

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064217.D
 Acq On : 15 Nov 2019 10:05
 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
 11/19/2019 12:23:01 PM

Quant Time: Nov 16 05:30:31 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	680006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	974143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	822181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	401264	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	286574	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.91	113	286109	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	10.34	98	1056950	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.64	95	357243	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	307191	54.469	ug/l	97
3) Chloromethane	2.21	50	329666	54.496	ug/l	99
4) Vinyl Chloride	2.35	62	378712	58.543	ug/l	99
5) Bromomethane	2.77	94	231002	56.550	ug/l	93
6) Chloroethane	2.92	64	245977	59.507	ug/l	96
7) Trichlorofluoromethane	3.27	101	621501	59.257	ug/l	98
8) Diethyl Ether	3.70	74	150483	52.181	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	318404	53.115	ug/l	97
10) Methyl Iodide	4.29	142	348740	50.924	ug/l	99
11) Tert butyl alcohol	5.24	59	113338	290.148	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	300845	52.651	ug/l	94
13) Acrolein	3.92	56	105967	320.668	ug/l	99
14) Allyl chloride	4.71	41	521986	51.668	ug/l	97
15) Acrylonitrile	5.43	53	323202	262.890	ug/l	100
16) Acetone	4.16	43	337467	254.711	ug/l	98
17) Carbon Disulfide	4.40	76	912775	51.296	ug/l	98
18) Methyl Acetate	4.72	43	184552	49.872	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	712688	52.247	ug/l	98
20) Methylene Chloride	4.96	84	312949	46.761	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	336839	52.032	ug/l	97
22) Diisopropyl ether	6.37	45	972724	51.893	ug/l	97
23) Vinyl Acetate	6.30	43	2865567	274.247	ug/l	99
24) 1,1-Dichloroethane	6.26	63	570051	52.376	ug/l	99
25) 2-Butanone	7.22	43	440928	257.596	ug/l	99
26) 2,2-Dichloropropane	7.20	77	554256	51.928	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	361424	52.061	ug/l	97
28) Bromochloromethane	7.54	49	206232	54.426	ug/l	99
29) Tetrahydrofuran	7.57	42	268355	260.938	ug/l	99
30) Chloroform	7.71	83	589885	52.985	ug/l	99
31) Cyclohexane	7.98	56	539905	49.187	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	560524	52.581	ug/l	99
36) 1,1-Dichloropropene	8.11	75	466040	51.837	ug/l	100
37) Ethyl Acetate	7.30	43	188543	49.745	ug/l	100
38) Carbon Tetrachloride	8.09	117	507494	52.754	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	569009	50.017	ug/l	98
40) Benzene	8.35	78	1247122	50.756	ug/l	99
41) Methacrylonitrile	7.53	41	124385	52.214	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	377975	51.218	ug/l	99
43) Isopropyl Acetate	8.46	43	393333	50.367	ug/l	99
44) Trichloroethene	9.11	130	377626	51.206	ug/l	99
45) 1,2-Dichloropropane	9.38	63	300751	50.288	ug/l	99
46) Dibromomethane	9.48	93	162119	50.635	ug/l	99
47) Bromodichloromethane	9.67	83	442371	51.294	ug/l	99
48) Methyl methacrylate	9.46	41	180505	47.270	ug/l	96
49) 1,4-Dioxane	9.47	88	39845	1036.207	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	942767	251.746	ug/l	99
52) Toluene	10.40	92	815603	50.480	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	432370	50.042	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	509284	50.513	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	223237	51.397	ug/l	94
56) Ethyl methacrylate	10.66	69	309279	50.903	ug/l	96
57) 1,3-Dichloropropane	10.95	76	388469	51.284	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	612981	249.061	ug/l	100
59) 2-Hexanone	10.99	43	659400	247.495	ug/l	99
60) Dibromochloromethane	11.14	129	304152	50.185	ug/l	99
61) 1,2-Dibromoethane	11.25	107	218606	50.250	ug/l	99
64) Tetrachloroethene	10.88	164	323550	51.168	ug/l	99
65) Chlorobenzene	11.67	112	862397	51.582	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	330263	51.950	ug/l	99
67) Ethyl Benzene	11.75	91	1578297	52.189	ug/l	98
68) m/p-Xylenes	11.86	106	1206785	104.107	ug/l	100
69) o-Xylene	12.18	106	554507	51.579	ug/l	100
70) Styrene	12.20	104	953728	50.822	ug/l	98
71) Bromoform	12.37	173	190142	52.555	ug/l	98
73) Isopropylbenzene	12.48	105	1518452	51.556	ug/l	99
74) N-amyl acetate	12.30	43	352981	50.751	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	234515	52.843	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	180837m	55.951	ug/l	
77) Bromobenzene	12.77	156	366769	51.258	ug/l	99
78) n-propylbenzene	12.83	91	1751439	52.049	ug/l	99
79) 2-Chlorotoluene	12.91	91	960493	50.557	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1230305	50.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	81566	50.130	ug/l	96
82) 4-Chlorotoluene	13.01	91	1028586	51.908	ug/l	99
83) tert-Butylbenzene	13.23	119	1098458	51.474	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1223917	51.225	ug/l	100
85) sec-Butylbenzene	13.41	105	1482912	51.738	ug/l	99
86) p-Isopropyltoluene	13.52	119	1411032	51.784	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	680896	51.263	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	668906	51.600	ug/l	99
89) n-Butylbenzene	13.85	91	1288169	52.327	ug/l	99
90) Hexachloroethane	14.12	117	263293	52.284	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	578450	51.453	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	39315	49.547	ug/l	99

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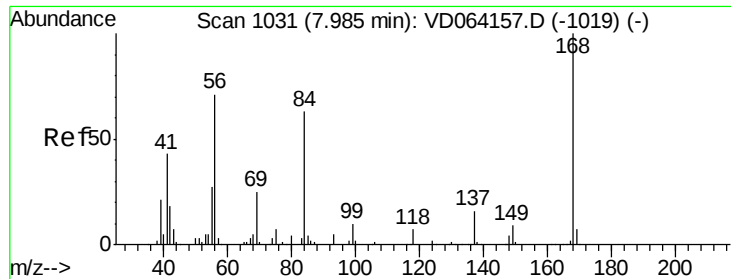
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	440179	50.756	ug/l	99
94) Hexachlorobutadiene	15.28	225	286077	51.071	ug/l	98
95) Naphthalene	15.41	128	729462	51.312	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	372364	50.512	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 680006

Ion Ratio Lower Upper

168 100

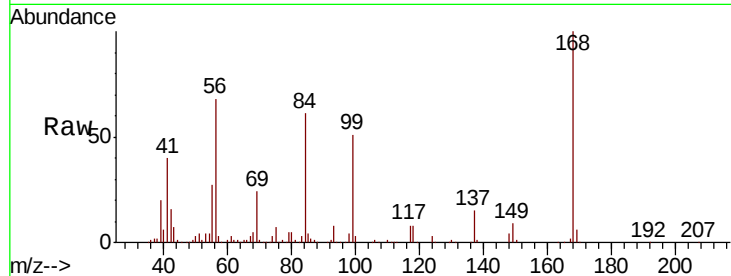
99 51.0 41.6 62.4

Manual Integrations

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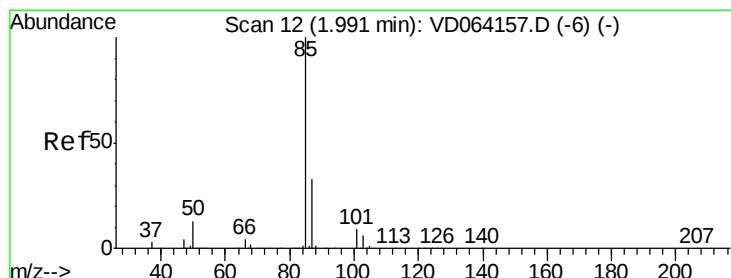
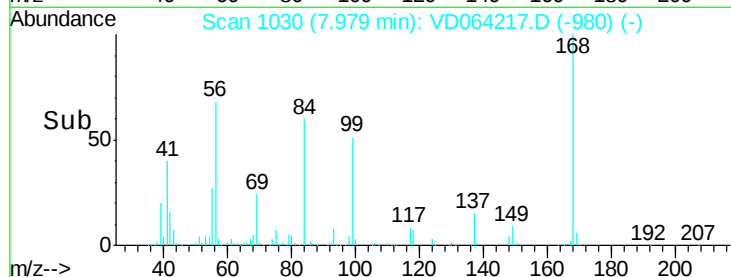
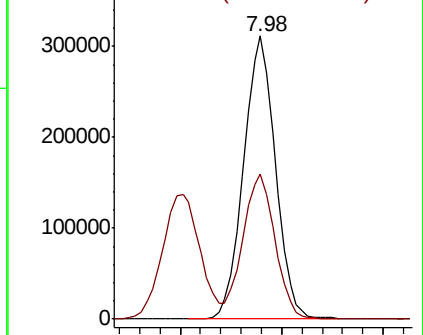
MMDADODA

11/19/2019 12:23:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 54.469 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064217.D

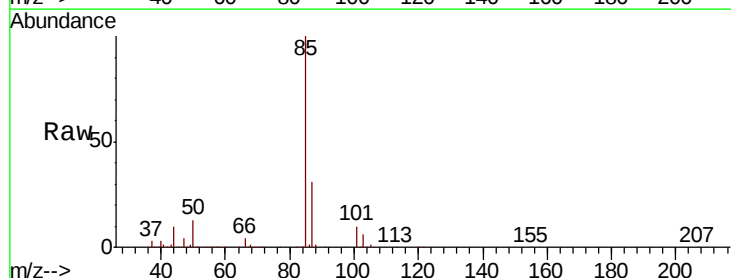
Acq: 15 Nov 2019 10:05

Tgt Ion: 85 Resp: 307191

Ion Ratio Lower Upper

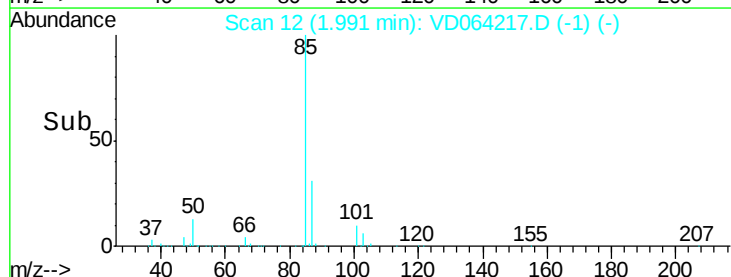
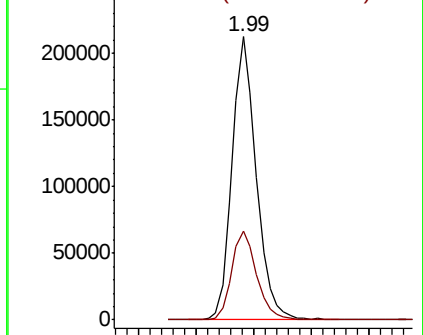
85 100

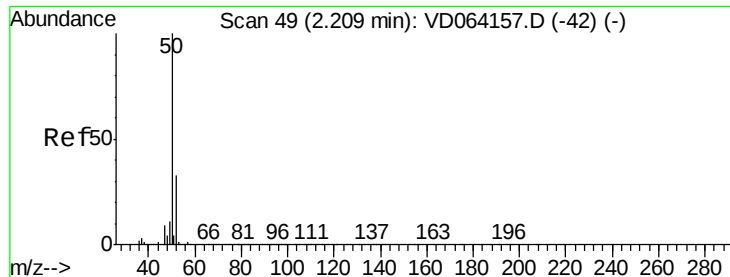
87 31.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





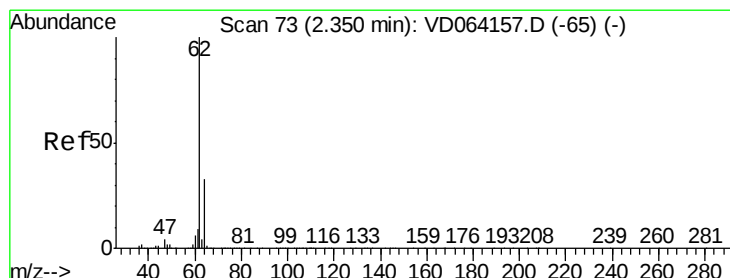
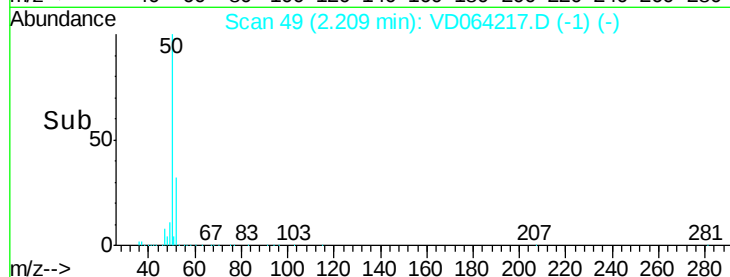
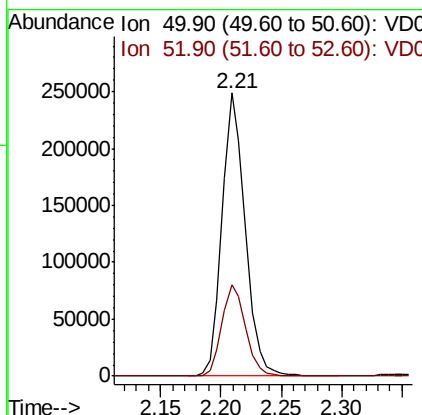
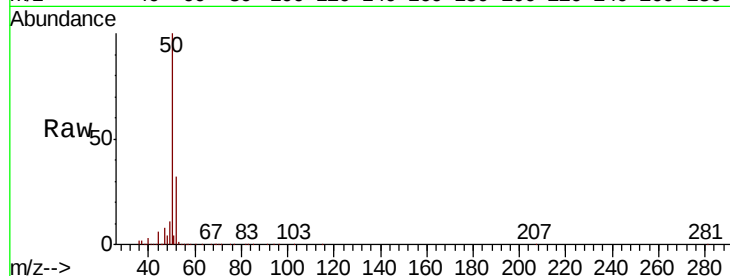
#3
Chloromethane
Concen: 54.496 ug/l
RT: 2.21 min Scan# 49
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.2	39.4

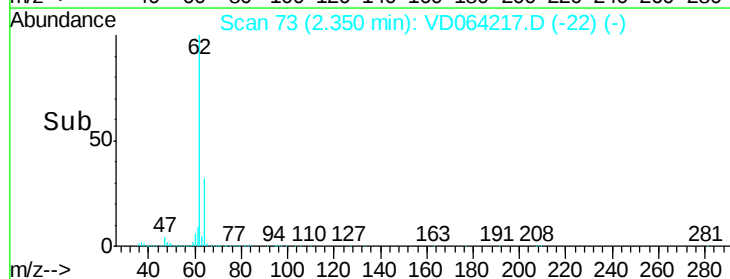
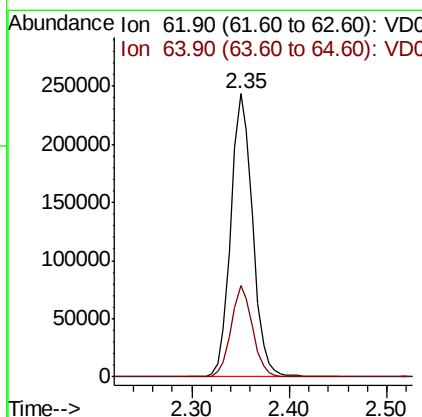
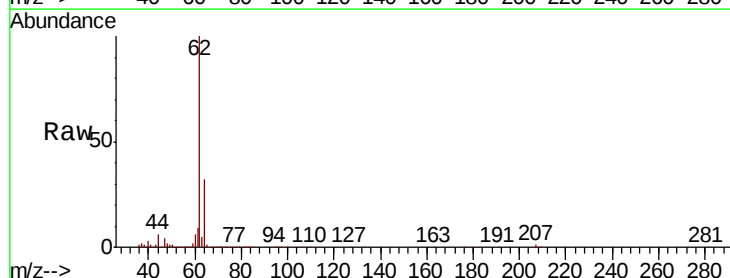
Manual Integrations
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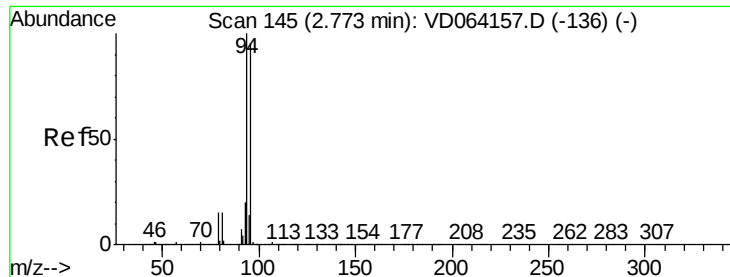
MMDADODA
11/19/2019 12:23:01 PM



#4
Vinyl Chloride
Concen: 58.543 ug/l
RT: 2.35 min Scan# 73
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.2	39.2





#5

Bromomethane

Concen: 56.550 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 231002

Ion Ratio Lower Upper

94 100

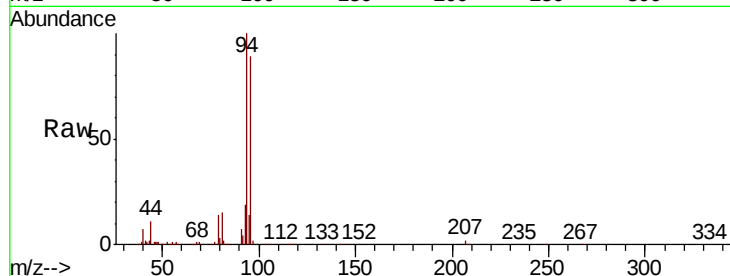
96 88.2 76.2 114.4

Manual Integrations

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11/19/2019 12:23:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

120000

100000

80000

60000

40000

20000

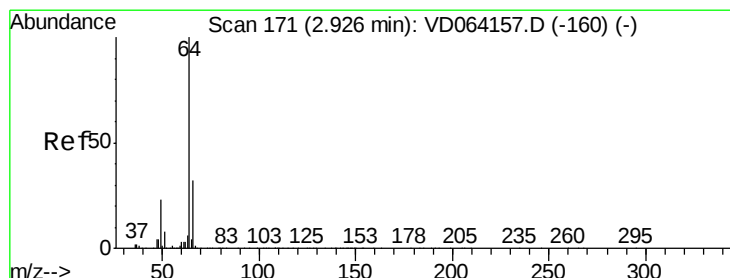
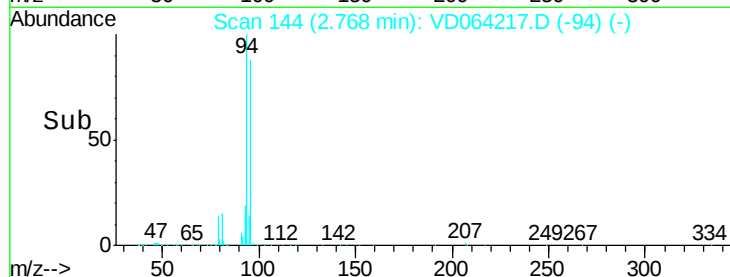
0

2.77

2.80

2.90

Time-->



#6

Chloroethane

Concen: 59.507 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064217.D

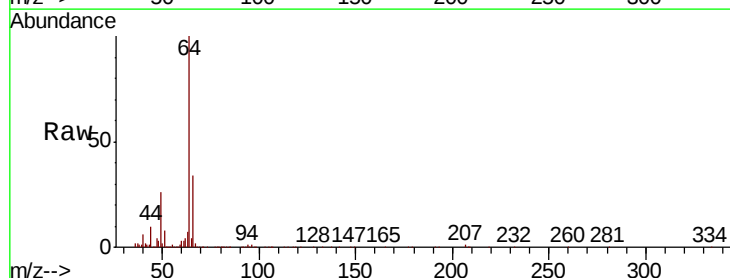
Acq: 15 Nov 2019 10:05

Tgt Ion: 64 Resp: 245977

Ion Ratio Lower Upper

64 100

66 34.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

100000

50000

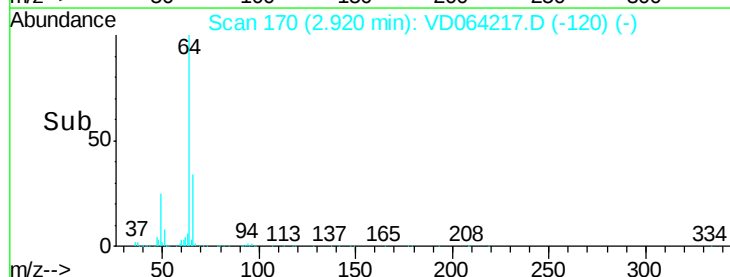
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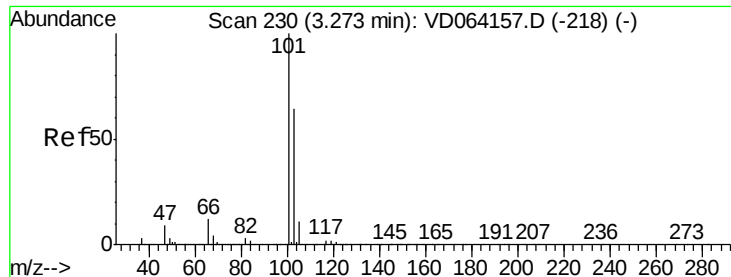
2.92

2.90

3.00

Time-->





#7

Trichlorofluoromethane

Concen: 59.257 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

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Tot Ion:101 Resp: 621501

Ion Ratio Lower Upper

101 100

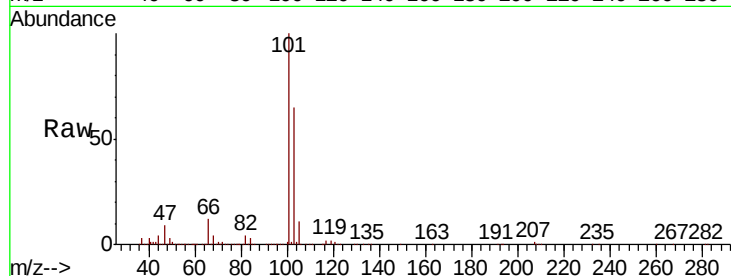
103 65.4 50.8 76.2

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11/19/2019 12:23:01 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

250000

200000

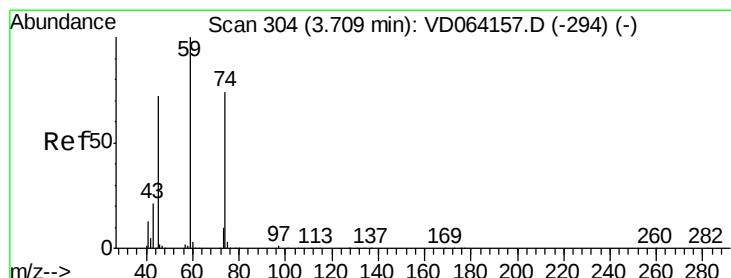
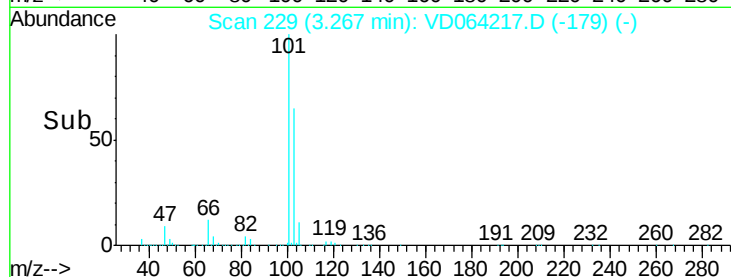
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 52.181 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD064217.D

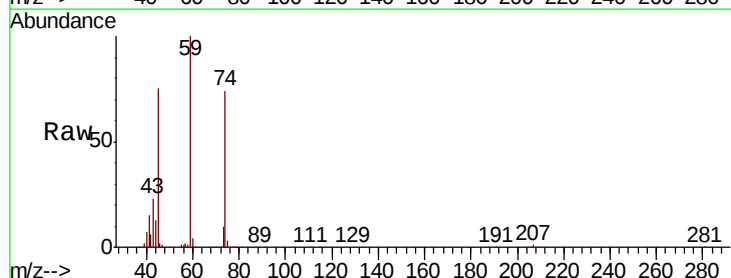
Acq: 15 Nov 2019 10:05

Tgt Ion: 74 Resp: 150483

Ion Ratio Lower Upper

74 100

45 97.5 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

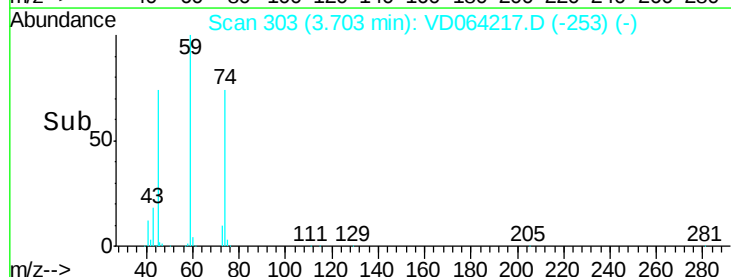
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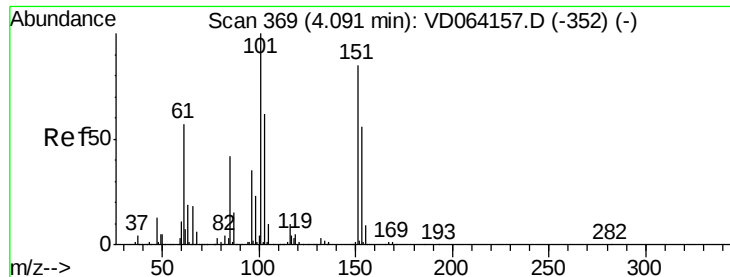
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.115 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

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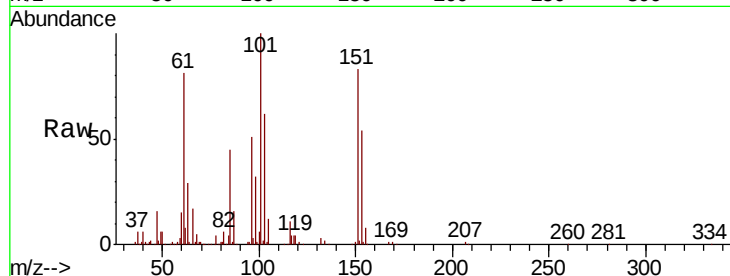
ClientSampleId :

VSTDCCC050

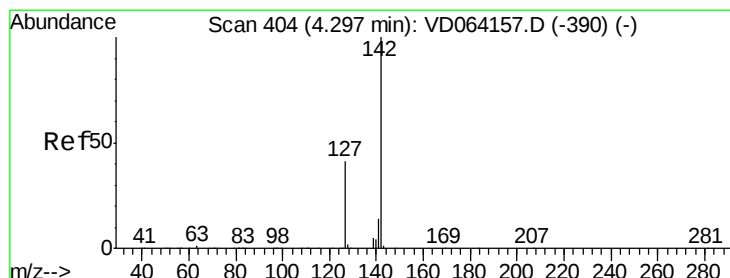
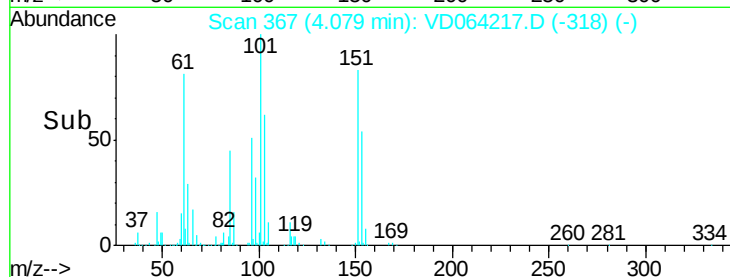
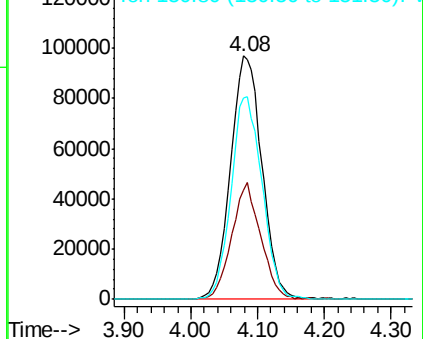
Tot Ion:	101	Resp:	318404
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.4	51.6
151	81.9	68.1	102.1

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



#10

Methyl Iodide

Concen: 50.924 ug/l

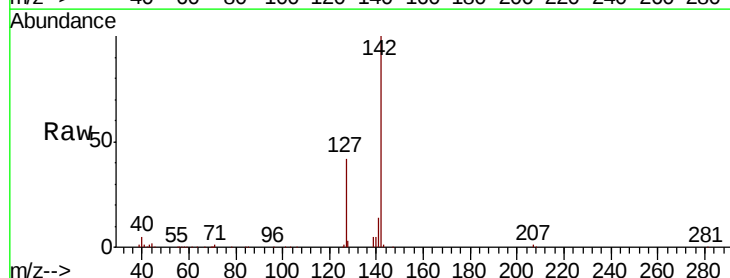
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

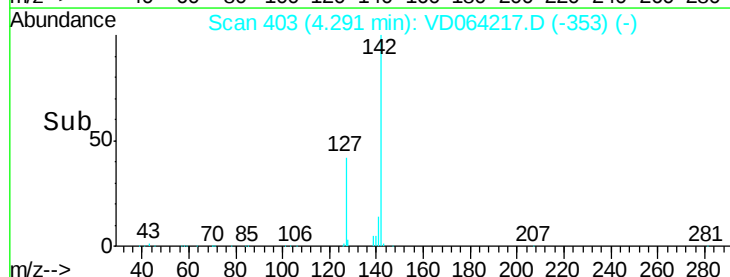
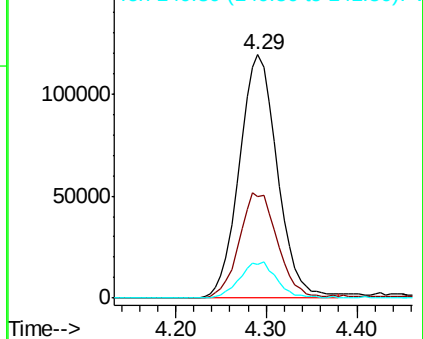
Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Tgt Ion:	142	Resp:	348740
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.4	51.6
141	14.7	11.2	16.8



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





#11

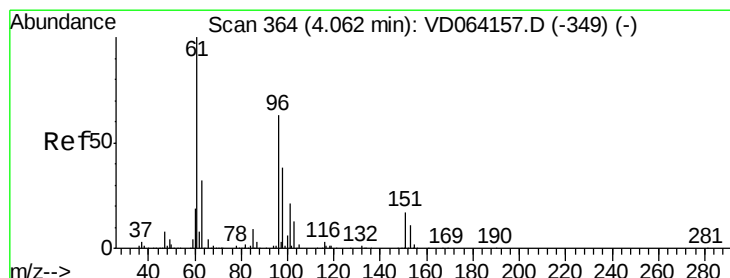
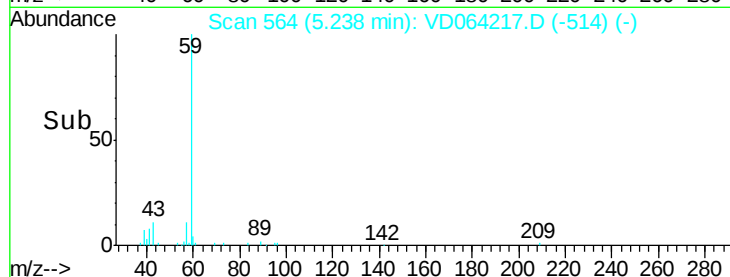
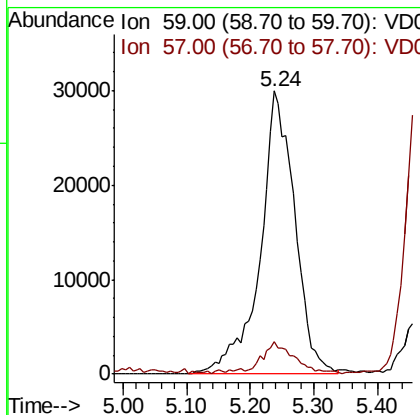
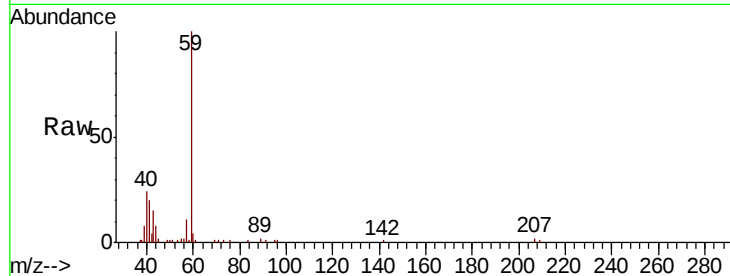
Tert butyl alcohol
 Concen: 290.148 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.5	9.4	14.2#

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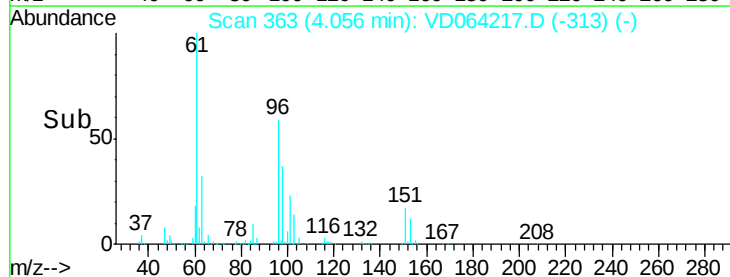
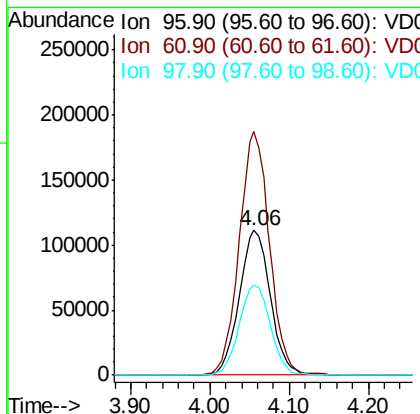
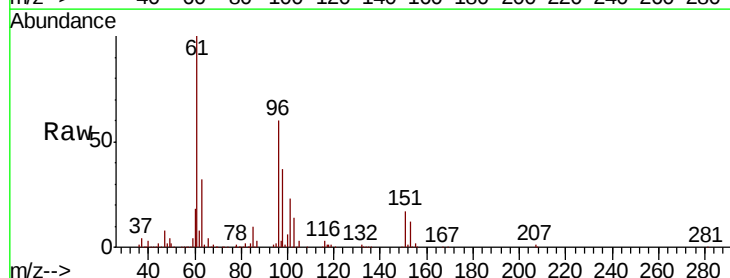
MMDADODA
 11/19/2019 12:23:01 PM

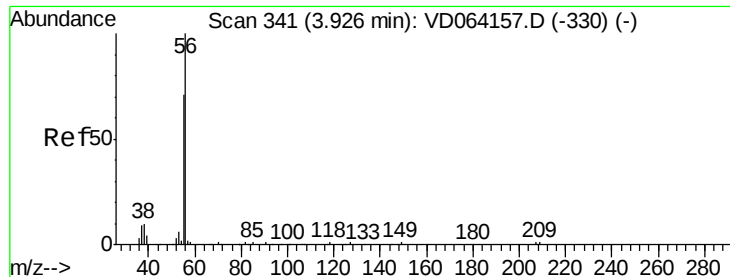


#12

1,1-Dichloroethene
 Concen: 52.651 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.2	127.4	191.2
98	62.2	48.1	72.1





#13

Acrolein

Concen: 320.668 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 105967

Ion Ratio Lower Upper

56 100

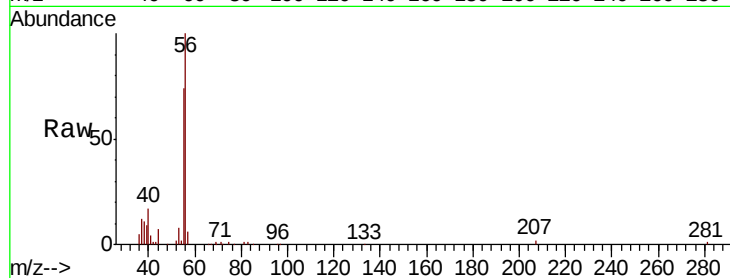
55 70.9 56.1 84.1

Manual Integrations

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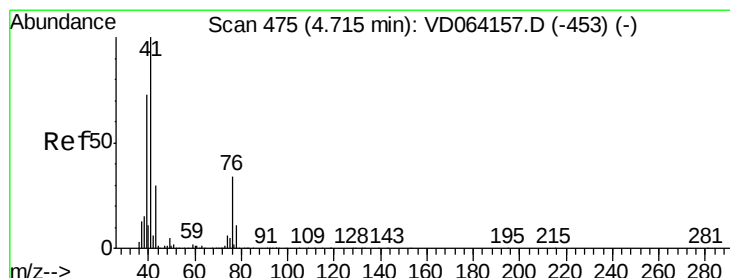
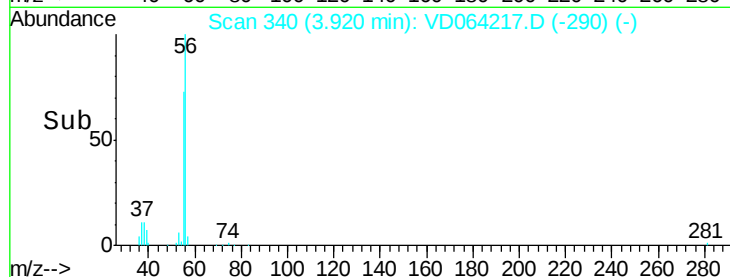
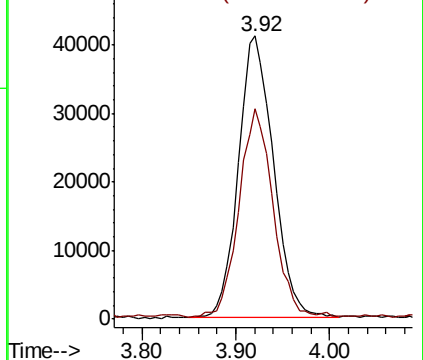
MMDADODA

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.668 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

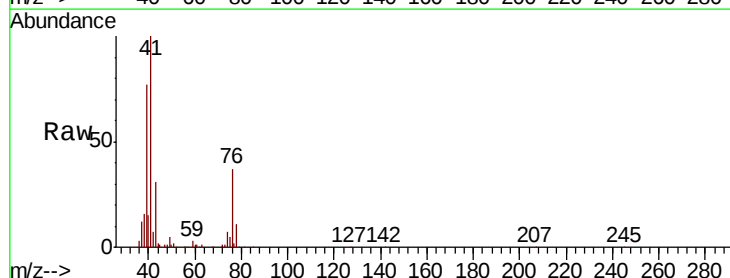
Tgt Ion: 41 Resp: 521986

Ion Ratio Lower Upper

41 100

39 74.2 57.5 86.3

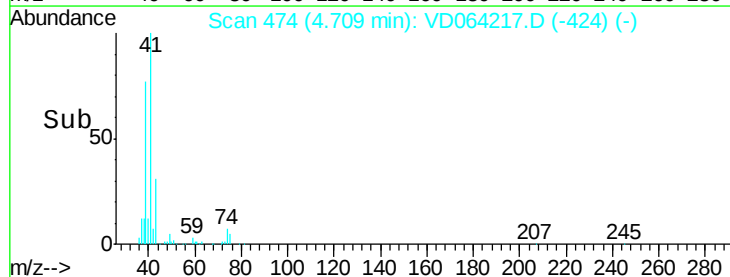
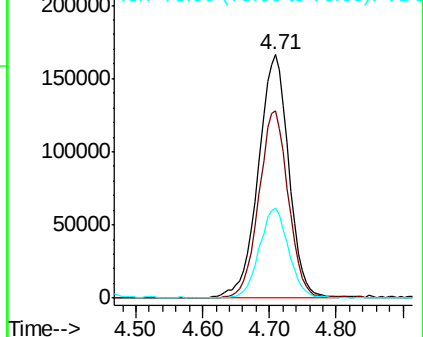
76 35.4 26.8 40.2



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: 262.890 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

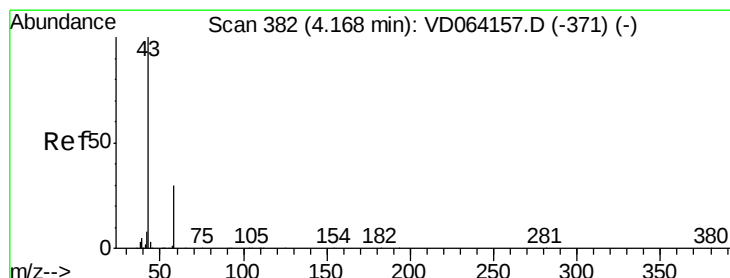
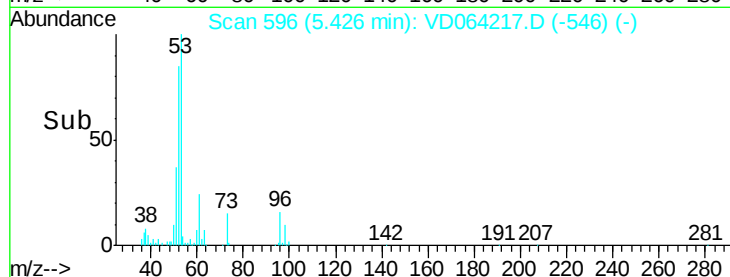
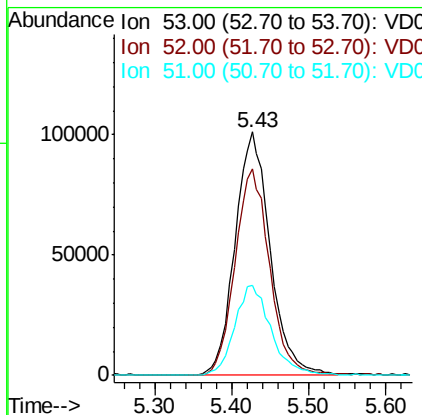
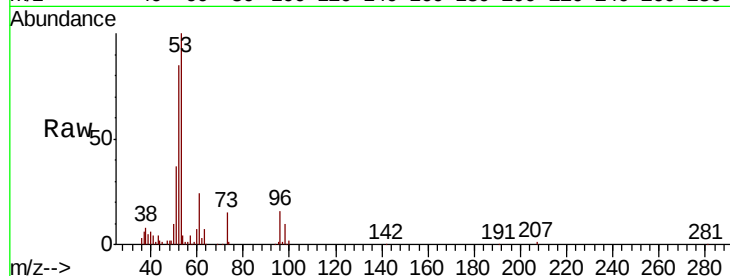
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	323202
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.7	100.1
51	38.3	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 254.711 ug/l

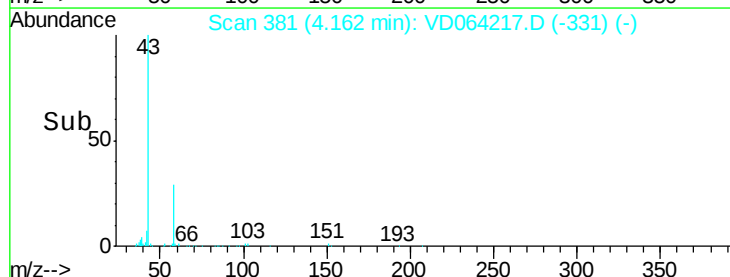
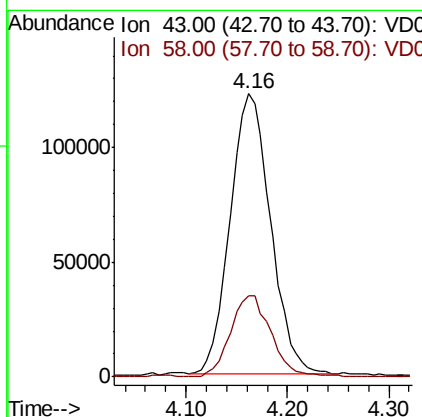
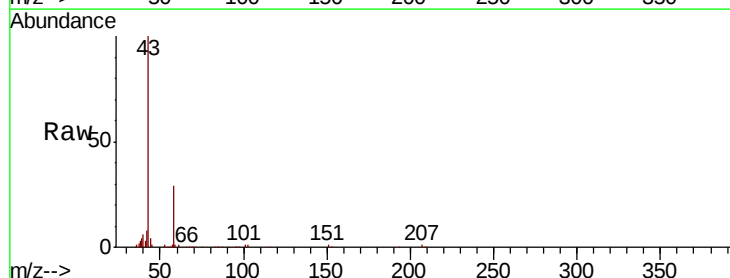
RT: 4.16 min Scan# 381

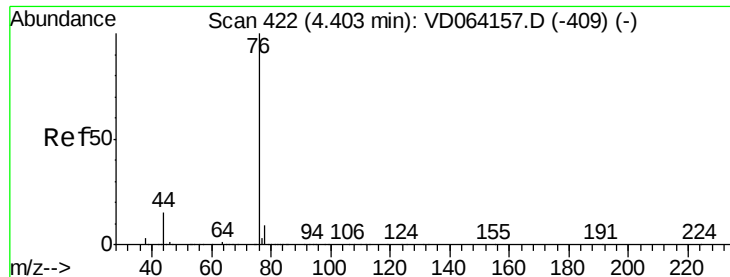
Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Tgt Ion:	43	Resp:	337467
Ion Ratio	Lower	Upper	
43	100		
58	29.0	24.1	36.1





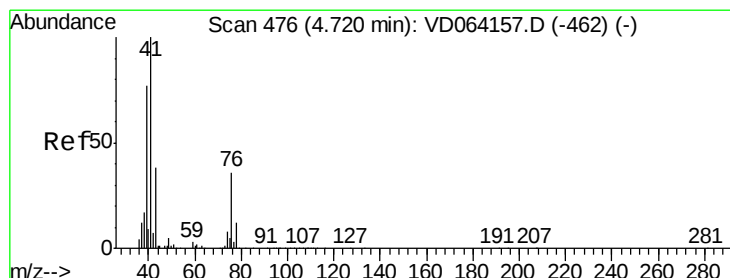
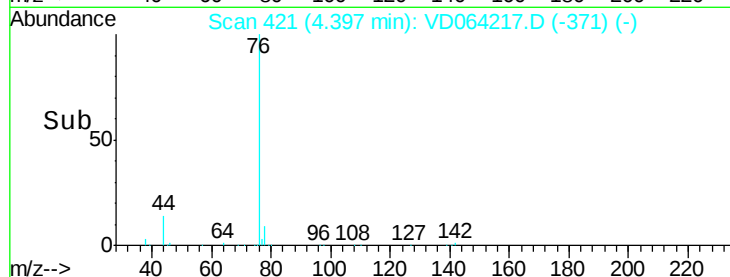
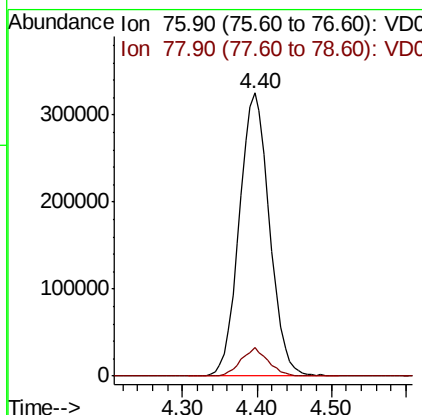
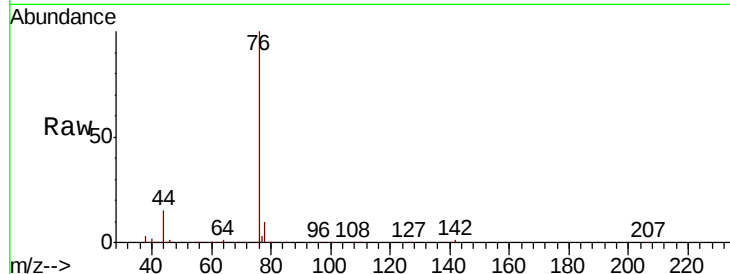
#17
Carbon Disulfide
Concen: 51.296 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.2	10.8

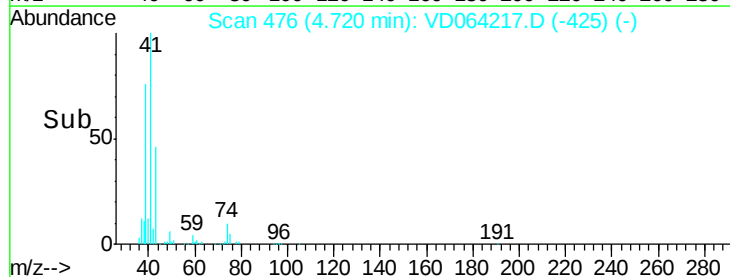
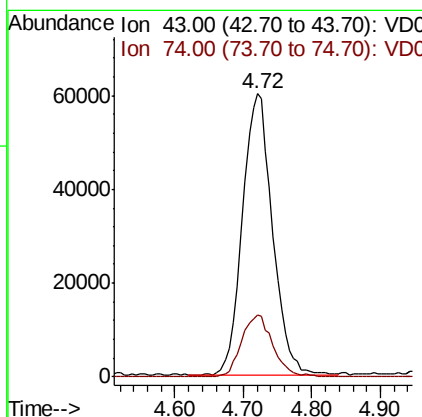
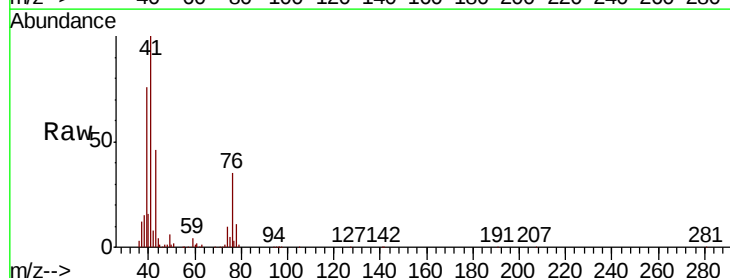
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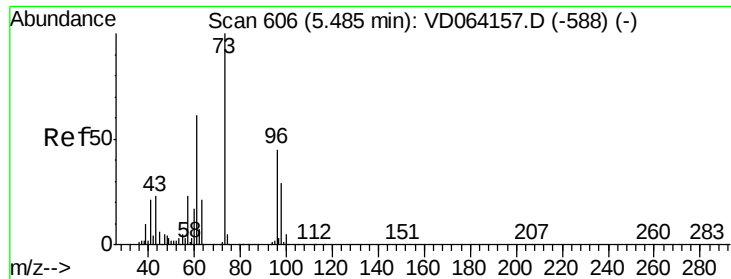
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#18
Methyl Acetate
Concen: 49.872 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.4	27.6





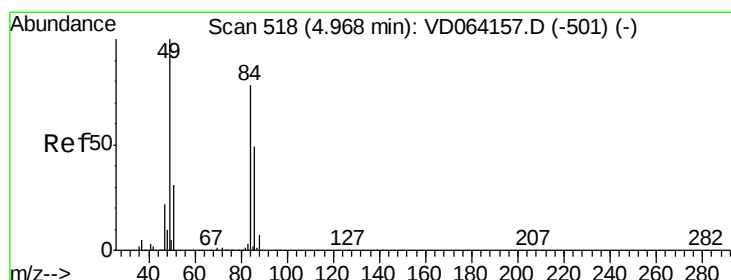
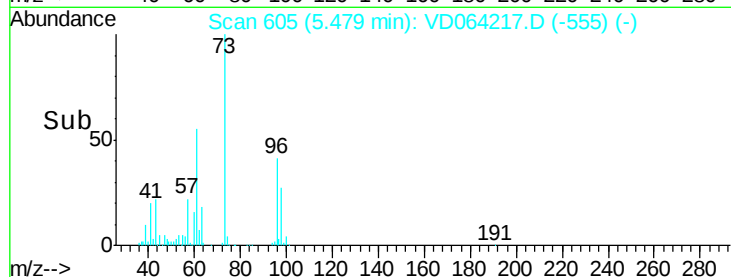
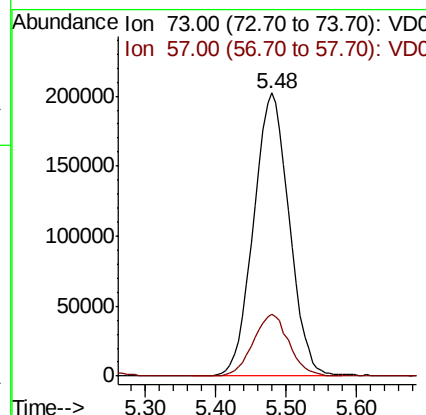
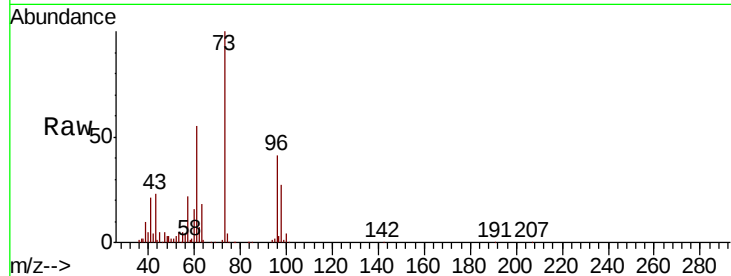
#19
Methvl tert-butvl Ether
Concen: 52.247 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 712688
Ion Ratio Lower Upper
73 100
57 21.8 18.4 27.6

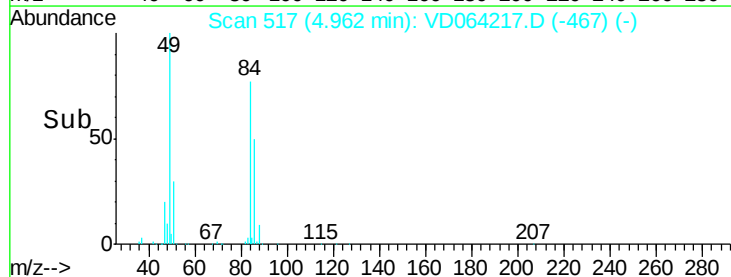
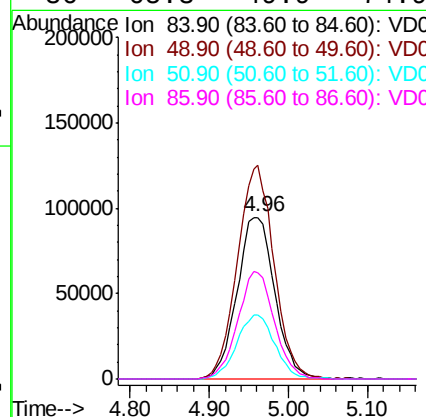
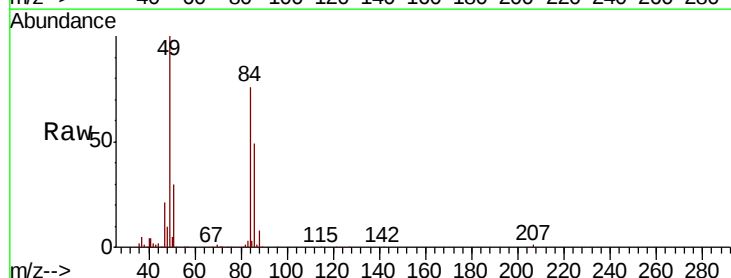
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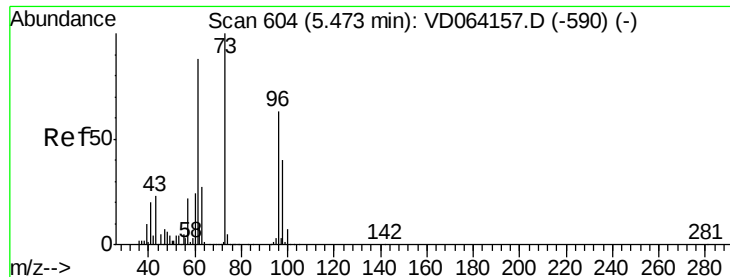
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11/19/2019 12:23:01 PM



#20
Methylene Chloride
Concen: 46.761 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion: 84 Resp: 312949
Ion Ratio Lower Upper
84 100
49 131.8 102.1 153.1
51 39.8 32.2 48.2
86 65.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 52.032 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

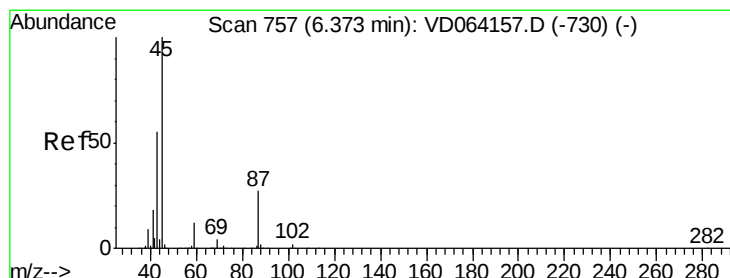
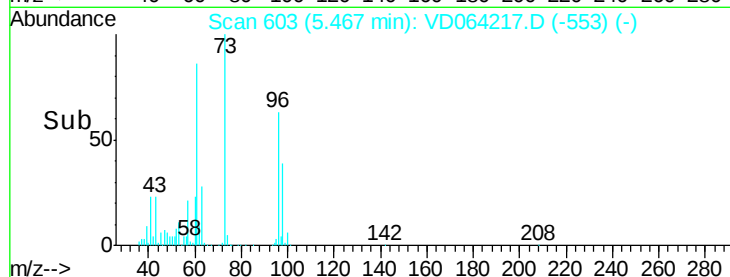
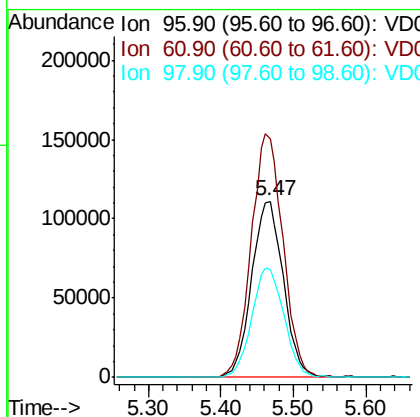
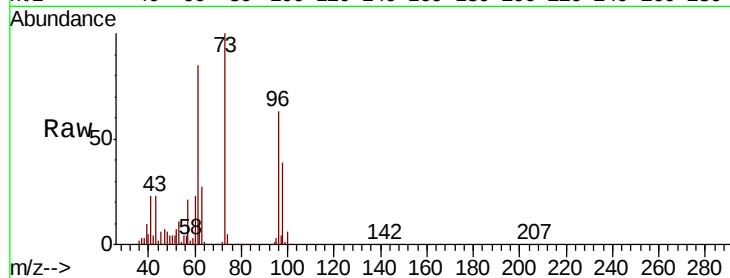
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	336839
Ion	Ratio	Lower	Upper
96	100		
61	135.2	111.8	167.6
98	61.5	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.893 ug/l

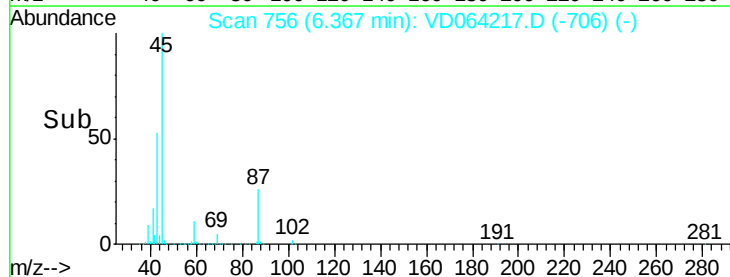
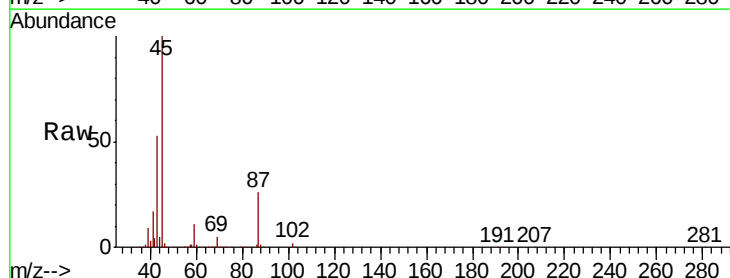
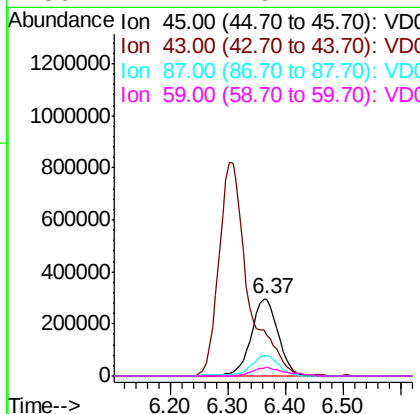
RT: 6.37 min Scan# 756

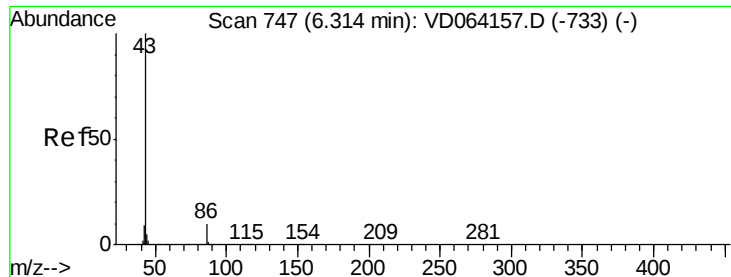
Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Tgt Ion:	45	Resp:	972724
Ion	Ratio	Lower	Upper
45	100		
43	53.0	44.4	66.6
87	25.9	21.9	32.9
59	11.2	9.4	14.2





#23

Vinyl Acetate

Concen: 274.247 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2865567

Ion Ratio Lower Upper

43 100

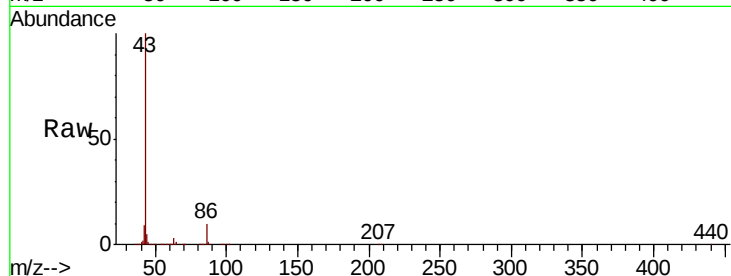
86 10.5 8.2 12.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

800000

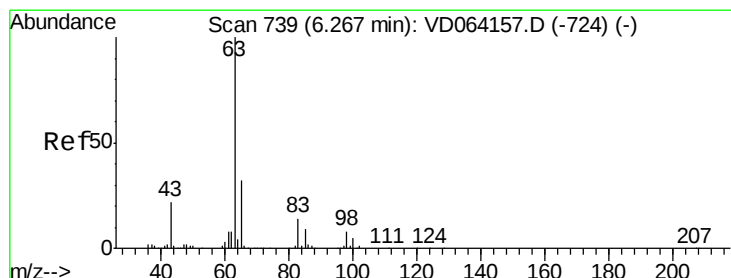
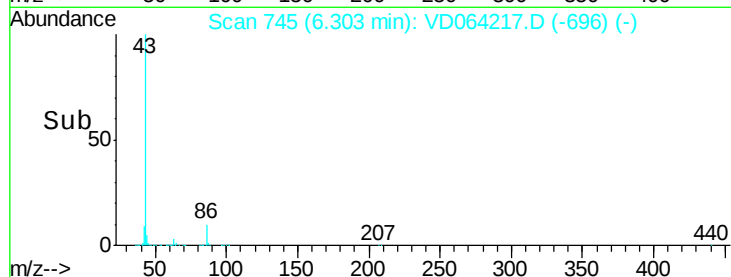
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.376 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

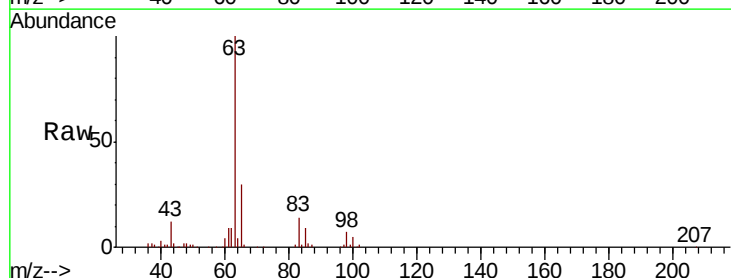
Tgt Ion: 63 Resp: 570051

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

250000

200000

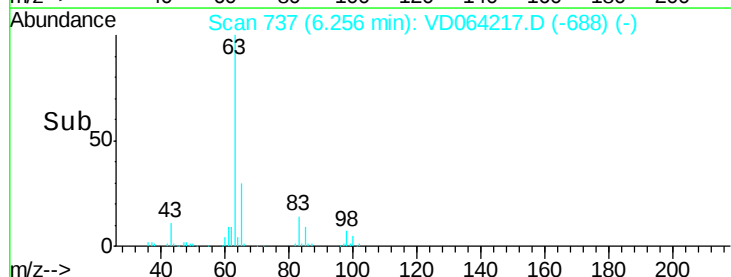
150000

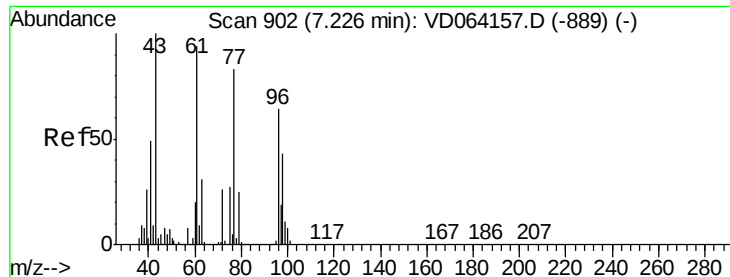
100000

50000

0

Time-->





#25

2-Butanone

Concen: 257.596 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 440928

Ion Ratio Lower Upper

43 100

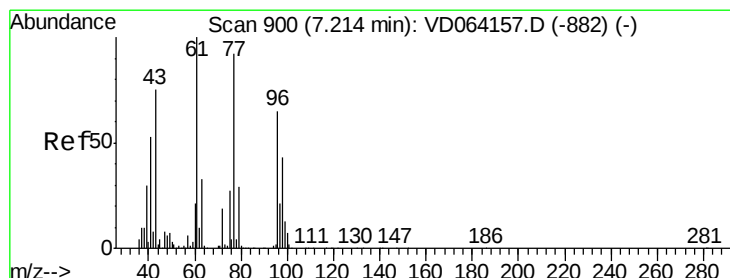
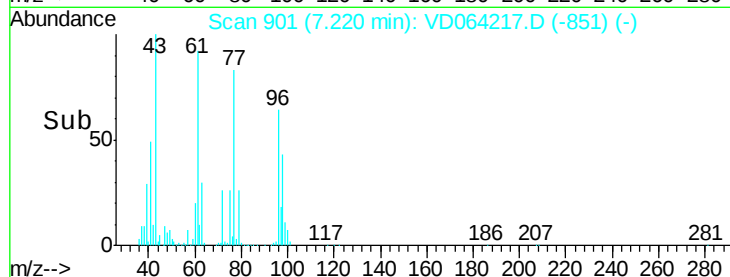
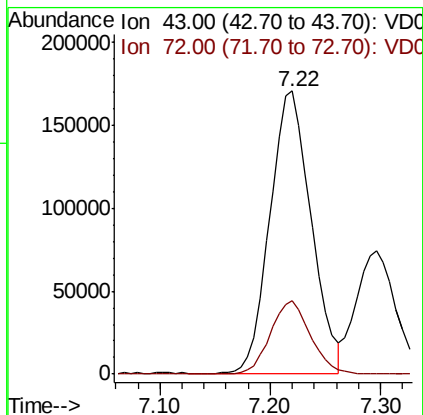
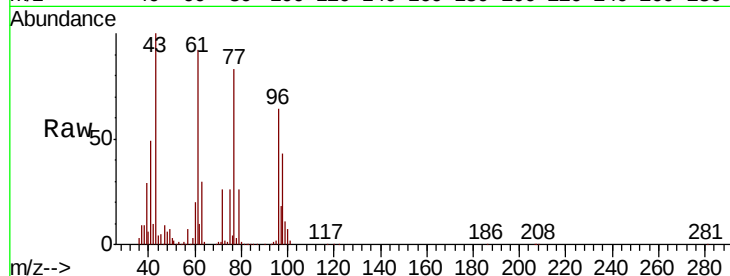
72 26.0 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.928 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064217.D

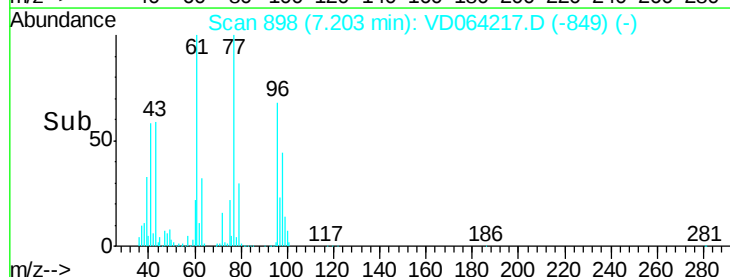
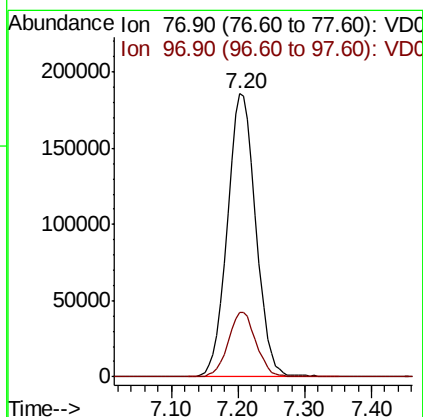
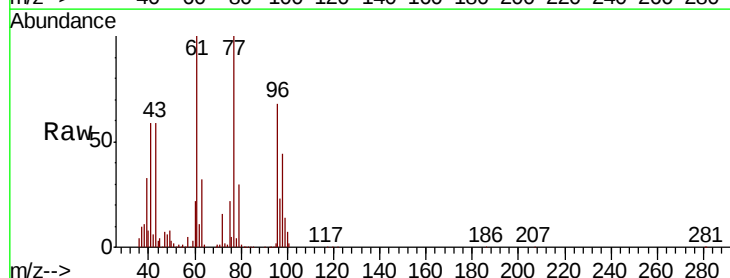
Acq: 15 Nov 2019 10:05

Tgt Ion: 77 Resp: 554256

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3





#27

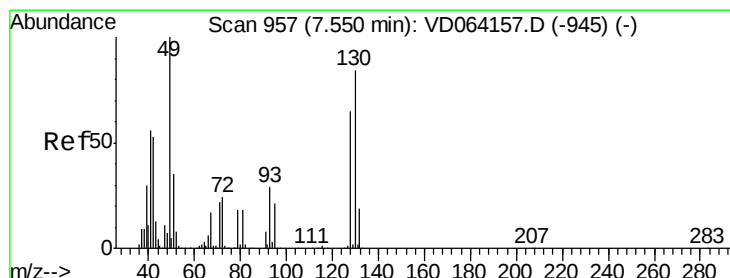
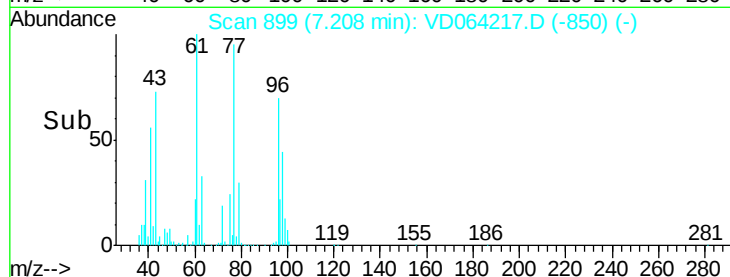
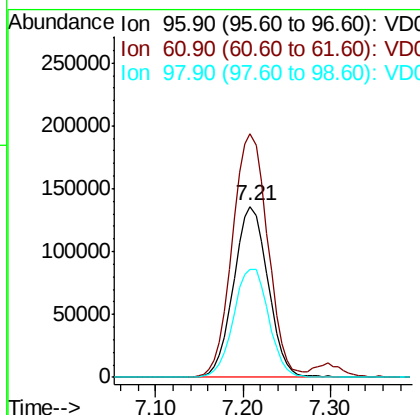
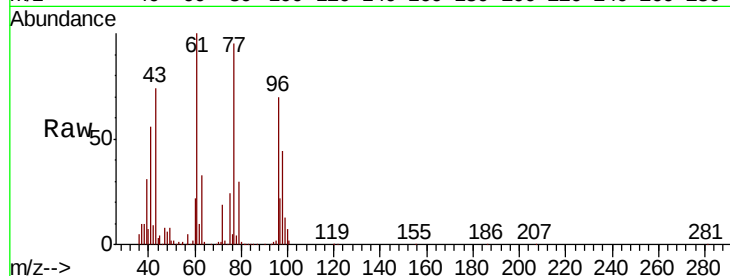
cis-1,2-Dichloroethene
Concen: 52.061 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	301.4
98	65.0	0.0	133.2

Manual Integrations
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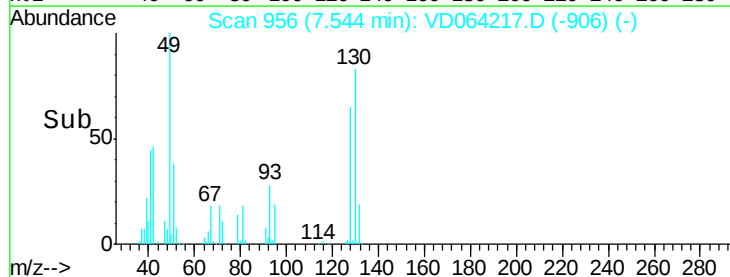
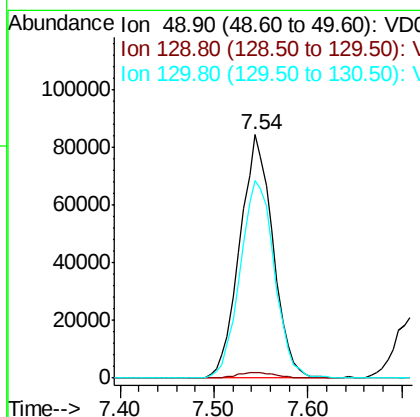
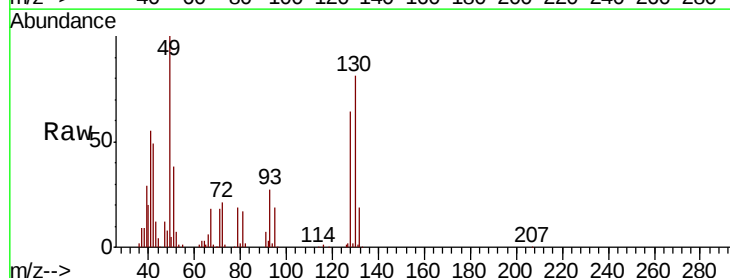
MMDADODA
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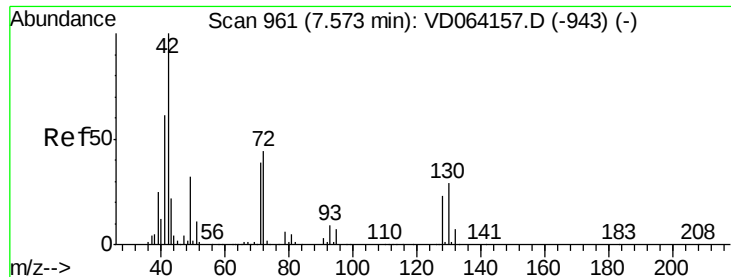


#28

Bromochloromethane
Concen: 54.426 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.4
130	84.3	66.8	100.2





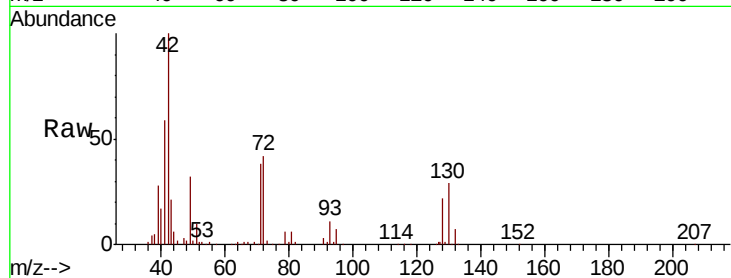
#29
Tetrahydrofuran
Concen: 260.938 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

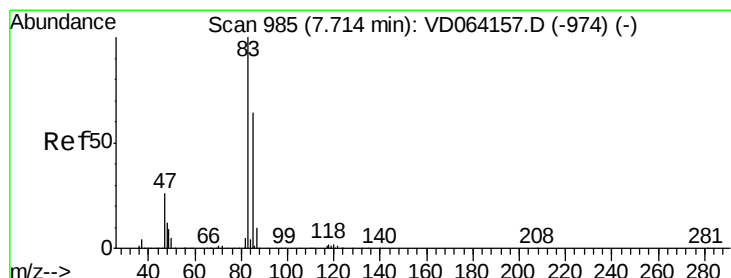
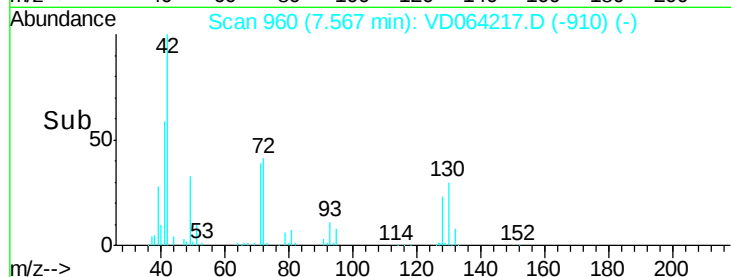
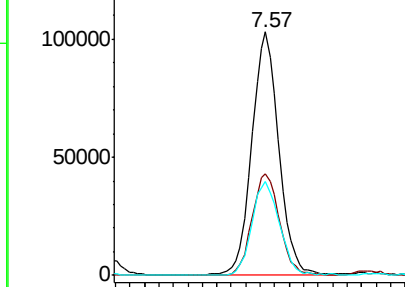
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.2
71	38.9	31.0	46.4

Manual Integrations
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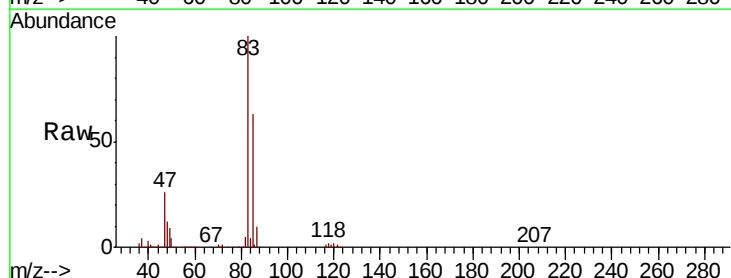


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

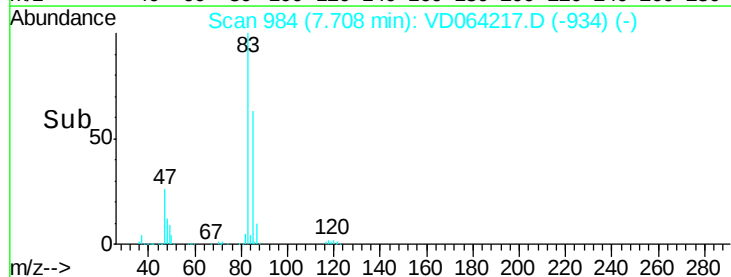
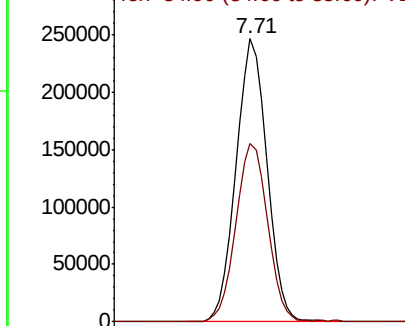


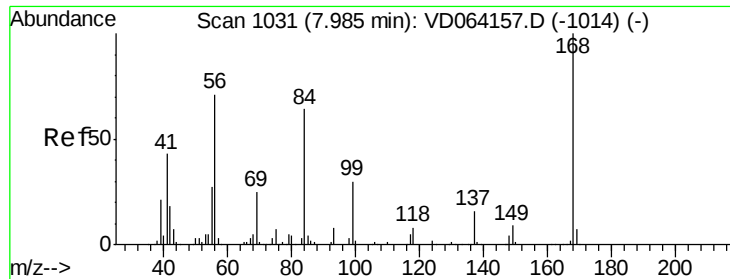
#30
Chloroform
Concen: 52.985 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.4	77.0



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





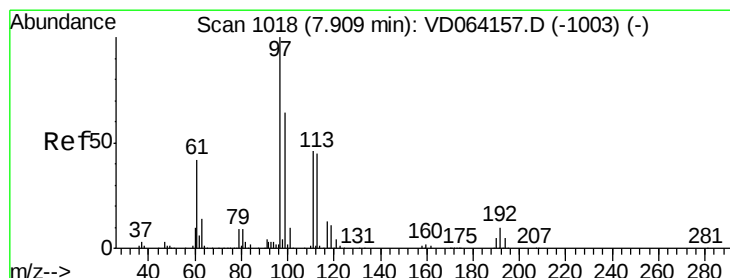
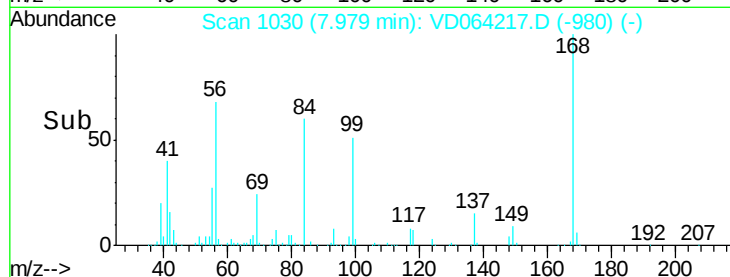
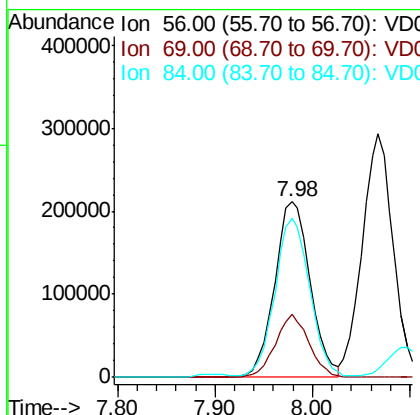
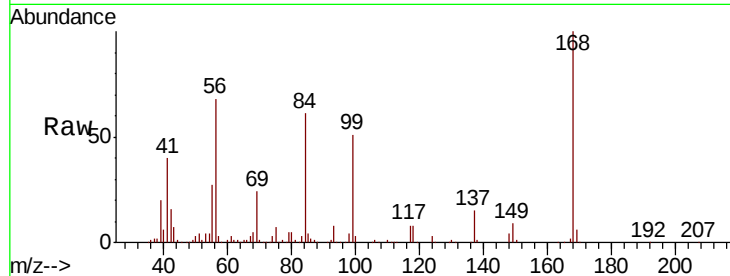
#31
Cyclohexane
Concen: 49.187 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	28.2	42.4
84	90.1	71.8	107.6

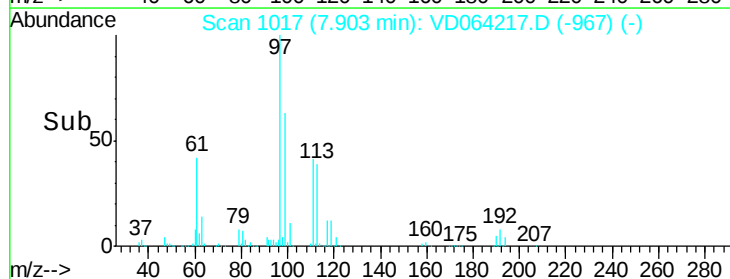
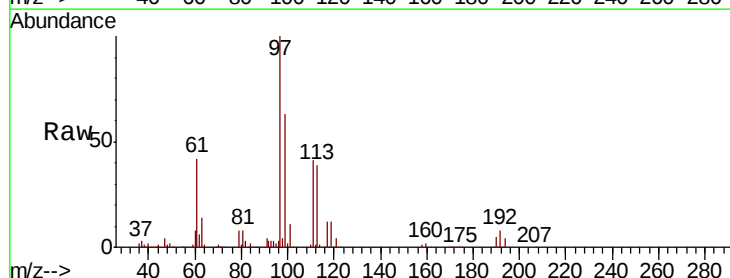
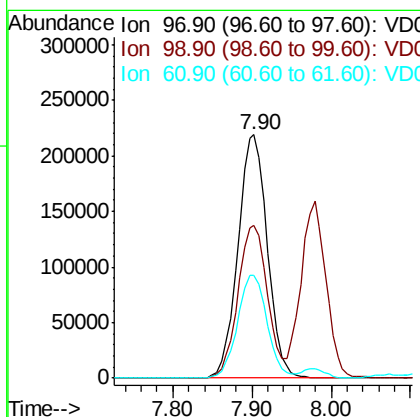
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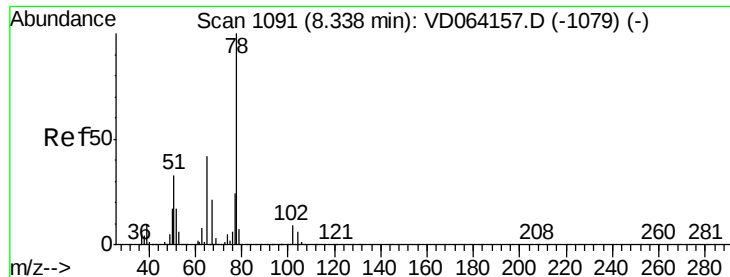
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#32
1,1,1-Trichloroethane
Concen: 52.581 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.6	77.4
61	42.9	34.2	51.2





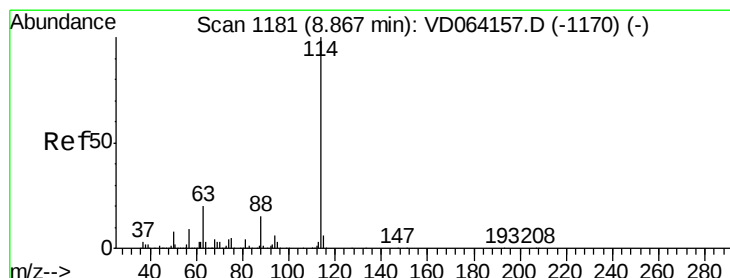
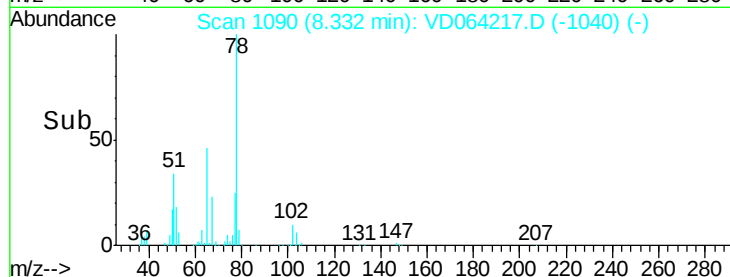
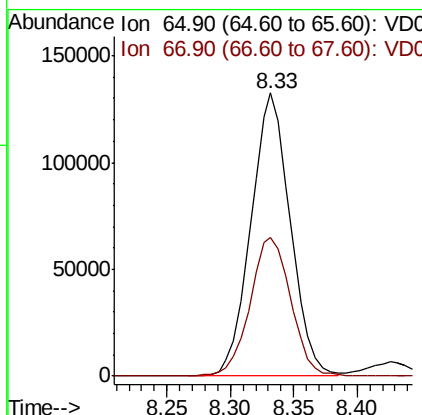
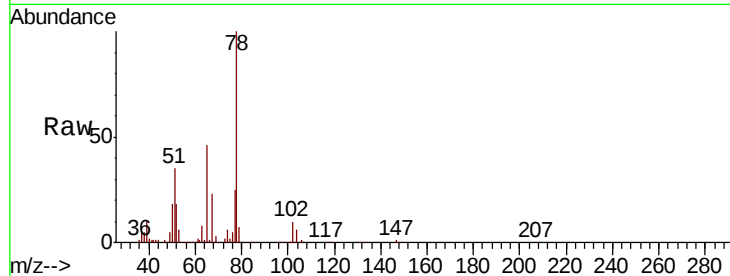
#33
 1,2-Dichloroethane-d4
 Concen: 51.241 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	104.4

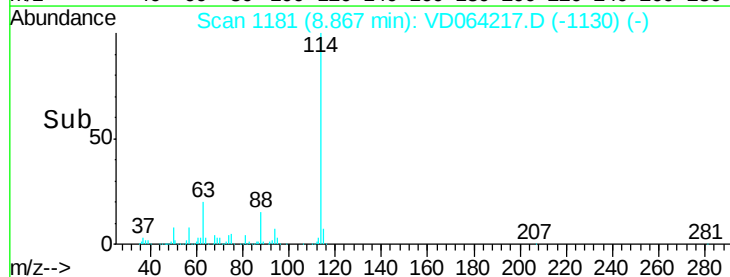
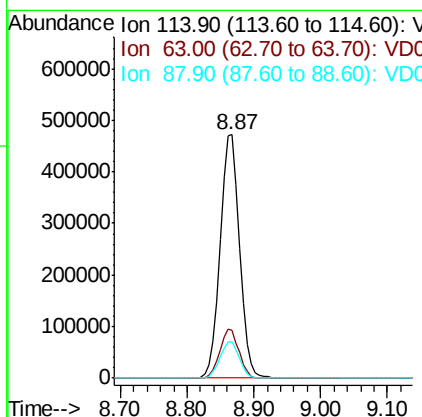
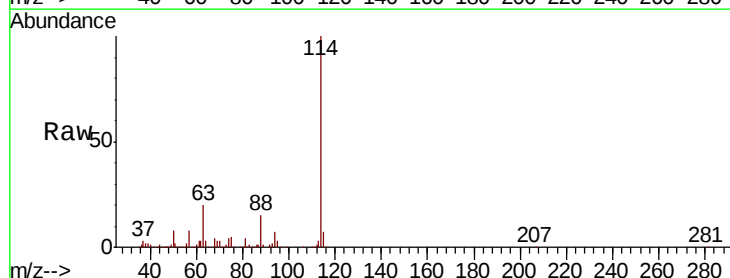
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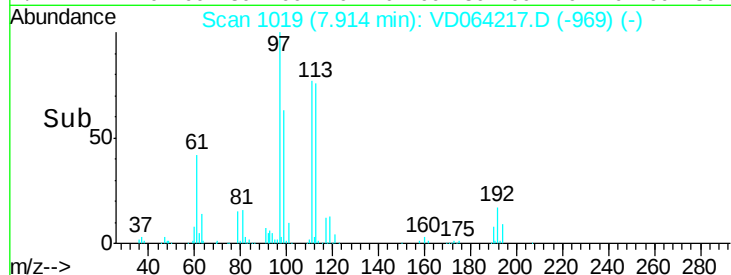
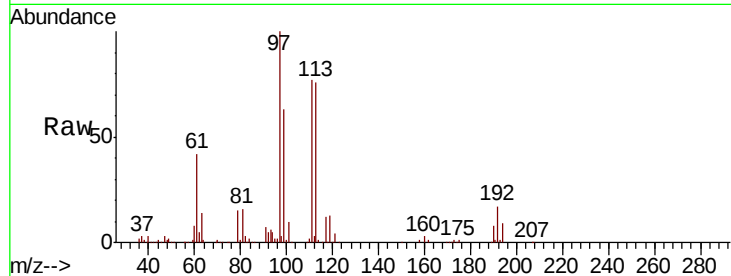
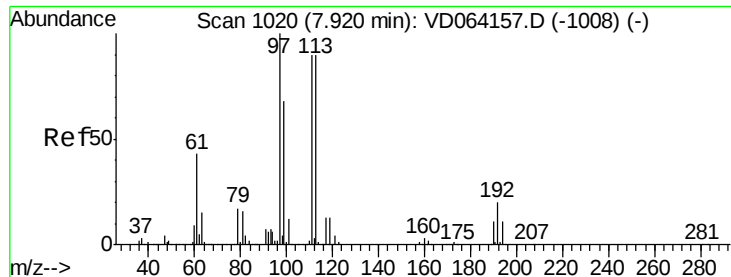
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	15.0	0.0	30.2





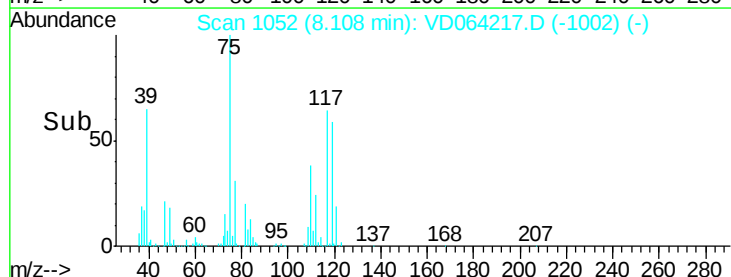
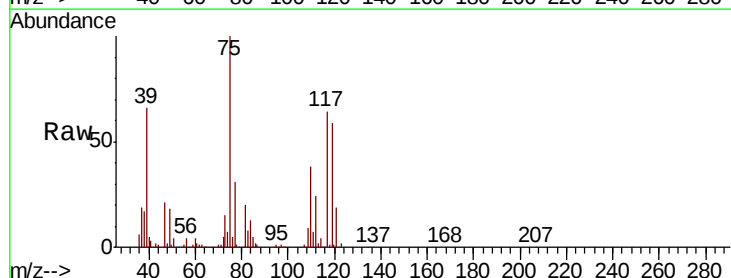
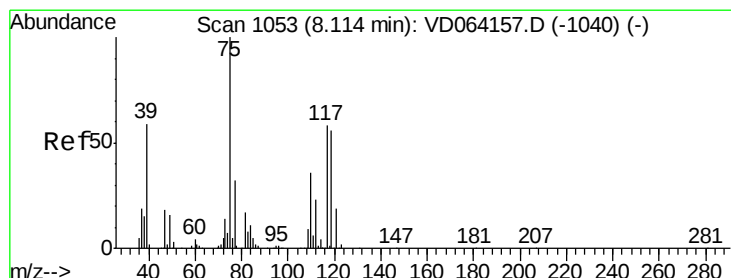
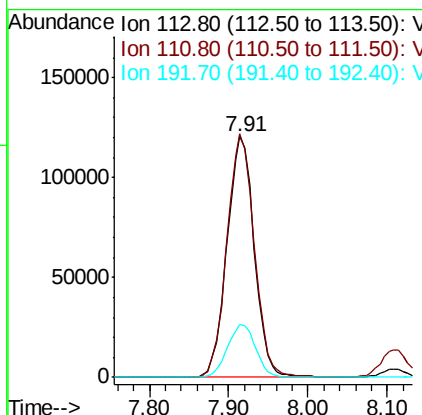
#35
Dibromofluoromethane
Concen: 51.166 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tot Ion	Ratio	Resp	Lower	Upper
113	100	286109		
111	101.8	81.5	122.3	
192	22.9	18.8	28.2	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

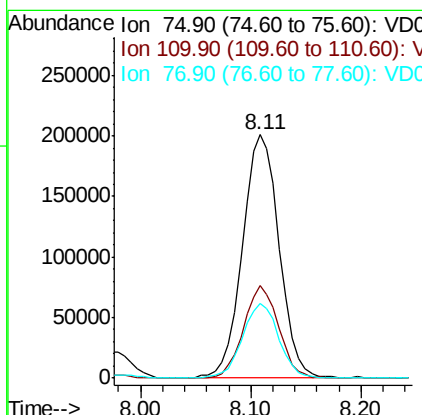
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#36
1,1-Dichloropropene
Concen: 51.837 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	466040		
110	36.6	18.3	54.9	
77	30.9	25.0	37.6	





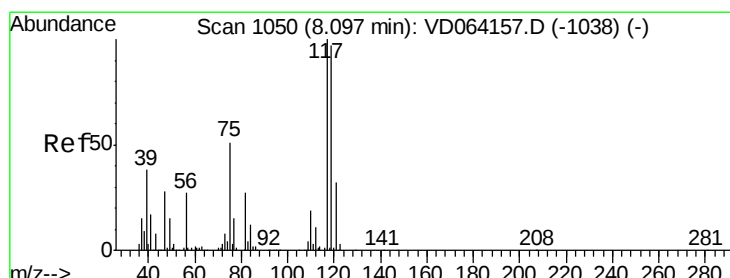
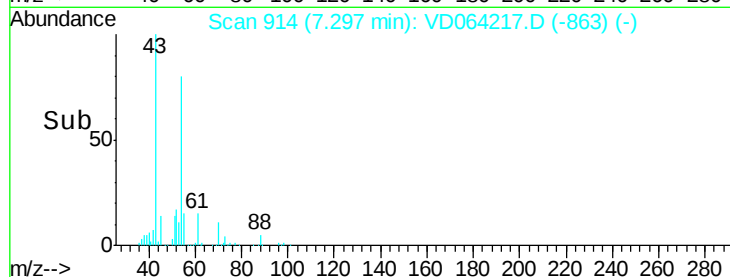
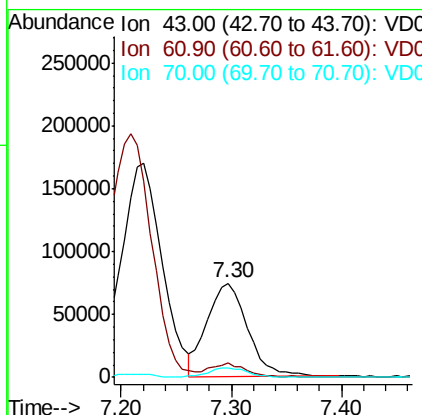
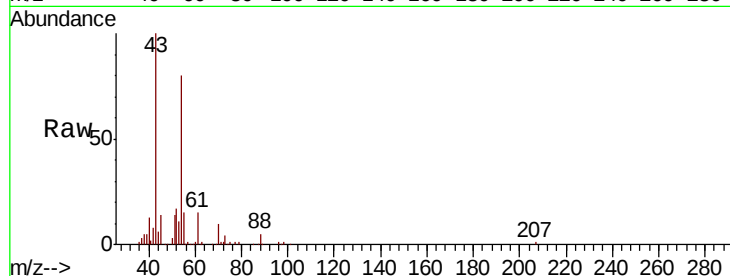
#37
Ethyl Acetate
Concen: 49.745 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.2	15.2
70	10.5	8.5	12.7

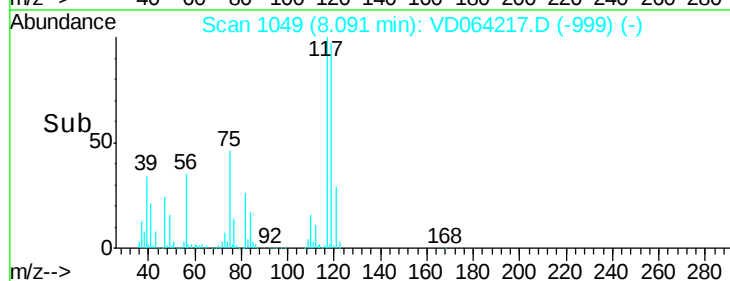
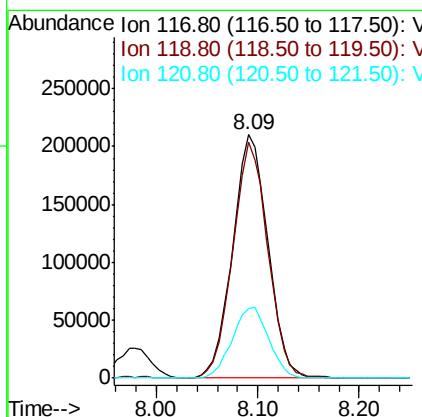
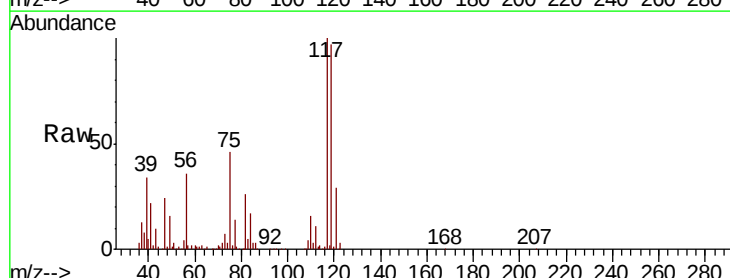
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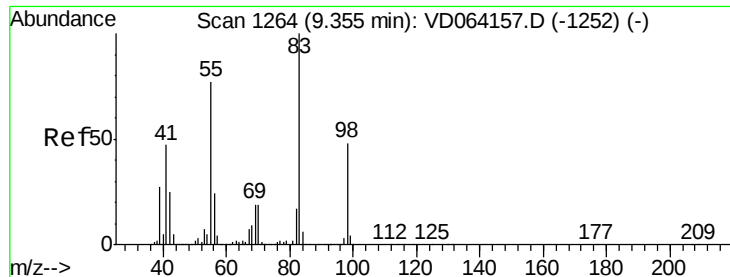
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#38
Carbon Tetrachloride
Concen: 52.754 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.2	115.8
121	28.8	25.5	38.3





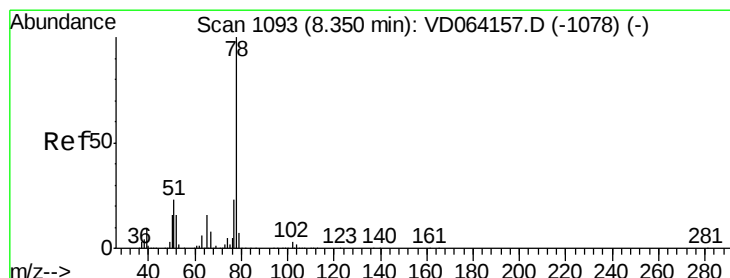
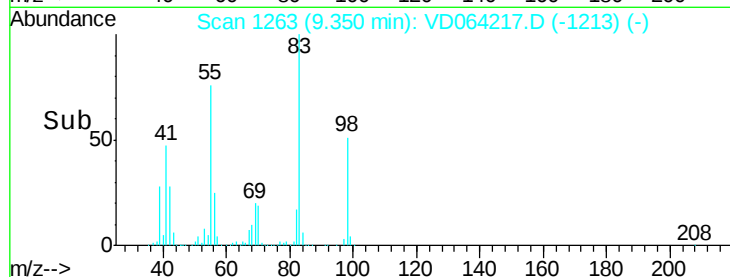
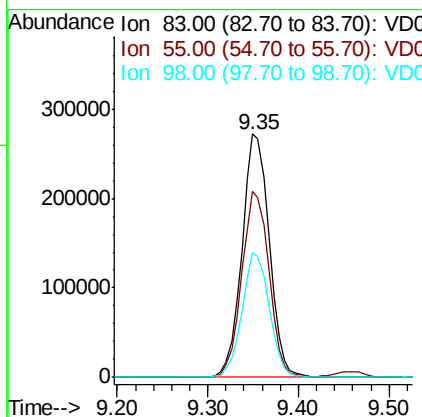
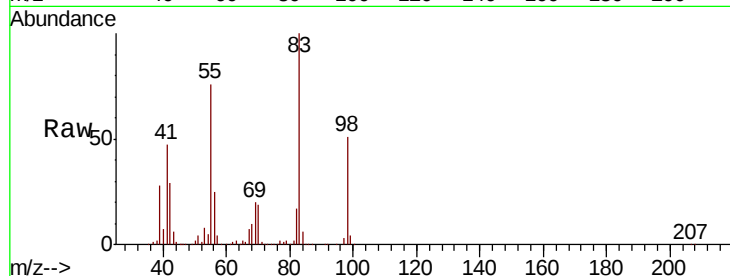
#39
Methvlcvclohexane
Concen: 50.017 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.7	92.5
98	51.1	38.6	58.0

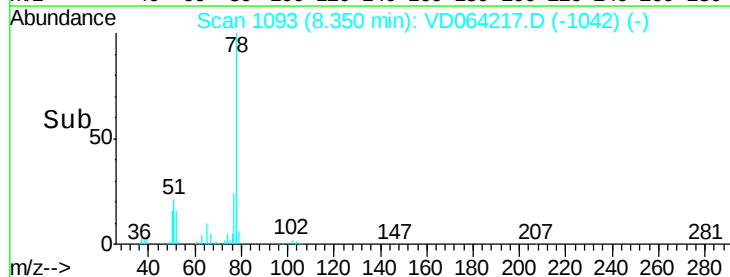
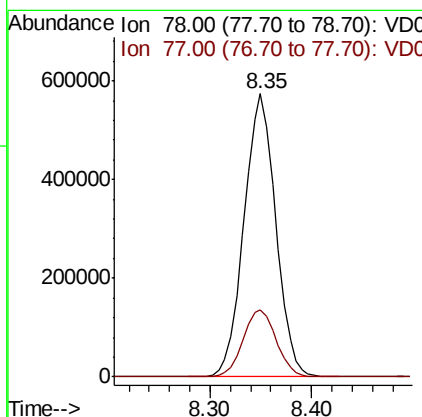
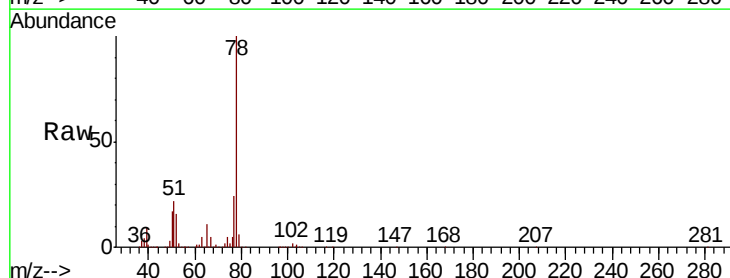
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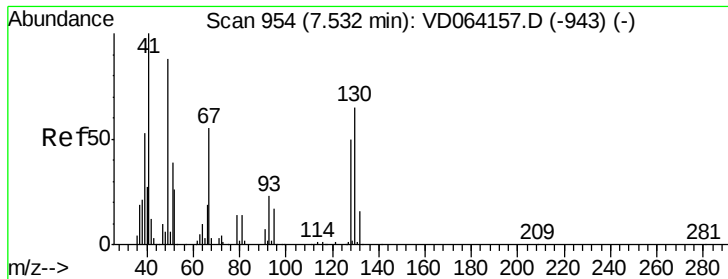
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#40
Benzene
Concen: 50.756 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





#41

Methacrylonitrile

Concen: 52.214 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

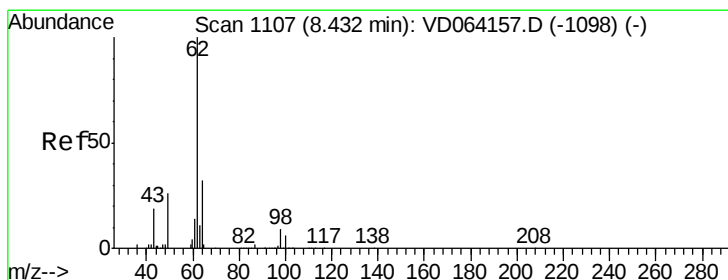
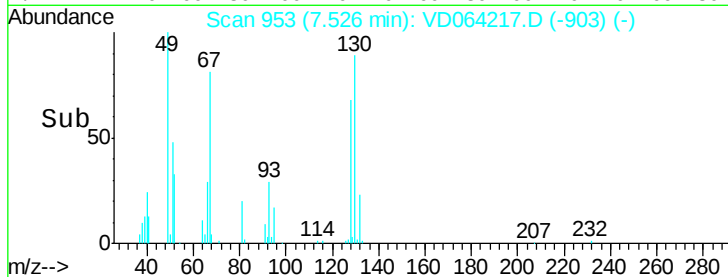
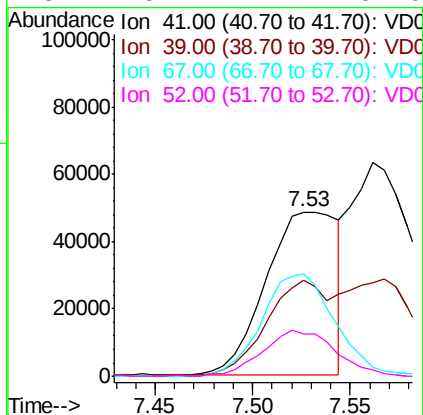
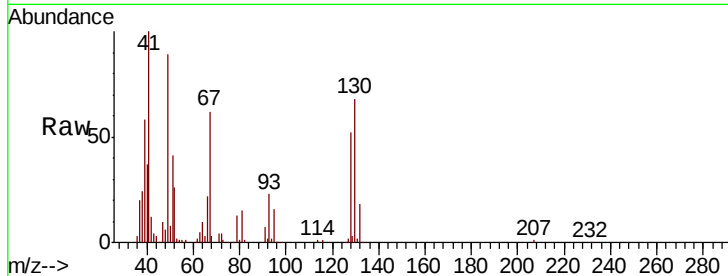
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.4	49.4	74.2#
67	63.6	49.6	74.4
52	28.4	21.4	32.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.218 ug/l

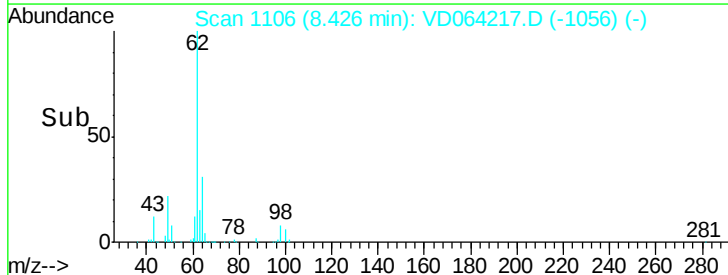
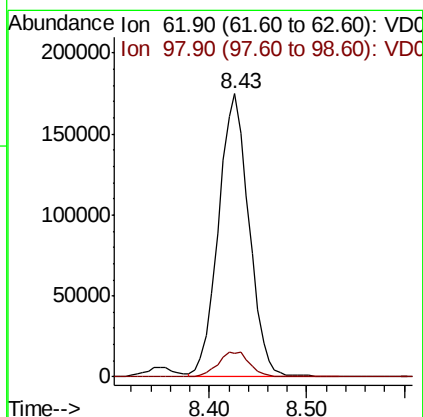
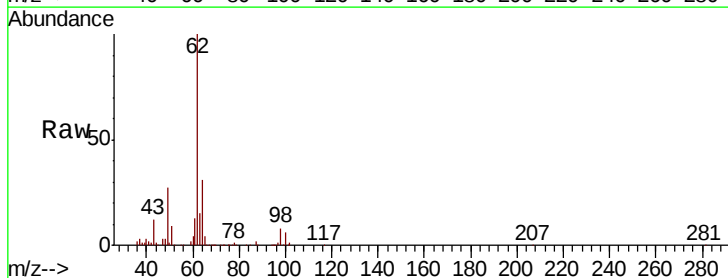
RT: 8.43 min Scan# 1106

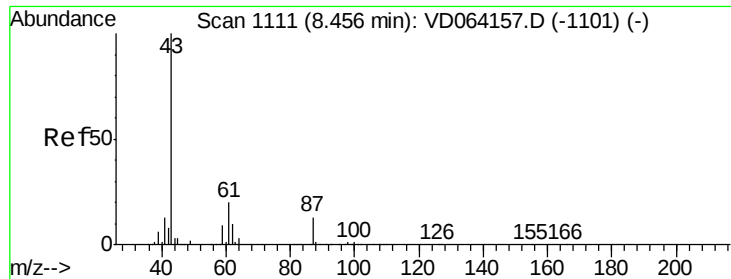
Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.0





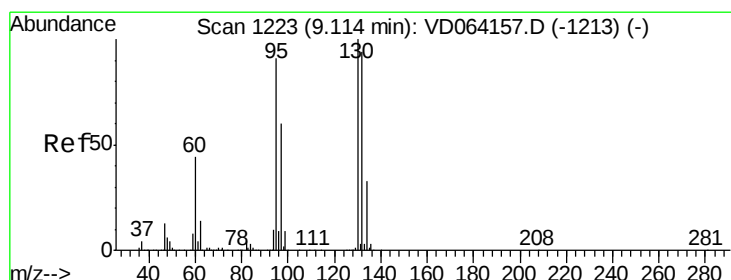
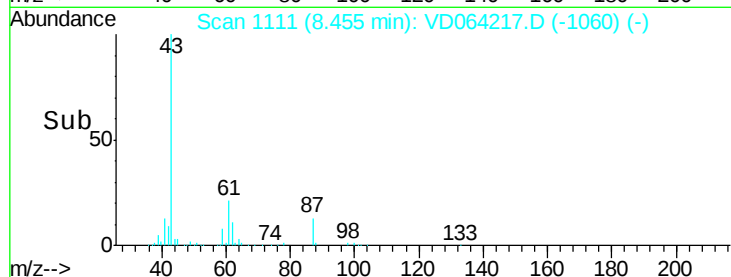
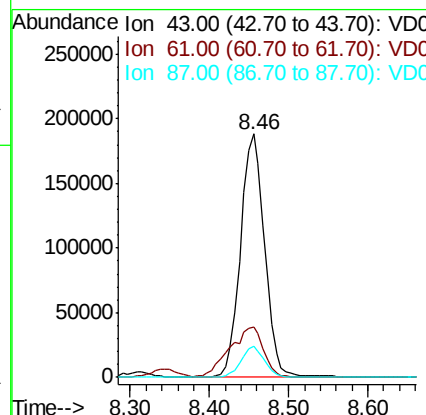
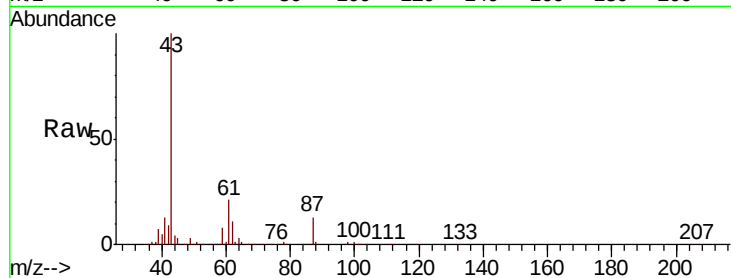
#43
Isopropyl Acetate
Concen: 50.367 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	22.9	34.3
87	12.5	10.2	15.2

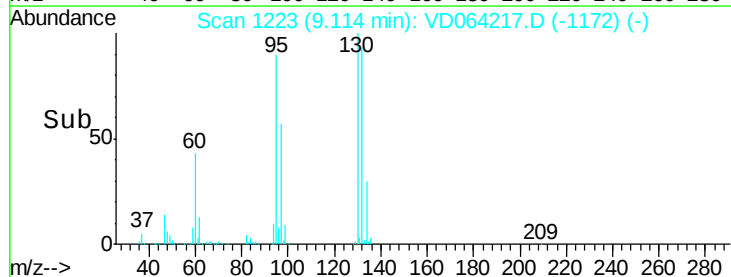
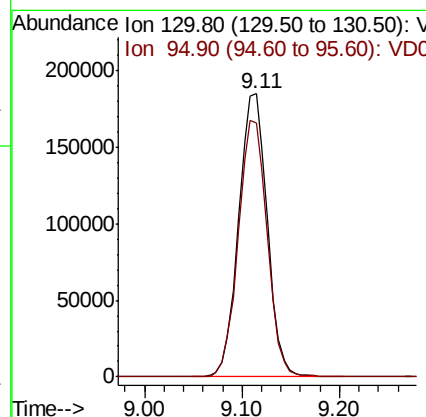
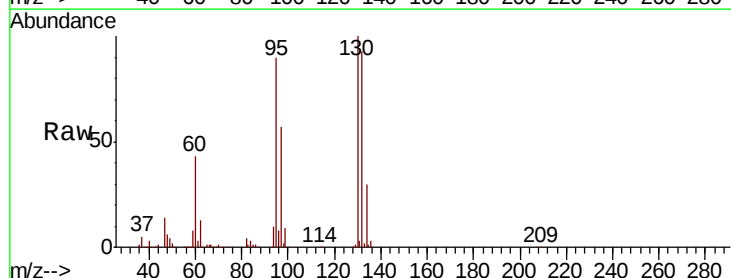
Manual Integrations
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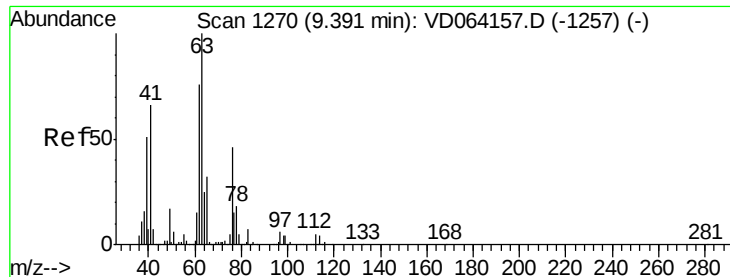
MMDADODA
11/19/2019 12:23:01 PM



#44
Trichloroethene
Concen: 51.206 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.9	0.0	181.6





#45

1,2-Dichloropropane

Concen: 50.288 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 300751

Ion Ratio Lower Upper

63 100

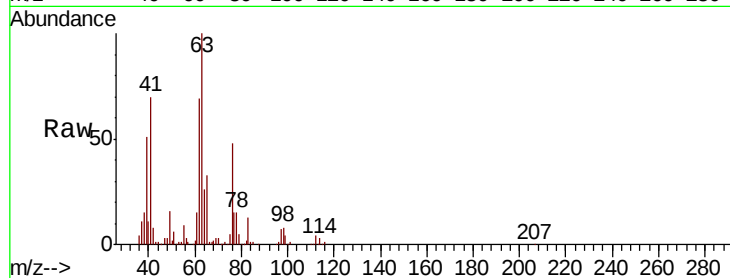
65 32.9 25.7 38.5

Manual Integrations

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MMDADODA

11/19/2019 12:23:01 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

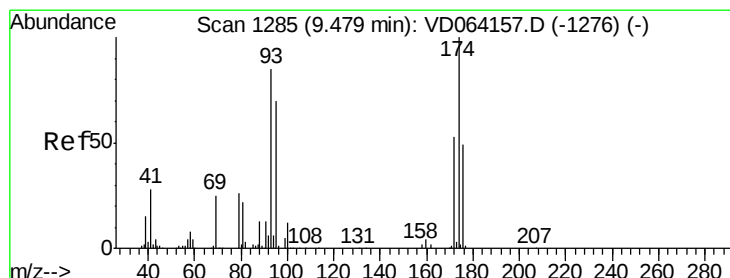
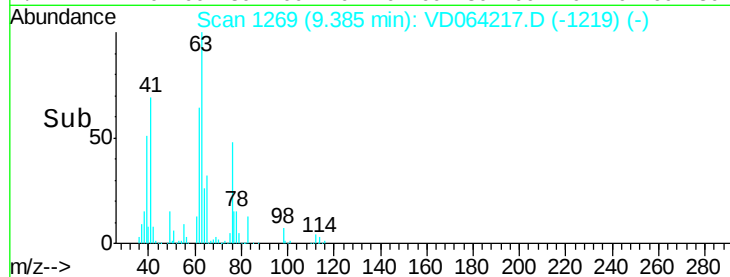
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 50.635 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

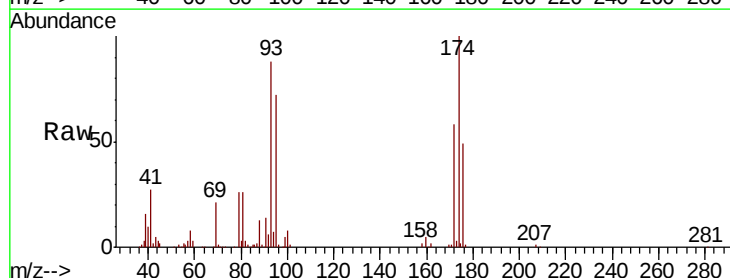
Tgt Ion: 93 Resp: 162119

Ion Ratio Lower Upper

93 100

95 83.0 65.5 98.3

174 116.8 93.9 140.9



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

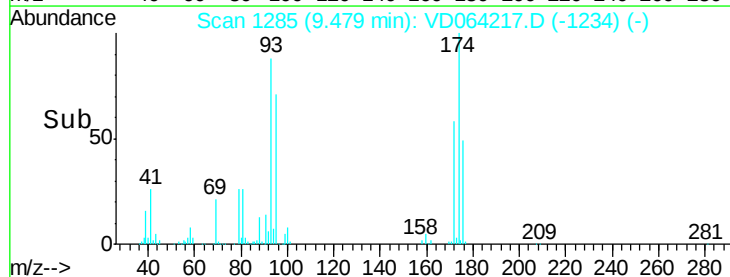
60000

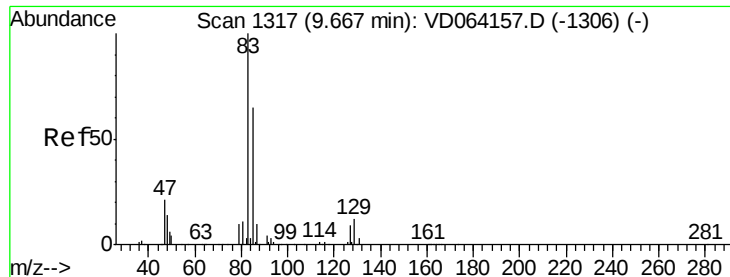
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 51.294 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

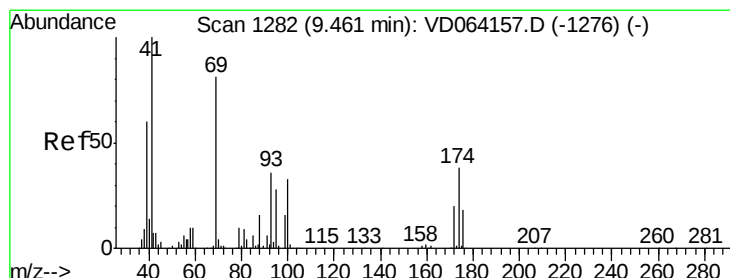
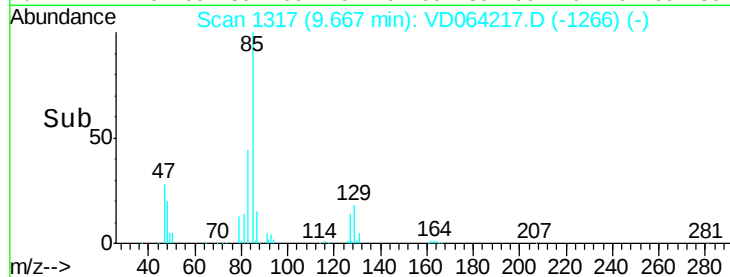
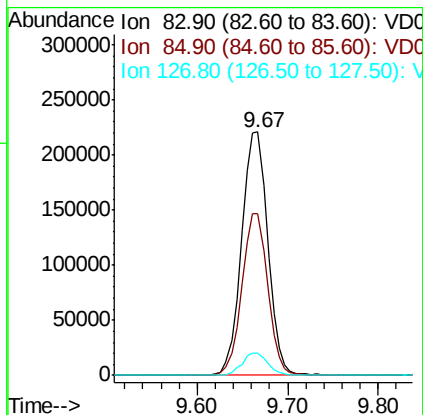
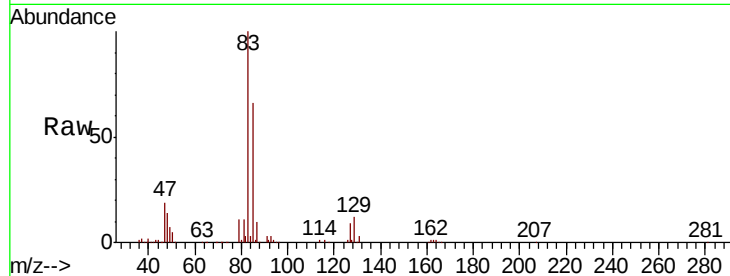
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	442371
Ion Ratio	Lower	Upper	
83	100		
85	66.2	52.2	78.4
127	9.1	7.5	11.3

Manual Integrations
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11/19/2019 12:23:01 PM



#48

Methyl methacrylate

Concen: 47.270 ug/l

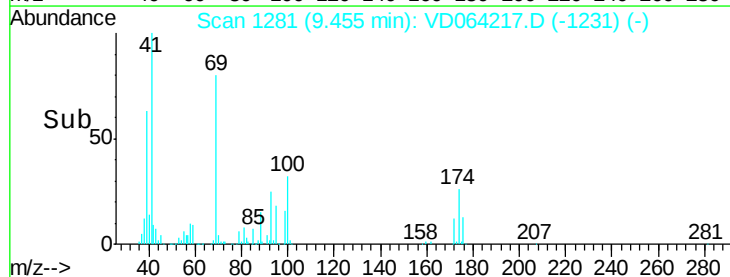
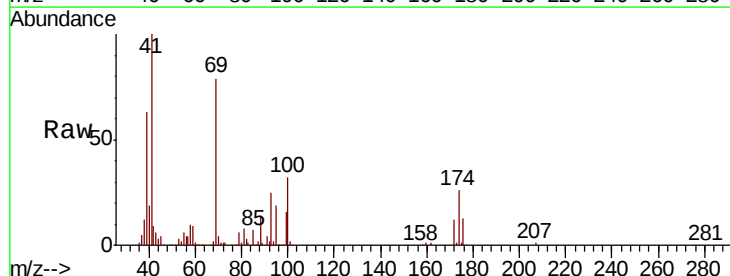
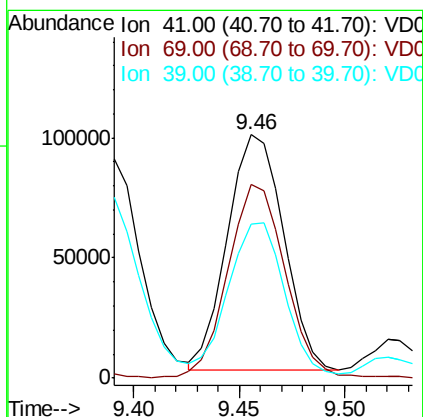
RT: 9.46 min Scan# 1281

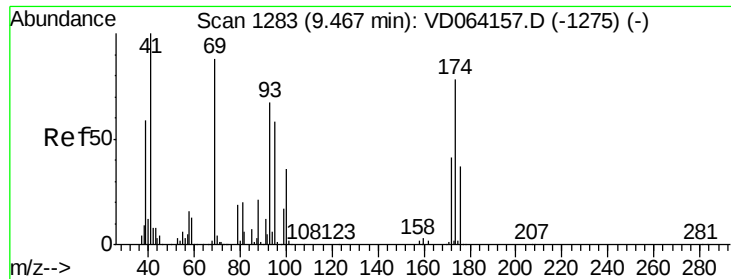
Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Tgt Ion:	41	Resp:	180505
Ion Ratio	Lower	Upper	
41	100		
69	84.0	64.6	97.0
39	63.3	48.2	72.2





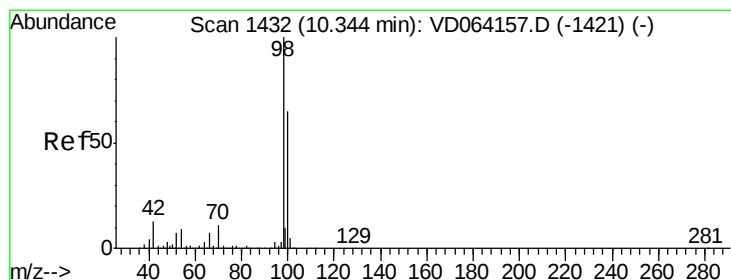
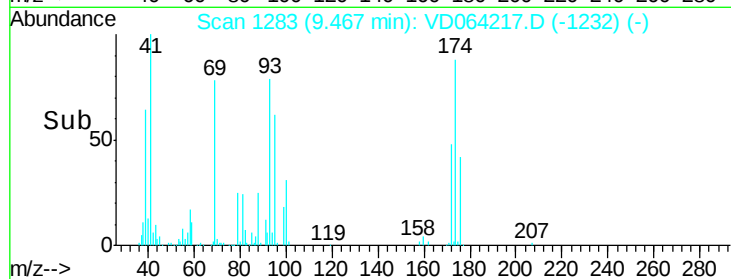
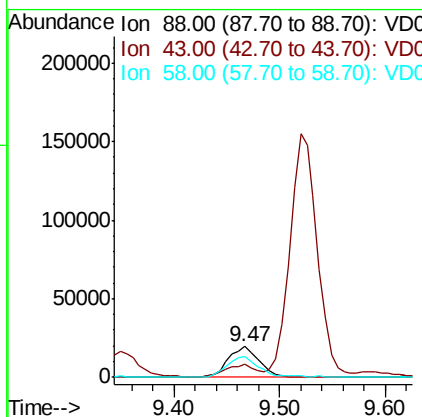
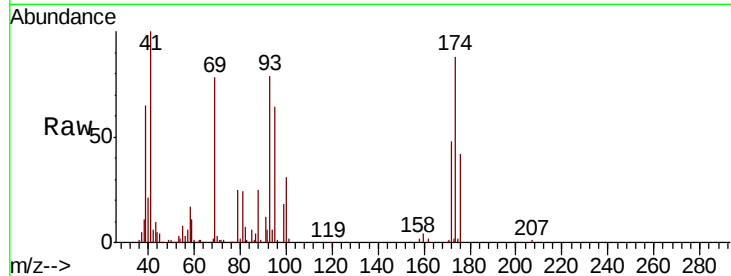
#49
1,4-Dioxane
Concen: 1036.207 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	39845
Ion Ratio	Lower	Upper	
88	100		
43	37.2	29.8	44.8
58	67.1	58.1	87.1

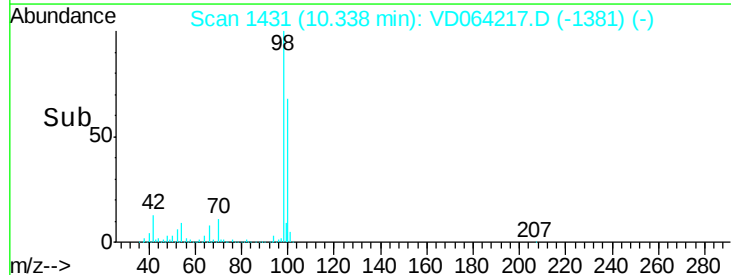
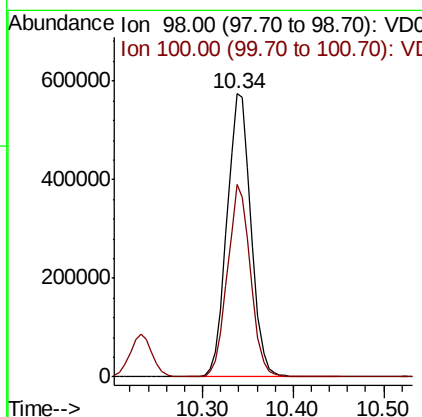
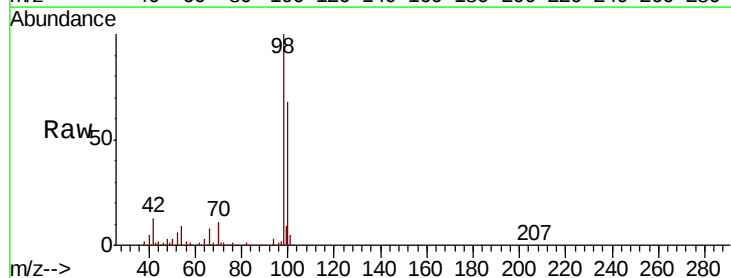
Manual Integrations
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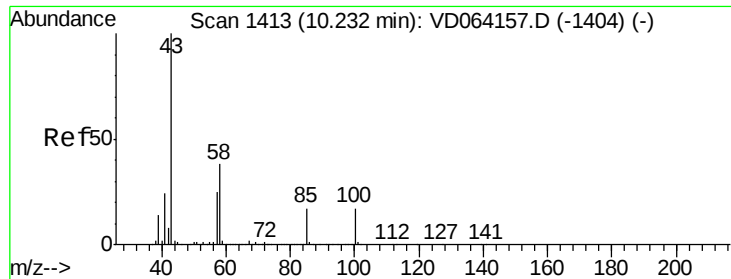
MMDADODA
11/19/2019 12:23:01 PM



#50
Toluene-d8
Concen: 50.106 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	98	Resp	1056950
Ion Ratio	Lower	Upper	
98	100		
100	65.4	52.6	78.8





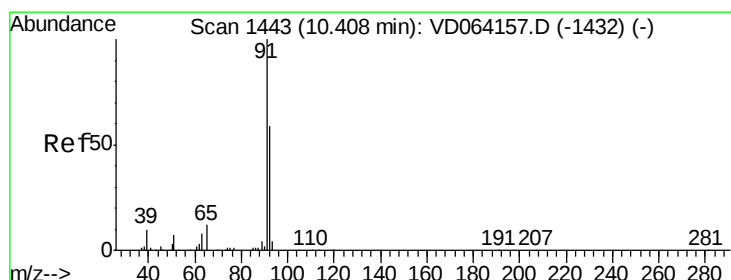
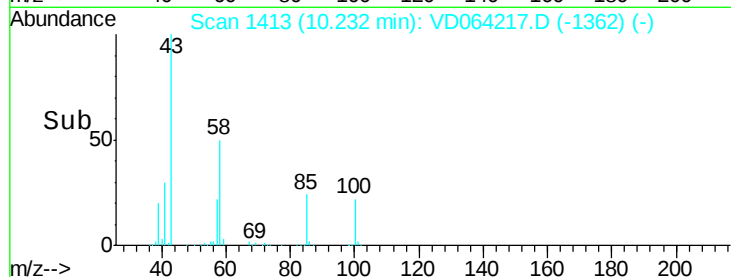
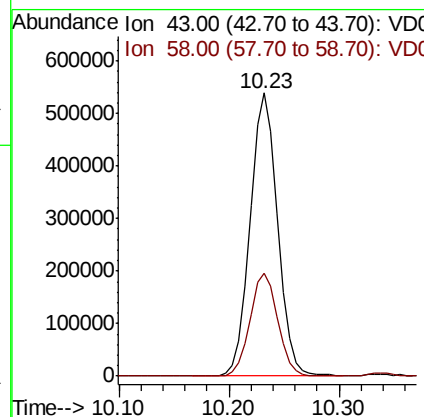
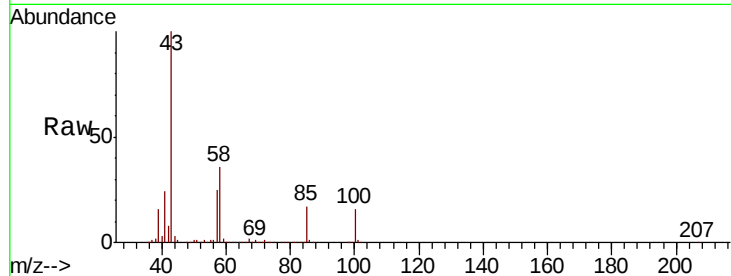
#51
4-Methyl-2-Pentanone
Concen: 251.746 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	36.9		30.2	45.4	

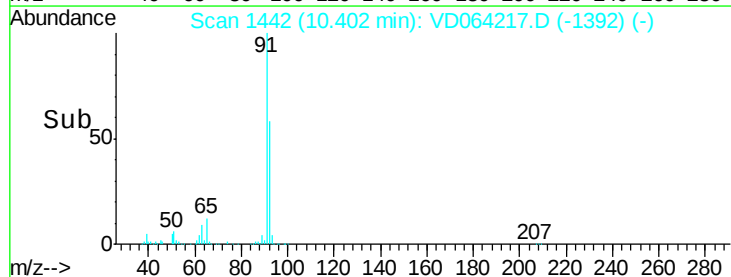
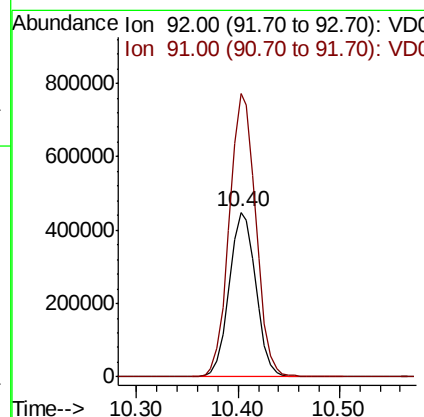
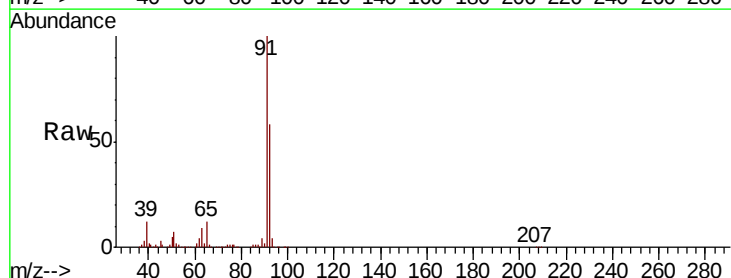
Manual Integrations
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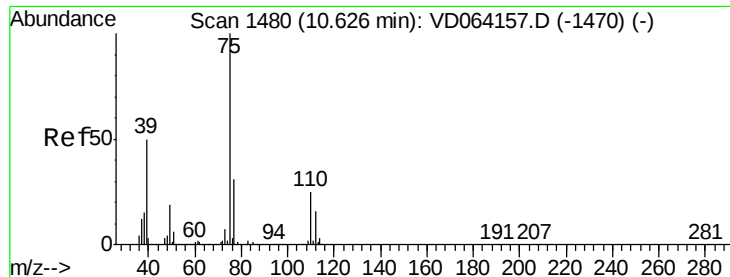
MMDADODA
11/19/2019 12:23:01 PM



#52
Toluene
Concen: 50.480 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	172.0		136.4	204.6	





#53

t-1,3-Dichloropropene

Concen: 50.042 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 432370

Ion Ratio Lower Upper

75 100

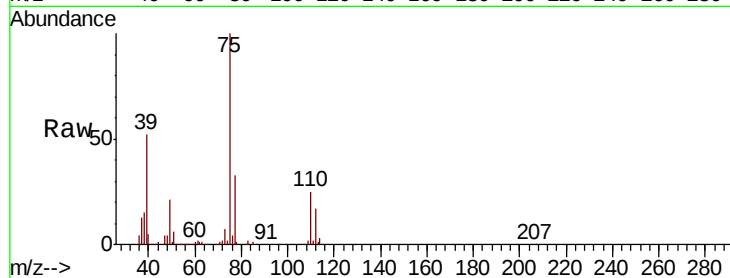
77 33.0 24.7 37.1

Manual Integrations

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MMDADODA

11/19/2019 12:23:01 PM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

250000

200000

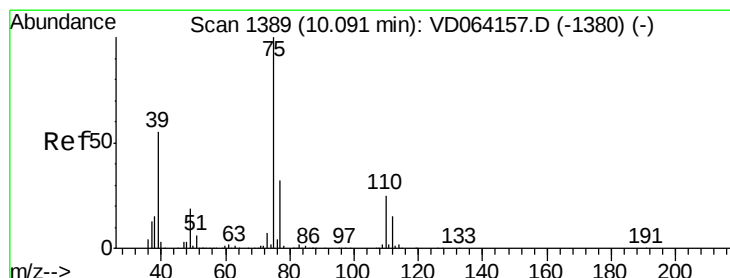
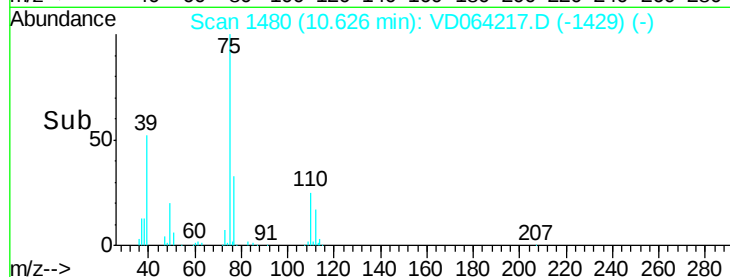
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.513 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

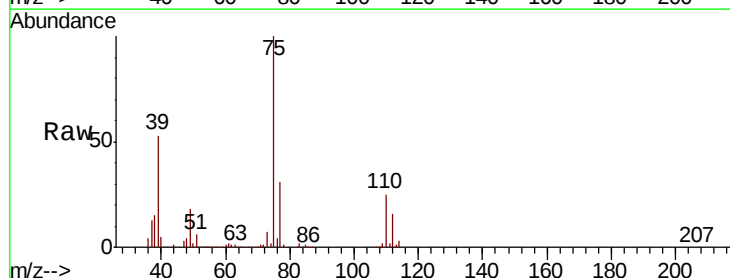
Tgt Ion: 75 Resp: 509284

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 53.1 44.2 66.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

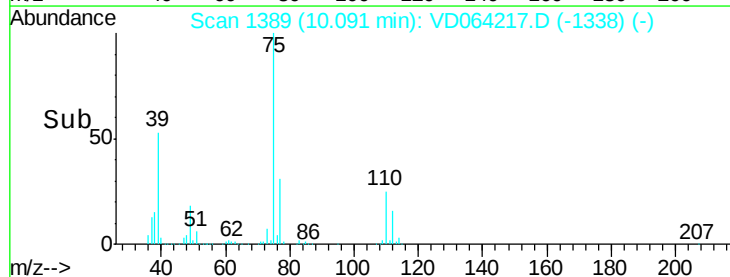
300000

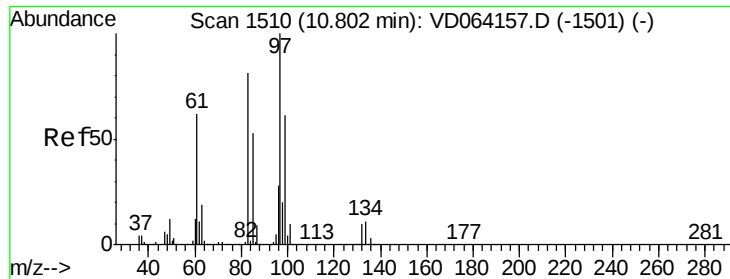
200000

100000

0

Time-->





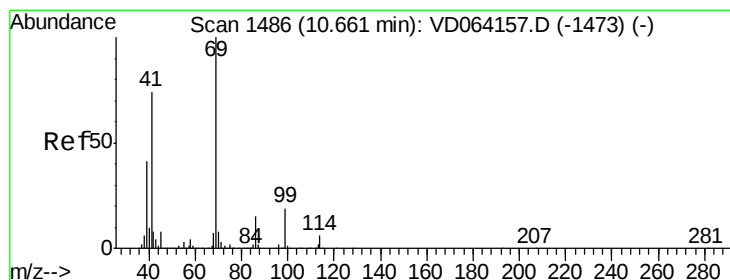
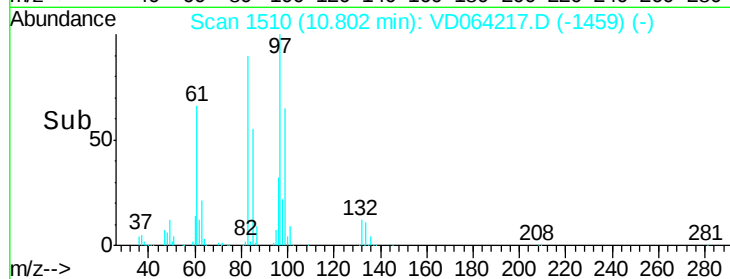
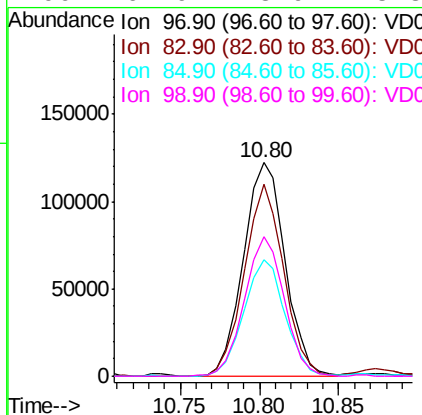
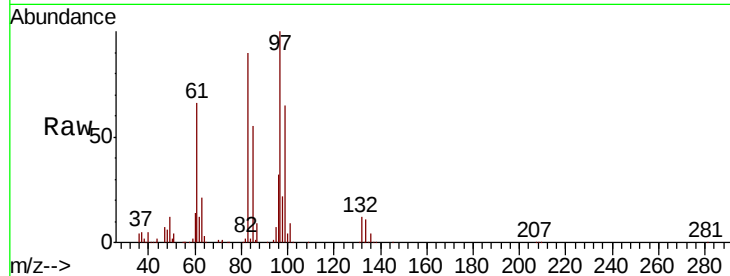
#55
 1,1,2-Trichloroethane
 Concen: 51.397 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.6	65.1	97.7
85	54.5	42.0	63.0
99	64.9	48.9	73.3

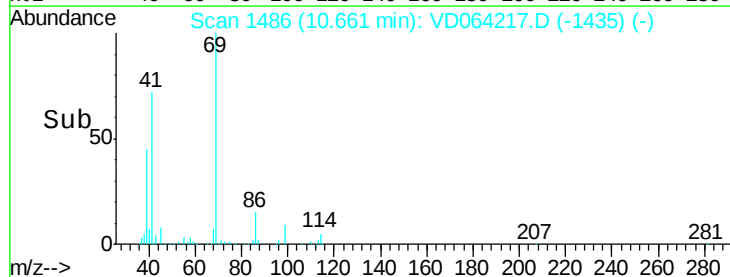
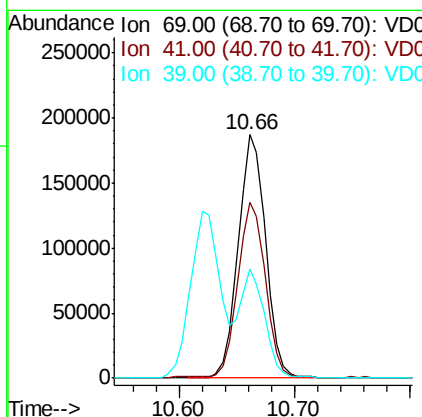
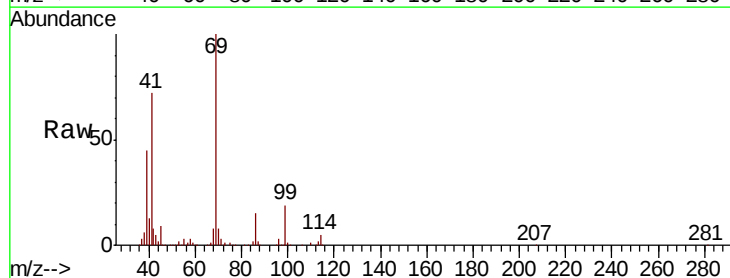
Manual Integrations
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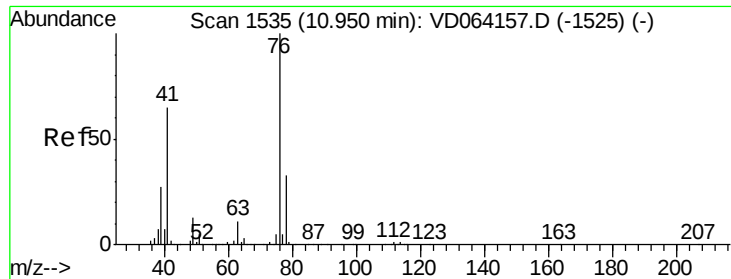
MMDADODA
 11/19/2019 12:23:01 PM



#56
 Ethyl methacrylate
 Concen: 50.903 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.3	57.9	86.9
39	41.5	29.0	43.4





#57

1,3-Dichloropropane

Concen: 51.284 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 388469

Ion Ratio Lower Upper

76 100

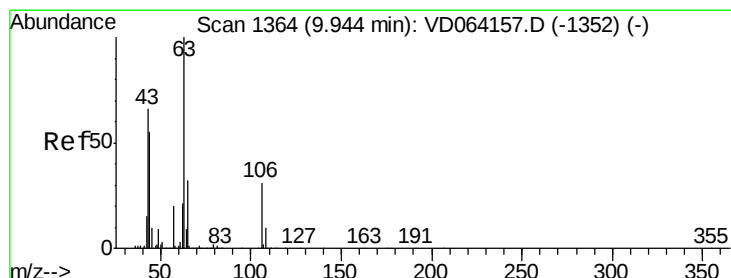
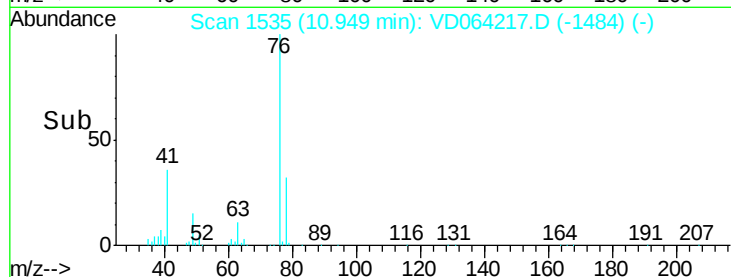
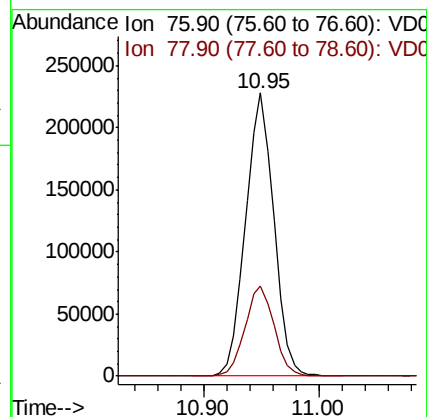
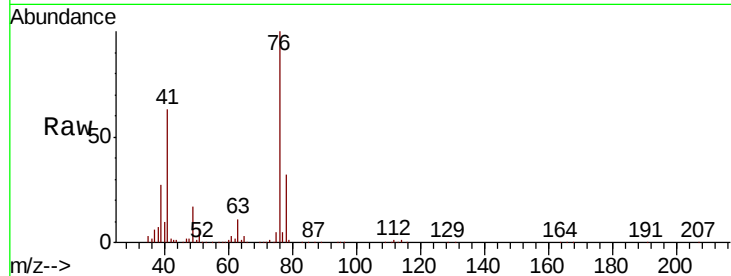
78 32.6 26.2 39.4

Manual Integrations

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11/19/2019 12:23:01 PM



#58

2-Chloroethyl Vinyl ether

Concen: 249.061 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064217.D

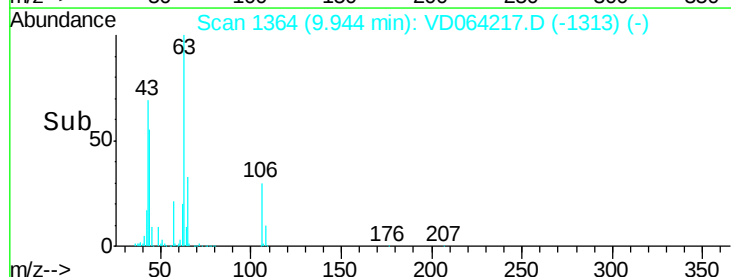
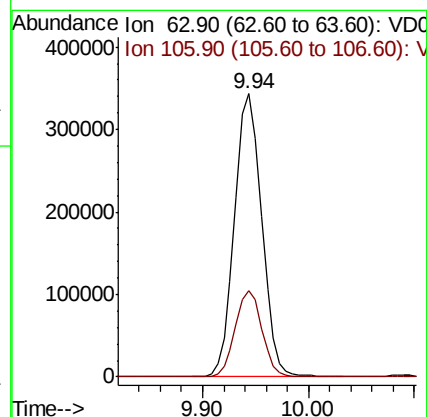
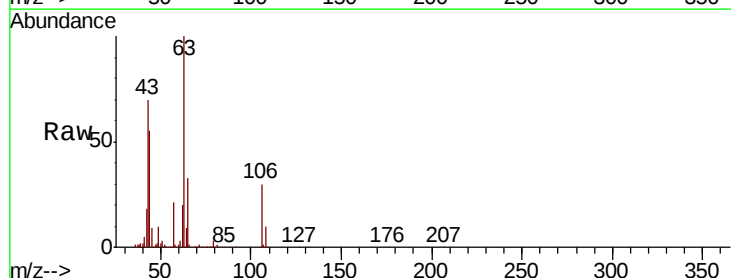
Acq: 15 Nov 2019 10:05

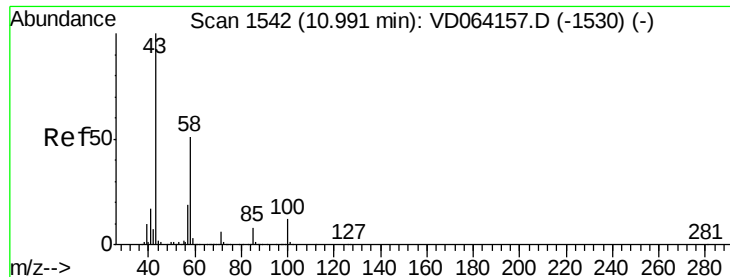
Tgt Ion: 63 Resp: 612981

Ion Ratio Lower Upper

63 100

106 29.9 24.1 36.1





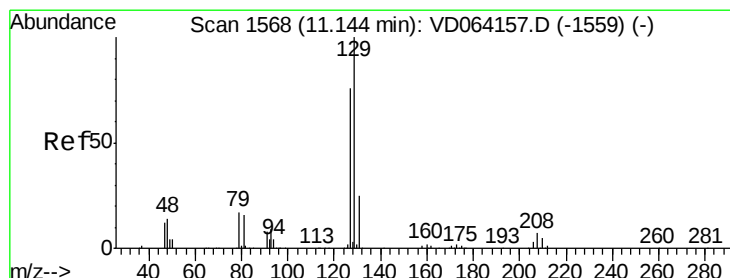
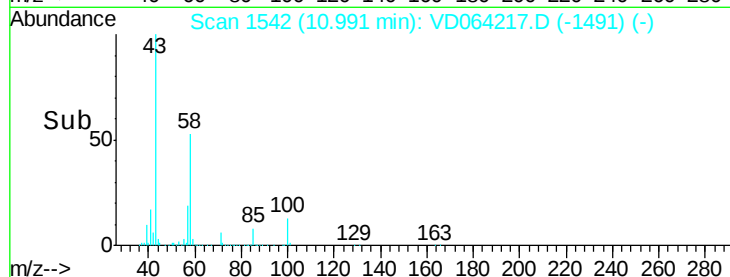
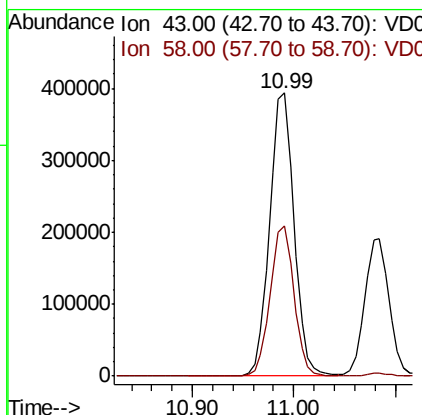
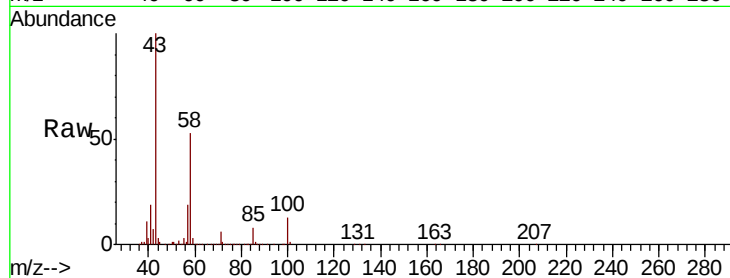
#59
2-Hexanone
Concen: 247.495 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 659400
Ion Ratio Lower Upper
43 100
58 52.3 25.9 77.7

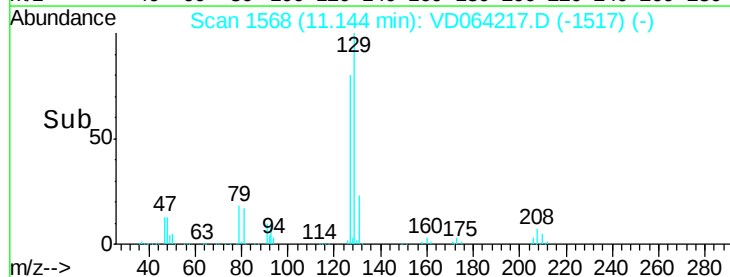
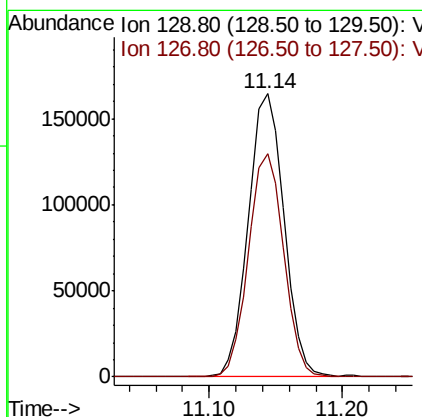
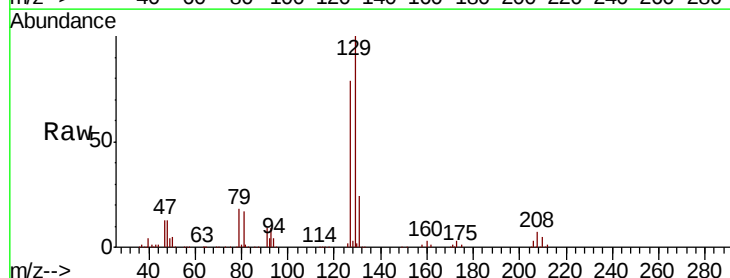
Manual Integrations
APPROVED

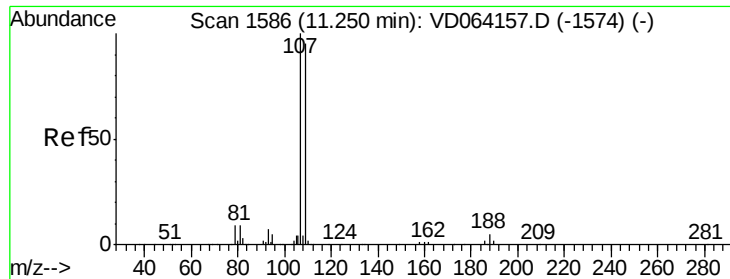
MMDADODA
11/19/2019 12:23:01 PM



#60
Dibromochloromethane
Concen: 50.185 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion: 129 Resp: 304152
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





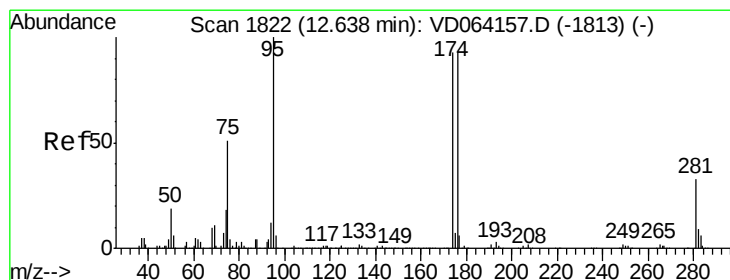
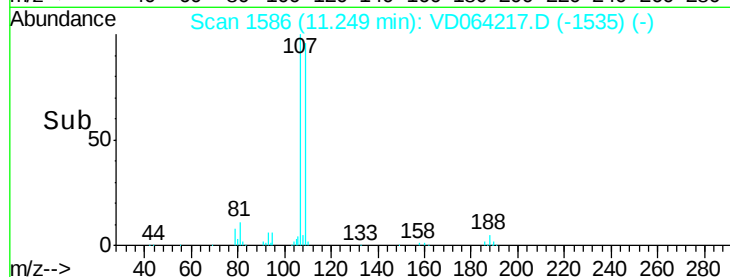
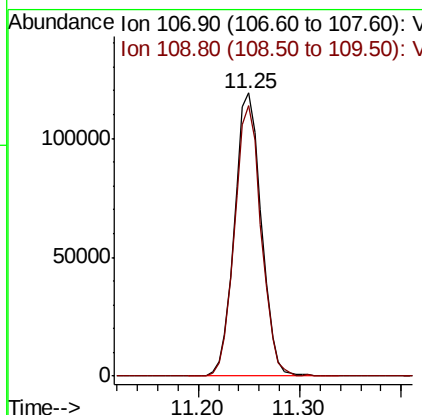
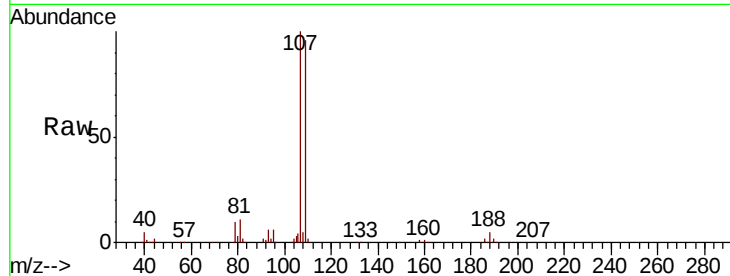
#61
 1,2-Dibromoethane
 Concen: 50.250 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	218606		
109	94.8	75.1	112.7	

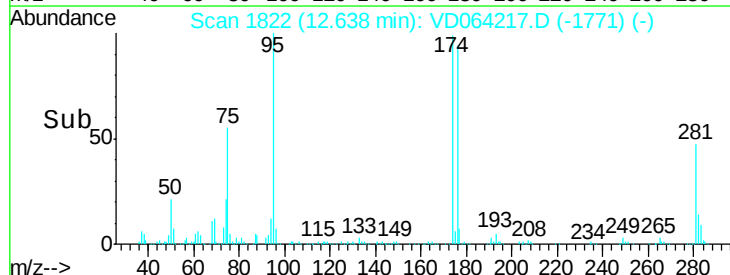
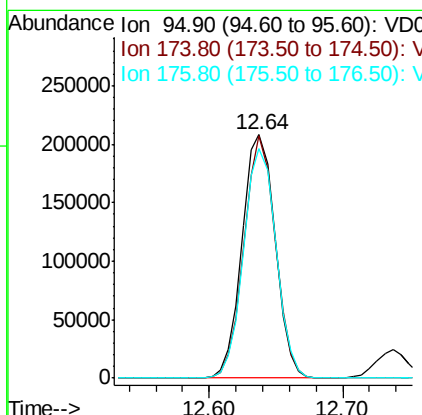
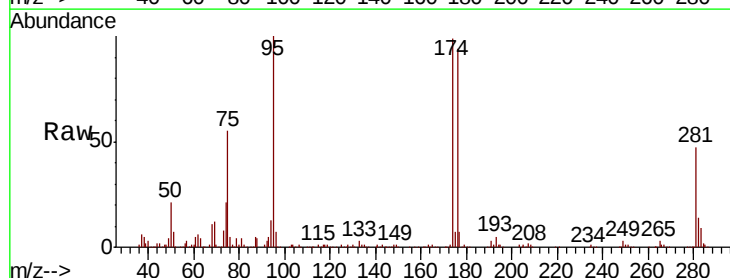
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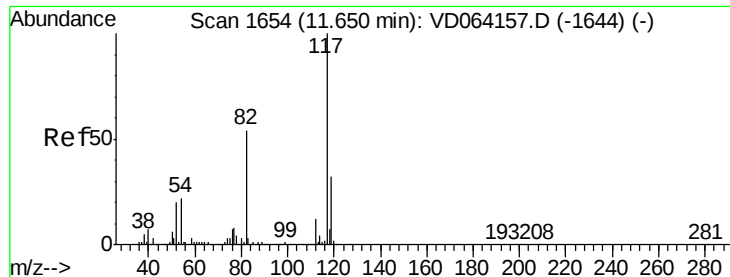
MMDADODA
 11/19/2019 12:23:01 PM



#62
 4-Bromofluorobenzene
 Concen: 48.903 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	357243		
174	93.8	0.0	183.6	
176	92.4	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: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

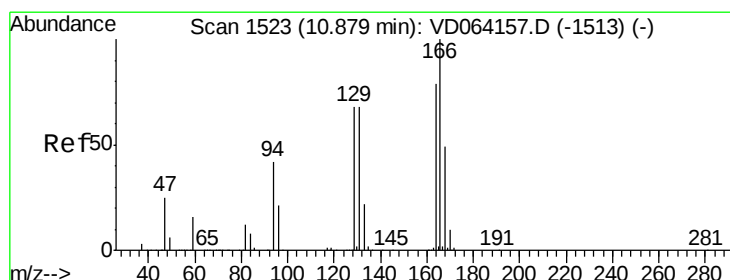
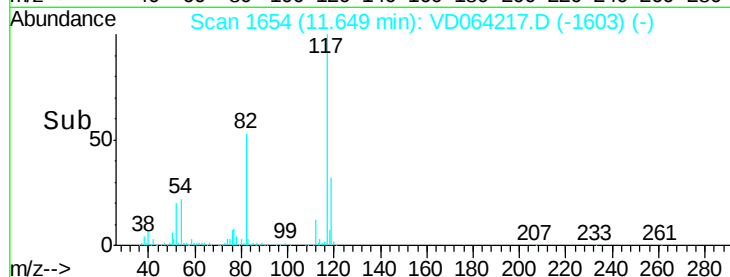
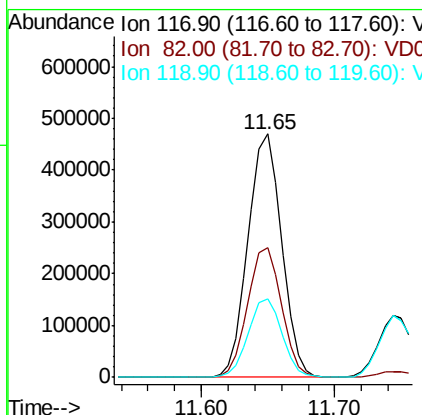
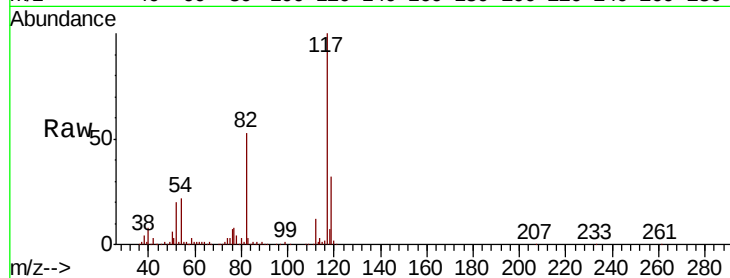
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	822181
Ion Ratio	Lower	Upper	
117	100		
82	53.3	42.8	64.2
119	32.0	25.6	38.4

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#64

Tetrachloroethene

Concen: 51.168 ug/l

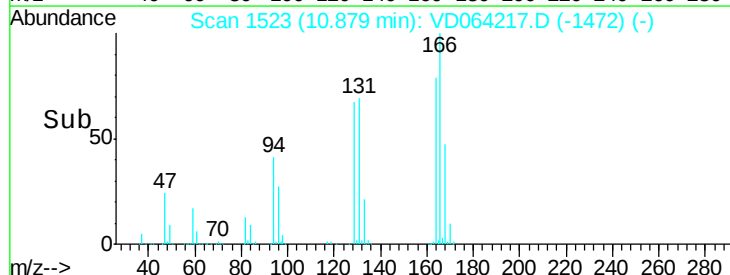
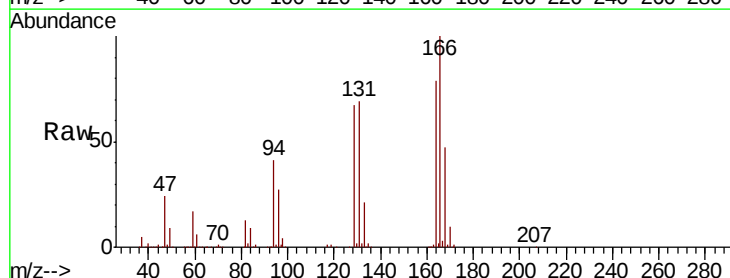
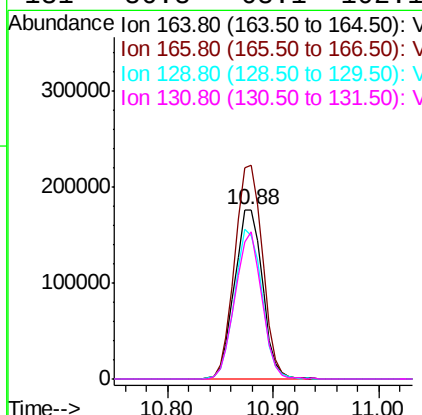
RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Tgt Ion:	164	Resp:	323550
Ion Ratio	Lower	Upper	
164	100		
166	126.0	100.8	151.2
129	84.6	68.7	103.1
131	86.8	68.1	102.1





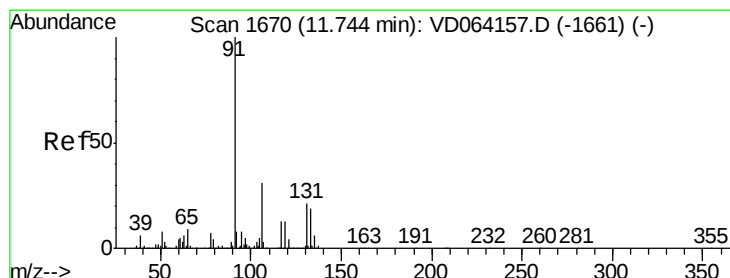
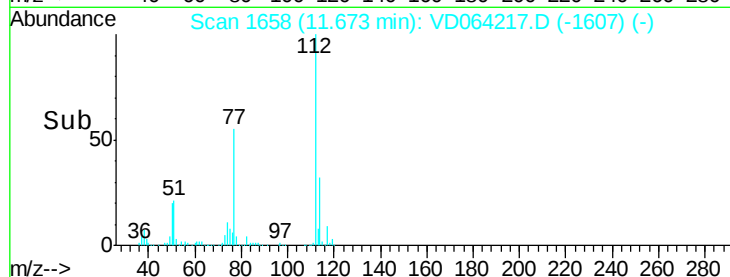
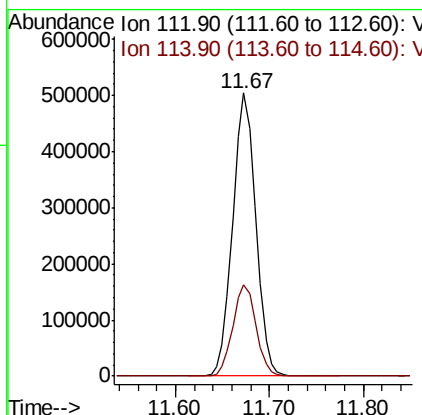
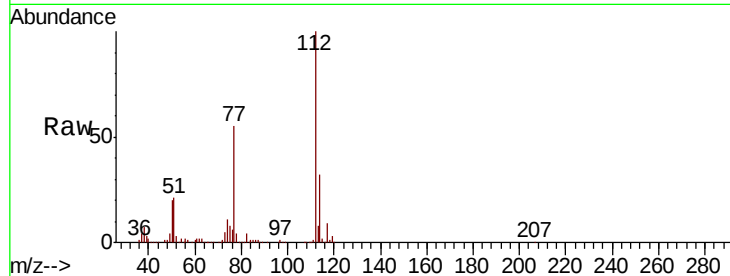
#65
Chlorobenzene
Concen: 51.582 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.2	37.8

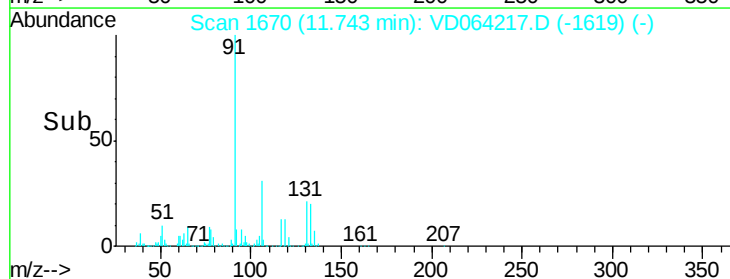
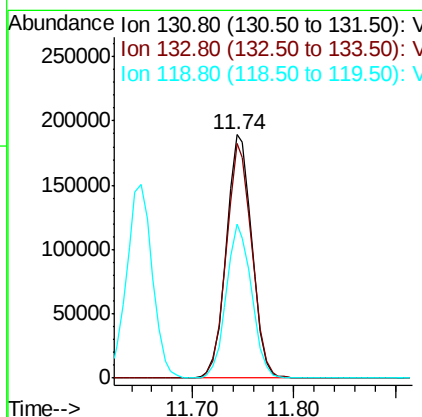
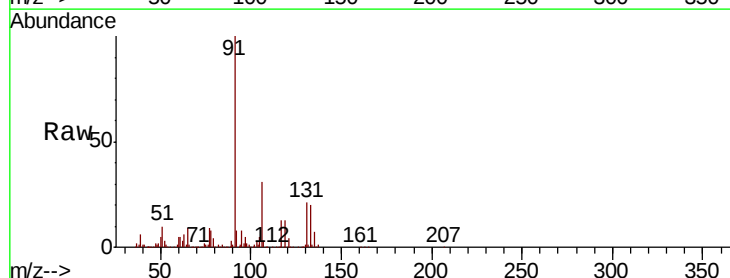
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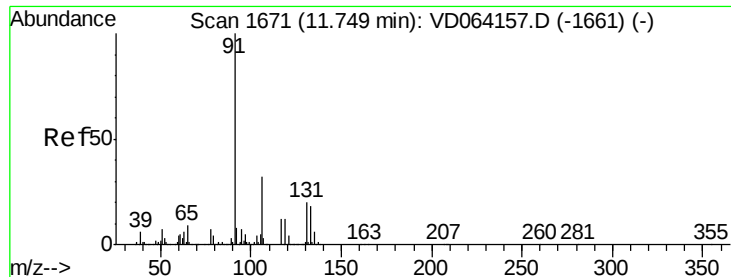
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.950 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	141.9
119	63.0	31.1	93.3





#67

Ethyl Benzene

Concen: 52.189 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1578297

Ion Ratio Lower Upper

91 100

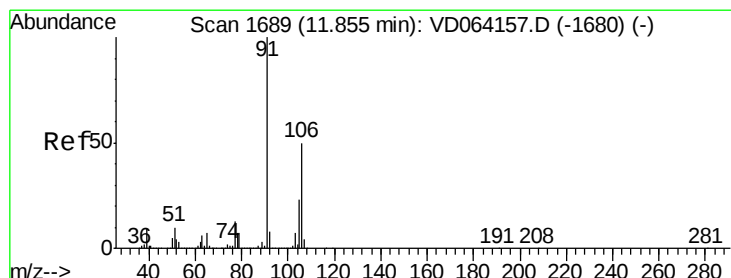
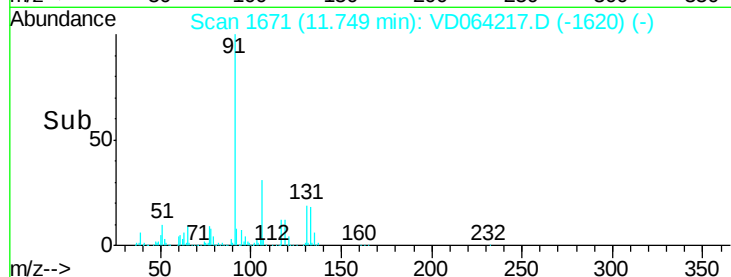
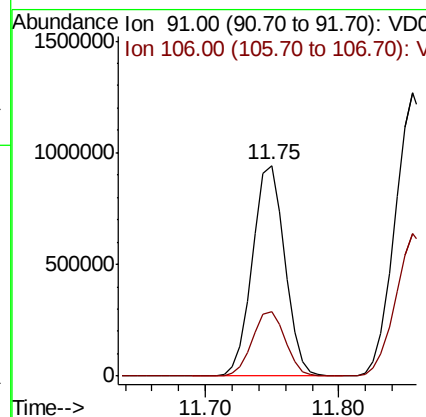
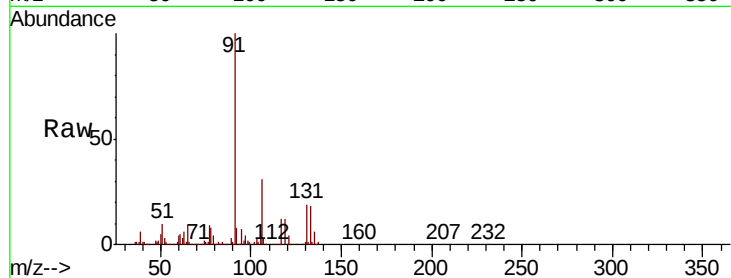
106 30.7 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 104.107 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064217.D

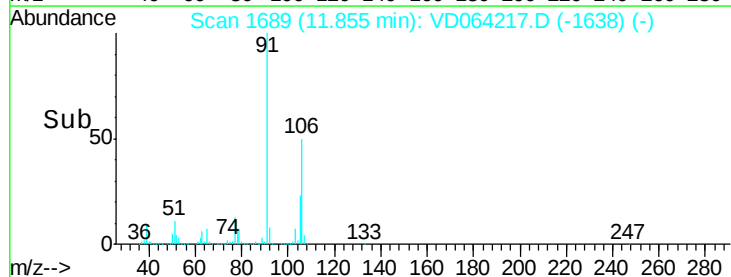
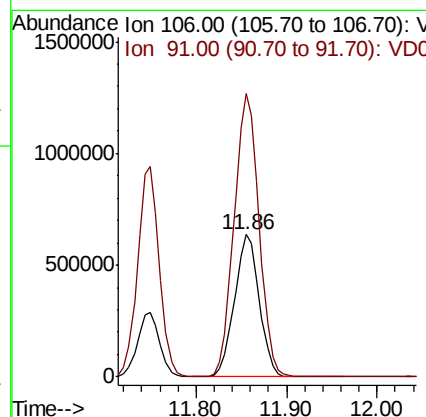
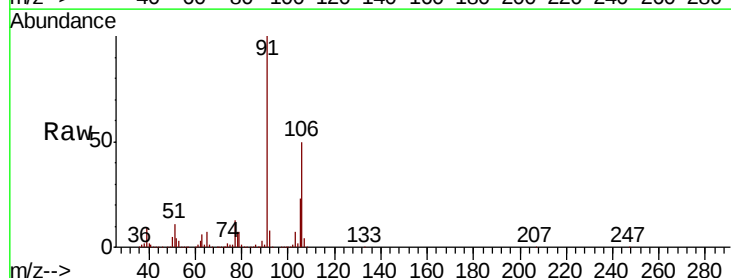
Acq: 15 Nov 2019 10:05

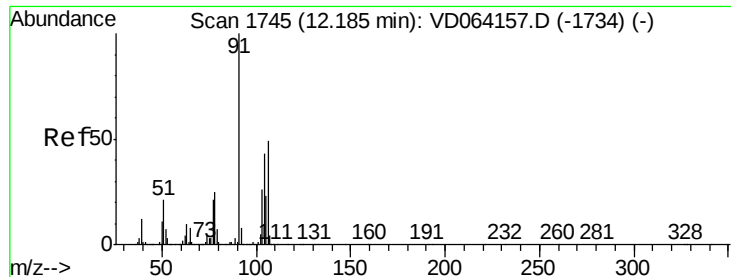
Tgt Ion: 106 Resp: 1206785

Ion Ratio Lower Upper

106 100

91 200.7 160.3 240.5





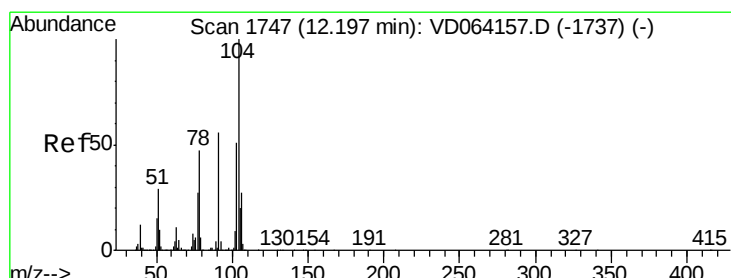
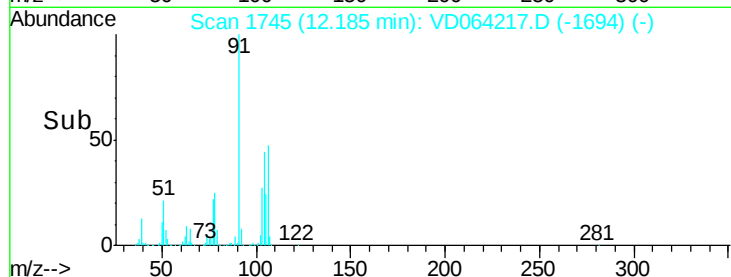
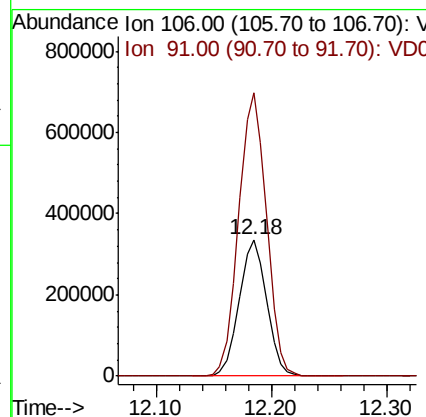
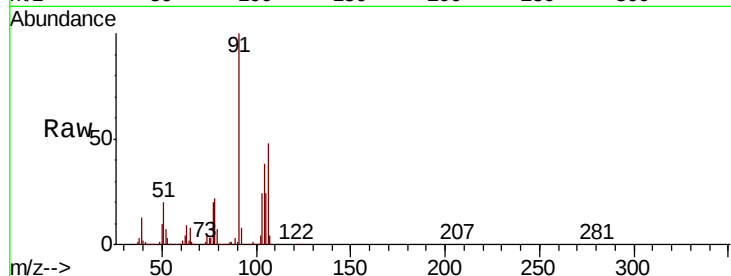
#69
o-Xylene
Concen: 51.579 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.0	105.1	315.3

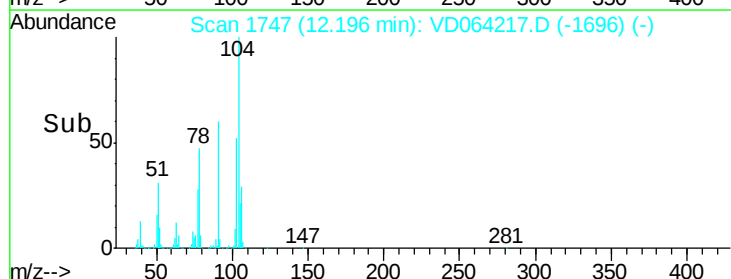
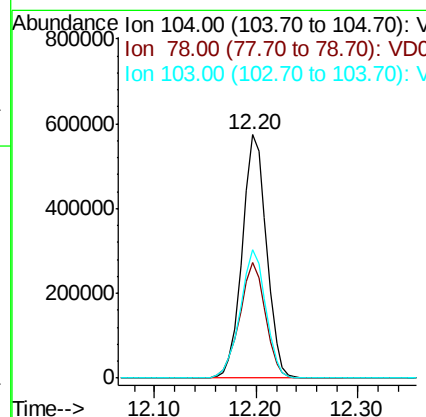
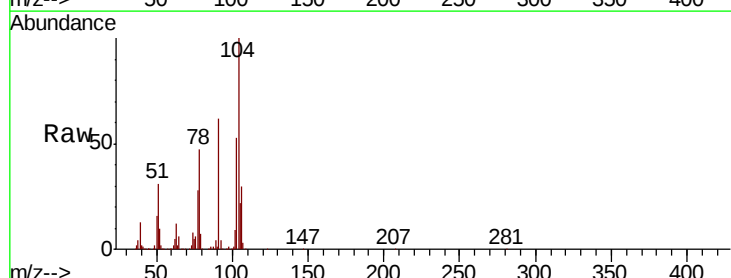
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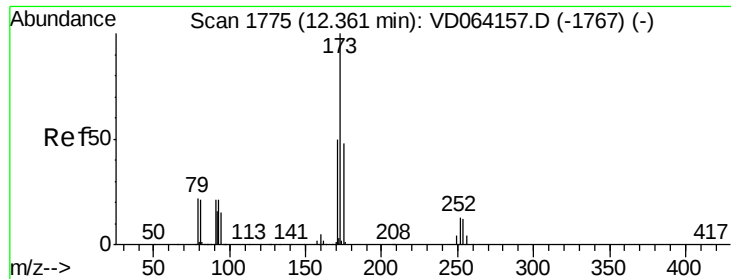
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#70
Styrene
Concen: 50.822 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.6	39.9	59.9
103	55.7	43.4	65.0





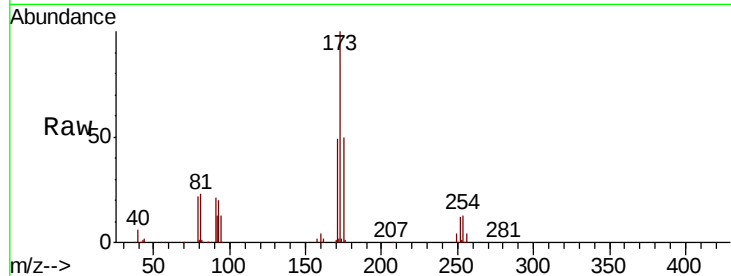
#71
Bromoform
Concen: 52.555 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

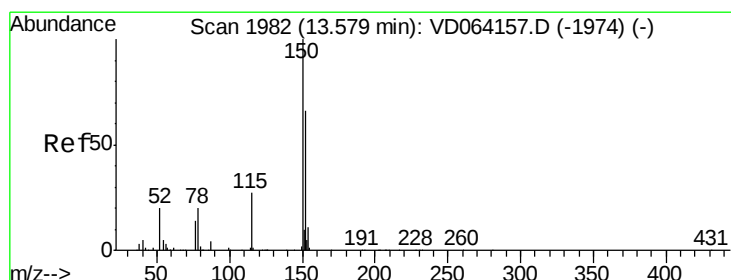
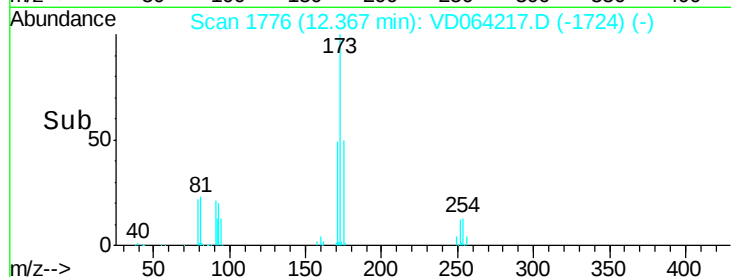
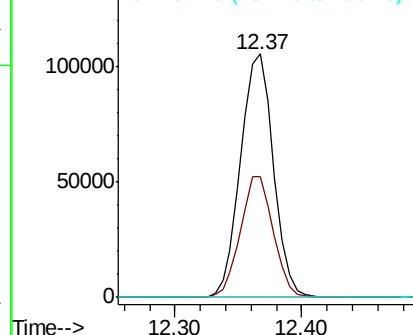
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.1	72.3
254	0.2	0.2	0.2

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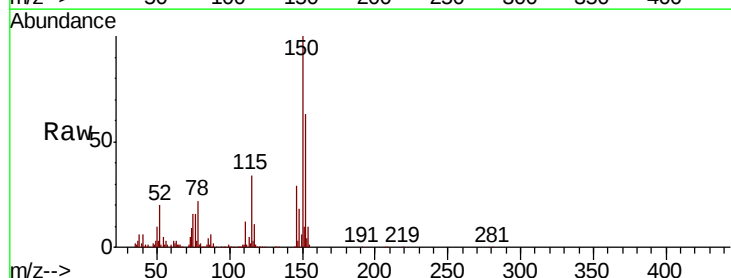


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

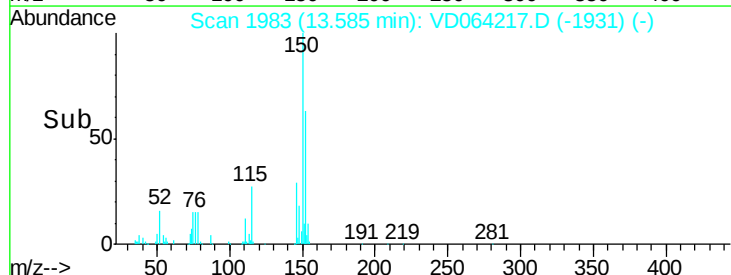
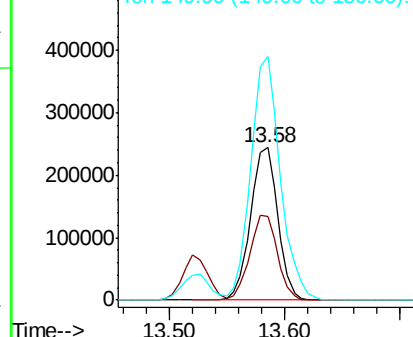


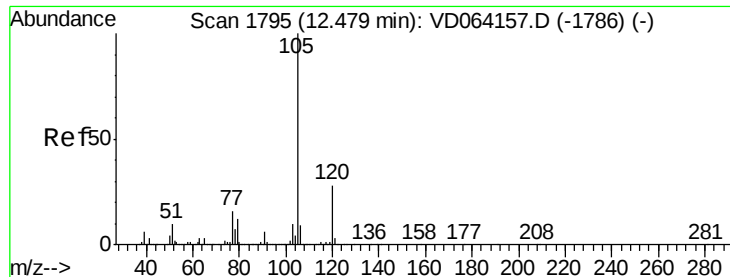
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.4	82.2
150	172.9	0.0	351.6



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





#73

Isopropylbenzene

Concen: 51.556 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1518452

Ion Ratio Lower Upper

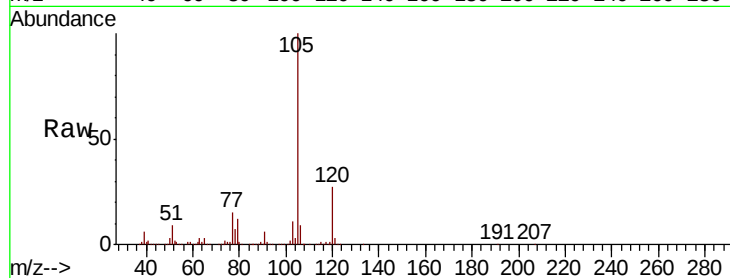
105 100

120 26.7 13.6 40.8

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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

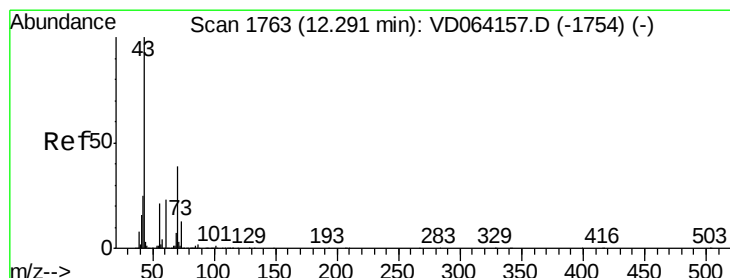
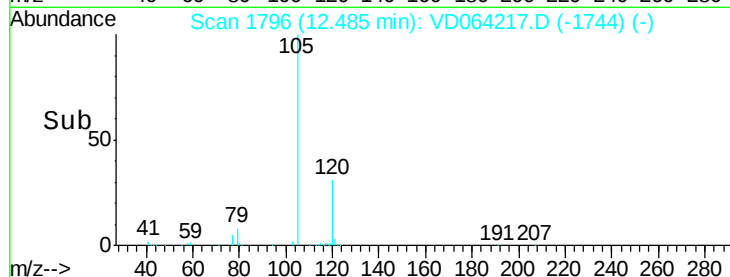
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 50.751 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Tgt Ion: 43 Resp: 352981

Ion Ratio Lower Upper

43 100

70 40.9 32.4 48.6

55 21.8 17.9 26.9

61 23.2 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

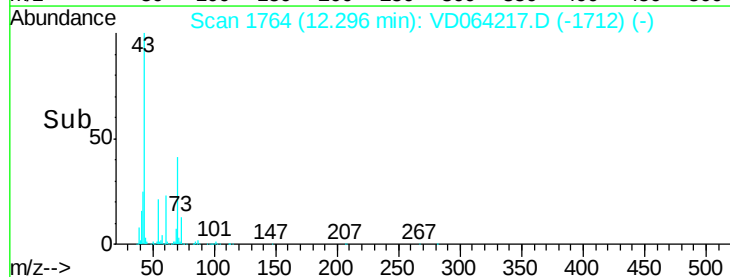
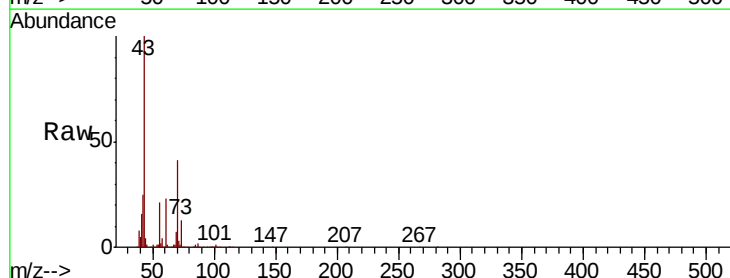
300000

200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.843 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

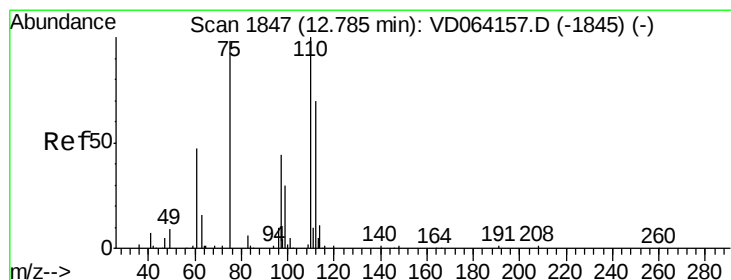
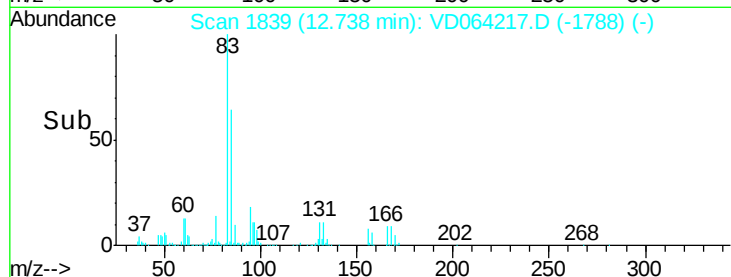
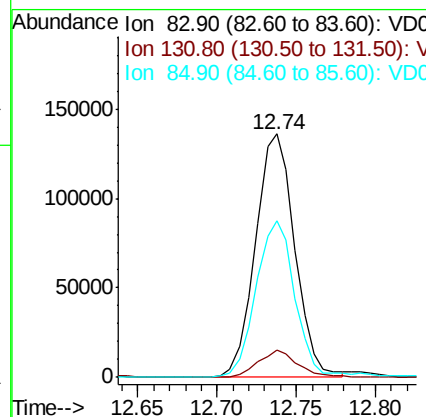
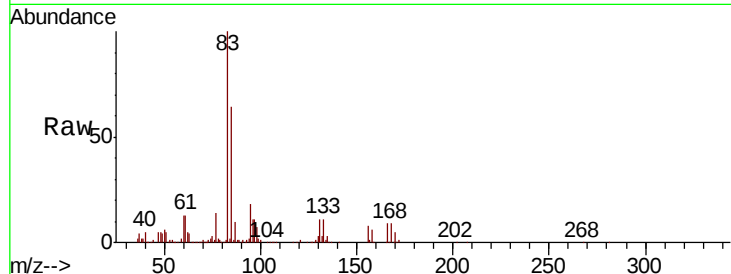
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	234515
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.9	17.7
85	64.8	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 55.951 ug/l m

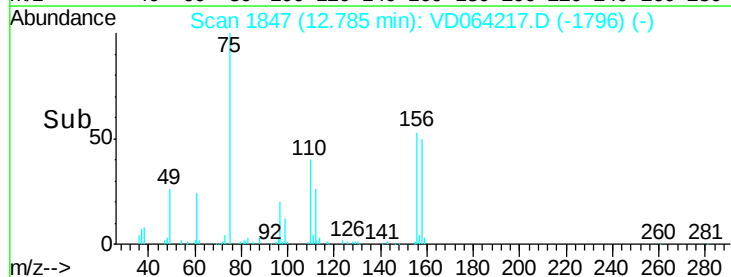
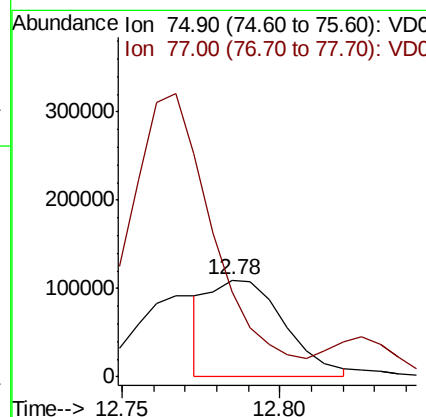
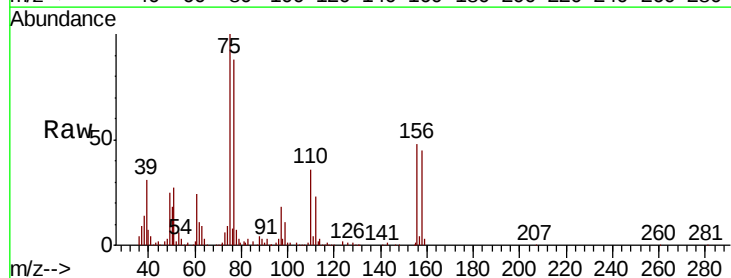
RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Tgt Ion:	75	Resp:	180837
Ion Ratio	Lower	Upper	
75	100		
77	333.8	0.0	0.0#





#77

Bromobenzene

Concen: 51.258 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

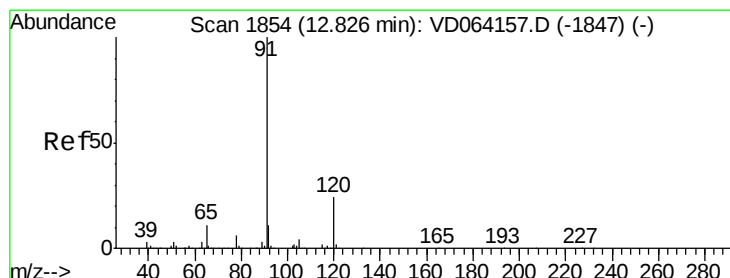
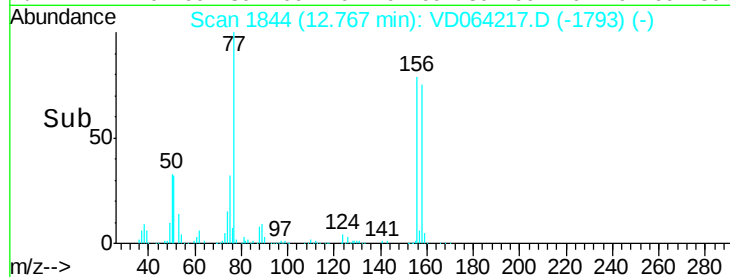
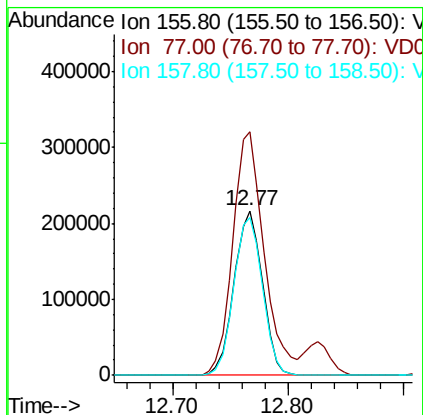
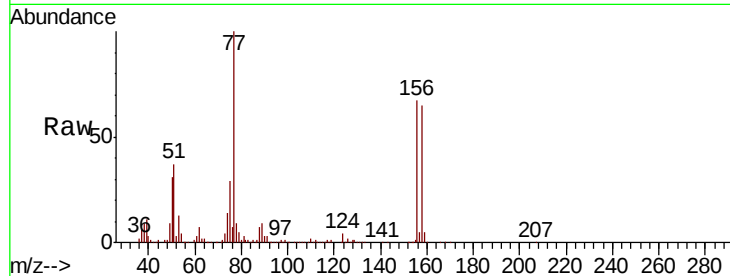
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	366769
Ion	Ratio	Lower	Upper
156	100		
77	164.6	81.2	243.4
158	97.2	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 52.049 ug/l

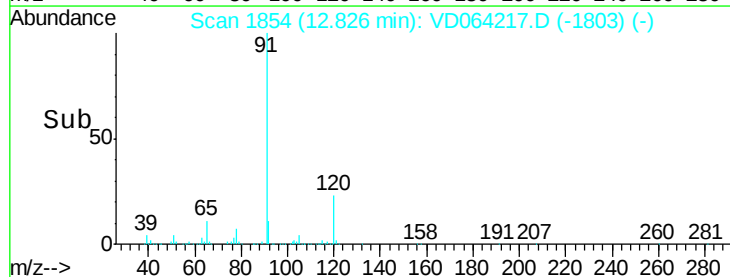
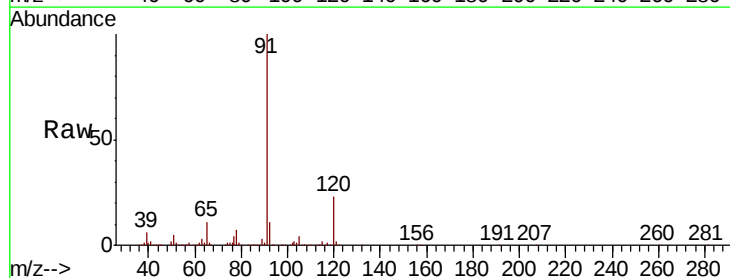
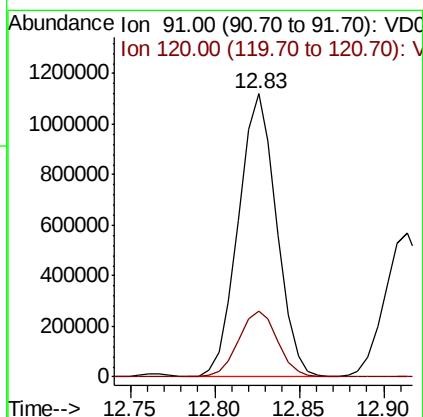
RT: 12.83 min Scan# 1854

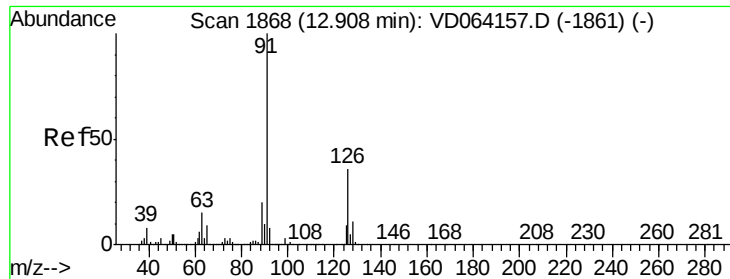
Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Tgt Ion:	91	Resp:	1751439
Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.8	35.4





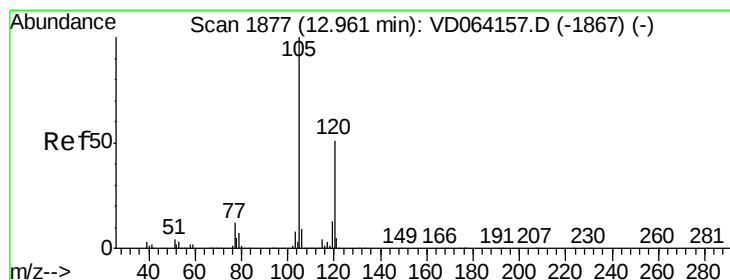
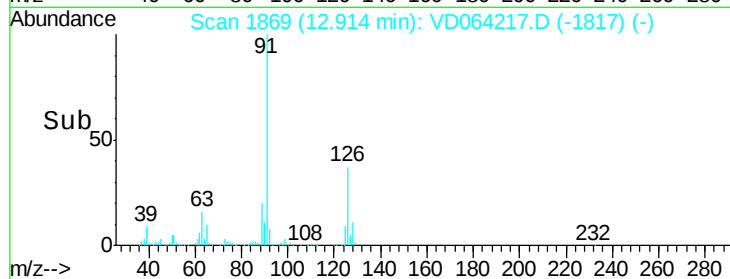
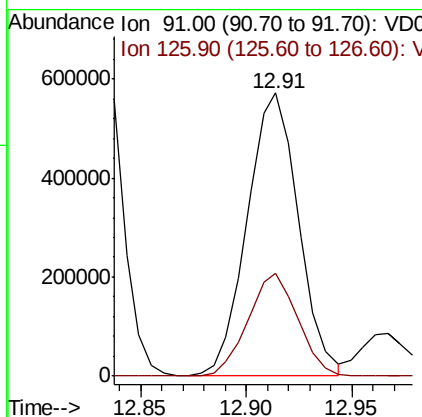
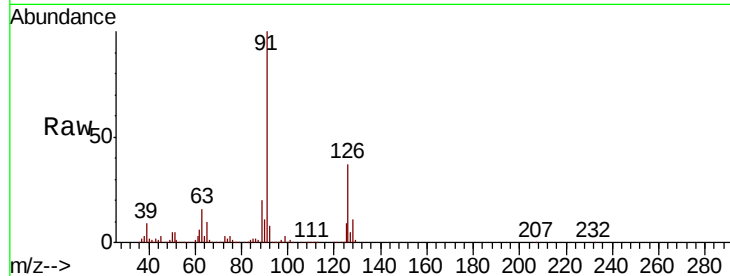
#79
2-Chlorotoluene
Concen: 50.557 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 960493
Ion Ratio Lower Upper
91 100
126 35.6 17.7 53.1

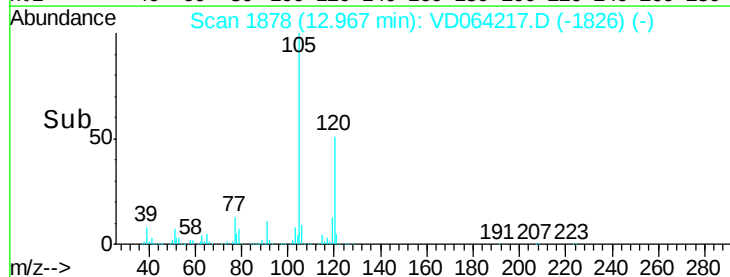
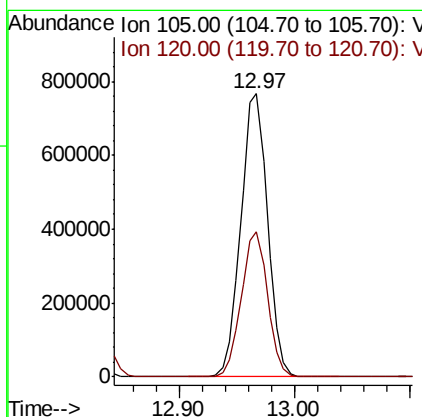
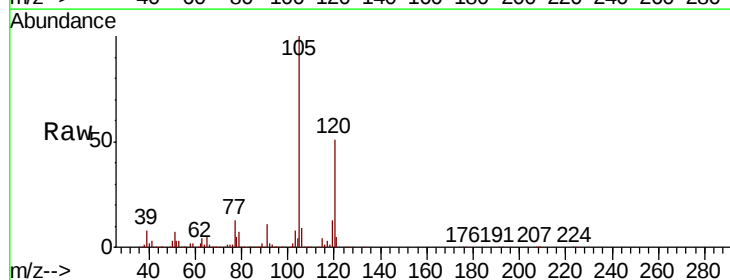
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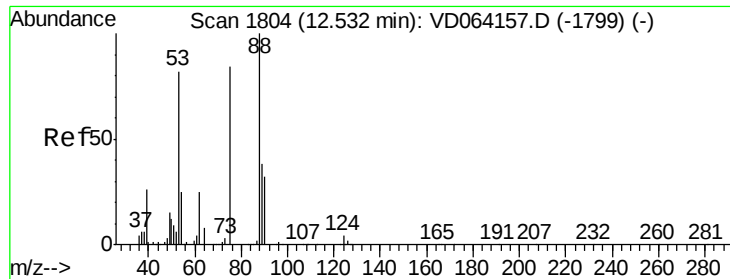
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#80
1,3,5-Trimethylbenzene
Concen: 50.836 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion:105 Resp: 1230305
Ion Ratio Lower Upper
105 100
120 50.6 25.4 76.4





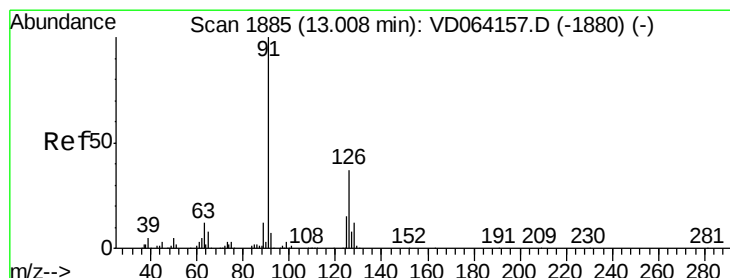
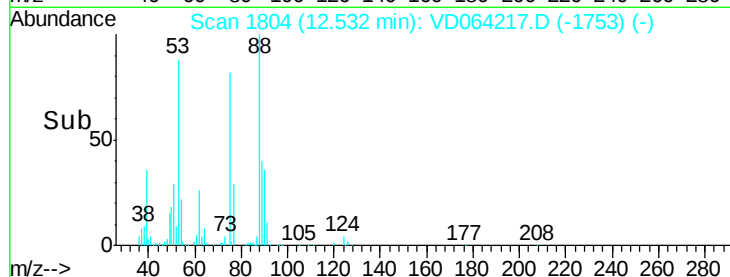
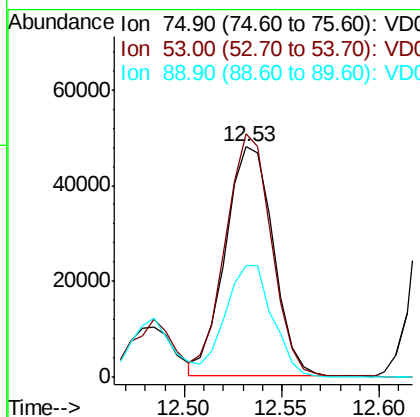
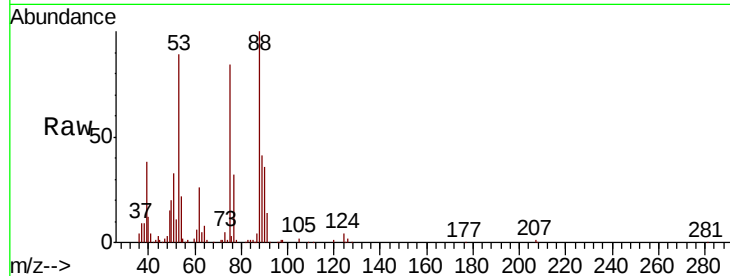
#81
trans-1,4-Dichloro-2-butene
Concen: 50.130 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.3	79.4	119.0
89	48.0	36.6	55.0

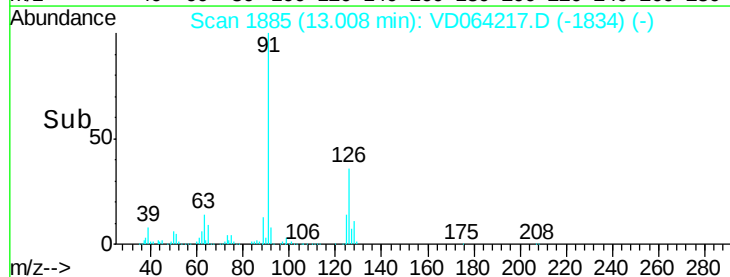
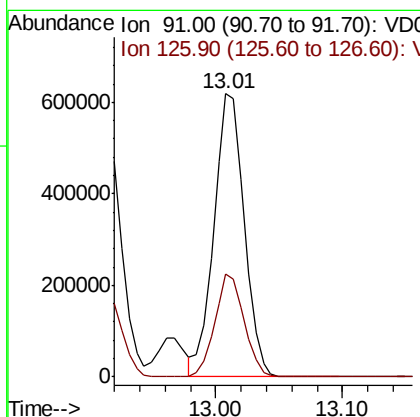
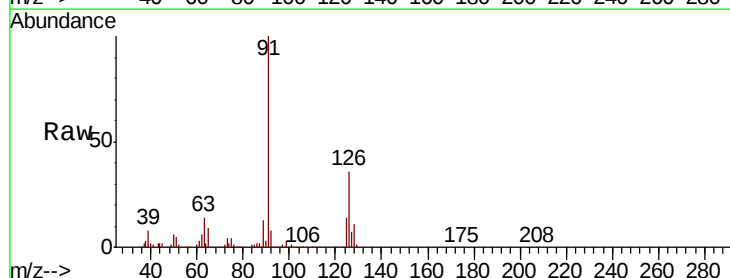
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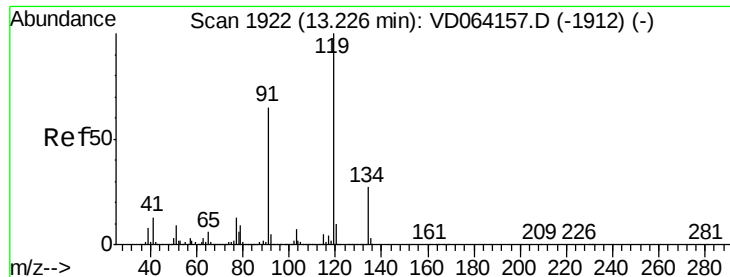
MMDADODA
11/19/2019 12:23:01 PM



#82
4-Chlorotoluene
Concen: 51.908 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.4





#83

tert-Butylbenzene

Concen: 51.474 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1098458

Ion Ratio Lower Upper

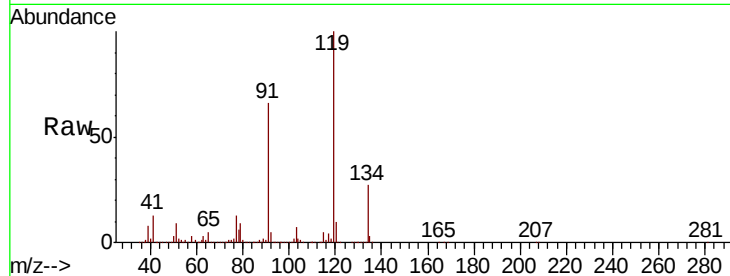
119 100

91 63.3 31.8 95.4

134 27.7 13.7 41.0

Manual Integrations
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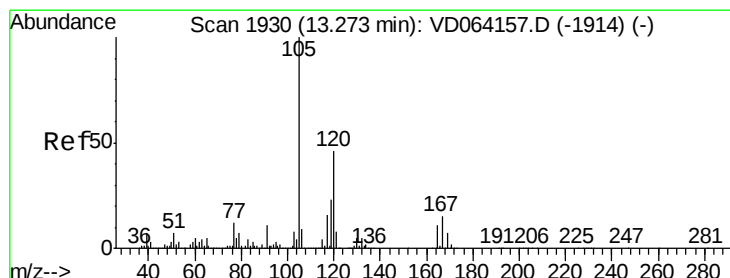
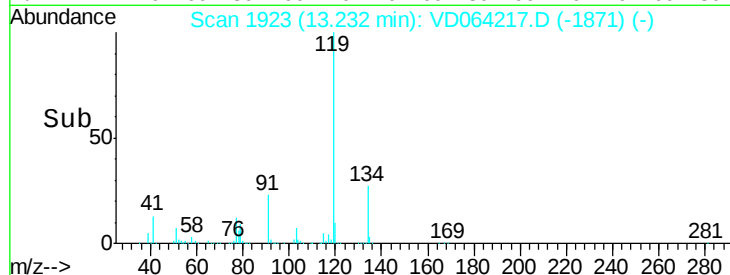
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

13.23

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 51.225 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD064217.D

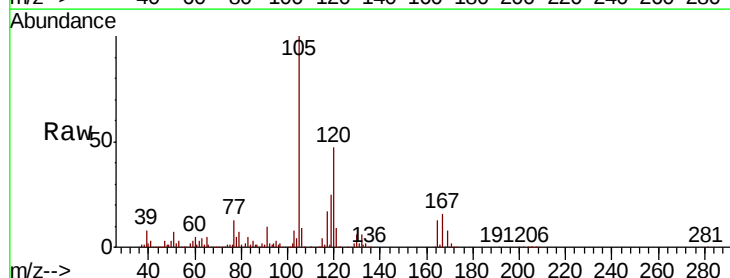
Acq: 15 Nov 2019 10:05

Tgt Ion:105 Resp: 1223917

Ion Ratio Lower Upper

105 100

120 46.7 23.3 69.8

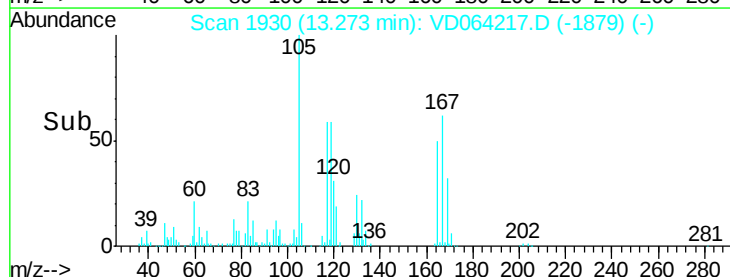


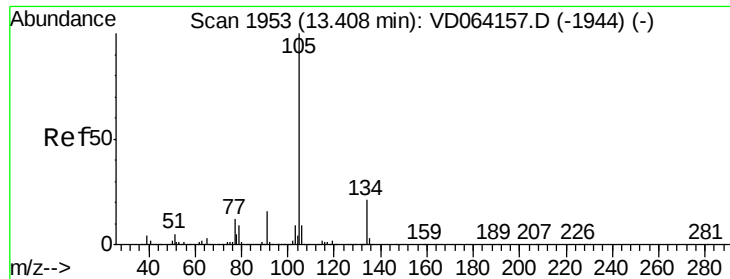
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.27

Time-->





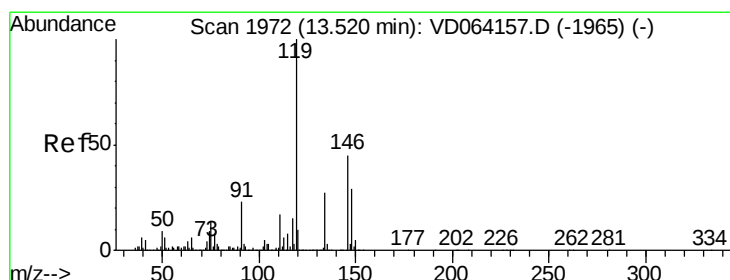
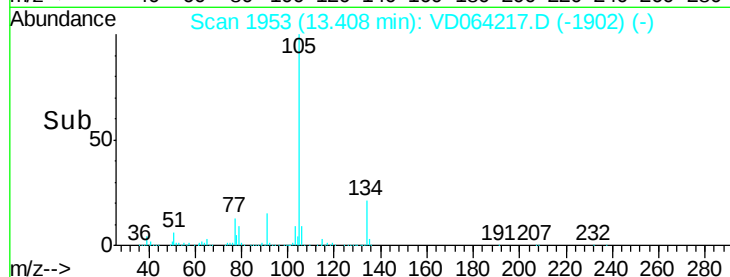
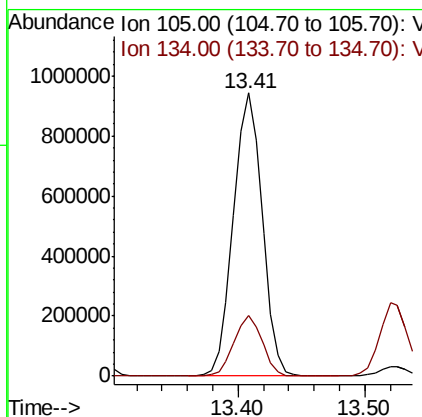
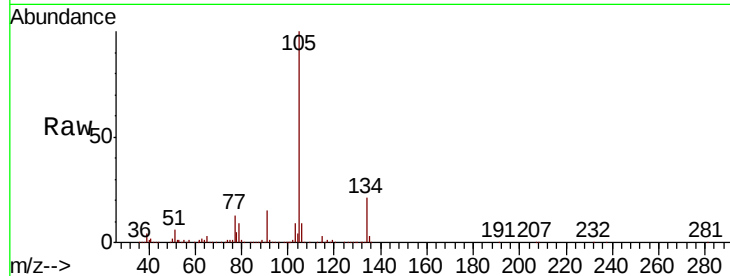
#85
 sec-Butylbenzene
 Concen: 51.738 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1482912
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.7 31.9

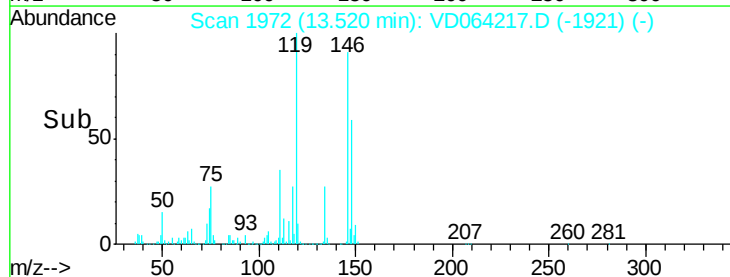
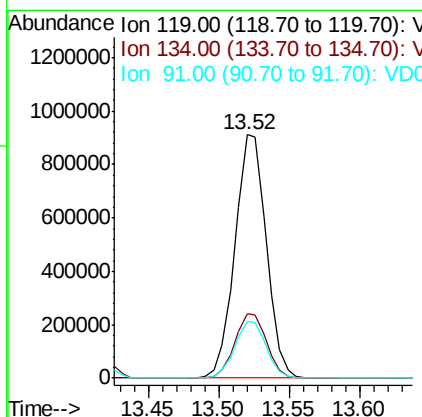
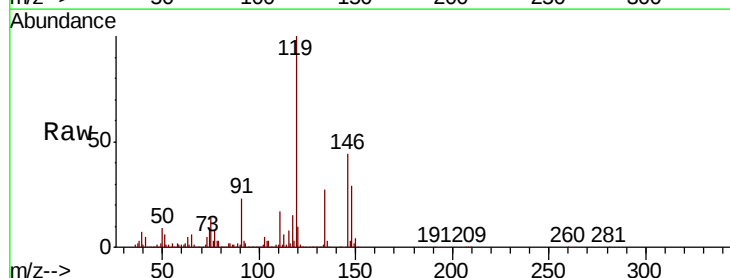
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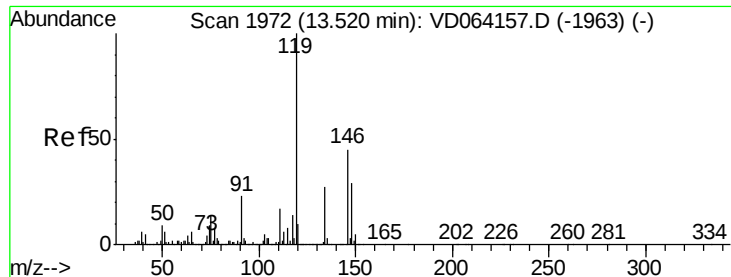
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#86
 p-Isopropyltoluene
 Concen: 51.784 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion:119 Resp: 1411032
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.5
 91 23.2 11.5 34.4





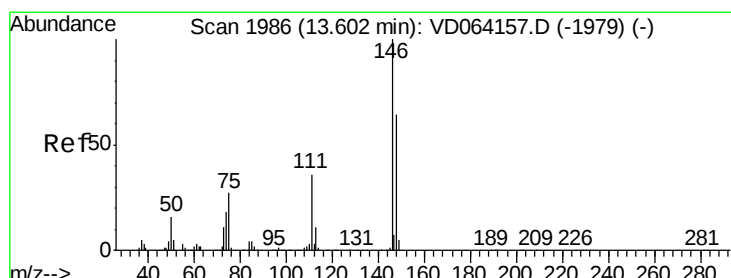
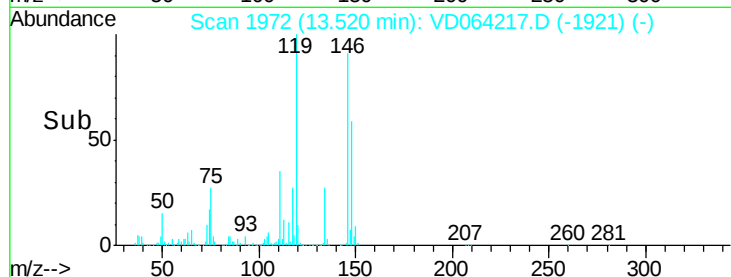
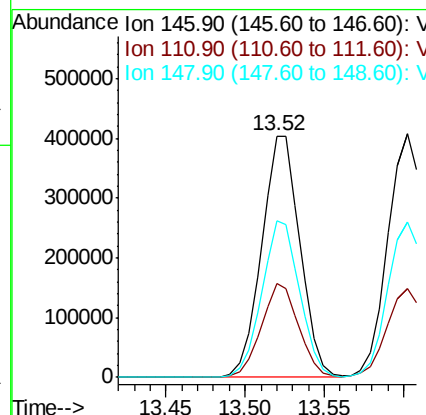
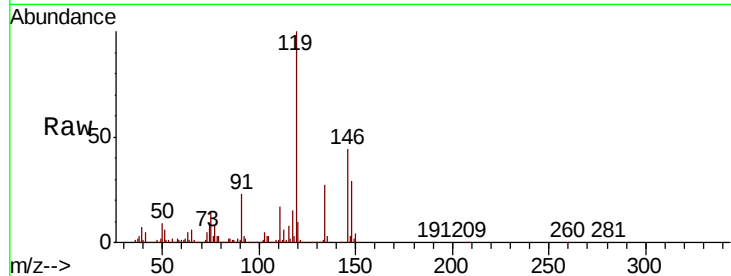
#87
 1,3-Dichlorobenzene
 Concen: 51.263 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.9
148	63.7	32.1	96.5

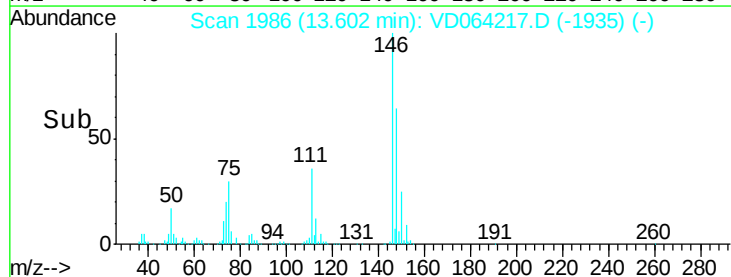
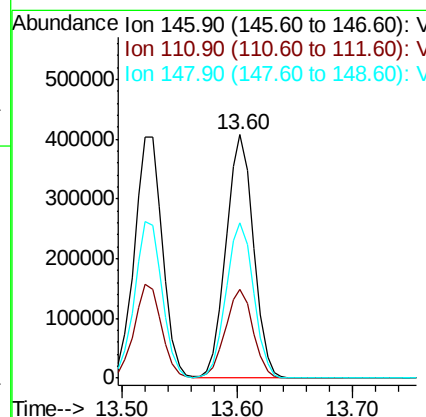
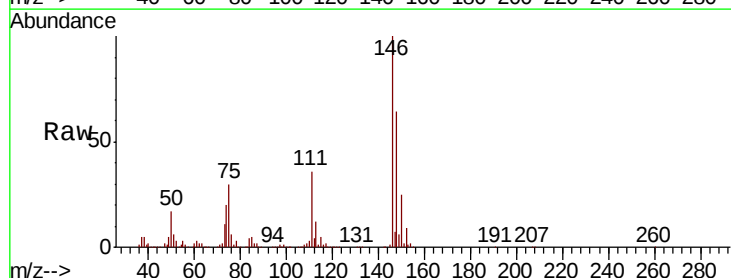
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 51.600 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.4
148	64.3	31.9	95.7





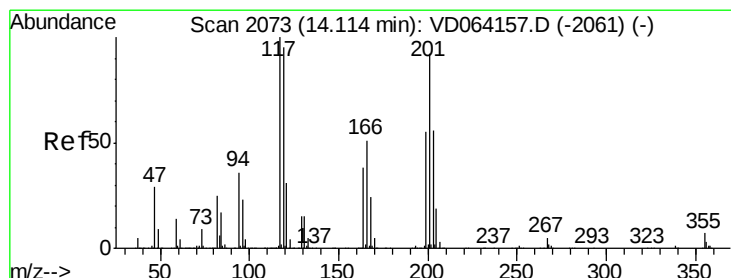
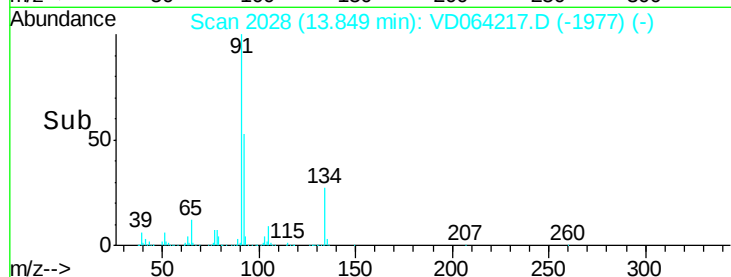
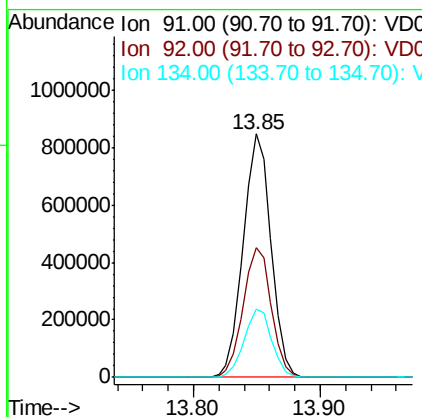
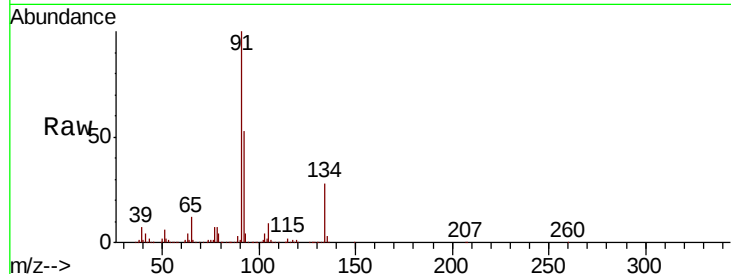
#89
n-Butylbenzene
Concen: 52.327 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.3	81.8
134	28.0	14.1	42.4

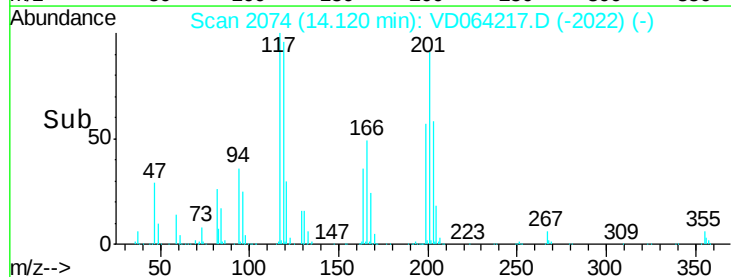
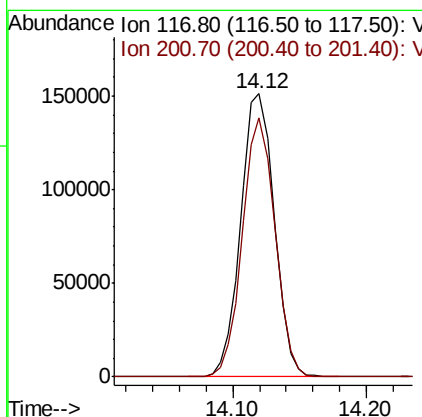
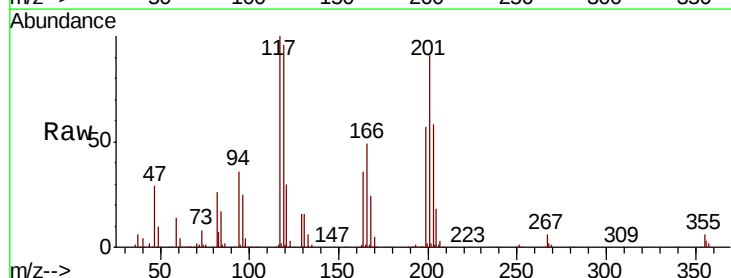
Manual Integrations
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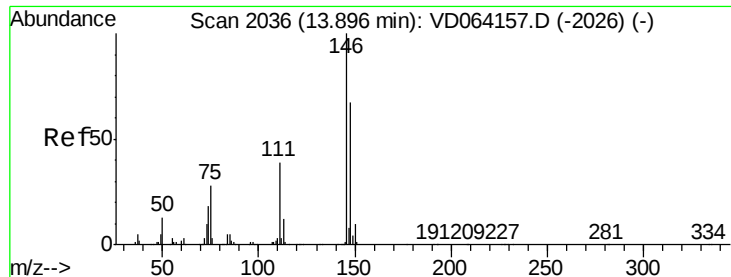
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#90
Hexachloroethane
Concen: 52.284 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	45.8	137.4





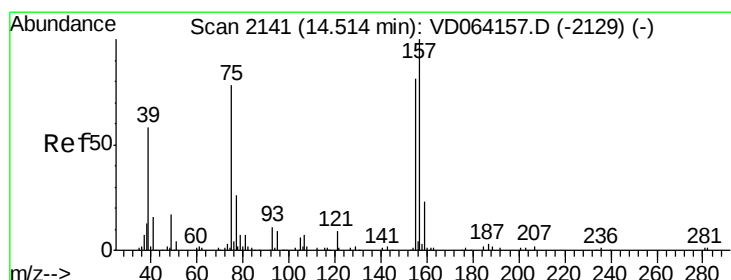
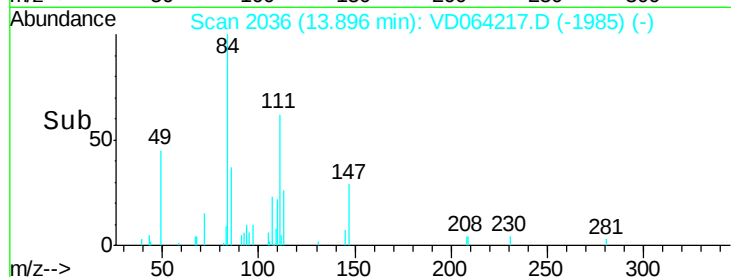
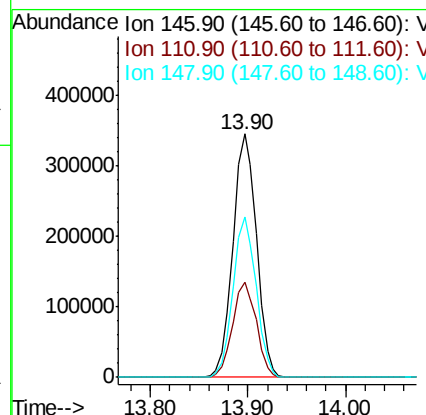
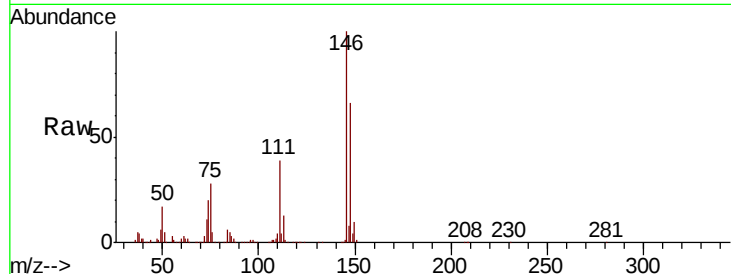
#91
1,2-Dichlorobenzene
Concen: 51.453 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.7	32.3	96.8

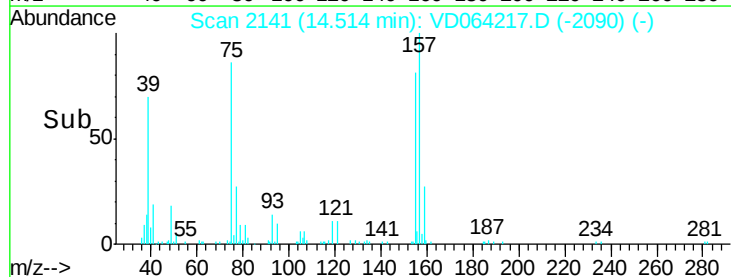
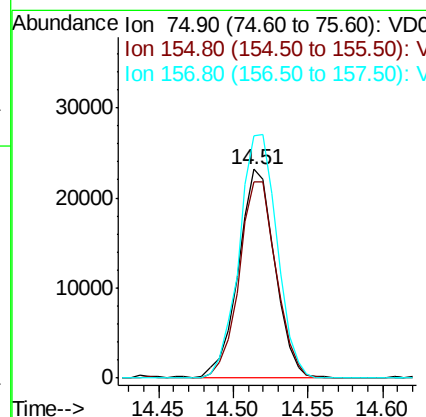
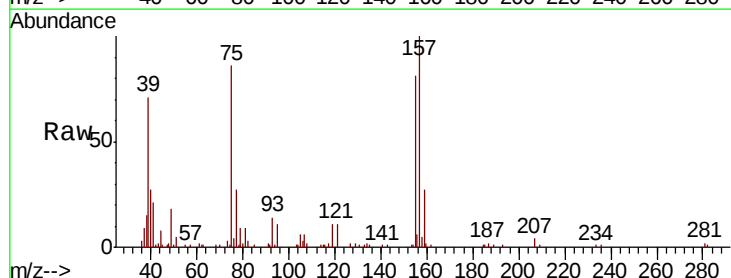
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#92
1,2-Dibromo-3-Chloropropane
Concen: 49.547 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	48.0	144.0
157	120.6	61.5	184.4





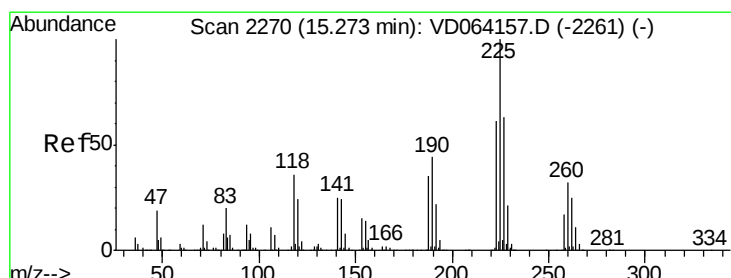
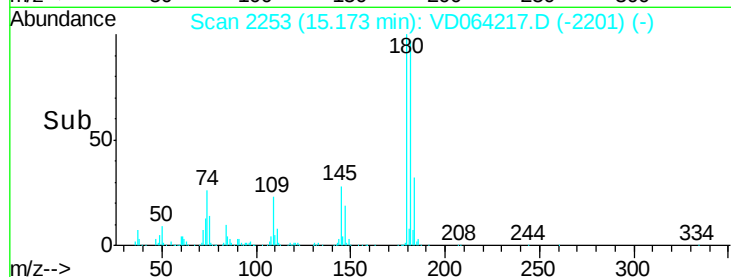
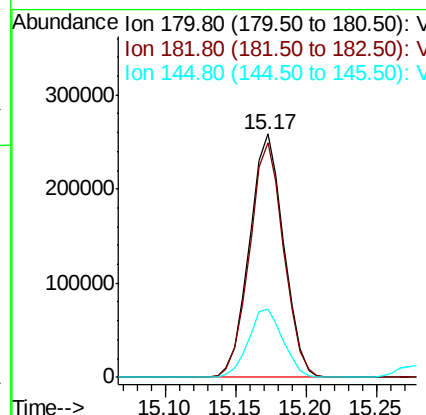
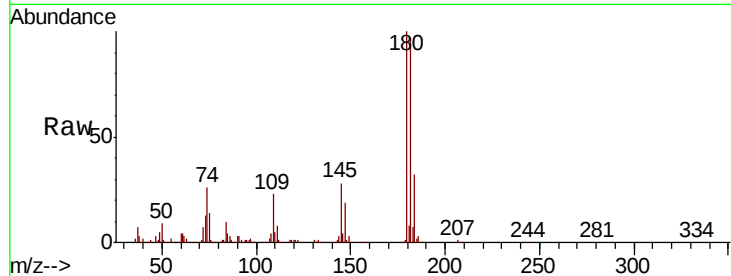
#93
 1,2,4-Trichlorobenzene
 Concen: 50.756 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.5
145	28.5	14.2	42.6

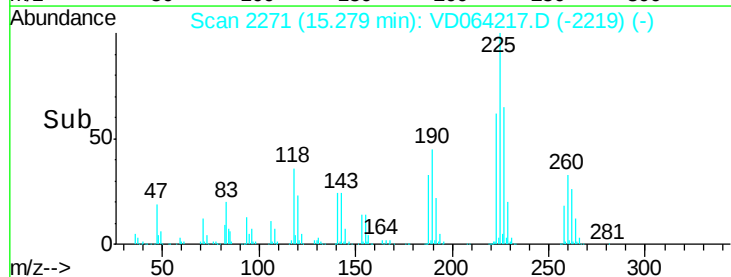
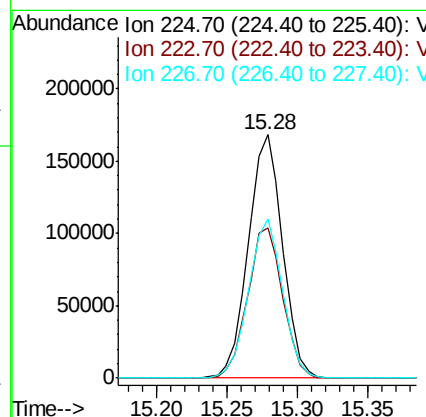
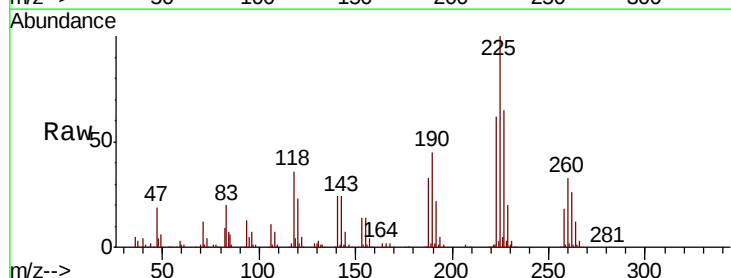
Manual Integrations
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 11/19/2019 12:23:01 PM



#94
 Hexachlorobutadiene
 Concen: 51.071 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.1	93.3
227	64.6	31.5	94.5





#95

Naphthalene

Concen: 51.312 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

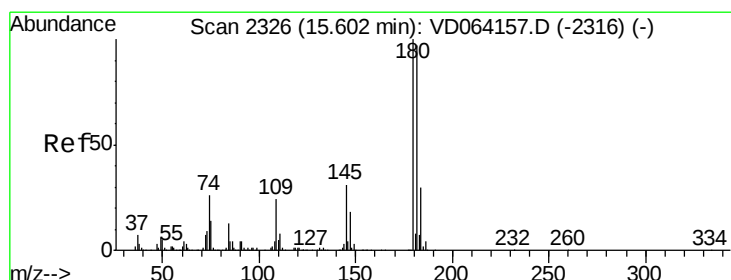
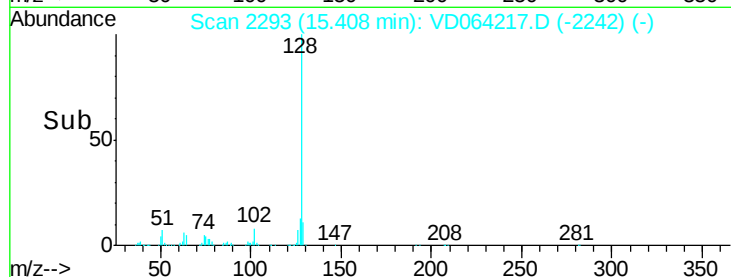
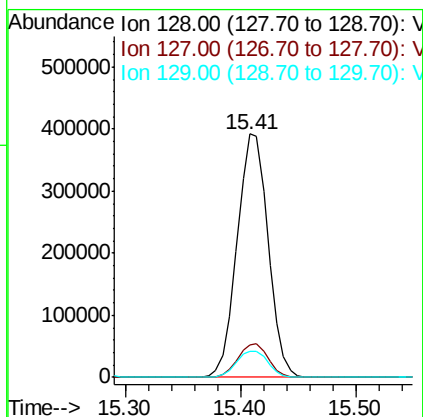
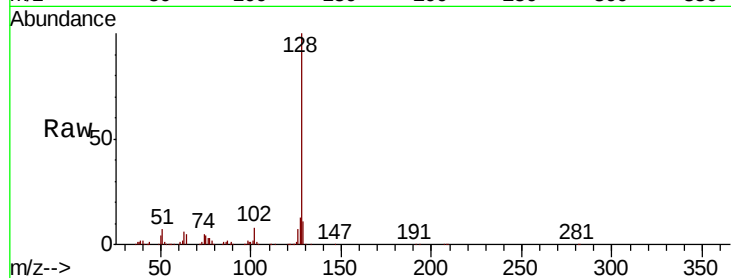
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	729462
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:23:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.512 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Tgt Ion:	180	Resp:	372364
Ion Ratio	Lower	Upper	
180	100		
182	97.6	48.3	144.9
145	29.9	15.3	45.8

