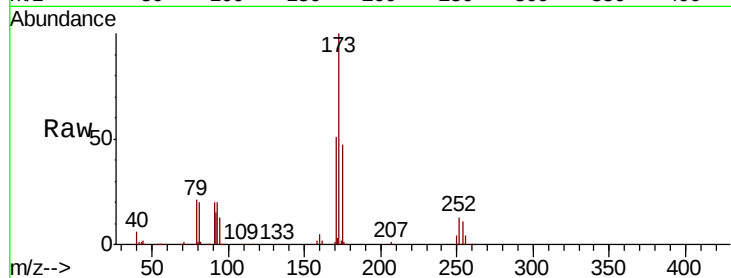
ClientSampleId :

VSTDCCC050EC

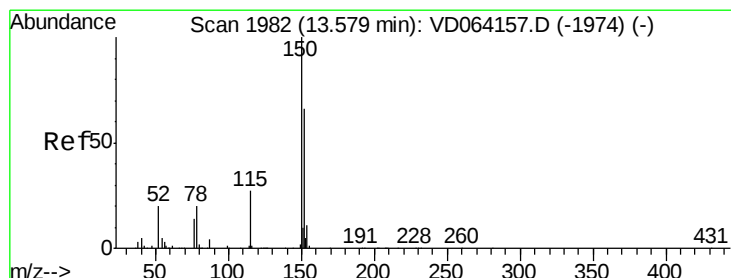
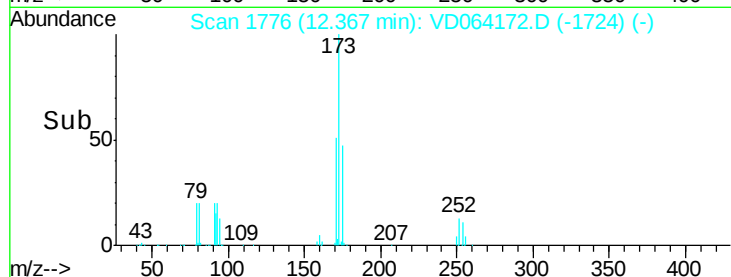
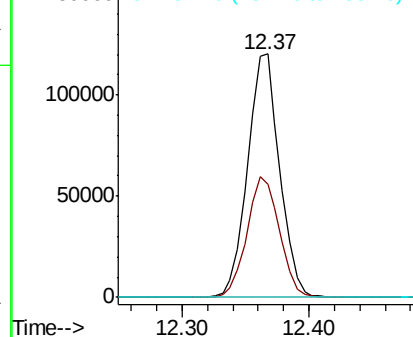
Tot Ion:	173	Resp:	210792
Ion Ratio	Lower	Upper	
173	100		
175	50.1	24.1	72.3
254	0.1	0.2	0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

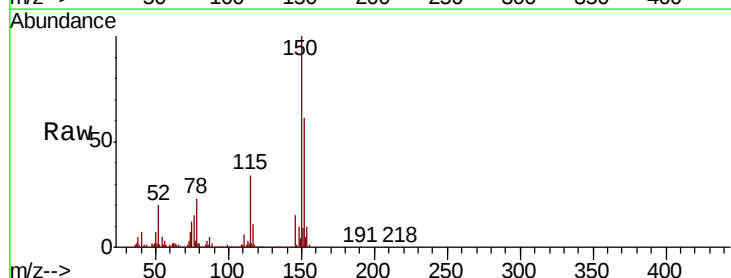
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

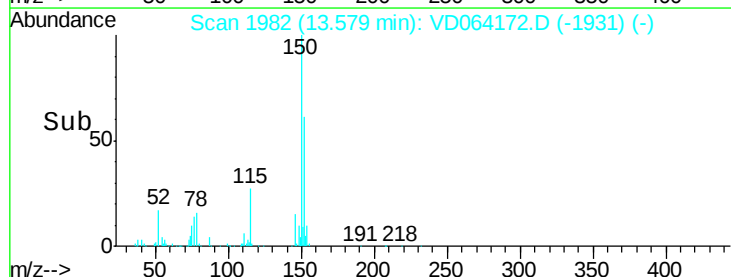
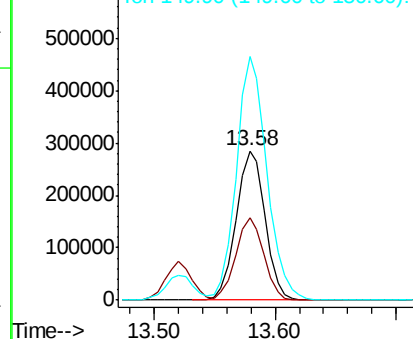
Lab File: VD064172.D

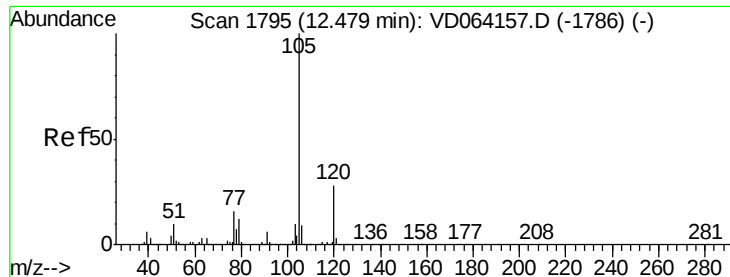
Acq: 08 Nov 2019 23:30

Tgt Ion:	152	Resp:	474318
Ion Ratio	Lower	Upper	
152	100		
115	53.5	27.4	82.2
150	172.1	0.0	351.6



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





#73

Isopropylbenzene

Concen: 45.056 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1568626

Ion Ratio Lower Upper

105 100

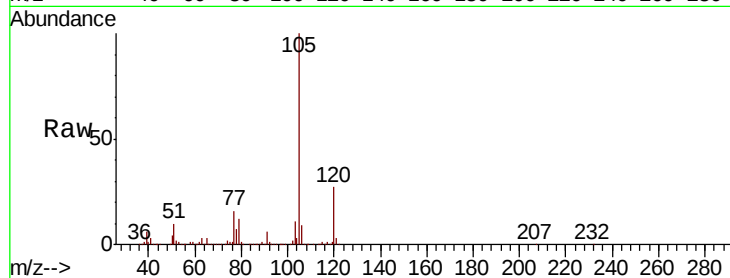
120 26.8 13.6 40.8

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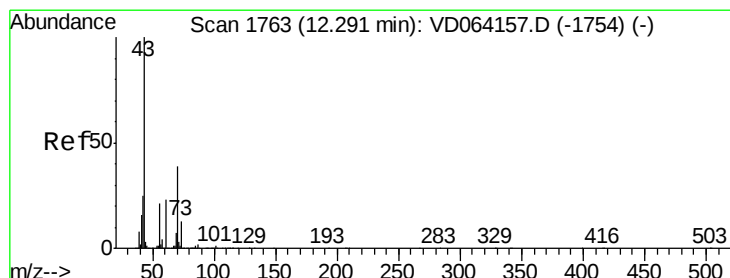
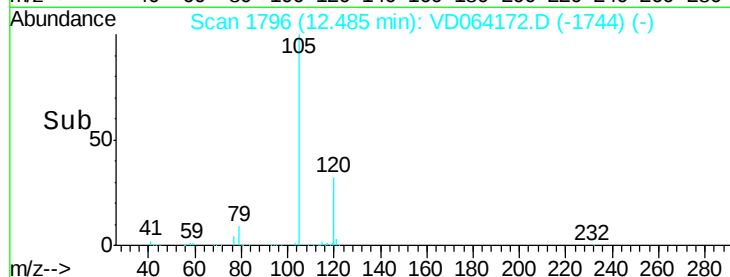
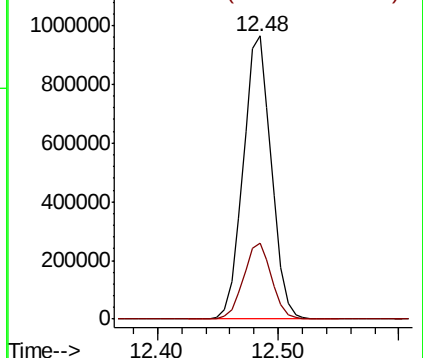
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.033 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Tgt Ion: 43 Resp: 403121

Ion Ratio Lower Upper

43 100

70 40.3 32.4 48.6

55 22.1 17.9 26.9

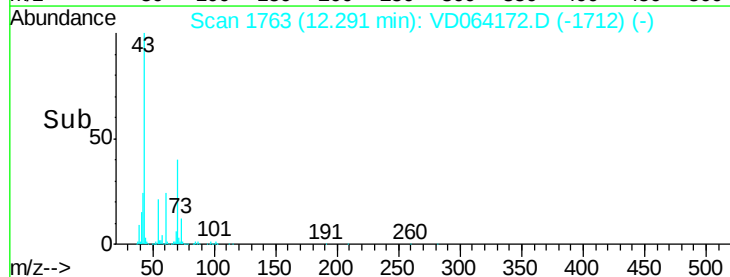
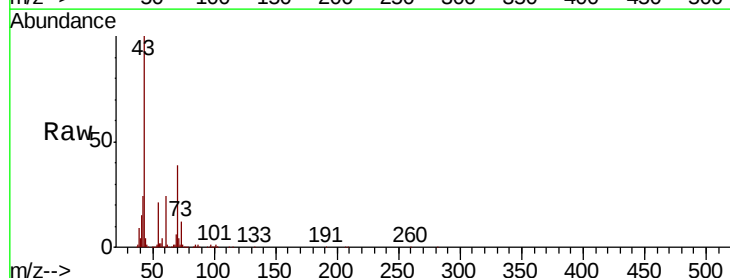
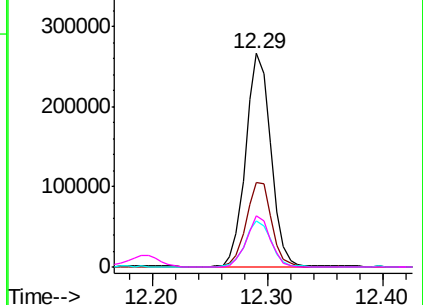
61 22.9 19.0 28.4

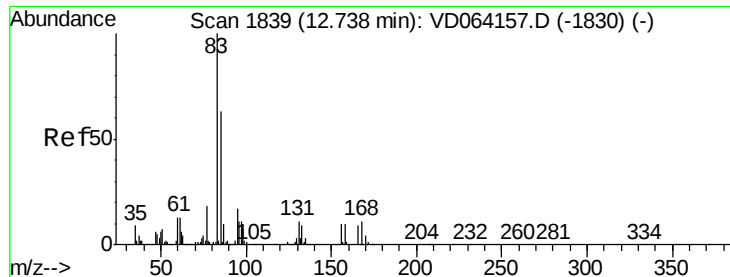
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.441 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 259366

Ion Ratio Lower Upper

83 100

131 11.6 5.9 17.7

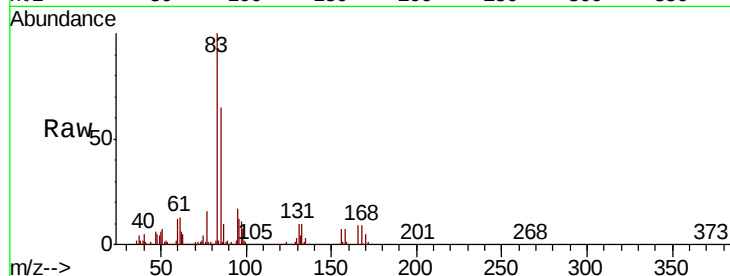
85 64.6 32.5 97.5

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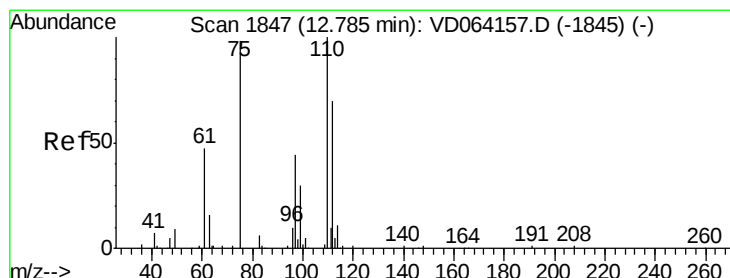
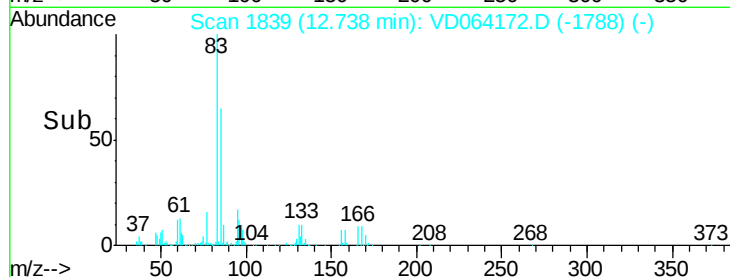
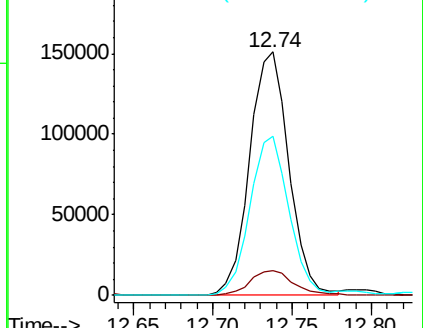
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 40.301 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064172.D

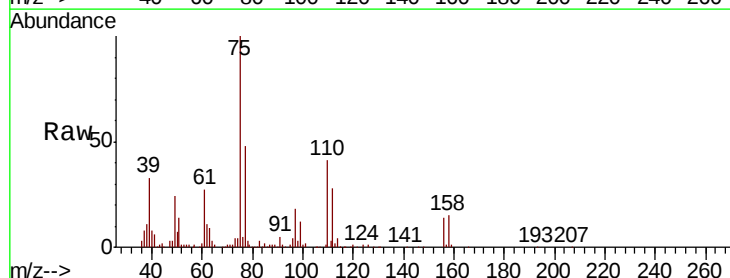
Acq: 08 Nov 2019 23:30

Tgt Ion: 75 Resp: 153970

Ion Ratio Lower Upper

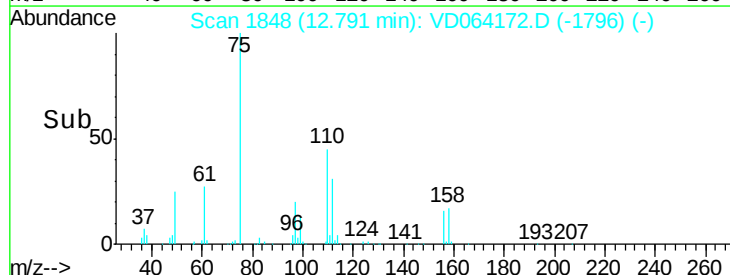
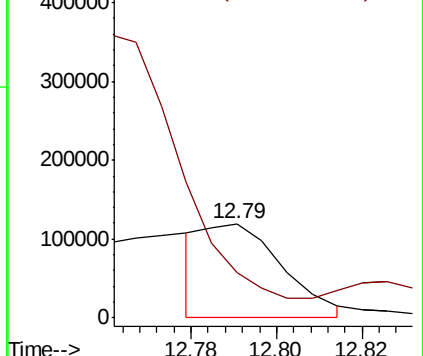
75 100

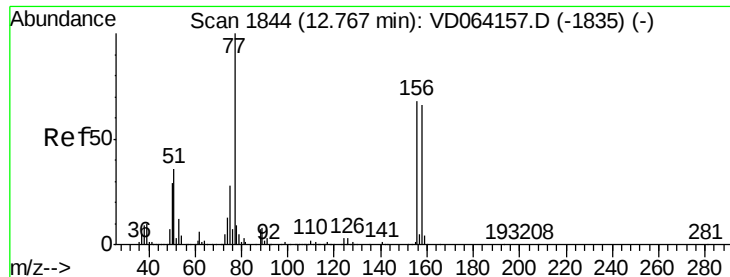
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





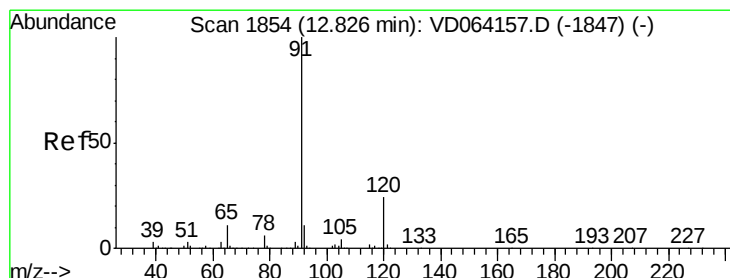
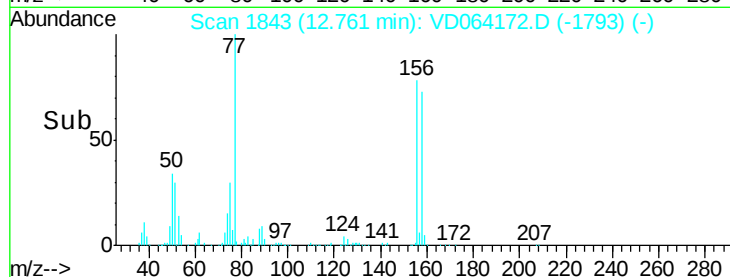
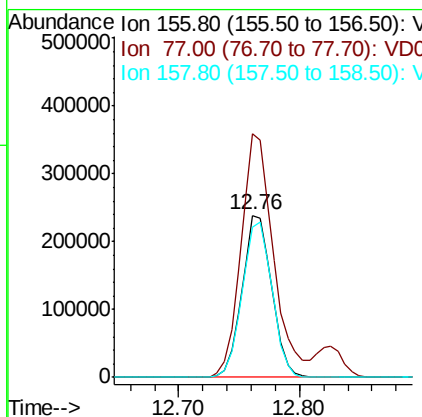
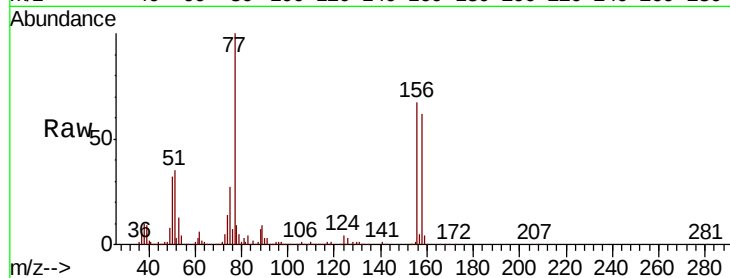
#77
Bromobenzene
Concen: 48.318 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.6	81.2	243.4
158	96.8	48.4	145.2

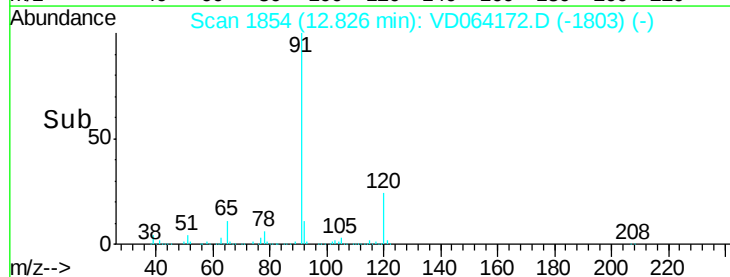
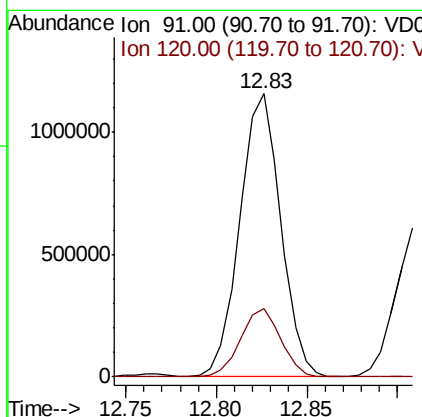
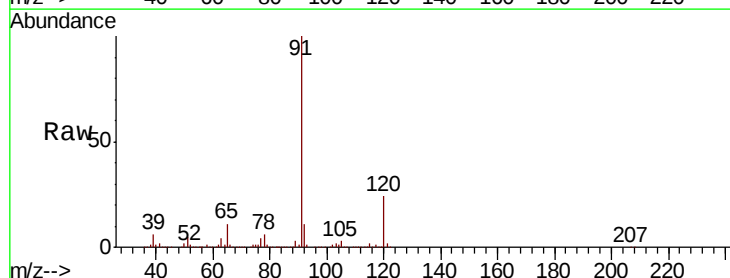
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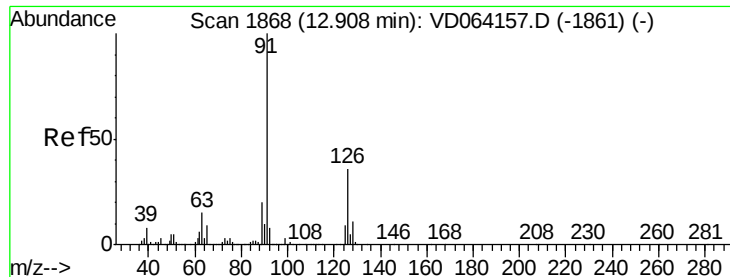
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#78
n-propylbenzene
Concen: 45.490 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.8	35.4





#79

2-Chlorotoluene

Concen: 46.788 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1050706

Ion Ratio Lower Upper

91 100

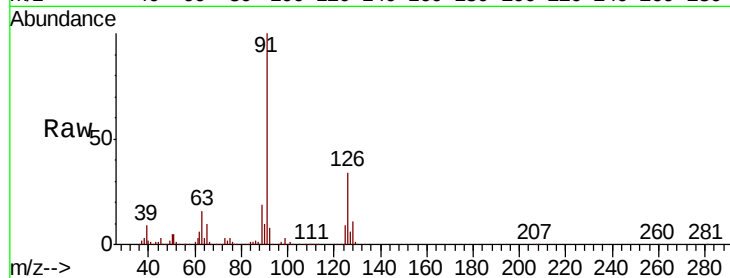
126 35.4 17.7 53.1

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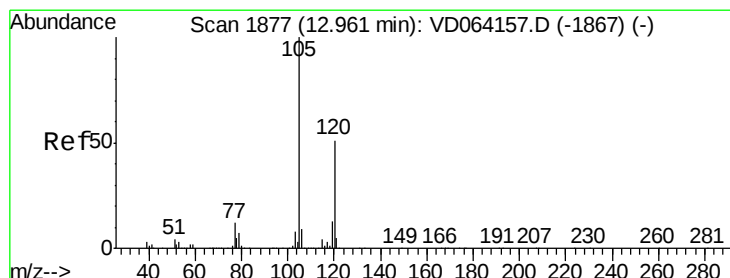
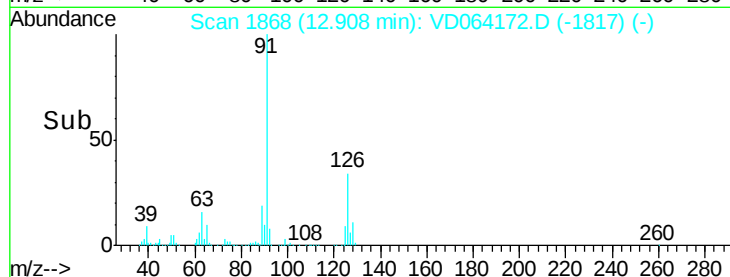
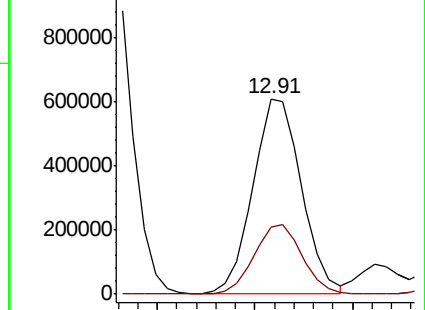
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.158 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD064172.D

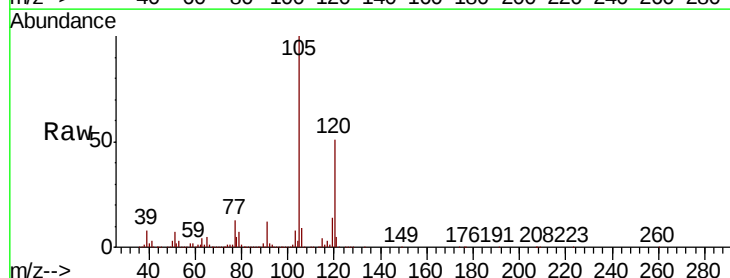
Acq: 08 Nov 2019 23:30

Tgt Ion: 105 Resp: 1320461

Ion Ratio Lower Upper

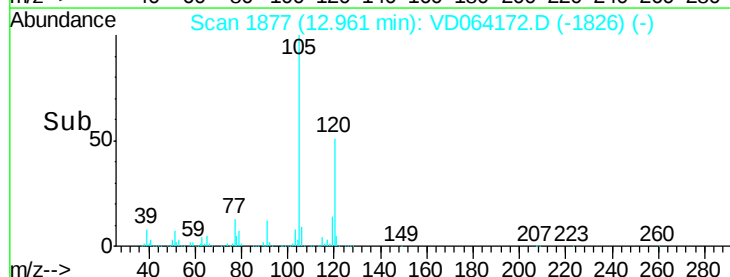
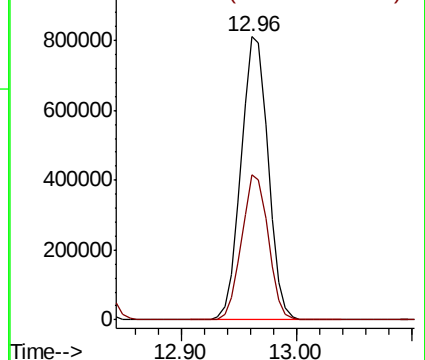
105 100

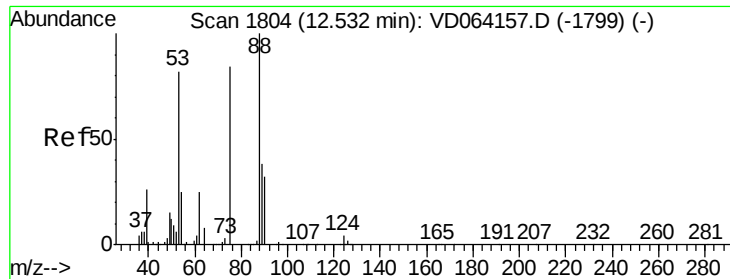
120 50.5 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.296 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 89043

Ion Ratio Lower Upper

75 100

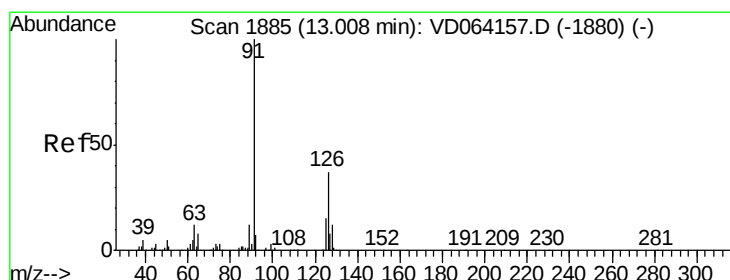
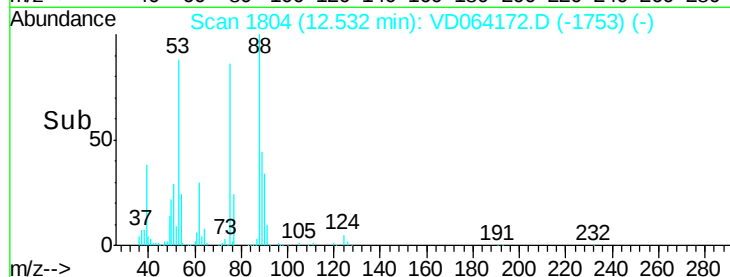
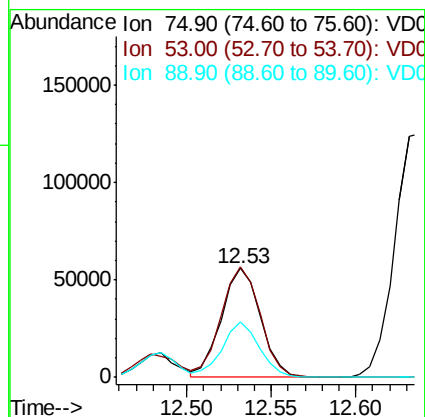
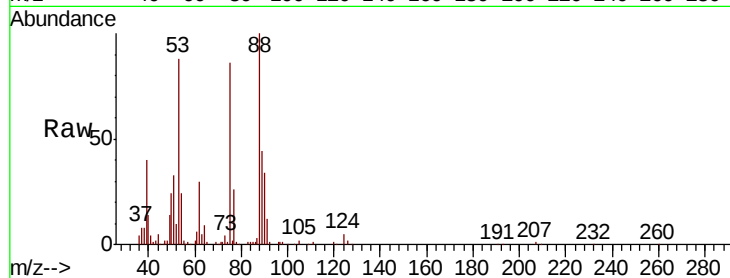
53 103.7 79.4 119.0

89 49.5 36.6 55.0

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#82

4-Chlorotoluene

Concen: 47.741 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD064172.D

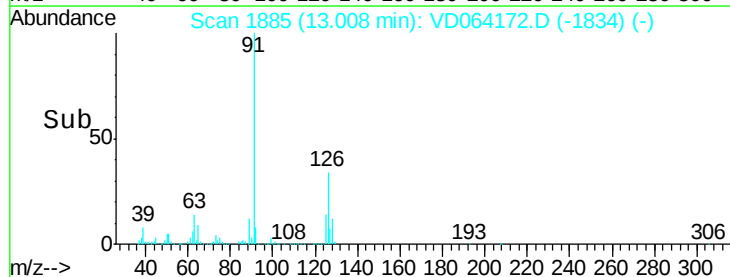
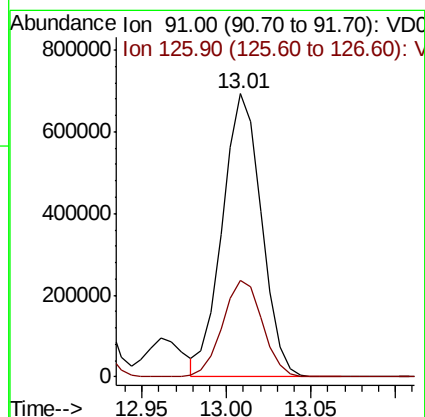
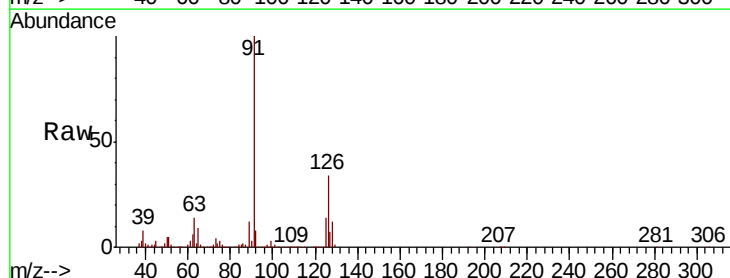
Acq: 08 Nov 2019 23:30

Tgt Ion: 91 Resp: 1118252

Ion Ratio Lower Upper

91 100

126 34.6 17.8 53.4





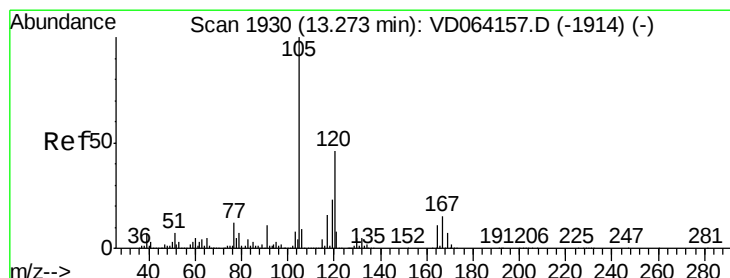
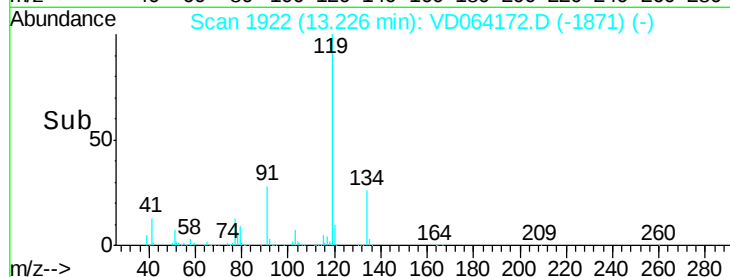
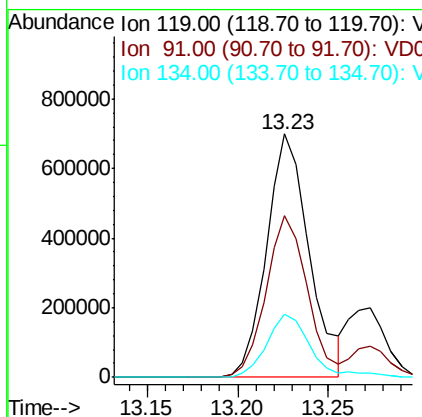
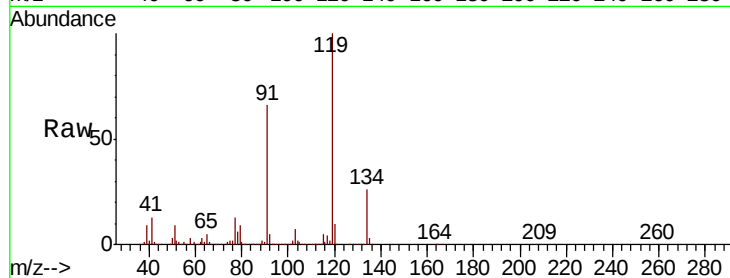
#83
tert-Butylbenzene
Concen: 45.425 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	31.8	95.4
134	27.2	13.7	41.0

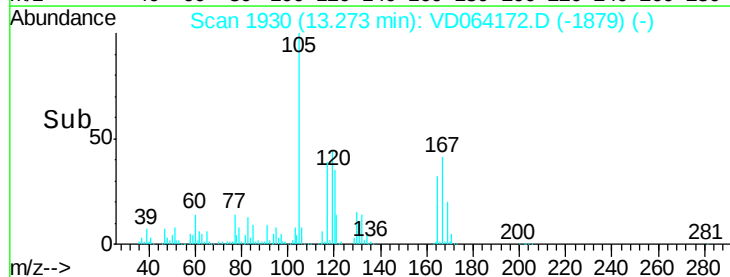
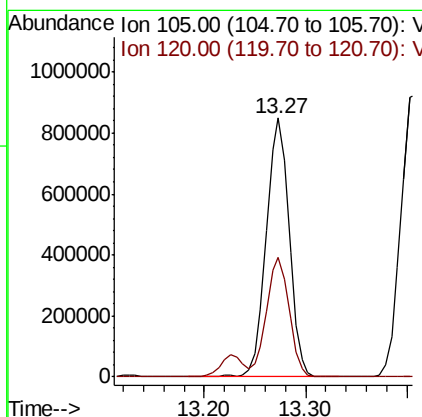
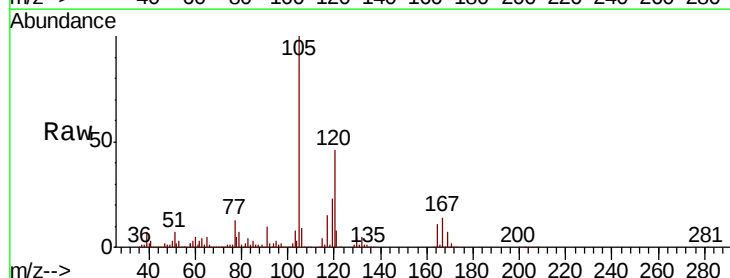
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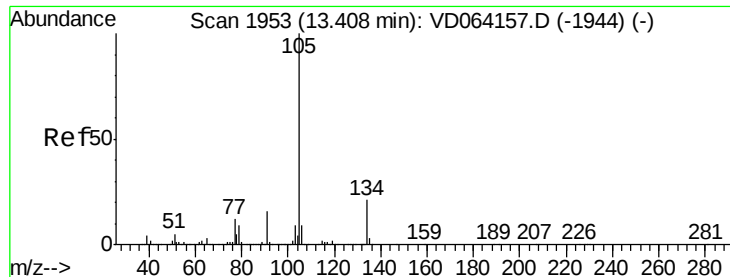
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#84
1,2,4-Trimethylbenzene
Concen: 47.341 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.3	69.8





#85

sec-Butylbenzene

Concen: 44.581 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1510416

Ion Ratio Lower Upper

105 100

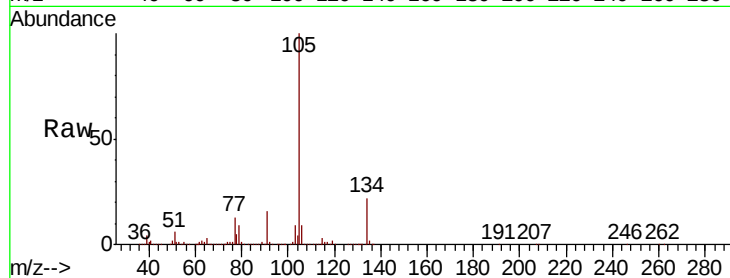
134 21.4 10.7 31.9

Manual Integrations

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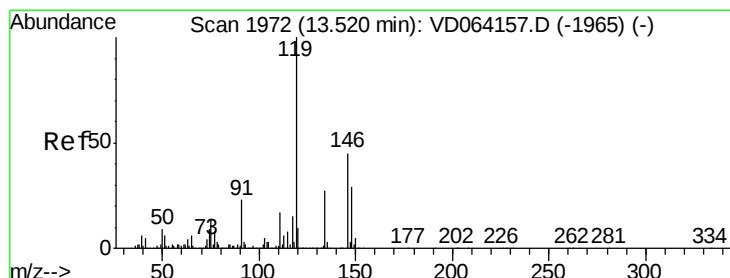
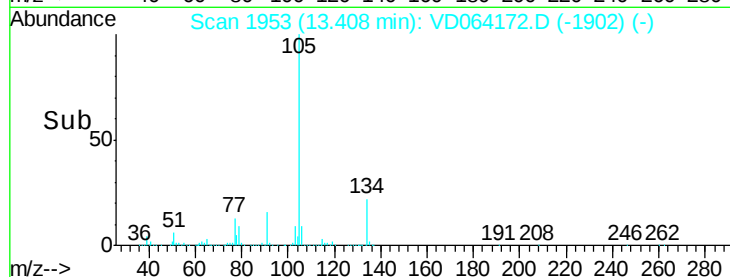
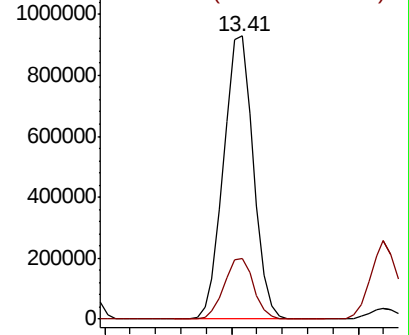
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 44.740 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064172.D

Acq: 08 Nov 2019 23:30

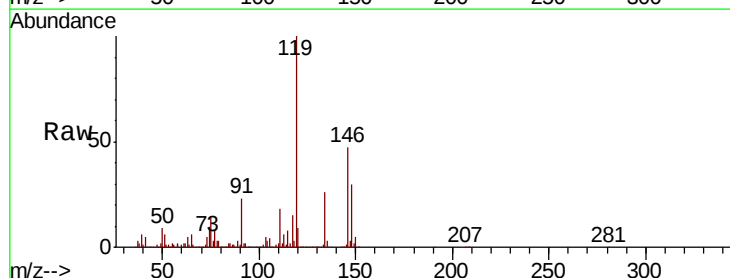
Tgt Ion:119 Resp: 1441052

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

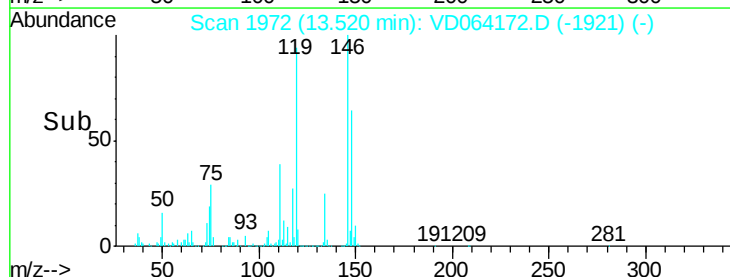
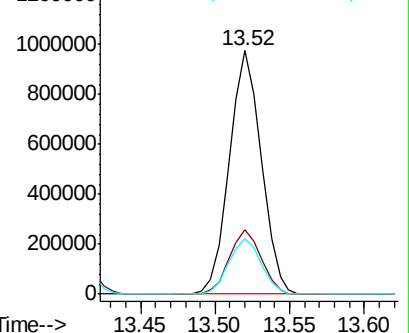
91 23.1 11.5 34.4

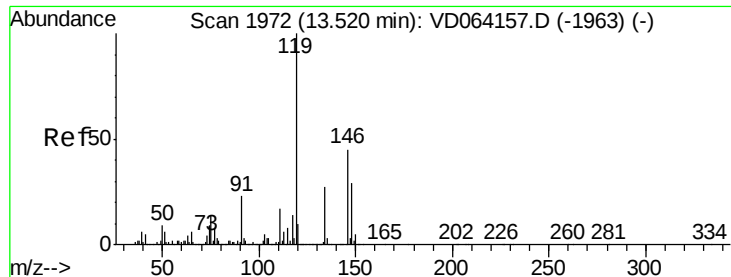


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





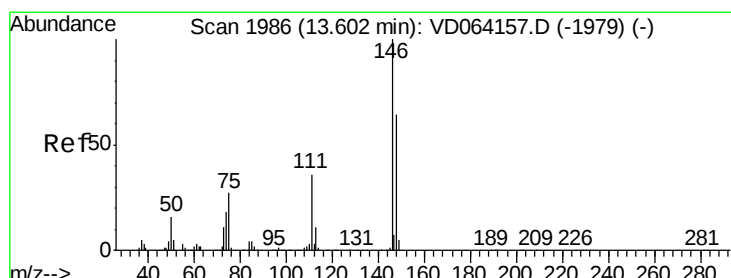
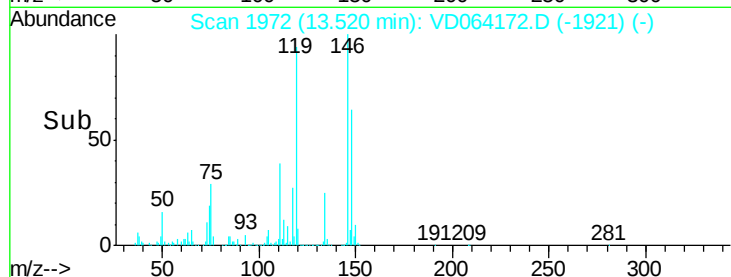
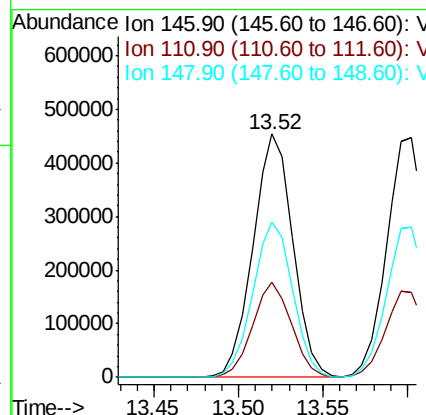
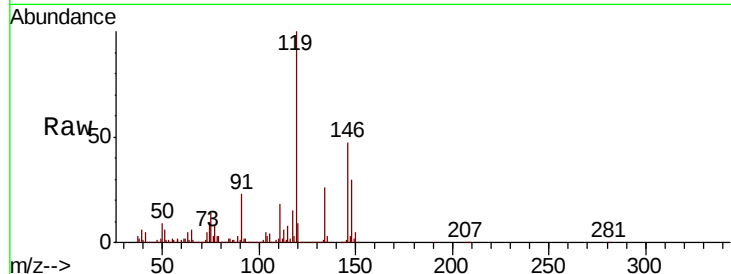
#87
 1,3-Dichlorobenzene
 Concen: 47.415 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	63.8	32.1	96.5

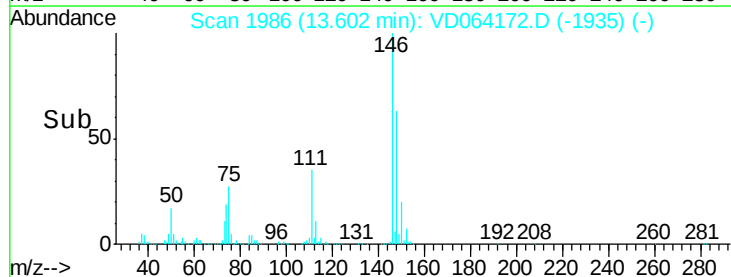
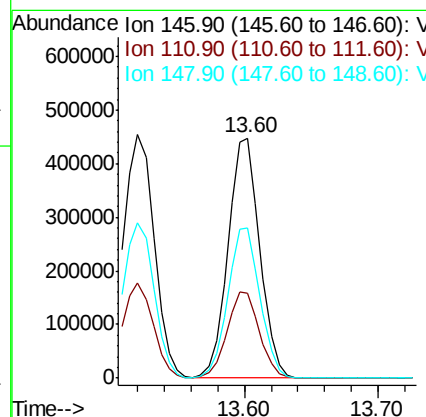
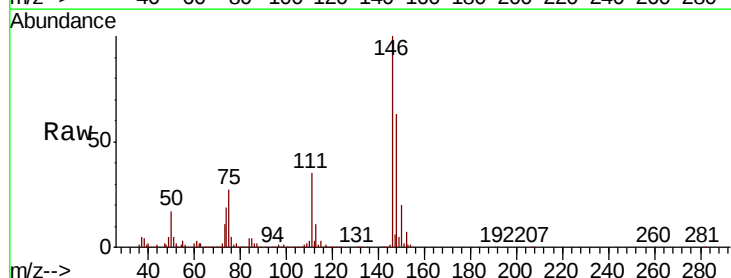
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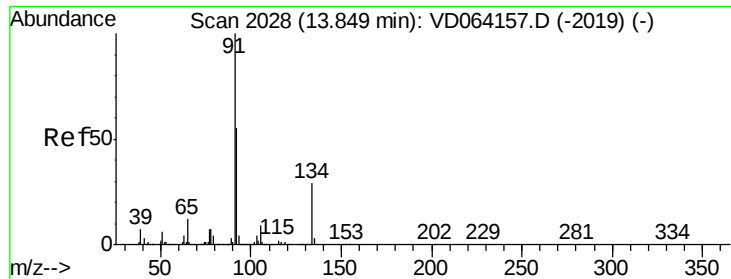
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#88
 1,4-Dichlorobenzene
 Concen: 48.523 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.4
148	63.6	31.9	95.7





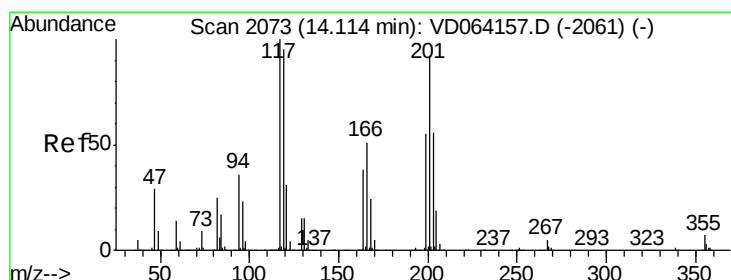
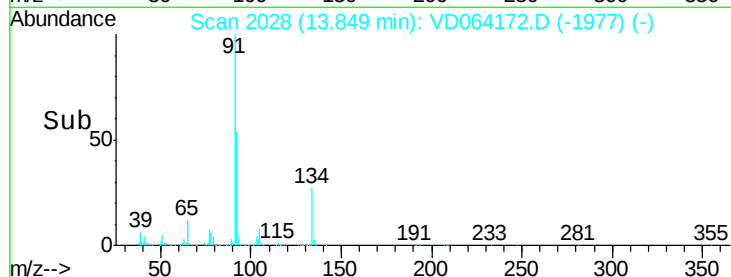
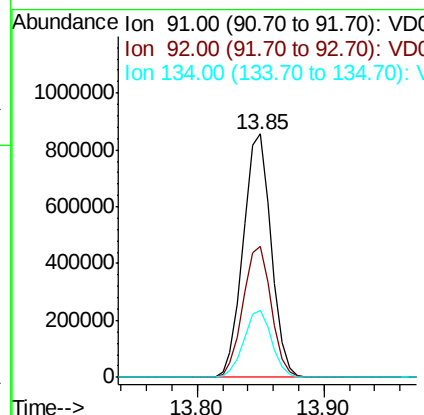
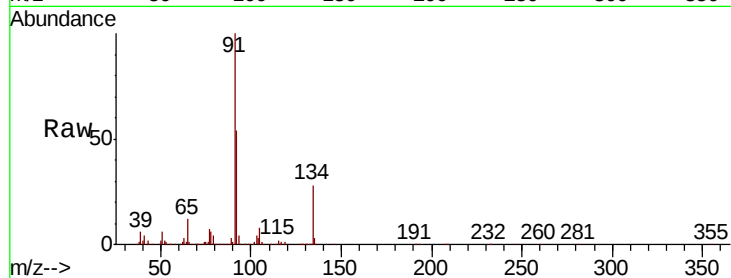
#89
n-Butylbenzene
Concen: 44.826 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1304429
Ion Ratio Lower Upper
91 100
92 54.5 27.3 81.8
134 27.7 14.1 42.4

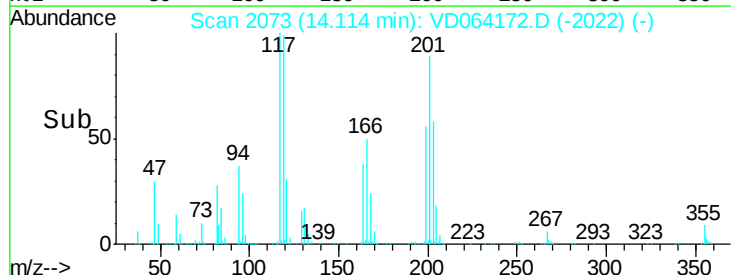
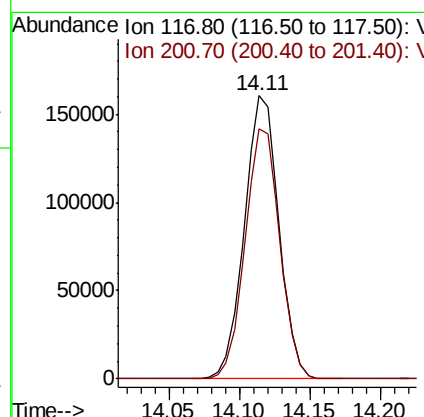
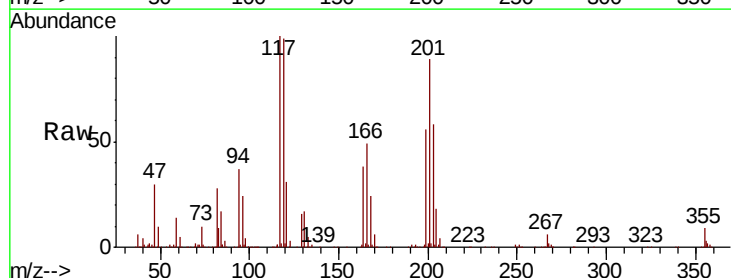
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#90
Hexachloroethane
Concen: 46.144 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion: 117 Resp: 274679
Ion Ratio Lower Upper
117 100
201 88.9 45.8 137.4





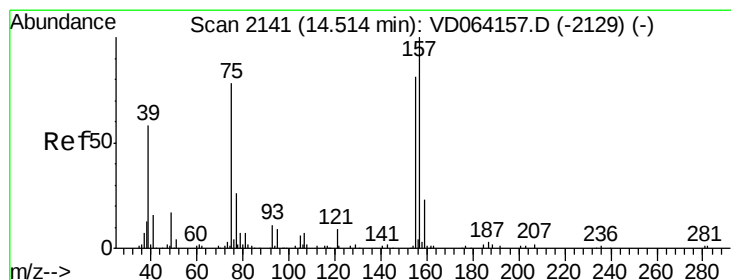
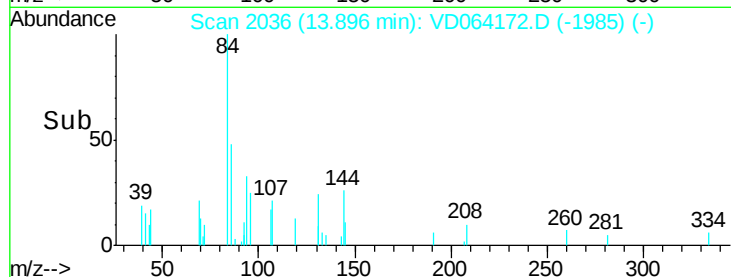
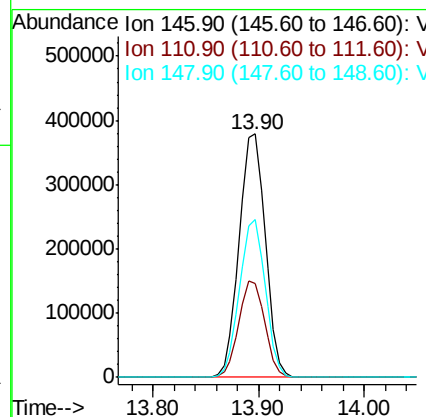
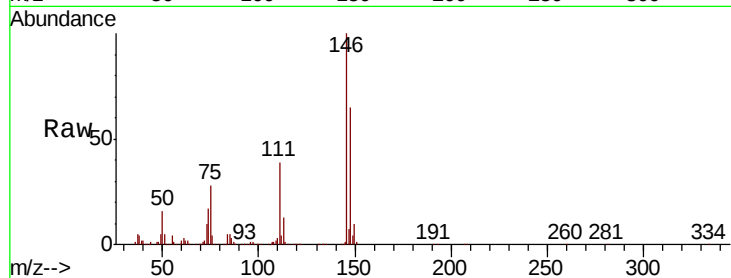
#91
 1,2-Dichlorobenzene
 Concen: 48.841 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	63.7	32.3	96.8

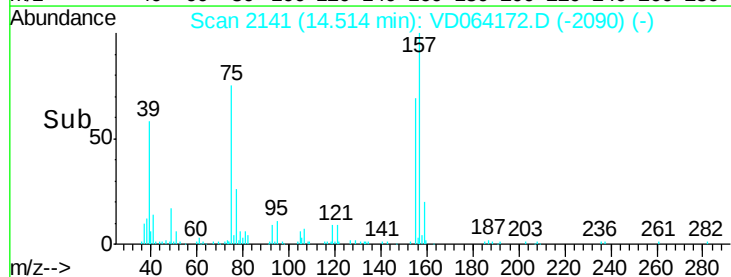
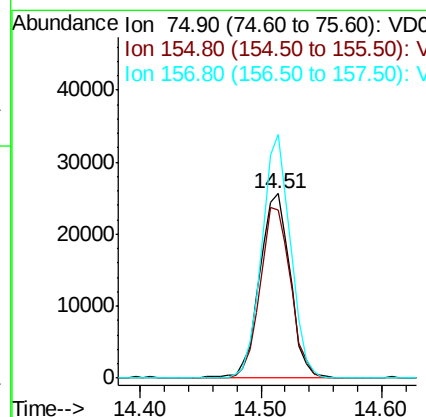
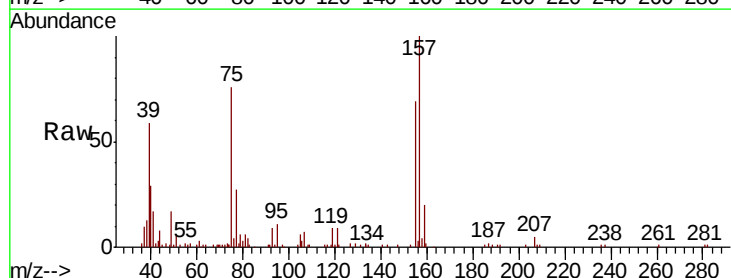
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.264 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	48.0	144.0
157	123.7	61.5	184.4





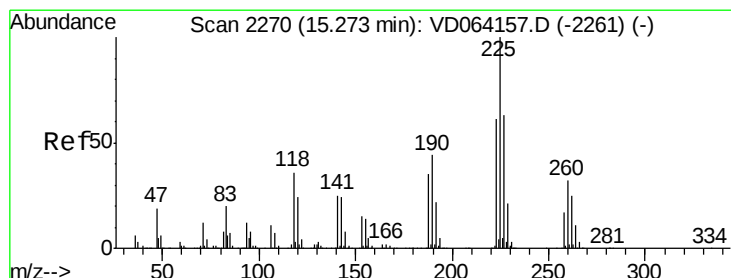
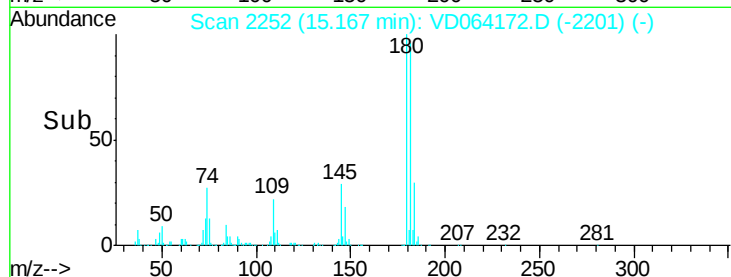
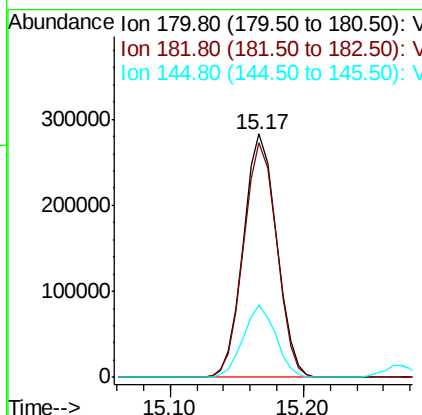
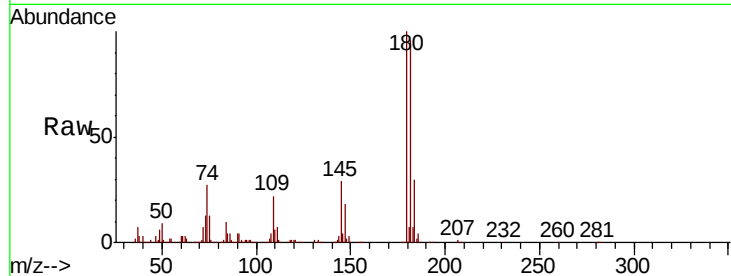
#93
 1,2,4-Trichlorobenzene
 Concen: 47.606 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	488027		
182	96.1		47.5	142.5
145	28.8		14.2	42.6

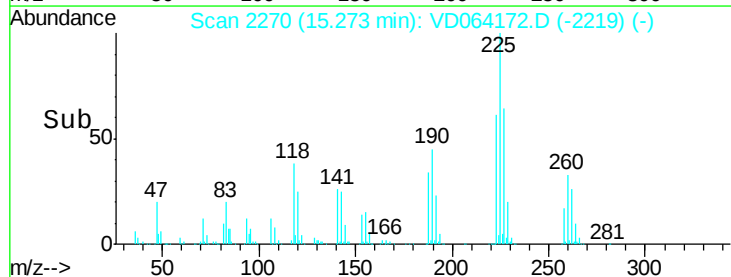
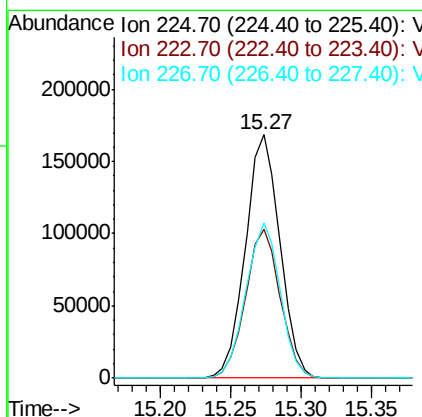
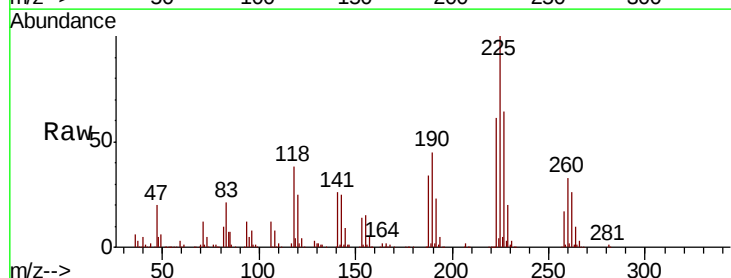
Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:06:29 AM



#94
 Hexachlorobutadiene
 Concen: 43.674 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064172.D
 Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	289179		
223	61.4		31.1	93.3
227	63.6		31.5	94.5





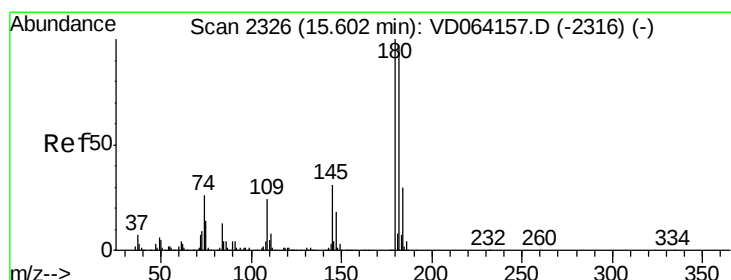
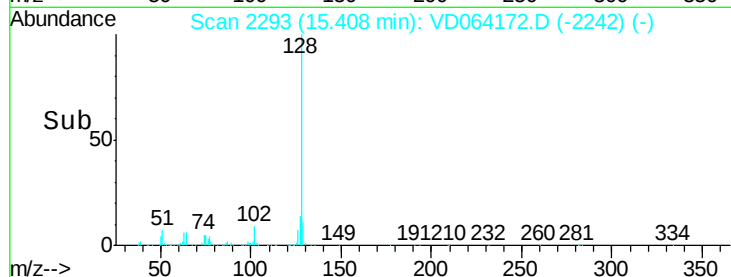
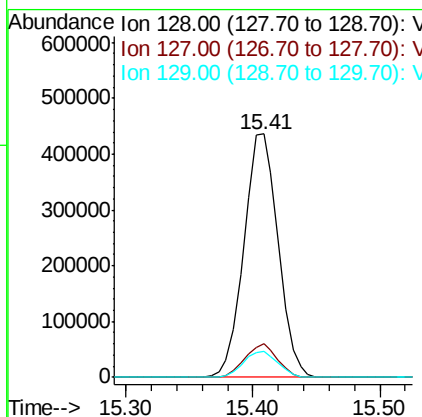
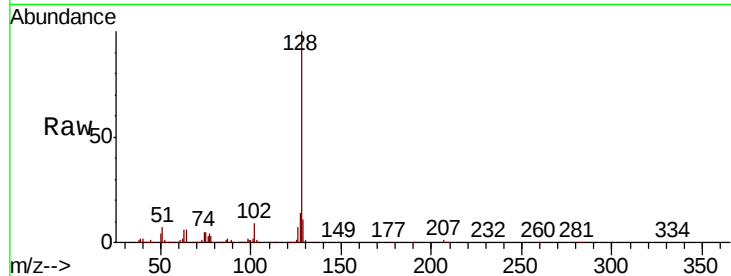
#95
Naphthalene
Concen: 48.575 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:29 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.135 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064172.D
Acq: 08 Nov 2019 23:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.3	144.9
145	29.9	15.3	45.8

