

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111419\
 Data File : VD064208.D
 Acq On : 14 Nov 2019 11:26
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:02 PM

Quant Time: Nov 15 05:57:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	712515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1001465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	847056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	408944	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	274433	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
35) Dibromofluoromethane	7.92	113	278109	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	10.34	98	1074032	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.64	95	350678	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	297132	50.281	ug/l	98
3) Chloromethane	2.21	50	337851	53.301	ug/l	100
4) Vinyl Chloride	2.35	62	394969	58.270	ug/l	100
5) Bromomethane	2.77	94	257173	60.085	ug/l	98
6) Chloroethane	2.92	64	251934	58.167	ug/l	100
7) Trichlorofluoromethane	3.27	101	645173	58.708	ug/l	98
8) Diethyl Ether	3.71	74	138842	45.948	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	322187	51.294	ug/l	98
10) Methyl Iodide	4.29	142	359402	50.120	ug/l	99
11) Tert butyl alcohol	5.25	59	91479	223.503	ug/l	95
12) 1,1-Dichloroethene	4.06	96	313098	52.296	ug/l	93
13) Acrolein	3.93	56	96426	278.483	ug/l	99
14) Allyl chloride	4.71	41	526215	49.710	ug/l	98
15) Acrylonitrile	5.43	53	291795	226.515	ug/l	99
16) Acetone	4.17	43	382870	275.795	ug/l	95
17) Carbon Disulfide	4.40	76	958270	51.395	ug/l	99
18) Methyl Acetate	4.72	43	173614	44.776	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	667536	46.704	ug/l	95
20) Methylene Chloride	4.96	84	315777	45.031	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	347361	51.209	ug/l	95
22) Diisopropyl ether	6.37	45	953515	48.547	ug/l	97
23) Vinyl Acetate	6.31	43	2658105	242.785	ug/l	100
24) 1,1-Dichloroethane	6.26	63	588231	51.580	ug/l	98
25) 2-Butanone	7.22	43	413035	230.291	ug/l	99
26) 2,2-Dichloropropane	7.21	77	564281	50.455	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	365245	50.211	ug/l	98
28) Bromochloromethane	7.55	49	211629	53.302	ug/l	99
29) Tetrahydrofuran	7.57	42	236140	219.137	ug/l	99
30) Chloroform	7.71	83	600107	51.444	ug/l	99
31) Cyclohexane	7.98	56	559714	48.665	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	578258	51.770	ug/l	99
36) 1,1-Dichloropropene	8.11	75	471205	50.981	ug/l	100
37) Ethyl Acetate	7.30	43	170641	43.794	ug/l	98
38) Carbon Tetrachloride	8.09	117	521280	52.709	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	597745	51.110	ug/l	97
40) Benzene	8.35	78	1273534	50.416	ug/l	96
41) Methacrylonitrile	7.53	41	123199	50.305	ug/l	94
42) 1,2-Dichloroethane	8.43	62	367433	48.431	ug/l	100
43) Isopropyl Acetate	8.46	43	353796	44.068	ug/l	98
44) Trichloroethene	9.11	130	389137	51.327	ug/l	99
45) 1,2-Dichloropropane	9.39	63	305481	49.685	ug/l	99
46) Dibromomethane	9.48	93	156660	47.595	ug/l	99
47) Bromodichloromethane	9.66	83	438955	49.509	ug/l	97
48) Methyl methacrylate	9.46	41	168264	42.862	ug/l	98
49) 1,4-Dioxane	9.47	88	35712	903.387	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	842891	218.936	ug/l	99
52) Toluene	10.40	92	838039	50.453	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	423144	47.638	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	507944	49.005	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	215474	48.256	ug/l	93
56) Ethyl methacrylate	10.66	69	281178	45.015	ug/l	96
57) 1,3-Dichloropropane	10.95	76	368198	47.282	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	562875	222.463	ug/l	100
59) 2-Hexanone	10.99	43	628788	229.567	ug/l	99
60) Dibromochloromethane	11.14	129	298876	47.969	ug/l	100
61) 1,2-Dibromoethane	11.25	107	210973	47.173	ug/l	100
64) Tetrachloroethene	10.88	164	332119	50.980	ug/l	97
65) Chlorobenzene	11.67	112	869283	50.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	324883	49.603	ug/l	99
67) Ethyl Benzene	11.75	91	1614171	51.808	ug/l	98
68) m/p-Xylenes	11.86	106	1221666	102.295	ug/l	100
69) o-Xylene	12.18	106	560251	50.583	ug/l	100
70) Styrene	12.20	104	953585	49.322	ug/l	98
71) Bromoform	12.36	173	176817	47.437	ug/l	98
73) Isopropylbenzene	12.48	105	1550711	51.662	ug/l	100
74) N-amyl acetate	12.29	43	322457	45.492	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	219741	48.584	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	132016m	40.079	ug/l	
77) Bromobenzene	12.77	156	356551	48.894	ug/l	100
78) n-propylbenzene	12.83	91	1775951	51.786	ug/l	99
79) 2-Chlorotoluene	12.91	91	972589	50.232	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1270415	51.508	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	76343	46.038	ug/l	98
82) 4-Chlorotoluene	13.01	91	1015606	50.291	ug/l	100
83) tert-Butylbenzene	13.23	119	1122921	51.632	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1244730	51.118	ug/l	99
85) sec-Butylbenzene	13.41	105	1513708	51.821	ug/l	100
86) p-Isopropyltoluene	13.52	119	1416360	51.003	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	683062	50.461	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	668951	50.634	ug/l	100
89) n-Butylbenzene	13.85	91	1293344	51.550	ug/l	99
90) Hexachloroethane	14.11	117	265979	51.825	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	572081	49.931	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	34857	43.104	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	433997	49.103	ug/l	99
94) Hexachlorobutadiene	15.27	225	289593	50.728	ug/l	98
95) Naphthalene	15.41	128	677201	46.741	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	361866	48.166	ug/l	99

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

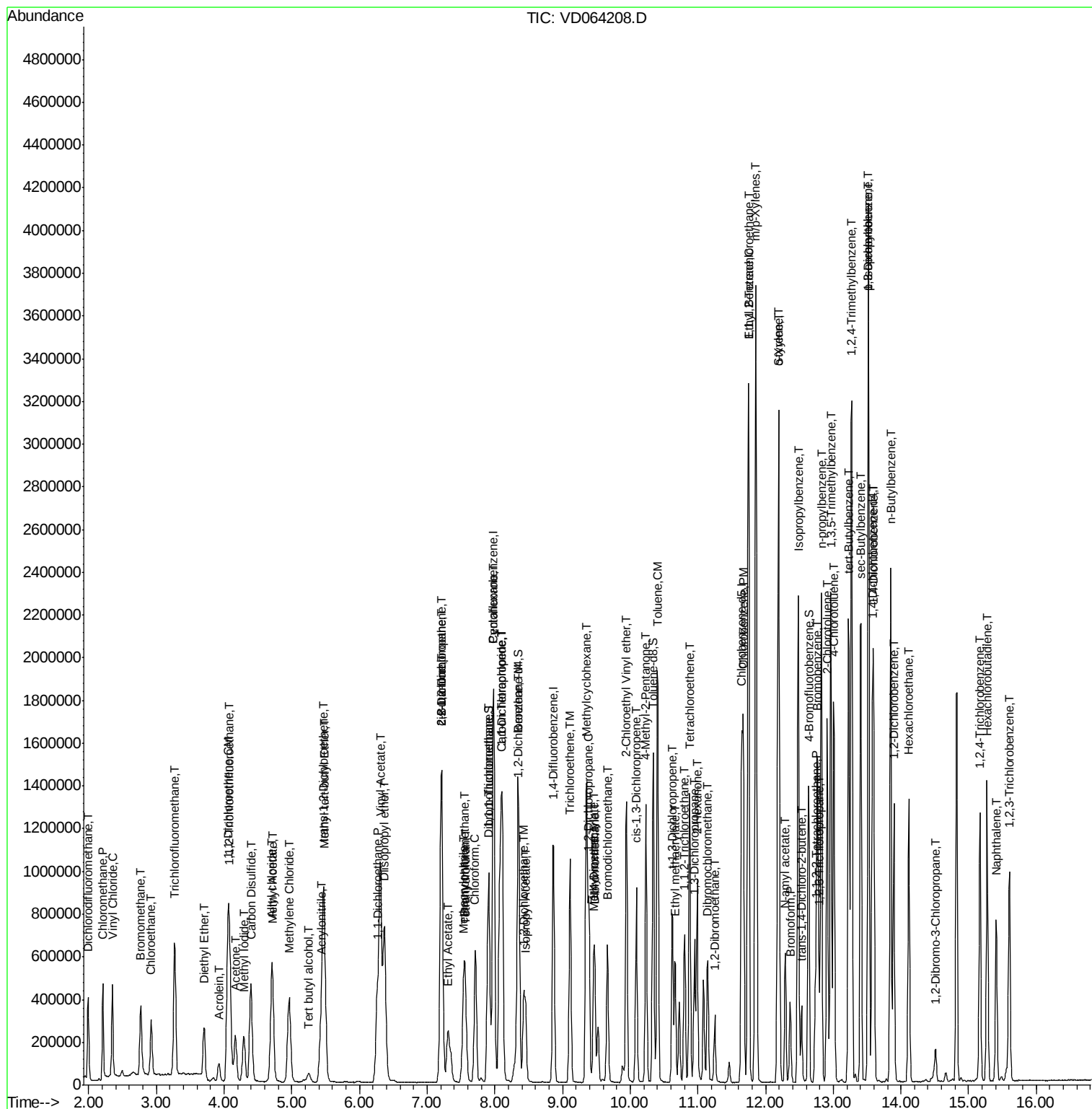
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111419\
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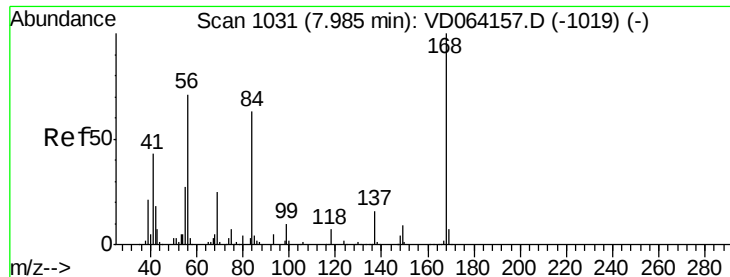
Instrument :
 MSVOA_D
 ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 712515

Ion Ratio Lower Upper

168 100

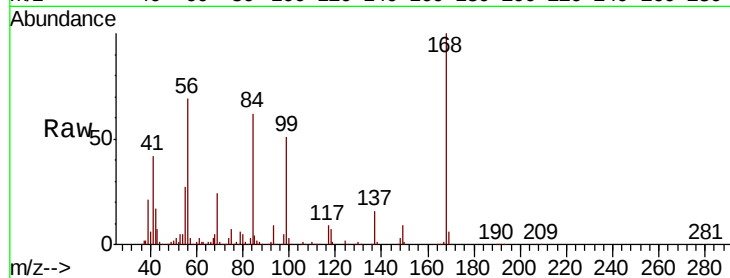
99 50.6 41.6 62.4

Manual Integrations

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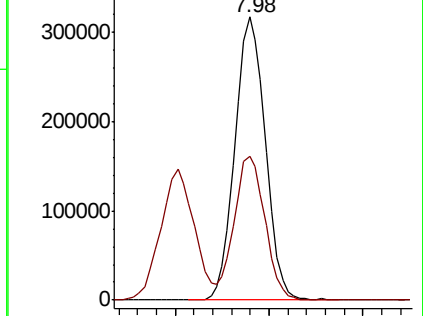
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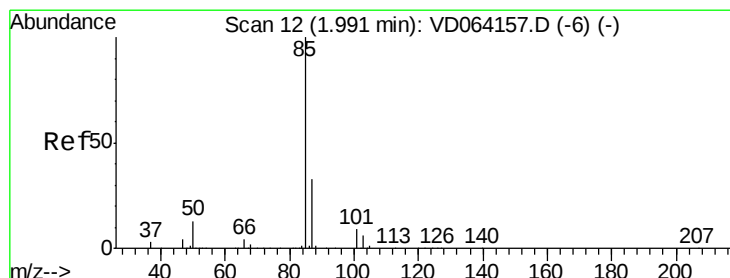
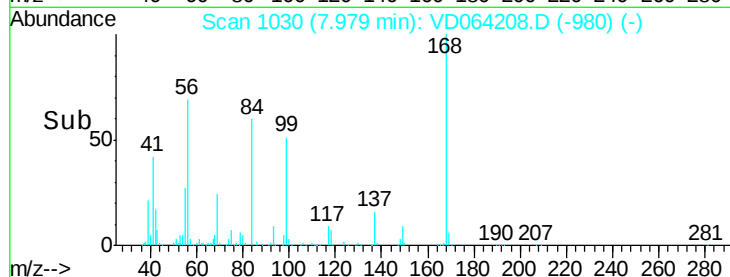


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#2

Dichlorodifluoromethane

Concen: 50.281 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064208.D

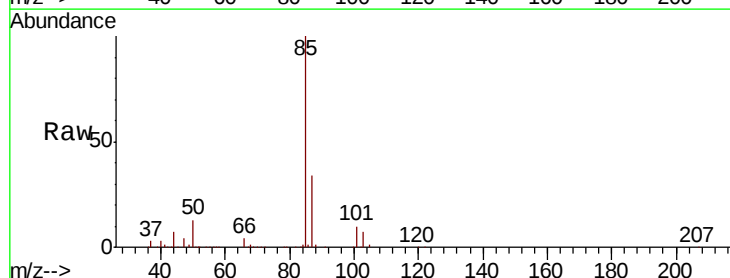
Acq: 14 Nov 2019 11:26

Tgt Ion: 85 Resp: 297132

Ion Ratio Lower Upper

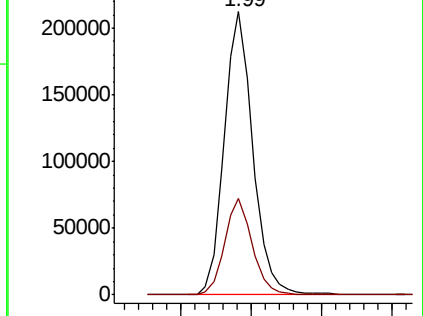
85 100

87 34.1 16.4 49.2

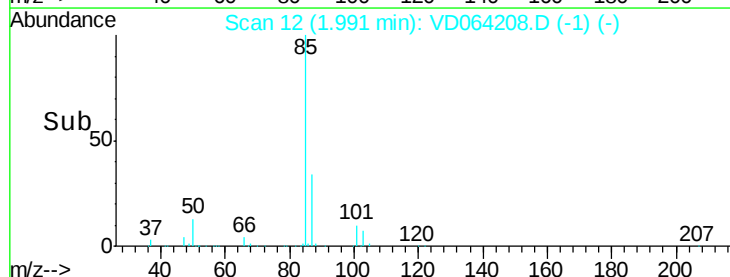


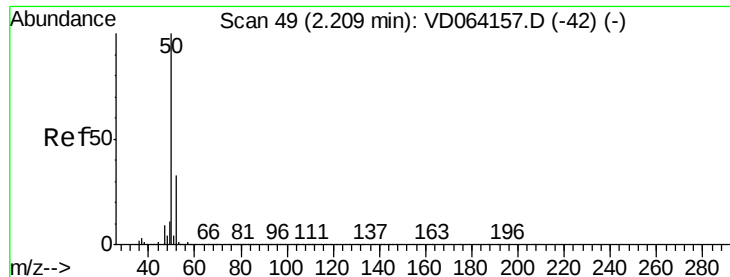
Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



Time-->





#3

Chloromethane

Concen: 53.301 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 337851

Ion Ratio Lower Upper

50 100

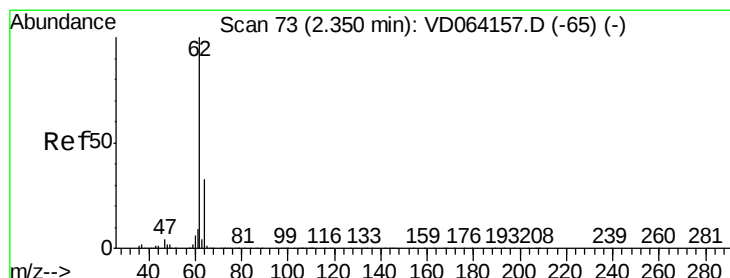
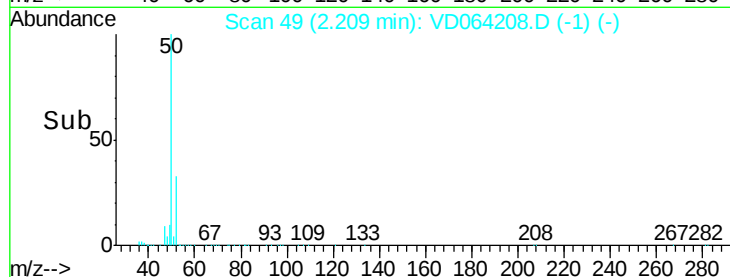
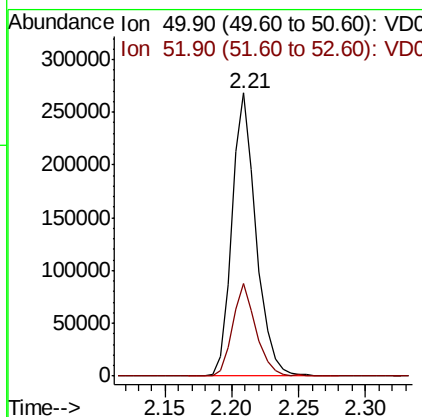
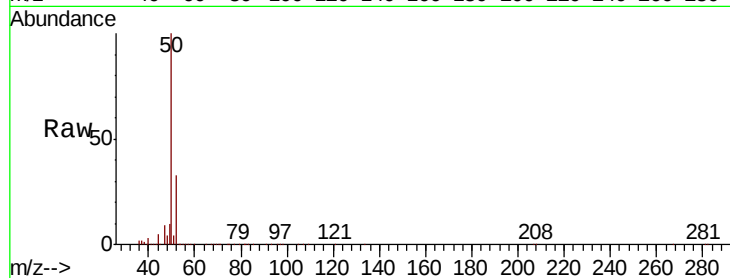
52 32.6 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 58.270 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064208.D

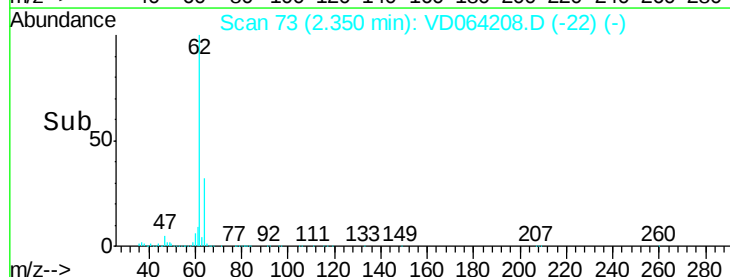
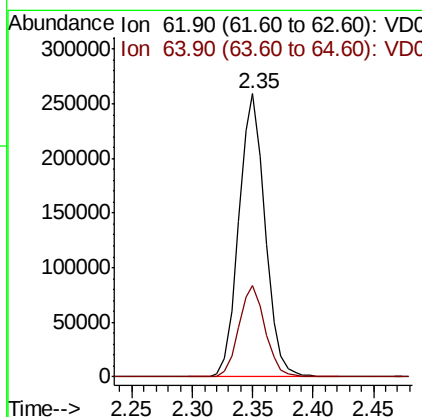
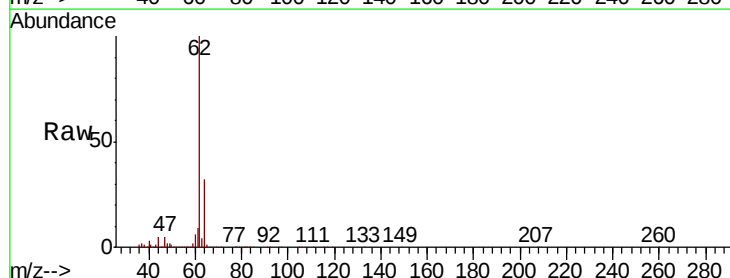
Acq: 14 Nov 2019 11:26

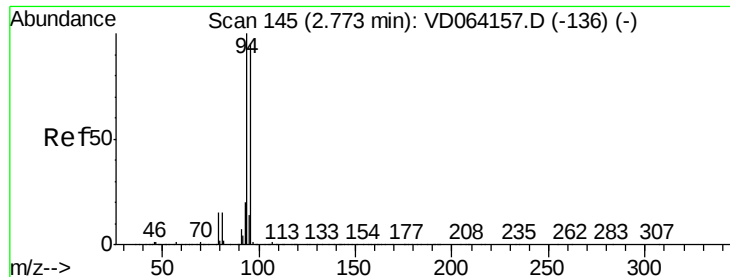
Tgt Ion: 62 Resp: 394969

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.2





#5

Bromomethane

Concen: 60.085 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

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Tot Ion: 94 Resp: 257173

Ion Ratio Lower Upper

94 100

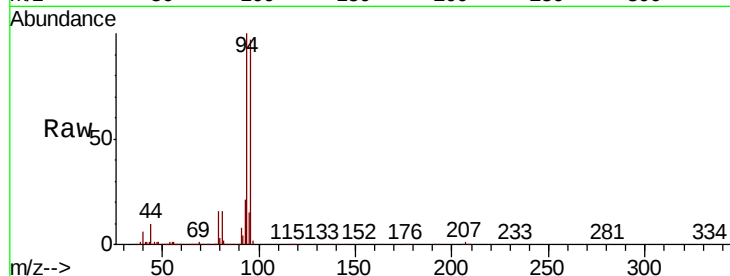
96 96.9 76.2 114.4

Manual Integrations

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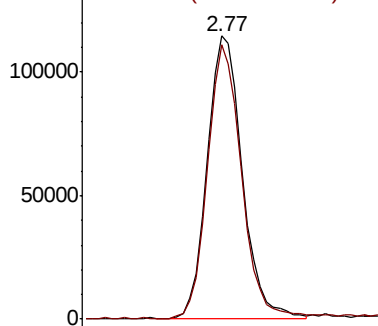
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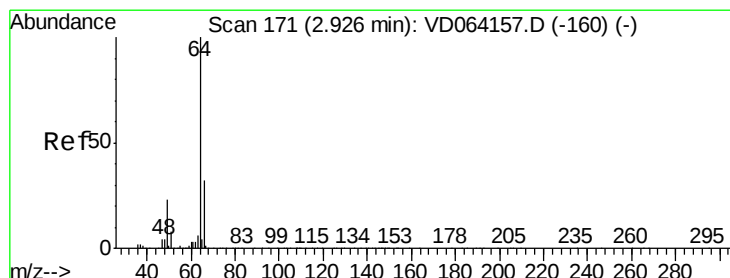
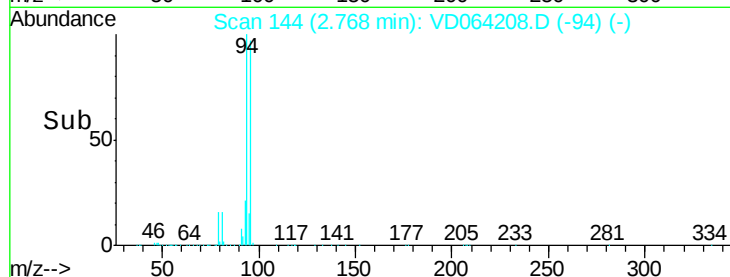


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 58.167 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064208.D

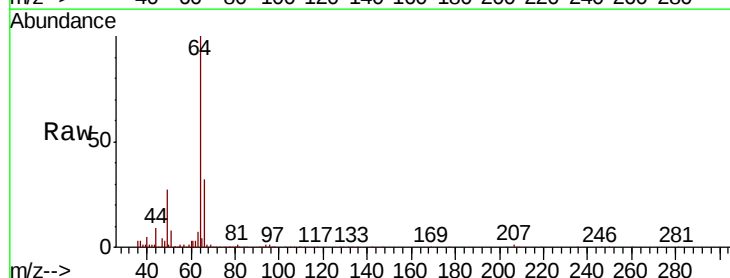
Acq: 14 Nov 2019 11:26

Tgt Ion: 64 Resp: 251934

Ion Ratio Lower Upper

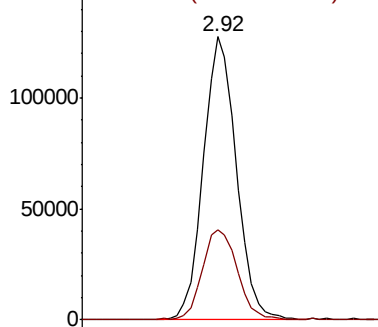
64 100

66 31.7 25.5 38.3

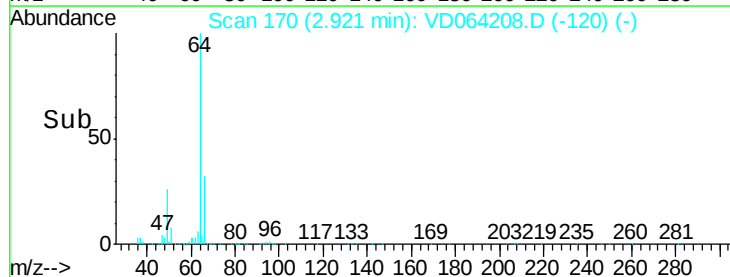


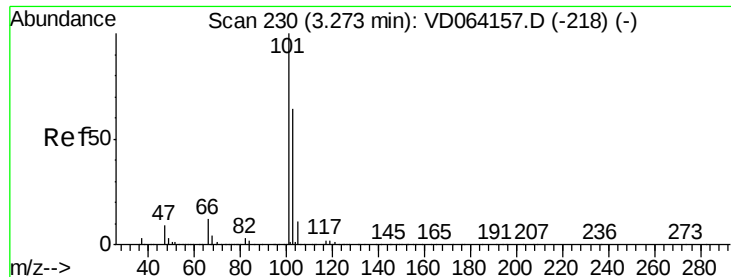
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

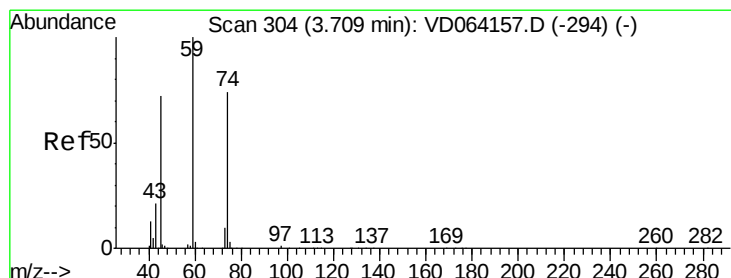
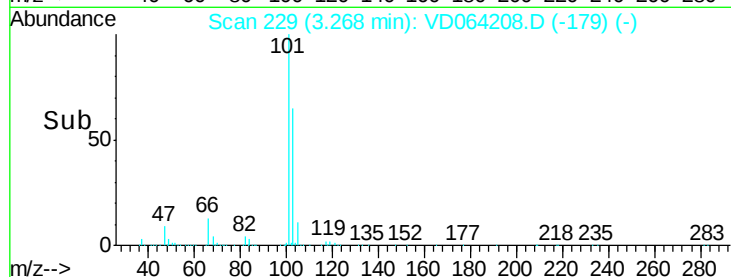
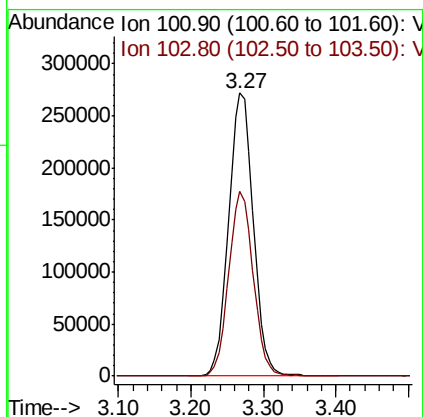
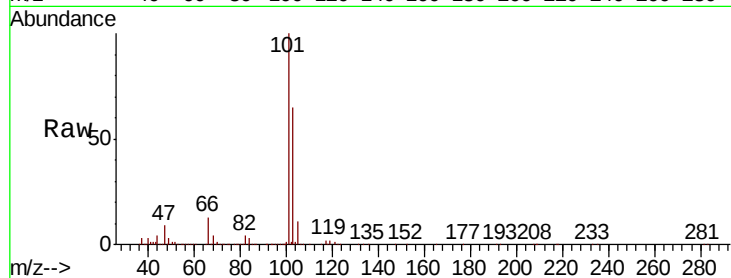
Trichlorofluoromethane
Concen: 58.708 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.8	76.2

Manual Integrations
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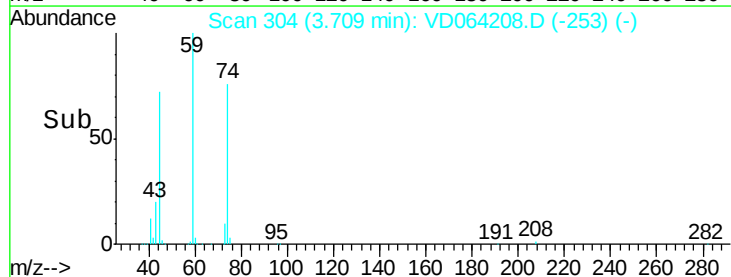
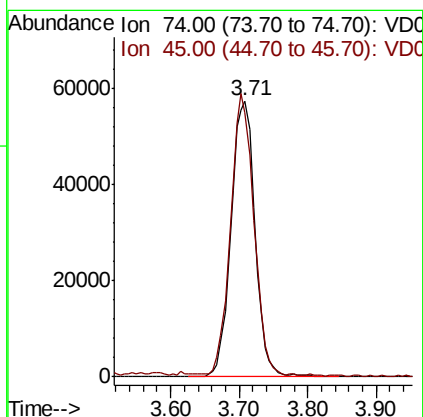
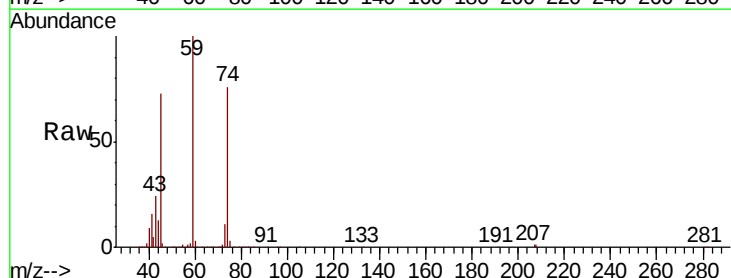
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11/15/2019 3:06:02 PM



#8

Diethyl Ether
Concen: 45.948 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064208.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.294 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

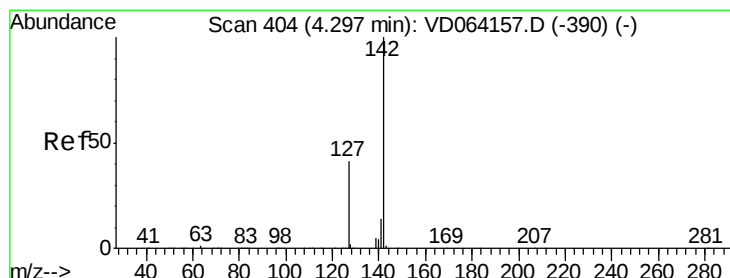
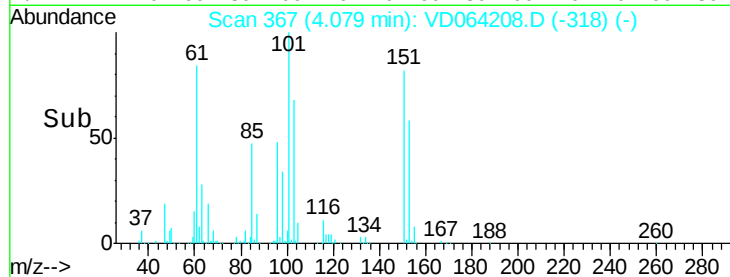
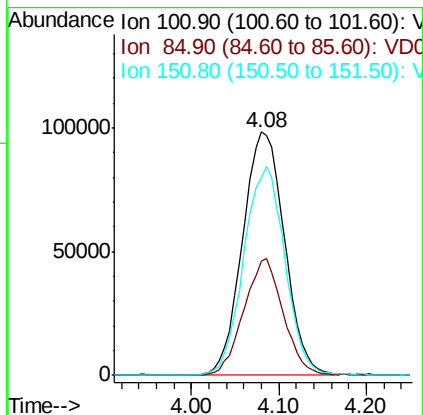
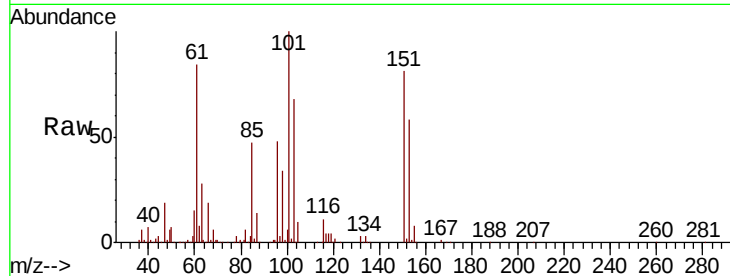
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	322187
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.4	51.6
151	84.3	68.1	102.1

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#10

Methyl Iodide

Concen: 50.120 ug/l

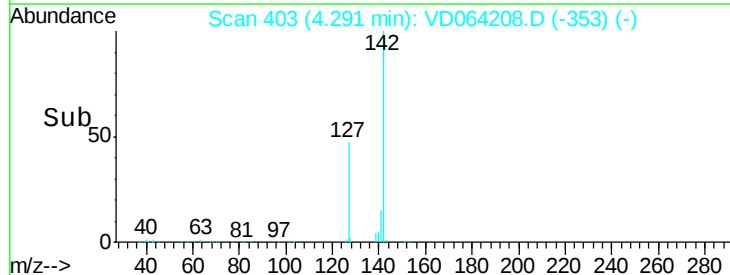
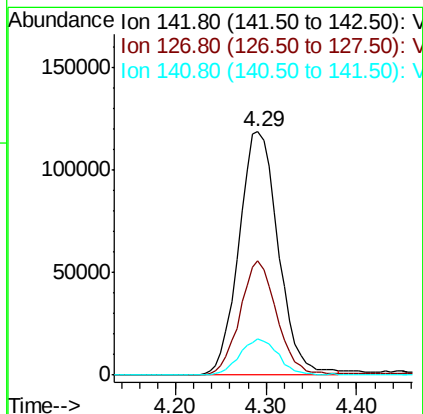
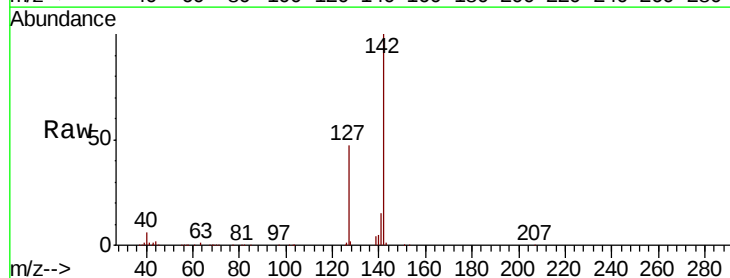
RT: 4.29 min Scan# 403

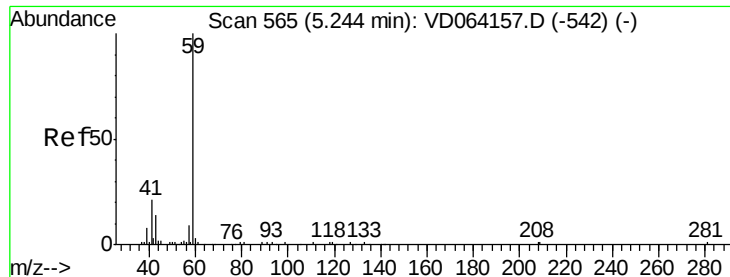
Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Tgt Ion:	142	Resp:	359402
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.4	51.6
141	14.5	11.2	16.8





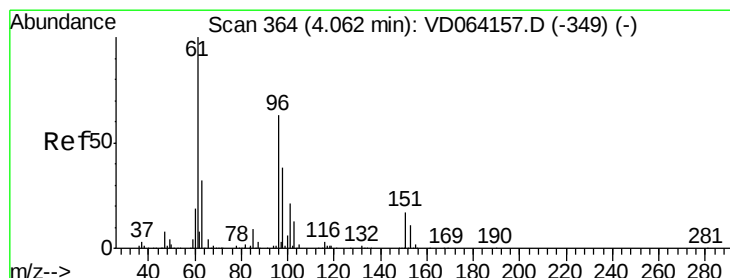
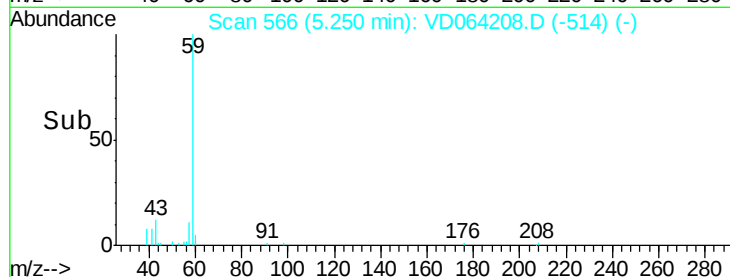
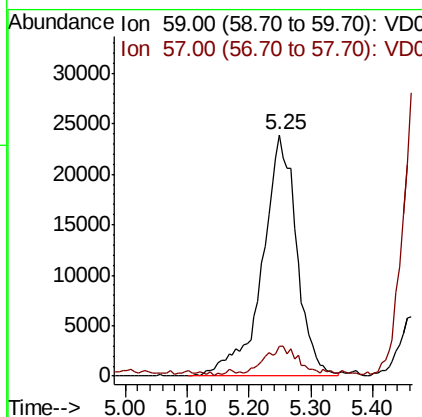
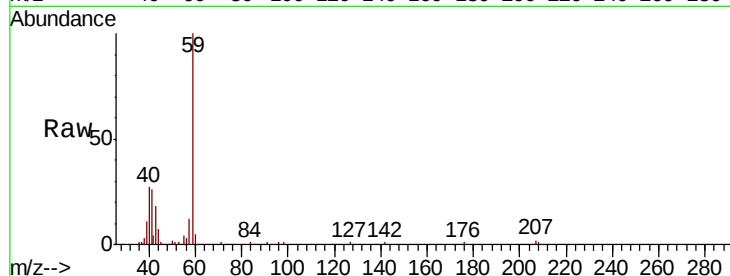
#11
Tert butyl alcohol
Concen: 223.503 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	91479		
57	57	10.0		9.4	14.2

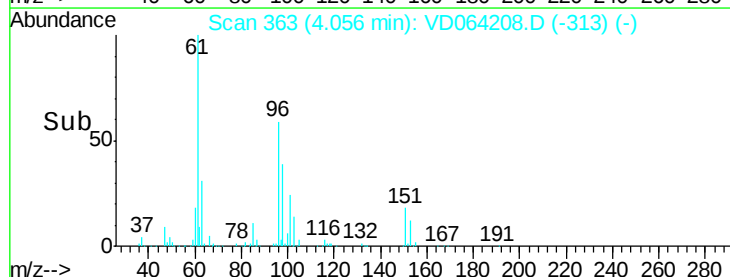
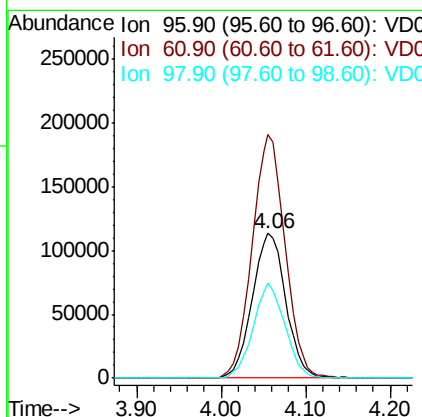
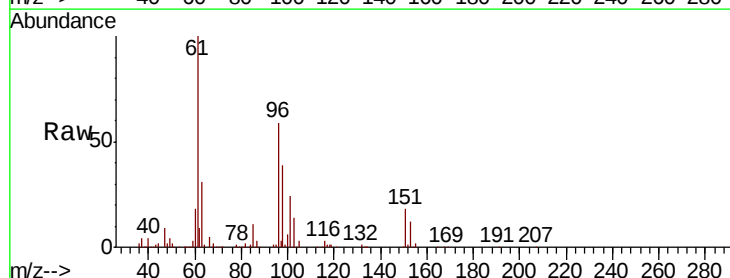
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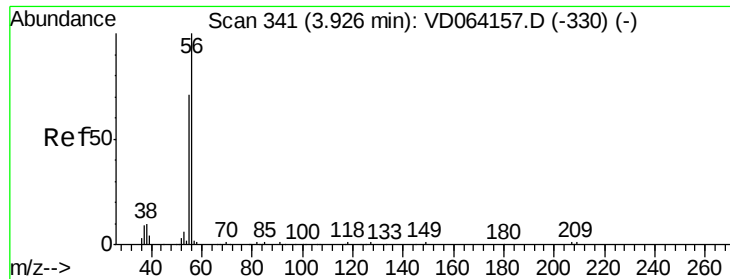
MMDadoda
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#12
1,1-Dichloroethene
Concen: 52.296 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	313098		
61	61	168.4		127.4	191.2
98	98	65.8		48.1	72.1





#13

Acrolein

Concen: 278.483 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 96426

Ion Ratio Lower Upper

56 100

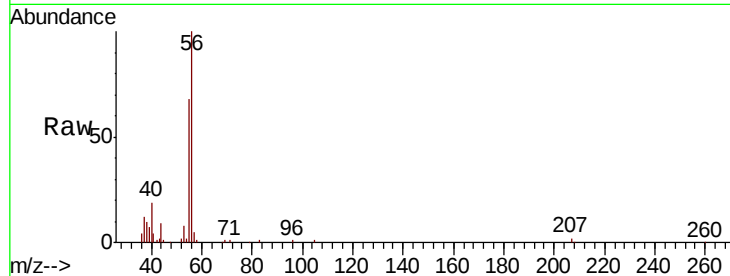
55 70.8 56.1 84.1

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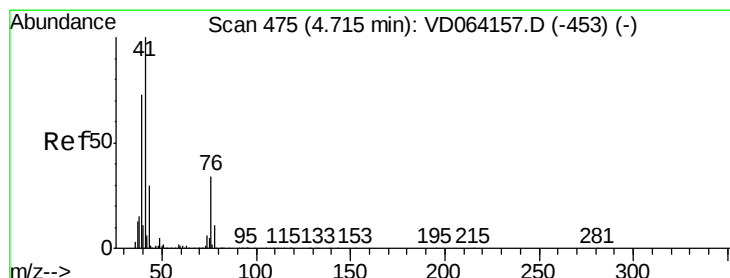
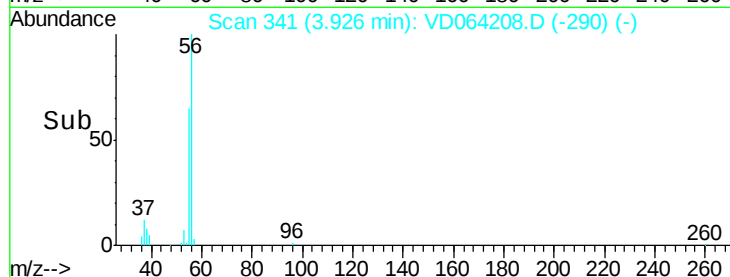
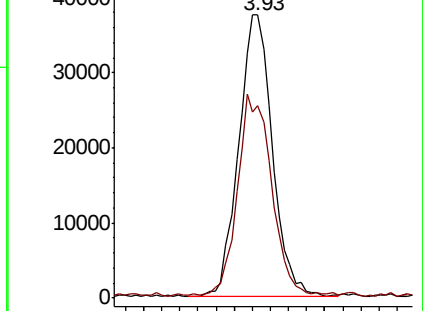
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.710 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

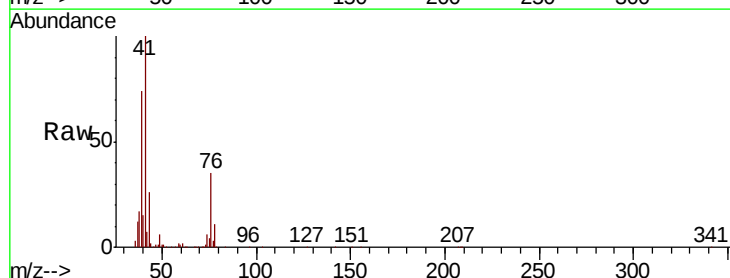
Tgt Ion: 41 Resp: 526215

Ion Ratio Lower Upper

41 100

39 74.2 57.5 86.3

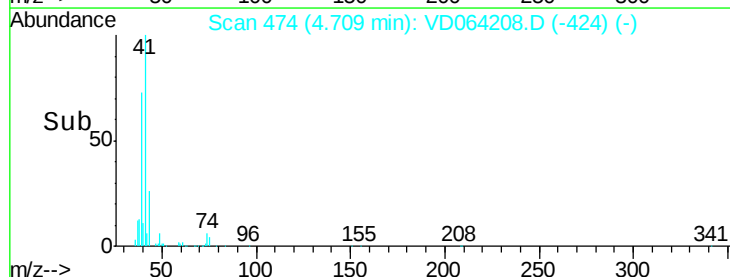
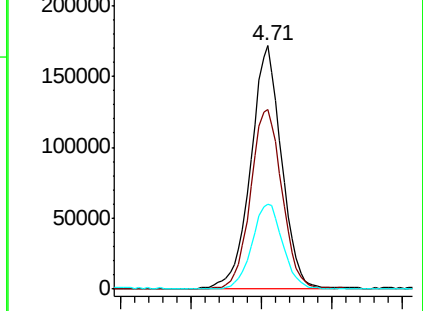
76 34.3 26.8 40.2



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: 226.515 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

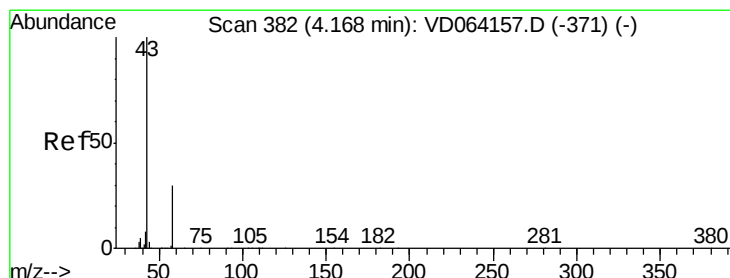
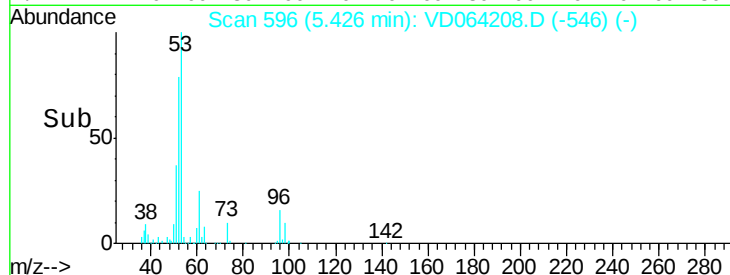
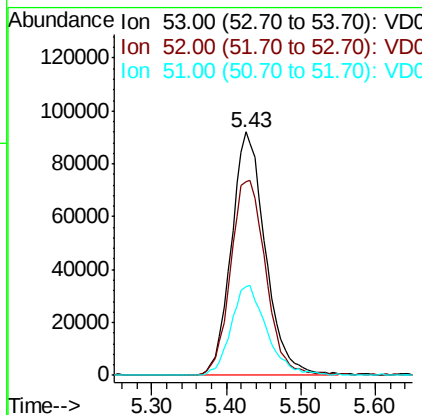
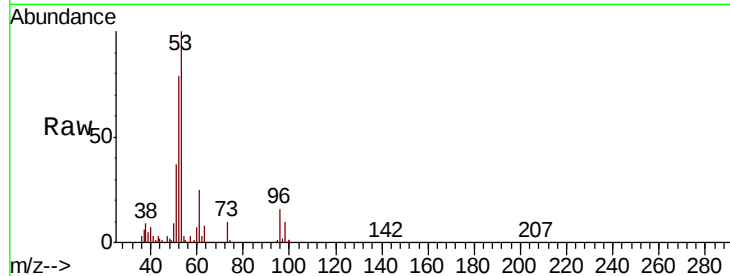
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	291795
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.7	100.1
51	38.8	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 275.795 ug/l

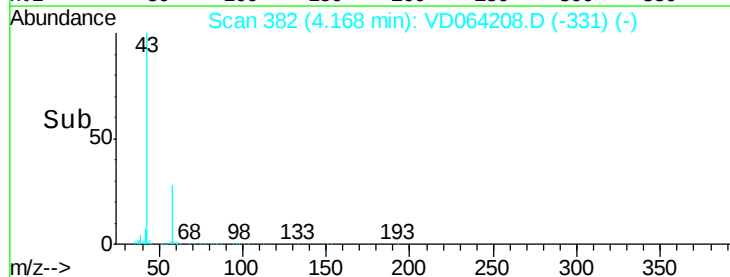
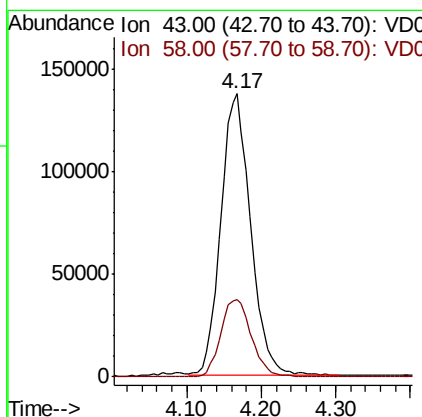
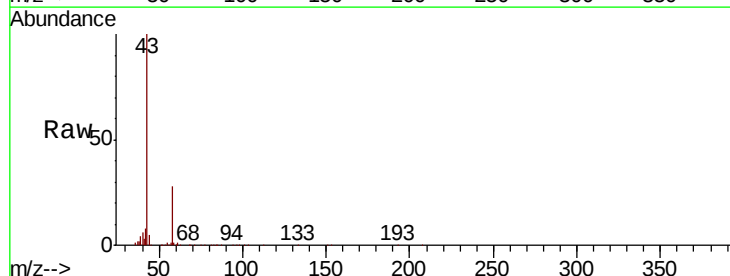
RT: 4.17 min Scan# 382

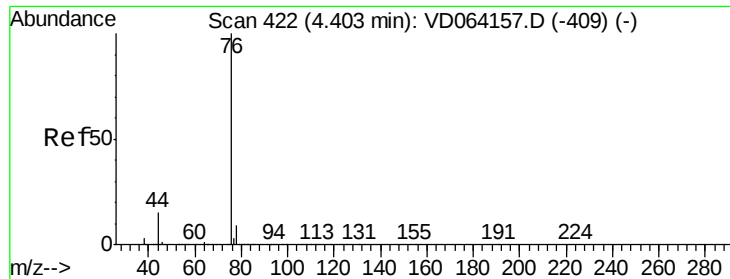
Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Tgt Ion:	43	Resp:	382870
Ion Ratio	Lower	Upper	
43	100		
58	27.5	24.1	36.1





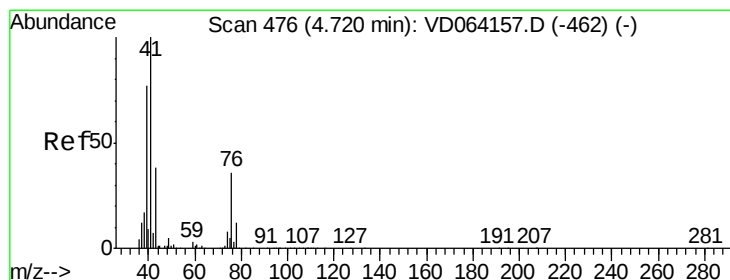
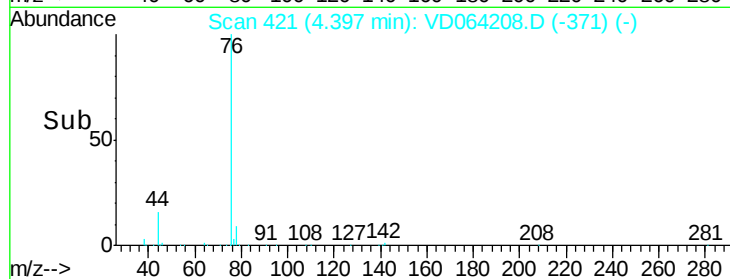
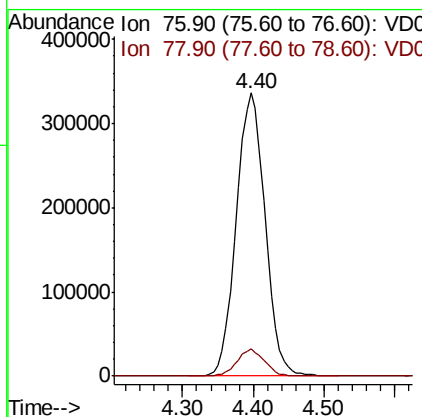
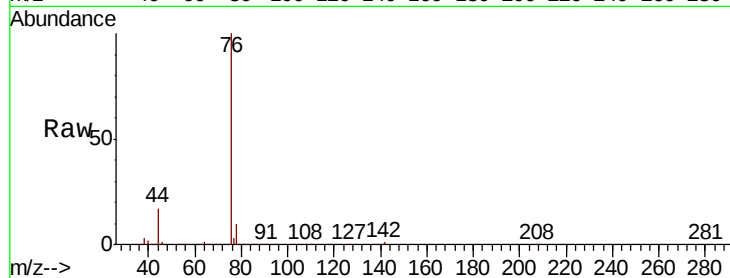
#17
Carbon Disulfide
Concen: 51.395 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8

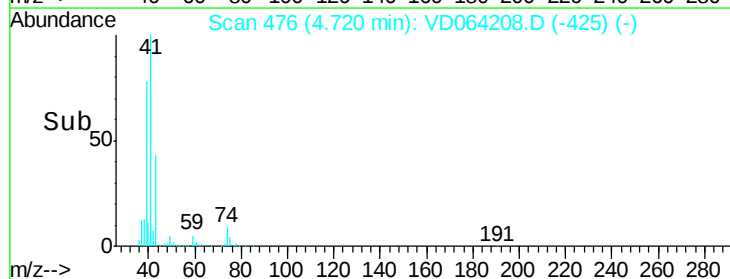
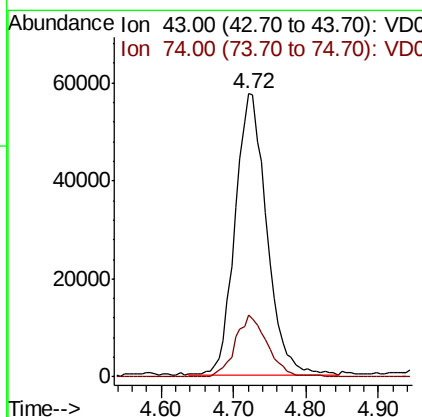
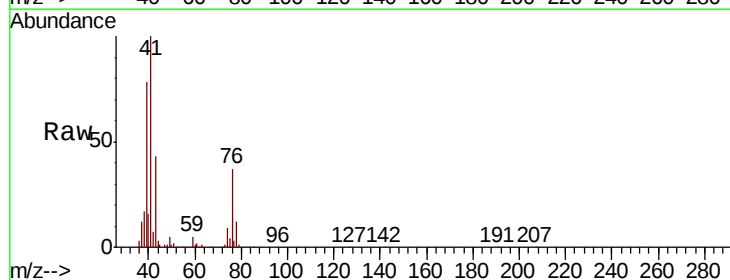
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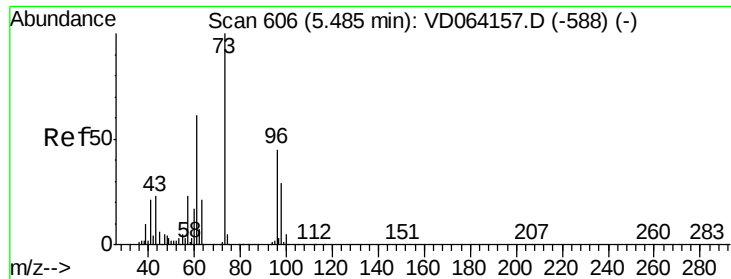
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#18
Methyl Acetate
Concen: 44.776 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	18.4	27.6





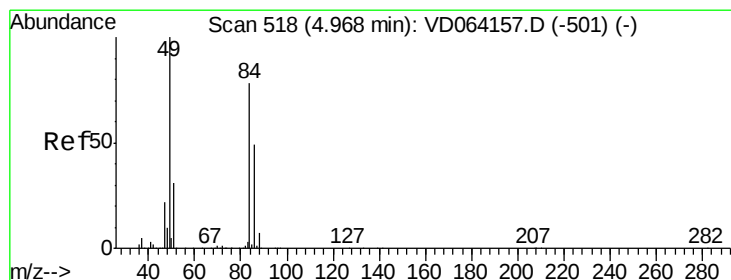
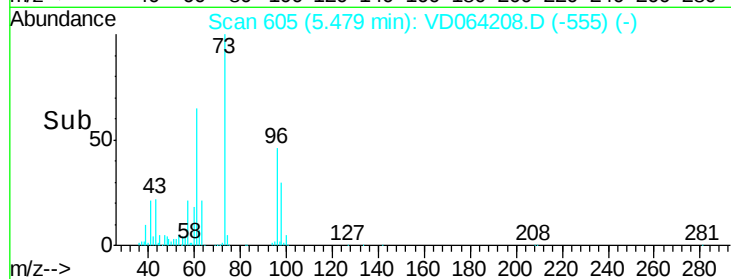
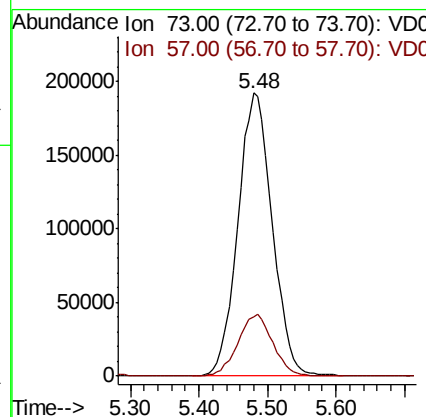
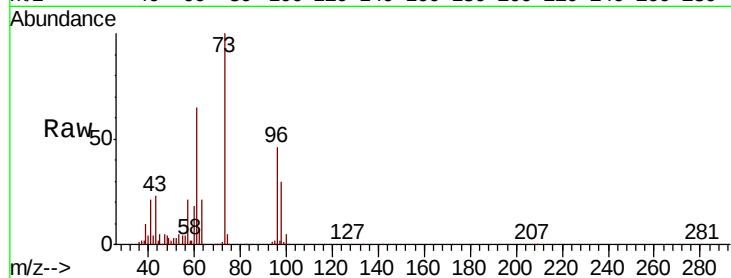
#19
Methvl tert-butvl Ether
Concen: 46.704 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 667536
Ion Ratio Lower Upper
73 100
57 20.6 18.4 27.6

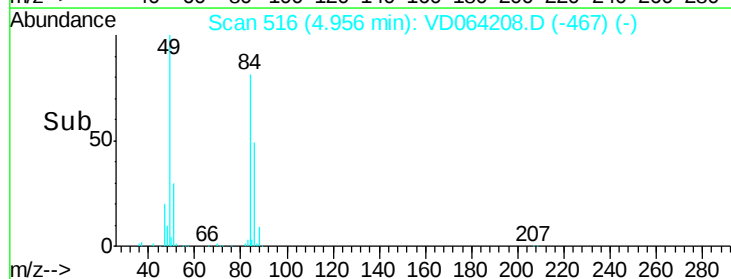
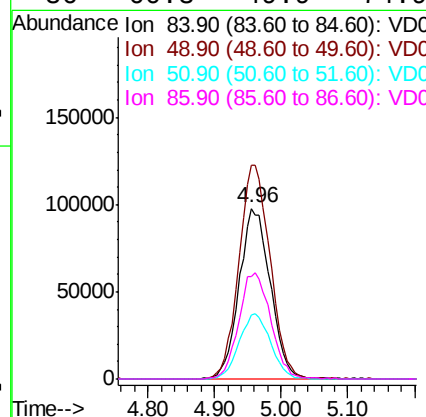
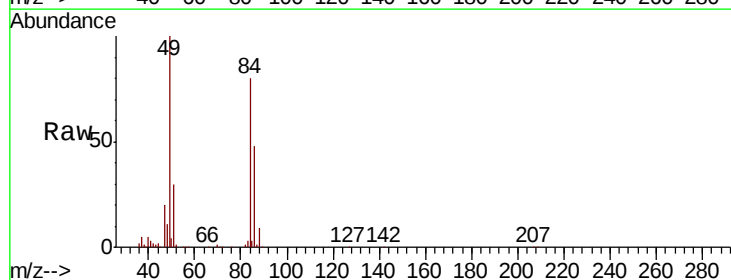
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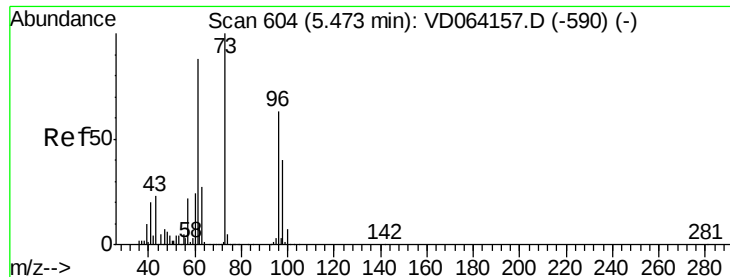
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#20
Methylene Chloride
Concen: 45.031 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 84 Resp: 315777
Ion Ratio Lower Upper
84 100
49 125.2 102.1 153.1
51 37.7 32.2 48.2
86 60.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 51.209 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

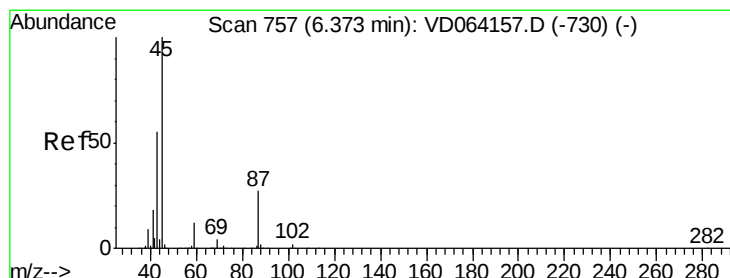
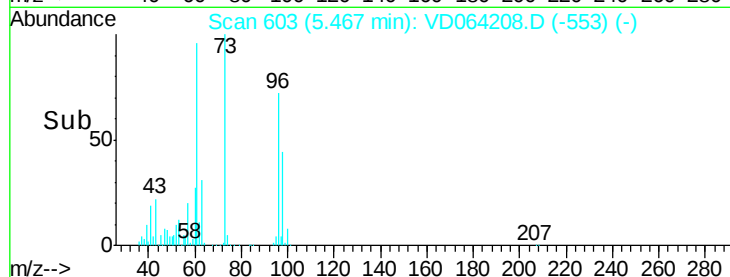
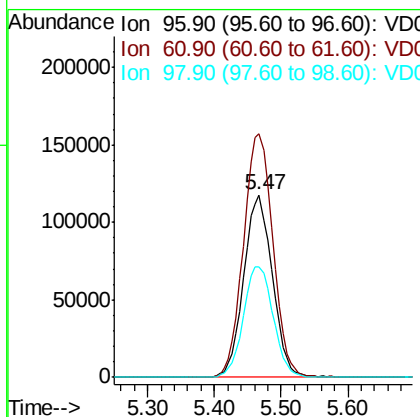
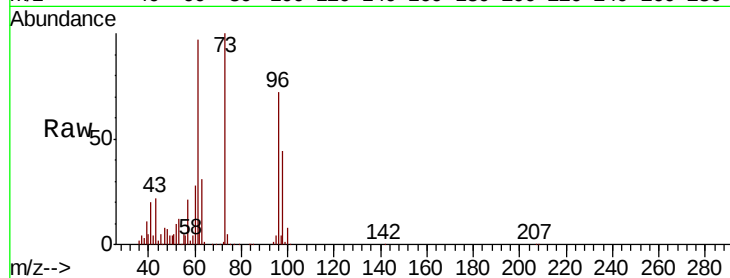
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	347361
Ion	Ratio	Lower	Upper
96	100		
61	133.3	111.8	167.6
98	60.2	50.3	75.5

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#22

Diisopropyl ether

Concen: 48.547 ug/l

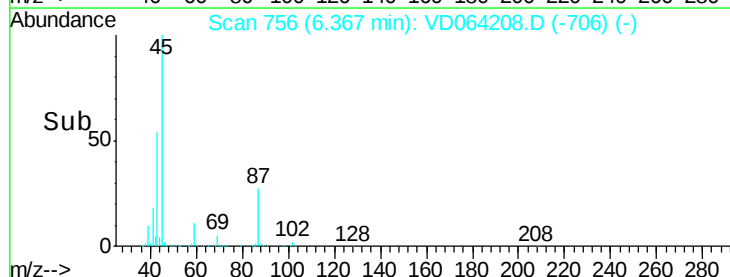
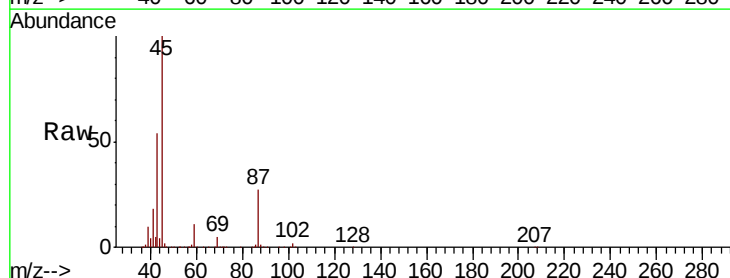
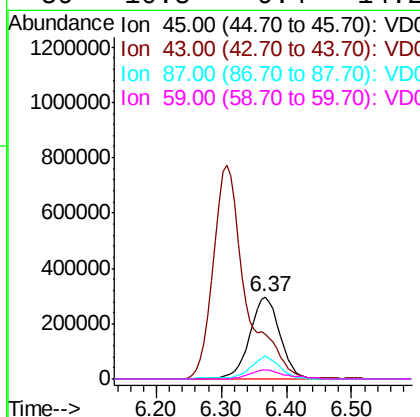
RT: 6.37 min Scan# 756

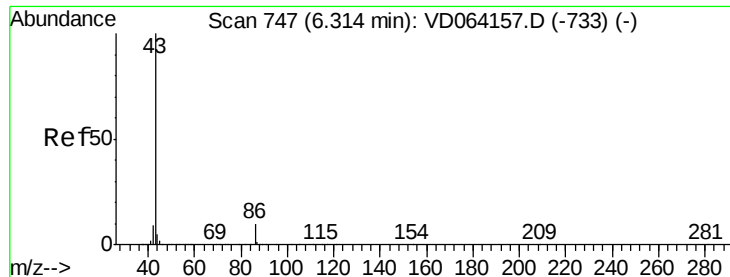
Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Tgt Ion:	45	Resp:	953515
Ion	Ratio	Lower	Upper
45	100		
43	53.0	44.4	66.6
87	27.1	21.9	32.9
59	10.8	9.4	14.2





#23

Vinyl Acetate

Concen: 242.785 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2658105

Ion Ratio Lower Upper

43 100

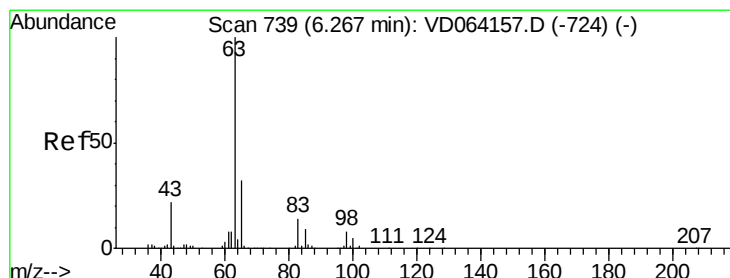
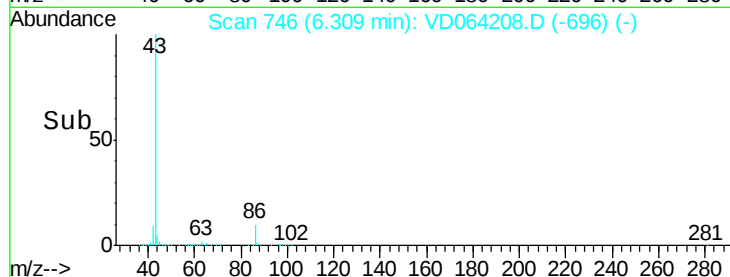
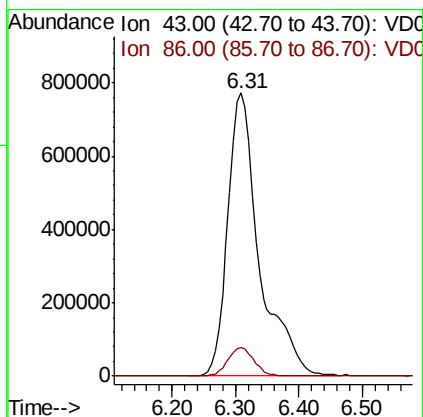
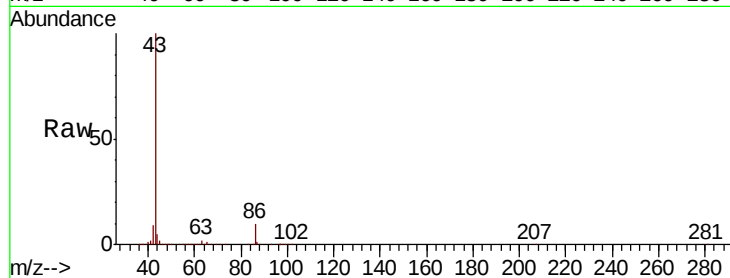
86 10.1 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 51.580 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

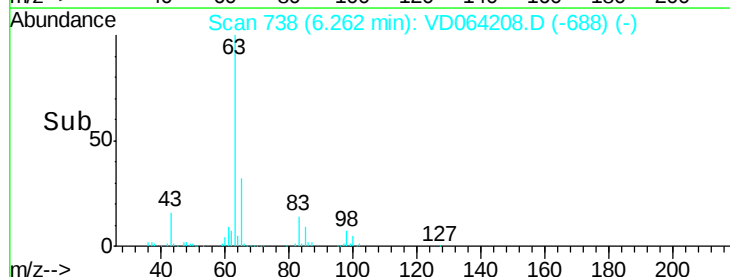
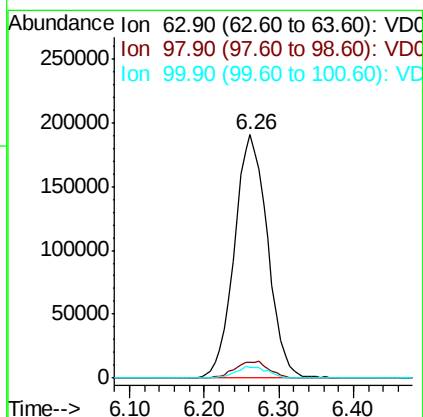
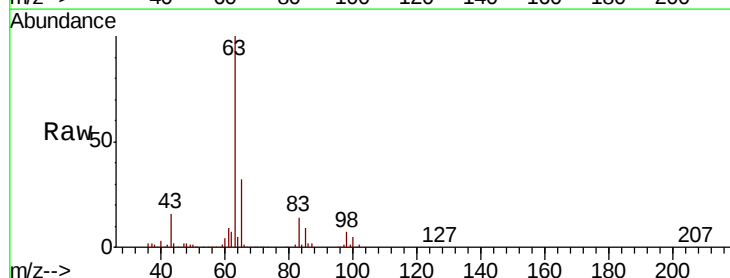
Tgt Ion: 63 Resp: 588231

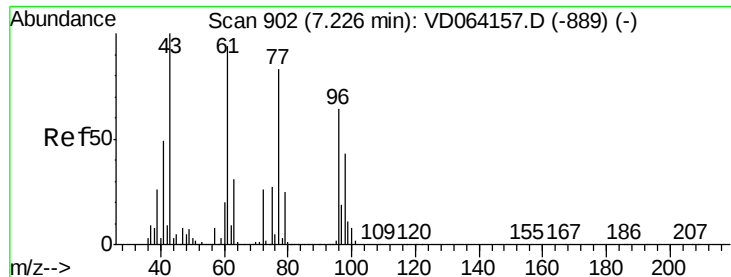
Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.4

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 230.291 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 413035

Ion Ratio Lower Upper

43 100

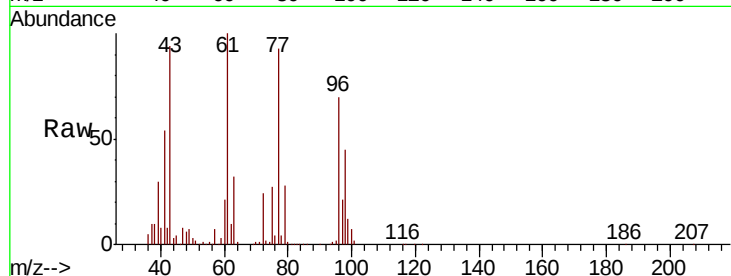
72 25.4 20.6 30.8

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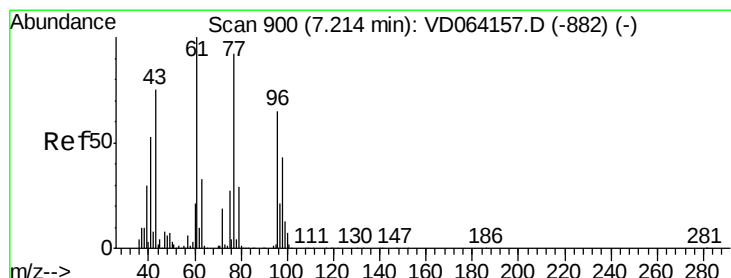
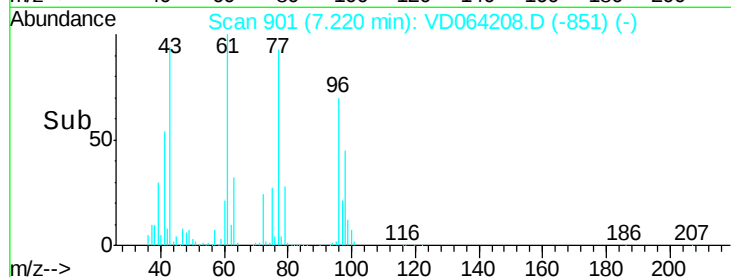
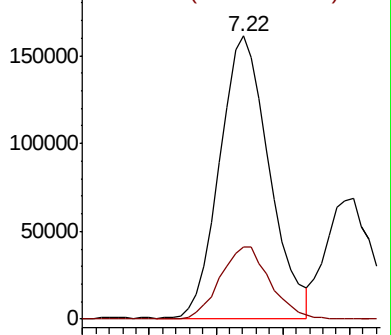
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.455 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064208.D

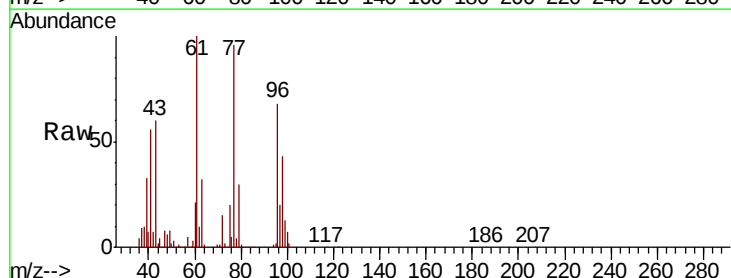
Acq: 14 Nov 2019 11:26

Tgt Ion: 77 Resp: 564281

Ion Ratio Lower Upper

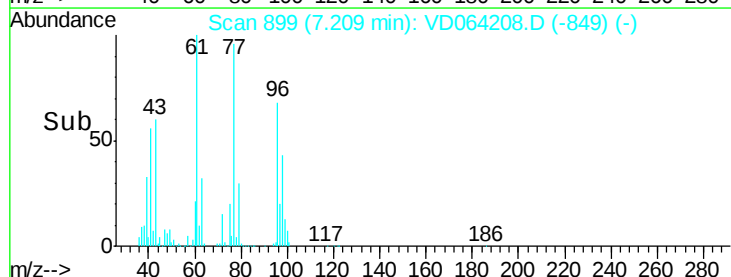
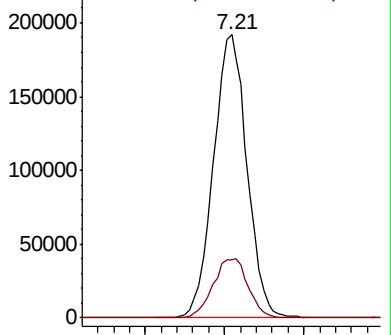
77 100

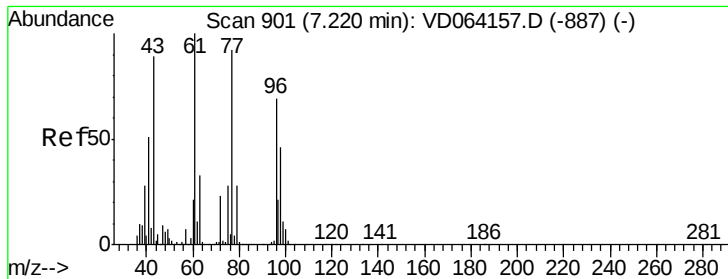
97 22.0 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

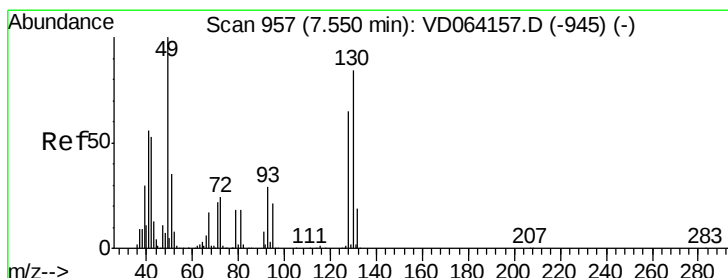
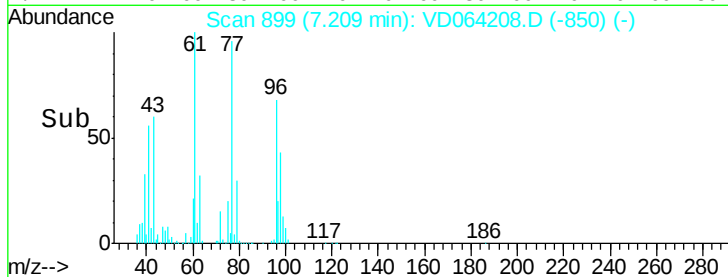
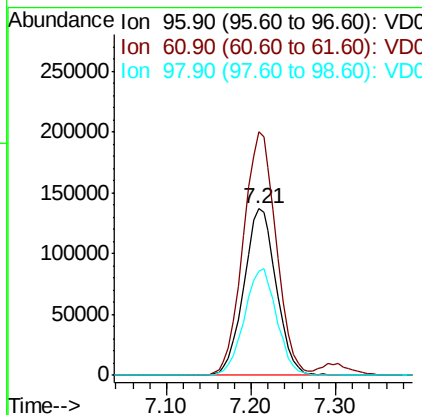
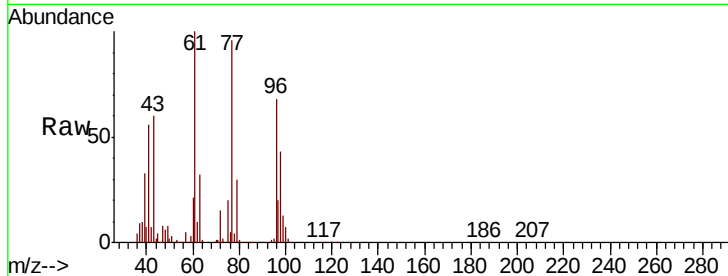
cis-1,2-Dichloroethene
Concen: 50.211 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	148.4	0.0	301.4		
98	64.0	0.0	133.2		

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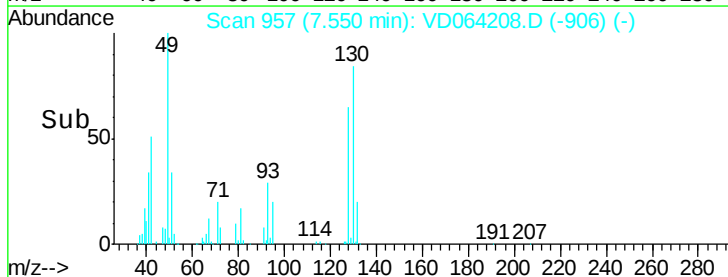
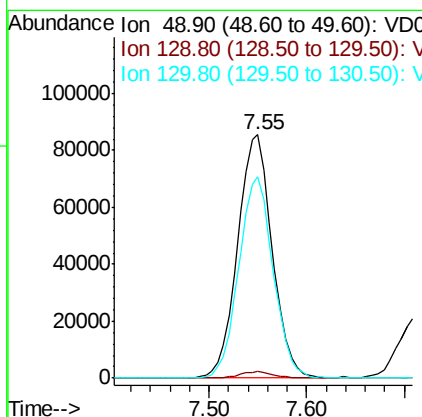
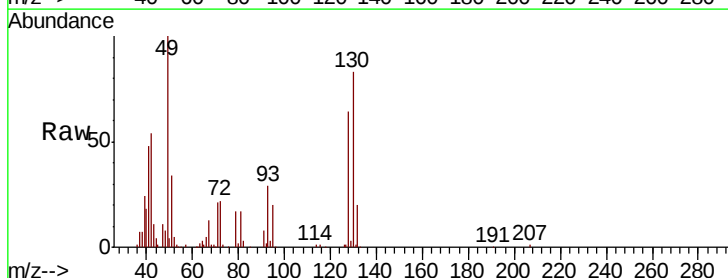
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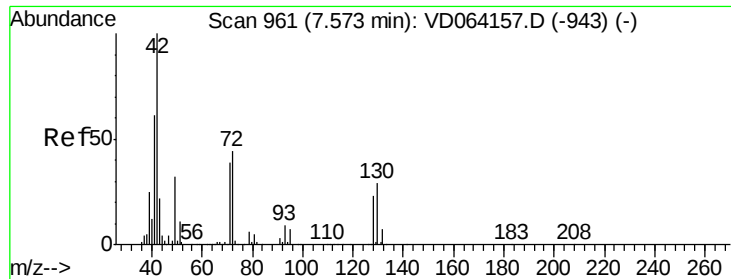


#28

Bromochloromethane
Concen: 53.302 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.5	0.0	4.4		
130	82.4	66.8	100.2		





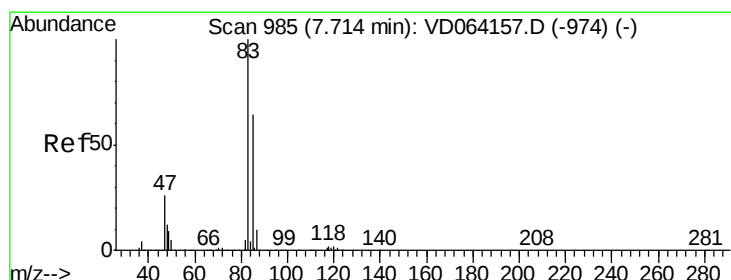
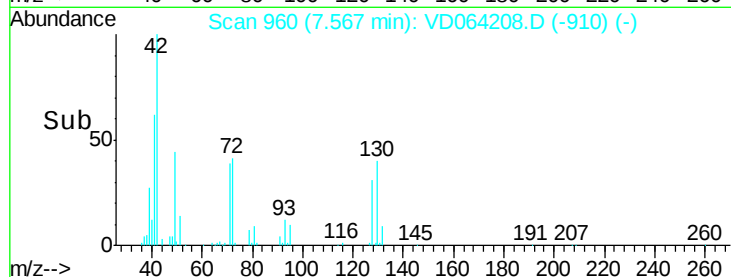
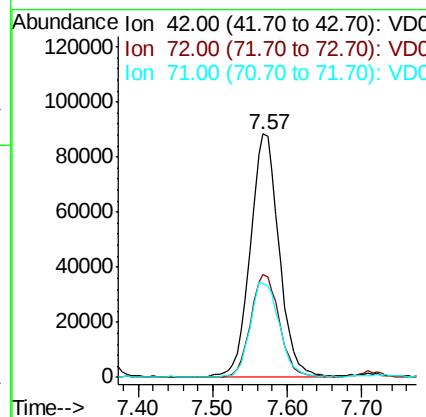
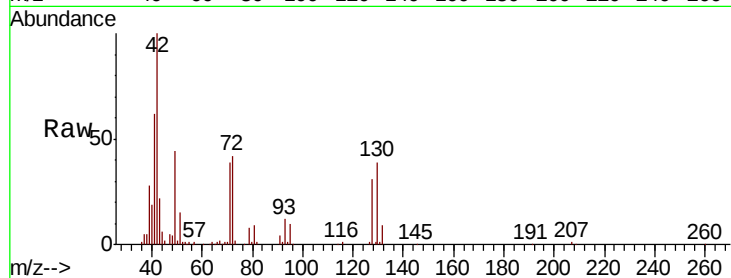
#29
Tetrahydrofuran
Concen: 219.137 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.4	50.2
71	39.7	31.0	46.4

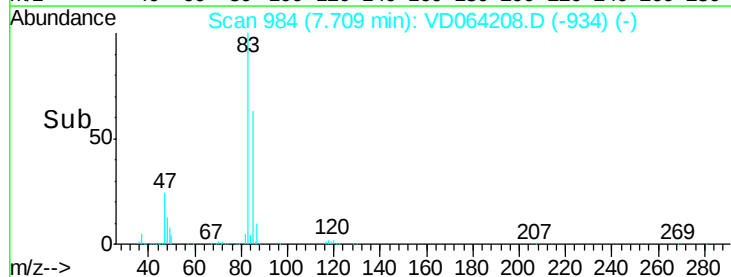
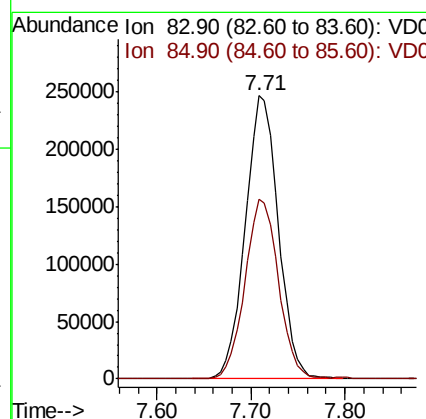
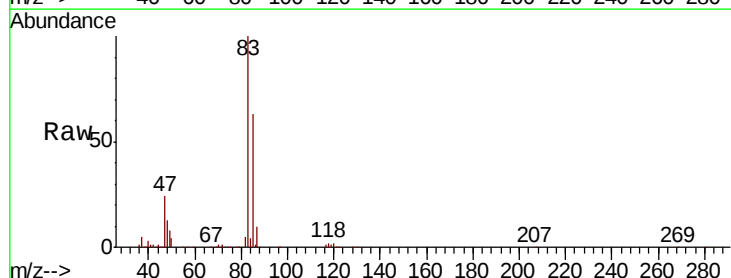
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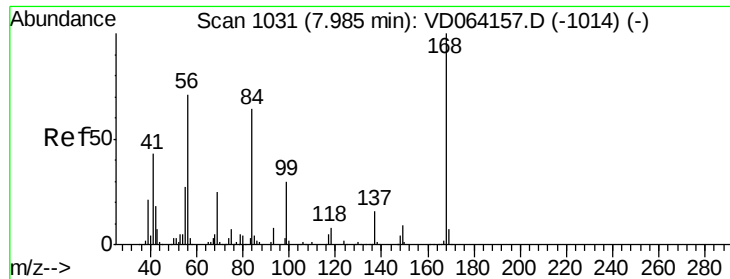
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#30
Chloroform
Concen: 51.444 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.4	77.0





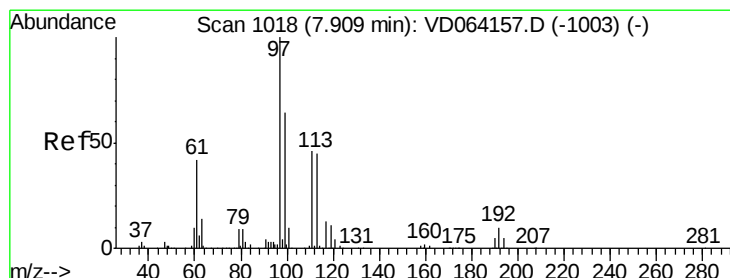
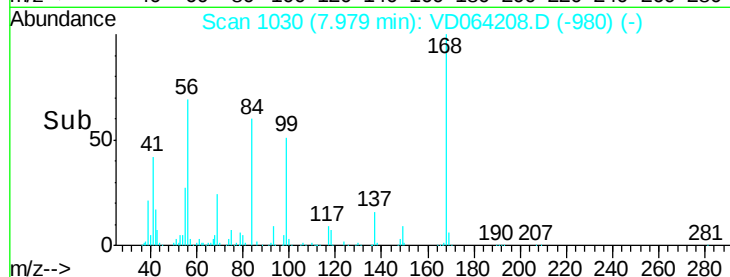
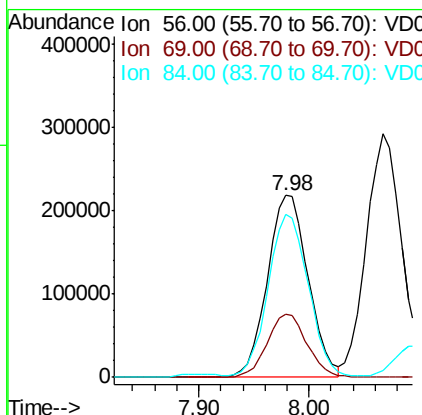
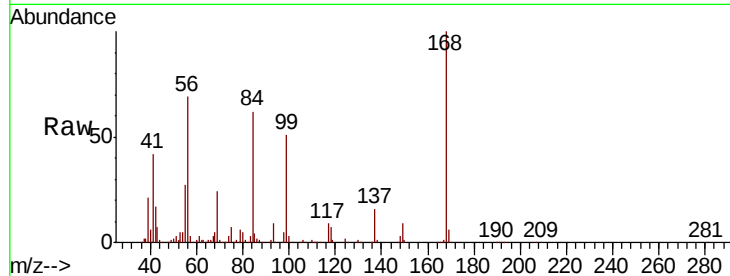
#31
Cyclohexane
Concen: 48.665 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	34.8	28.2	42.4	
84	87.9	71.8	107.6	

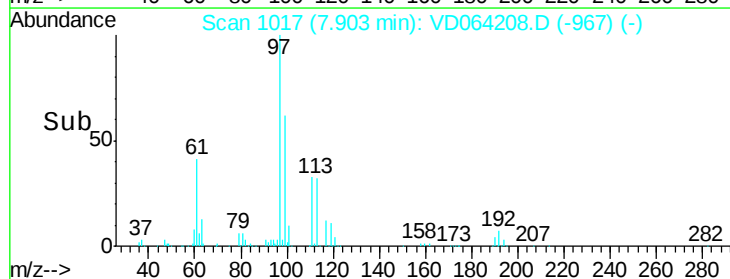
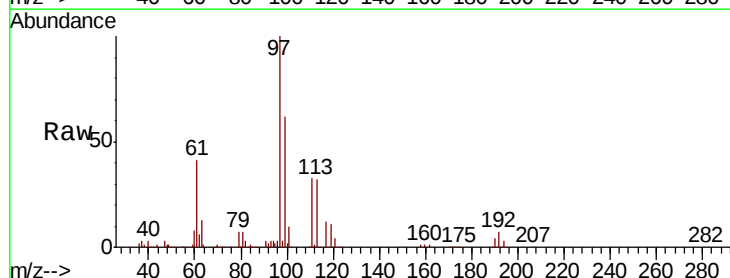
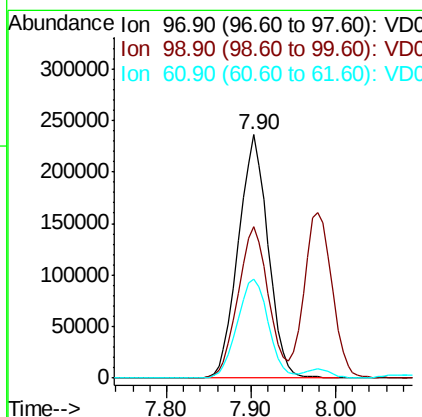
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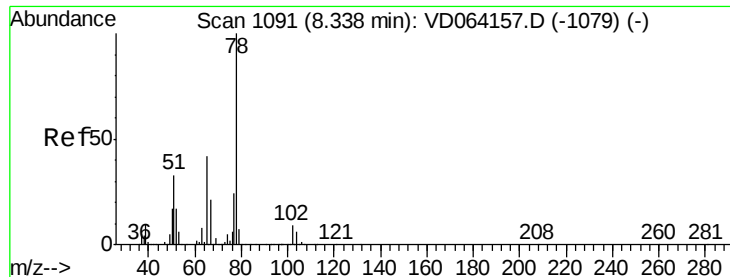
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#32
1,1,1-Trichloroethane
Concen: 51.770 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.6	51.6	77.4	
61	42.9	34.2	51.2	





#33

1,2-Dichloroethane-d4

Concen: 46.831 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 274433

Ion Ratio Lower Upper

65 100

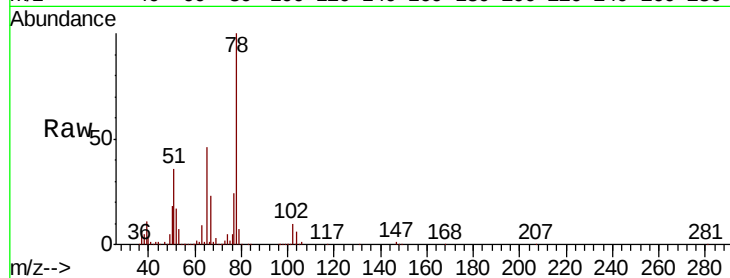
67 49.9 0.0 104.4

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

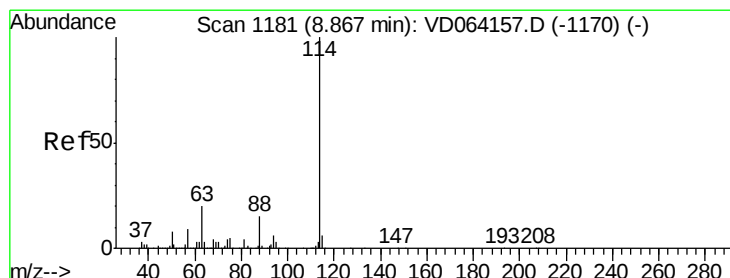
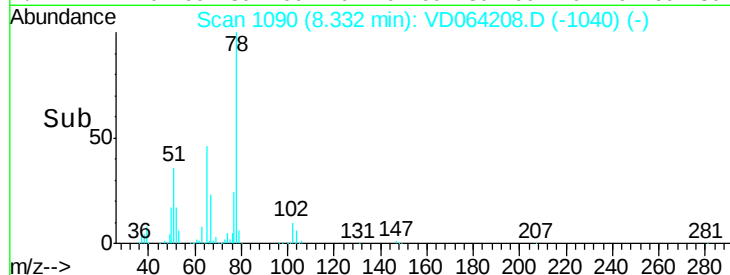
8.33

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

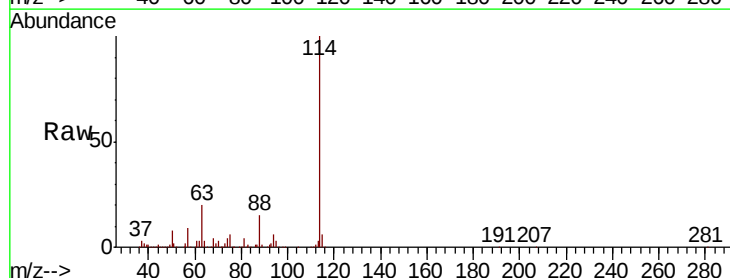
Tgt Ion: 114 Resp: 1001465

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 15.3 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

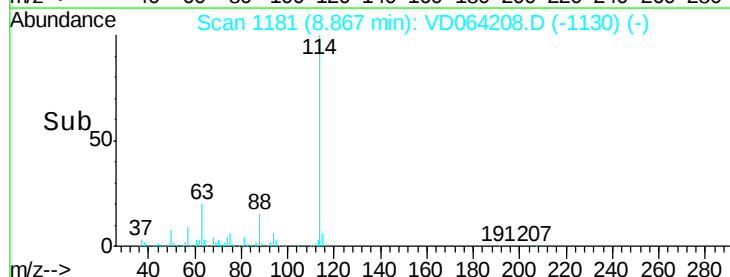
300000

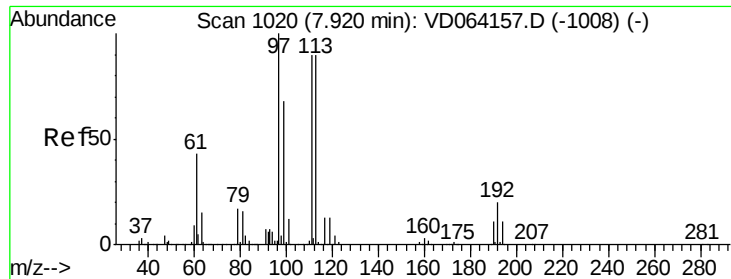
200000

100000

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Time-->





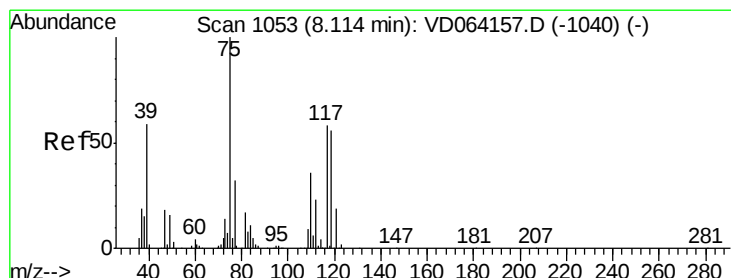
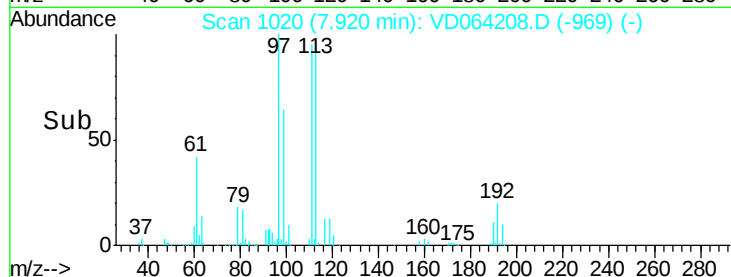
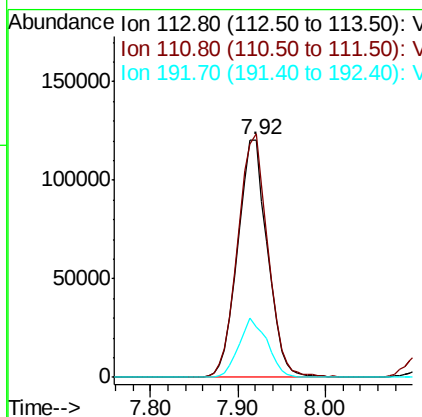
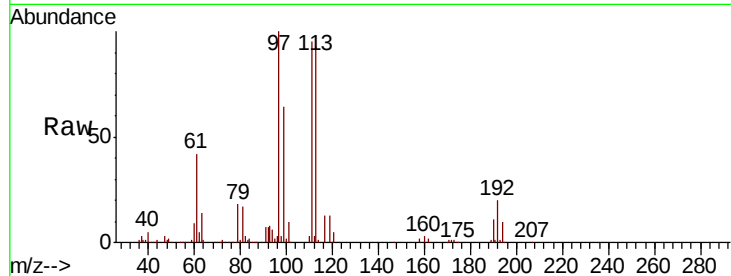
#35
Dibromofluoromethane
Concen: 48.379 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.5	122.3
192	23.9	18.8	28.2

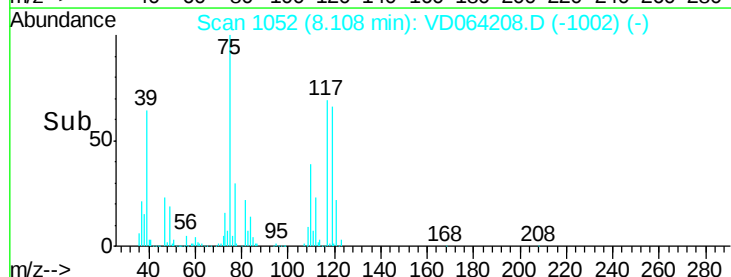
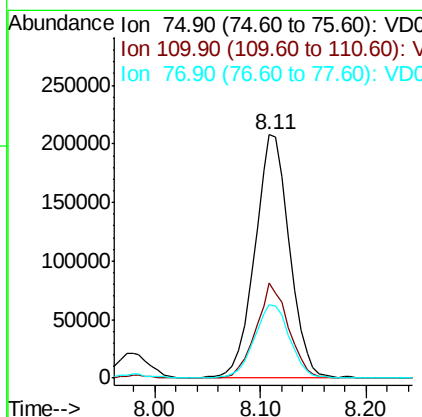
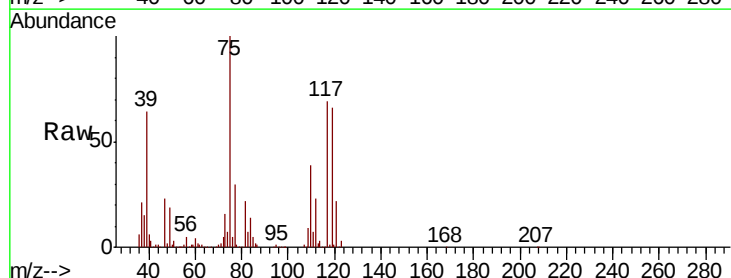
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#36
1,1-Dichloropropene
Concen: 50.981 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.3	54.9
77	30.9	25.0	37.6





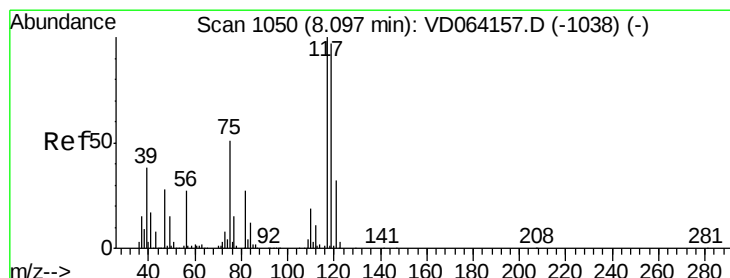
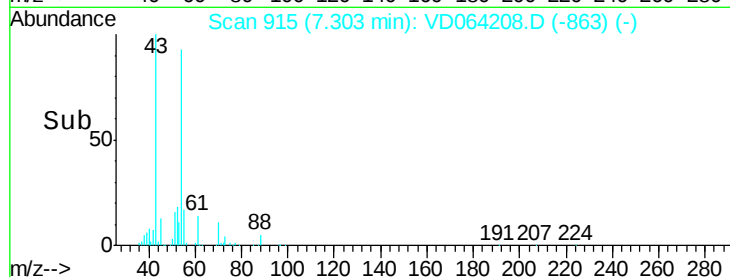
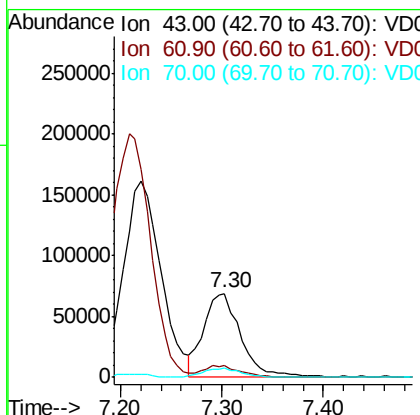
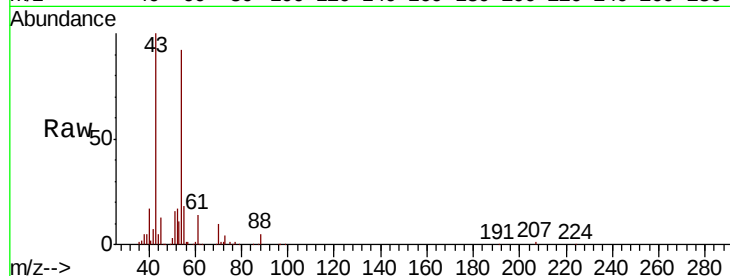
#37
Ethyl Acetate
Concen: 43.794 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.2
70	11.1	8.5	12.7

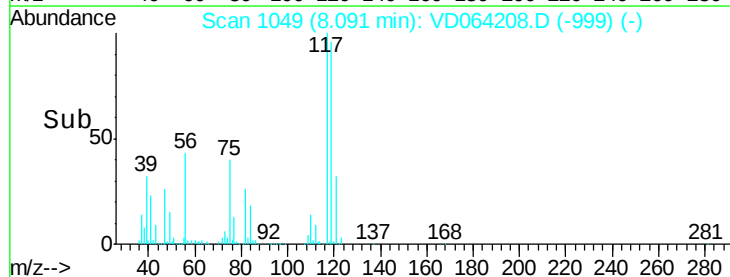
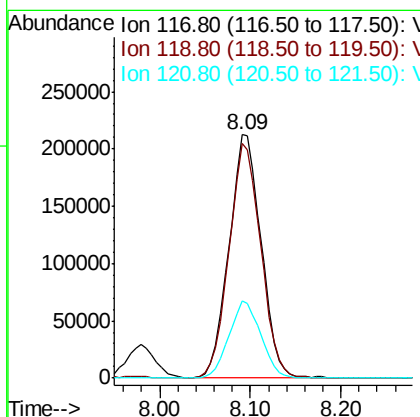
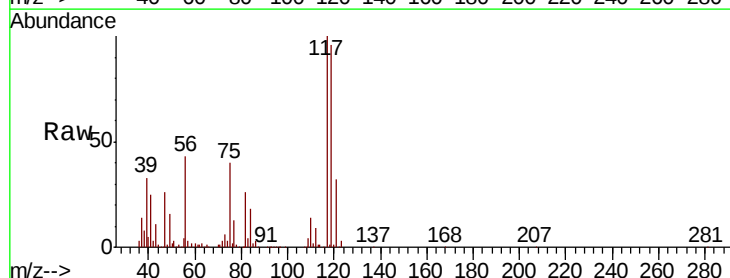
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#38
Carbon Tetrachloride
Concen: 52.709 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.2	115.8
121	31.9	25.5	38.3





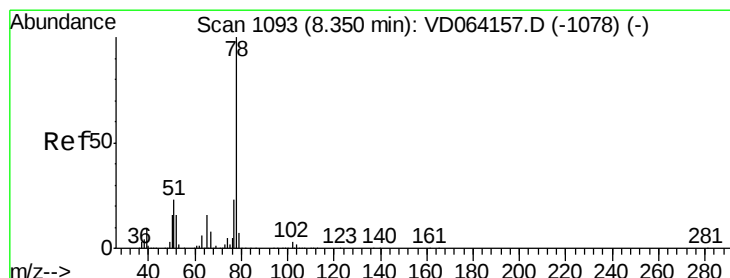
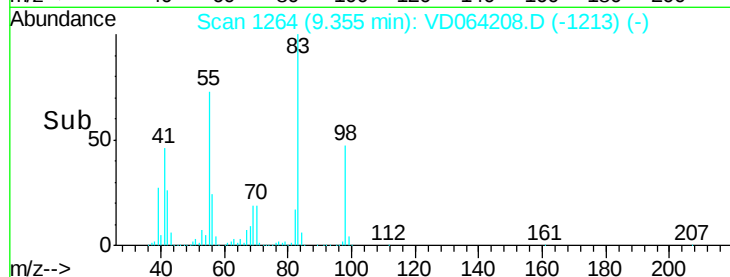
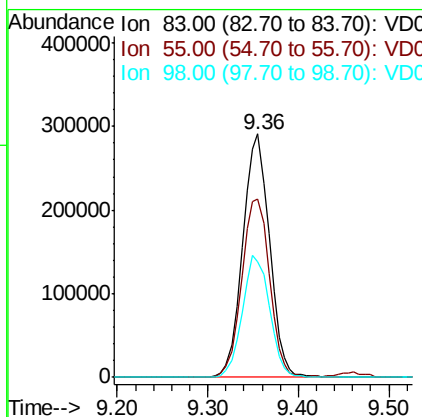
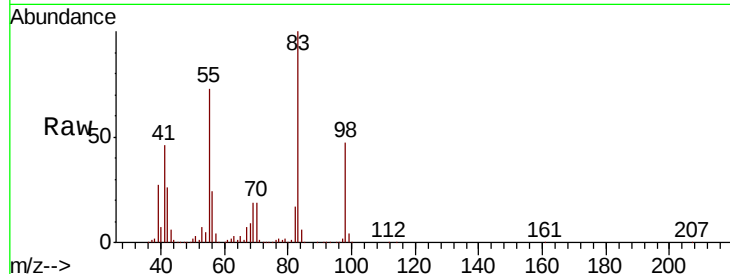
#39
Methvlcvclohexane
Concen: 51.110 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	61.7	92.5
98	47.4	38.6	58.0

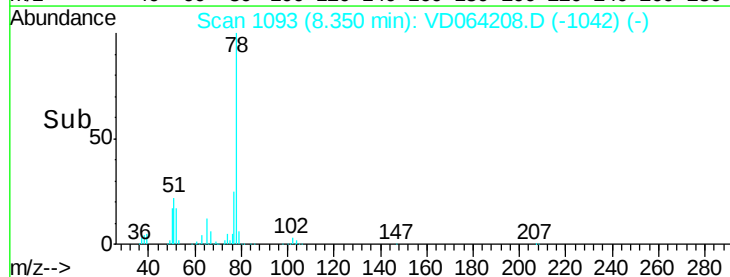
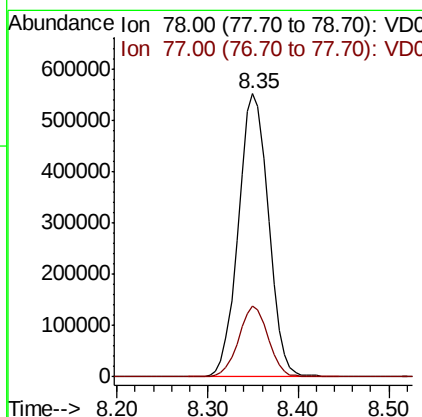
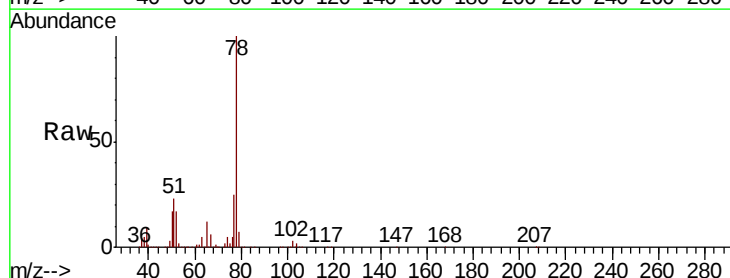
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#40
Benzene
Concen: 50.416 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.6	28.0





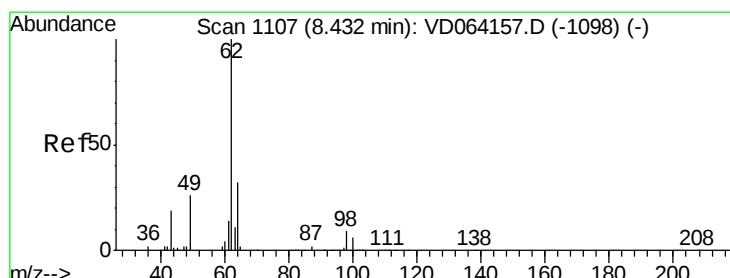
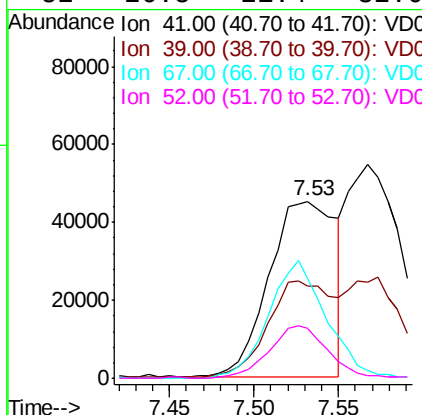
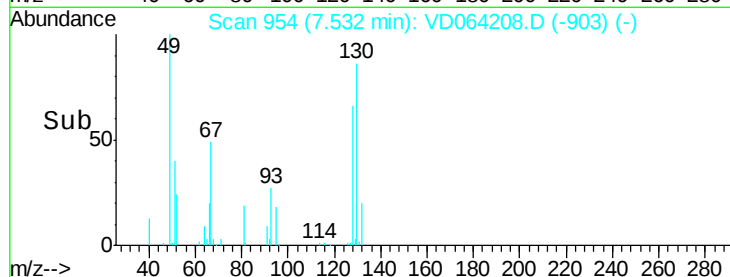
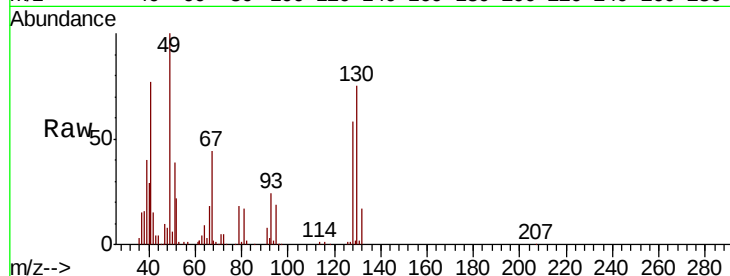
#41
Methacrylonitrile
Concen: 50.305 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.0	49.4	74.2
67	58.1	49.6	74.4
52	26.5	21.4	32.0

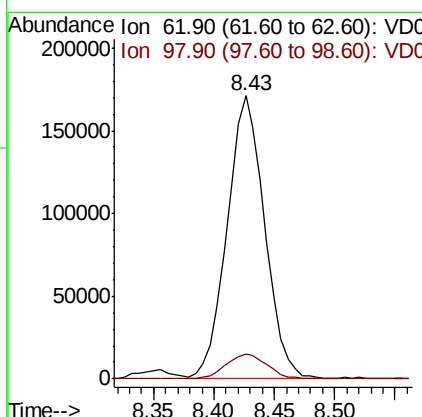
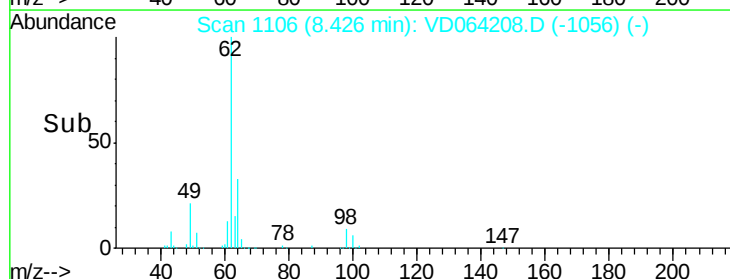
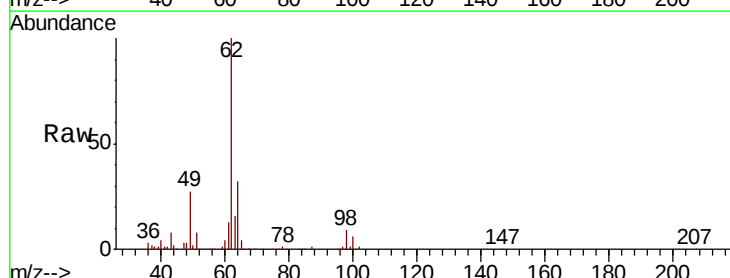
Manual Integrations
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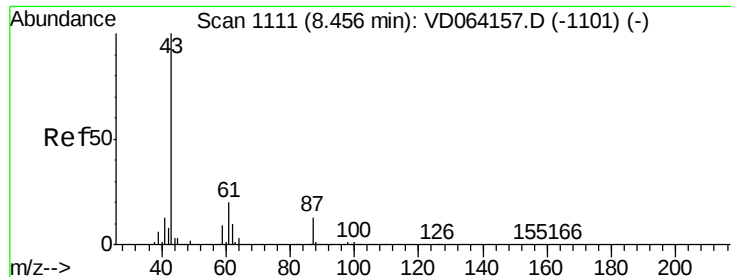
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.431 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0





#43

Isopropyl Acetate

Concen: 44.068 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

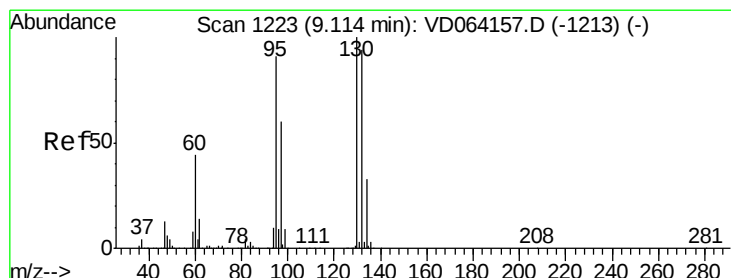
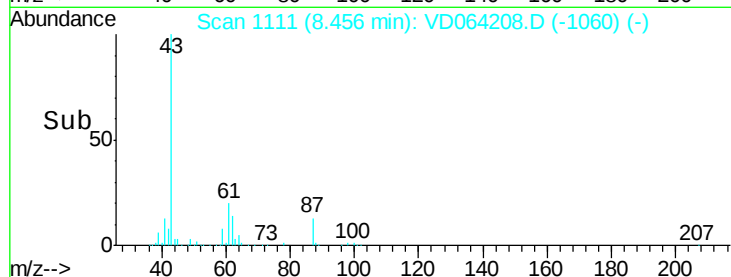
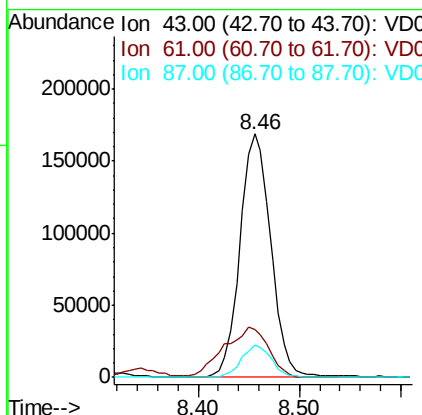
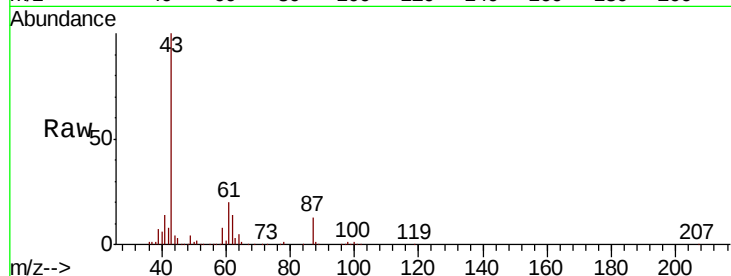
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	353796
Ion	Ratio	Lower	Upper
43	100		
61	30.1	22.9	34.3
87	13.0	10.2	15.2

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#44

Trichloroethene

Concen: 51.327 ug/l

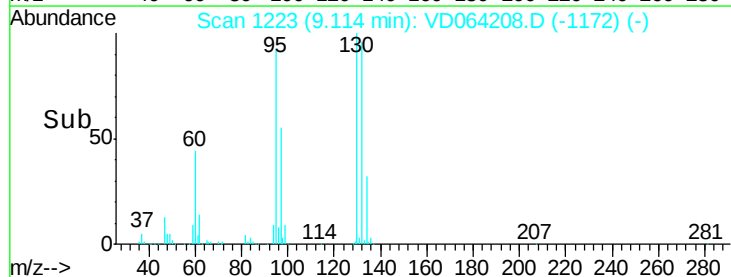
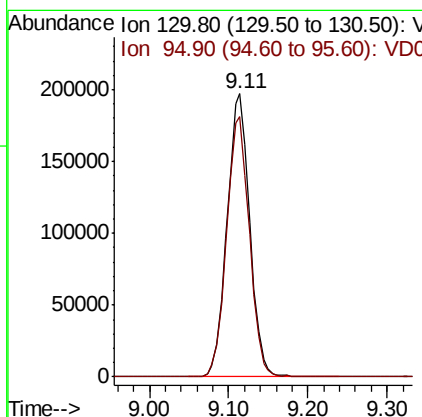
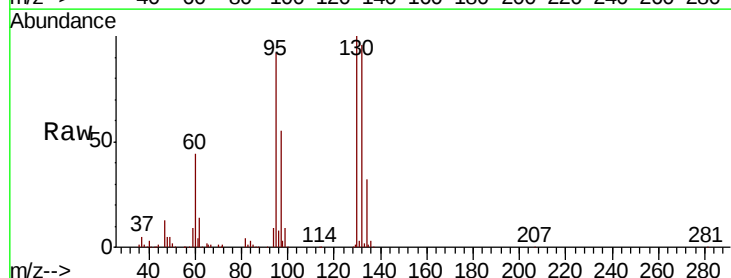
RT: 9.11 min Scan# 1223

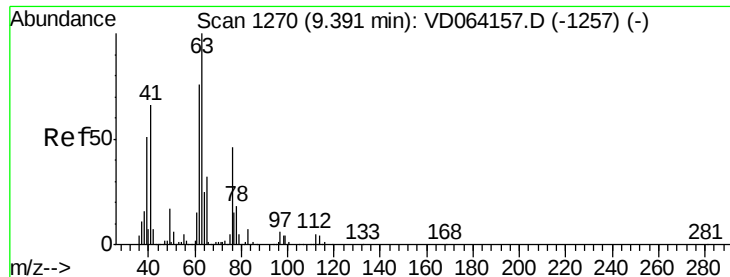
Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Tgt Ion:	130	Resp:	389137
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	181.6





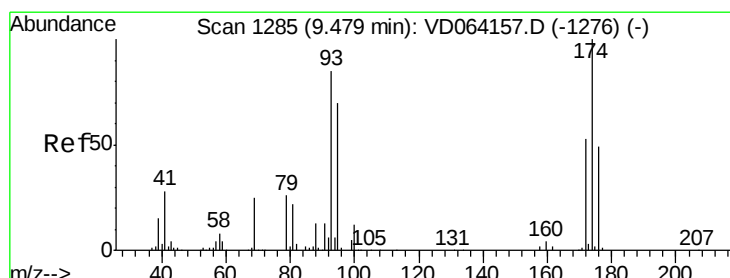
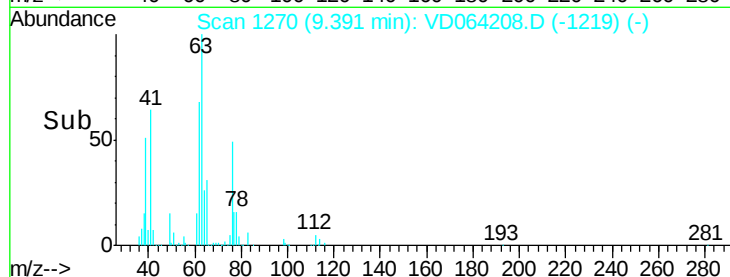
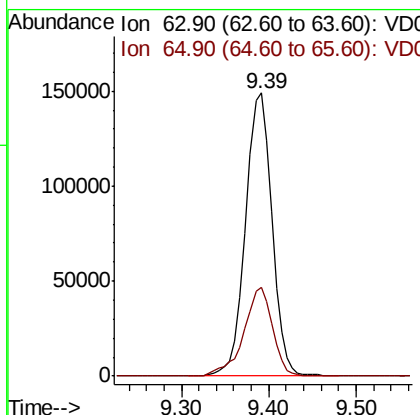
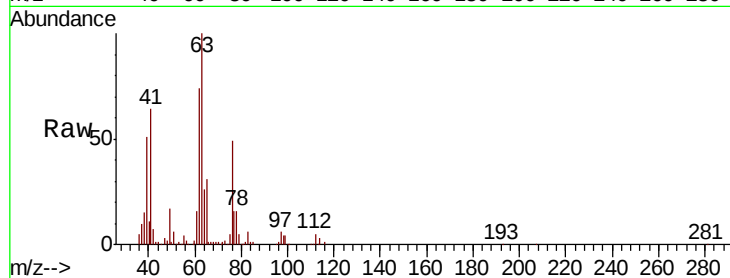
#45
 1,2-Dichloropropane
 Concen: 49.685 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.7	38.5

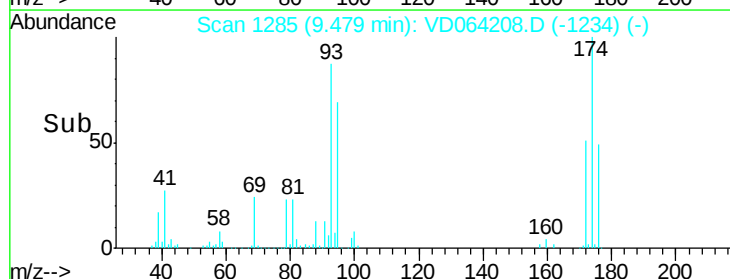
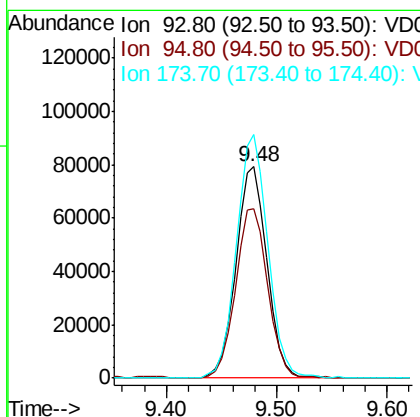
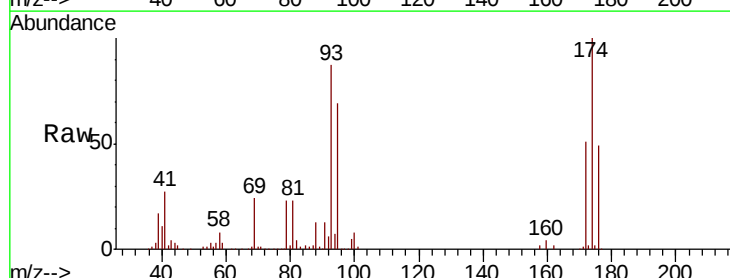
Manual Integrations
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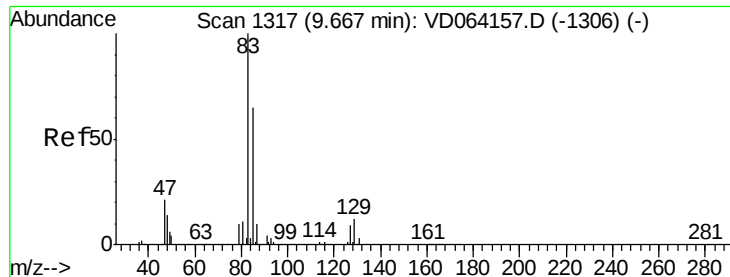
MMDadoda
 11/15/2019 3:06:02 PM



#46
 Dibromomethane
 Concen: 47.595 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.5	98.3
174	116.6	93.9	140.9





#47

Bromodichloromethane

Concen: 49.509 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

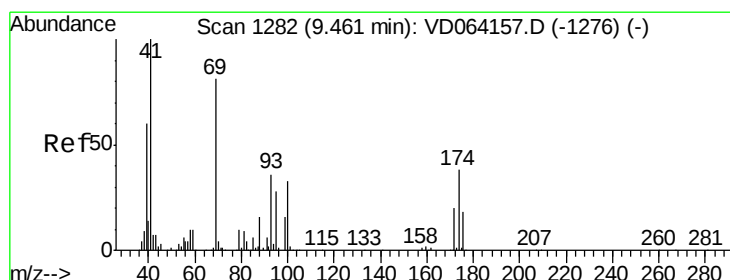
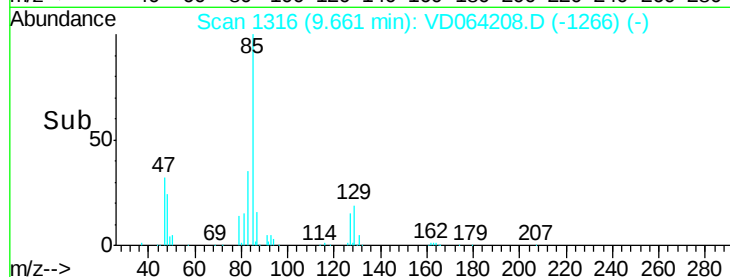
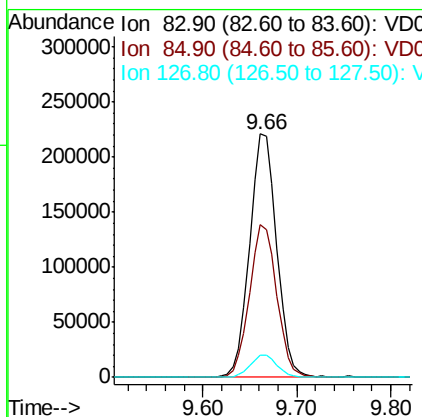
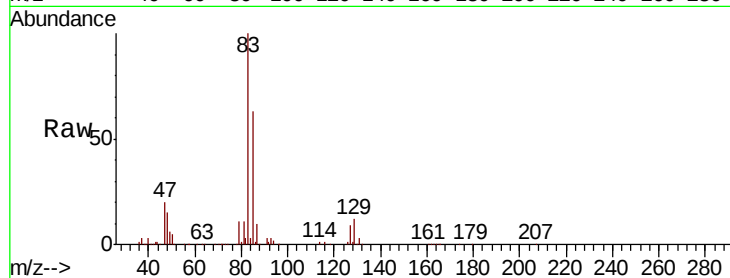
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	438955
Ion Ratio	Lower	Upper	
83	100		
85	63.0	52.2	78.4
127	9.2	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 42.862 ug/l

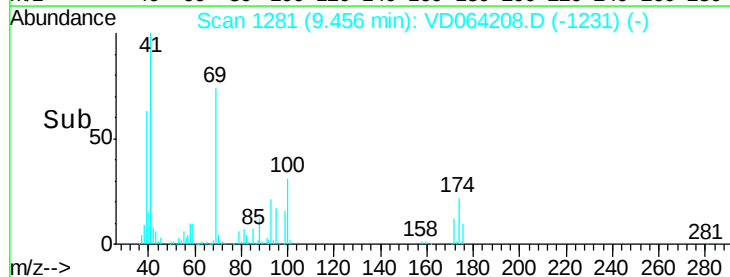
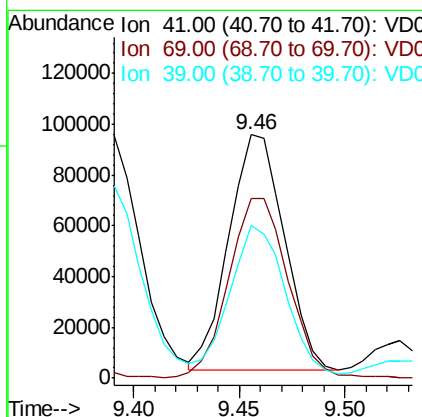
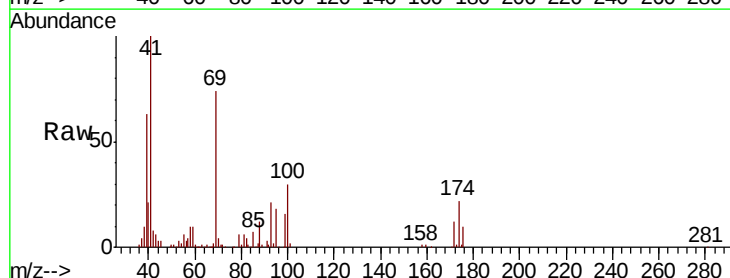
RT: 9.46 min Scan# 1281

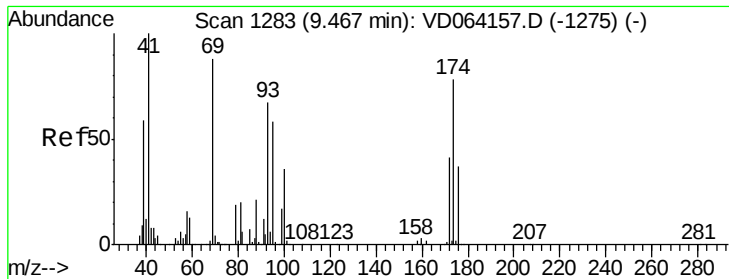
Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Tgt Ion:	41	Resp:	168264
Ion Ratio	Lower	Upper	
41	100		
69	81.9	64.6	97.0
39	62.8	48.2	72.2





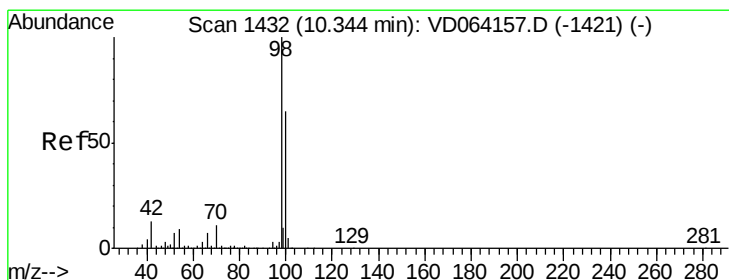
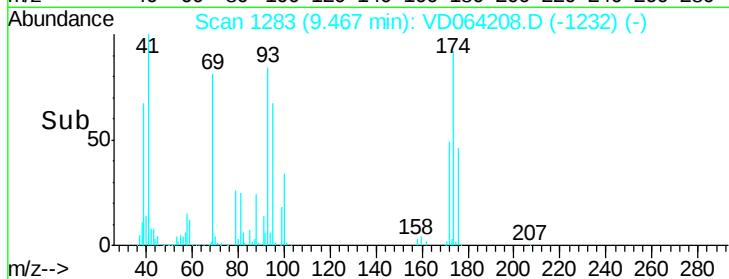
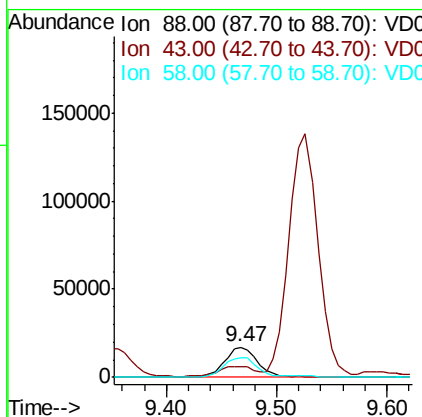
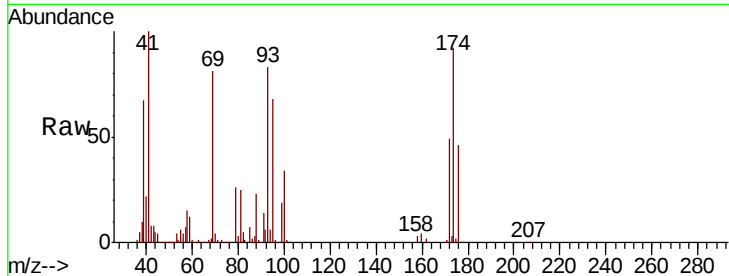
#49
1,4-Dioxane
Concen: 903.387 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	29.8	44.8
58	69.1	58.1	87.1

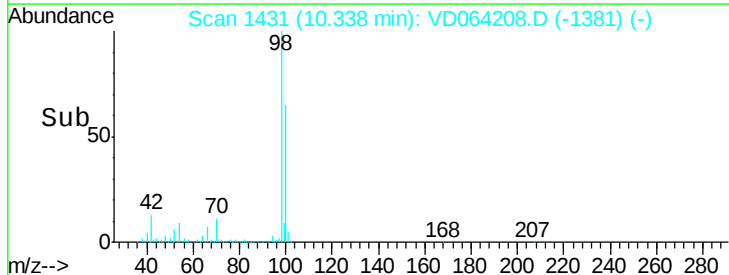
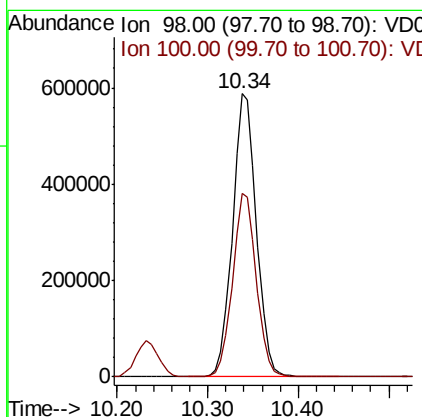
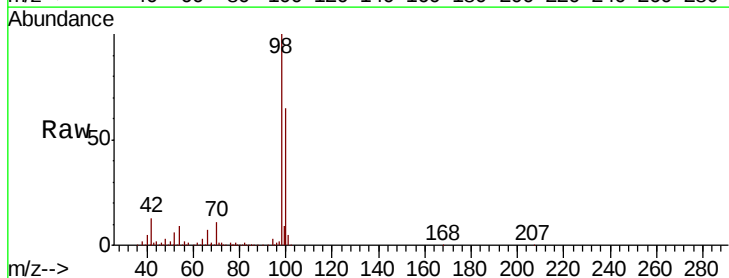
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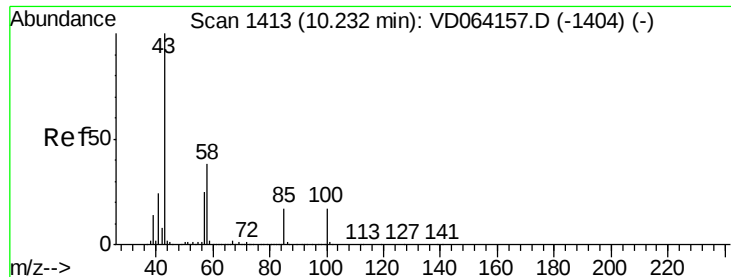
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#50
Toluene-d8
Concen: 49.526 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 218.936 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 842891

Ion Ratio Lower Upper

43 100

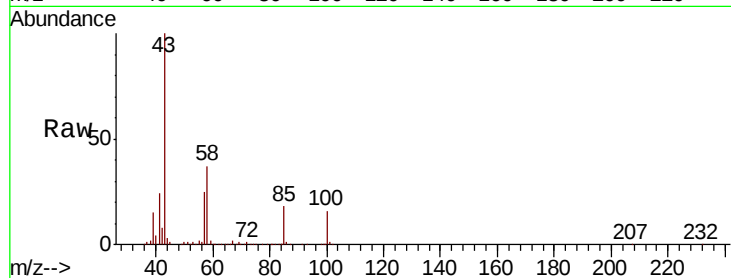
58 38.2 30.2 45.4

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

500000

400000

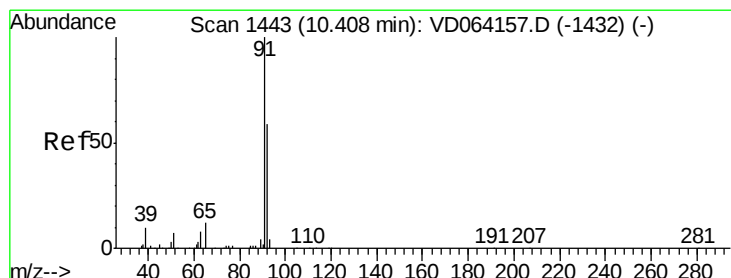
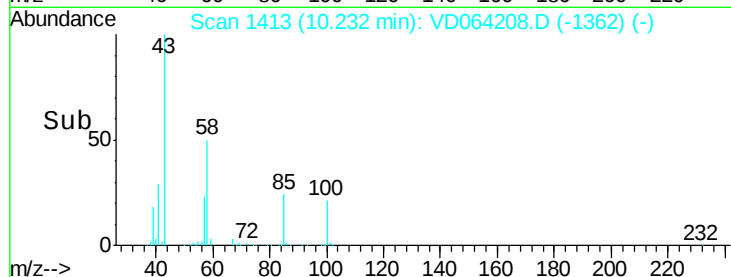
300000

200000

100000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 50.453 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064208.D

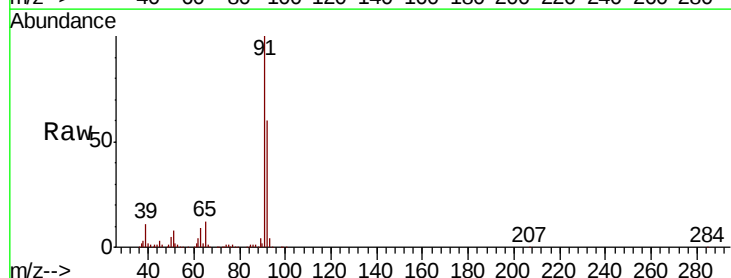
Acq: 14 Nov 2019 11:26

Tgt Ion: 92 Resp: 838039

Ion Ratio Lower Upper

92 100

91 171.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

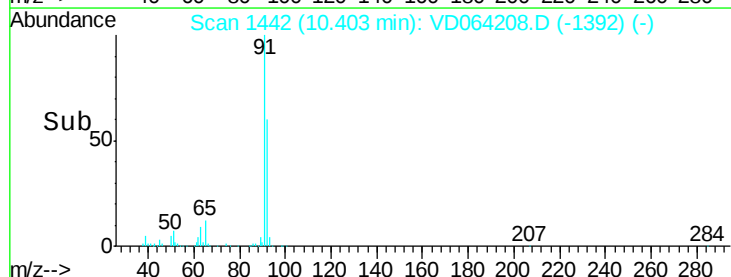
600000

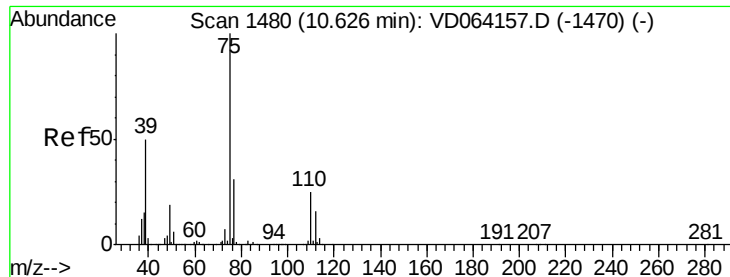
400000

200000

0

Time--> 10.30 10.40 10.50





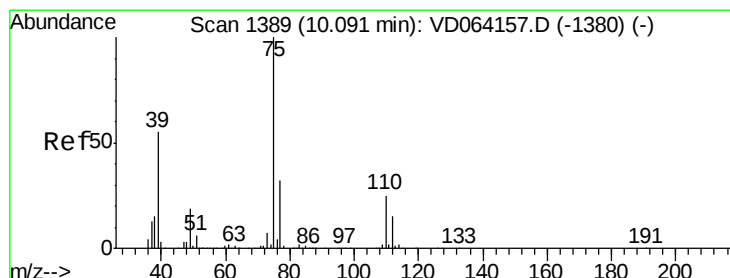
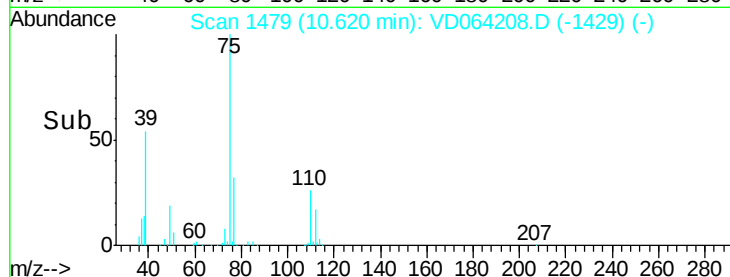
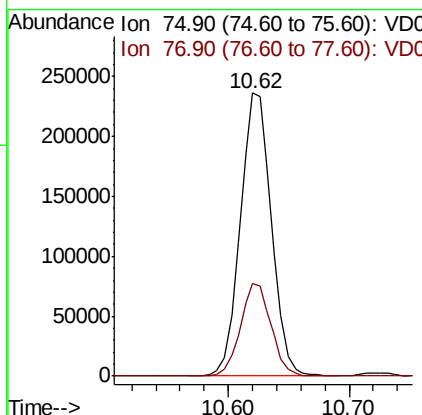
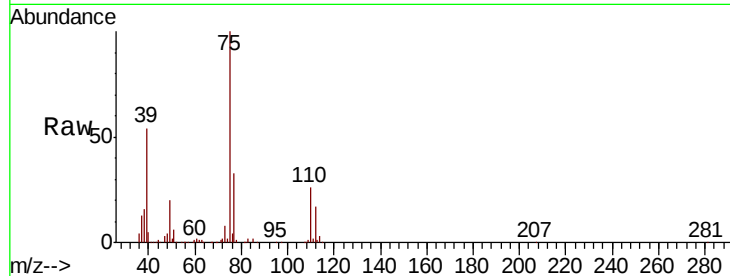
#53
t-1,3-Dichloropropene
Concen: 47.638 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 423144
Ion Ratio Lower Upper
75 100
77 32.6 24.7 37.1

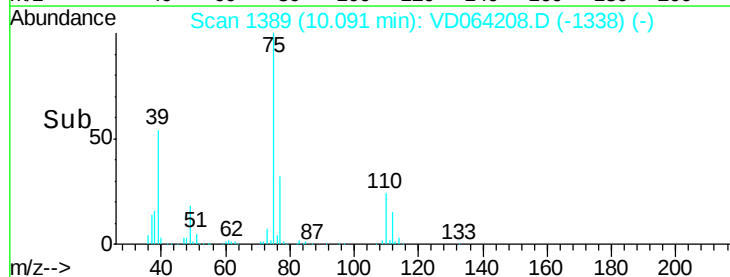
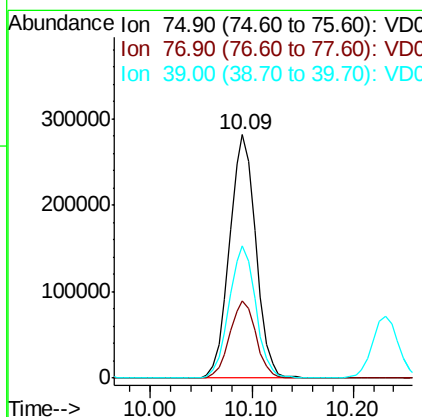
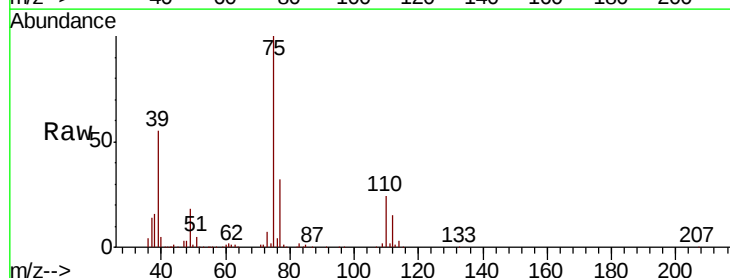
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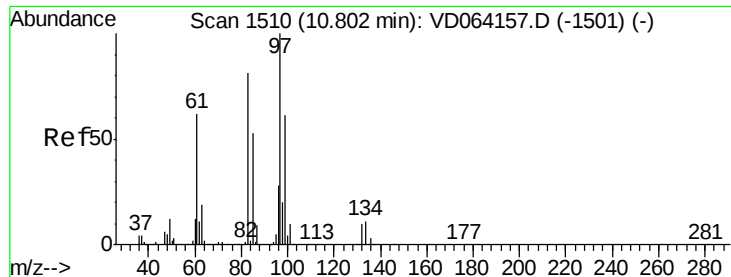
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#54
cis-1,3-Dichloropropene
Concen: 49.005 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 75 Resp: 507944
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 54.3 44.2 66.2





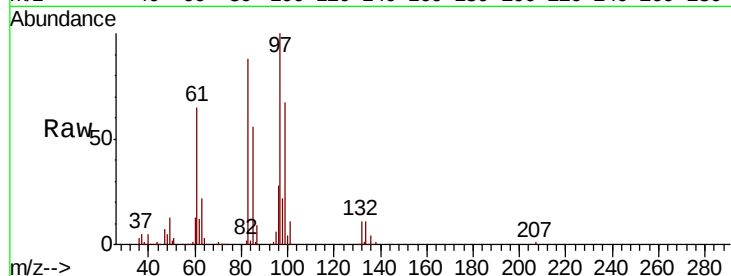
#55
 1,1,2-Trichloroethane
 Concen: 48.256 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

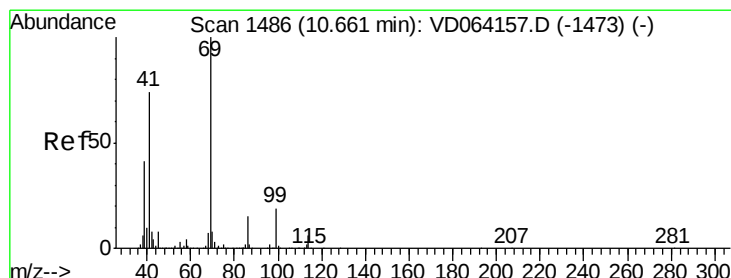
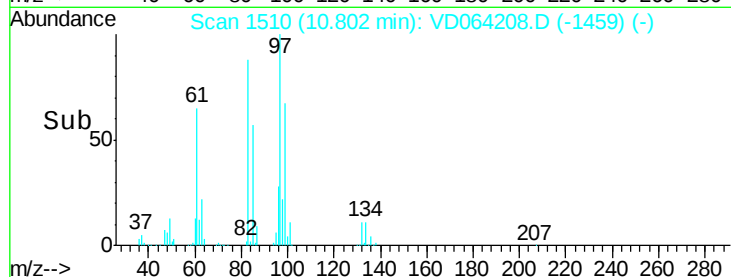
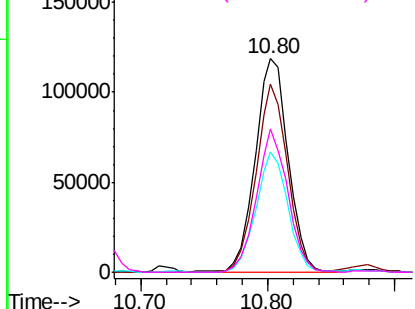
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		215474		
83	87.8	65.1	97.7		
85	56.3	42.0	63.0		
99	66.8	48.9	73.3		

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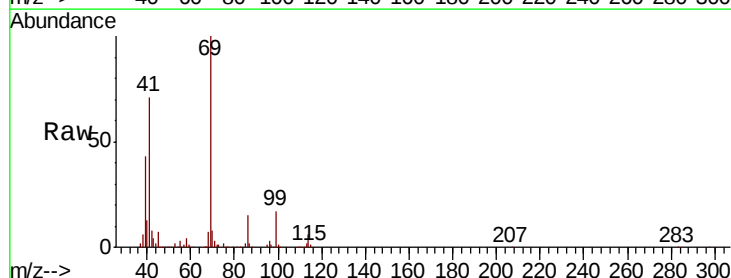


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

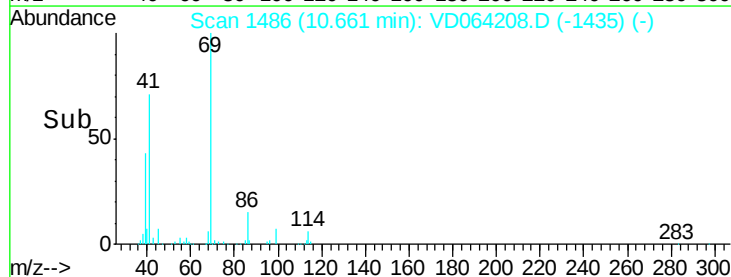
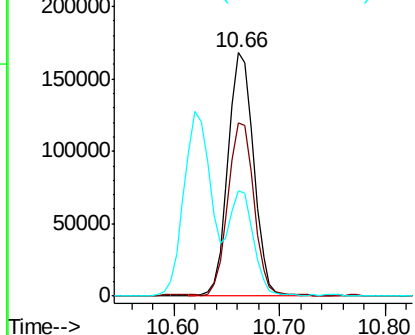


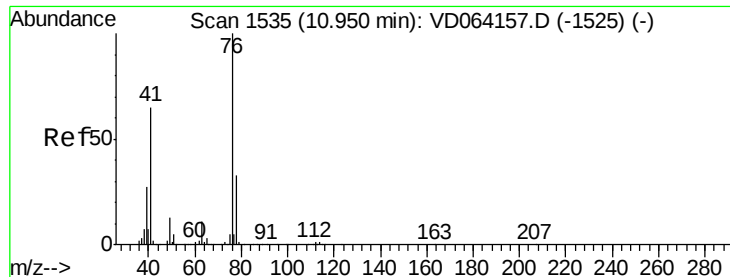
#56
 Ethyl methacrylate
 Concen: 45.015 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		281178		
41	71.6	57.9	86.9		
39	41.4	29.0	43.4		



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





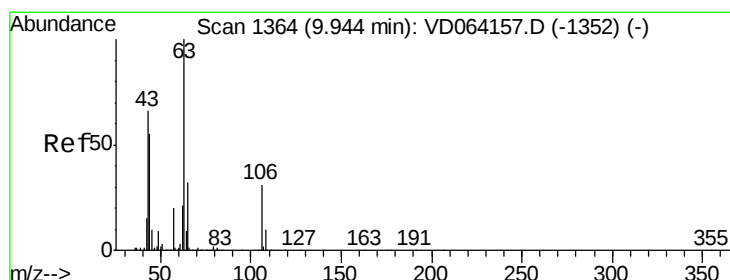
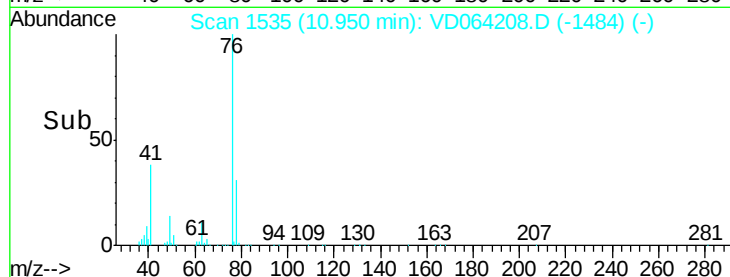
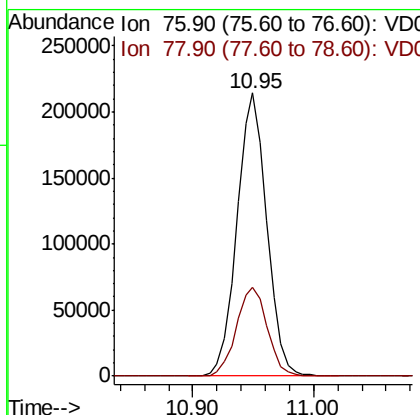
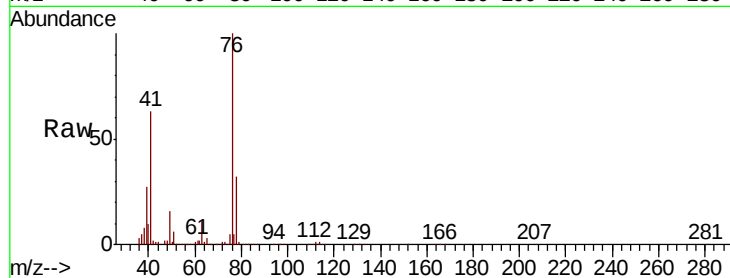
#57
 1,3-Dichloropropane
 Concen: 47.282 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 368198
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.4

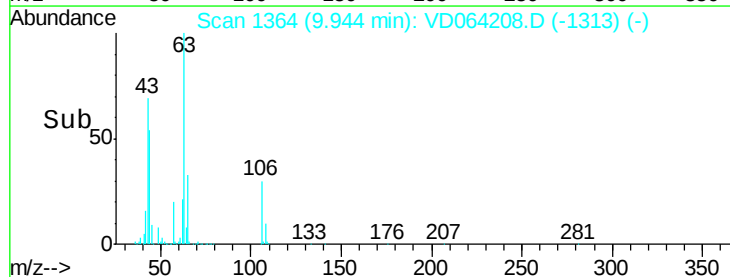
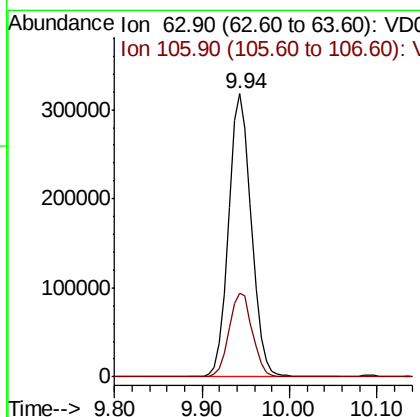
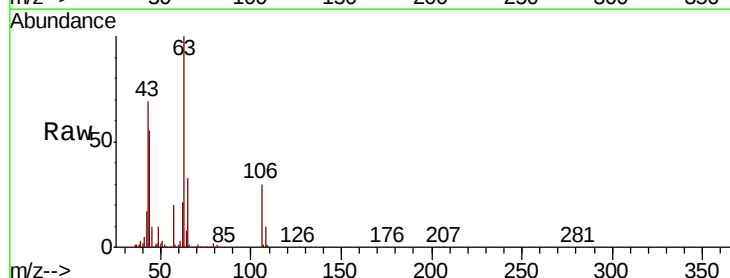
Manual Integrations
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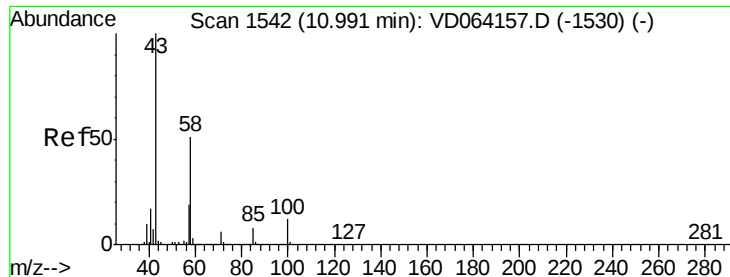
MMDadoda
 11/15/2019 3:06:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 222.463 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion: 63 Resp: 562875
 Ion Ratio Lower Upper
 63 100
 106 30.2 24.1 36.1





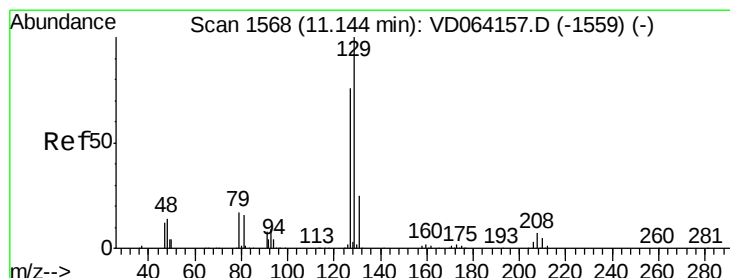
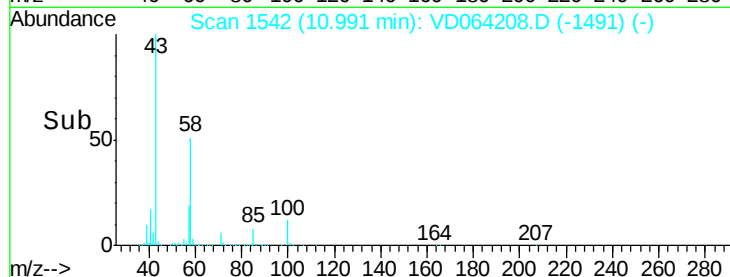
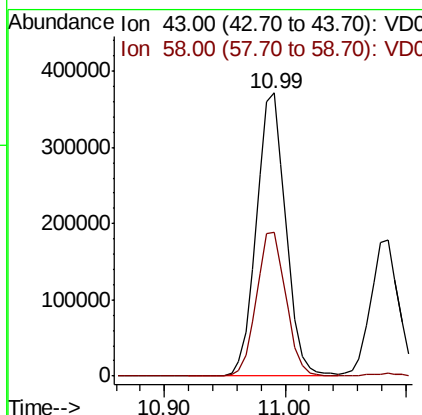
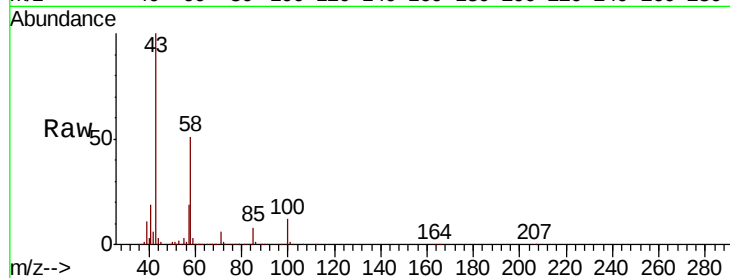
#59
2-Hexanone
Concen: 229.567 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 628788
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7

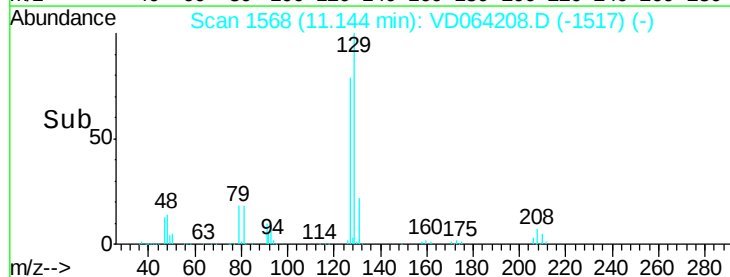
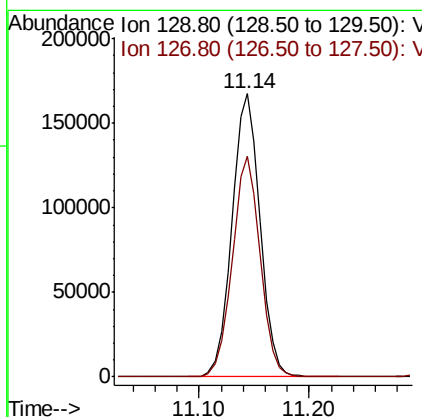
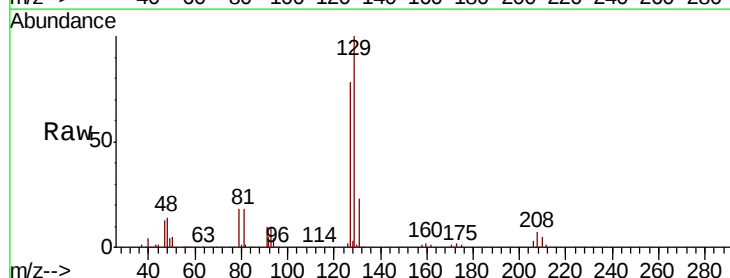
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#60
Dibromochloromethane
Concen: 47.969 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 129 Resp: 298876
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





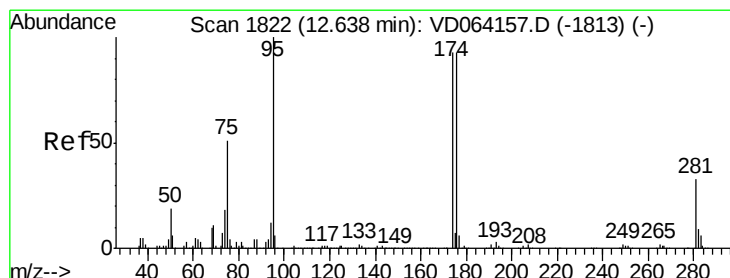
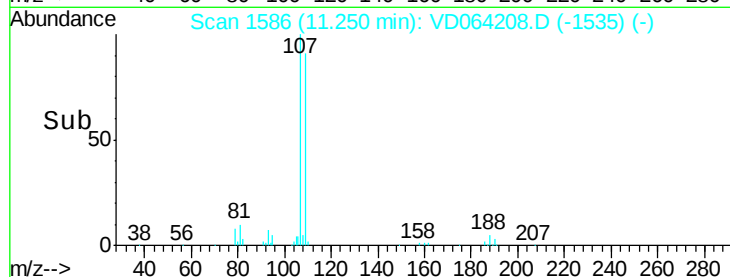
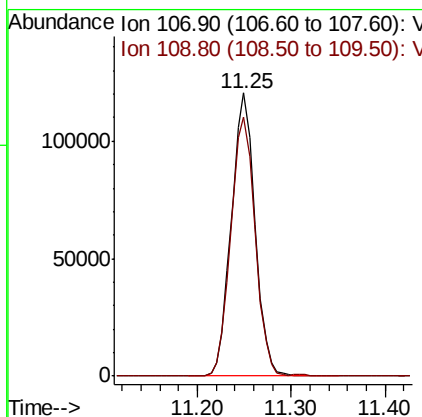
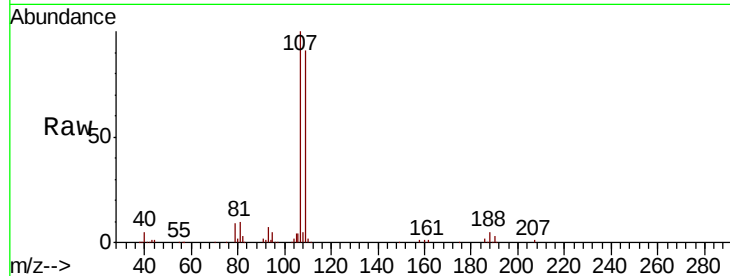
#61
 1,2-Dibromoethane
 Concen: 47.173 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	210973		
109	94.3	75.1	112.7	

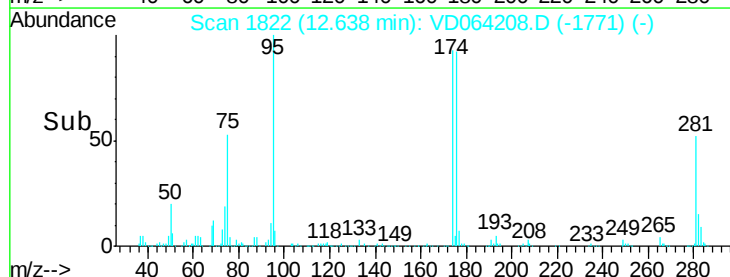
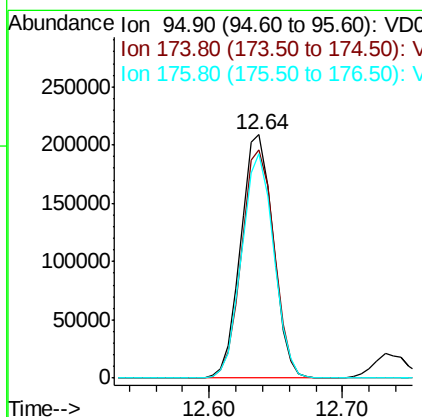
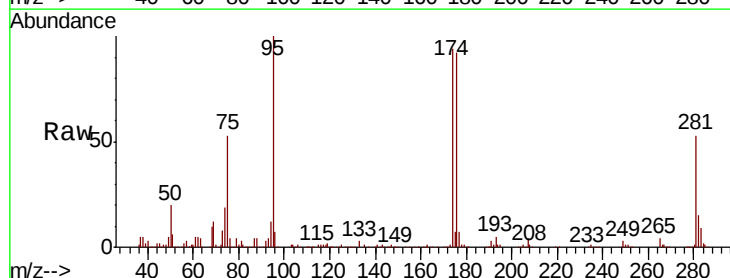
Manual Integrations
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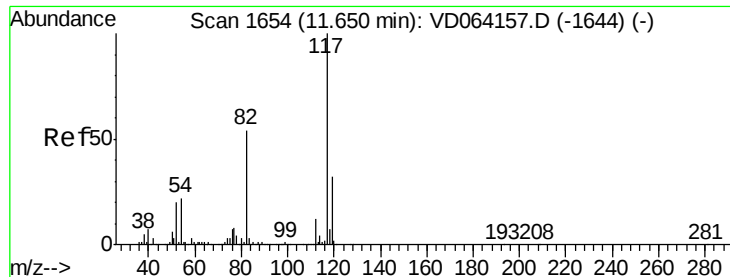
MMDadoda
 11/15/2019 3:06:02 PM



#62
 4-Bromofluorobenzene
 Concen: 46.695 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	350678		
174	94.3	0.0	183.6	
176	91.0	0.0	180.2	





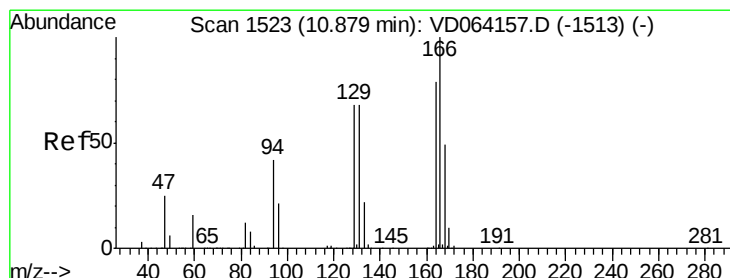
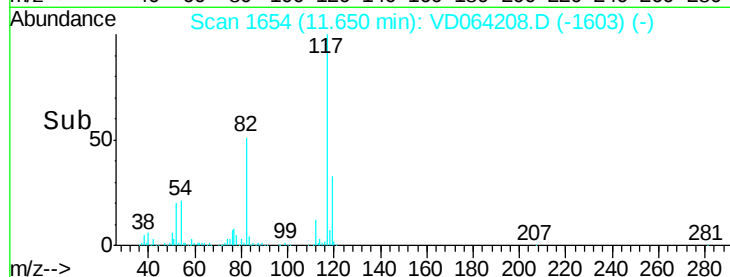
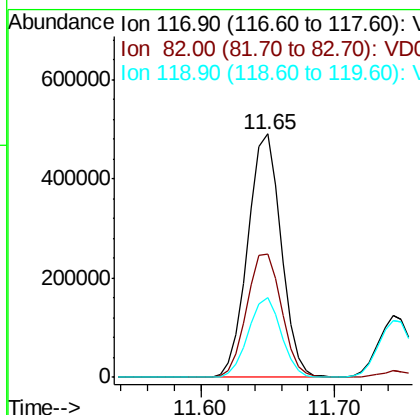
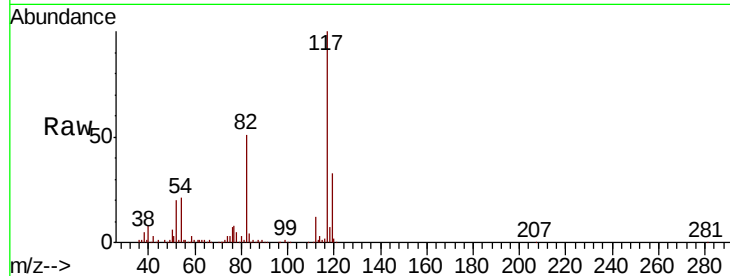
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	42.8	64.2
119	32.8	25.6	38.4

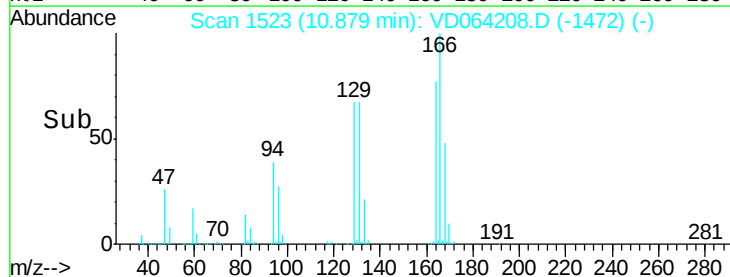
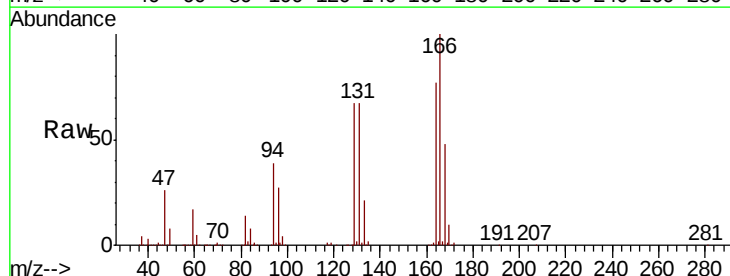
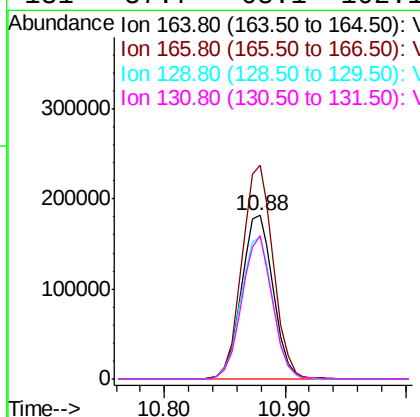
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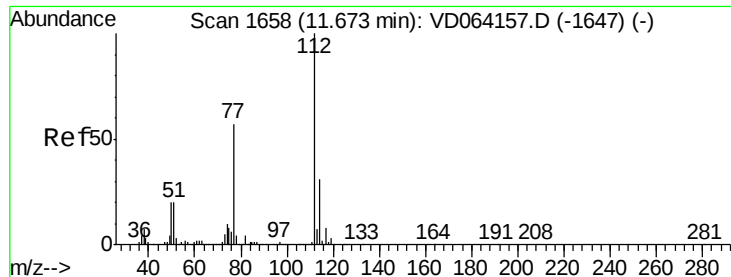
MMDadoda
11/15/2019 3:06:02 PM



#64
Tetrachloroethene
Concen: 50.980 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	100.8	151.2
129	87.3	68.7	103.1
131	87.7	68.1	102.1





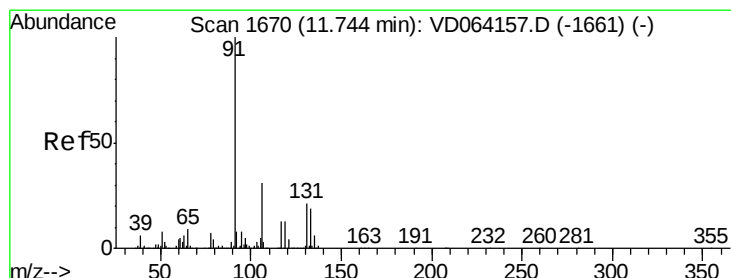
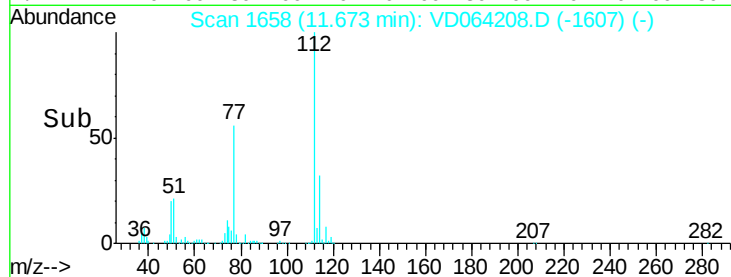
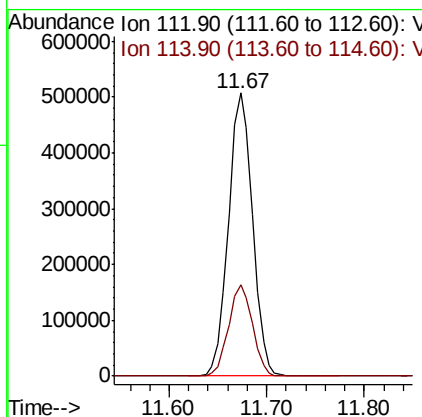
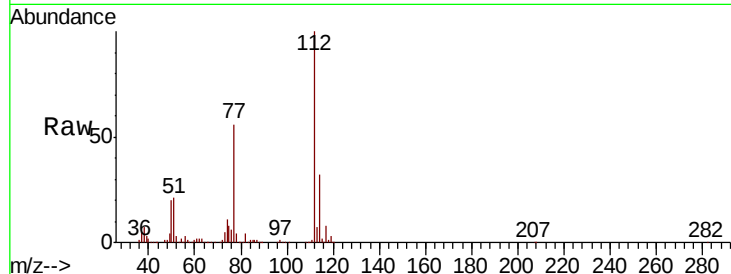
#65
Chlorobenzene
Concen: 50.467 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.2	37.8

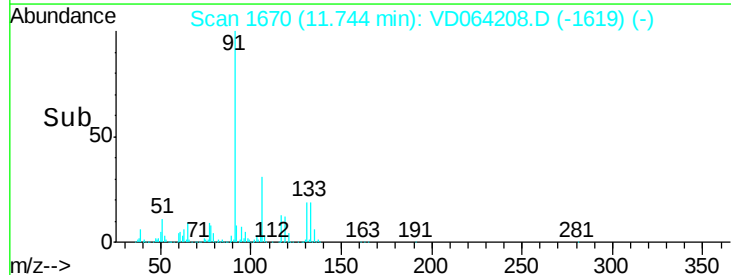
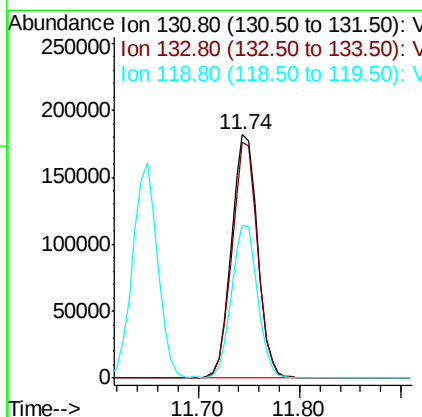
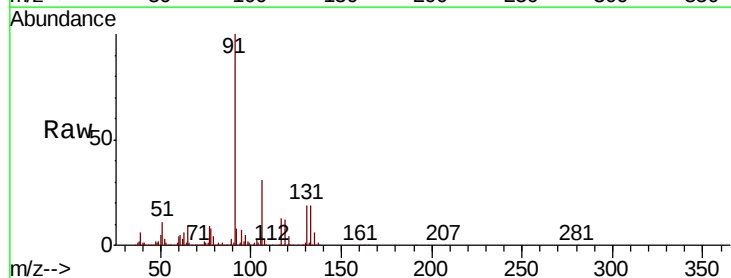
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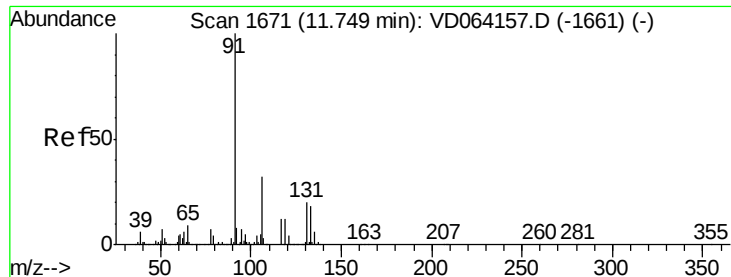
MMDadoda
11/15/2019 3:06:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.603 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.9
119	62.8	31.1	93.3





#67

Ethyl Benzene

Concen: 51.808 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1614171

Ion Ratio Lower Upper

91 100

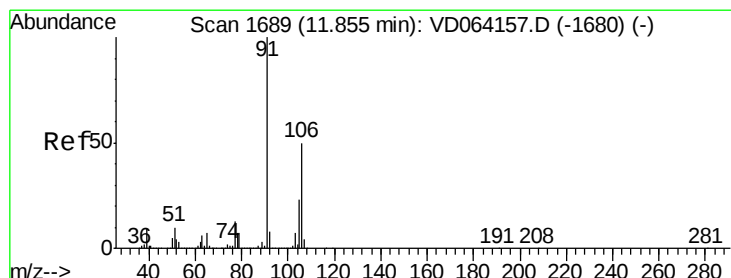
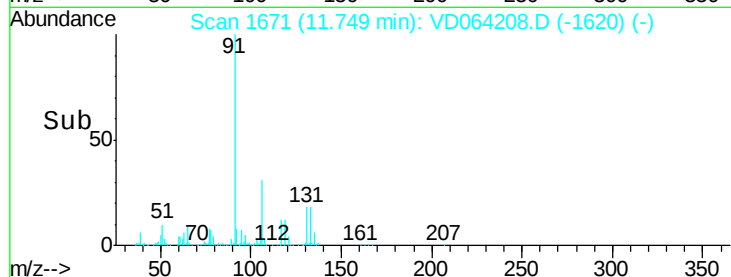
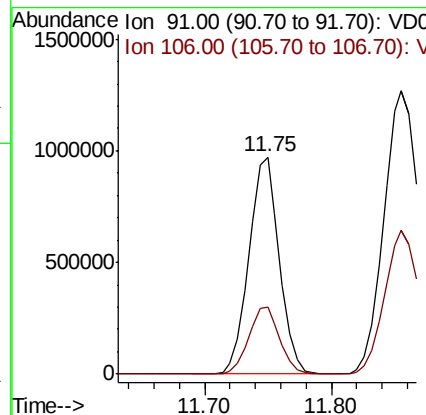
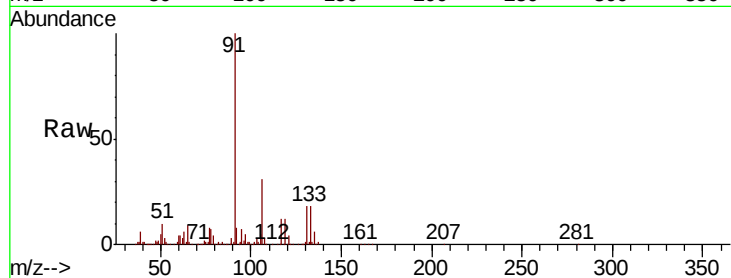
106 30.7 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.295 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064208.D

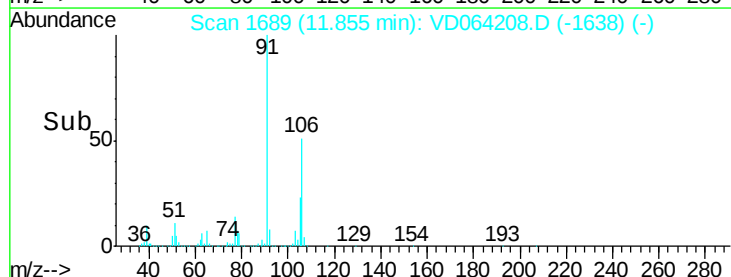
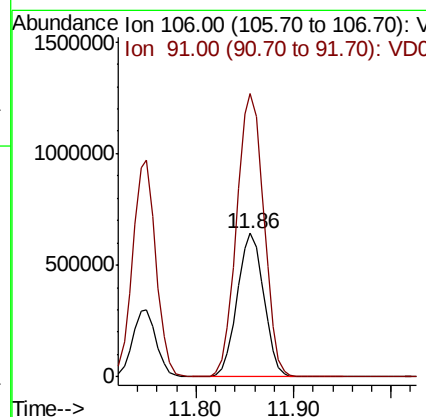
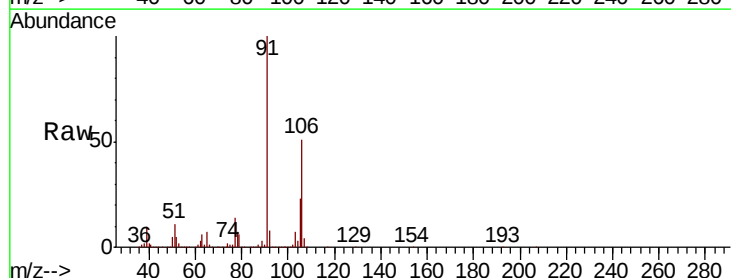
Acq: 14 Nov 2019 11:26

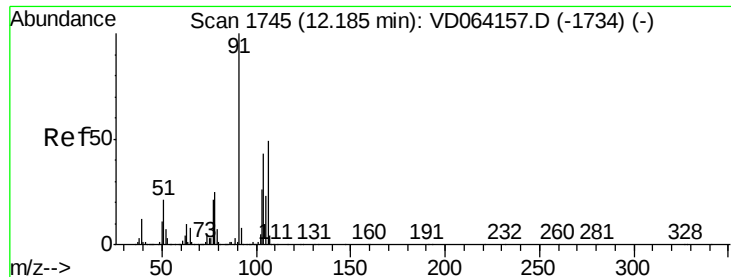
Tgt Ion: 106 Resp: 1221666

Ion Ratio Lower Upper

106 100

91 200.8 160.3 240.5





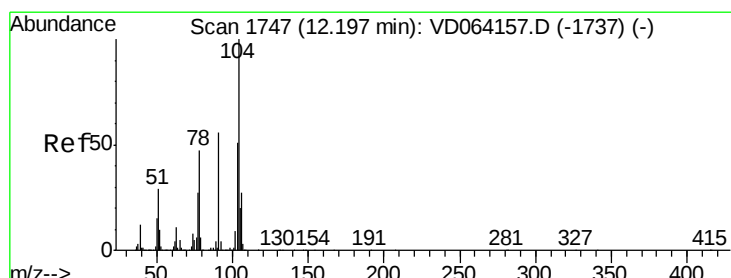
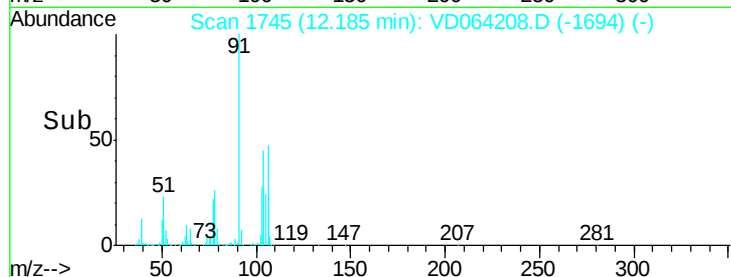
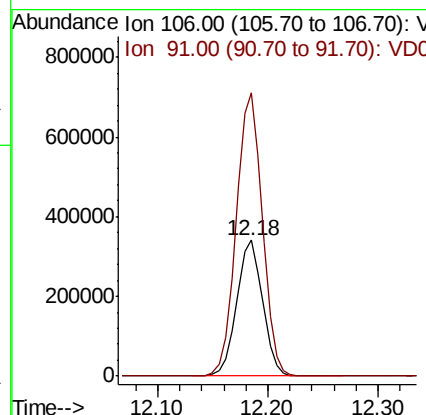
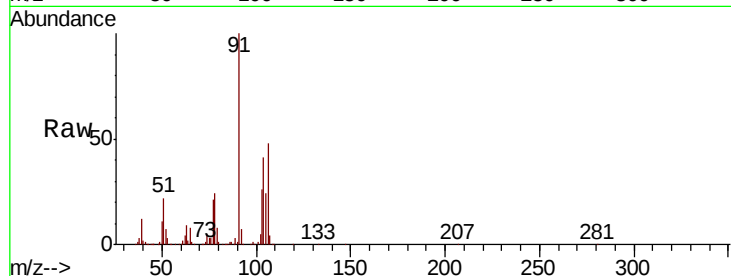
#69
o-Xylene
Concen: 50.583 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	560251		
91	211.0	105.1	315.3	

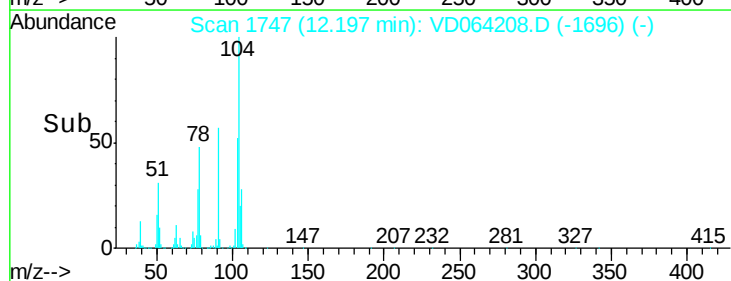
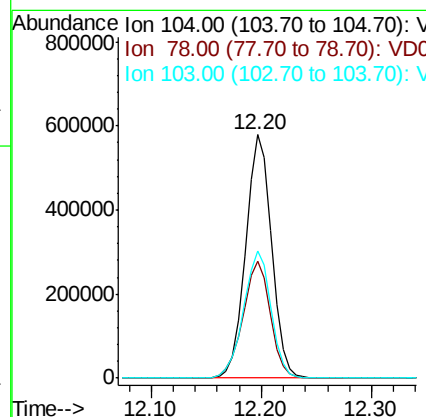
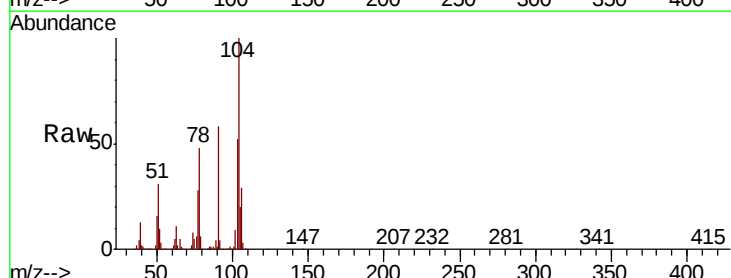
Manual Integrations
APPROVED

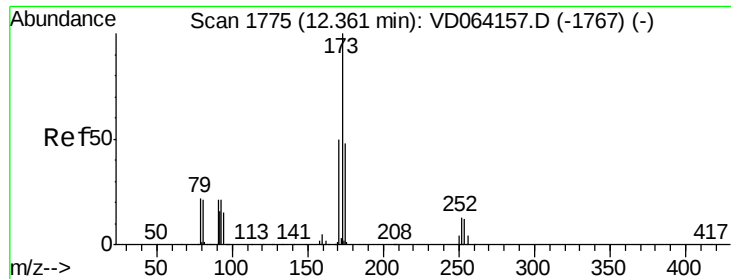
MMDadoda
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#70
Styrene
Concen: 49.322 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	953585		
78	50.9	39.9	59.9	
103	55.6	43.4	65.0	





#71

Bromoform

Concen: 47.437 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

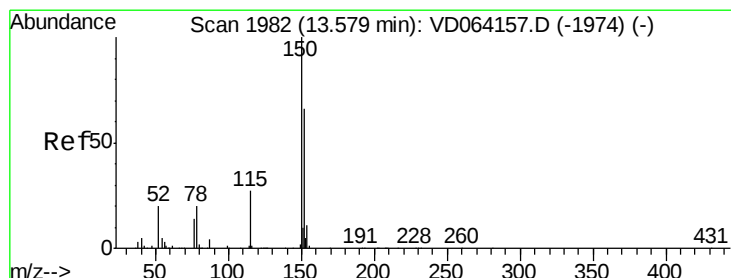
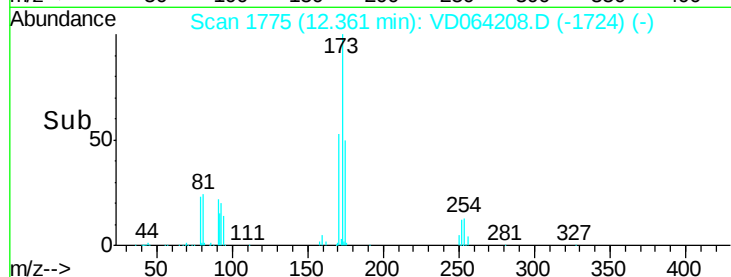
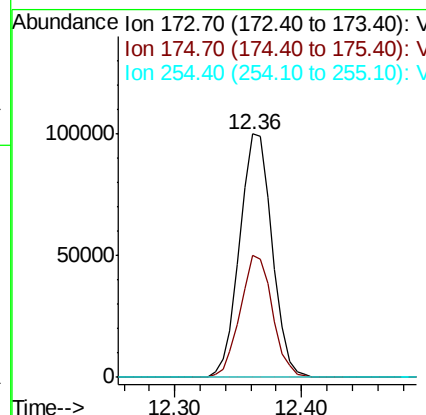
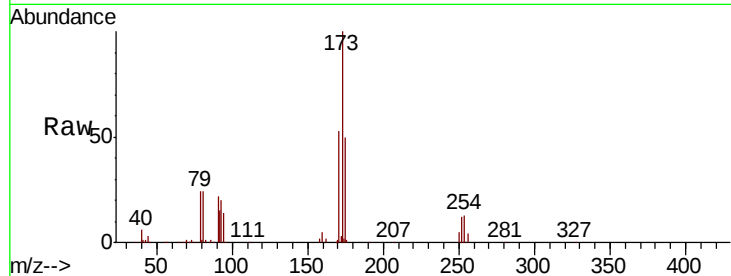
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	176817
Ion Ratio	Lower	Upper	
173	100		
175	49.9	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

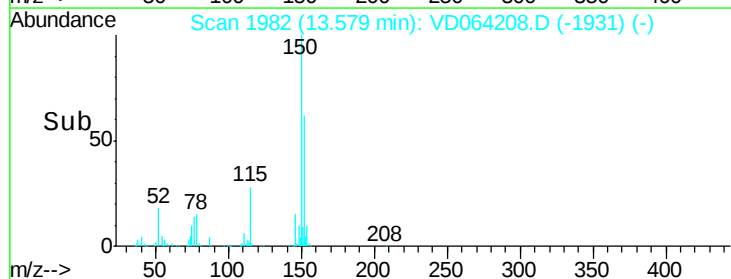
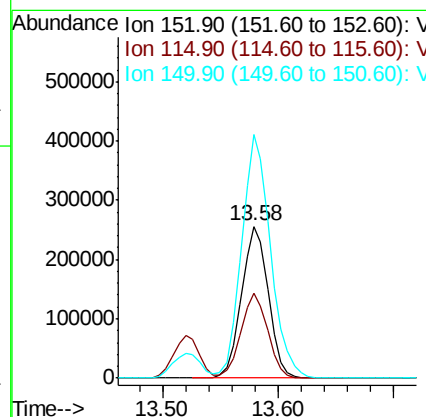
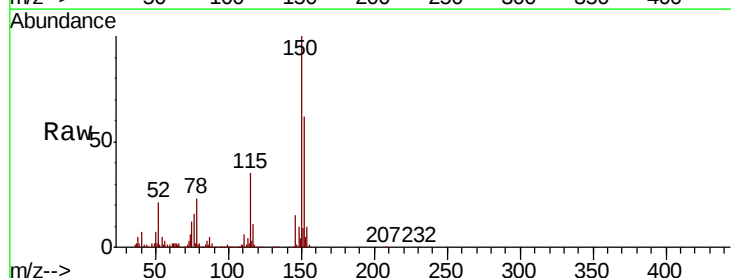
RT: 13.58 min Scan# 1982

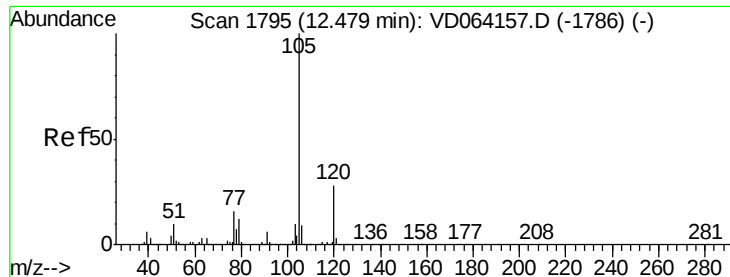
Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Tgt Ion:	152	Resp:	408944
Ion Ratio	Lower	Upper	
152	100		
115	55.4	27.4	82.2
150	173.4	0.0	351.6





#73

Isopropylbenzene

Concen: 51.662 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1550711

Ion Ratio Lower Upper

105 100

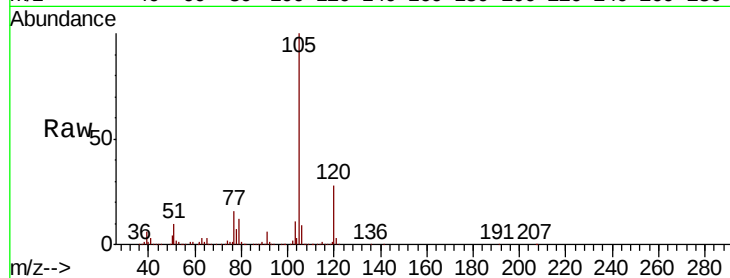
120 27.3 13.6 40.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

1000000

800000

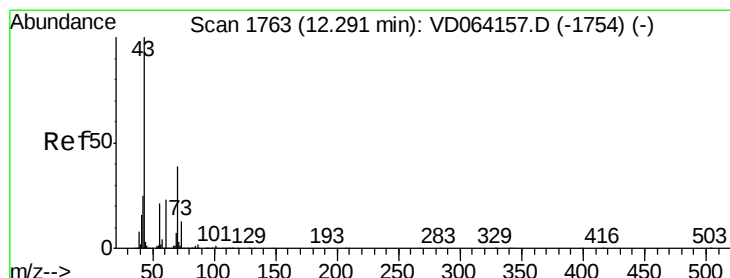
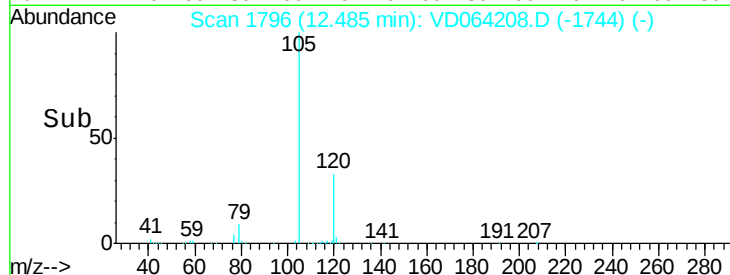
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 45.492 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Tgt Ion: 43 Resp: 322457

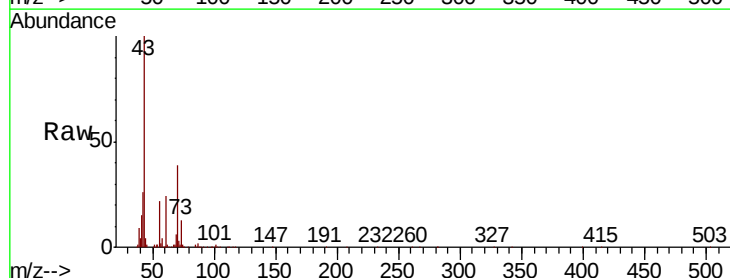
Ion Ratio Lower Upper

43 100

70 40.0 32.4 48.6

55 22.0 17.9 26.9

61 23.6 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

300000

250000

200000

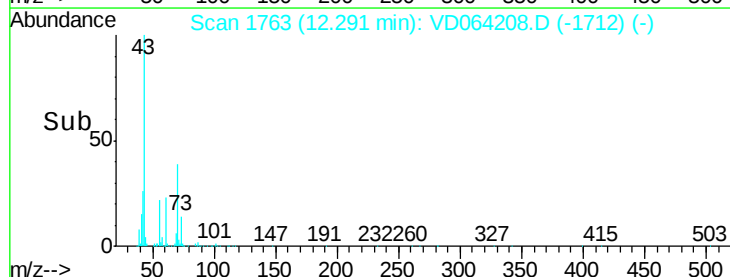
150000

100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.584 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

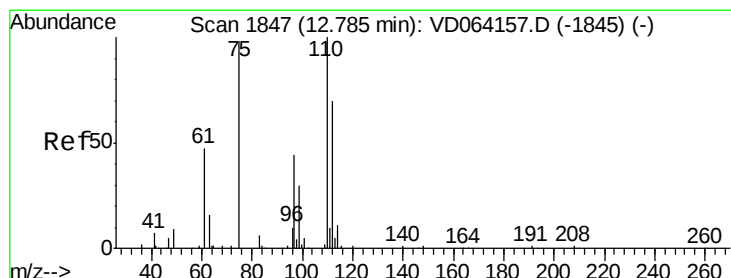
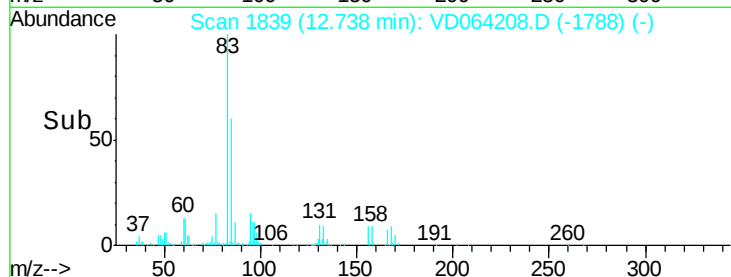
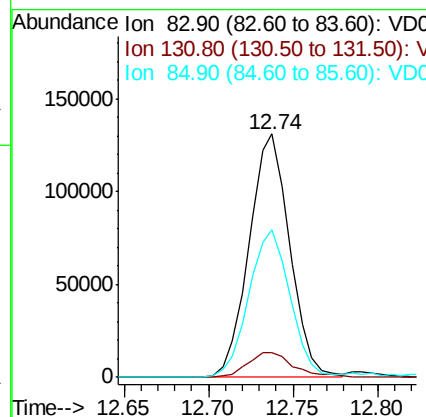
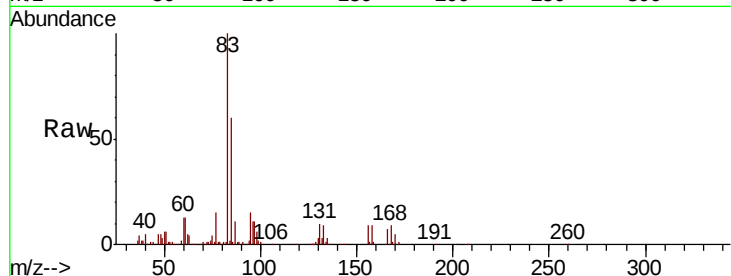
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	219741
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.9	17.7
85	61.7	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 40.079 ug/l m

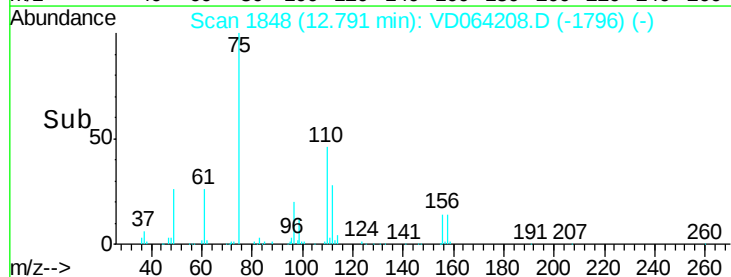
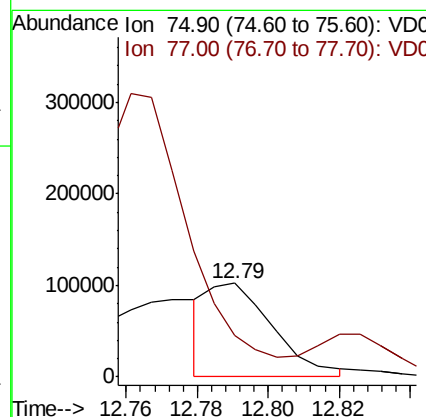
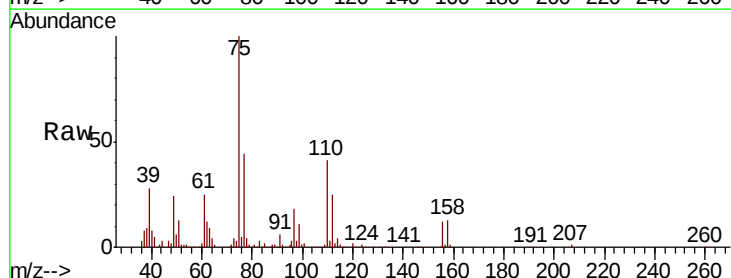
RT: 12.79 min Scan# 1848

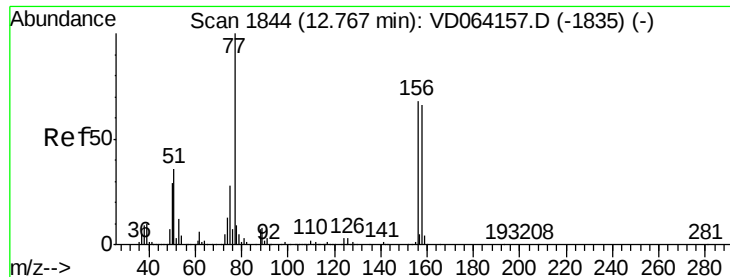
Delta R.T. 0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Tgt Ion:	75	Resp:	132016
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.894 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

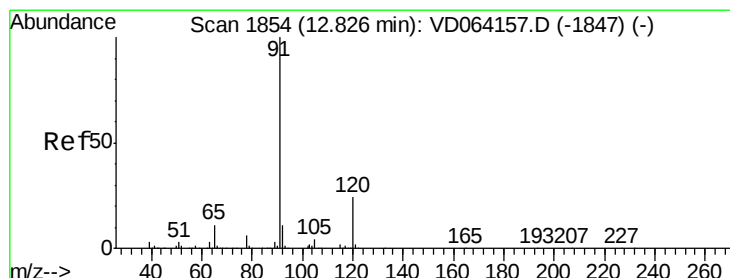
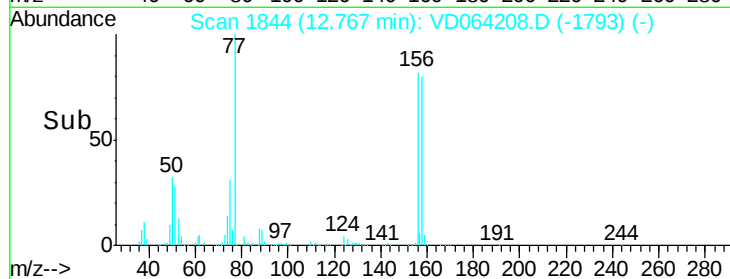
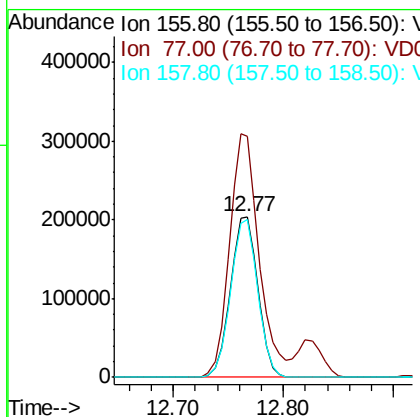
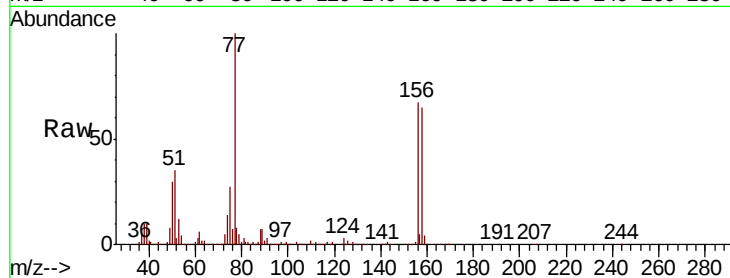
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	356551
Ion Ratio	Lower	Upper	
156	100		
77	162.5	81.2	243.4
158	97.0	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 51.786 ug/l

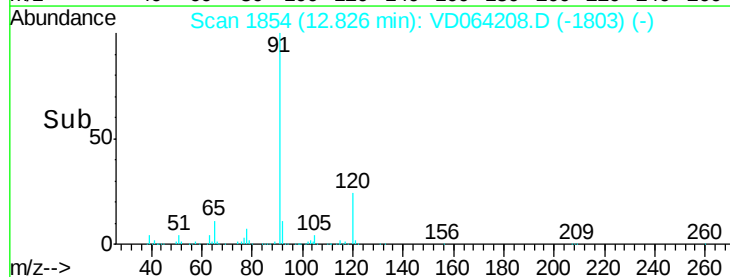
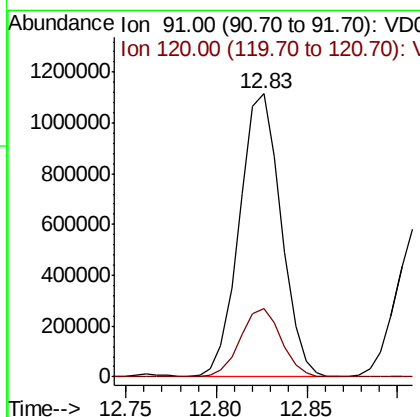
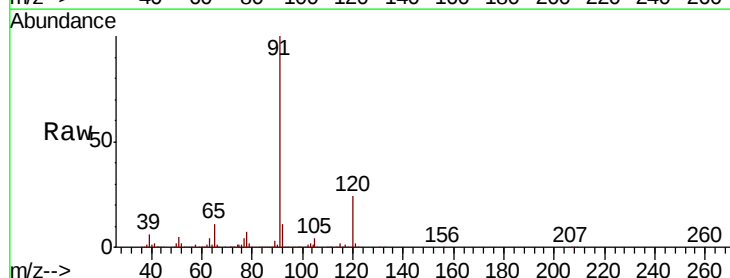
RT: 12.83 min Scan# 1854

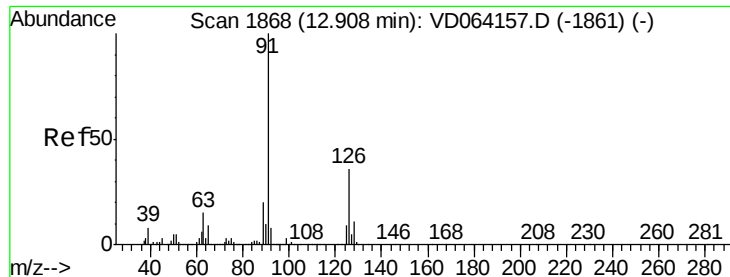
Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Tgt Ion:	91	Resp:	1775951
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.4





#79

2-Chlorotoluene

Concen: 50.232 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 972589

Ion Ratio Lower Upper

91 100

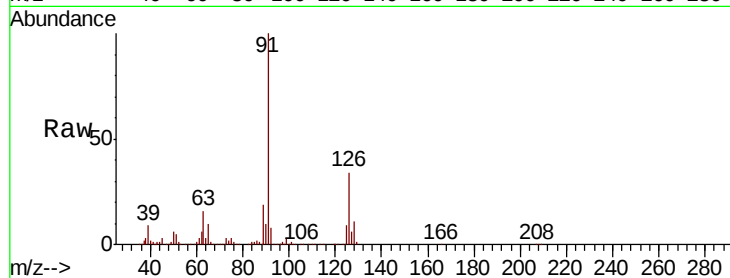
126 35.1 17.7 53.1

Manual Integrations

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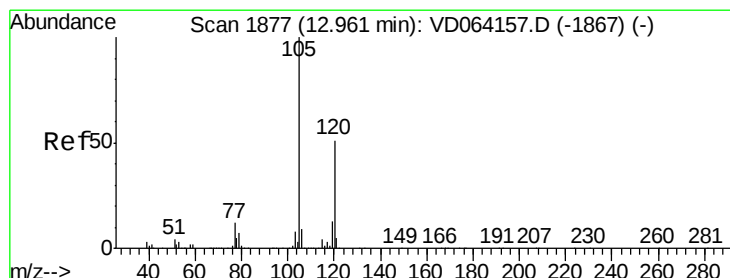
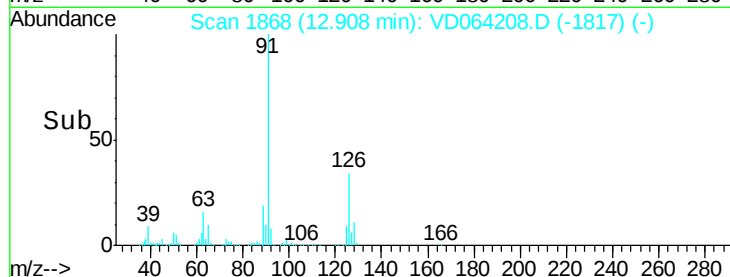
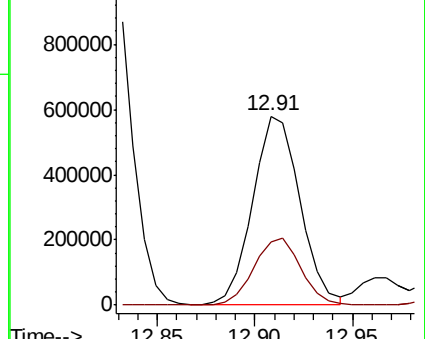
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.508 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD064208.D

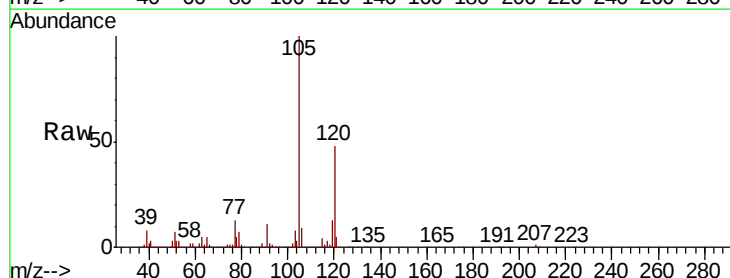
Acq: 14 Nov 2019 11:26

Tgt Ion: 105 Resp: 1270415

Ion Ratio Lower Upper

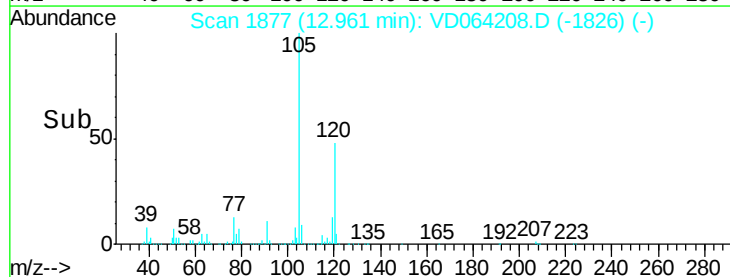
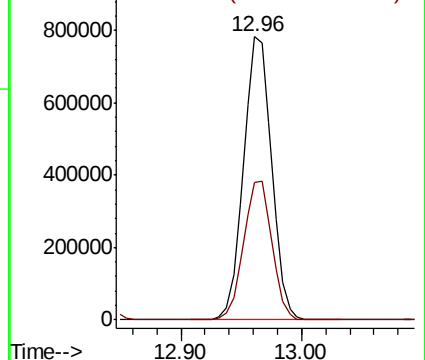
105 100

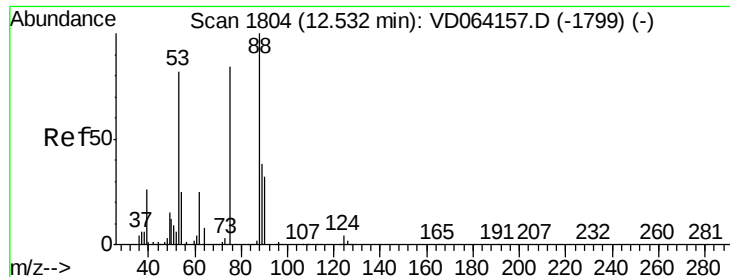
120 49.6 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





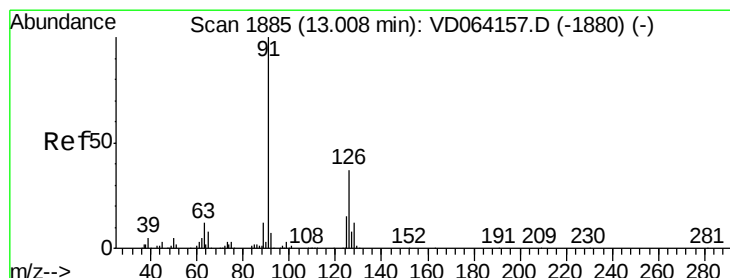
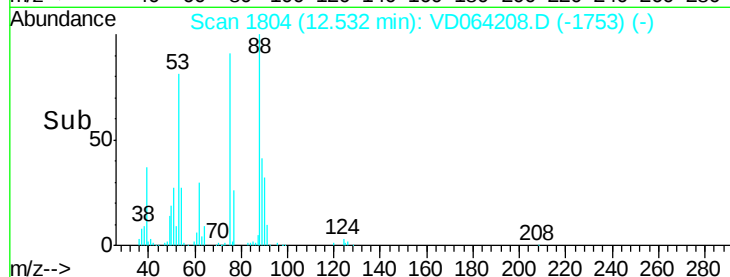
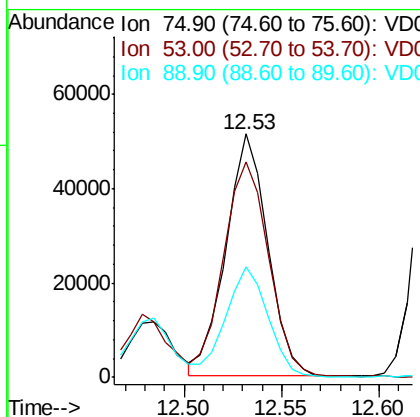
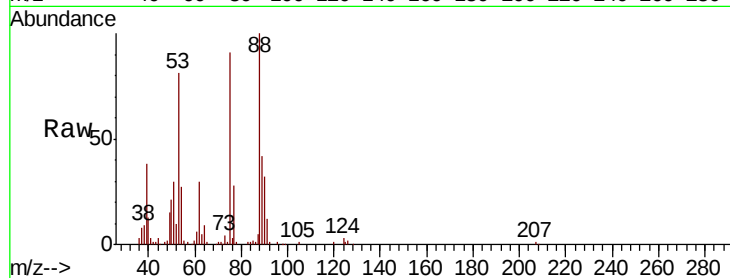
#81
trans-1,4-Dichloro-2-butene
Concen: 46.038 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.5	79.4	119.0
89	45.8	36.6	55.0

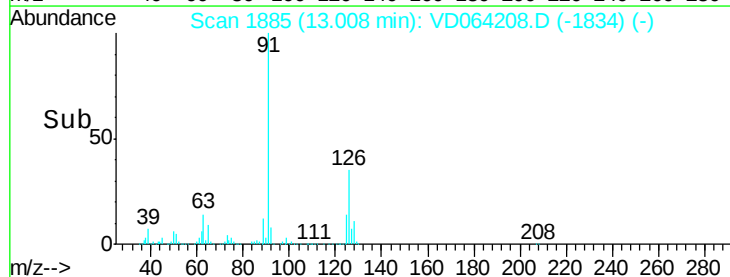
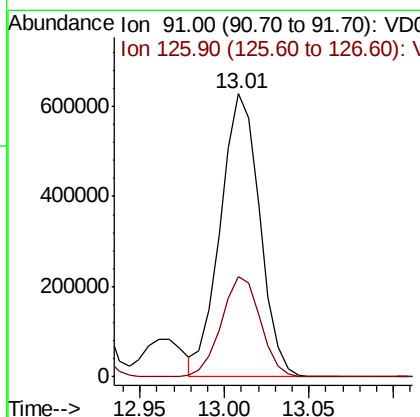
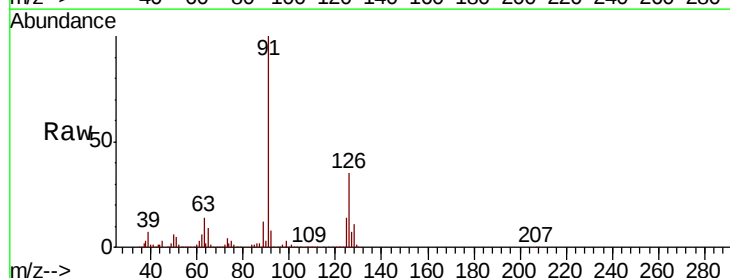
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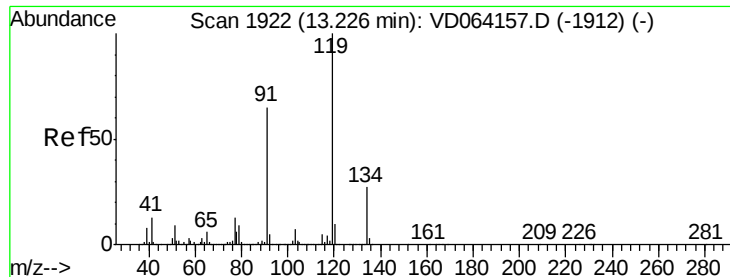
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#82
4-Chlorotoluene
Concen: 50.291 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.4





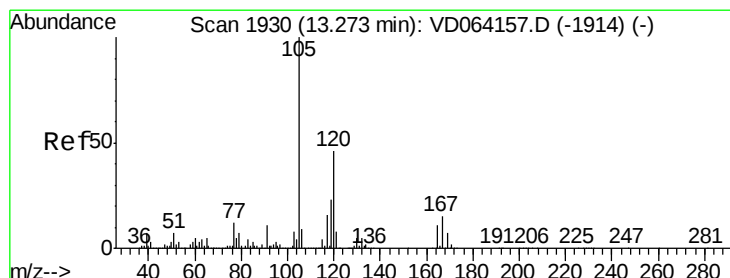
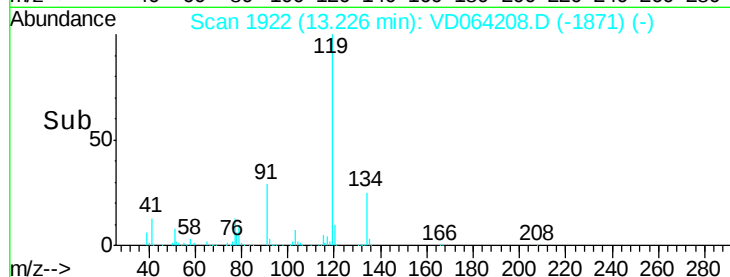
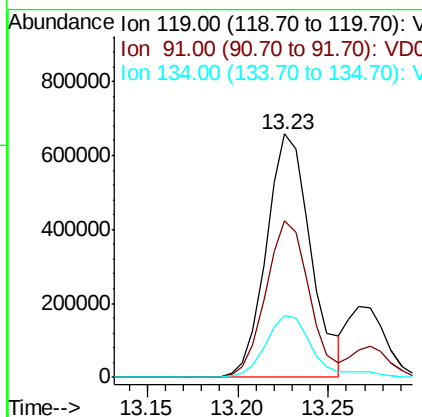
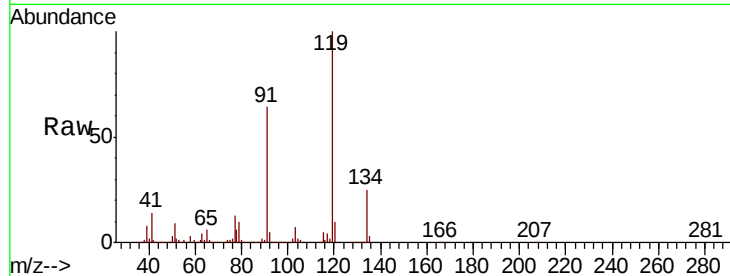
#83
tert-Butylbenzene
Concen: 51.632 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.8	95.4
134	27.1	13.7	41.0

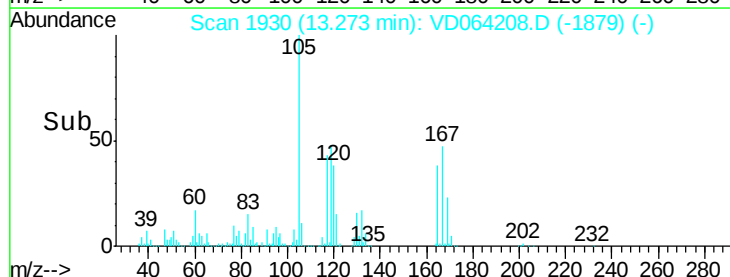
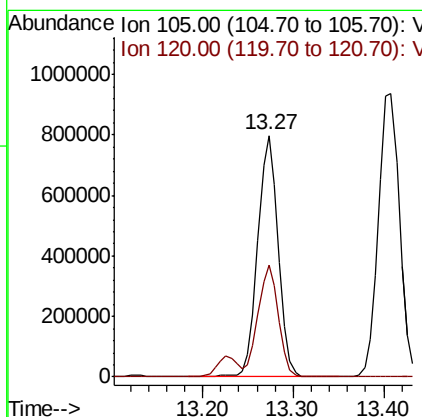
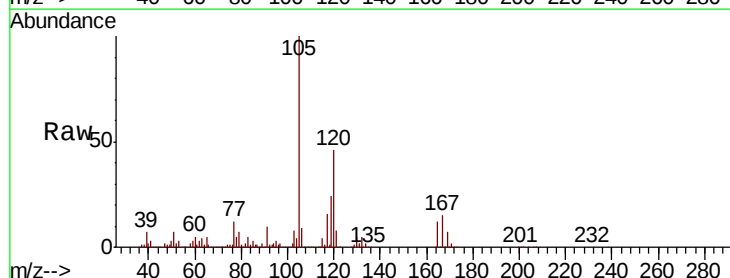
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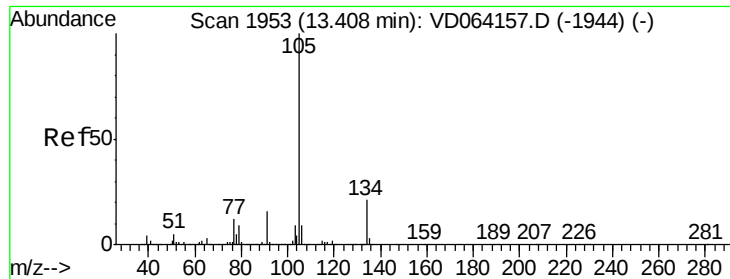
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#84
1,2,4-Trimethylbenzene
Concen: 51.118 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.3	69.8





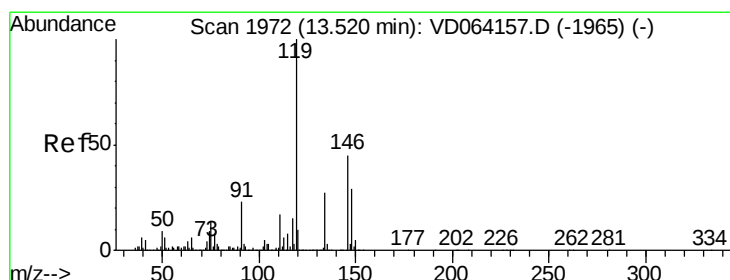
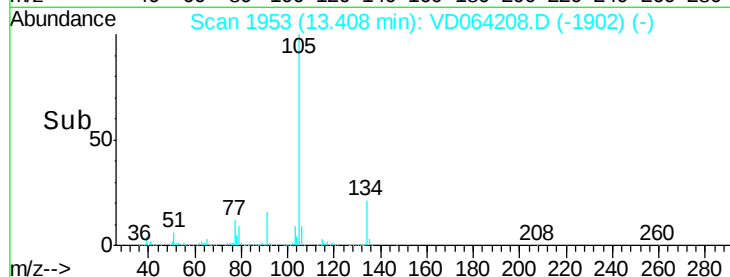
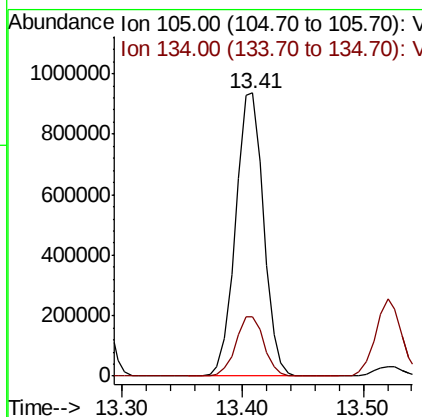
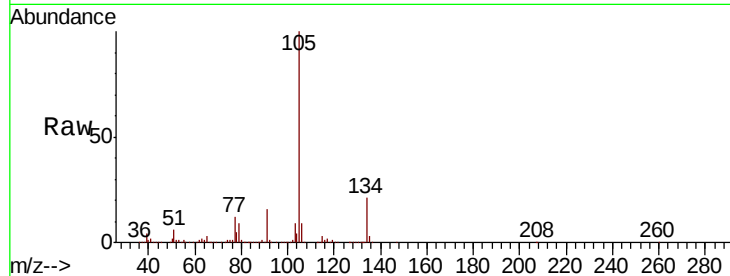
#85
 sec-Butylbenzene
 Concen: 51.821 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1513708
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.7 31.9

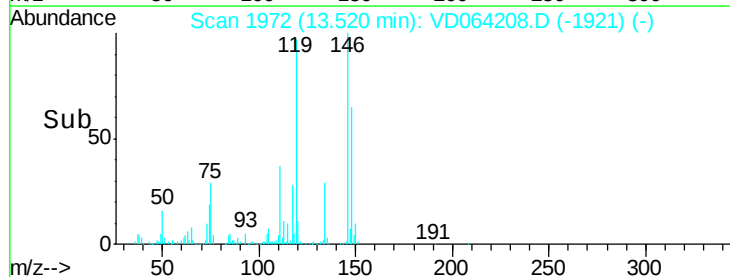
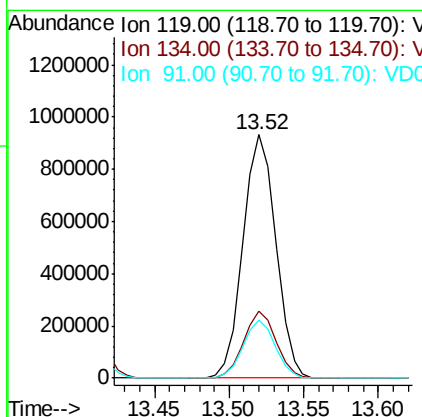
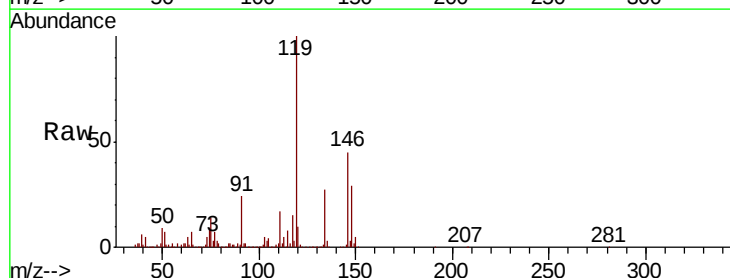
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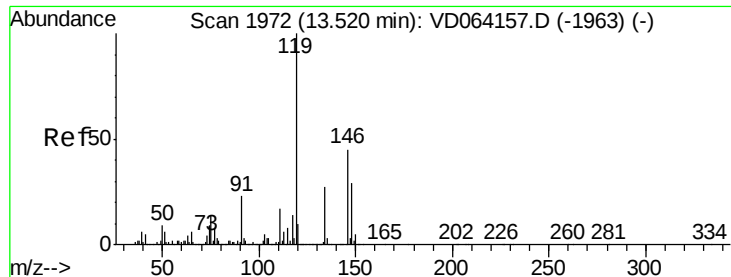
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#86
 p-Isopropyltoluene
 Concen: 51.003 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion:119 Resp: 1416360
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.5
 91 23.3 11.5 34.4





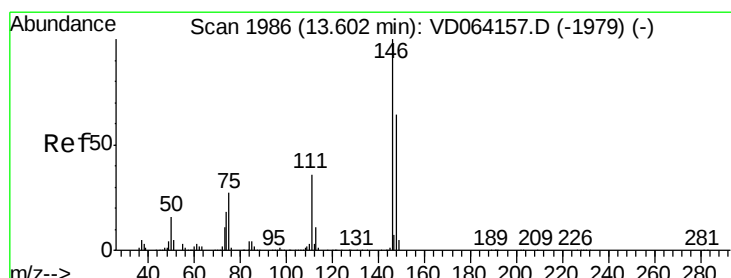
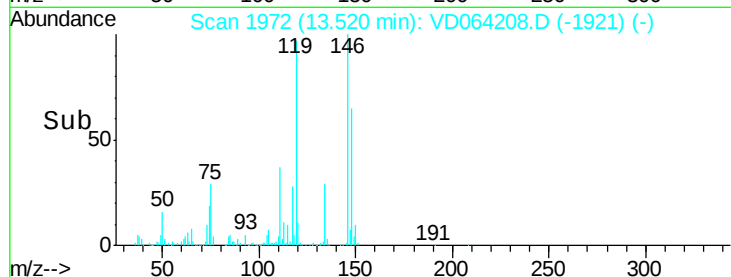
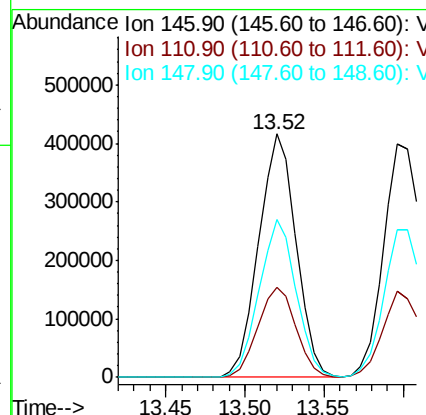
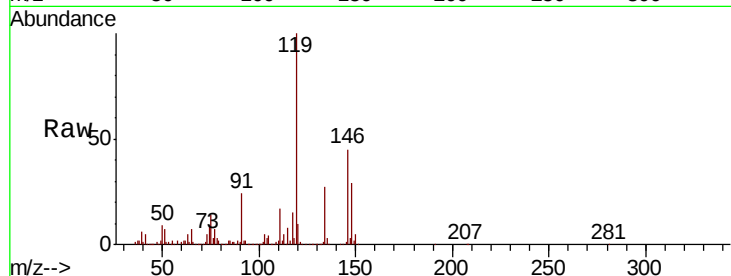
#87
 1,3-Dichlorobenzene
 Concen: 50.461 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.9
148	64.2	32.1	96.5

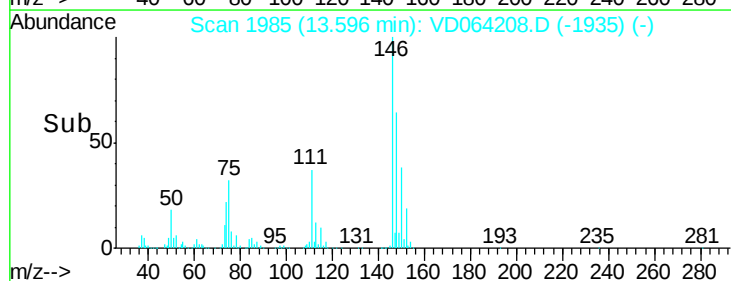
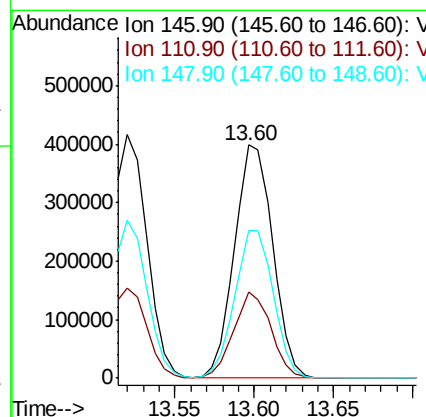
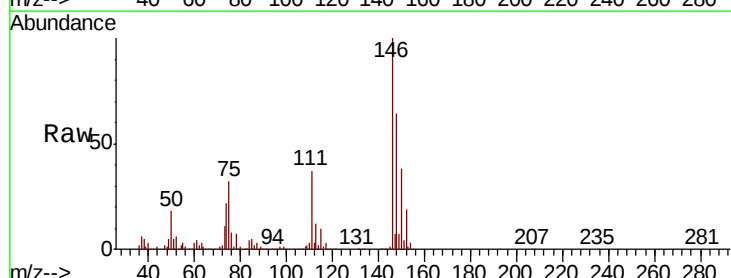
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 50.634 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.4
148	64.0	31.9	95.7





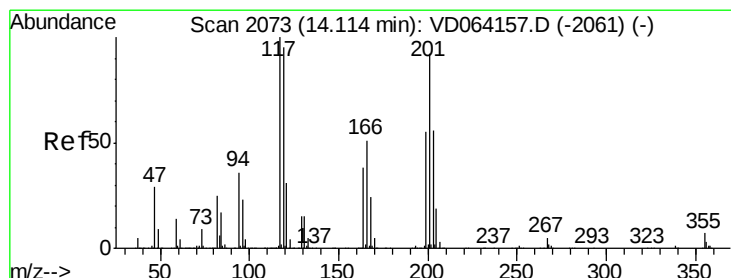
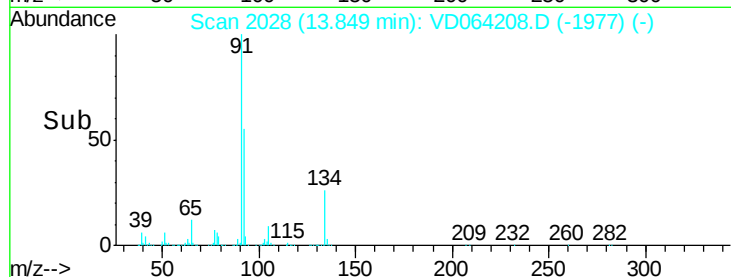
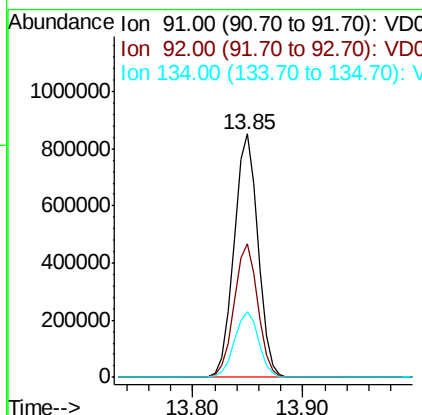
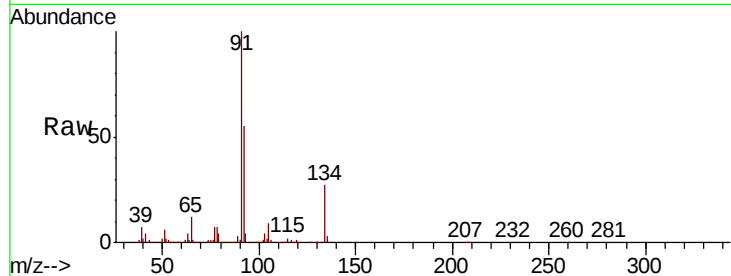
#89
n-Butylbenzene
Concen: 51.550 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.8
134	27.4	14.1	42.4

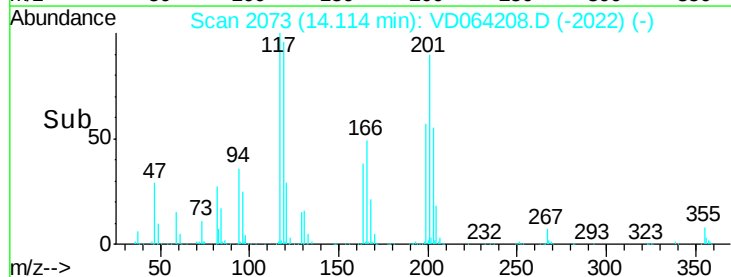
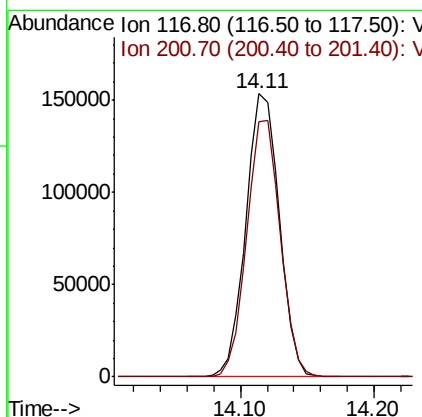
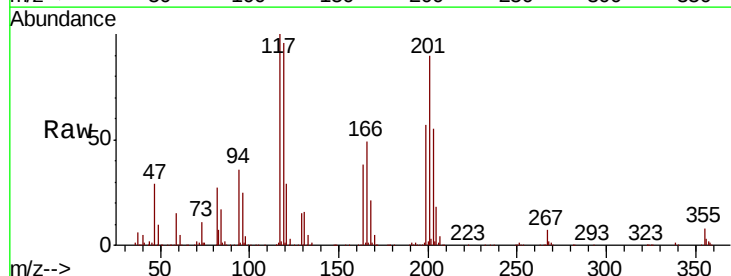
Manual Integrations
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#90
Hexachloroethane
Concen: 51.825 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.5	45.8	137.4





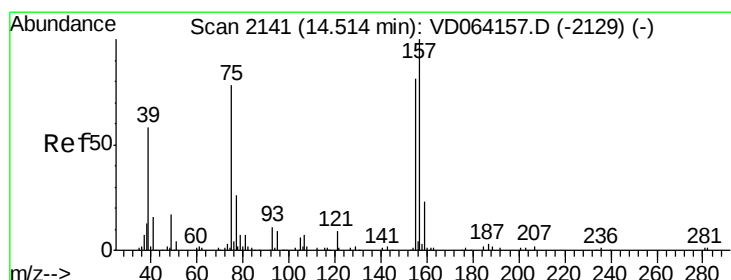
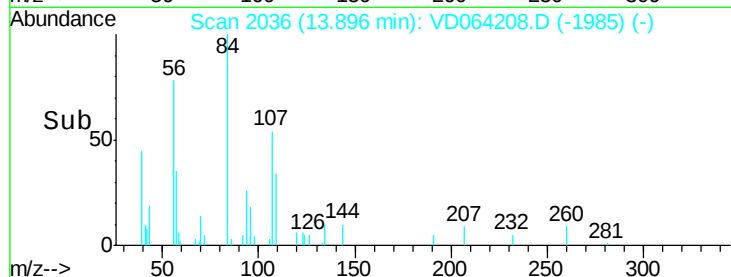
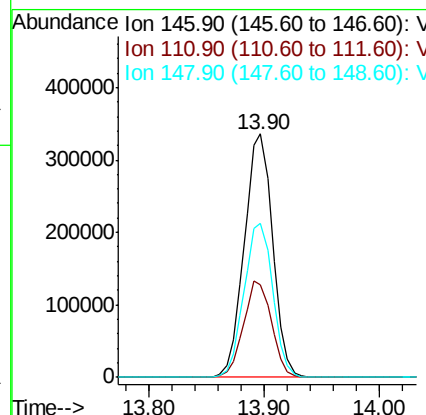
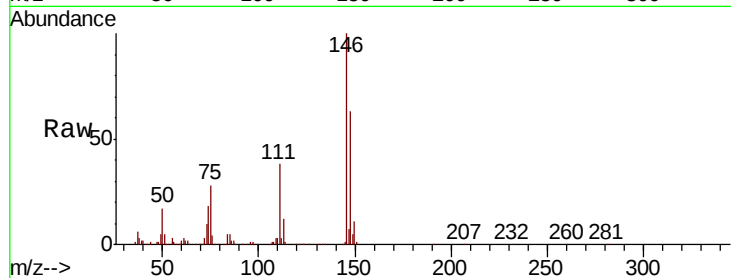
#91
 1,2-Dichlorobenzene
 Concen: 49.931 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.0	32.3	96.8

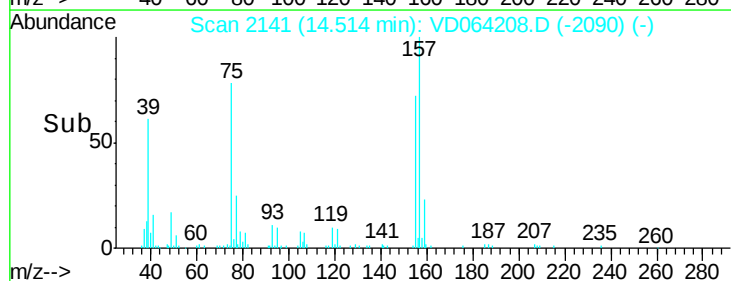
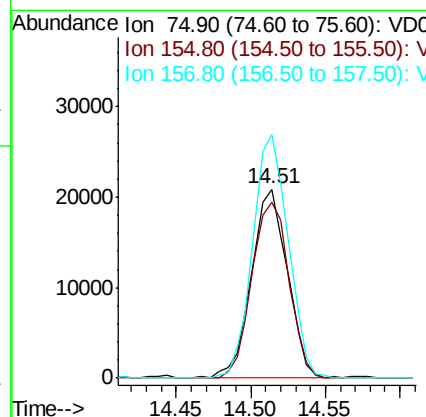
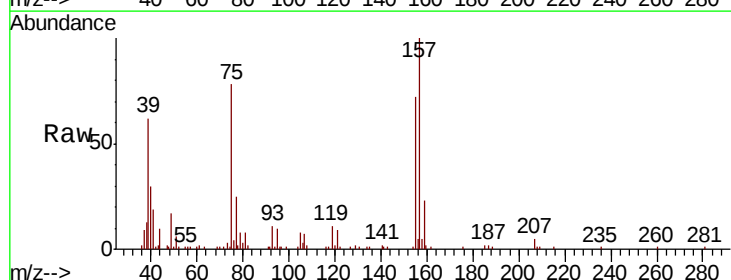
Manual Integrations
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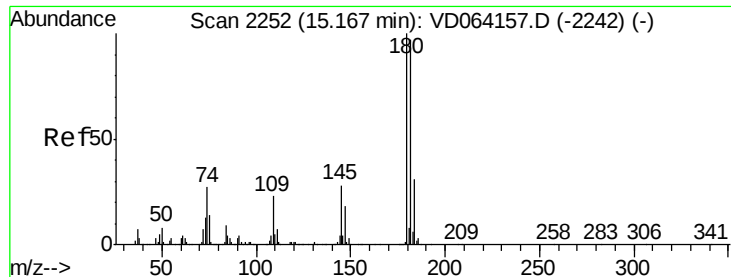
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.104 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	48.0	144.0
157	126.8	61.5	184.4





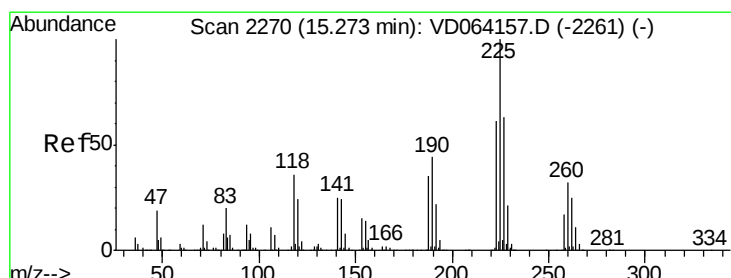
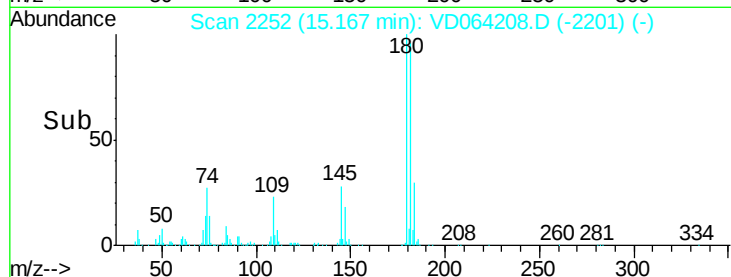
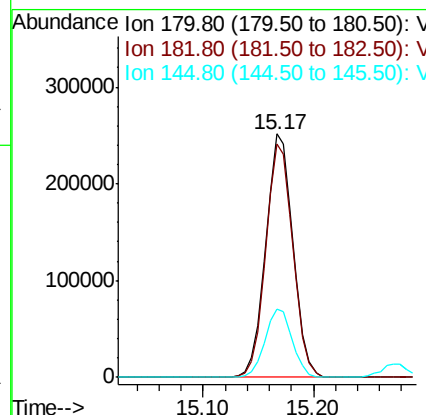
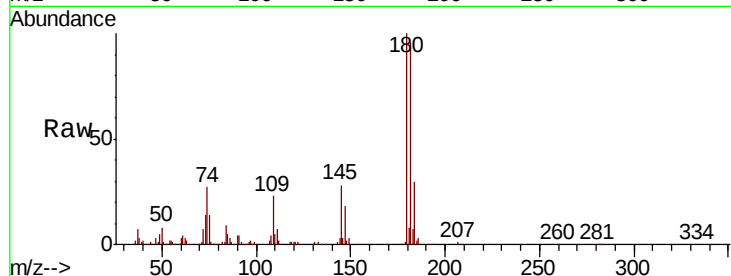
#93
1,2,4-Trichlorobenzene
Concen: 49.103 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	433997		
182	95.9	47.5	142.5	
145	28.0	14.2	42.6	

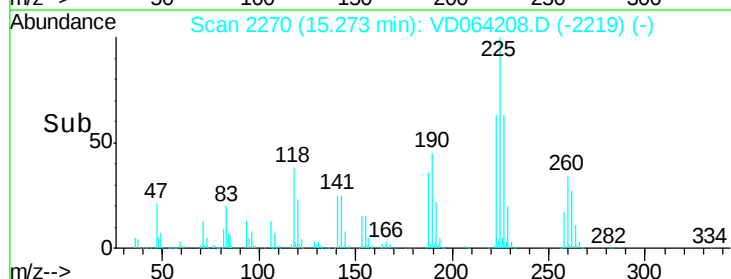
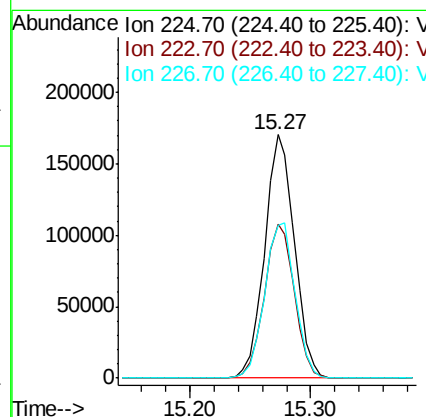
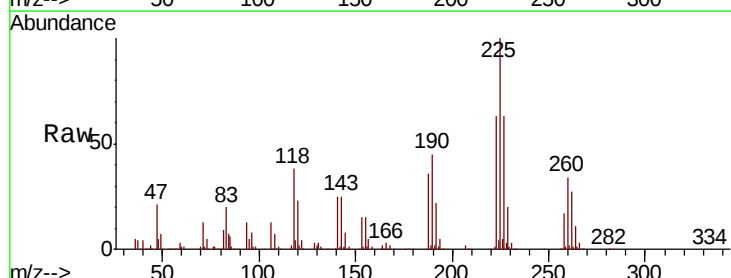
Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:02 PM



#94
Hexachlorobutadiene
Concen: 50.728 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	289593		
223	63.7	31.1	93.3	
227	65.3	31.5	94.5	





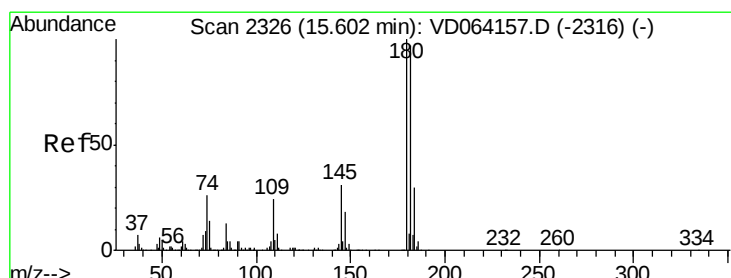
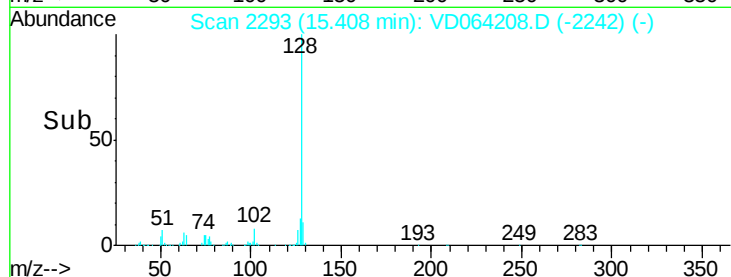
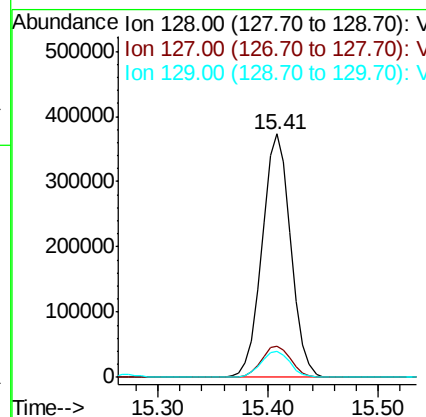
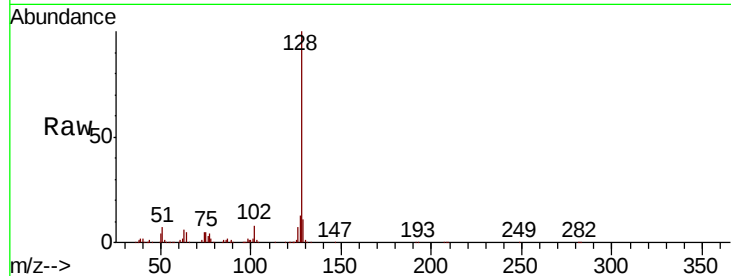
#95
Naphthalene
Concen: 46.741 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

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11/15/2019 3:06:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.166 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	48.3	144.9
145	29.8	15.3	45.8

