

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103019\
 Data File : VD064108.D
 Acq On : 30 Oct 2019 11:45
 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
 10/31/2019 3:39:11 PM

Quant Time: Oct 31 04:11:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	244349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	340930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193537	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	99923	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.92	113	117653	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
50) Toluene-d8	10.34	98	471960	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
62) 4-Bromofluorobenzene	12.64	95	156623	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	130971	52.491	ug/l	94
3) Chloromethane	2.21	50	197746	47.501	ug/l	98
4) Vinyl Chloride	2.35	62	227124	50.310	ug/l	99
5) Bromomethane	2.77	94	150760	51.242	ug/l	95
6) Chloroethane	2.93	64	144106	51.393	ug/l	89
7) Trichlorofluoromethane	3.27	101	318167	51.196	ug/l	97
8) Diethyl Ether	3.70	74	51971	48.111	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	116335	51.944	ug/l	98
10) Methyl Iodide	4.30	142	143876	51.852	ug/l	99
11) Tert butyl alcohol	5.24	59	28765	257.063	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	107662	50.793	ug/l	85
13) Acrolein	3.93	56	29727	239.908	ug/l	89
14) Allyl chloride	4.72	41	129009	52.002	ug/l	98
15) Acrylonitrile	5.43	53	93575	234.510	ug/l	98
16) Acetone	4.17	43	110201	298.038	ug/l	99
17) Carbon Disulfide	4.40	76	330664	50.765	ug/l	98
18) Methyl Acetate	4.73	43	46962	47.748	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	214233	49.809	ug/l	100
20) Methylene Chloride	4.96	84	119265	50.537	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	121008	50.857	ug/l	94
22) Diisopropyl ether	6.37	45	277524	50.511	ug/l	99
23) Vinyl Acetate	6.31	43	777256	258.080	ug/l	97
24) 1,1-Dichloroethane	6.27	63	183187	49.374	ug/l	99
25) 2-Butanone	7.22	43	127472	249.372	ug/l	98
26) 2,2-Dichloropropane	7.21	77	175793	49.921	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	133625	50.189	ug/l	99
28) Bromochloromethane	7.55	49	70579	48.856	ug/l	94
29) Tetrahydrofuran	7.57	42	72782	243.965	ug/l	95
30) Chloroform	7.71	83	206769	48.703	ug/l	91
31) Cyclohexane	7.98	56	177415	49.083	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	203187	51.414	ug/l	98
36) 1,1-Dichloropropene	8.11	75	170156	52.178	ug/l	98
37) Ethyl Acetate	7.30	43	53855	53.653	ug/l #	94
38) Carbon Tetrachloride	8.10	117	184013	51.717	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	221567	55.348	ug/l	97
40) Benzene	8.35	78	466345	52.441	ug/l	98
41) Methacrylonitrile	7.53	41	29891	51.602	ug/l	93
42) 1,2-Dichloroethane	8.43	62	120204	51.171	ug/l	99
43) Isopropyl Acetate	8.46	43	102681	50.618	ug/l	99
44) Trichloroethene	9.11	130	145459	53.967	ug/l	94
45) 1,2-Dichloropropane	9.39	63	108464	52.629	ug/l	98
46) Dibromomethane	9.48	93	62048	49.989	ug/l	99
47) Bromodichloromethane	9.67	83	165606	52.887	ug/l	97
48) Methyl methacrylate	9.46	41	52776	56.259	ug/l	93
49) 1,4-Dioxane	9.47	88	16702	1175.545	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	279032	252.667	ug/l	97
52) Toluene	10.41	92	333450	53.505	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	155509	53.202	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	179904	52.314	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	93052	52.877	ug/l	96
56) Ethyl methacrylate	10.67	69	106299	49.716	ug/l	97
57) 1,3-Dichloropropane	10.95	76	147493	50.678	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	210773	273.385	ug/l	100
59) 2-Hexanone	10.99	43	213106	246.308	ug/l	98
60) Dibromochloromethane	11.14	129	123867	51.859	ug/l	98
61) 1,2-Dibromoethane	11.25	107	89524	50.864	ug/l	96
64) Tetrachloroethene	10.88	164	134556	54.937	ug/l	94
65) Chlorobenzene	11.67	112	376498	53.446	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	138222	52.439	ug/l	99
67) Ethyl Benzene	11.75	91	684420	54.624	ug/l	100
68) m/p-Xylenes	11.86	106	551957	109.521	ug/l	99
69) o-Xylene	12.18	106	255378	55.524	ug/l	99
70) Styrene	12.20	104	431722	54.424	ug/l	98
71) Bromoform	12.36	173	74900	53.206	ug/l #	100
73) Isopropylbenzene	12.48	105	710193	52.807	ug/l	99
74) N-amyl acetate	12.29	43	113854	50.958	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	100116	47.228	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	57143m	43.941	ug/l	
77) Bromobenzene	12.77	156	166558	51.294	ug/l	98
78) n-propylbenzene	12.83	91	848232	53.820	ug/l	99
79) 2-Chlorotoluene	12.91	91	438584	51.913	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	603706	53.636	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	32231	50.616	ug/l	95
82) 4-Chlorotoluene	13.01	91	477017	52.841	ug/l	99
83) tert-Butylbenzene	13.23	119	549093	54.314	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	622553	55.059	ug/l	98
85) sec-Butylbenzene	13.41	105	770841	55.523	ug/l	99
86) p-Isopropyltoluene	13.52	119	730369	55.991	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	346993	53.324	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	337943	52.683	ug/l	99
89) n-Butylbenzene	13.85	91	672888	55.927	ug/l	97
90) Hexachloroethane	14.11	117	129356	52.967	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	292754	52.276	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16207	52.349	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	213045	52.924	ug/l	100
94) Hexachlorobutadiene	15.27	225	126960	53.963	ug/l	96
95) Naphthalene	15.41	128	350271	53.353	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	185244	53.127	ug/l	96

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

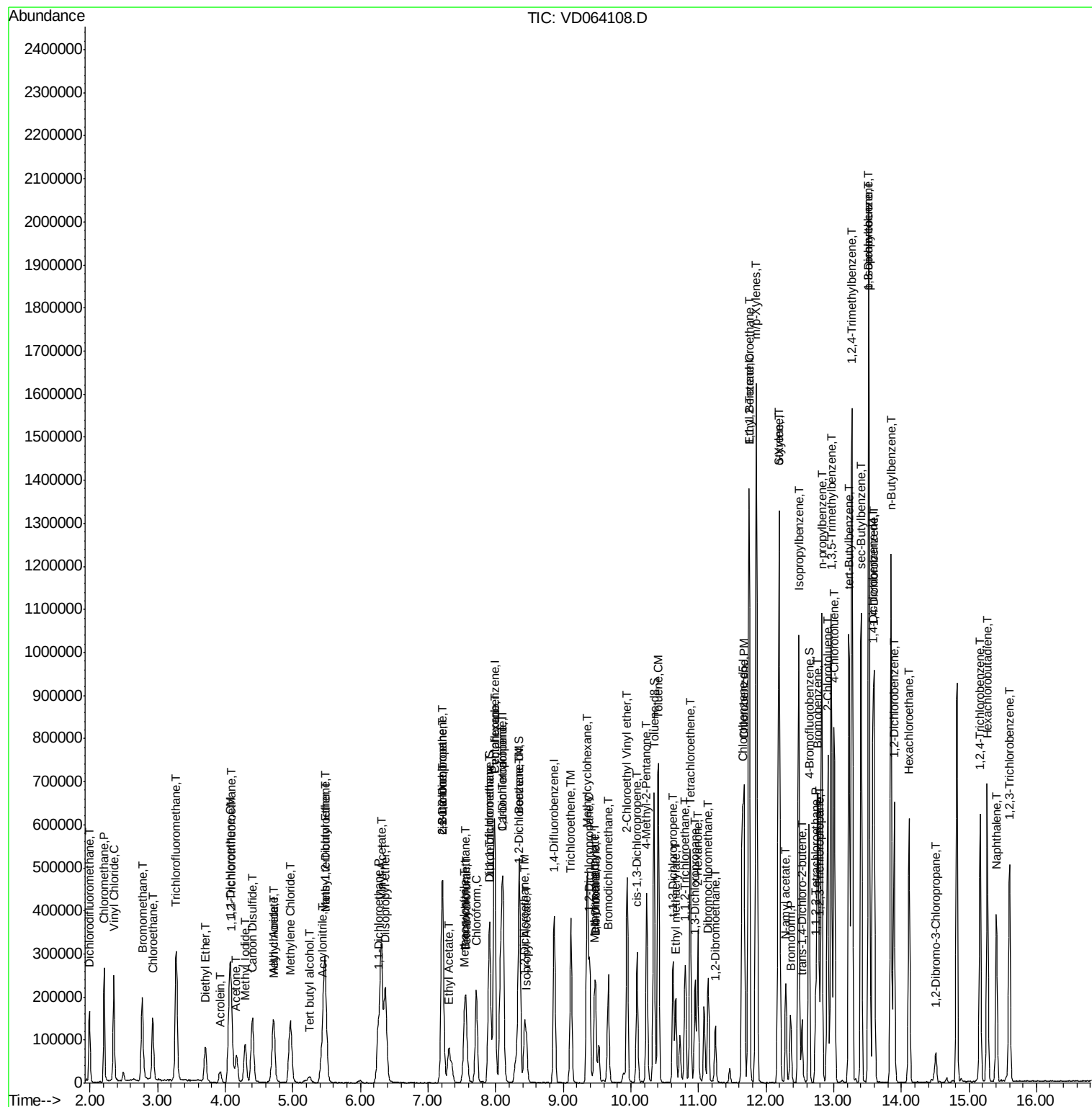
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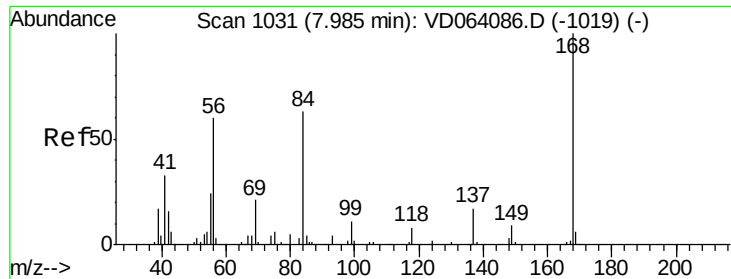
Instrument :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 244349

Ion Ratio Lower Upper

168 100

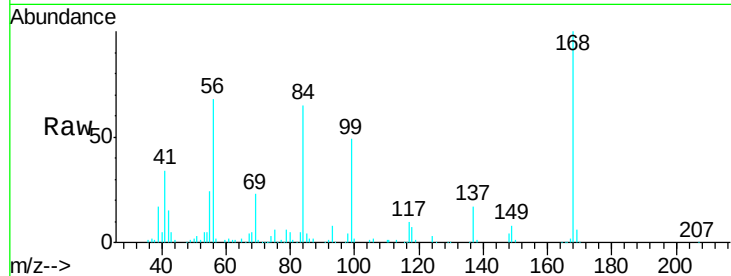
99 48.5 37.6 56.4

Manual Integrations

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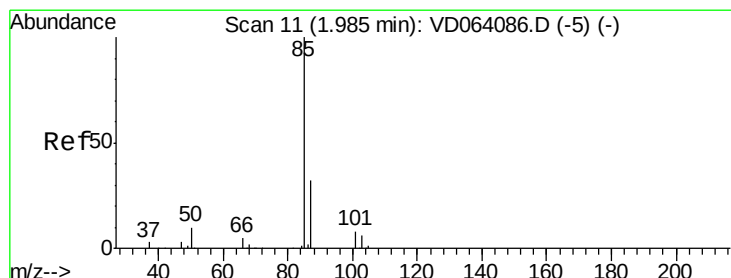
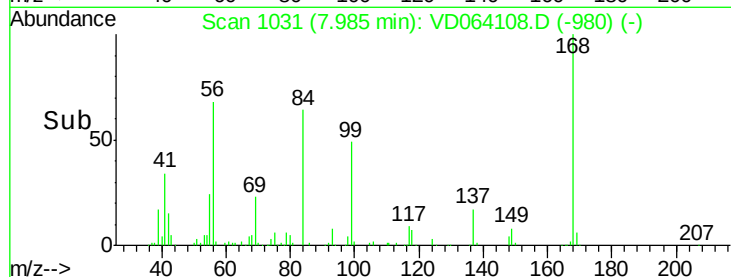
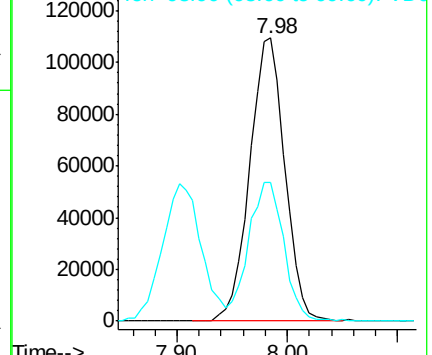
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 52.491 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064108.D

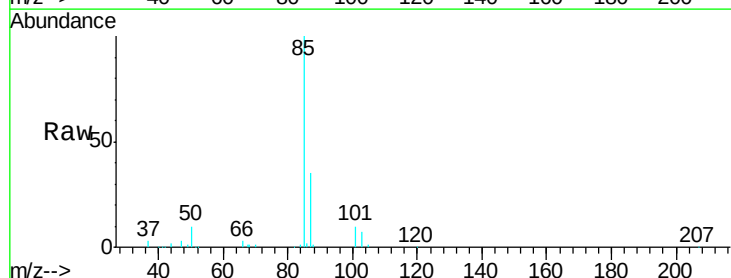
Acq: 30 Oct 2019 11:45

Tgt Ion: 85 Resp: 130971

Ion Ratio Lower Upper

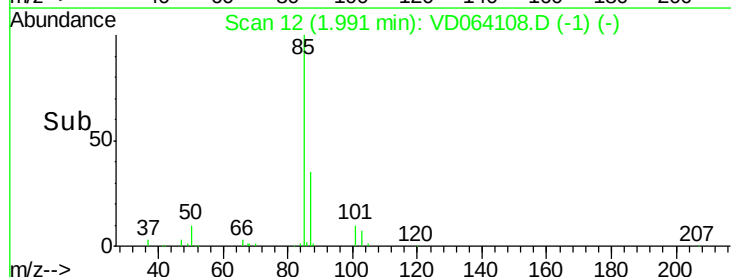
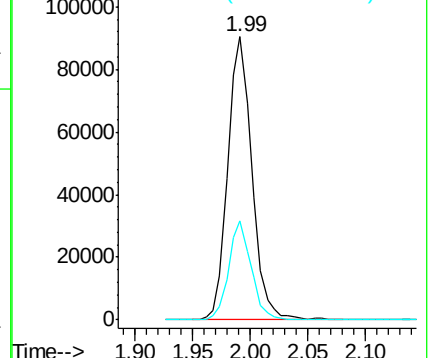
85 100

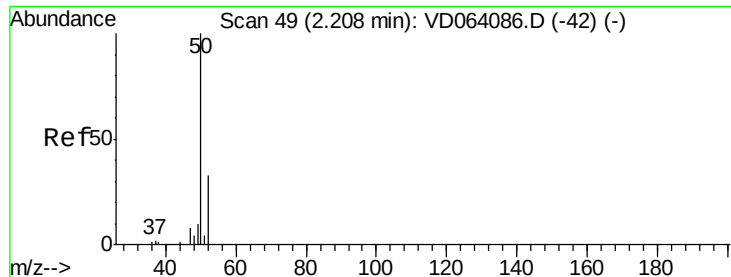
87 35.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.501 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 197746

Ion Ratio Lower Upper

50 100

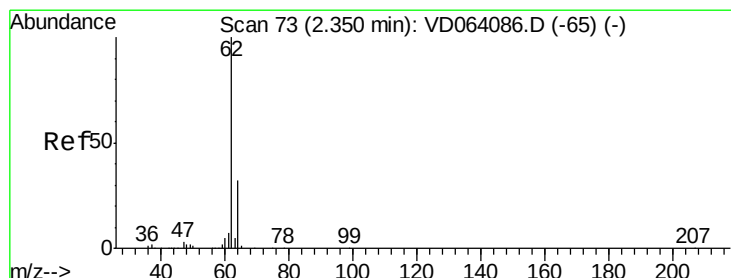
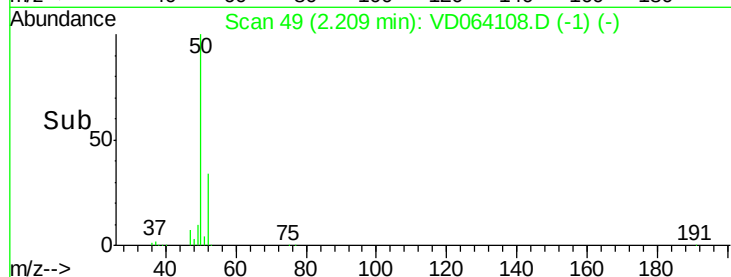
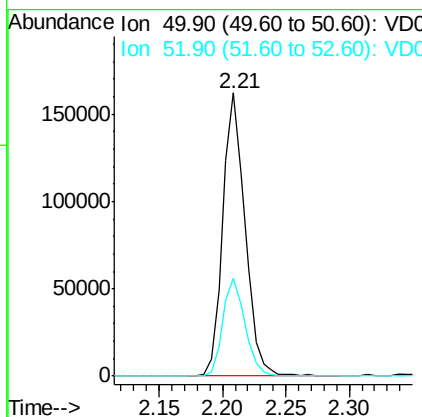
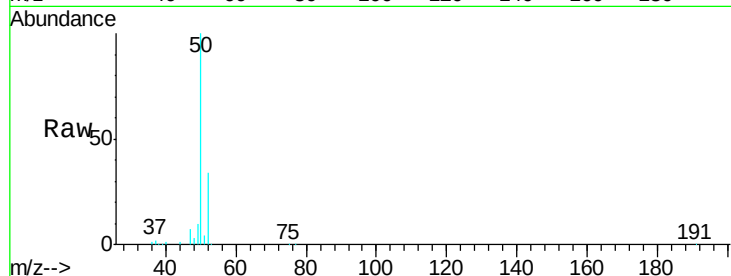
52 34.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.310 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064108.D

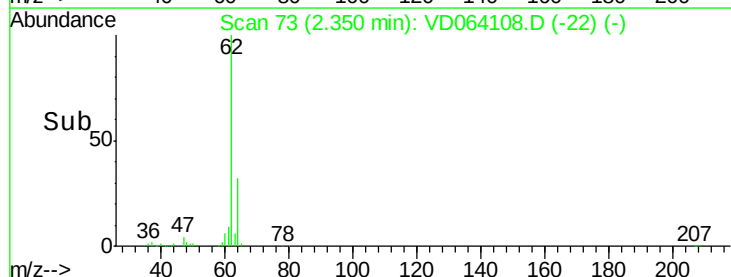
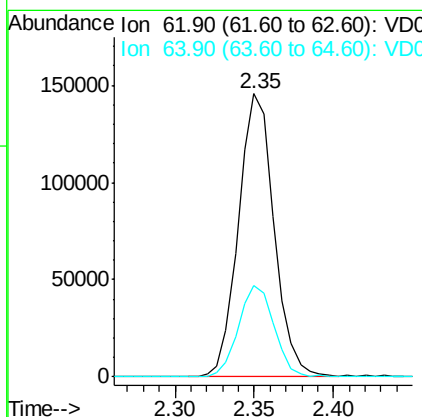
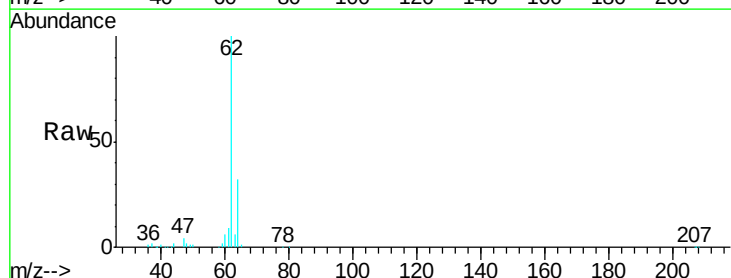
Acq: 30 Oct 2019 11:45

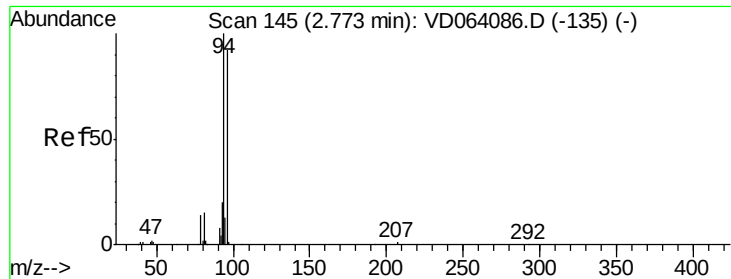
Tgt Ion: 62 Resp: 227124

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 51.242 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 150760

Ion Ratio Lower Upper

94 100

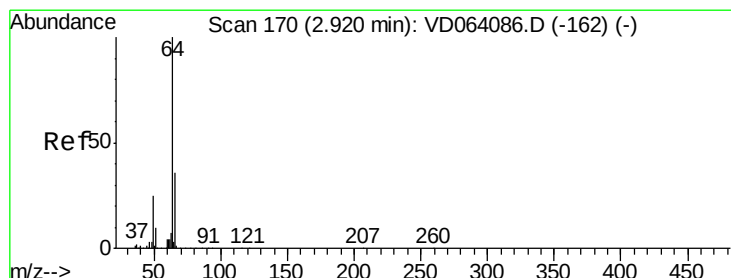
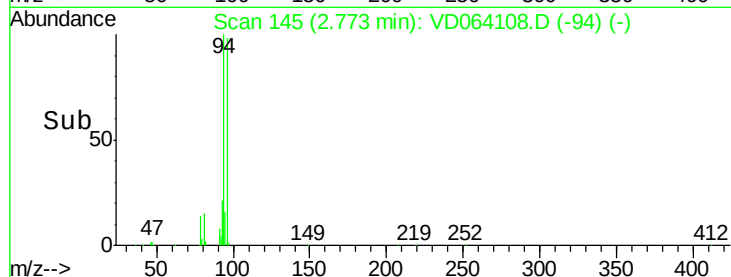
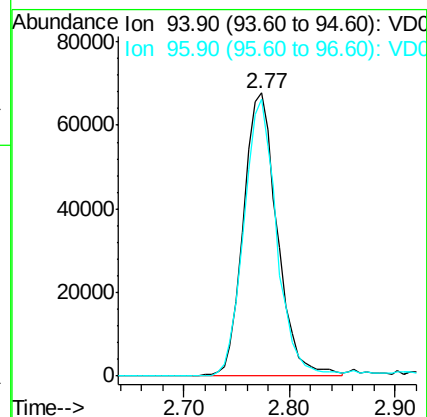
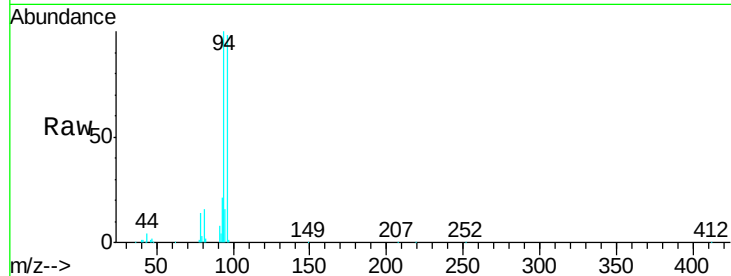
96 97.6 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 51.393 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064108.D

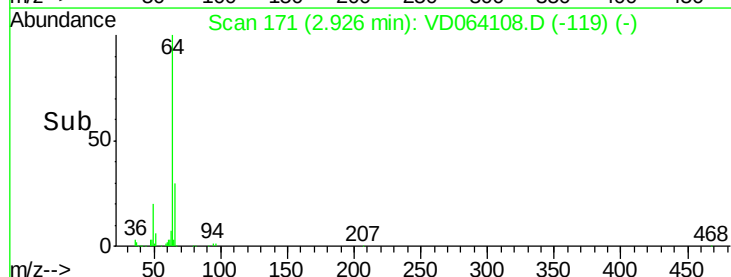
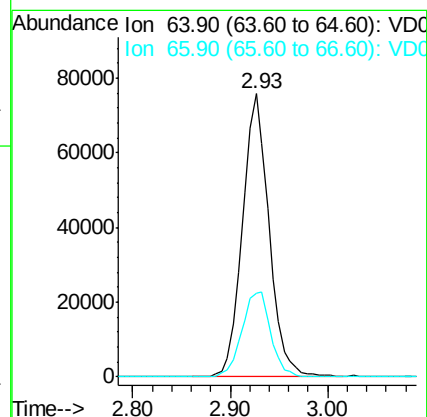
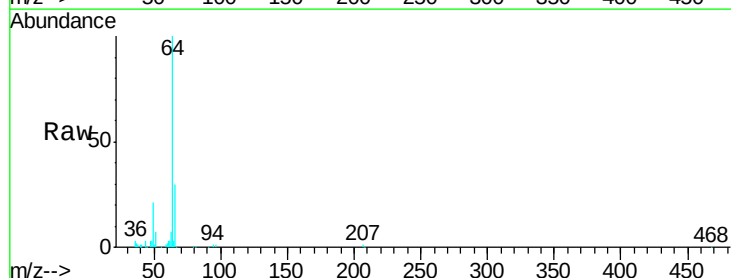
Acq: 30 Oct 2019 11:45

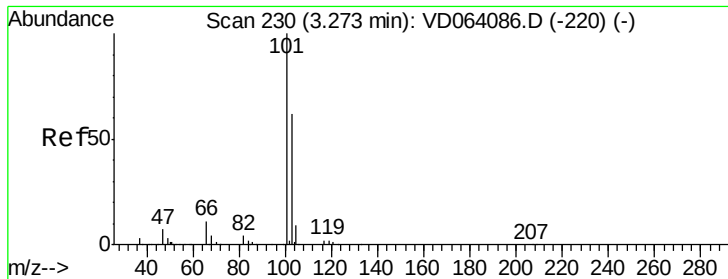
Tgt Ion: 64 Resp: 144106

Ion Ratio Lower Upper

64 100

66 29.6 28.7 43.1





#7

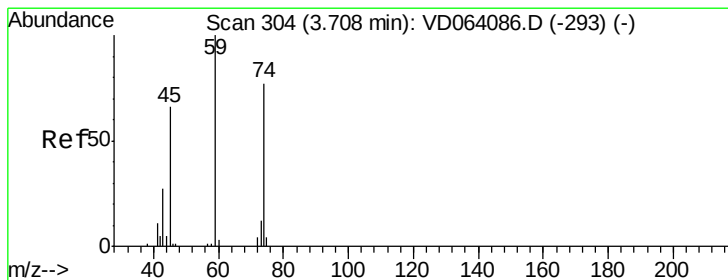
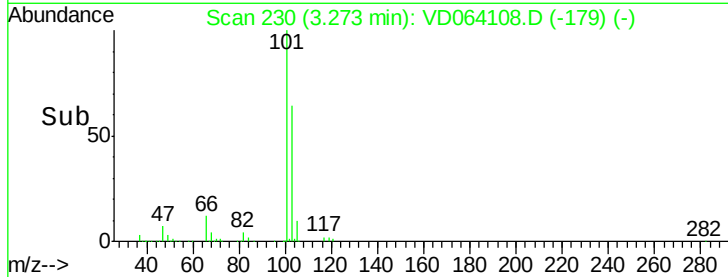
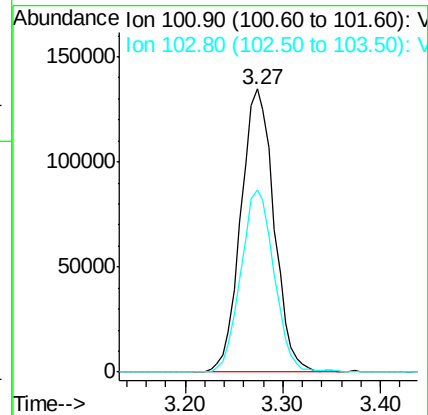
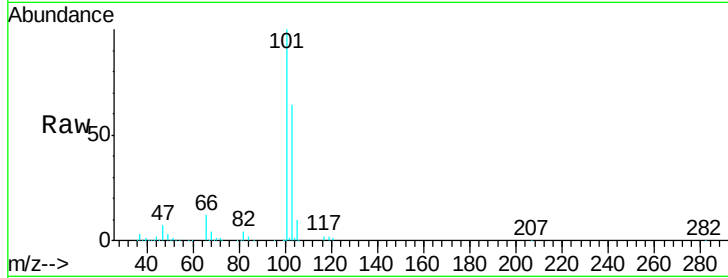
Trichlorofluoromethane
Concen: 51.196 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064108.D
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	318167		
103	64.5	49.6	74.4	

Manual Integrations
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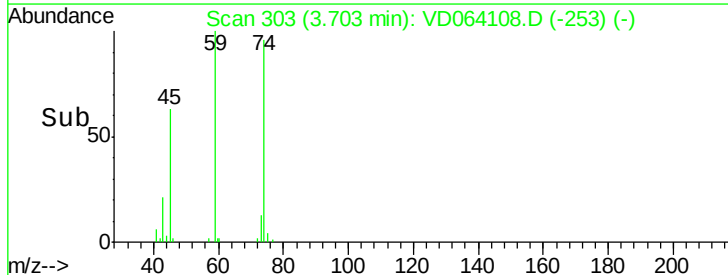
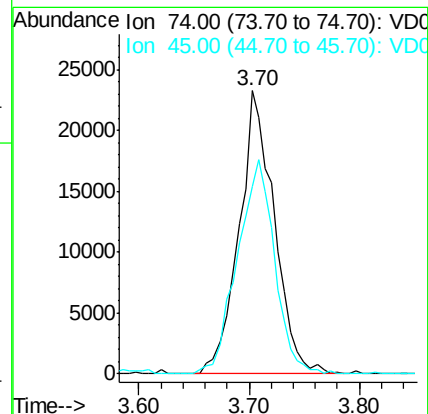
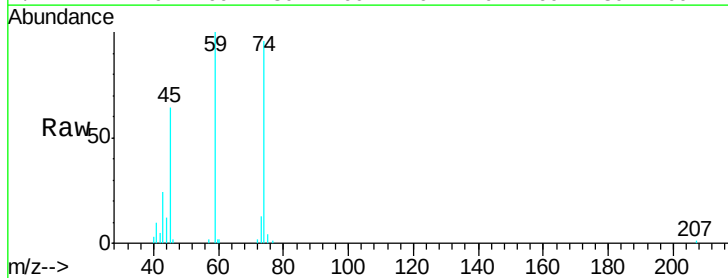
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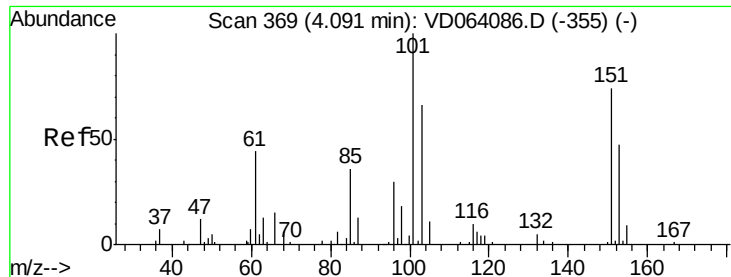


#8

Diethyl Ether
Concen: 48.111 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	51971		
45	80.1	44.1	132.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.944 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

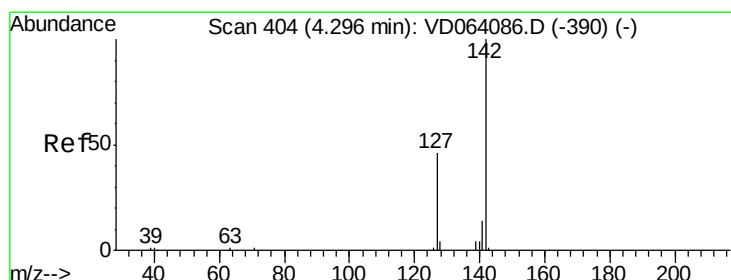
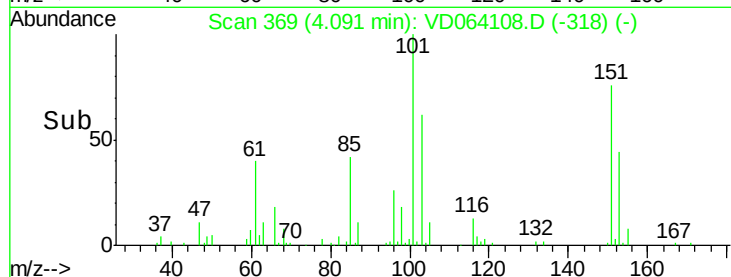
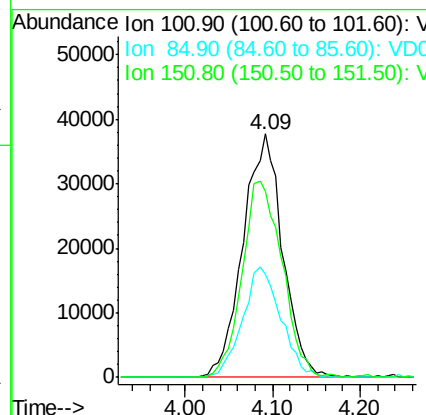
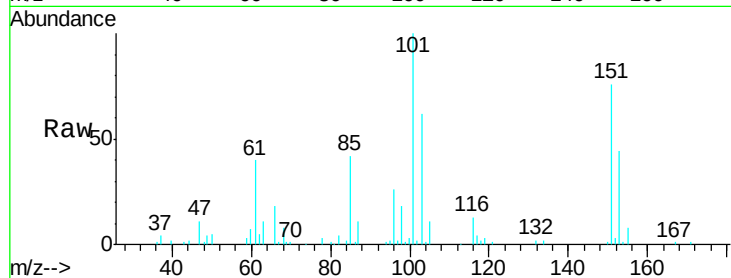
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	116335
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.3	52.9
151	80.9	67.0	100.6

Manual Integrations
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#10

Methyl Iodide

Concen: 51.852 ug/l

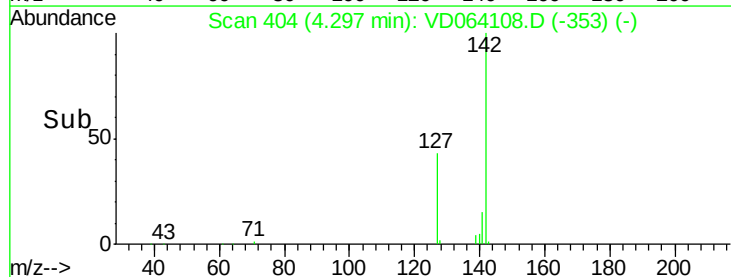
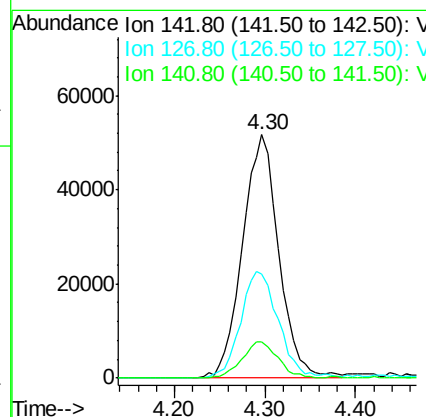
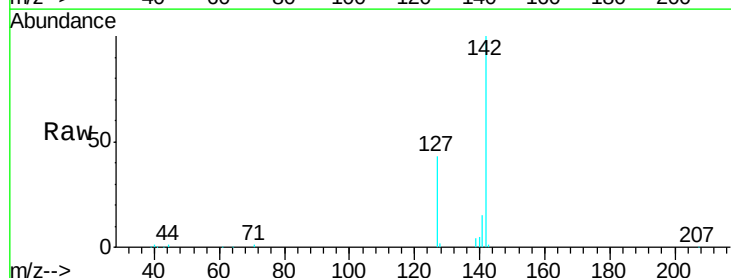
RT: 4.30 min Scan# 404

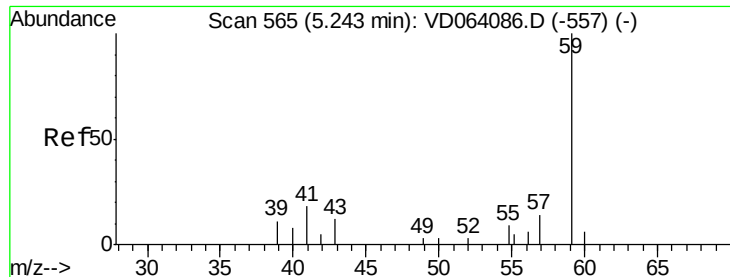
Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Tgt Ion:	142	Resp:	143876
Ion Ratio	Lower	Upper	
142	100		
127	45.1	35.1	52.7
141	14.7	11.6	17.4





#11

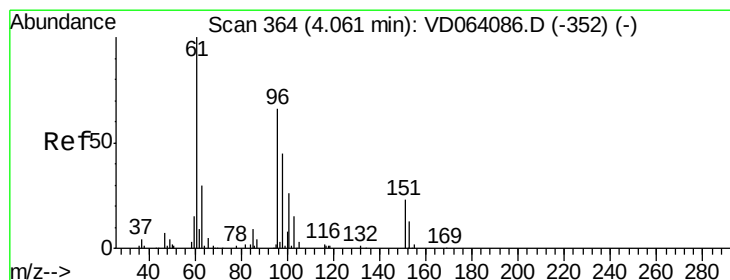
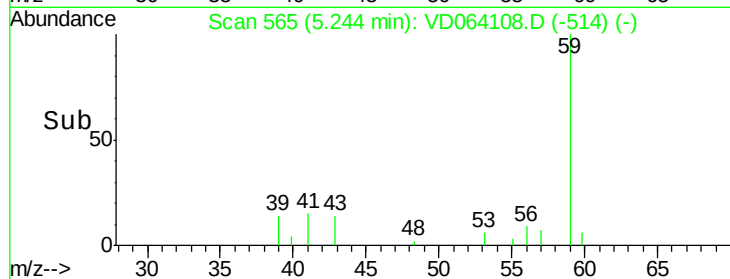
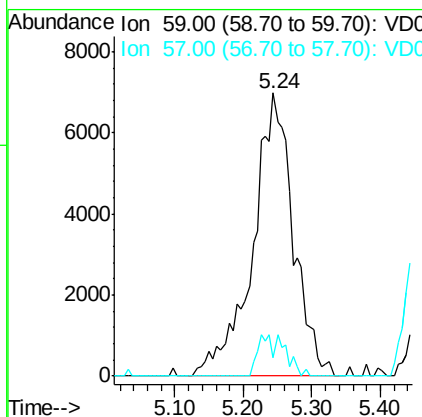
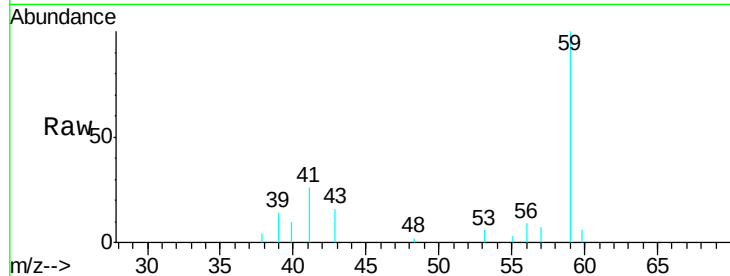
Tert butyl alcohol
Concen: 257.063 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Upper
59	100		
57	5.4	8.7	13.1#

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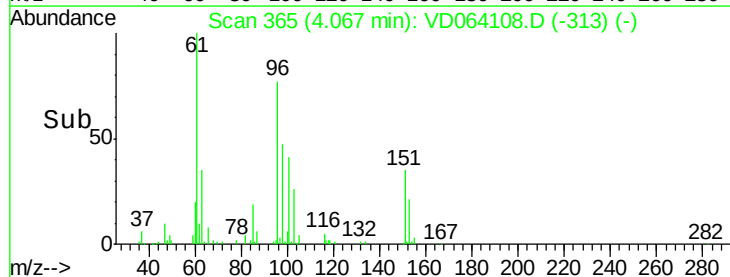
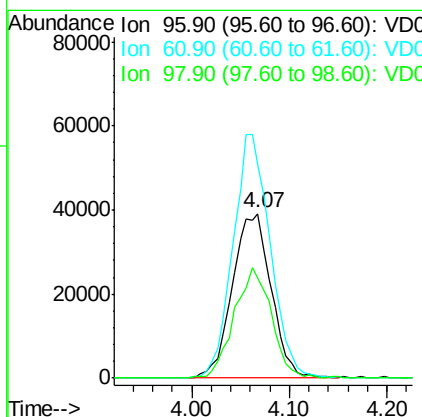
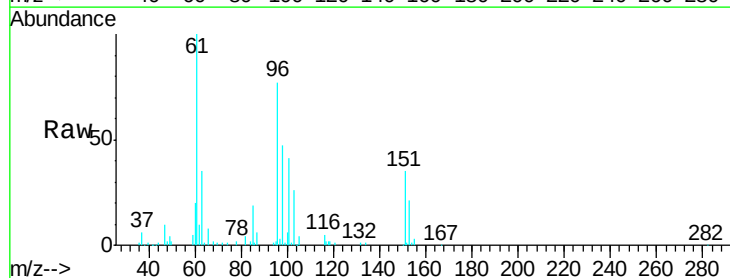
MMDadoda
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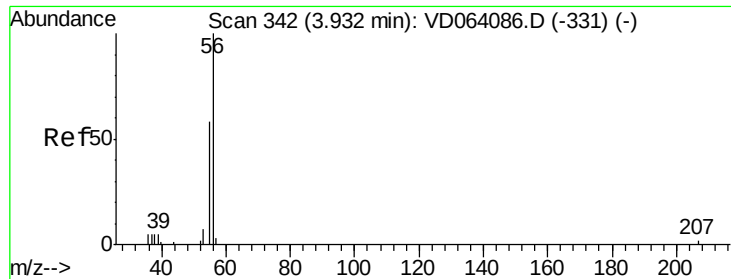


#12

1,1-Dichloroethene
Concen: 50.793 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	130.3	121.8	182.6
98	61.3	55.4	83.0





#13

Acrolein

Concen: 239.908 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 29727

Ion Ratio Lower Upper

56 100

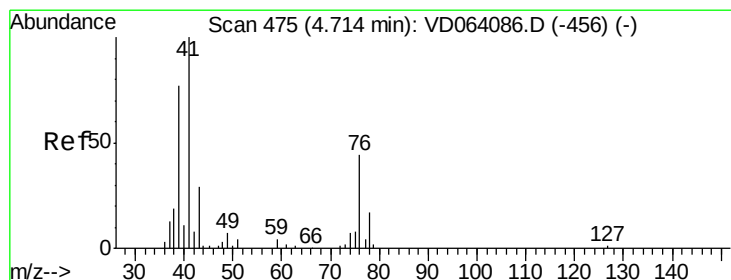
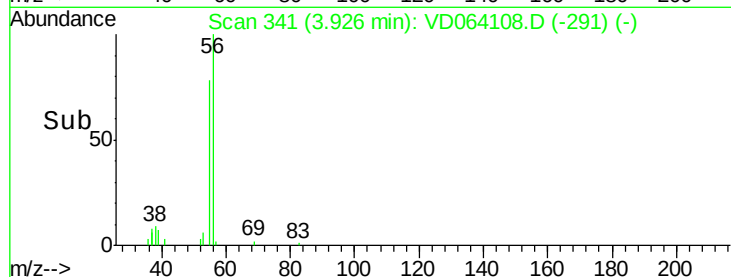
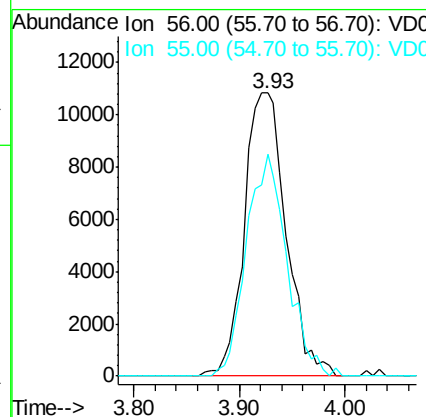
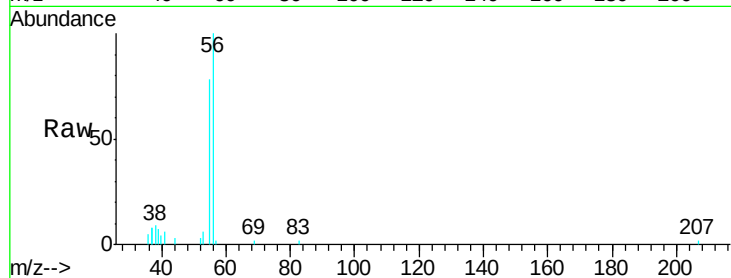
55 75.8 53.8 80.6

Manual Integrations

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#14

Allyl chloride

Concen: 52.002 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

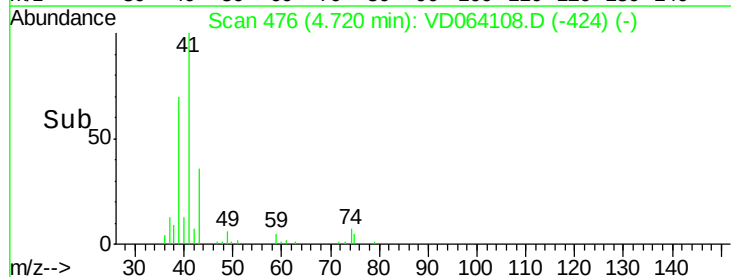
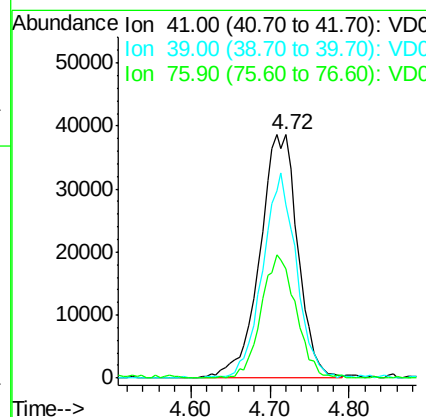
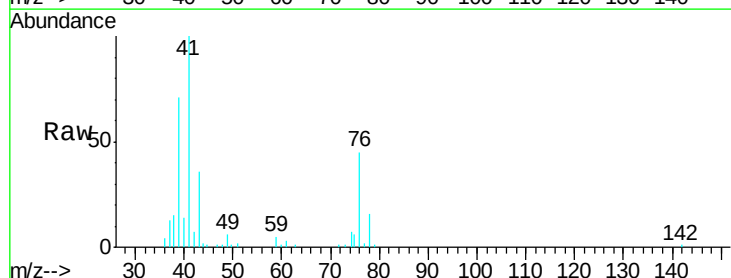
Tgt Ion: 41 Resp: 129009

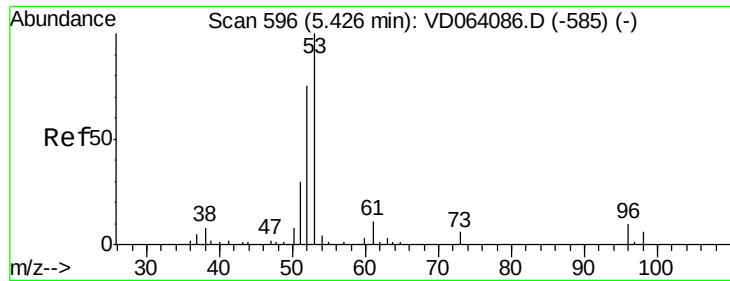
Ion Ratio Lower Upper

41 100

39 75.0 61.5 92.3

76 46.0 36.2 54.4





#15

Acrylonitrile

Concen: 234.510 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

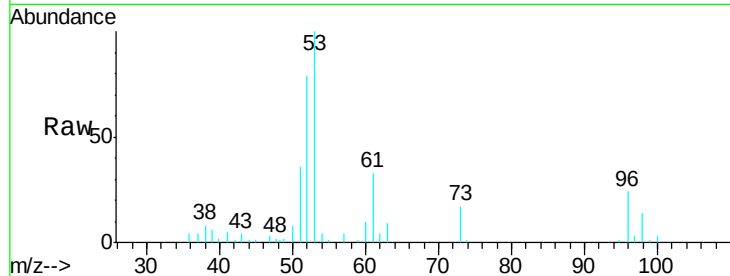
ClientSampleId :

VSTDCCC050

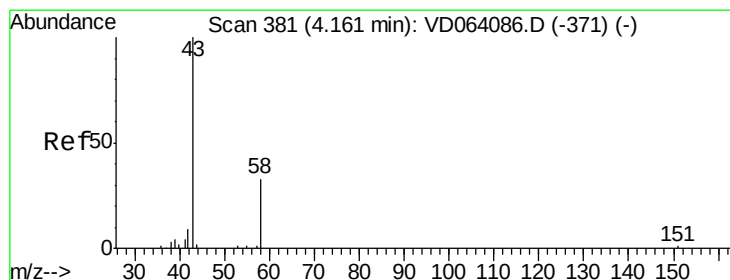
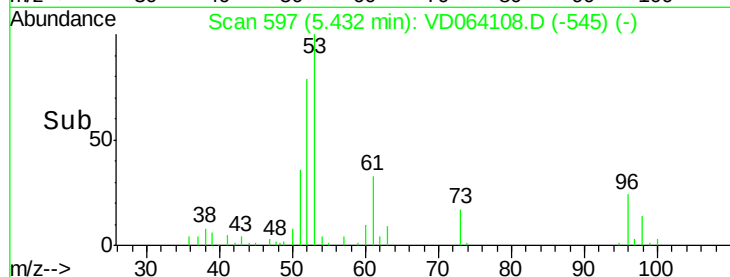
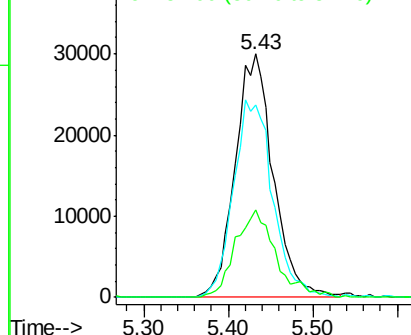
Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.4
51	38.2	29.0	43.6

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 298.038 ug/l

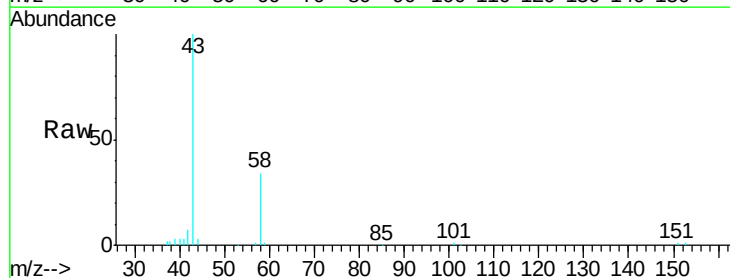
RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

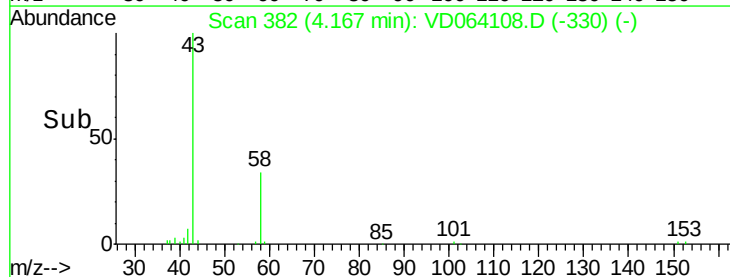
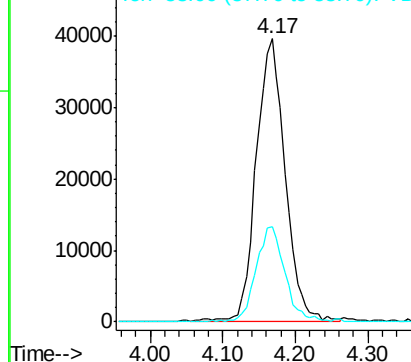
Lab File: VD064108.D

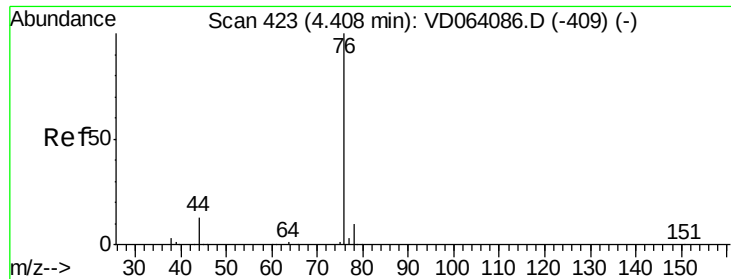
Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.3	39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 50.765 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 330664

Ion Ratio Lower Upper

76 100

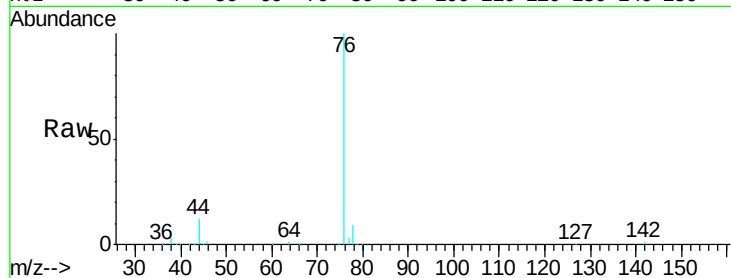
78 9.3 8.1 12.1

Manual Integrations

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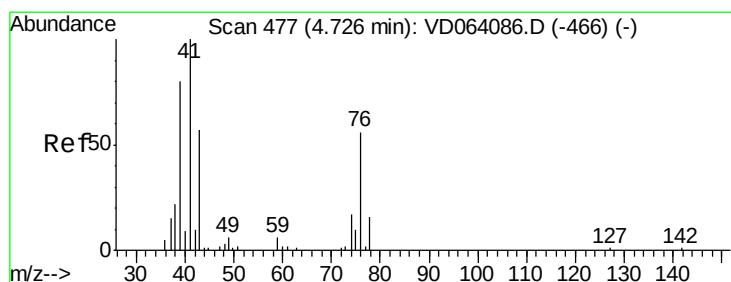
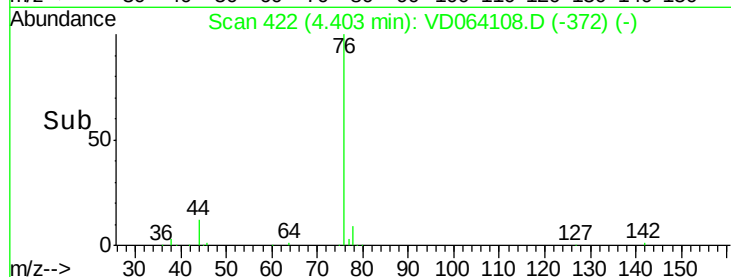
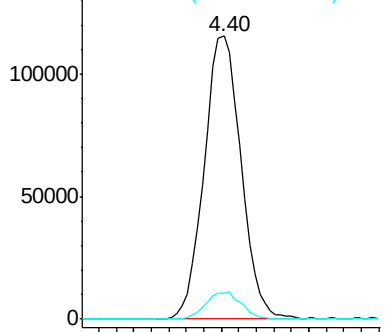
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.748 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064108.D

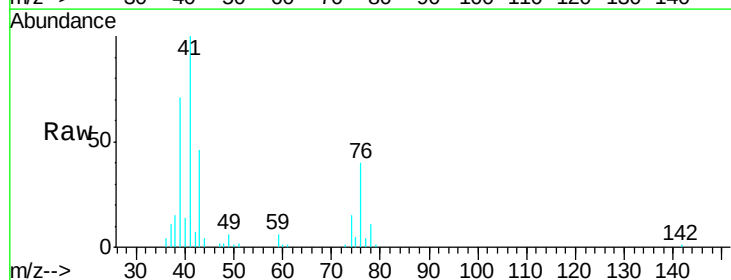
Acq: 30 Oct 2019 11:45

Tgt Ion: 43 Resp: 46962

Ion Ratio Lower Upper

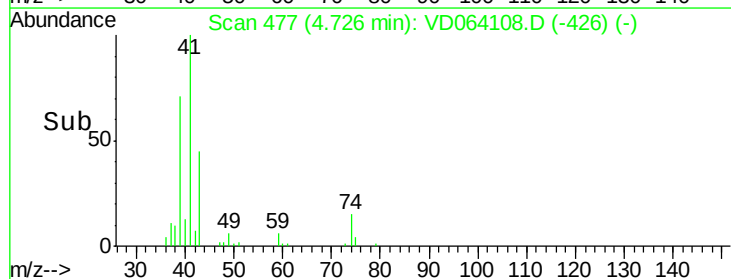
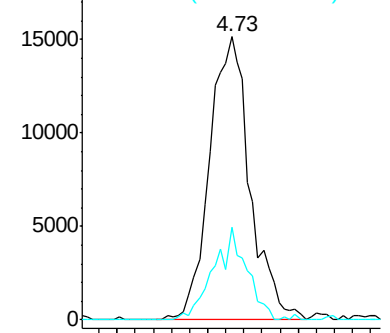
43 100

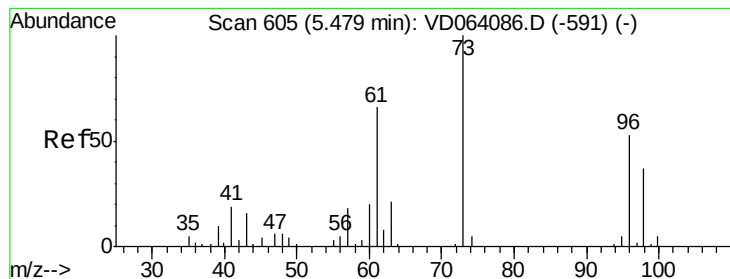
74 26.7 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

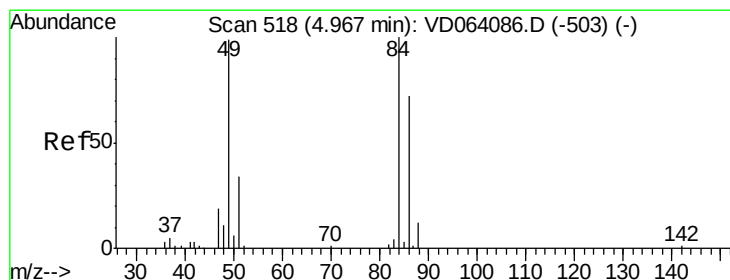
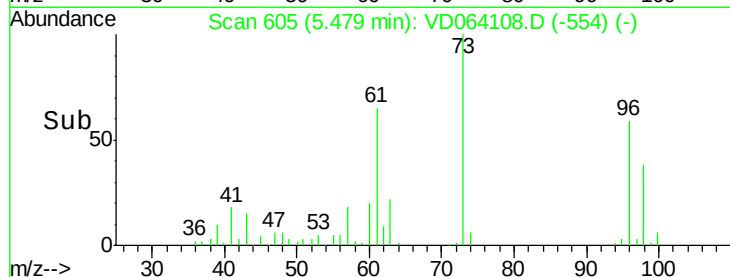
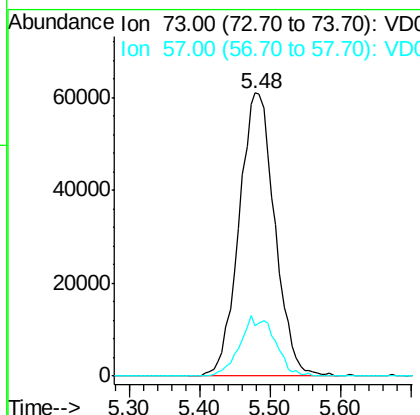
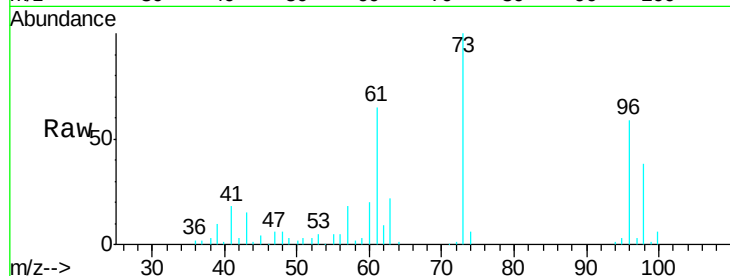
Methyl tert-butyl Ether
 Concen: 49.809 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 73 Resp: 214233
 Ion Ratio Lower Upper
 73 100
 57 17.8 14.3 21.5

Manual Integrations
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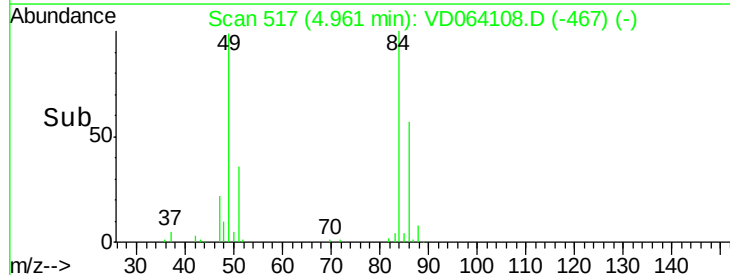
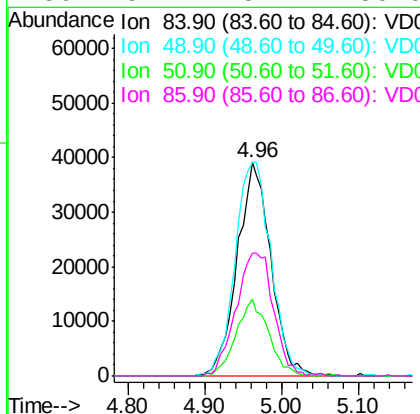
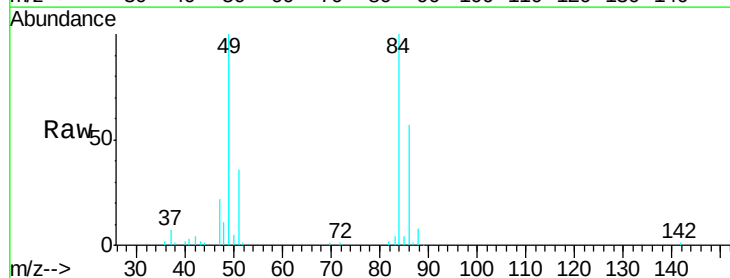
MMDadoda
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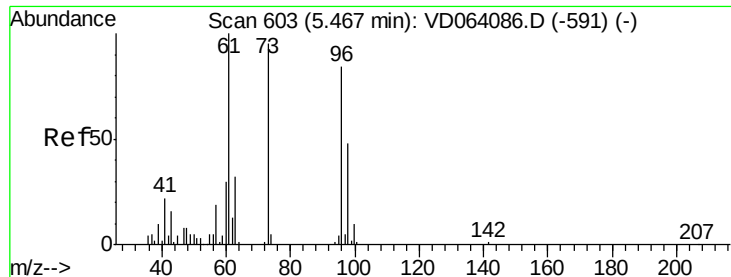


#20

Methylene Chloride
 Concen: 50.537 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion: 84 Resp: 119265
 Ion Ratio Lower Upper
 84 100
 49 99.9 79.4 119.0
 51 35.8 27.4 41.2
 86 57.4 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 50.857 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

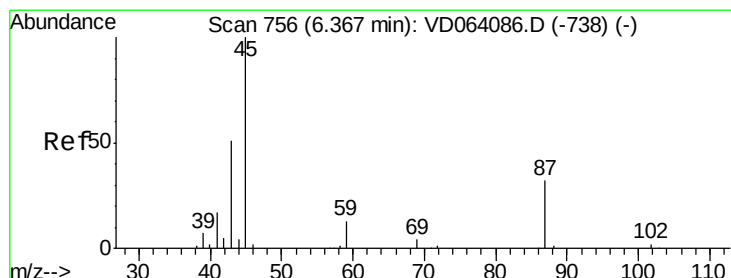
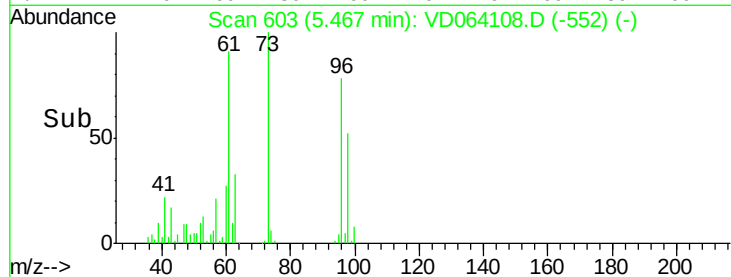
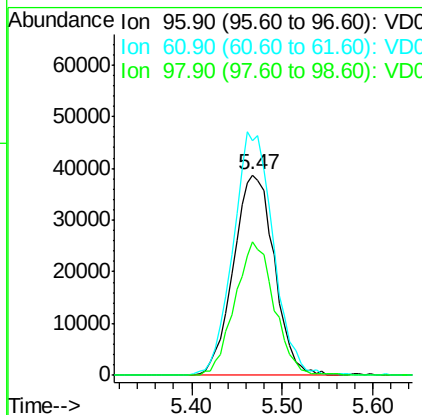
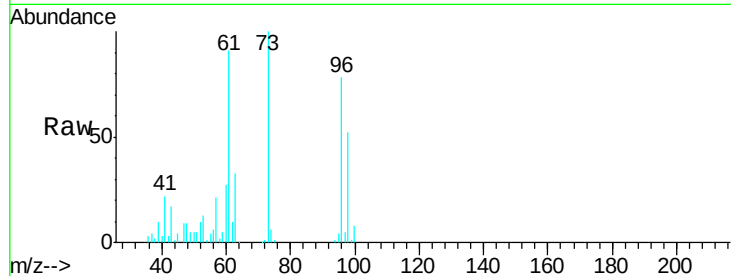
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	121008
Ion	Ratio	Lower	Upper
96	100		
61	116.3	95.0	142.6
98	66.8	45.8	68.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.511 ug/l

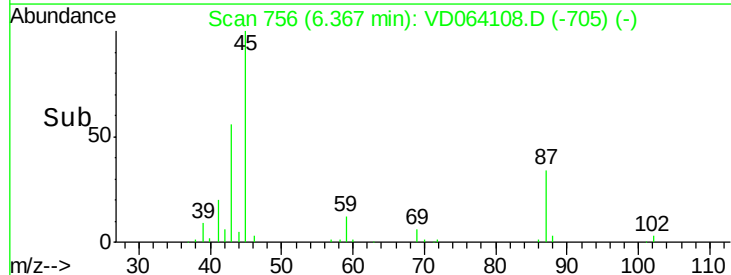
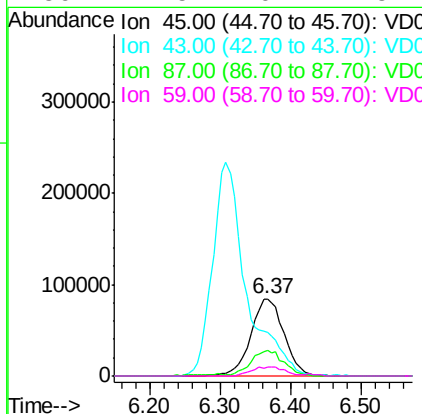
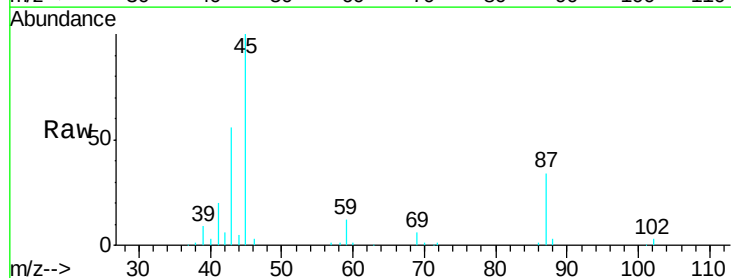
RT: 6.37 min Scan# 756

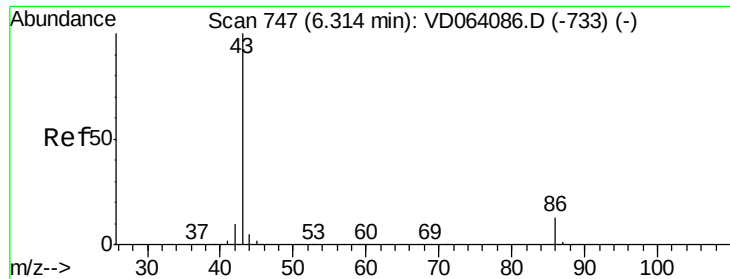
Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Tgt Ion:	45	Resp:	277524
Ion	Ratio	Lower	Upper
45	100		
43	55.0	44.3	66.5
87	33.9	26.6	39.8
59	12.5	10.2	15.2





#23

Vinyl Acetate

Concen: 258.080 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 777256

Ion Ratio Lower Upper

43 100

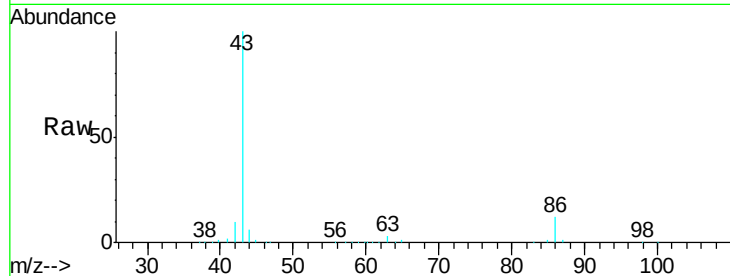
86 12.3 10.7 16.1

Manual Integrations

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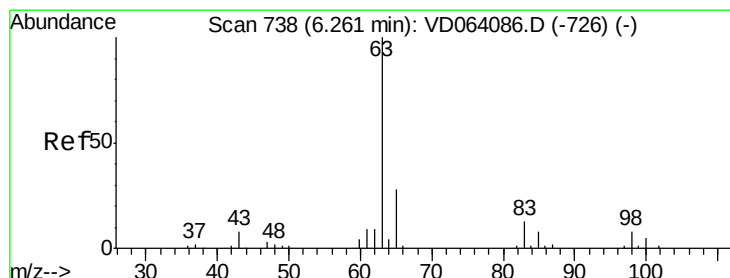
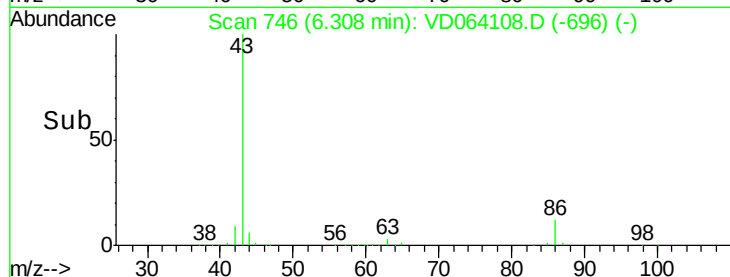
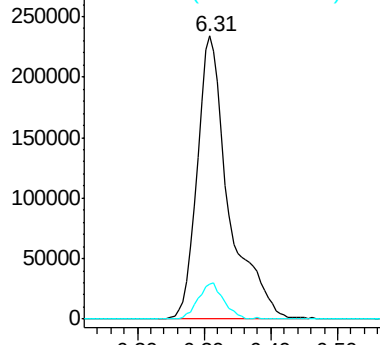
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.374 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

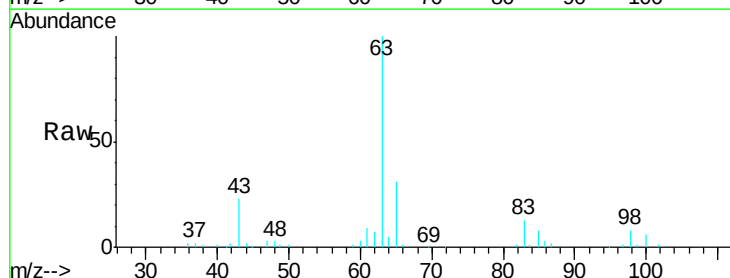
Tgt Ion: 63 Resp: 183187

Ion Ratio Lower Upper

63 100

98 7.5 4.0 11.9

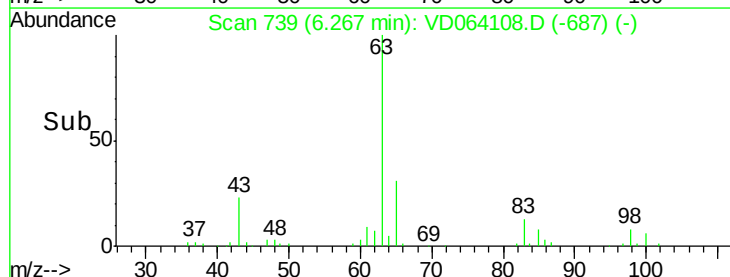
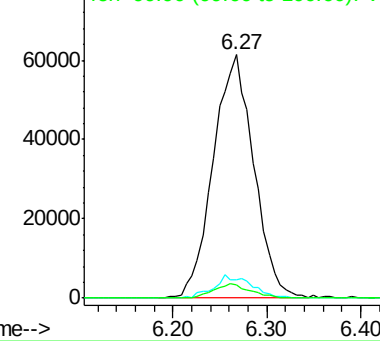
100 5.6 2.6 7.8

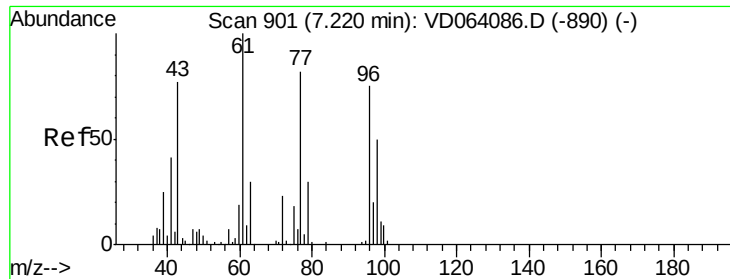


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 249.372 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 127472

Ion Ratio Lower Upper

43 100

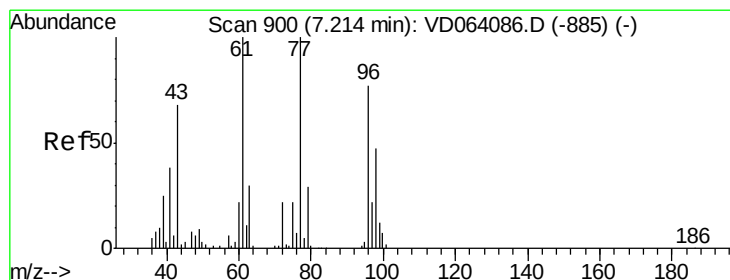
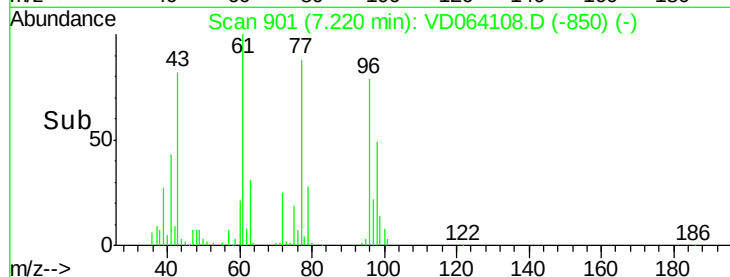
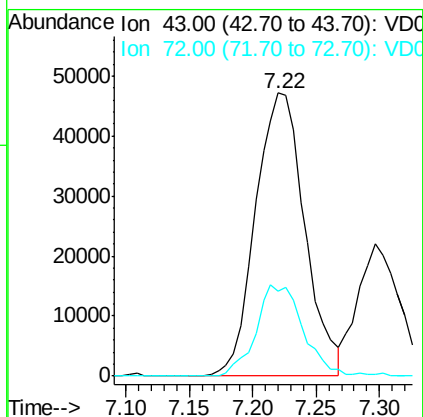
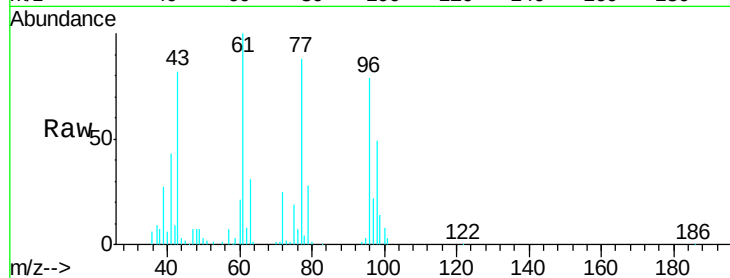
72 30.2 23.4 35.0

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#26

2,2-Dichloropropane

Concen: 49.921 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064108.D

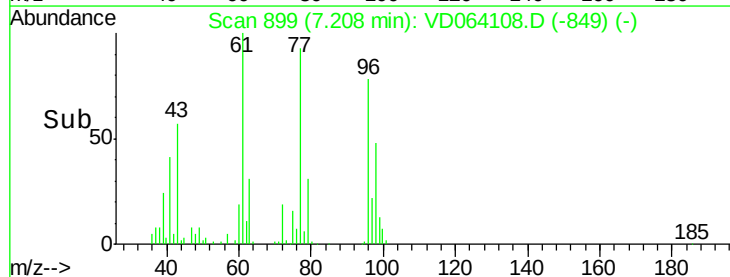
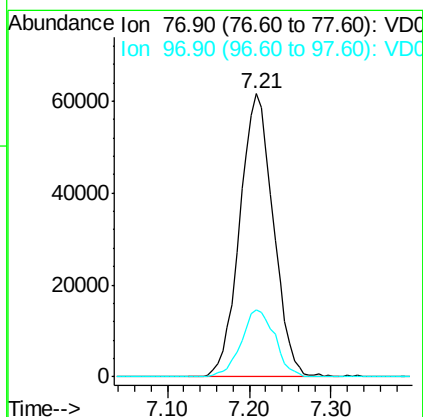
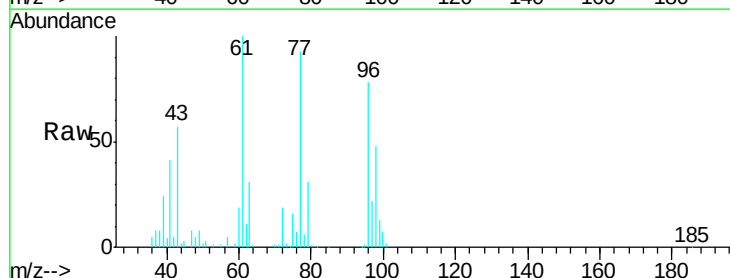
Acq: 30 Oct 2019 11:45

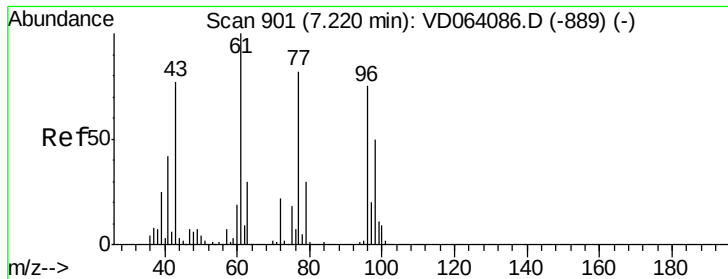
Tgt Ion: 77 Resp: 175793

Ion Ratio Lower Upper

77 100

97 23.7 11.2 33.5





#27

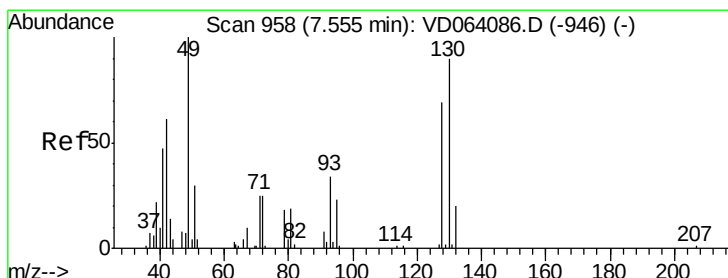
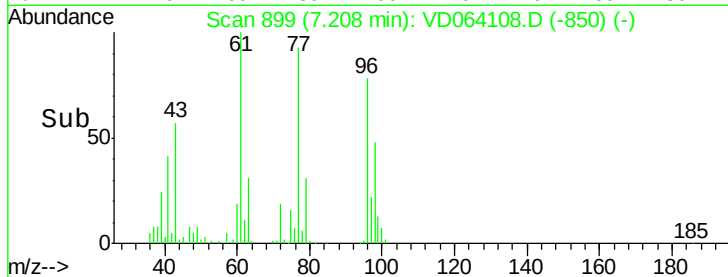
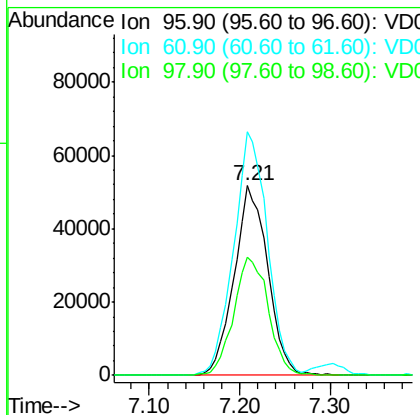
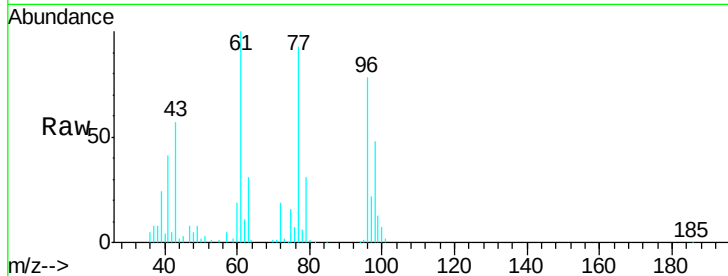
cis-1,2-Dichloroethene
 Concen: 50.189 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	133625		
61	128.6		0.0	258.0
98	64.0		0.0	130.8

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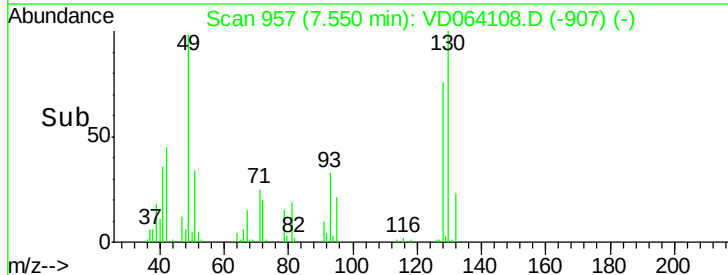
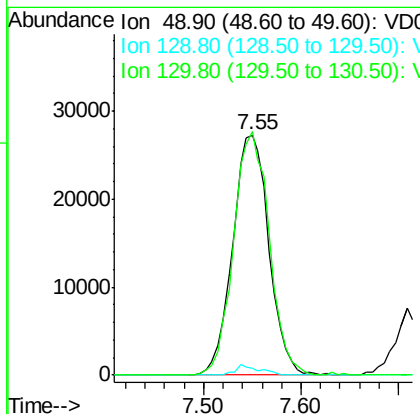
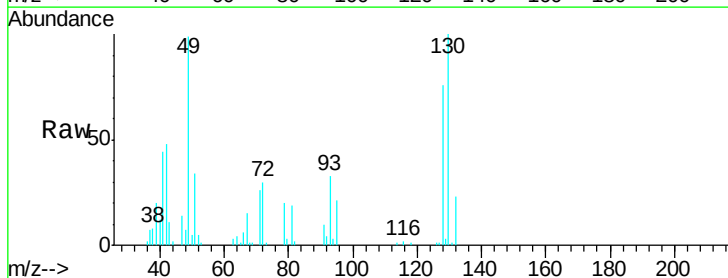
MMDadoda
 10/31/2019 3:39:11 PM

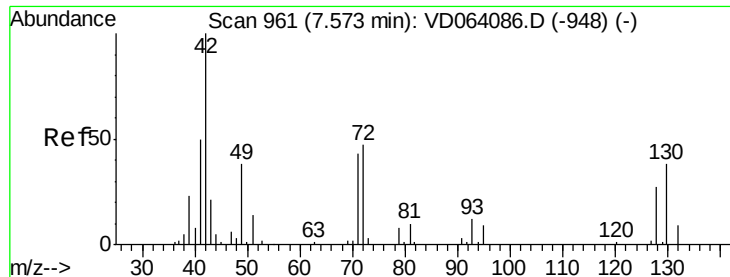


#28

Bromochloromethane
 Concen: 48.856 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70579		
129	2.7		0.0	5.4
130	99.9		75.3	112.9





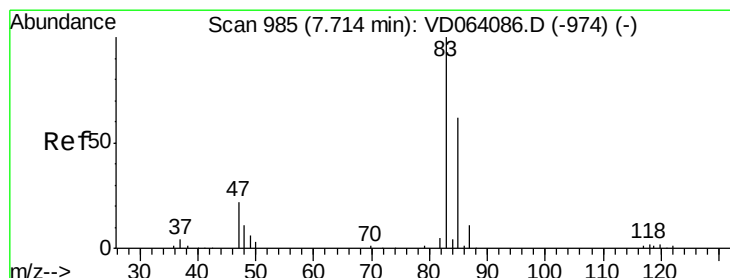
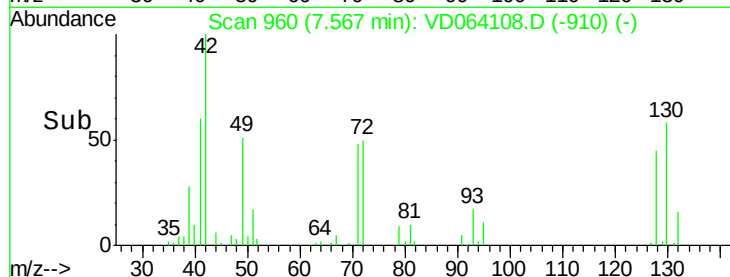
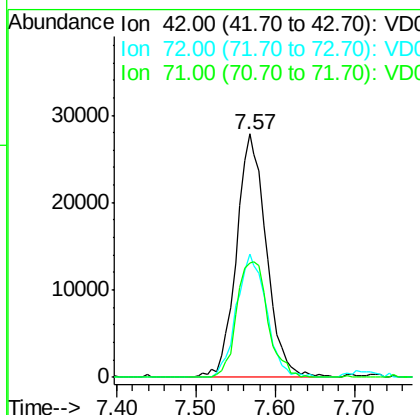
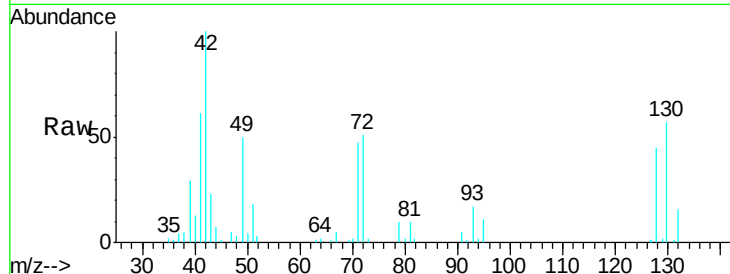
#29
Tetrahydrofuran
Concen: 243.965 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.4	38.9	58.3
71	49.3	35.4	53.2

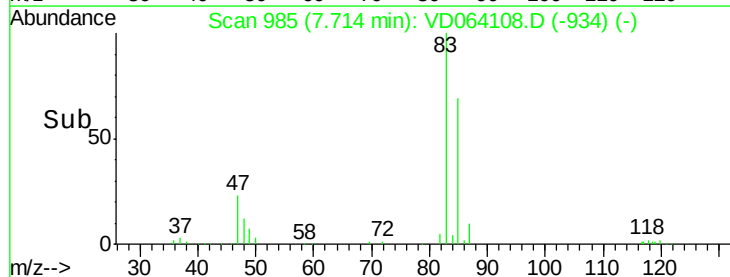
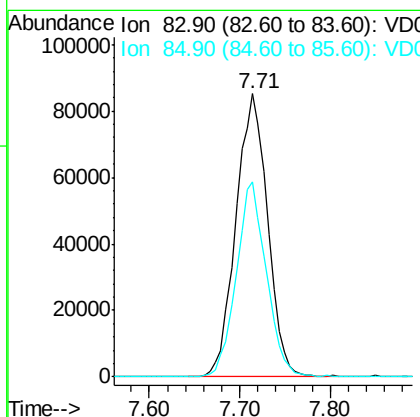
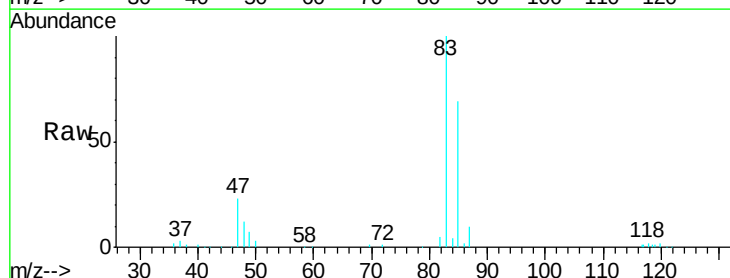
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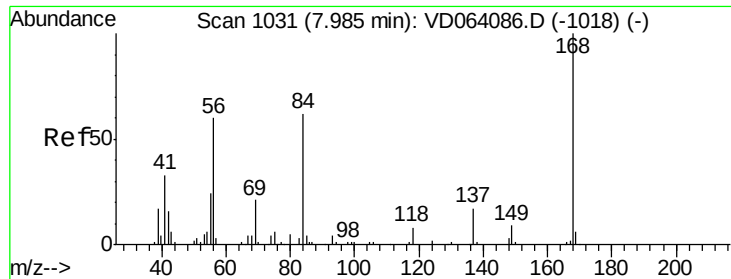
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#30
Chloroform
Concen: 48.703 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.8	49.8	74.6





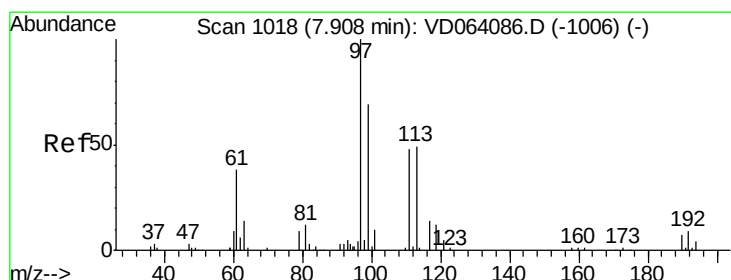
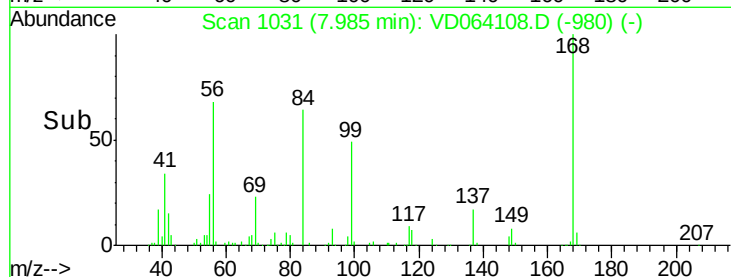
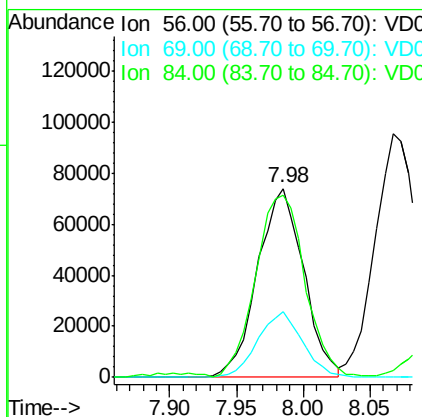
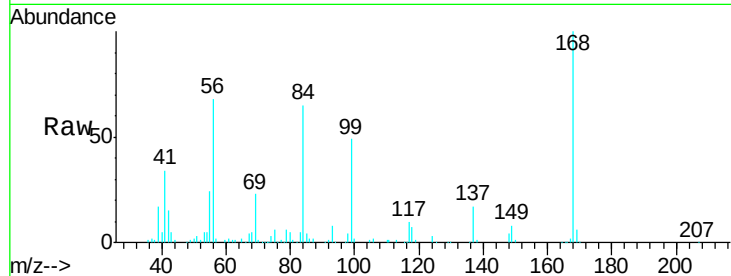
#31
Cyclohexane
Concen: 49.083 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.7	27.7	41.5
84	94.8	83.1	124.7

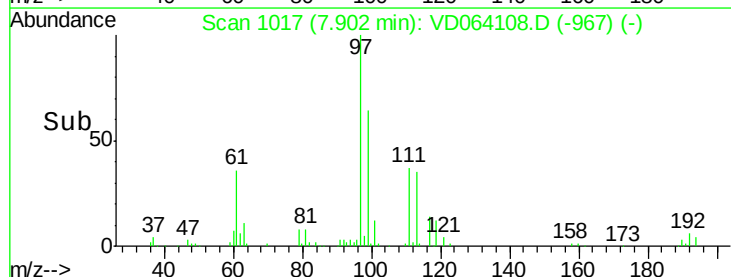
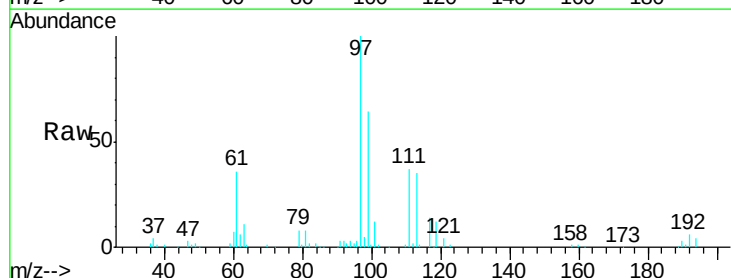
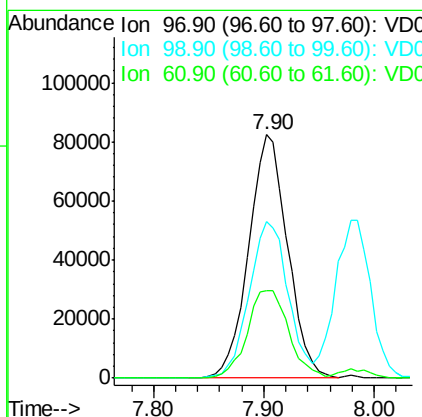
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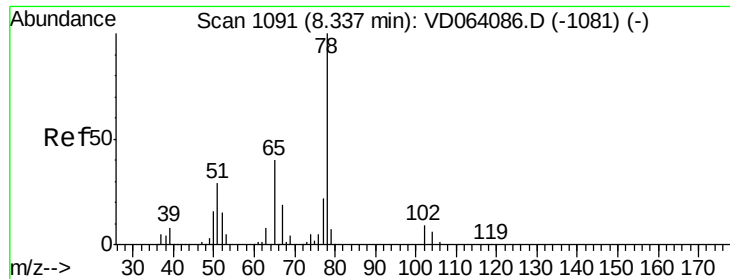
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#32
1,1,1-Trichloroethane
Concen: 51.414 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	53.7	80.5
61	38.7	31.8	47.6





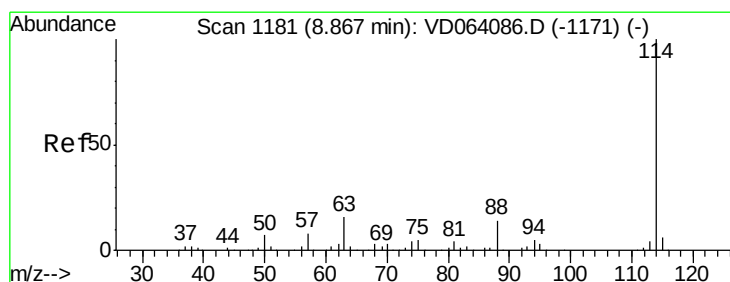
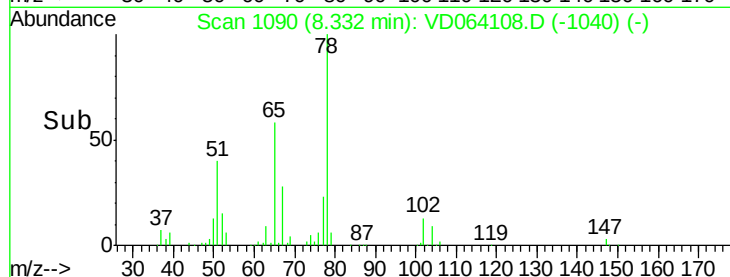
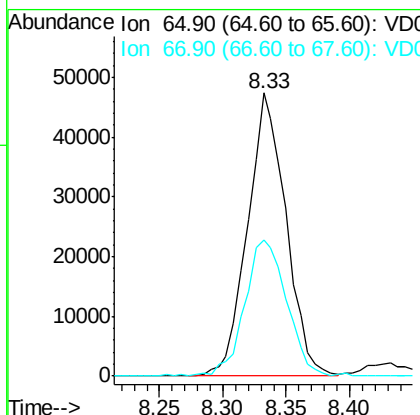
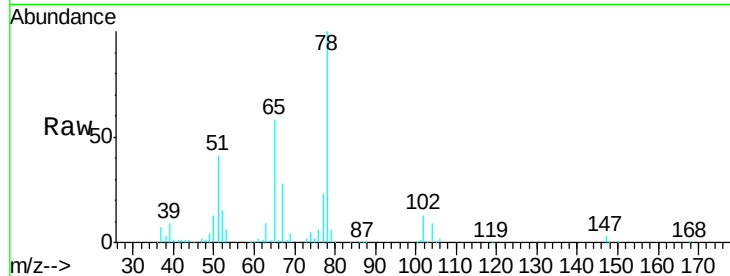
#33
 1,2-Dichloroethane-d4
 Concen: 51.419 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 99923
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.6

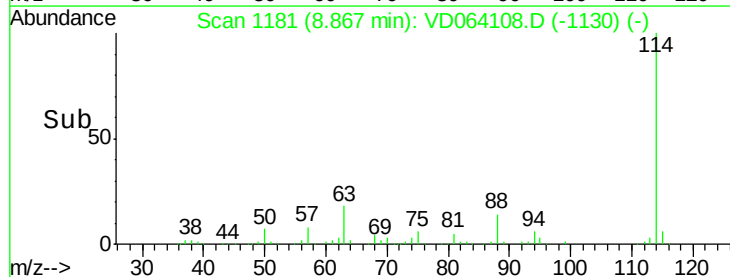
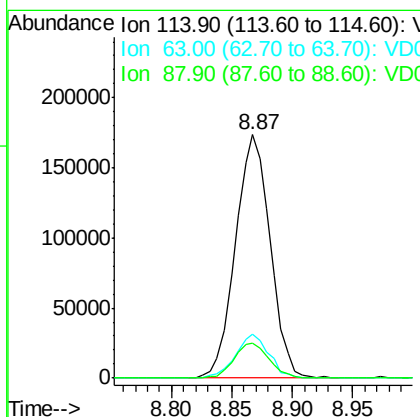
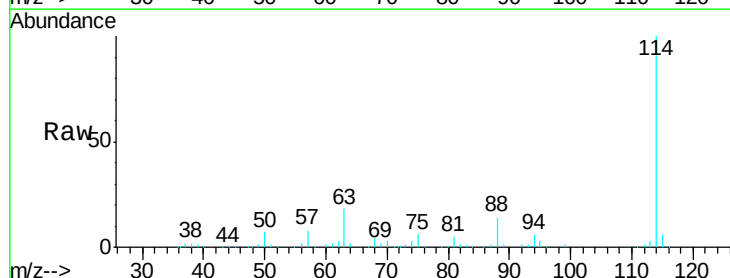
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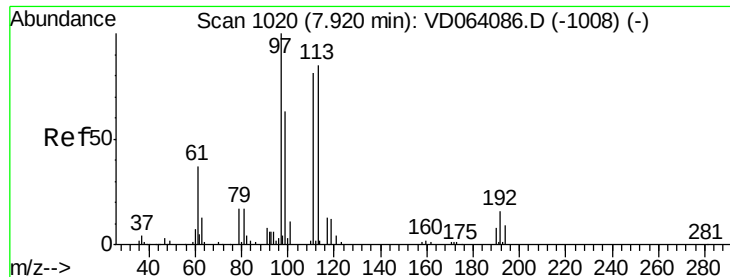
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion: 114 Resp: 348023
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 32.8
 88 14.2 0.0 27.6





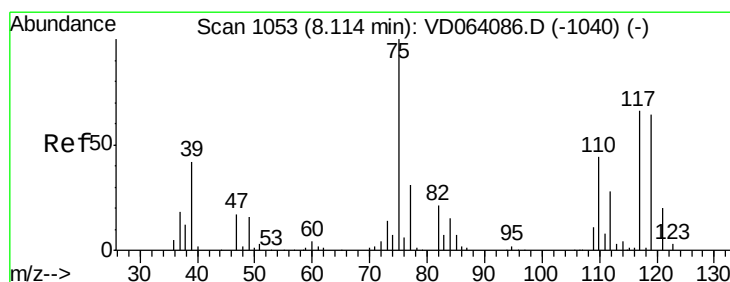
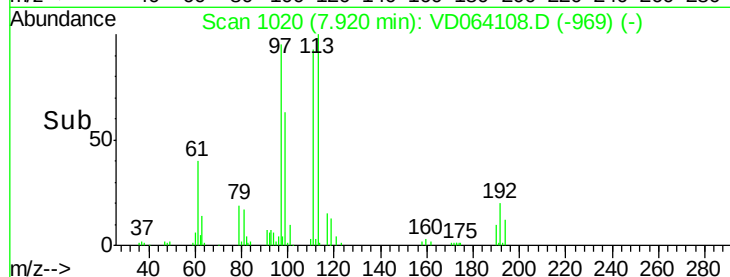
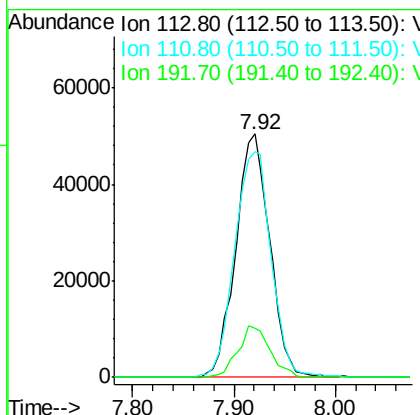
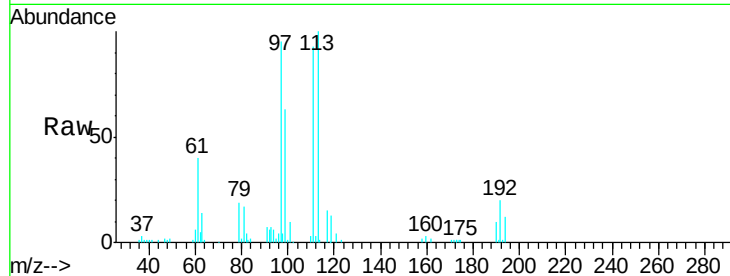
#35
 Dibromofluoromethane
 Concen: 54.949 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.4	79.3	118.9
192	19.8	16.2	24.2

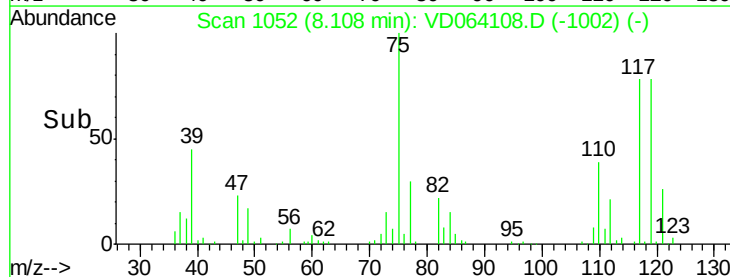
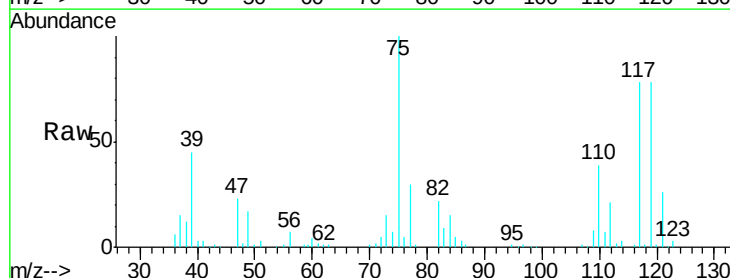
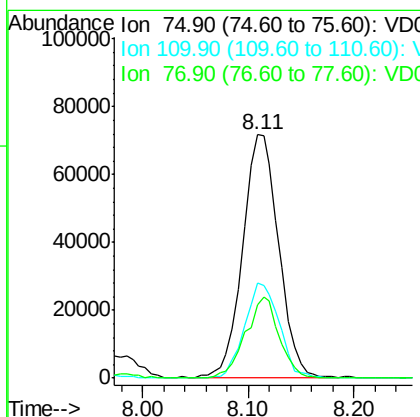
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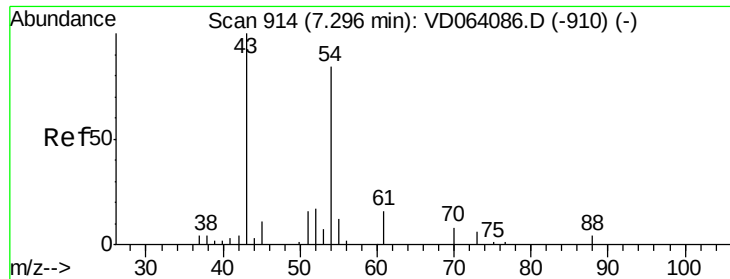
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#36
 1,1-Dichloropropene
 Concen: 52.178 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	20.0	59.9
77	31.3	24.7	37.1





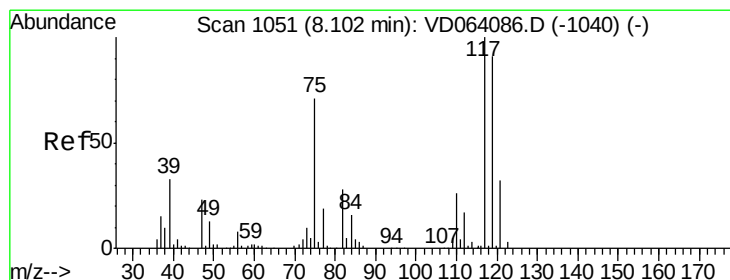
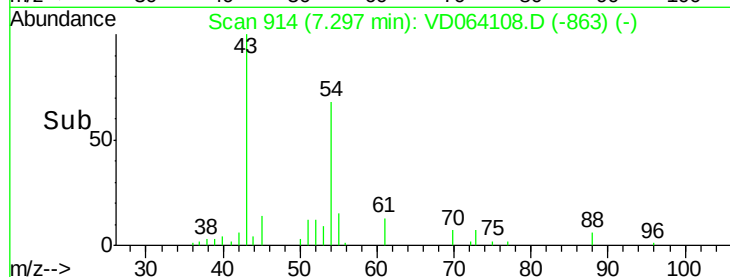
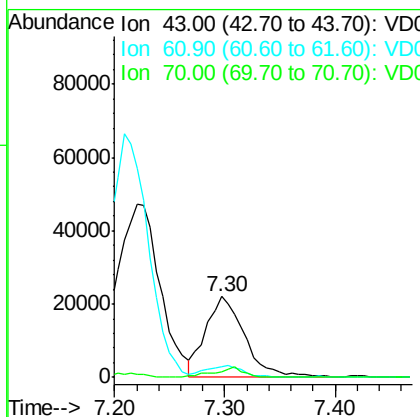
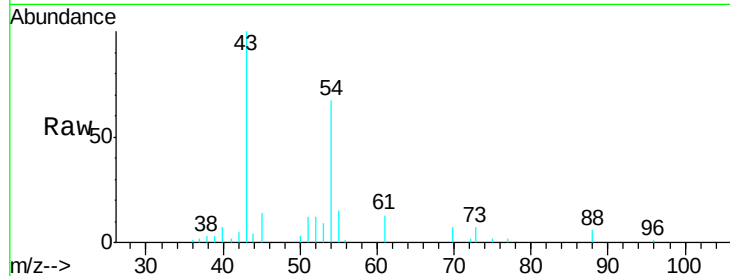
#37
Ethyl Acetate
Concen: 53.653 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 53855
Ion Ratio Lower Upper
43 100
61 13.9 12.0 18.0
70 9.8 3.8 5.6#

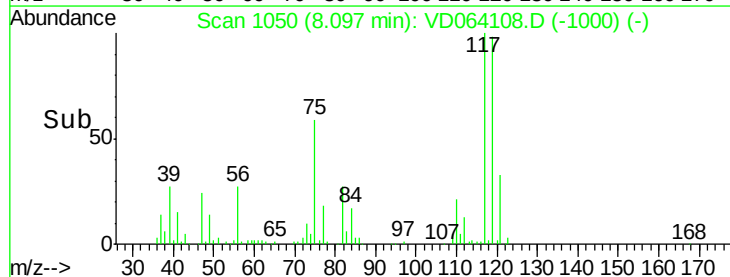
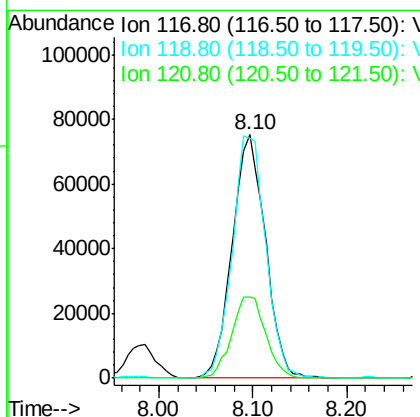
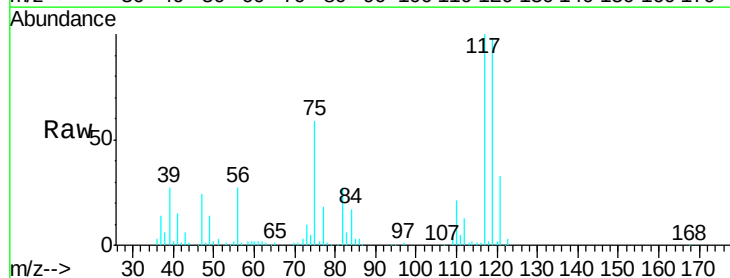
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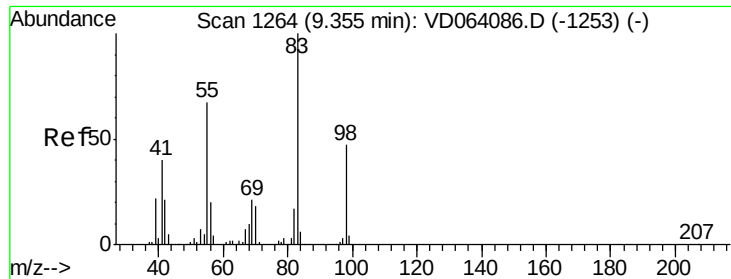
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#38
Carbon Tetrachloride
Concen: 51.717 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion: 117 Resp: 184013
Ion Ratio Lower Upper
117 100
119 98.2 72.6 108.8
121 33.5 25.8 38.6





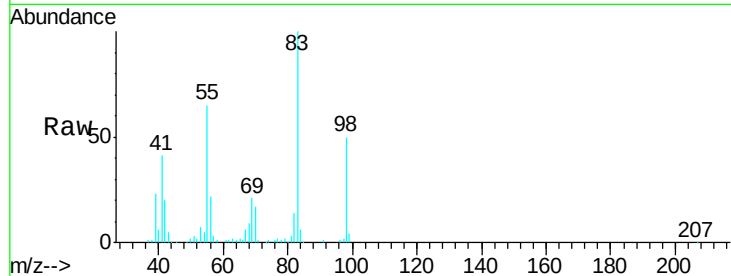
#39
Methylcyclohexane
Concen: 55.348 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

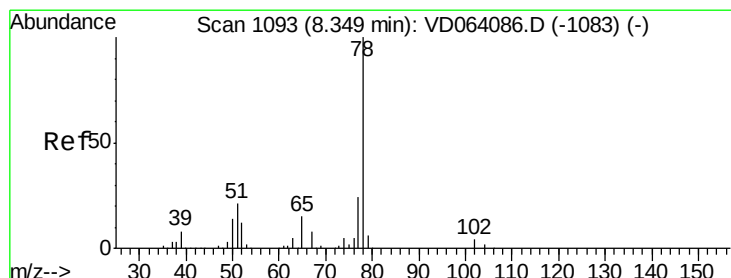
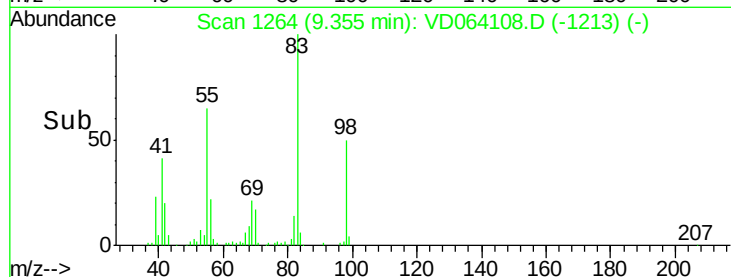
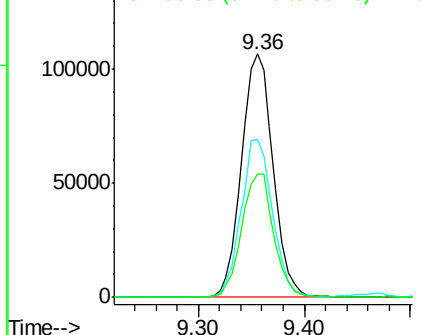
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	221567		
55	64.7	53.4	80.0	
98	50.4	37.8	56.6	

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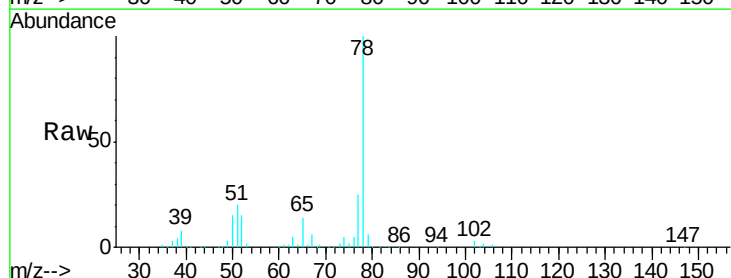


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

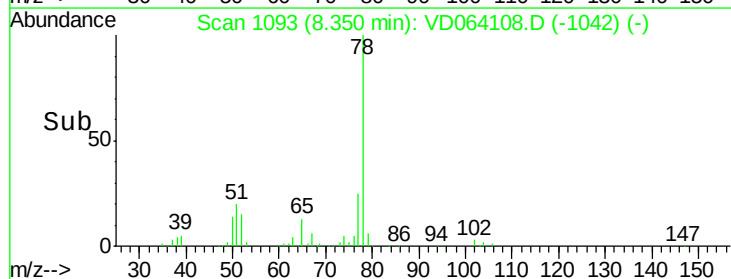
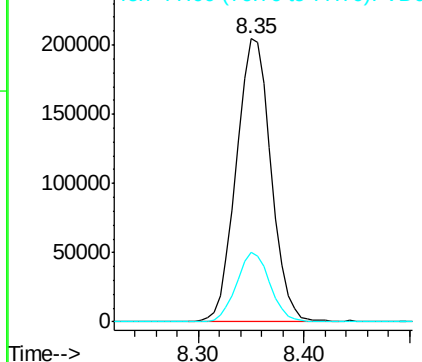


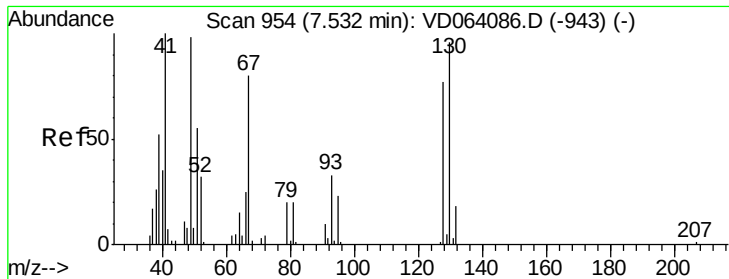
#40
Benzene
Concen: 52.441 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	466345		
77	24.7	19.0	28.4	



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 51.602 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 29891
Ion Ratio Lower Upper

41 100

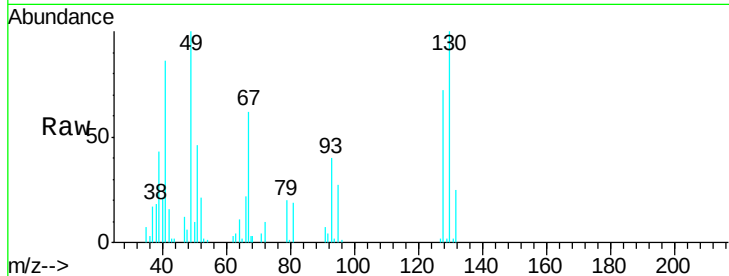
39 61.3 41.0 61.4

67 89.0 73.4 110.0

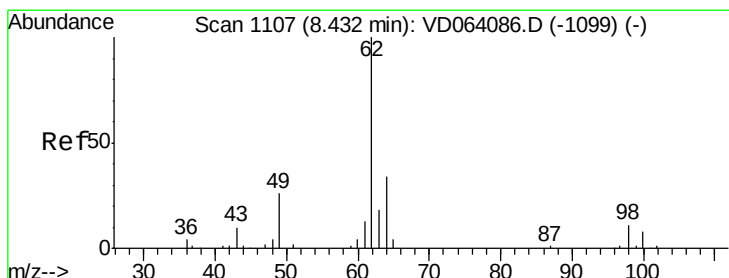
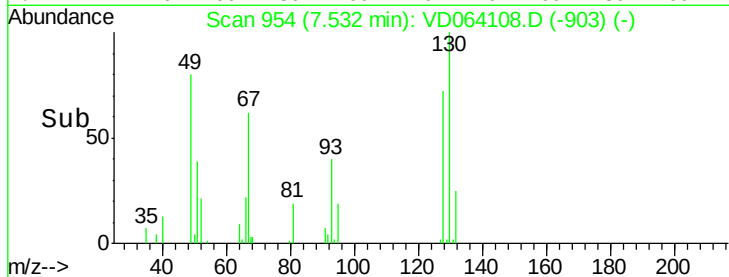
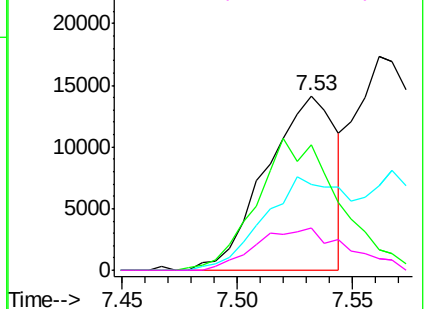
52 31.1 27.3 40.9

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Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.171 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

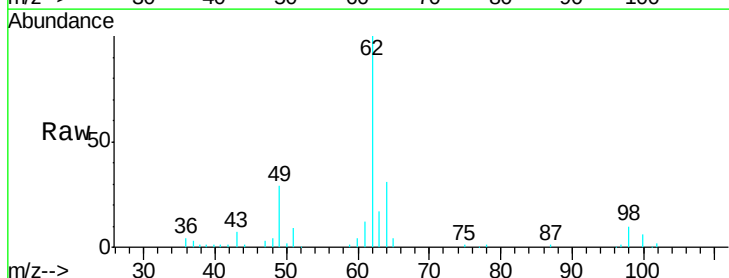
Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

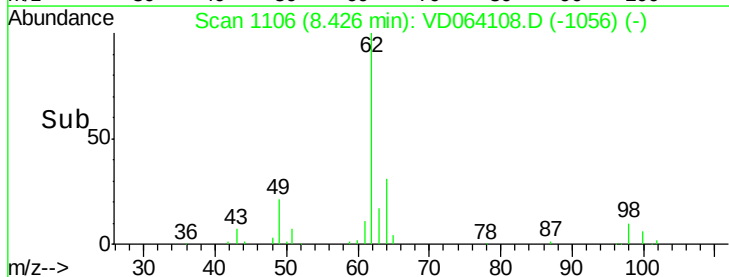
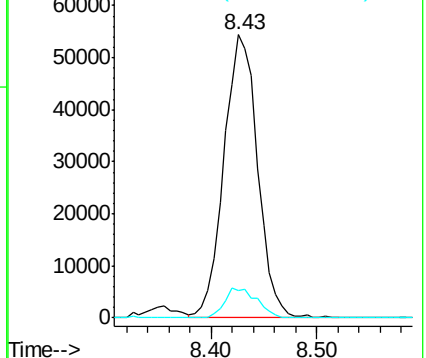
Tgt Ion: 62 Resp: 120204
Ion Ratio Lower Upper

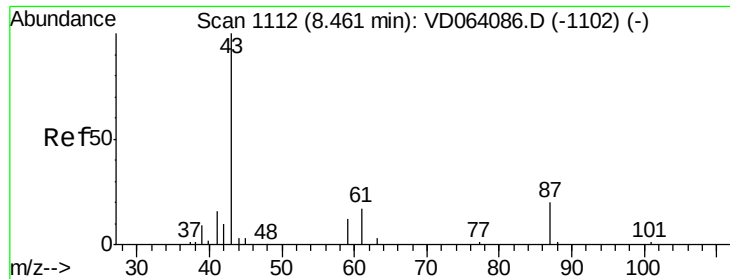
62 100

98 10.2 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 50.618 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

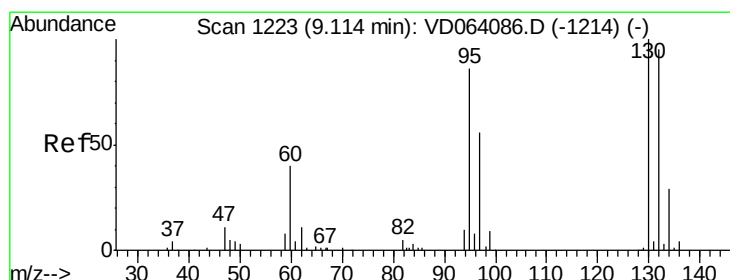
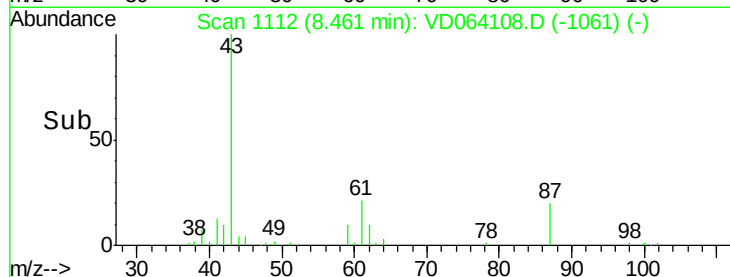
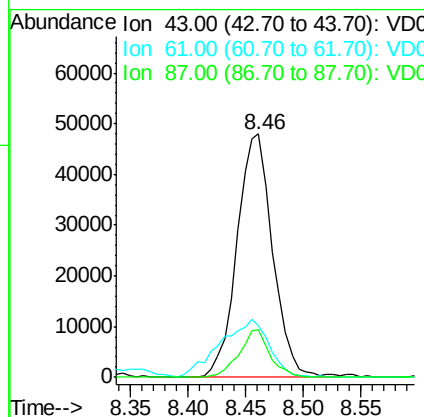
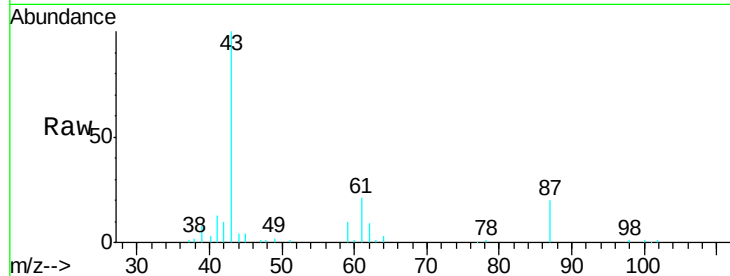
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	102681
Ion	Ratio	Lower	Upper
43	100		
61	33.0	25.8	38.8
87	16.9	13.0	19.4

Manual Integrations
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#44

Trichloroethene

Concen: 53.967 ug/l

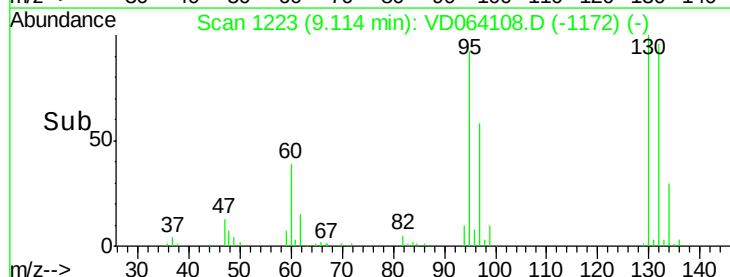
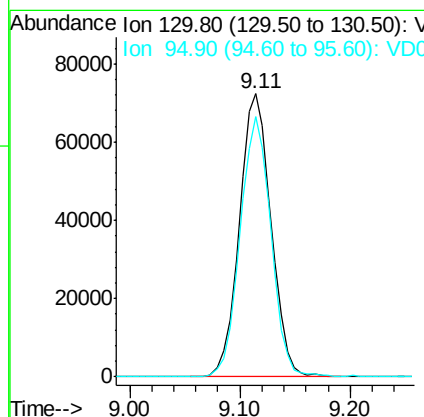
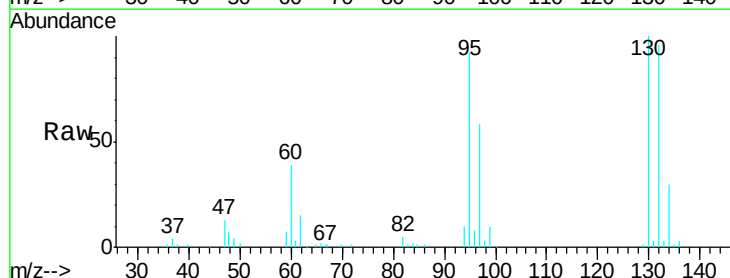
RT: 9.11 min Scan# 1223

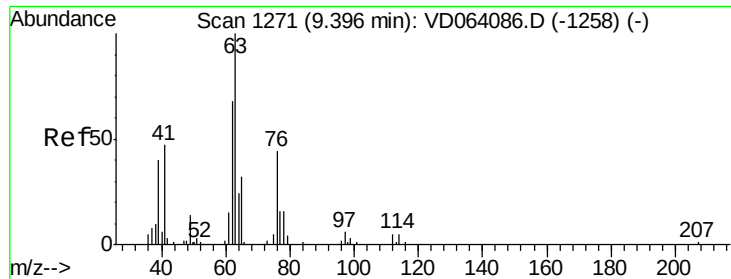
Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Tgt Ion:	130	Resp:	145459
Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	173.0





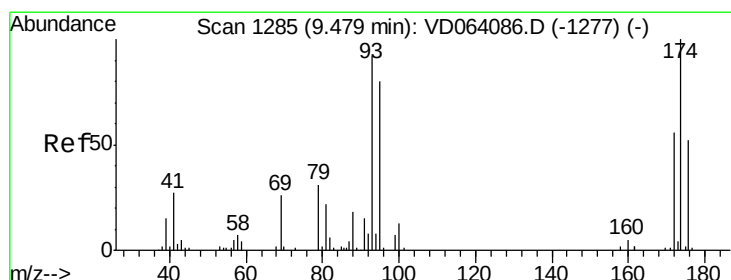
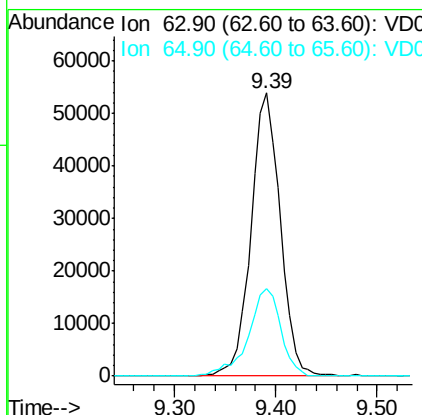
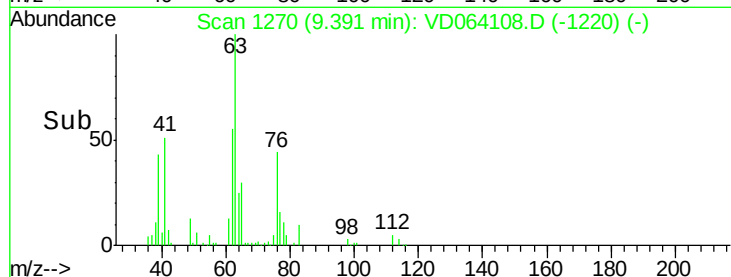
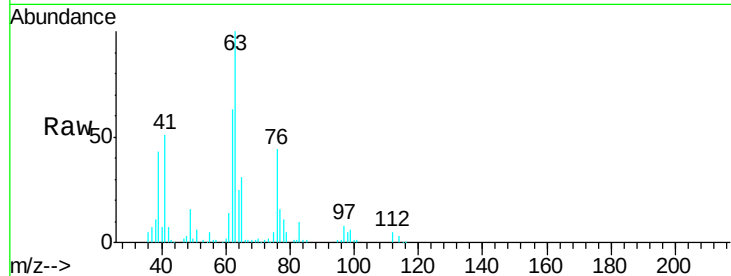
#45
 1,2-Dichloropropane
 Concen: 52.629 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 108464
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.8 38.8

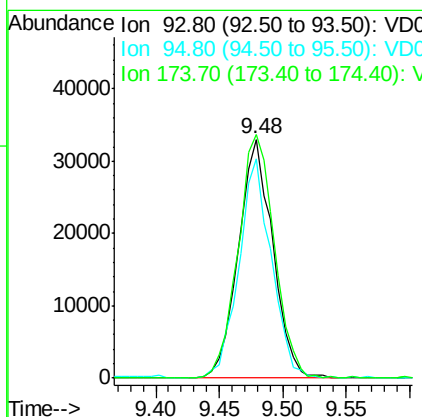
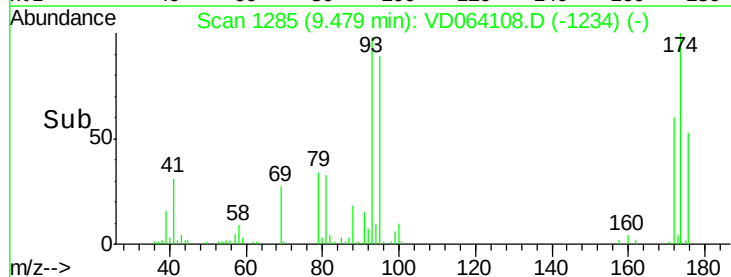
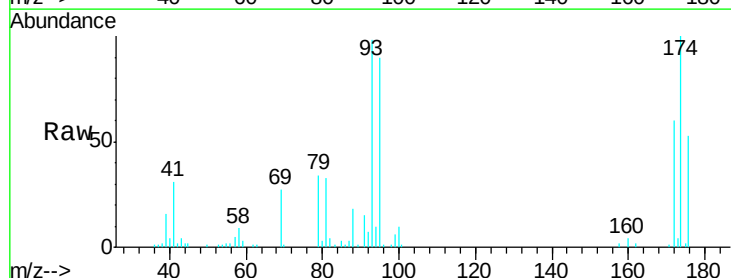
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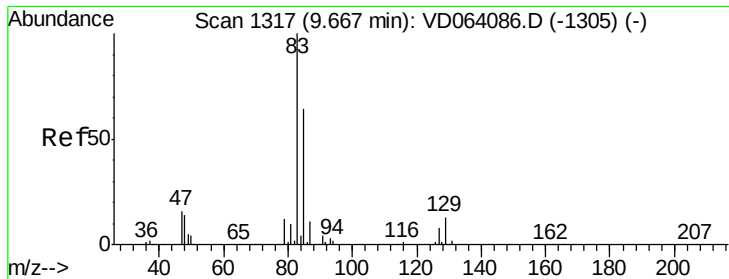
MMDadoda
 10/31/2019 3:39:11 PM



#46
 Dibromomethane
 Concen: 49.989 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion: 93 Resp: 62048
 Ion Ratio Lower Upper
 93 100
 95 87.0 67.4 101.2
 174 108.0 86.4 129.6





#47

Bromodichloromethane

Concen: 52.887 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

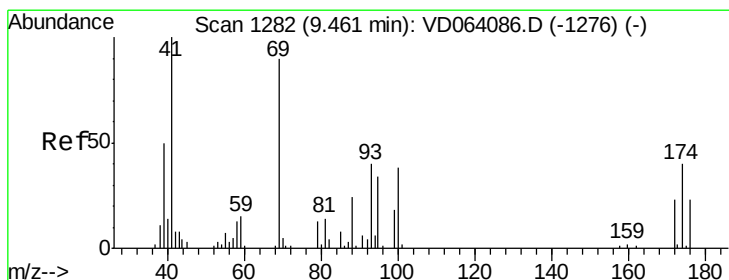
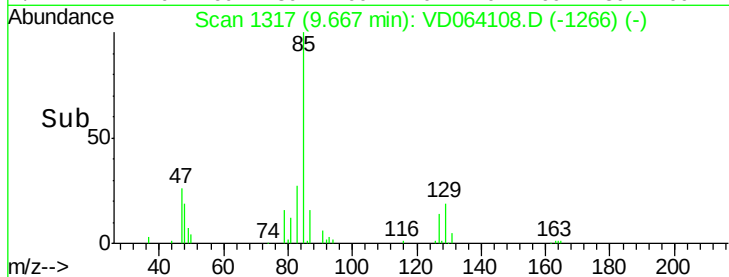
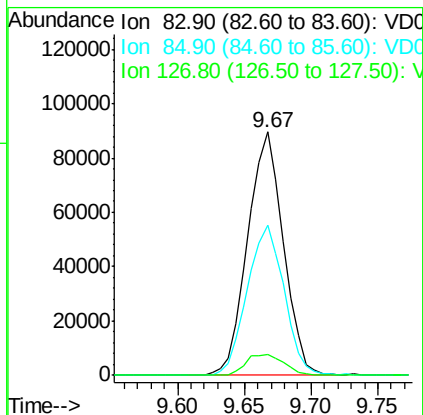
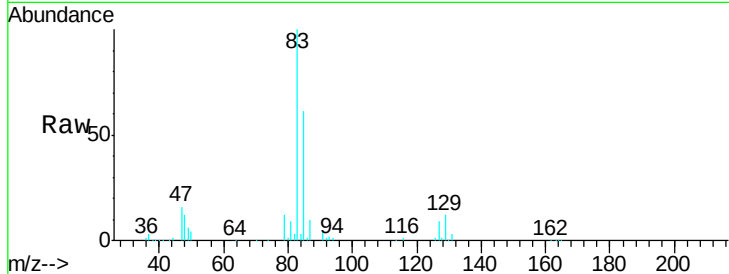
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	165606
Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.4	77.0
127	8.7	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.259 ug/l

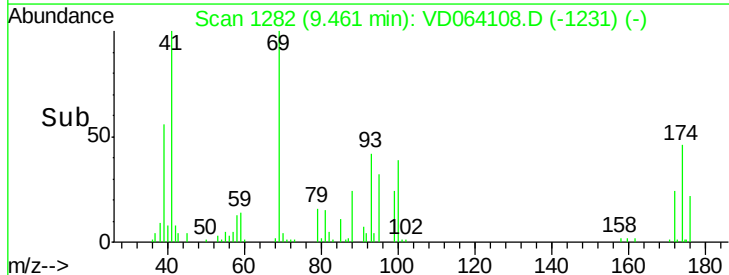
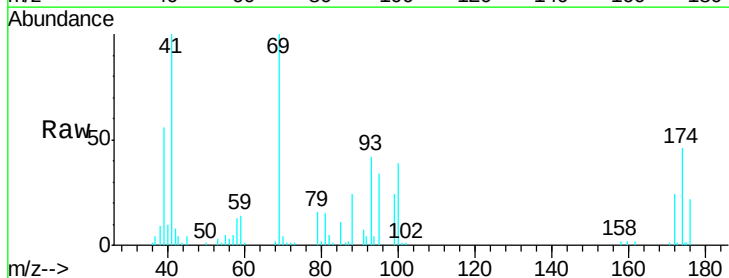
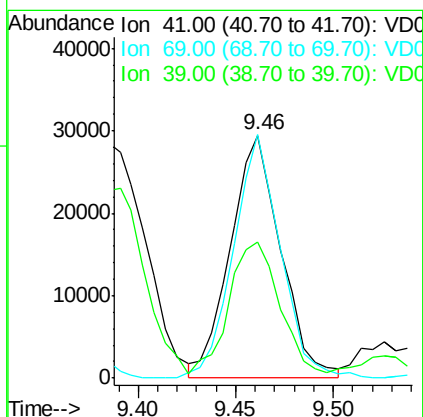
RT: 9.46 min Scan# 1282

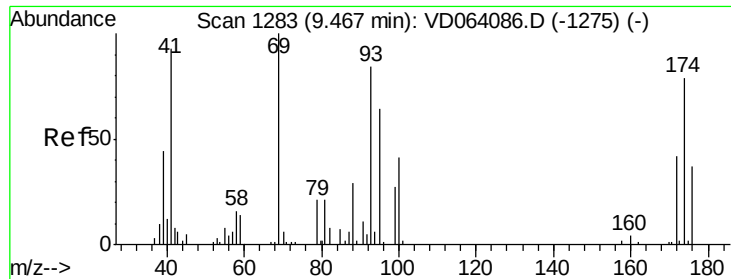
Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Tgt Ion:	41	Resp:	52776
Ion	Ratio	Lower	Upper
41	100		
69	93.4	82.6	124.0
39	58.0	47.0	70.4





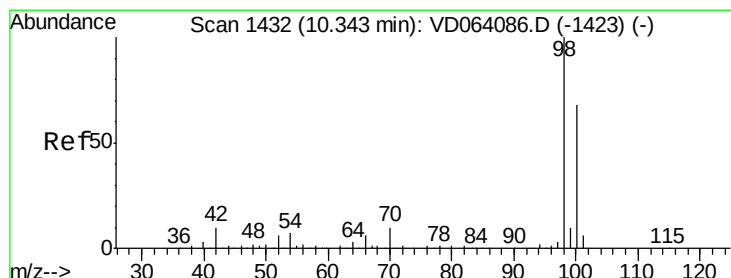
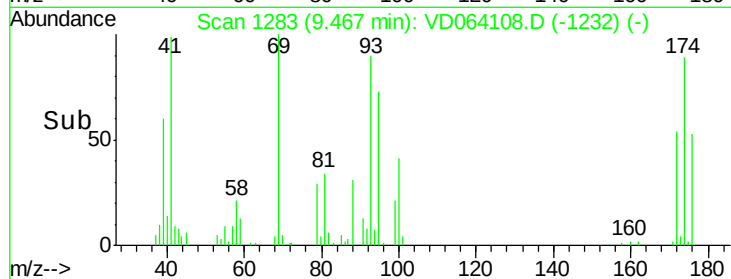
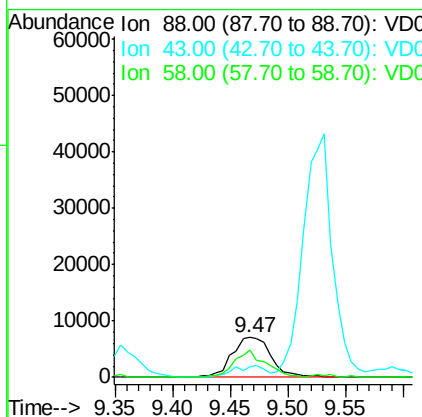
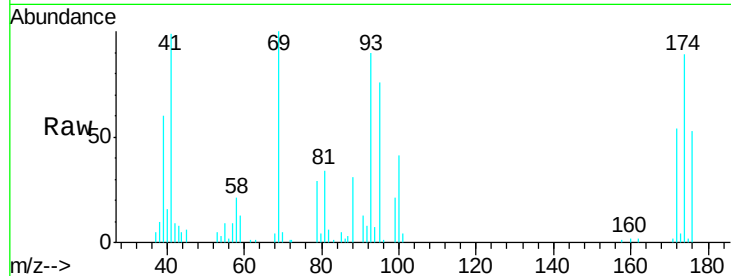
#49
1,4-Dioxane
Concen: 1175.545 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	24.1	13.4	20.0#
58	54.1	46.7	70.1

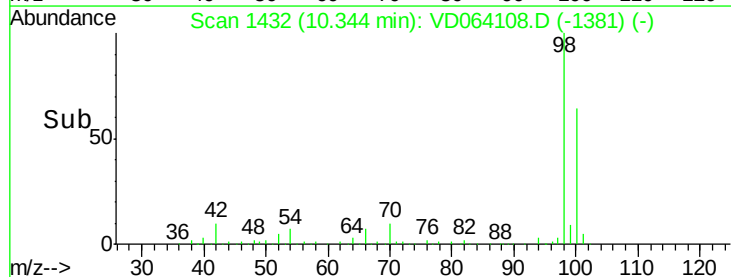
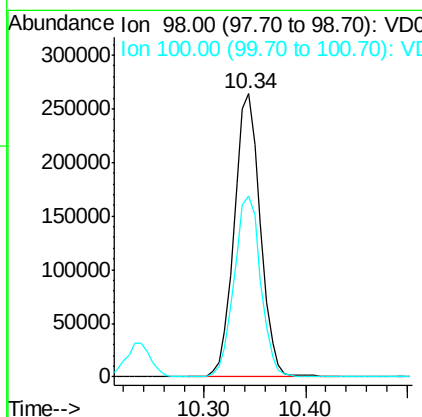
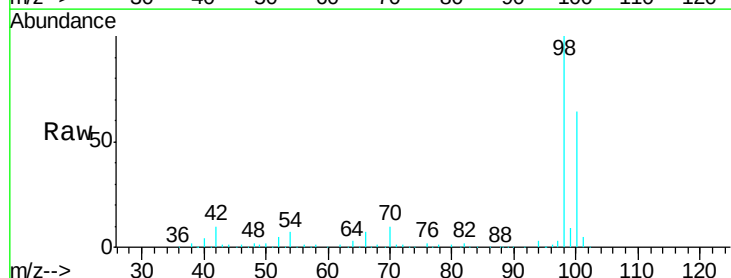
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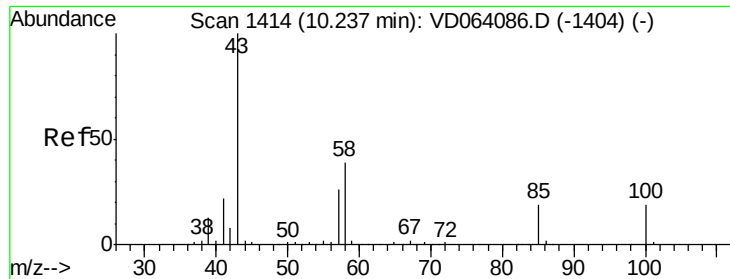
MMDadoda
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#50
Toluene-d8
Concen: 55.118 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.4	80.0





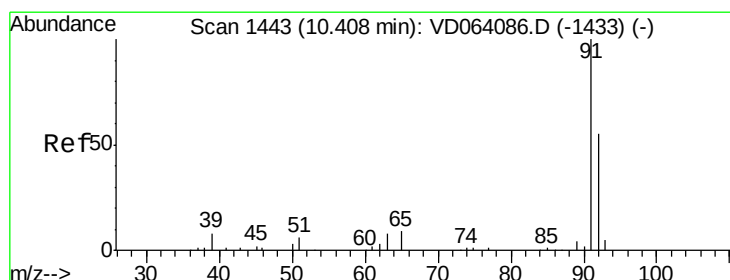
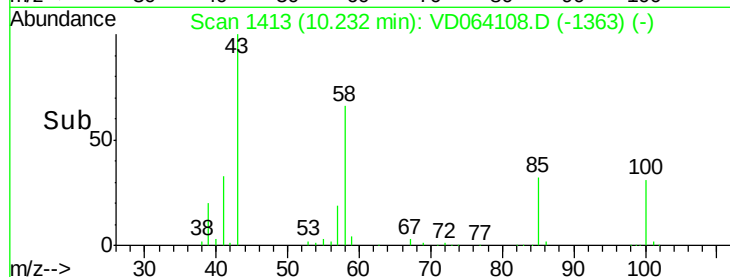
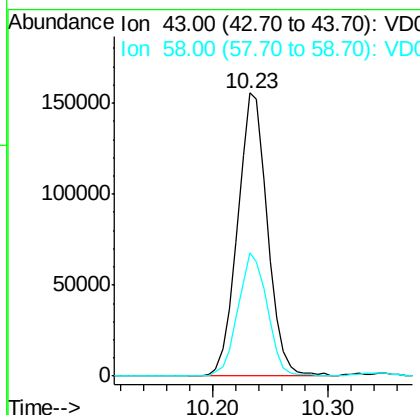
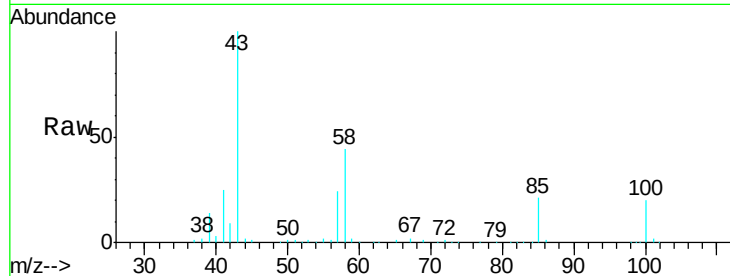
#51
4-Methyl-2-Pentanone
Concen: 252.667 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 279032
Ion Ratio Lower Upper
43 100
58 42.8 33.0 49.4

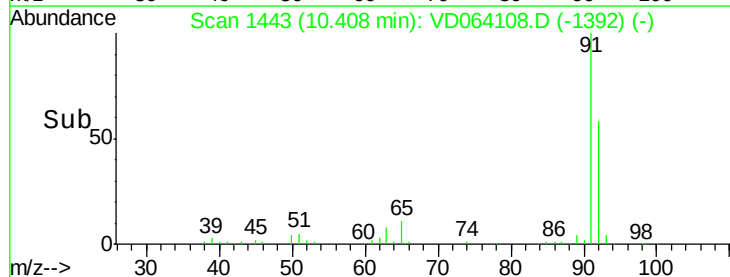
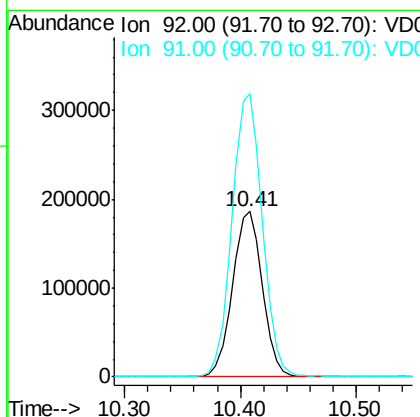
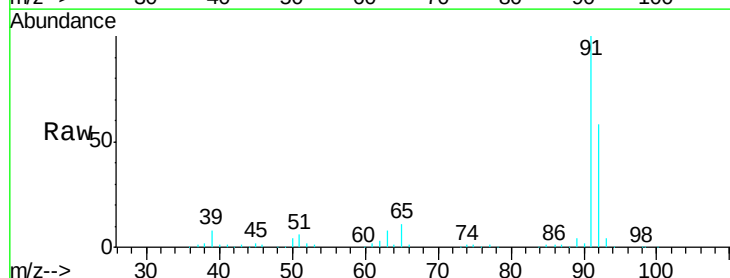
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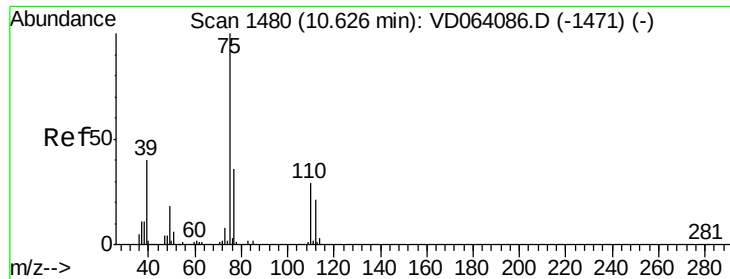
MMDadoda
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#52
Toluene
Concen: 53.505 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion: 92 Resp: 333450
Ion Ratio Lower Upper
92 100
91 173.4 140.7 211.1





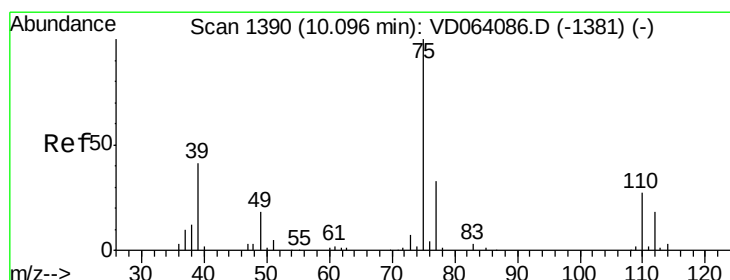
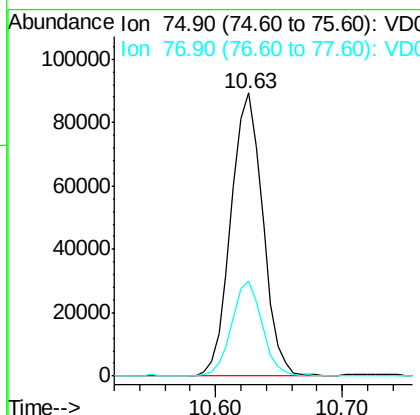
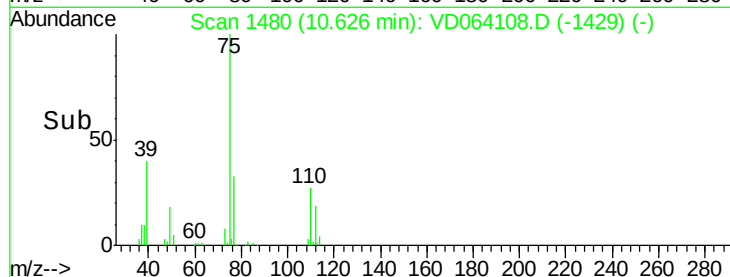
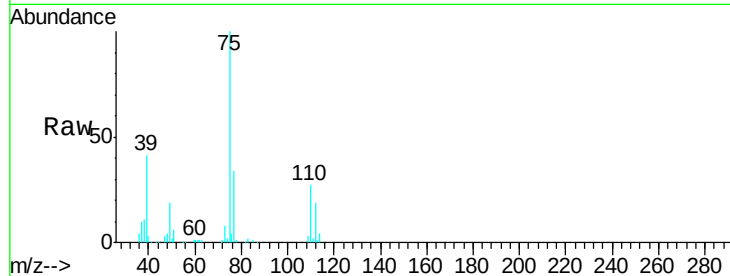
#53
t-1,3-Dichloropropene
Concen: 53.202 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 155509
Ion Ratio Lower Upper
75 100
77 33.5 28.7 43.1

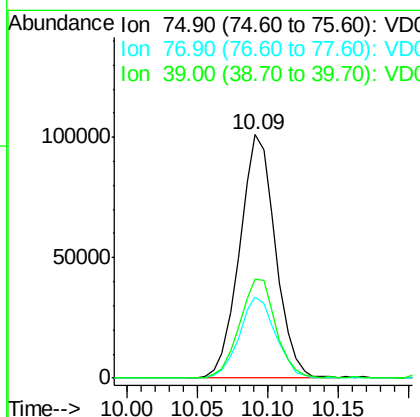
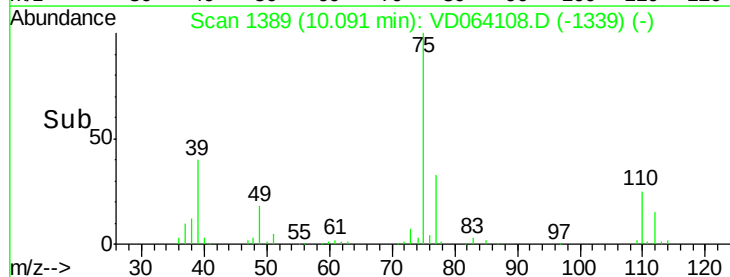
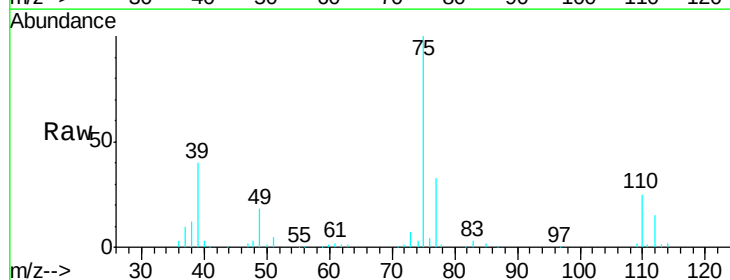
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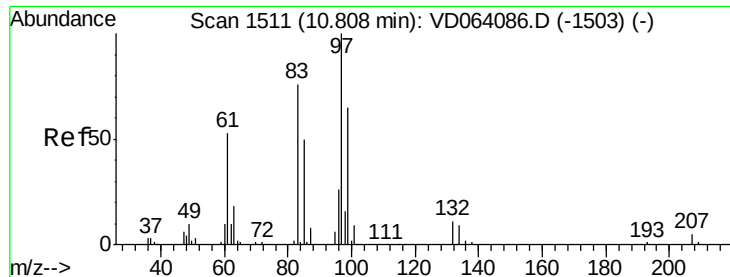
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.314 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion: 75 Resp: 179904
Ion Ratio Lower Upper
75 100
77 33.2 26.8 40.2
39 40.4 32.7 49.1





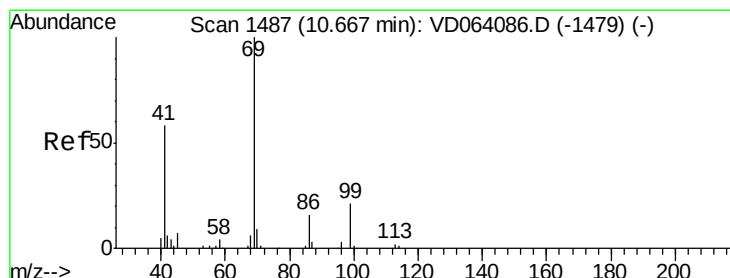
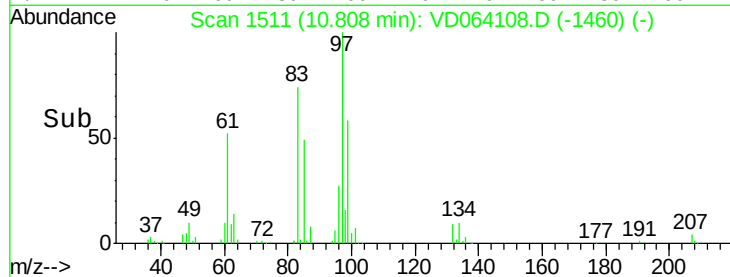
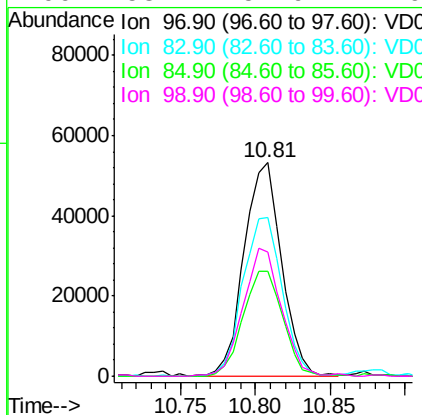
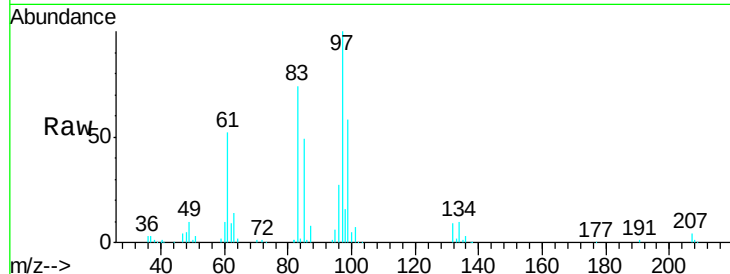
#55
 1,1,2-Trichloroethane
 Concen: 52.877 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	93052		
83	74.1	60.9	91.3	
85	49.1	40.2	60.2	
99	58.4	51.9	77.9	

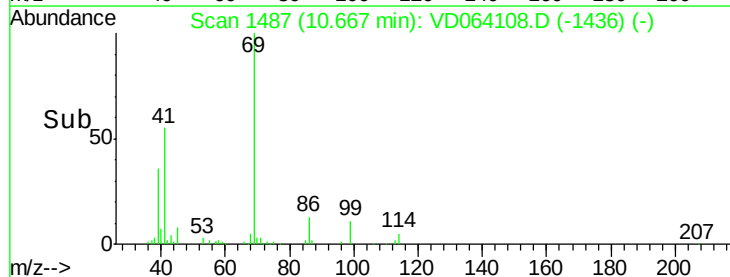
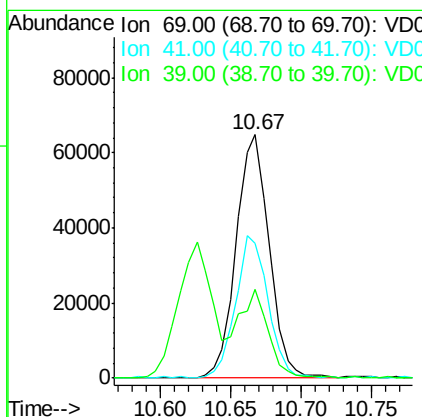
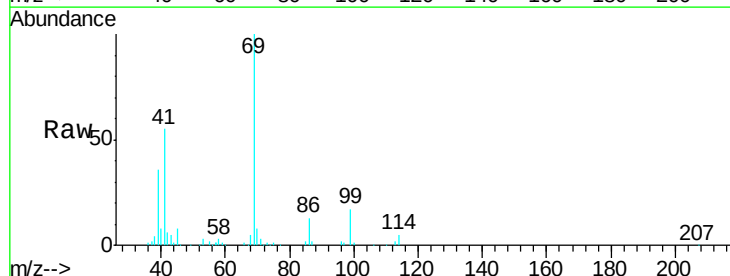
Manual Integrations
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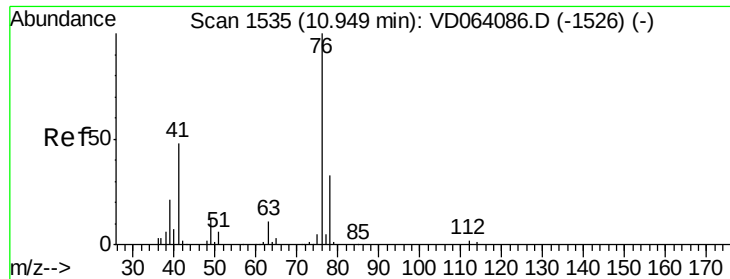
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#56
 Ethyl methacrylate
 Concen: 49.716 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	106299		
41	57.8	46.9	70.3	
39	30.0	27.3	40.9	





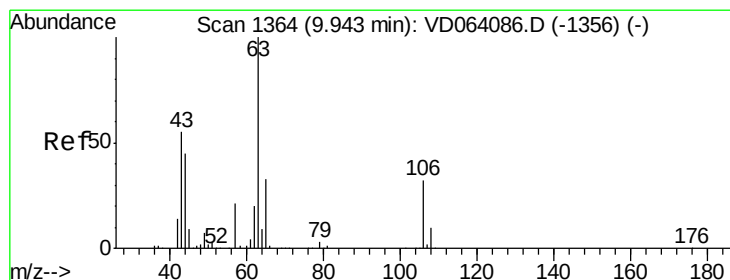
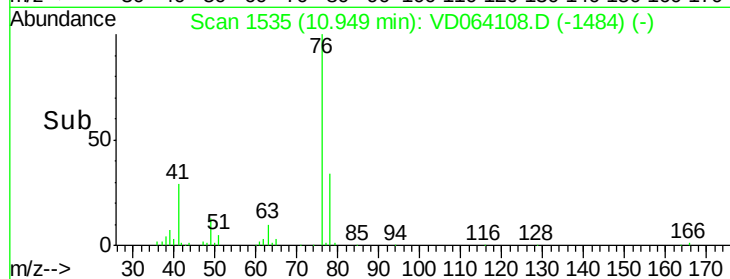
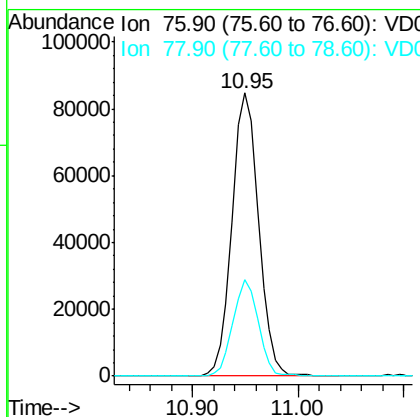
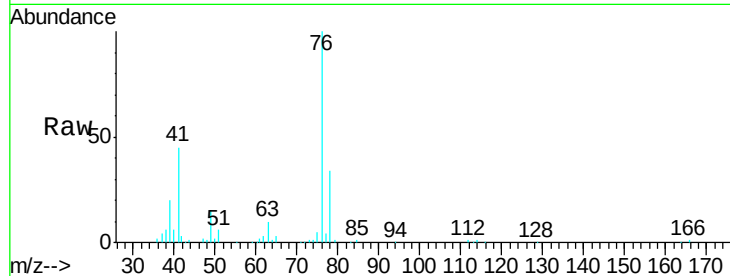
#57
 1,3-Dichloropropane
 Concen: 50.678 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 147493
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9

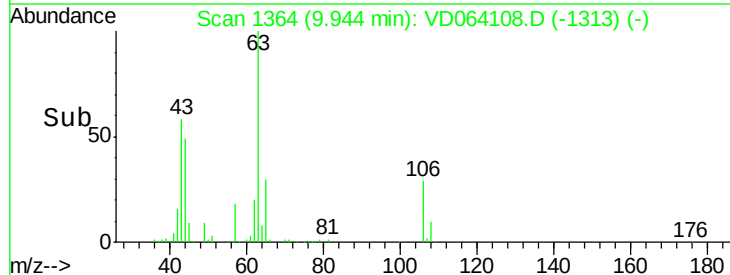
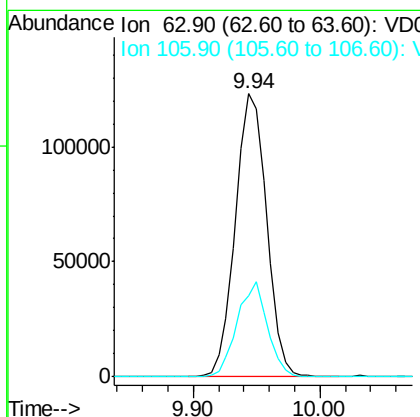
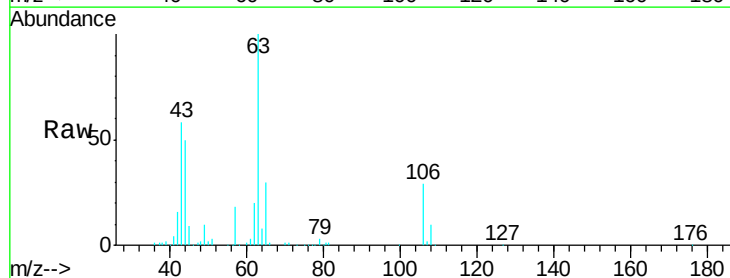
Manual Integrations
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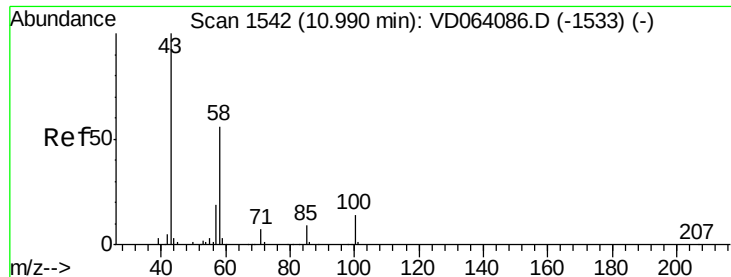
MMDadoda
 10/31/2019 3:39:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.385 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion: 63 Resp: 210773
 Ion Ratio Lower Upper
 63 100
 106 32.5 25.8 38.8





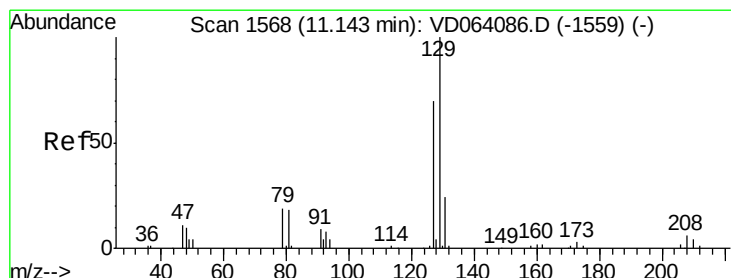
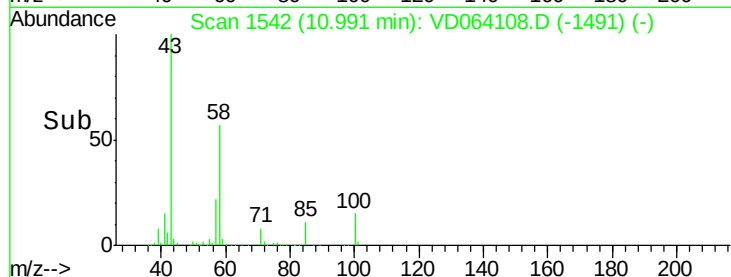
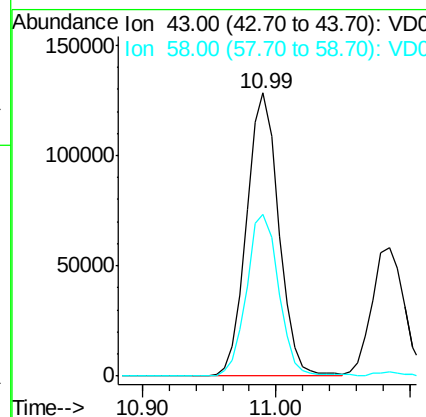
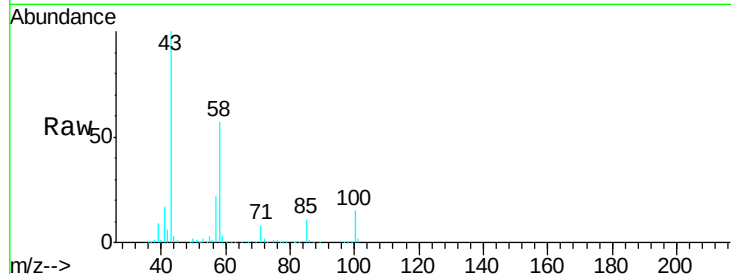
#59
2-Hexanone
Concen: 246.308 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 213106
Ion Ratio Lower Upper
43 100
58 57.2 29.2 87.6

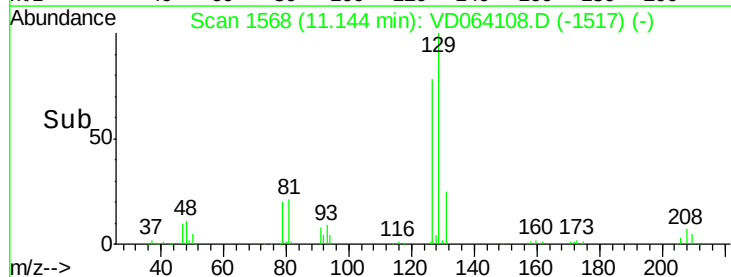
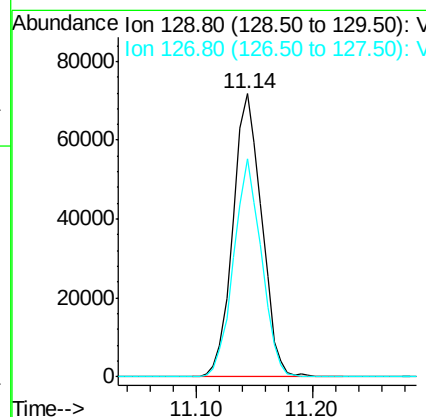
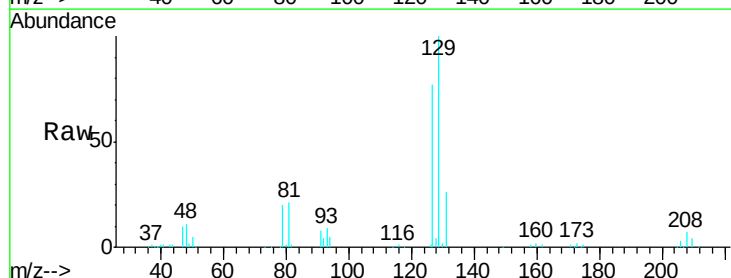
Manual Integrations
APPROVED

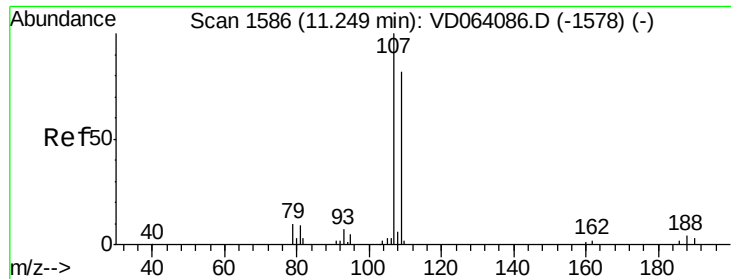
MMDadoda
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#60
Dibromochloromethane
Concen: 51.859 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion: 129 Resp: 123867
Ion Ratio Lower Upper
129 100
127 74.5 38.3 114.8





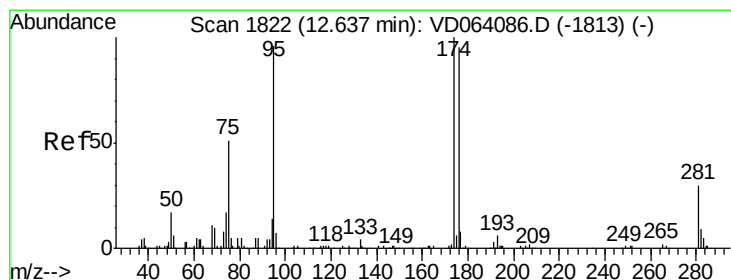
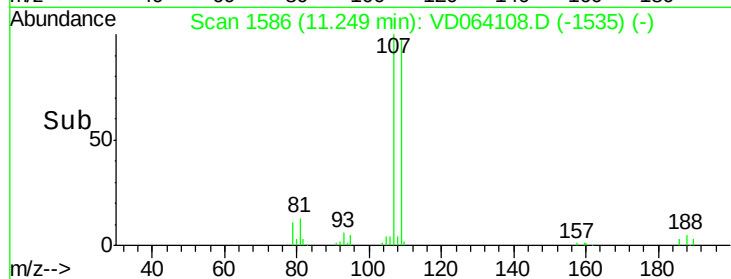
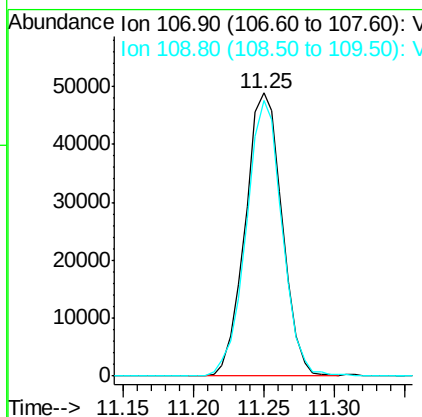
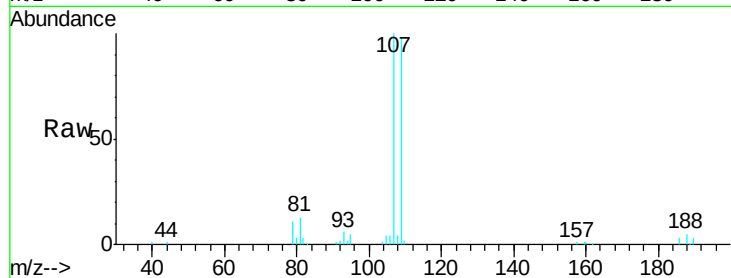
#61
1,2-Dibromoethane
Concen: 50.864 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 107 Resp: 89524
Ion Ratio Lower Upper
107 100
109 95.0 73.0 109.4

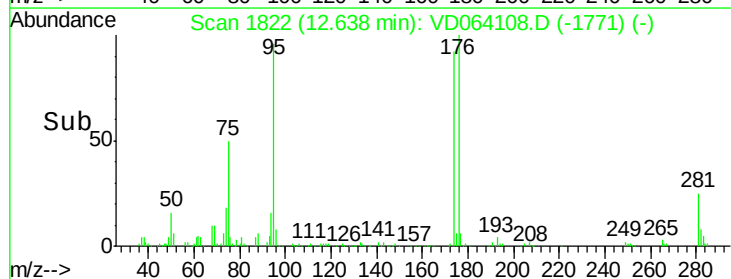
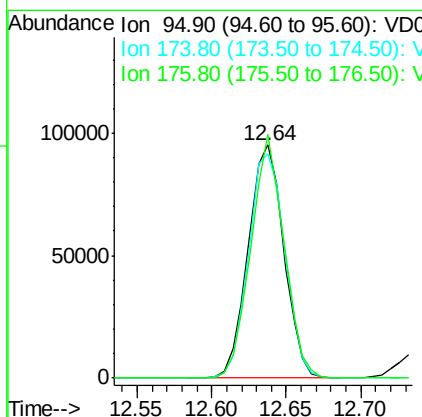
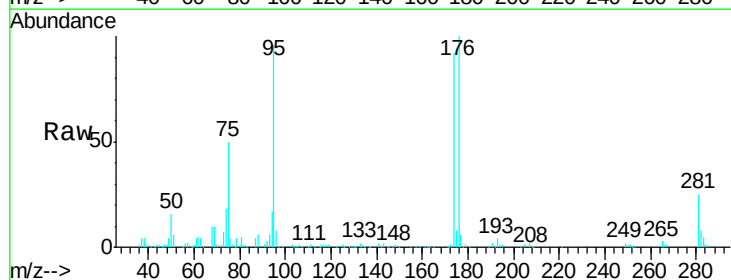
Manual Integrations
APPROVED

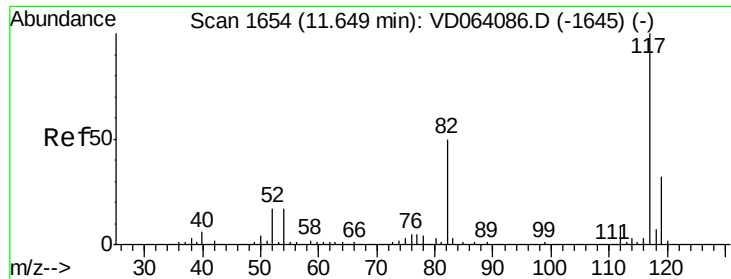
MMDadoda
10/31/2019 3:39:11 PM



#62
4-Bromofluorobenzene
Concen: 55.172 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion: 95 Resp: 156623
Ion Ratio Lower Upper
95 100
174 98.3 0.0 201.6
176 97.2 0.0 192.6





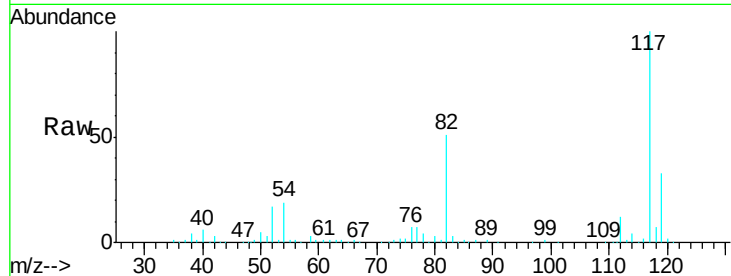
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	340930		
82	50.8	40.2	60.4	
119	32.7	26.0	39.0	

Manual Integrations
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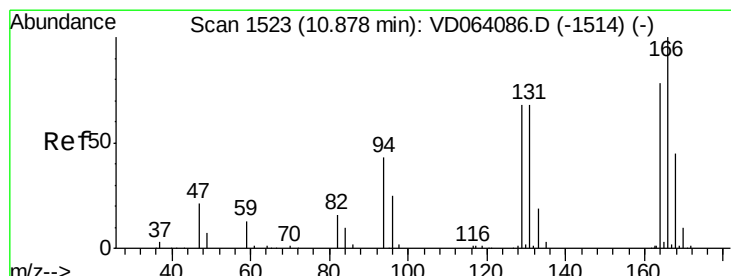
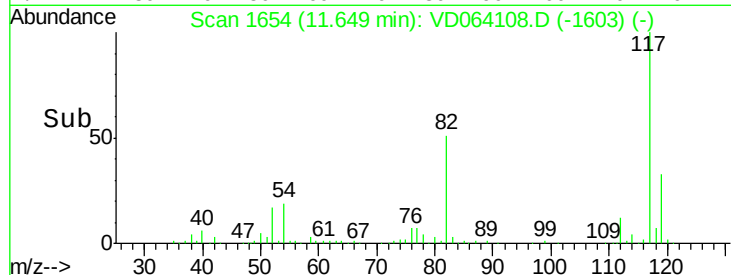
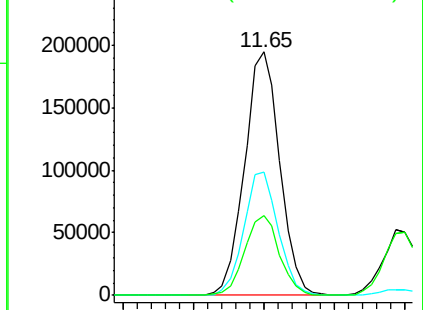


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 54.937 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	134556		
166	118.2	102.7	154.1	
129	88.2	69.8	104.6	
131	81.0	69.4	104.0	

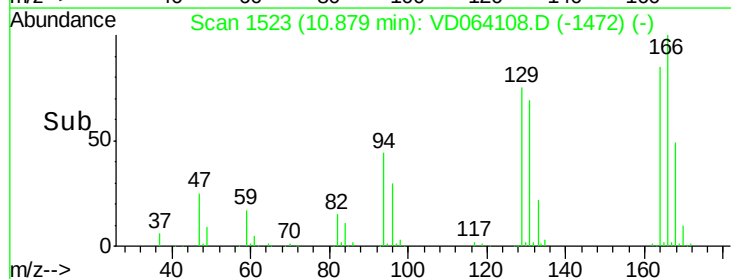
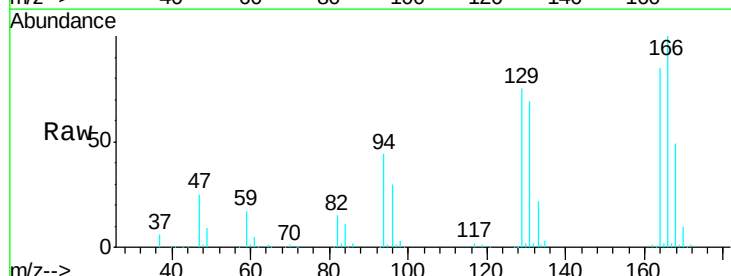
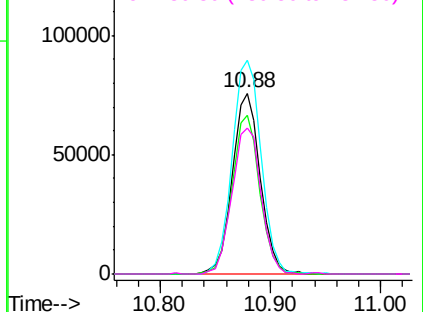
Abundance

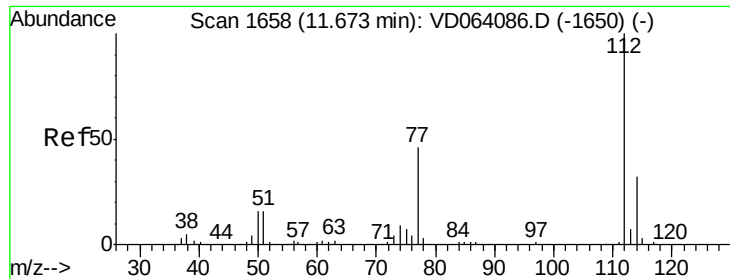
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





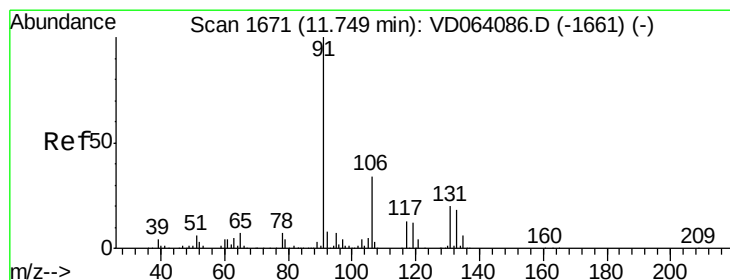
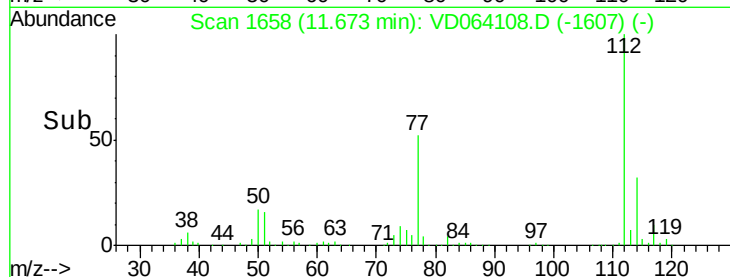
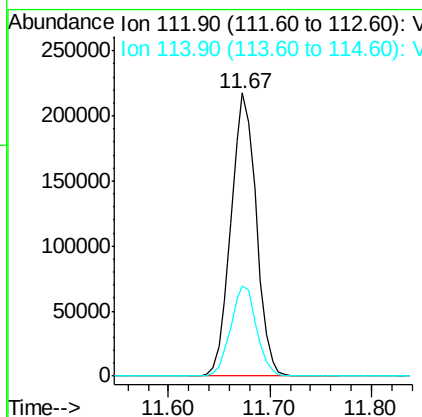
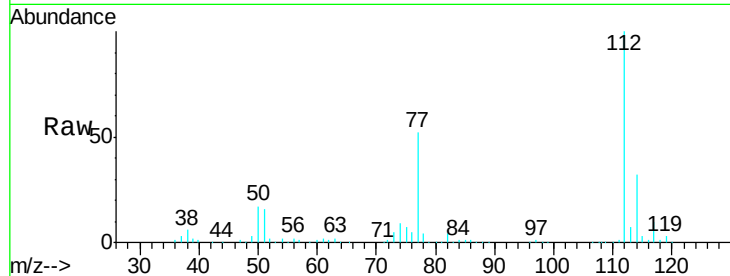
#65
Chlorobenzene
Concen: 53.446 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 376498
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

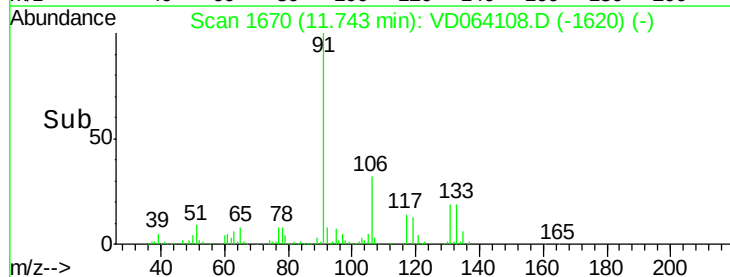
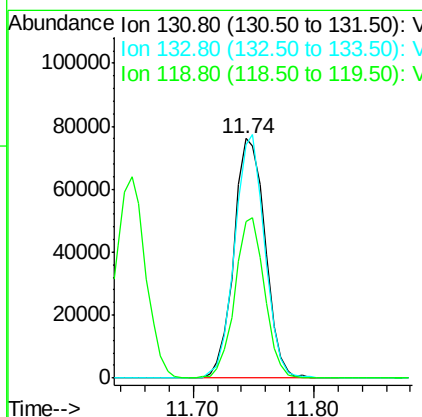
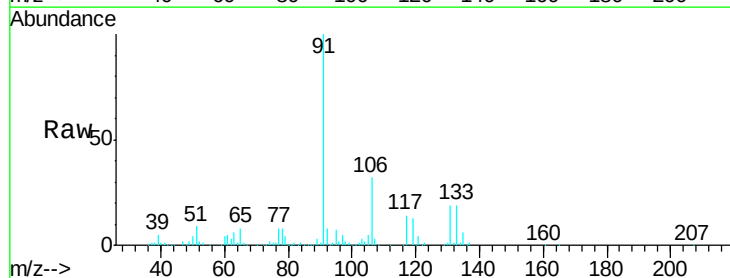
Manual Integrations
APPROVED

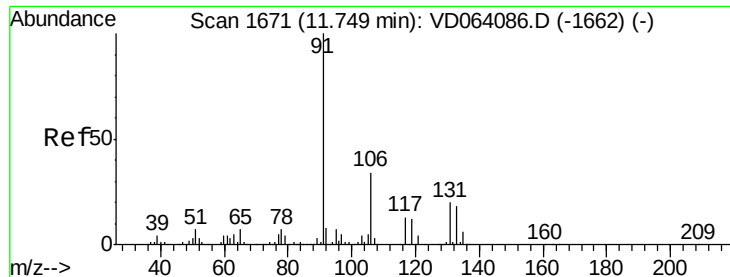
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.439 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion:131 Resp: 138222
Ion Ratio Lower Upper
131 100
133 96.8 47.6 142.9
119 63.3 31.4 94.3





#67

Ethyl Benzene

Concen: 54.624 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 684420

Ion Ratio Lower Upper

91 100

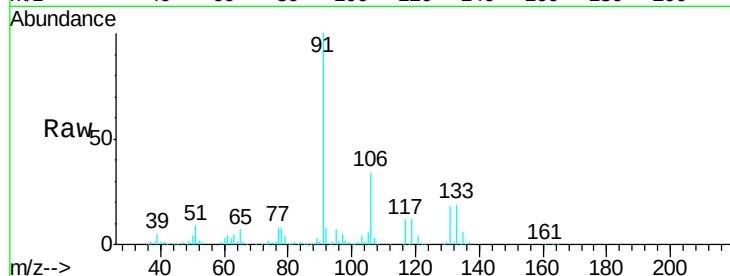
106 33.8 27.0 40.6

Manual Integrations

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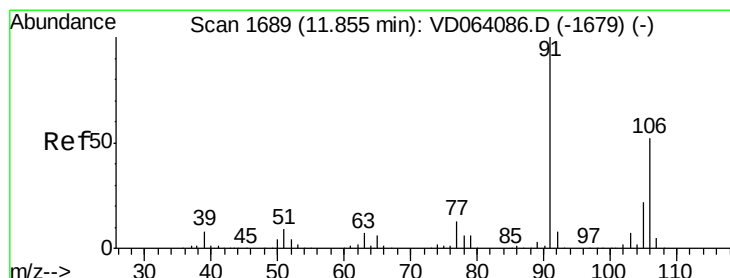
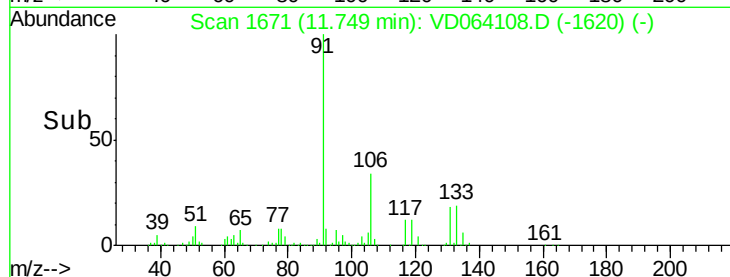
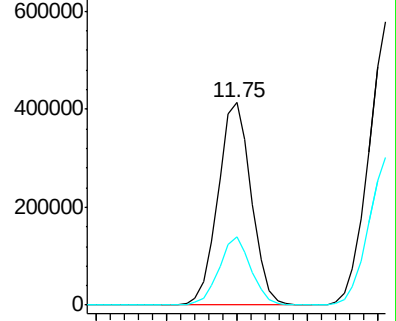
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 109.521 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064108.D

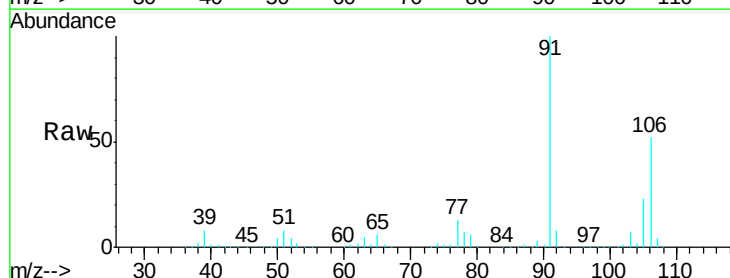
Acq: 30 Oct 2019 11:45

Tgt Ion: 106 Resp: 551957

Ion Ratio Lower Upper

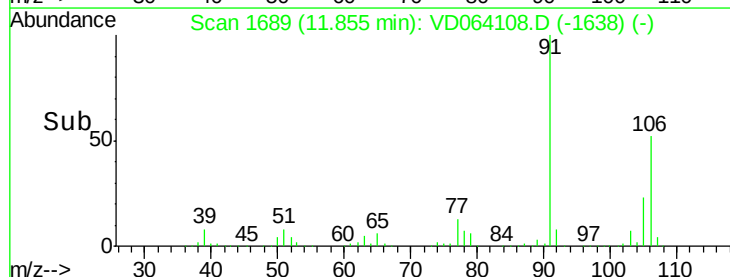
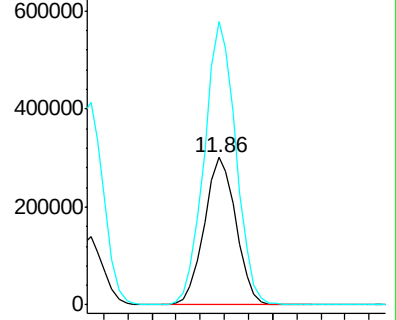
106 100

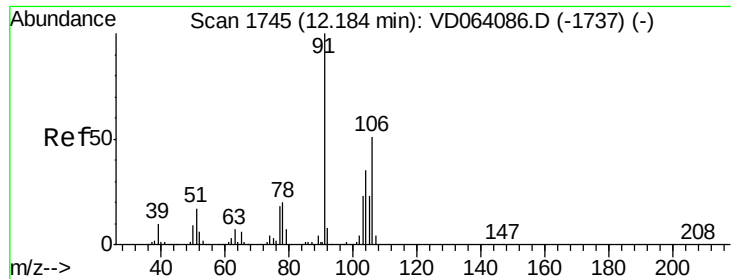
91 190.9 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





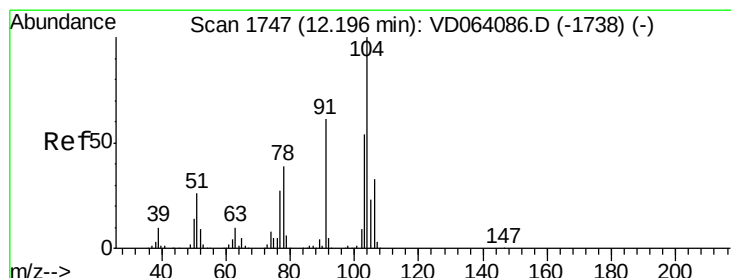
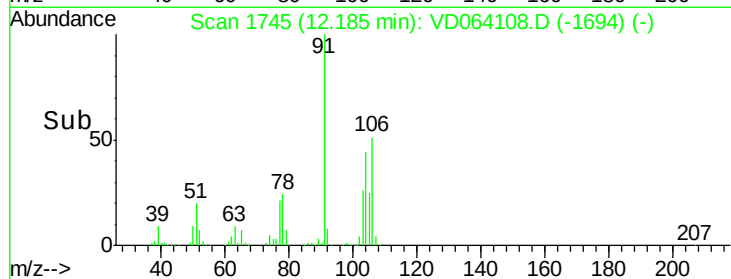
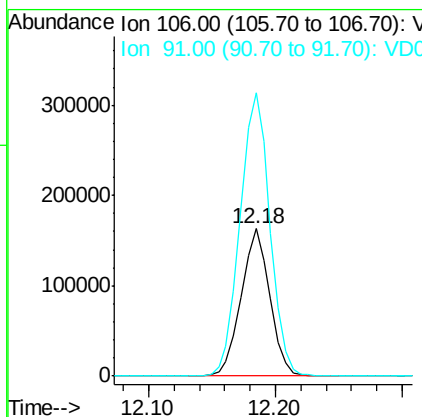
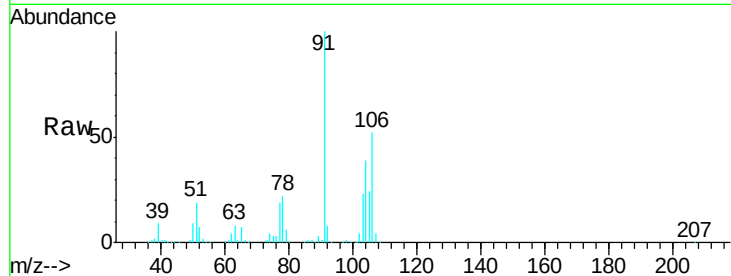
#69
o-Xylene
Concen: 55.524 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 255378
Ion Ratio Lower Upper
106 100
91 200.4 100.6 301.9

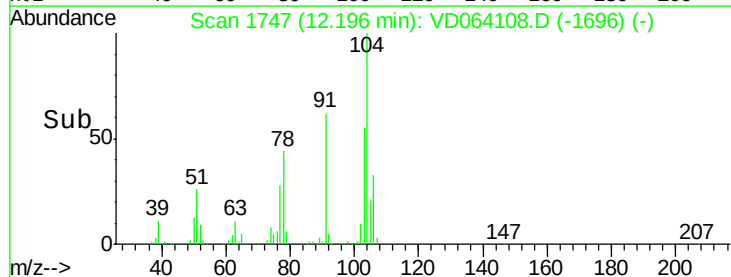
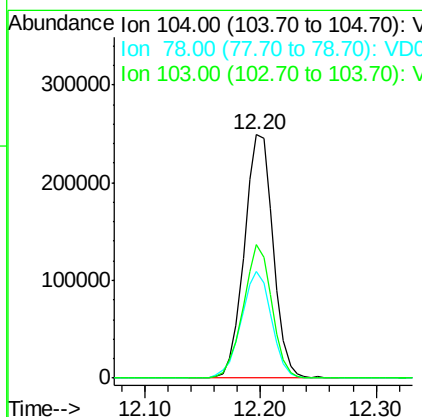
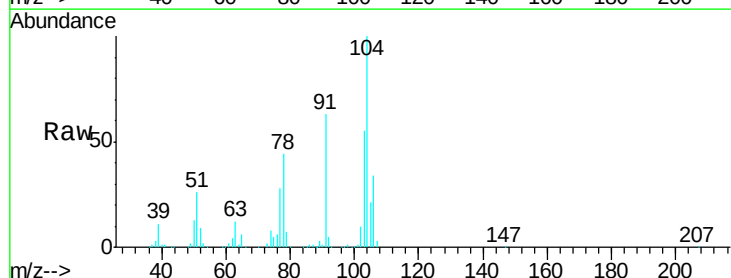
Manual Integrations
APPROVED

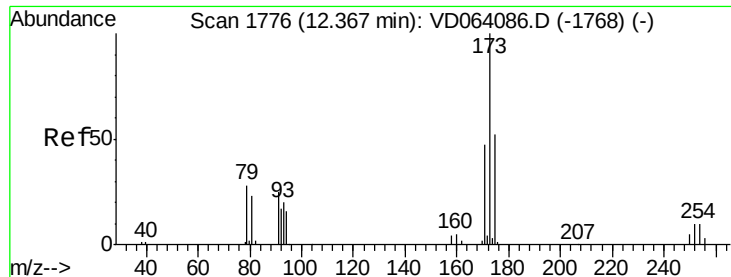
MMDadoda
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#70
Styrene
Concen: 54.424 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion:104 Resp: 431722
Ion Ratio Lower Upper
104 100
78 45.6 34.6 51.8
103 54.5 44.2 66.2





#71

Bromoform

Concen: 53.206 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

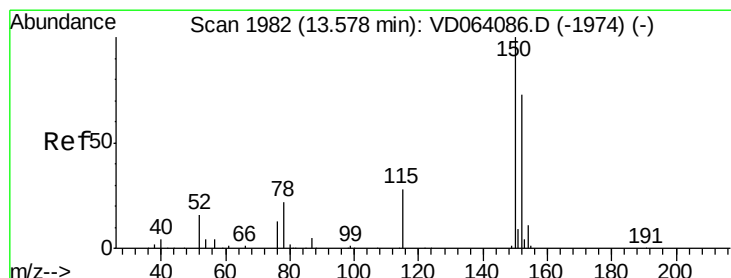
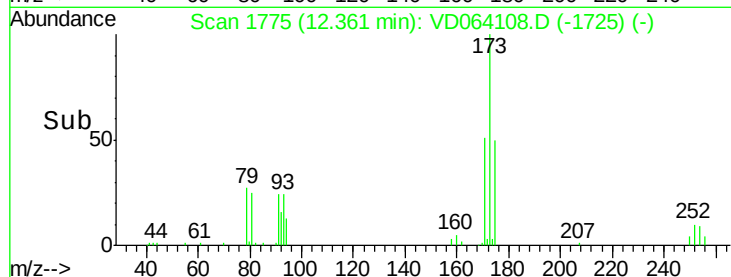
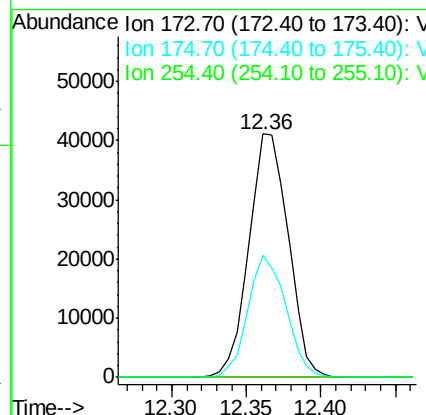
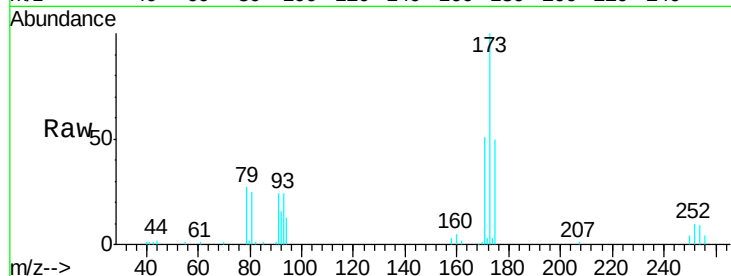
ClientSampleId :

VSTDCCC050

Tgt Ion:	173	Resp:	74900
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.3	72.9
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

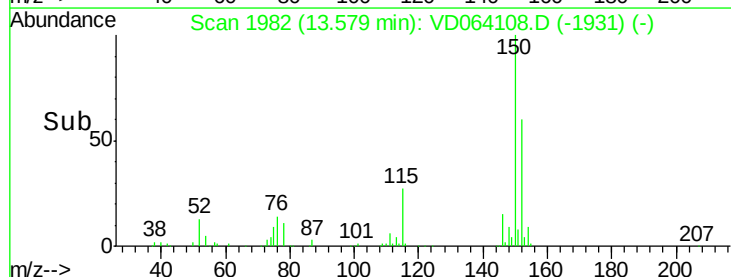
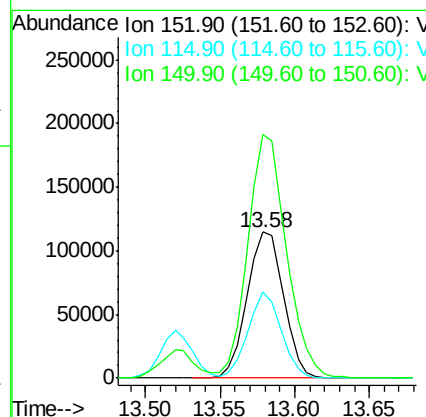
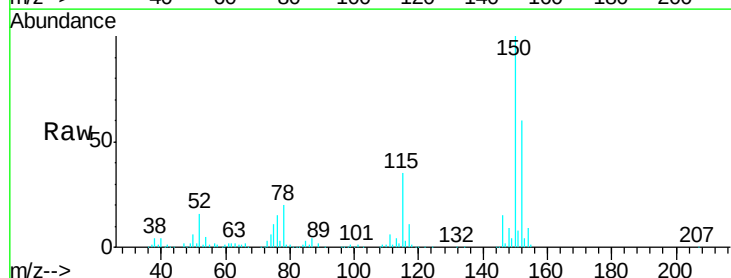
RT: 13.58 min Scan# 1982

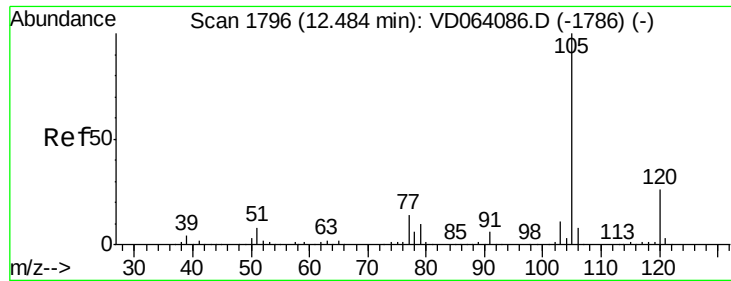
Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Tgt Ion:	152	Resp:	193537
Ion Ratio	Lower	Upper	
152	100		
115	53.5	26.2	78.6
150	177.0	0.0	338.8





#73

Isopropylbenzene

Concen: 52.807 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 710193

Ion Ratio Lower Upper

105 100

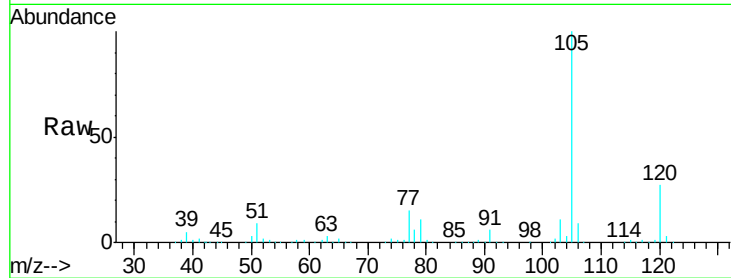
120 27.2 13.3 39.9

Manual Integrations

APPROVED

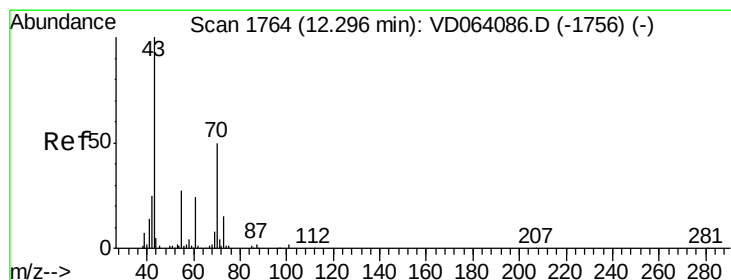
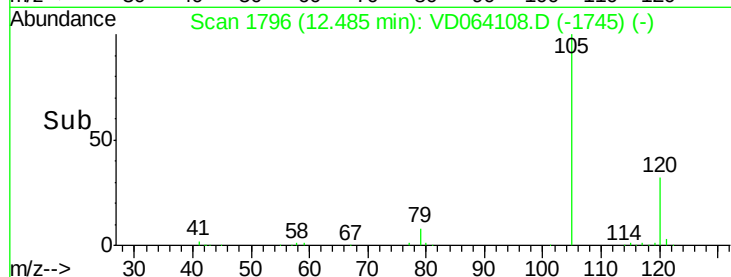
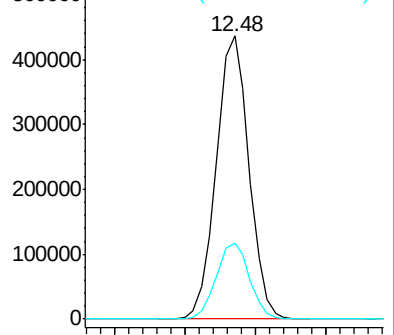
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.958 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Tgt Ion: 43 Resp: 113854

Ion Ratio Lower Upper

43 100

70 48.7 38.6 58.0

55 26.4 20.4 30.6

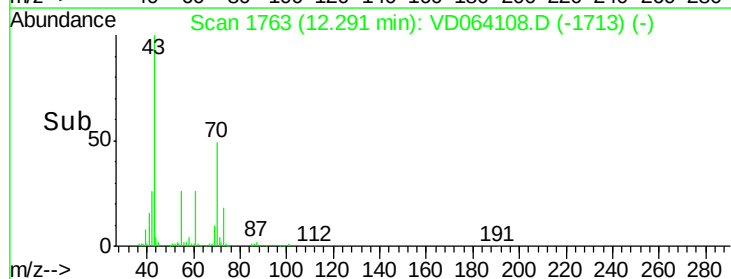
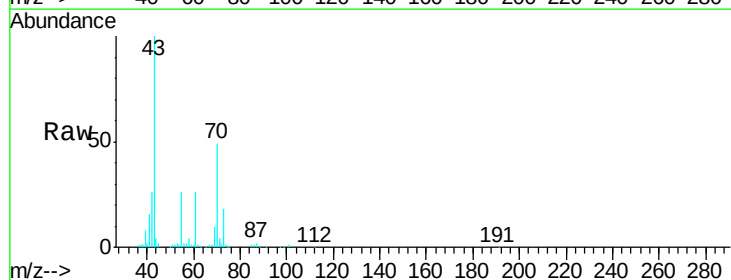
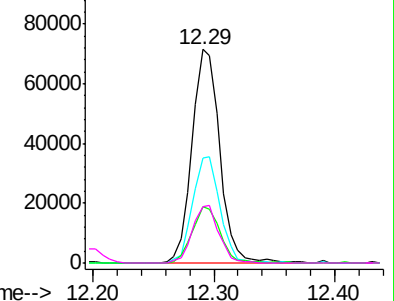
61 25.8 20.8 31.2

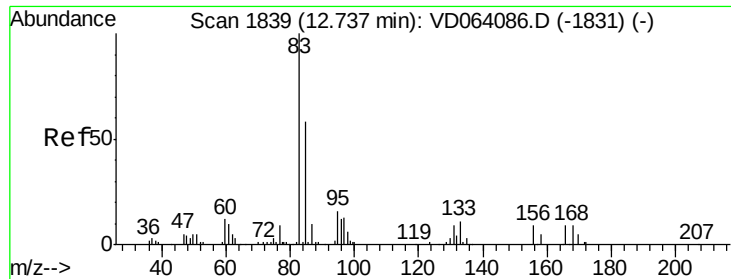
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.228 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

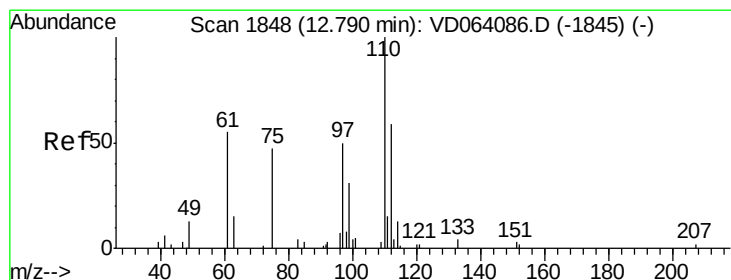
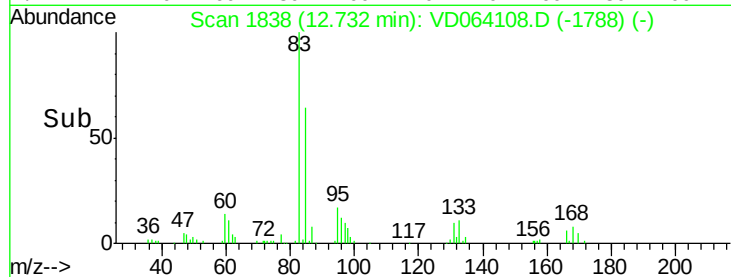
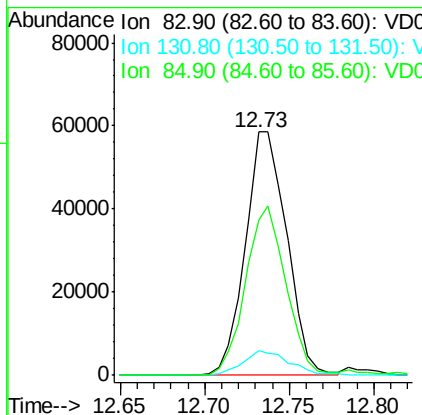
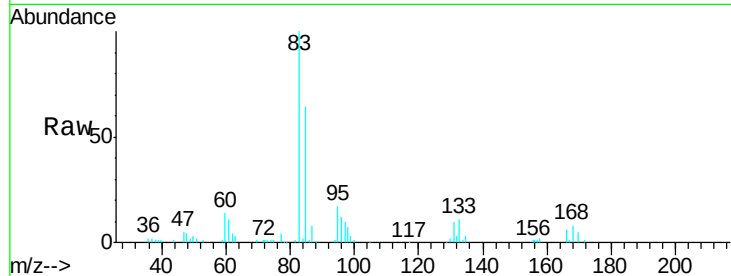
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	100116
Ion Ratio		Lower	Upper
83	100		
131	11.5	5.7	17.0
85	67.5	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 43.941 ug/l m

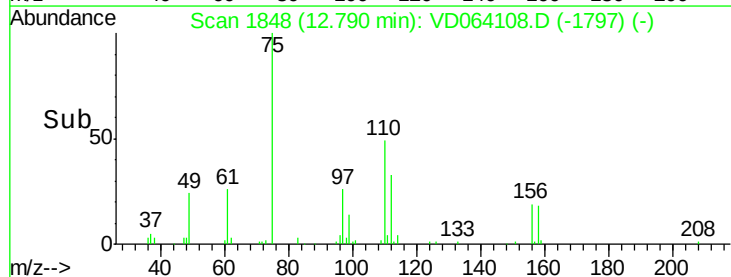
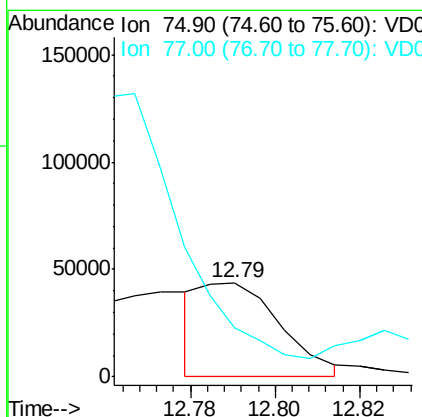
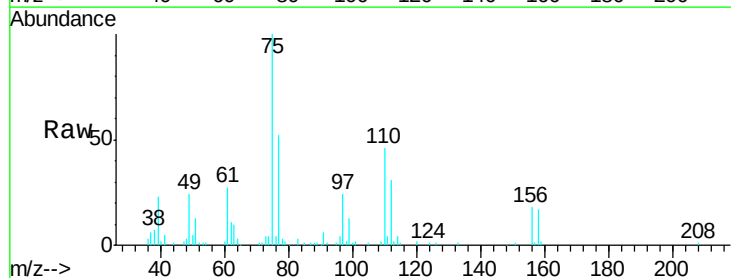
RT: 12.79 min Scan# 1848

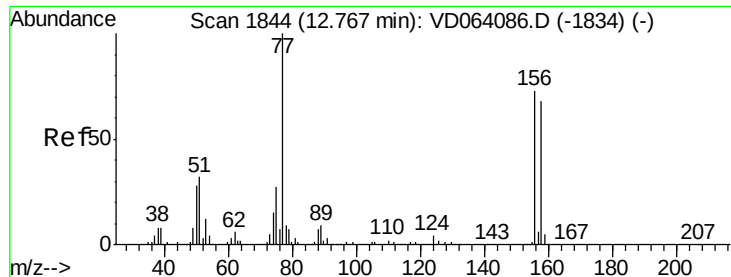
Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Tgt Ion:	75	Resp:	57143
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.294 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

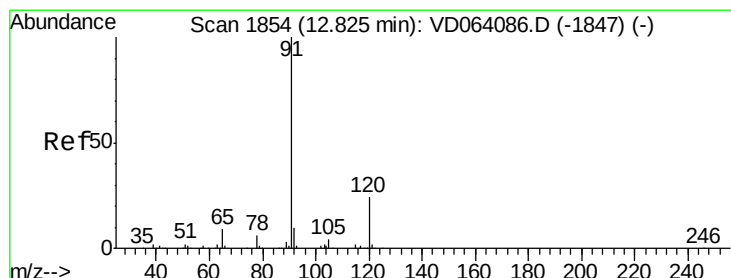
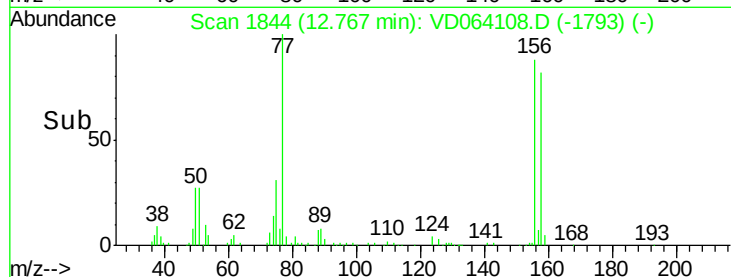
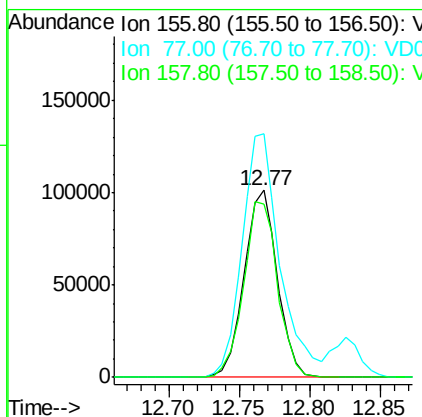
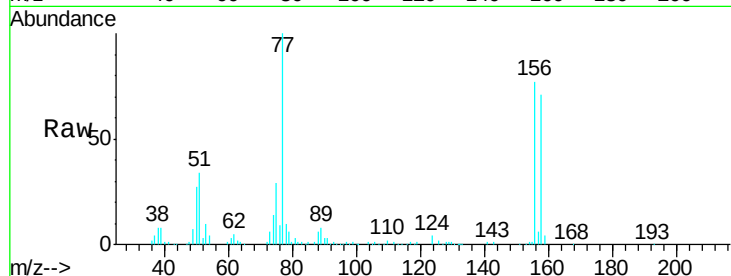
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	166558
Ion Ratio	Lower	Upper	
156	100		
77	148.7	76.0	228.0
158	96.4	47.6	142.8

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#78

n-propylbenzene

Concen: 53.820 ug/l

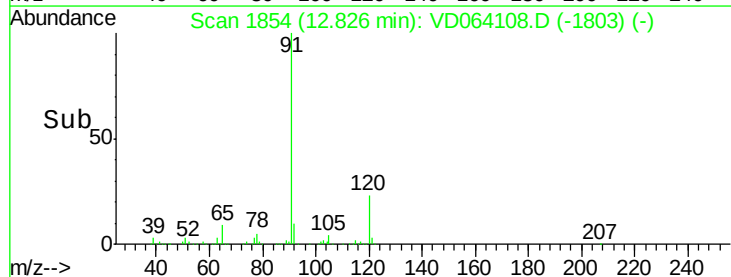
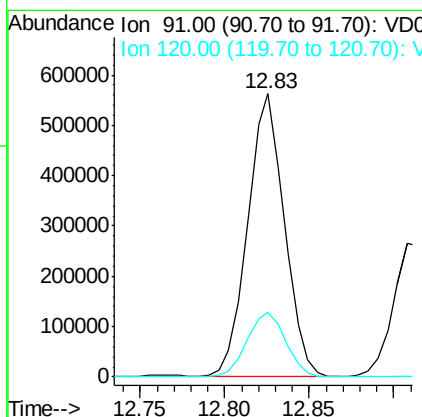
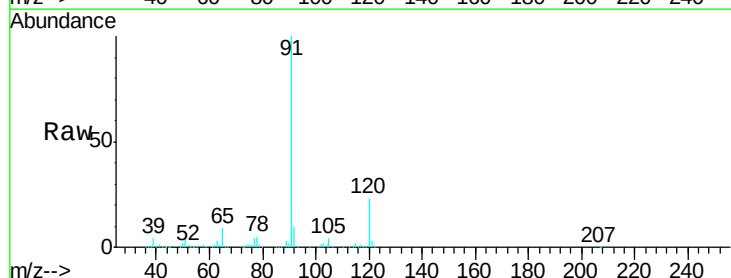
RT: 12.83 min Scan# 1854

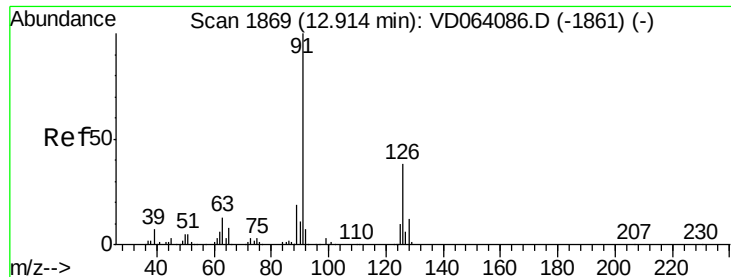
Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Tgt Ion:	91	Resp:	848232
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.1	36.3





#79

2-Chlorotoluene

Concen: 51.913 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 438584

Ion Ratio Lower Upper

91 100

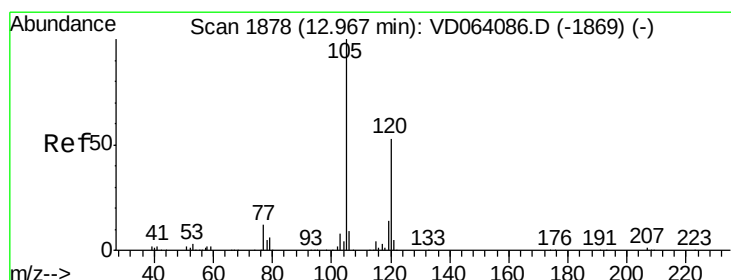
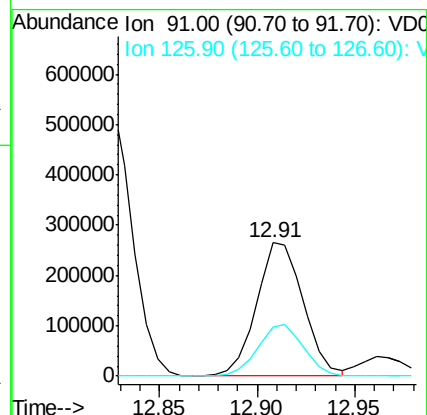
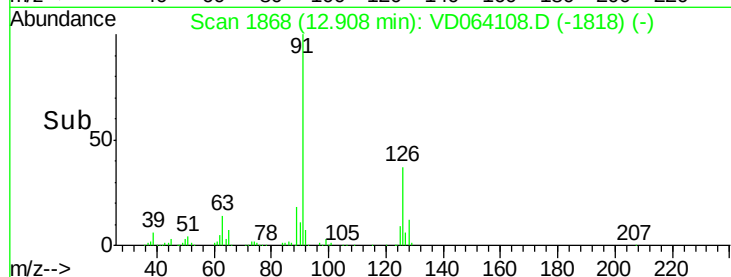
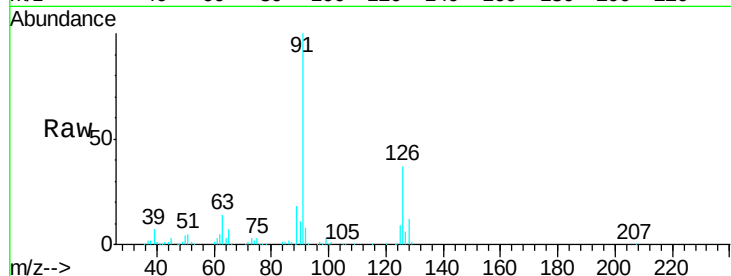
126 37.8 19.1 57.1

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#80

1,3,5-Trimethylbenzene

Concen: 53.636 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064108.D

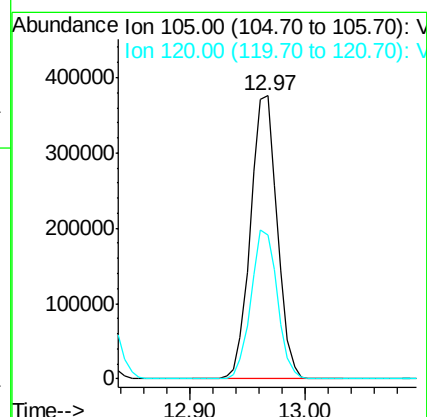
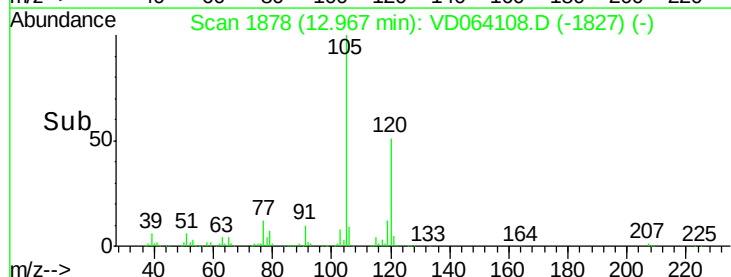
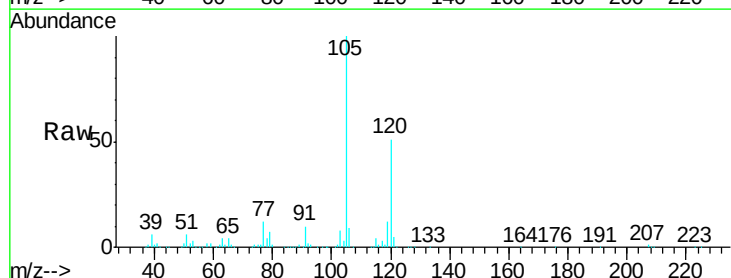
Acq: 30 Oct 2019 11:45

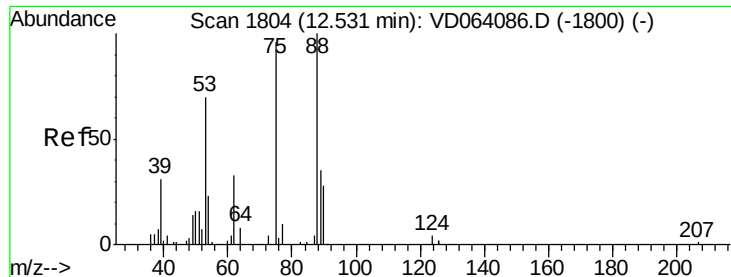
Tgt Ion: 105 Resp: 603706

Ion Ratio Lower Upper

105 100

120 52.1 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 50.616 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

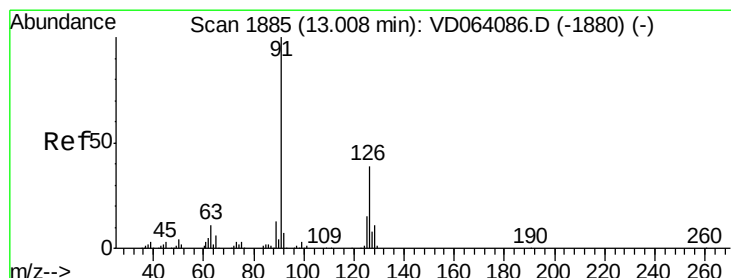
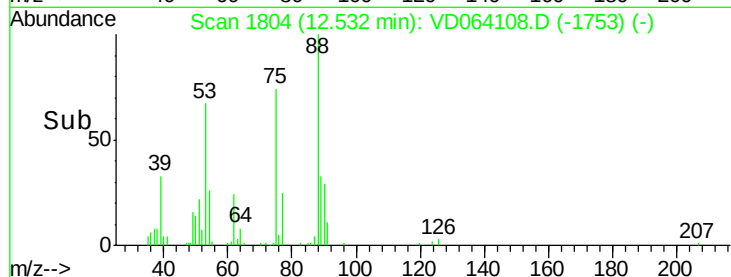
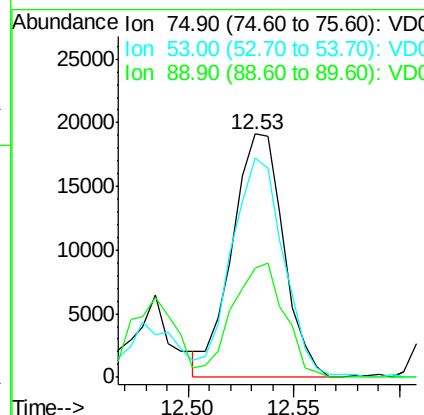
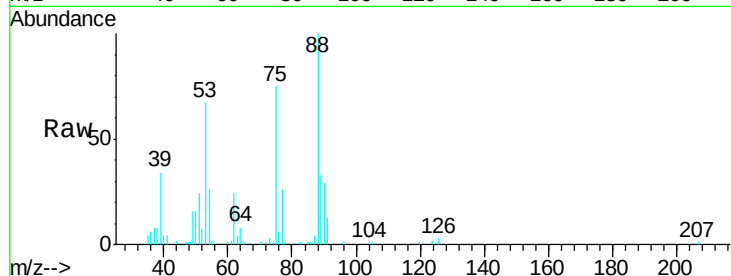
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	32231
Ion Ratio	Lower	Upper	
75	100		
53	91.9	68.6	103.0
89	47.7	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.841 ug/l

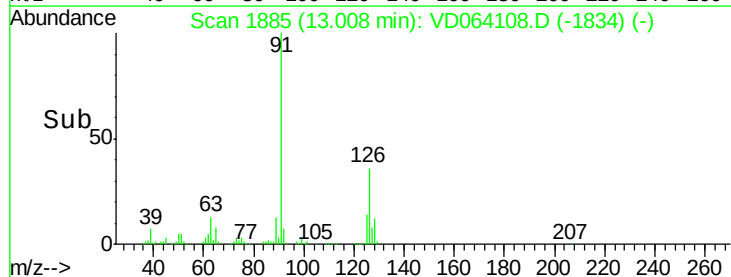
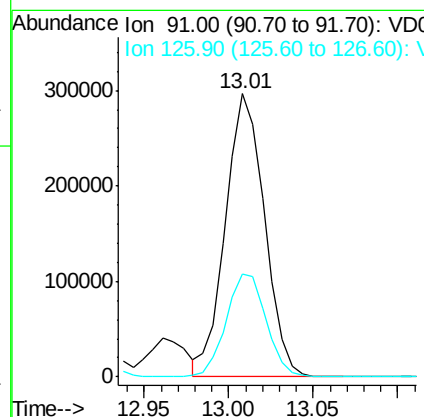
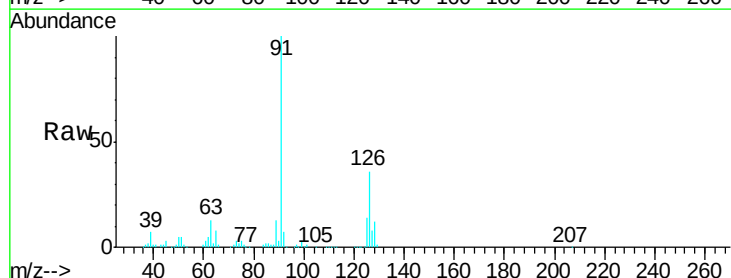
RT: 13.01 min Scan# 1885

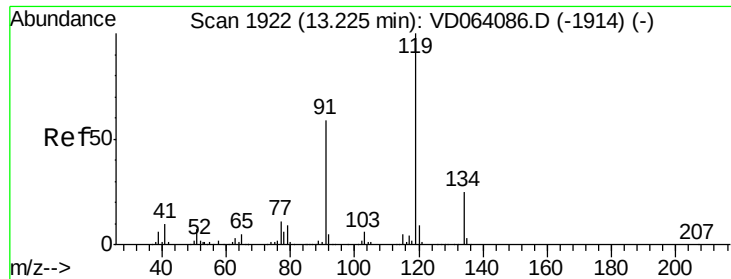
Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Tgt Ion:	91	Resp:	477017
Ion Ratio	Lower	Upper	
91	100		
126	37.1	18.9	56.5





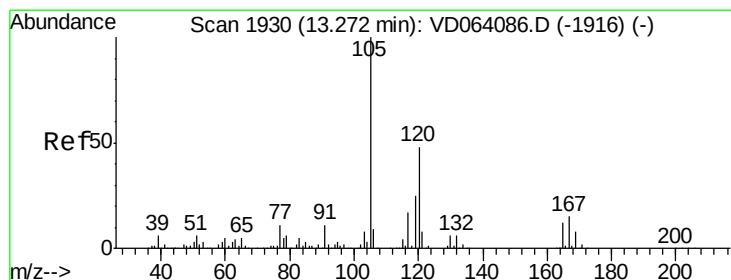
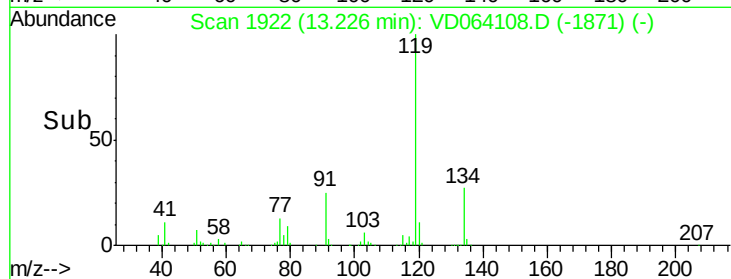
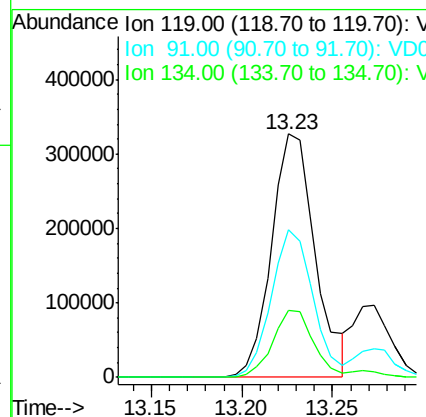
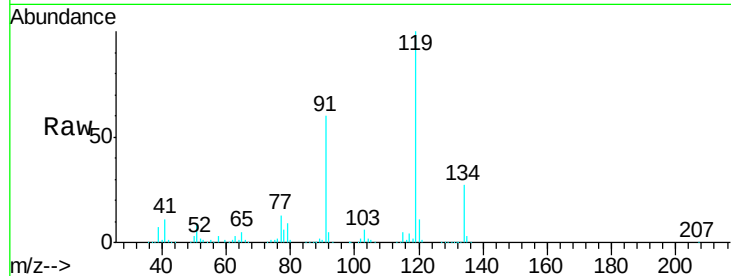
#83
 tert-Butylbenzene
 Concen: 54.314 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	549093		
91	57.7	28.3	85.0	
134	27.6	12.9	38.6	

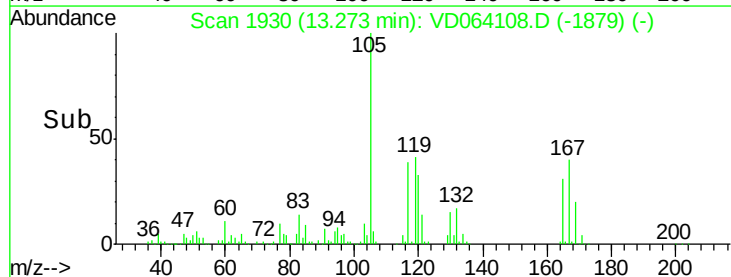
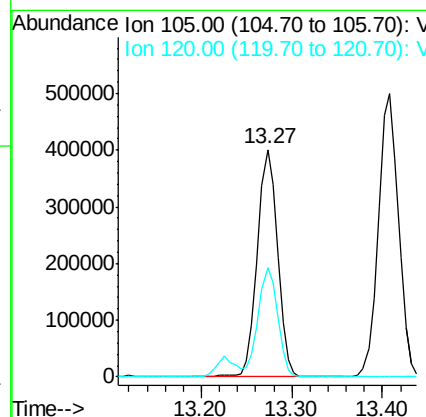
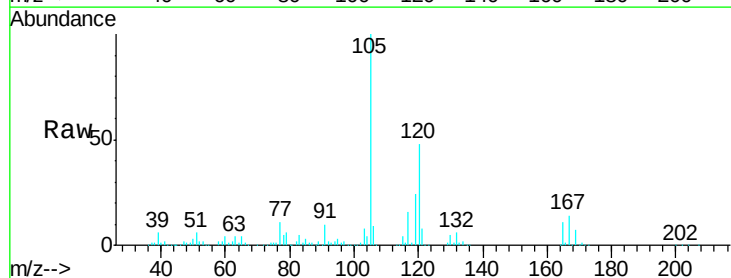
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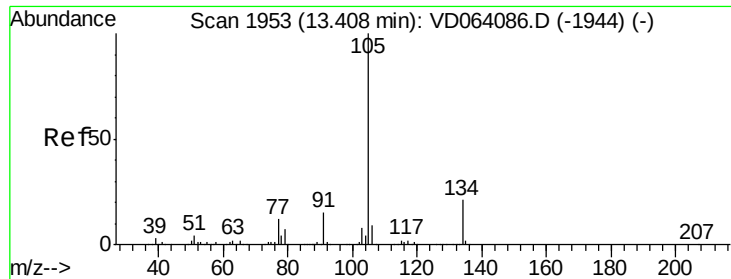
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.059 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	622553		
120	46.7	24.1	72.4	





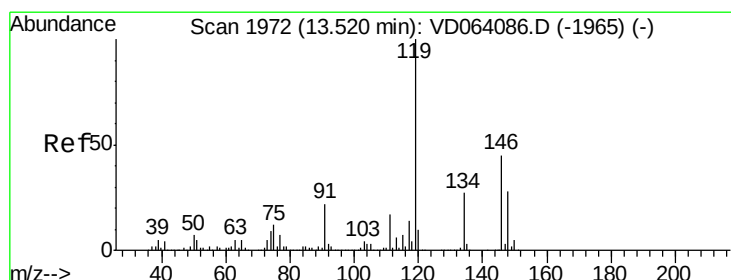
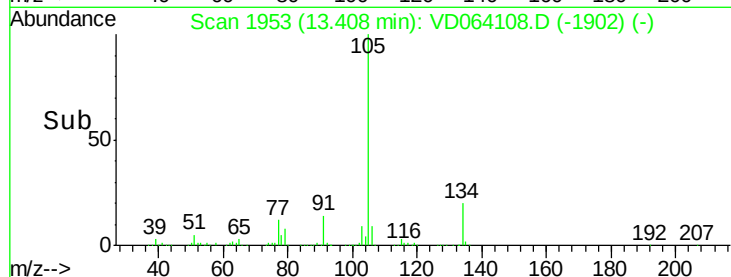
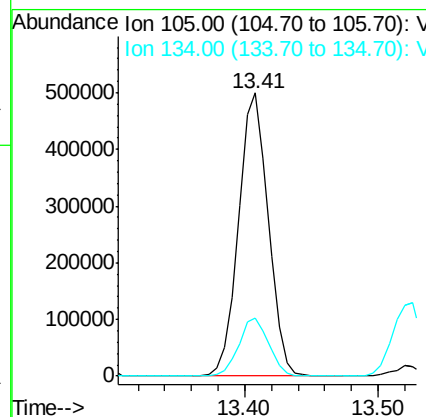
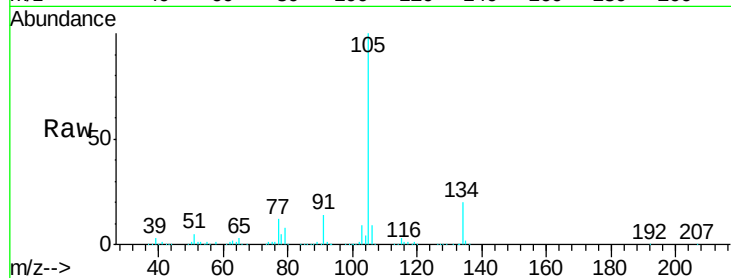
#85
 sec-Butylbenzene
 Concen: 55.523 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 770841
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.4 31.2

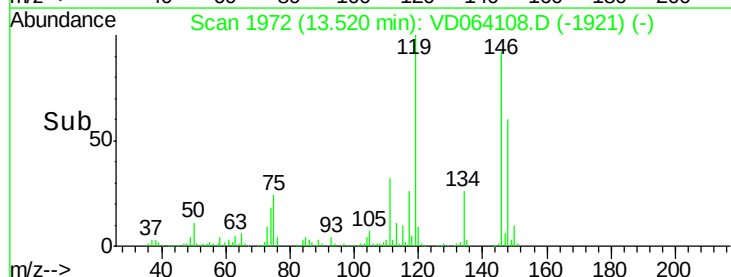
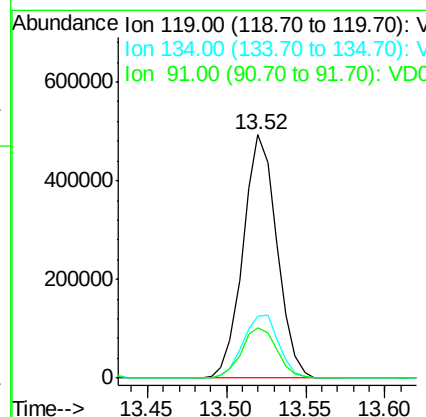
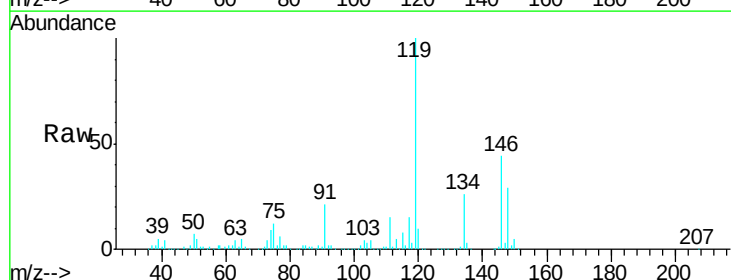
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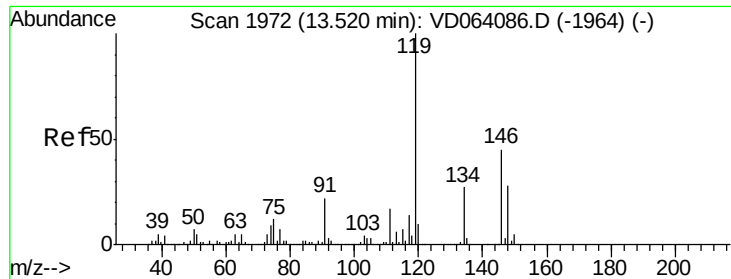
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#86
 p-Isopropyltoluene
 Concen: 55.991 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion:119 Resp: 730369
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.6 40.8
 91 21.7 10.9 32.6





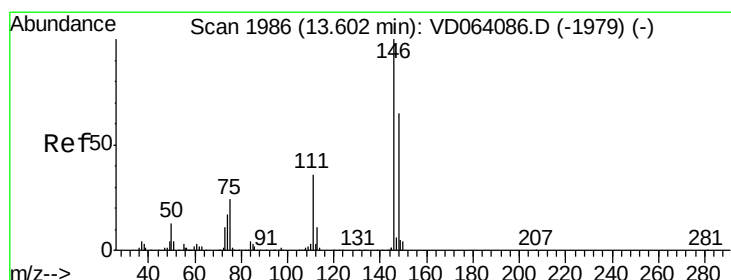
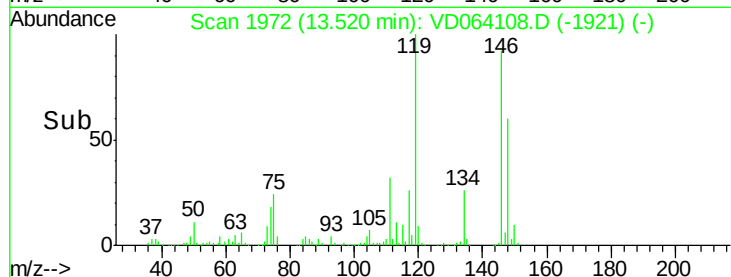
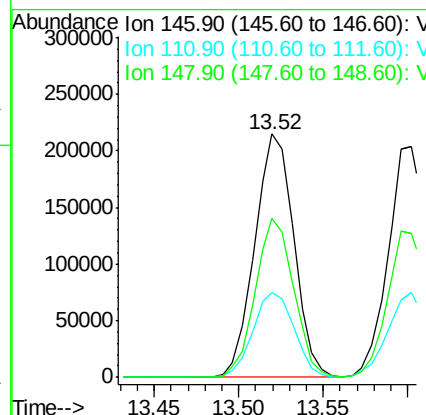
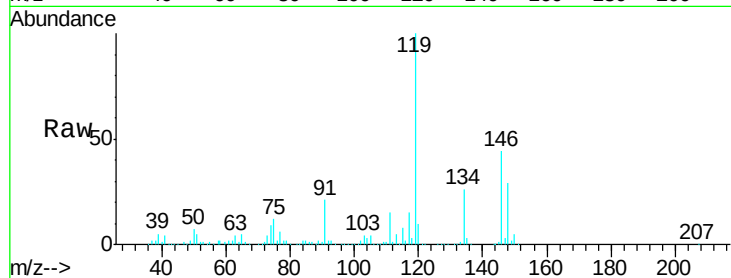
#87
1,3-Dichlorobenzene
Concen: 53.324 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.9
148	63.9	32.1	96.3

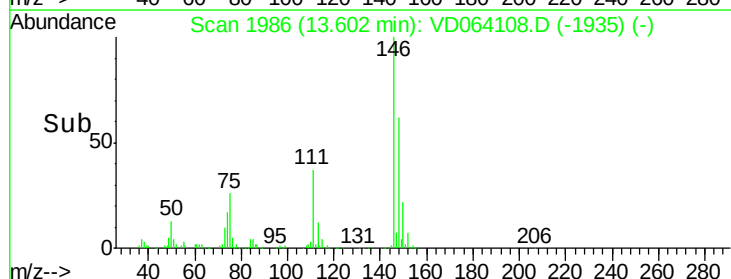
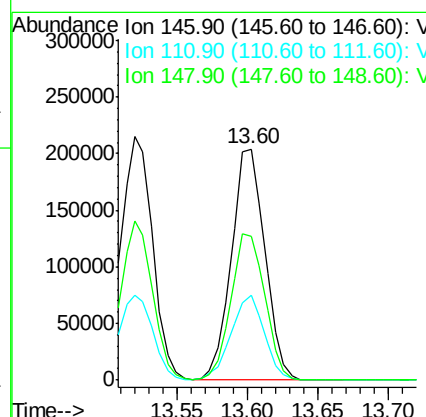
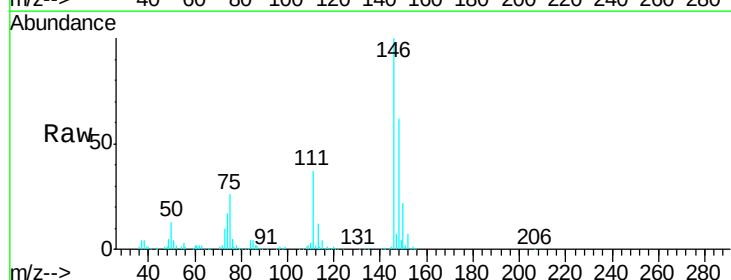
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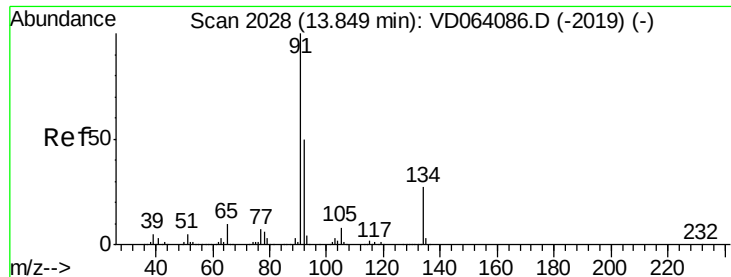
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#88
1,4-Dichlorobenzene
Concen: 52.683 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.4
148	64.3	32.4	97.0





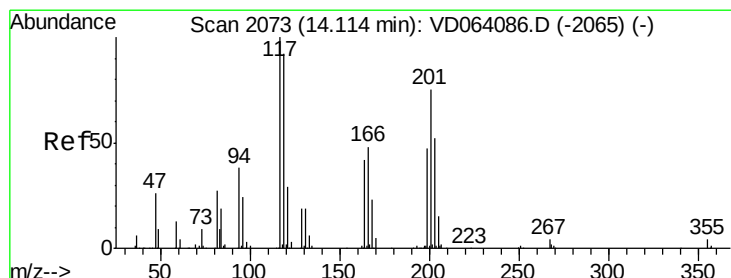
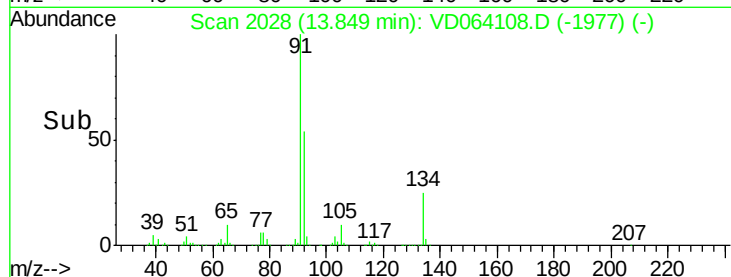
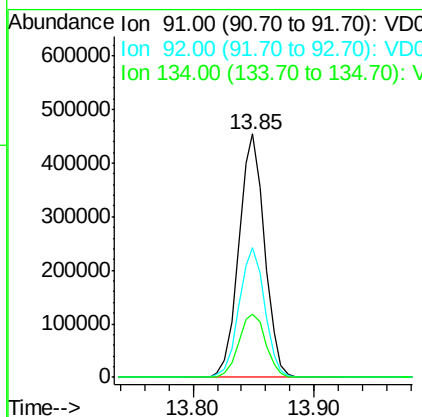
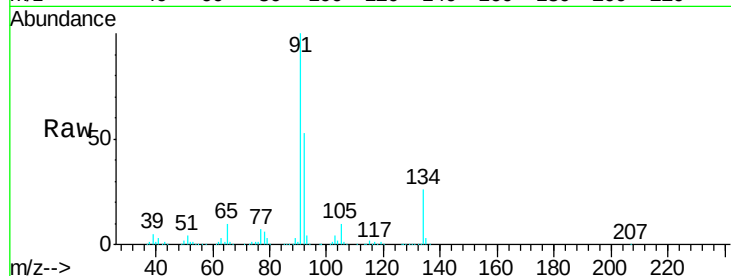
#89
n-Butylbenzene
Concen: 55.927 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	25.6	76.6
134	27.4	14.0	42.0

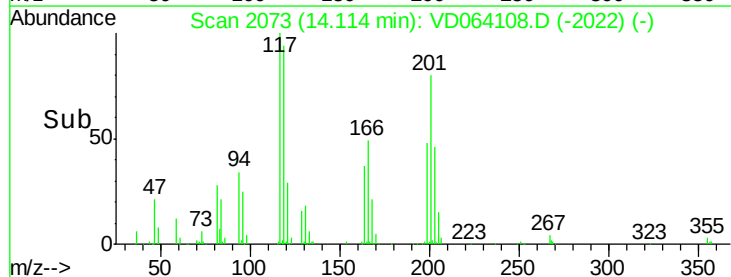
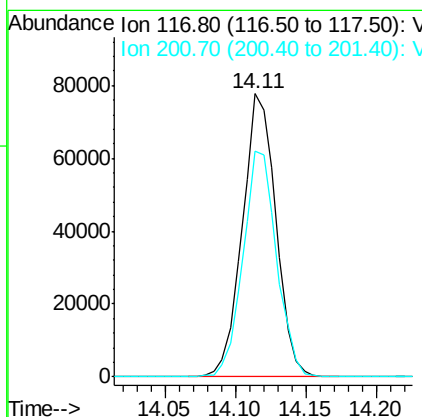
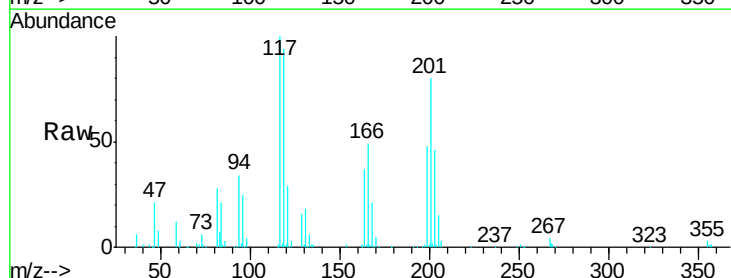
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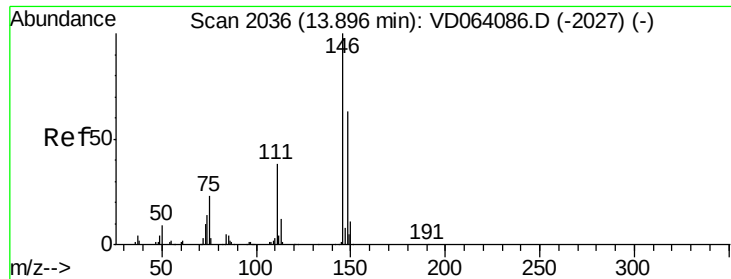
MMDadoda
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#90
Hexachloroethane
Concen: 52.967 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.9	38.4	115.2





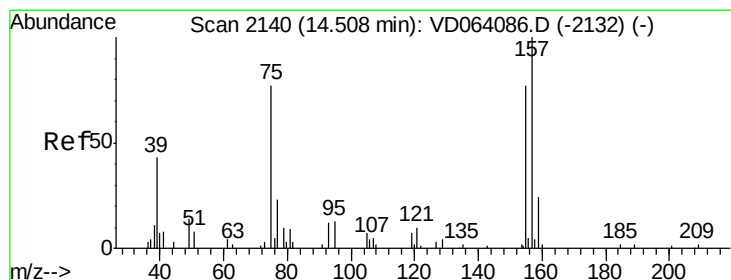
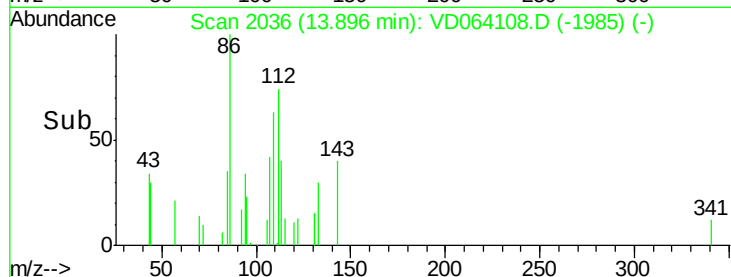
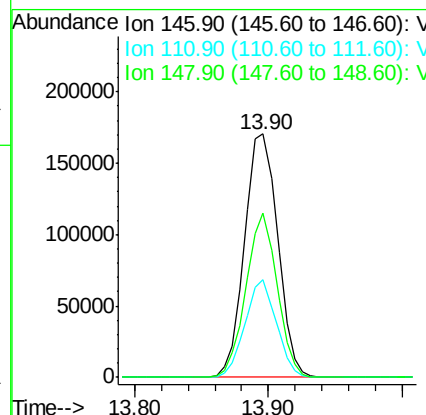
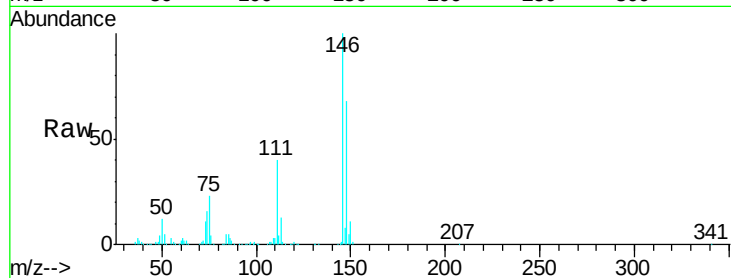
#91
 1,2-Dichlorobenzene
 Concen: 52.276 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	292754		
111	37.9	19.1	57.1	
148	63.5	32.1	96.5	

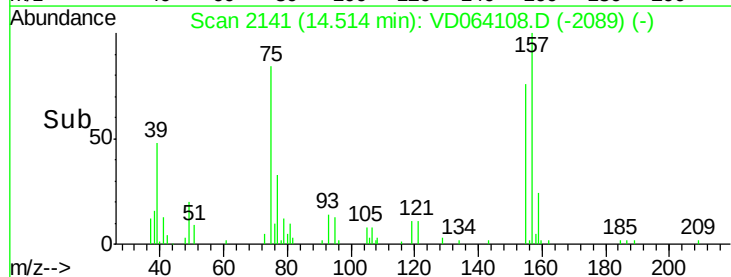
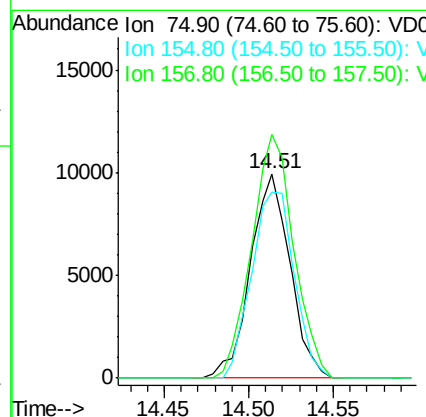
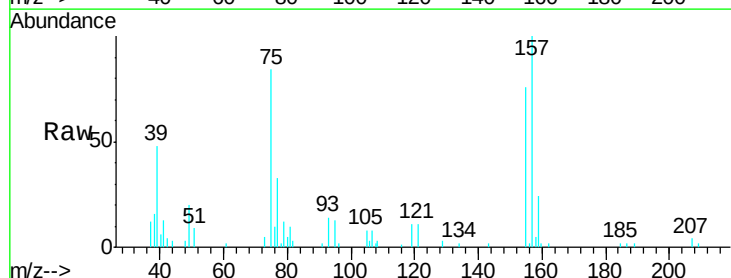
Manual Integrations
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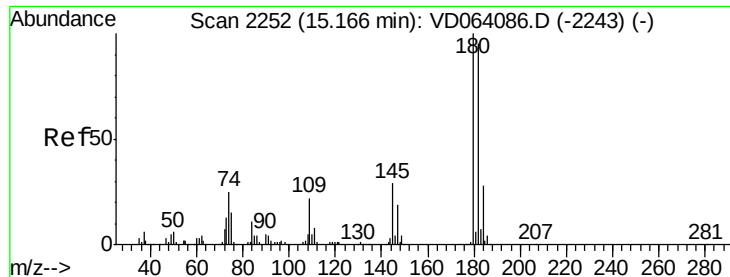
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.349 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16207		
155	98.5	56.3	168.9	
157	127.2	72.2	216.6	





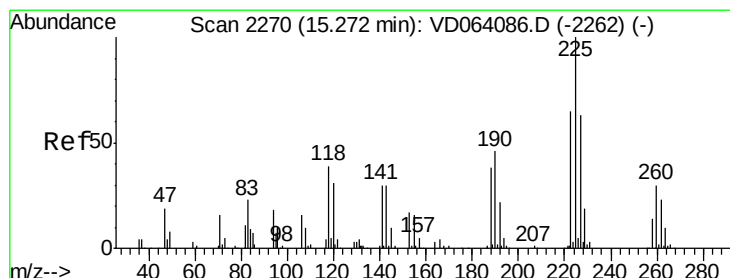
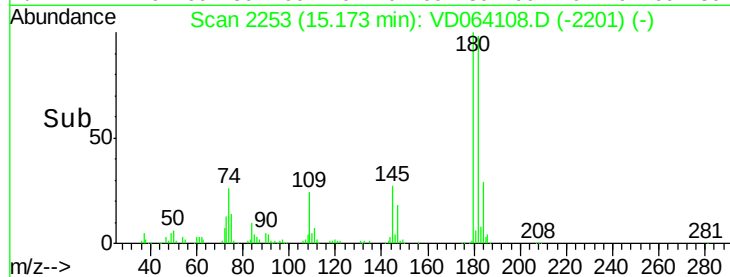
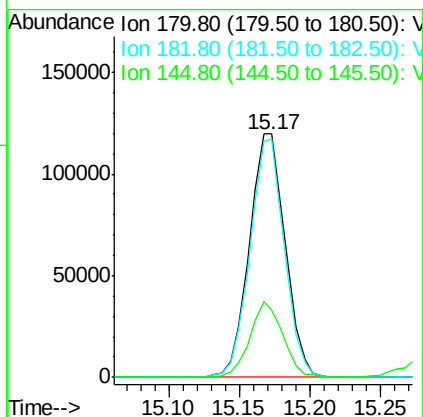
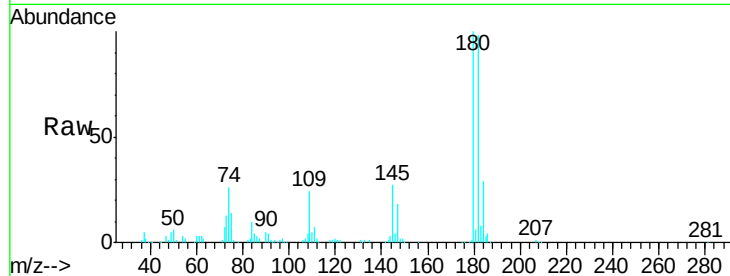
#93
 1,2,4-Trichlorobenzene
 Concen: 52.924 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	213045		
182	94.2	46.9	140.7	
145	28.6	14.2	42.6	

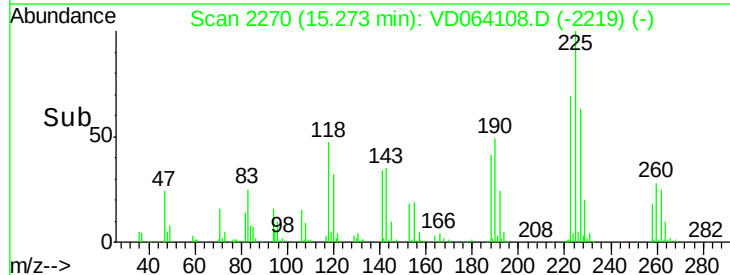
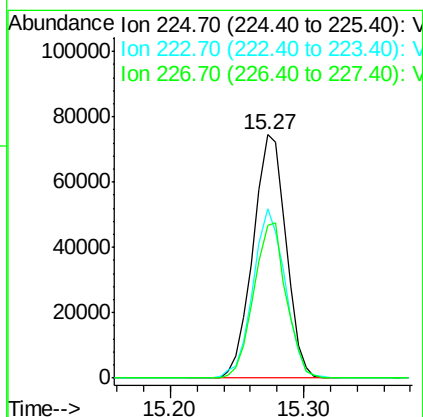
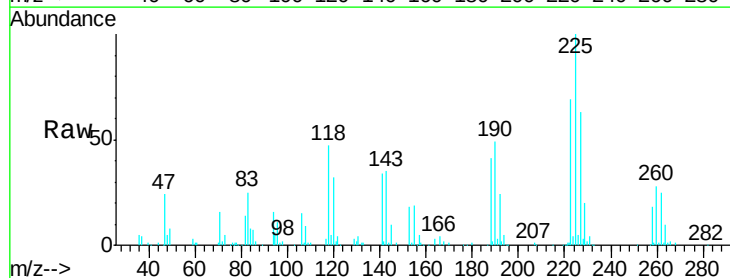
Manual Integrations
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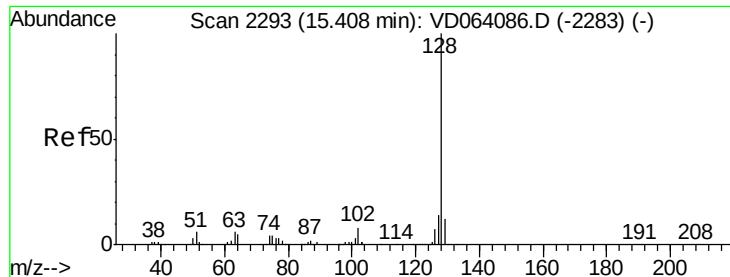
MMDadoda
 10/31/2019 3:39:11 PM



#94
 Hexachlorobutadiene
 Concen: 53.963 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126960		
223	67.5	30.8	92.3	
227	62.8	31.7	95.1	





#95

Naphthalene

Concen: 53.353 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

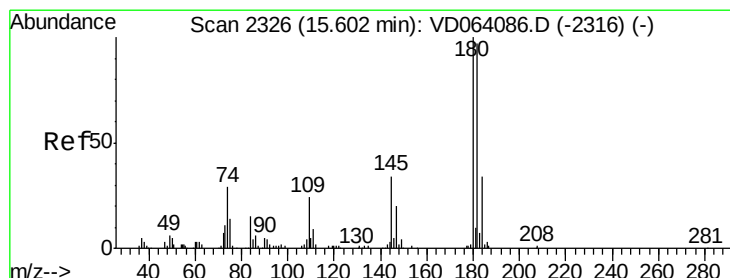
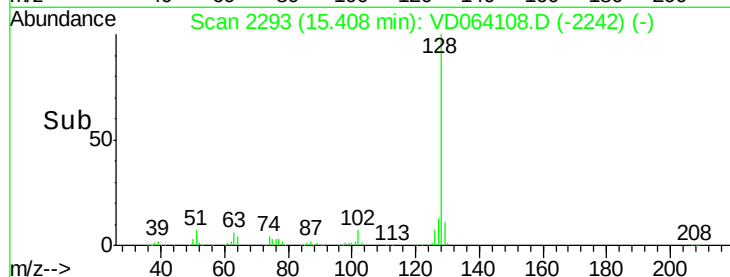
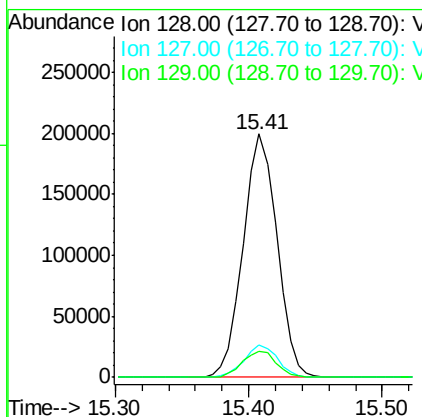
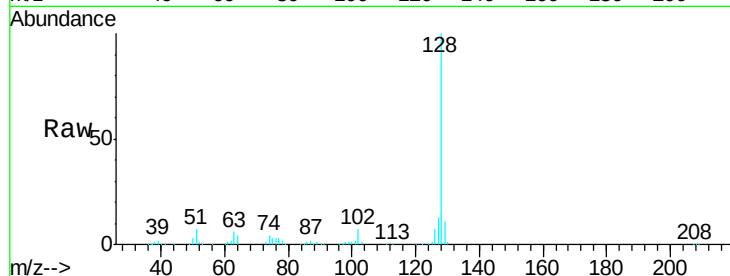
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	350271
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.9	16.3
129	10.9	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 53.127 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Tgt Ion:	180	Resp:	185244
Ion Ratio		Lower	Upper
180	100		
182	92.7	48.4	145.0
145	30.9	16.4	49.4

