

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111419\
 Data File : VD064211.D
 Acq On : 14 Nov 2019 13:11
 Operator : VA/SY
 Sample : VD1114SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:12 PM

Quant Time: Nov 15 06:03:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	630353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	900281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	777271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	378371	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	267565	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	7.91	113	268314	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.34	98	1007266	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.64	95	338761	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	98998	18.936	ug/l	97
3) Chloromethane	2.21	50	123419	22.009	ug/l	97
4) Vinyl Chloride	2.35	62	138110	23.031	ug/l	99
5) Bromomethane	2.76	94	89667	23.680	ug/l	99
6) Chloroethane	2.91	64	91418	23.858	ug/l	99
7) Trichlorofluoromethane	3.27	101	229228	23.577	ug/l	95
8) Diethyl Ether	3.70	74	54194	20.273	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	111085	19.990	ug/l	99
10) Methyl Iodide	4.29	142	106456	18.132	ug/l	96
11) Tert butyl alcohol	5.26	59	38089	105.189	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	105002	19.824	ug/l	90
13) Acrolein	3.93	56	25548	83.401	ug/l	98
14) Allyl chloride	4.71	41	180184	19.240	ug/l	94
15) Acrylonitrile	5.43	53	121166	106.319	ug/l	98
16) Acetone	4.16	43	102393	83.371	ug/l	97
17) Carbon Disulfide	4.40	76	327442	19.851	ug/l	99
18) Methyl Acetate	4.73	43	66029	19.249	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	254561	20.132	ug/l	96
20) Methylene Chloride	4.96	84	121628	19.605	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	118938	19.820	ug/l	96
22) Diisopropyl ether	6.37	45	340054	19.570	ug/l	97
23) Vinyl Acetate	6.31	43	1019865	105.294	ug/l	99
24) 1,1-Dichloroethane	6.26	63	203026	20.123	ug/l	98
25) 2-Butanone	7.23	43	156201	98.443	ug/l	97
26) 2,2-Dichloropropane	7.21	77	194338	19.642	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	129913	20.187	ug/l	98
28) Bromochloromethane	7.55	49	60080	17.104	ug/l	97
29) Tetrahydrofuran	7.57	42	100683	105.612	ug/l	98
30) Chloroform	7.71	83	214904	20.824	ug/l	98
31) Cyclohexane	7.98	56	200365	19.692	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	198634	20.101	ug/l	100
36) 1,1-Dichloropropene	8.11	75	169628	20.415	ug/l	99
37) Ethyl Acetate	7.30	43	72672	20.747	ug/l	99
38) Carbon Tetrachloride	8.10	117	179012	20.135	ug/l	91

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MMDadoda
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Quant Time: Nov 15 06:03:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	207738	19.759	ug/l	96
40) Benzene	8.35	78	450619	19.844	ug/l	98
41) Methacrylonitrile	7.53	41	37469	17.019	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	136296	19.984	ug/l	99
43) Isopropyl Acetate	8.46	43	145872	20.212	ug/l	98
44) Trichloroethene	9.11	130	136356	20.007	ug/l	99
45) 1,2-Dichloropropane	9.39	63	110441	19.982	ug/l	97
46) Dibromomethane	9.48	93	59956	20.262	ug/l	99
47) Bromodichloromethane	9.66	83	161026	20.203	ug/l	98
48) Methyl methacrylate	9.46	41	65045	18.431	ug/l #	89
49) 1,4-Dioxane	9.46	88	14924	419.955	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	352145	101.748	ug/l	100
52) Toluene	10.40	92	296440	19.853	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	154131	19.303	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	182957	19.635	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	84556	21.065	ug/l	98
56) Ethyl methacrylate	10.66	69	110566	19.691	ug/l	96
57) 1,3-Dichloropropane	10.95	76	144347	20.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	231818	101.918	ug/l	100
59) 2-Hexanone	10.98	43	242781	98.600	ug/l	99
60) Dibromochloromethane	11.14	129	114461	20.435	ug/l	99
61) 1,2-Dibromoethane	11.25	107	80931	20.130	ug/l	99
64) Tetrachloroethene	10.87	164	117892	19.721	ug/l	97
65) Chlorobenzene	11.67	112	313524	19.836	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	117280	19.514	ug/l	99
67) Ethyl Benzene	11.75	91	573919	20.074	ug/l	100
68) m/p-Xylenes	11.86	106	435316	39.724	ug/l	97
69) o-Xylene	12.18	106	201231	19.799	ug/l	100
70) Styrene	12.20	104	348291	19.632	ug/l	99
71) Bromoform	12.36	173	70583	20.636	ug/l #	96
73) Isopropylbenzene	12.48	105	555483	20.001	ug/l	100
74) N-amyl acetate	12.29	43	134109	20.449	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	89143	21.302	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	66623m	21.860	ug/l	
77) Bromobenzene	12.77	156	134873	19.990	ug/l	98
78) n-propylbenzene	12.83	91	640957	20.200	ug/l	99
79) 2-Chlorotoluene	12.91	91	352212	19.661	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	456265	19.994	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31583	20.585	ug/l	98
82) 4-Chlorotoluene	13.01	91	366384	19.608	ug/l	99
83) tert-Butylbenzene	13.23	119	408381	20.295	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	442669	19.648	ug/l	100
85) sec-Butylbenzene	13.40	105	542352	20.067	ug/l	99
86) p-Isopropyltoluene	13.52	119	499878	19.455	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	248320	19.827	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	245912	20.117	ug/l	99
89) n-Butylbenzene	13.85	91	458560	19.754	ug/l	100
90) Hexachloroethane	14.12	117	93280	19.644	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	215019	20.283	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14930	19.954	ug/l	95

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ClientSampleId :
VD1114SBSD01

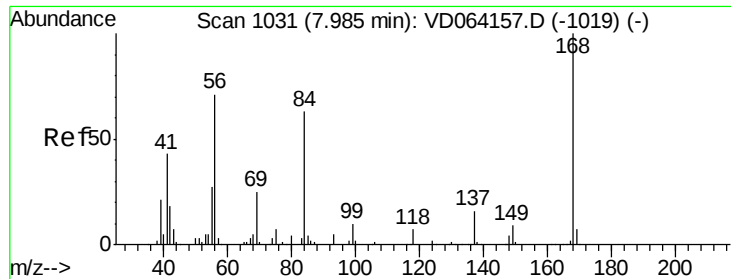
Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:12 PM

Quant Time: Nov 15 06:03:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	162015	19.812	ug/l	100
94) Hexachlorobutadiene	15.27	225	105305	19.937	ug/l	99
95) Naphthalene	15.41	128	279825	20.874	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	139751	20.104	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tot Ion:168 Resp: 630353

Ion Ratio Lower Upper

168 100

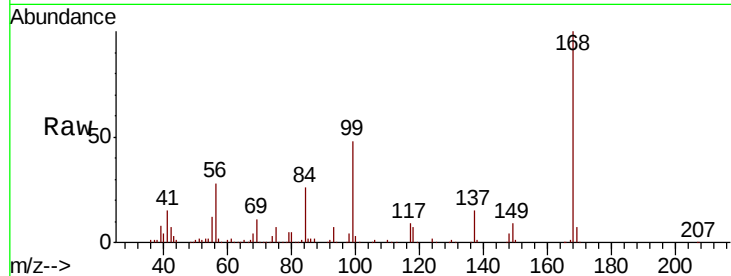
99 48.2 41.6 62.4

Manual Integrations

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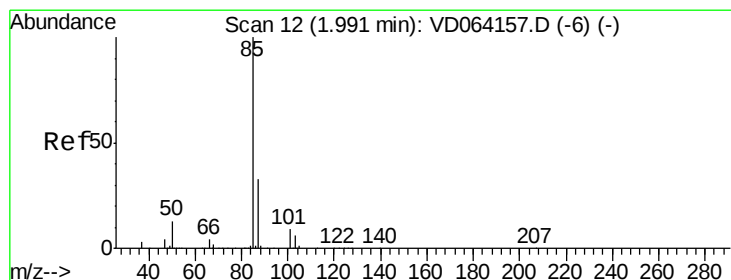
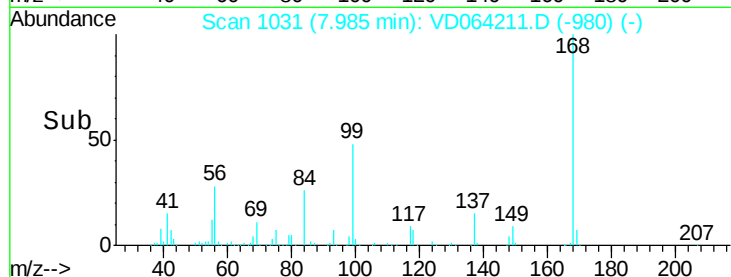
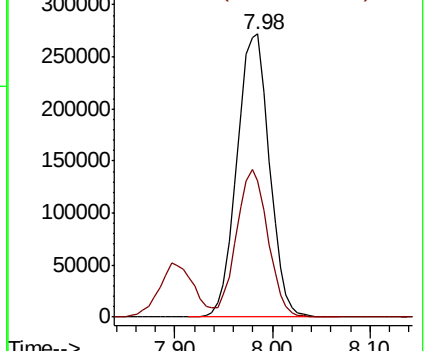
MMDadoda

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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: 18.936 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064211.D

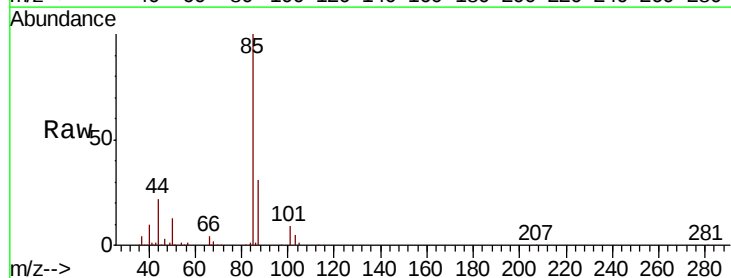
Acq: 14 Nov 2019 13:11

Tgt Ion: 85 Resp: 98998

Ion Ratio Lower Upper

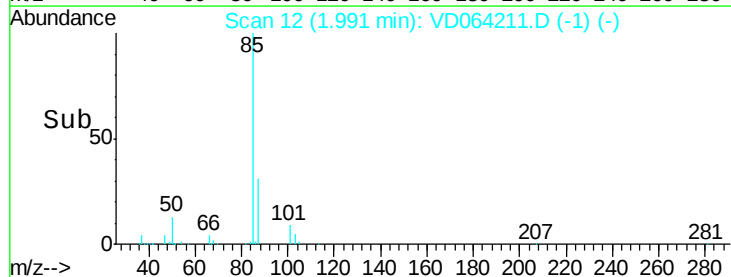
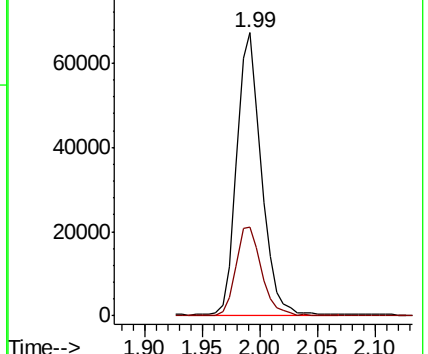
85 100

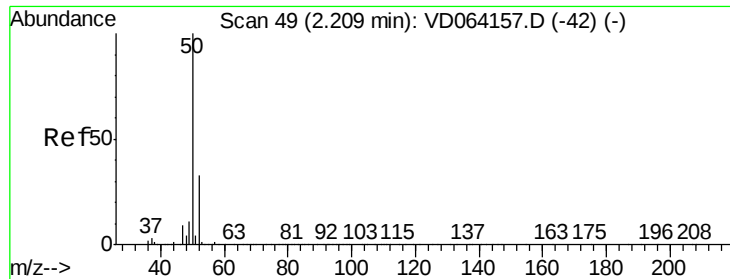
87 31.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.009 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tot Ion: 50 Resp: 123419

Ion Ratio Lower Upper

50 100

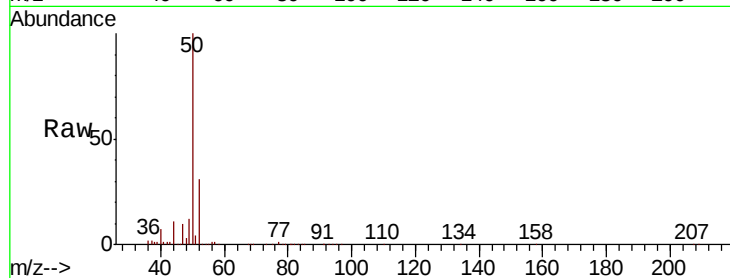
52 31.2 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

100000

80000

60000

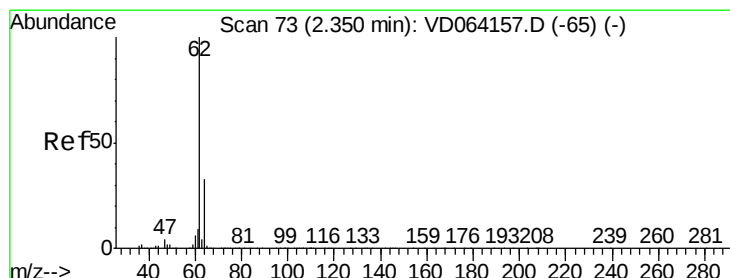
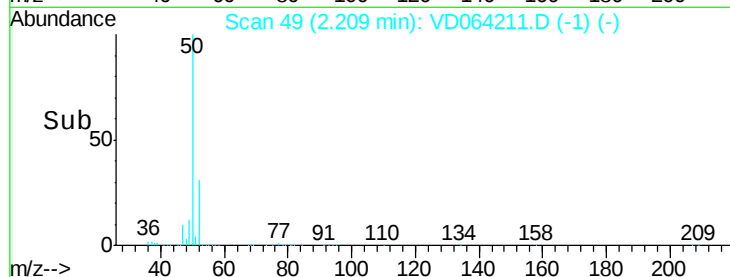
40000

20000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 23.031 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064211.D

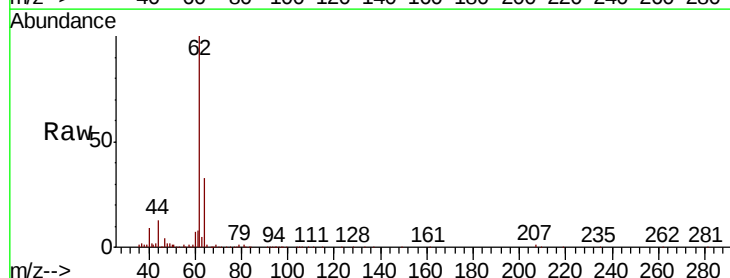
Acq: 14 Nov 2019 13:11

Tgt Ion: 62 Resp: 138110

Ion Ratio Lower Upper

62 100

64 33.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

100000

80000

60000

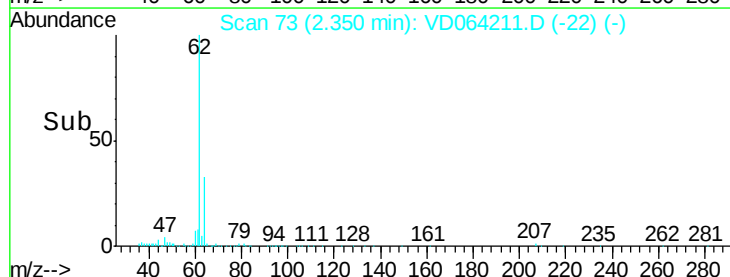
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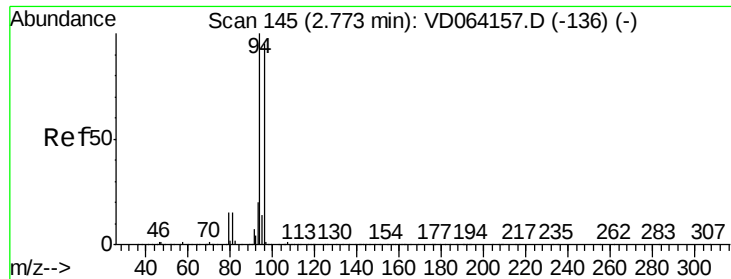
20000

0

2.25 2.30 2.35 2.40

Time-->





#5

Bromomethane

Concen: 23.680 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tot Ion: 94 Resp: 89667

Ion Ratio Lower Upper

94 100

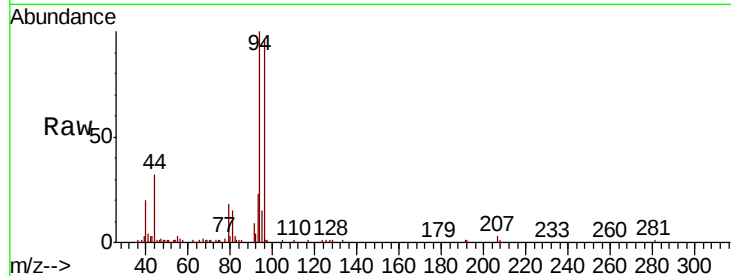
96 96.1 76.2 114.4

Manual Integrations

APPROVED

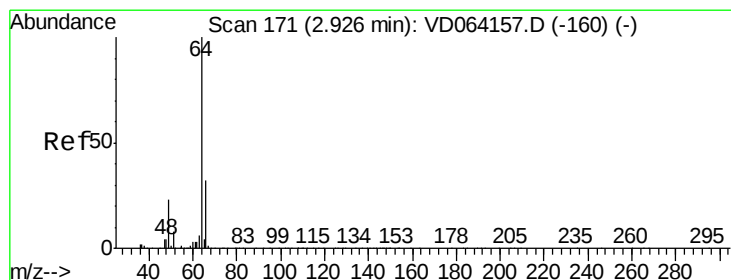
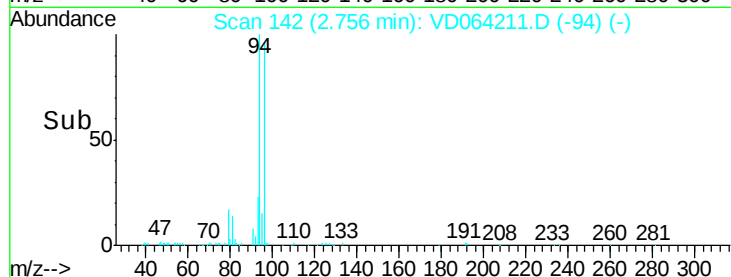
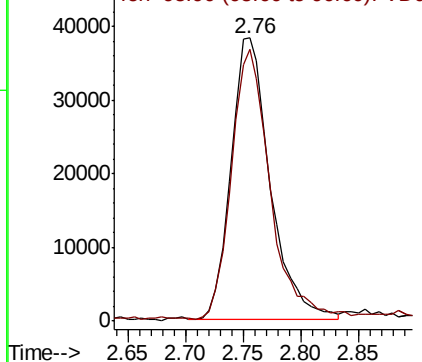
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.858 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064211.D

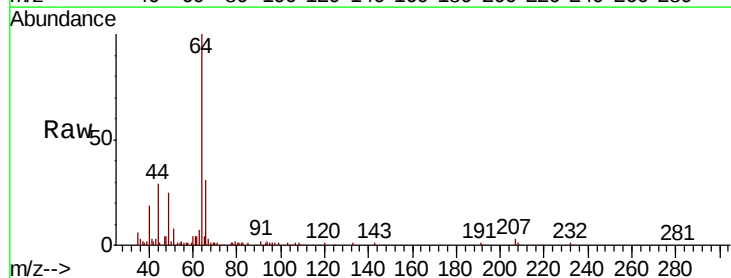
Acq: 14 Nov 2019 13:11

Tgt Ion: 64 Resp: 91418

Ion Ratio Lower Upper

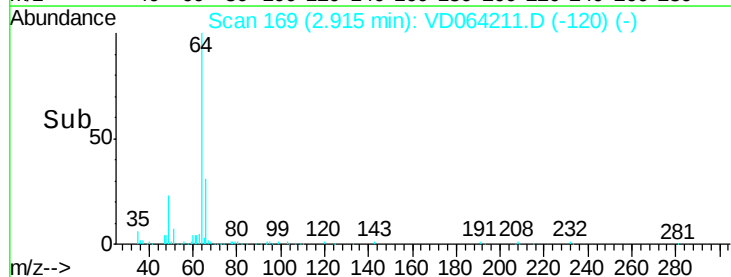
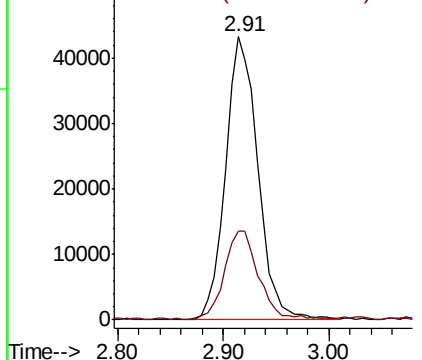
64 100

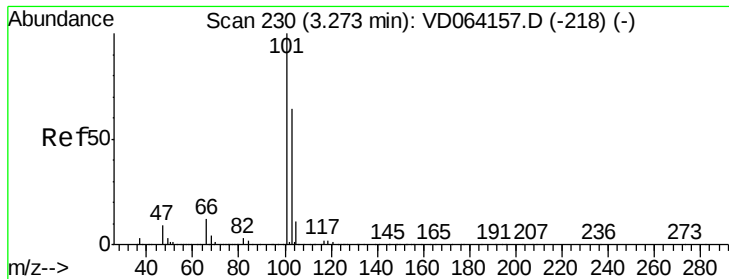
66 31.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

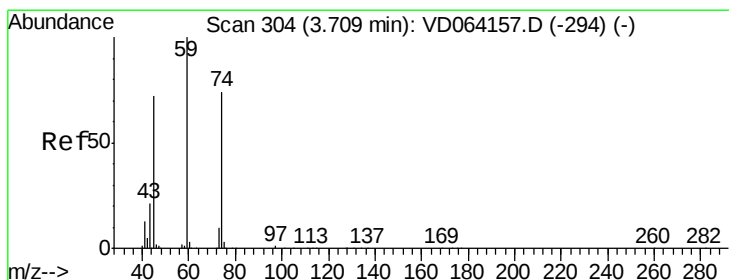
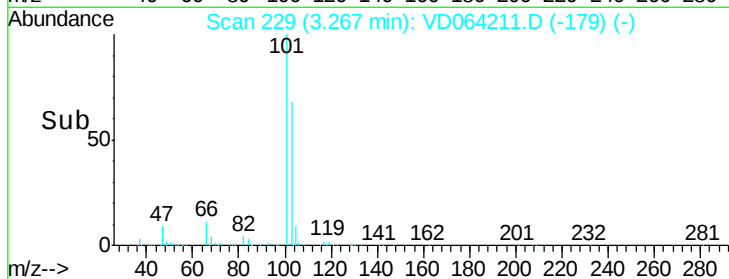
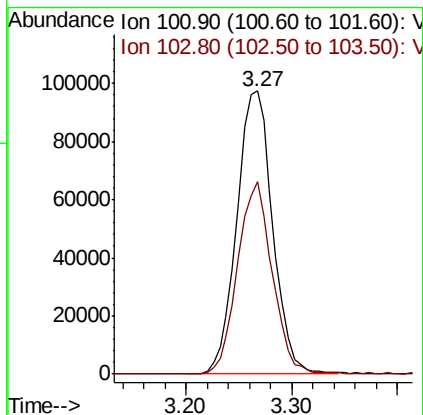
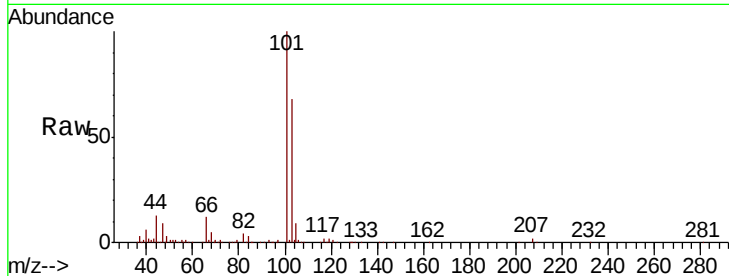
Trichlorofluoromethane
Concen: 23.577 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
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ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	50.8	76.2

Manual Integrations
APPROVED

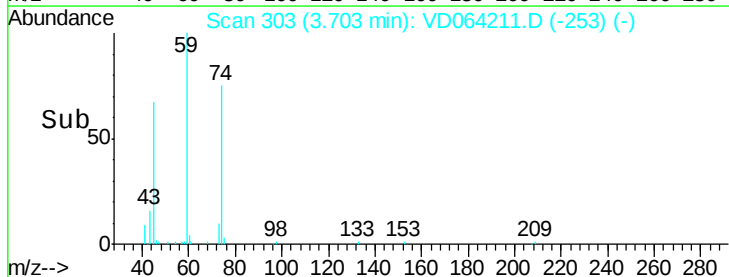
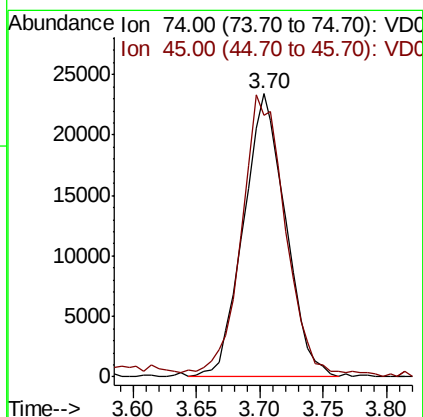
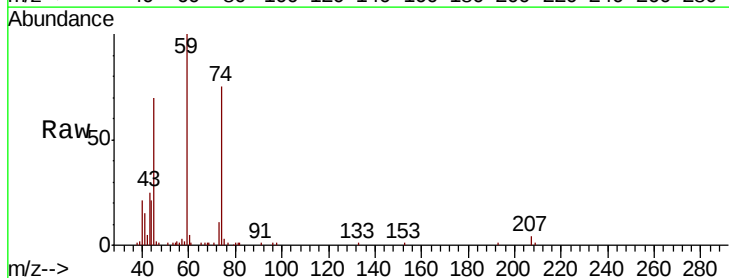
MMDadoda
11/15/2019 3:06:12 PM

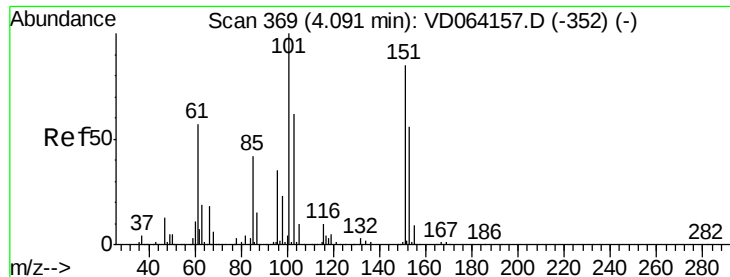


#8

Diethyl Ether
Concen: 20.273 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.990 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

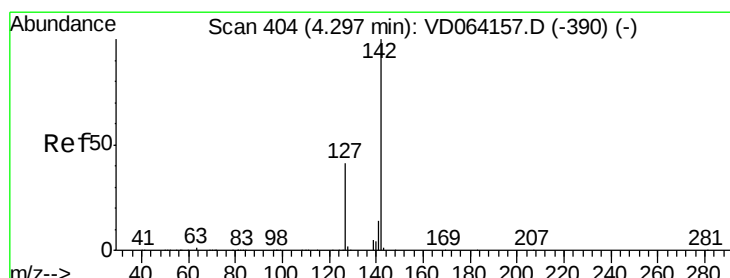
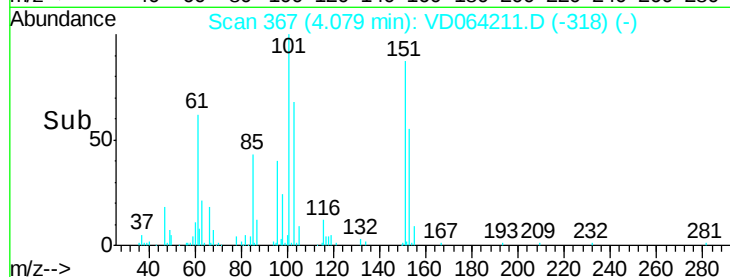
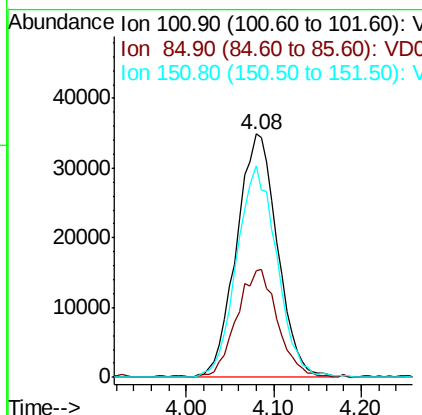
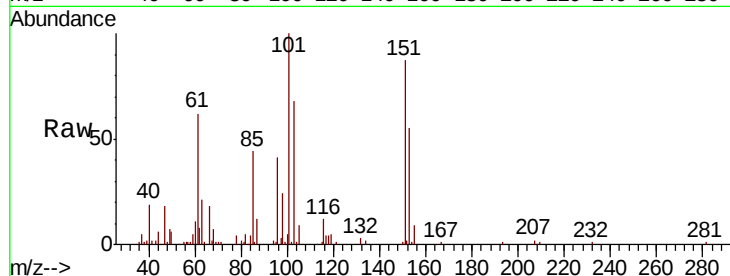
ClientSampleId :

VD1114SBS01

Tot Ion:	101	Resp:	111085
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.4	51.6
151	84.6	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 18.132 ug/l

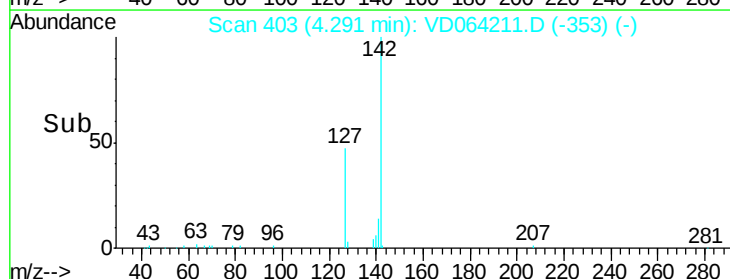
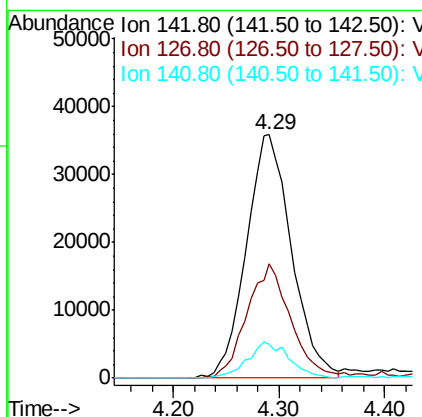
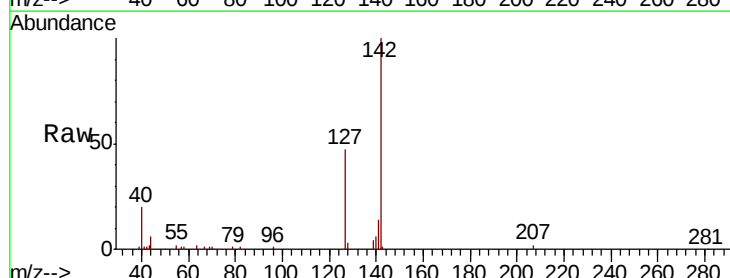
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Tgt Ion:	142	Resp:	106456
Ion Ratio	Lower	Upper	
142	100		
127	46.1	34.4	51.6
141	13.8	11.2	16.8





#11

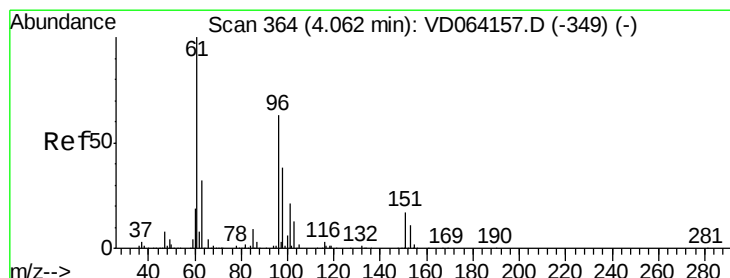
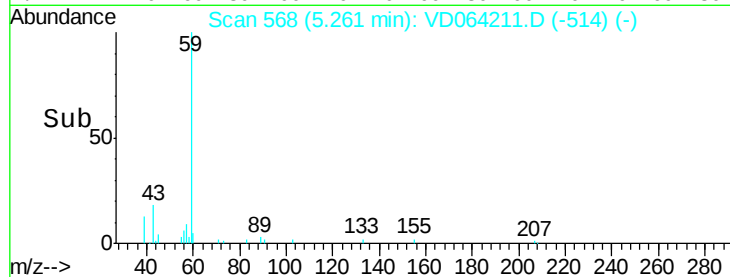
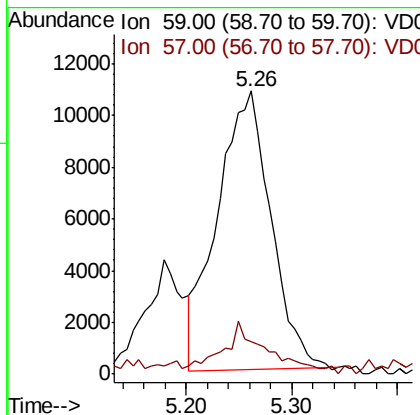
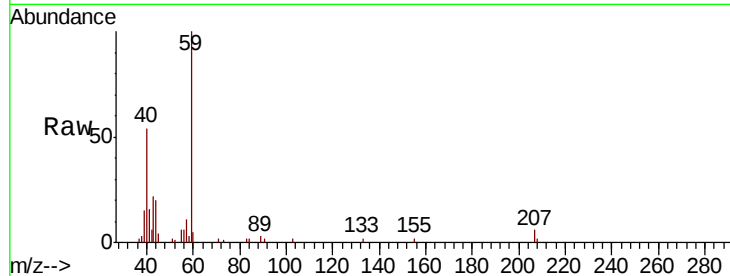
Tert butyl alcohol
 Concen: 105.189 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion	59	57	Ratio	100	16.3	Resp	38089	Lower	9.4	Upper	14.2#

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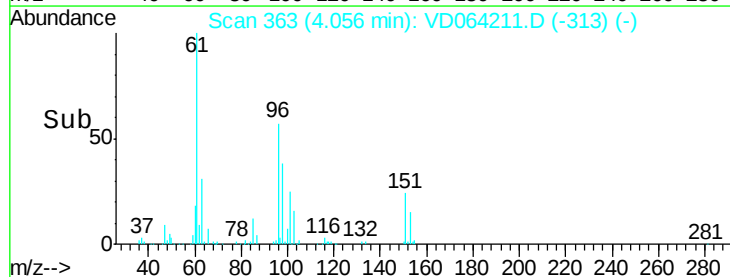
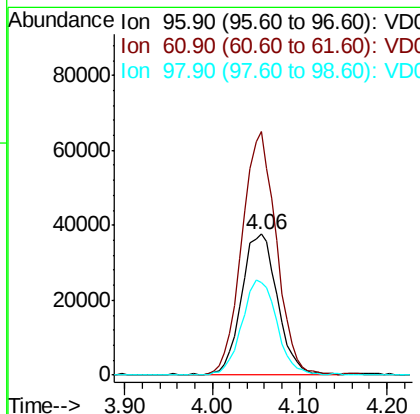
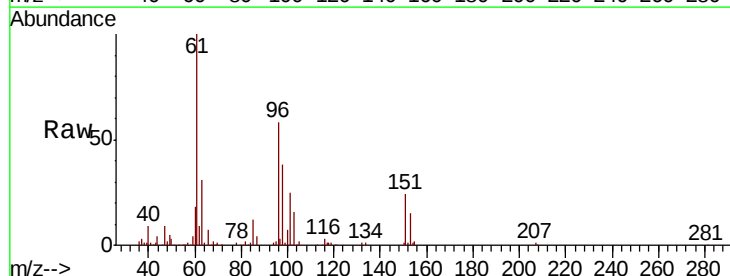
MMDadoda
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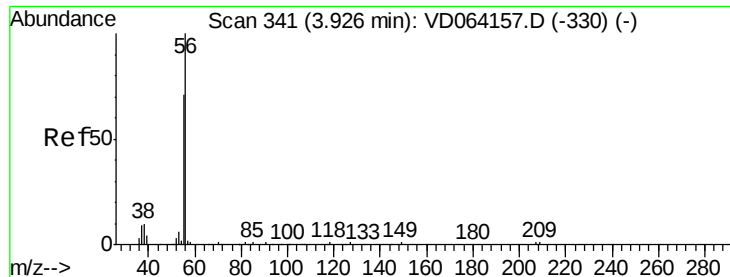


#12

1,1-Dichloroethene
 Concen: 19.824 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	96	61	98	Ratio	100	173.0	65.8	Resp	105002	Lower	127.4	48.1	Upper	191.2	72.1





#13

Acrolein

Concen: 83.401 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tot Ion: 56 Resp: 25548

Ion Ratio Lower Upper

56 100

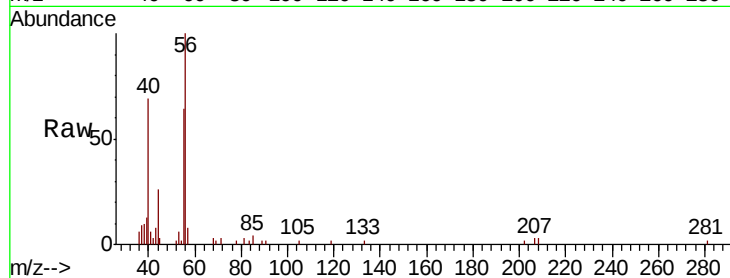
55 71.7 56.1 84.1

Manual Integrations

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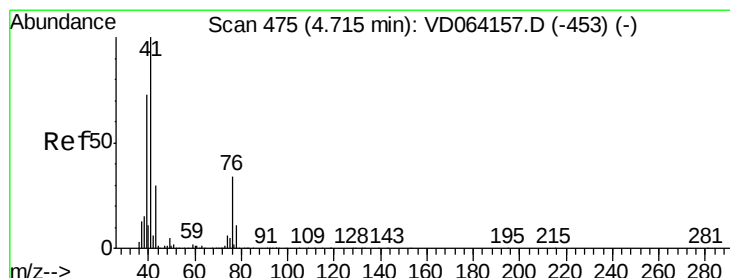
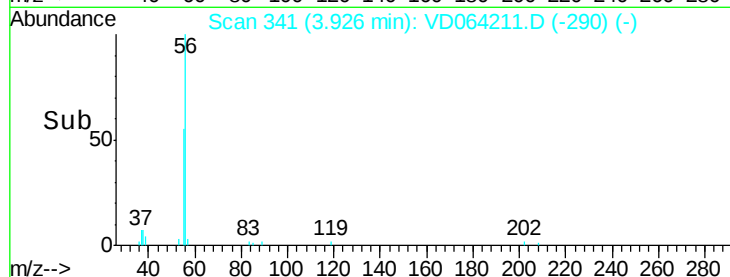
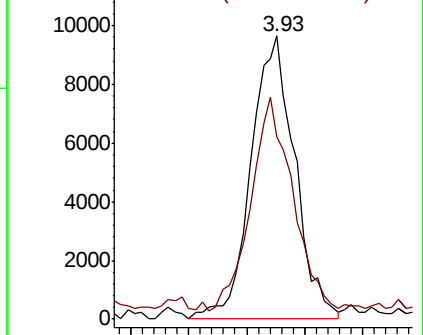
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.240 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

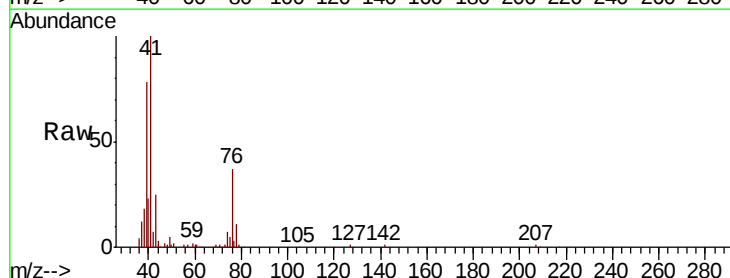
Tgt Ion: 41 Resp: 180184

Ion Ratio Lower Upper

41 100

39 77.4 57.5 86.3

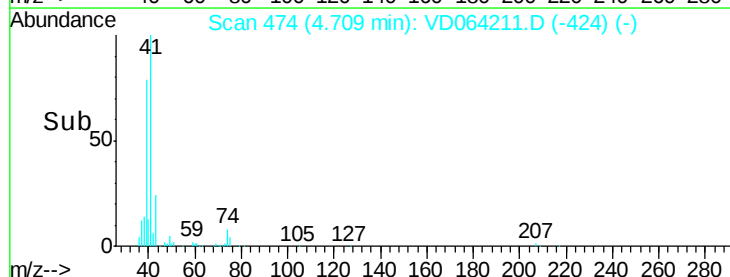
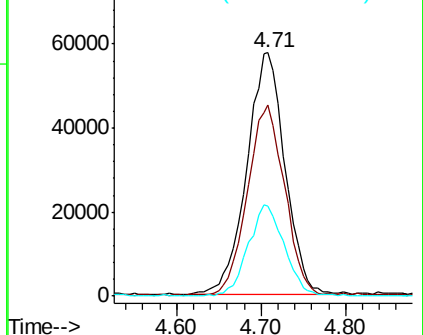
76 36.1 26.8 40.2

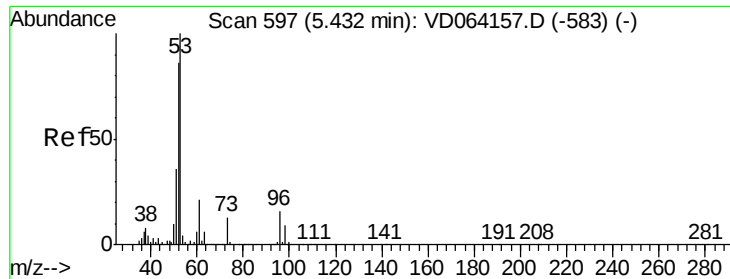


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 106.319 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

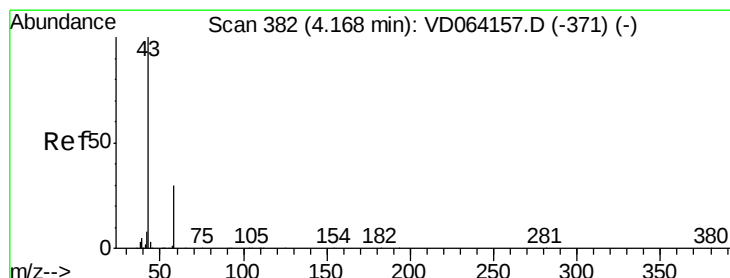
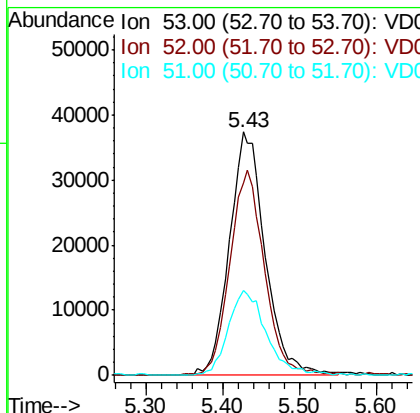
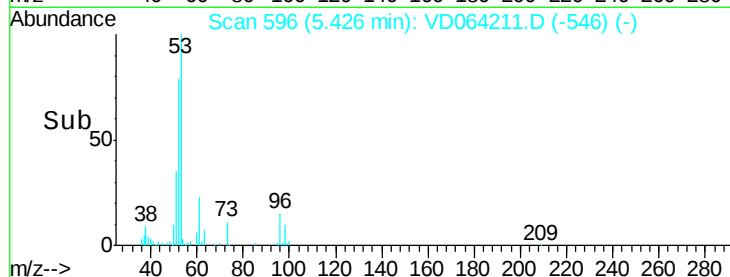
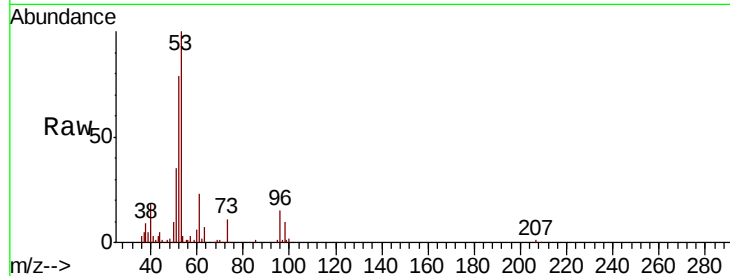
ClientSampleId :

VD1114SBSD01

Tot Ion:	53	Resp:	121166
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.7	100.1
51	36.6	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 83.371 ug/l

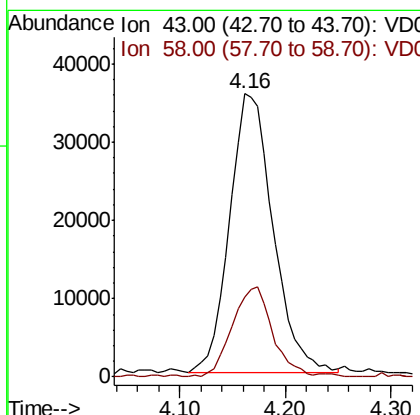
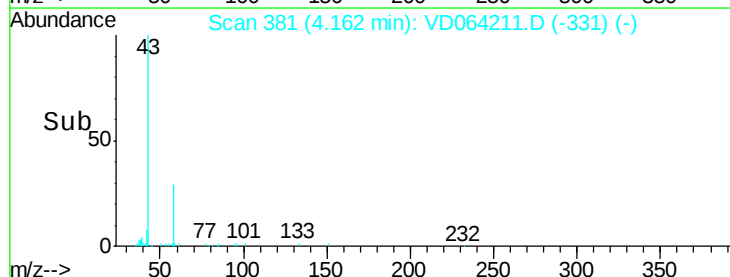
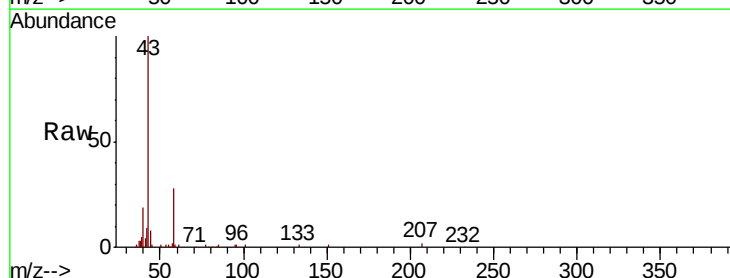
RT: 4.16 min Scan# 381

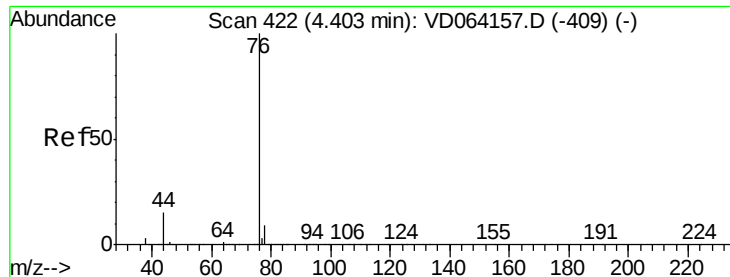
Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Tgt Ion:	43	Resp:	102393
Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.1	36.1





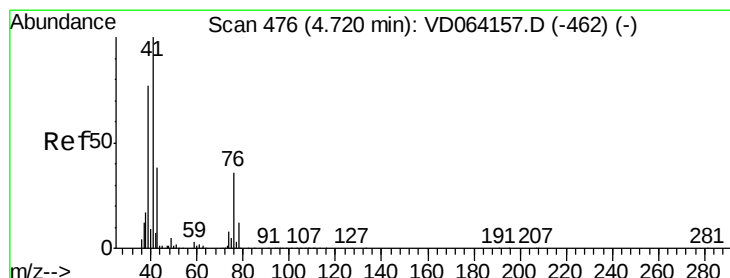
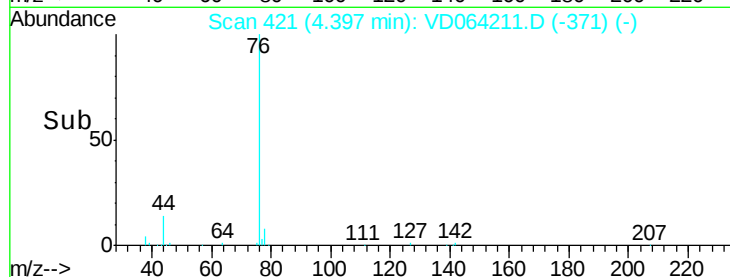
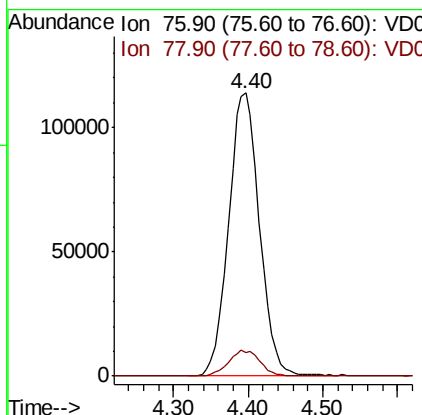
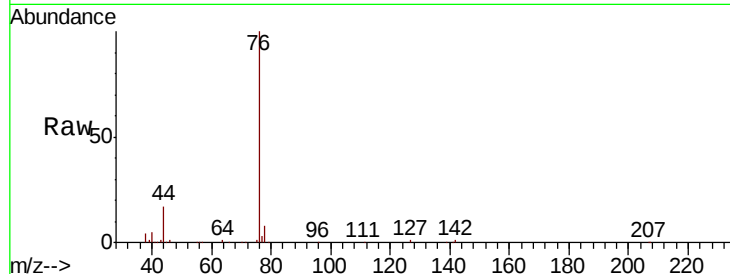
#17
Carbon Disulfide
Concen: 19.851 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tot Ion: 76 Resp: 327442
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8

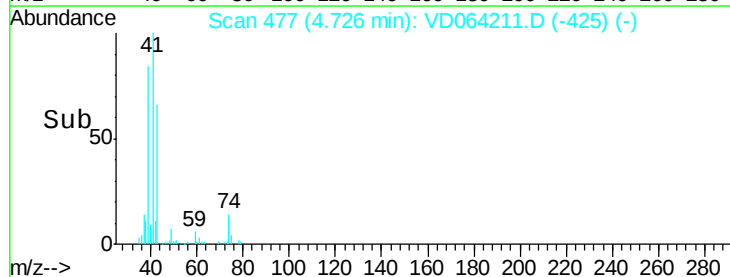
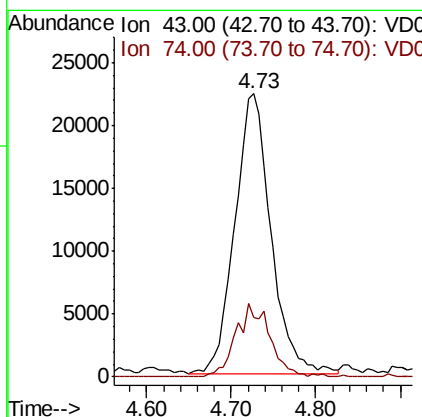
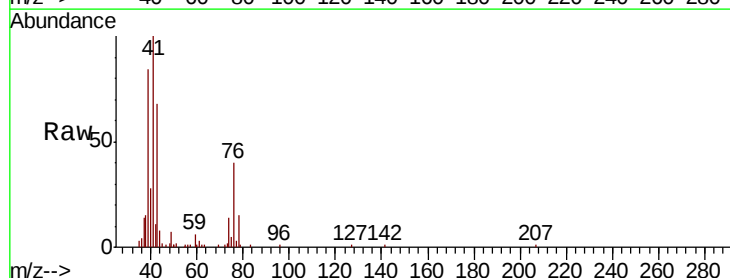
Manual Integrations
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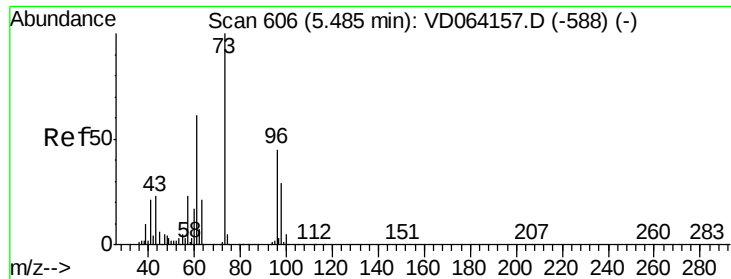
MMDadoda
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#18
Methyl Acetate
Concen: 19.249 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 43 Resp: 66029
Ion Ratio Lower Upper
43 100
74 24.4 18.4 27.6





#19

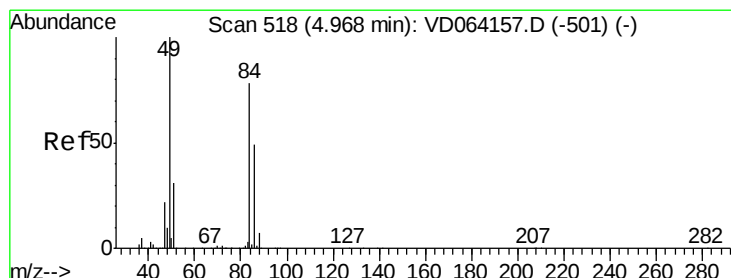
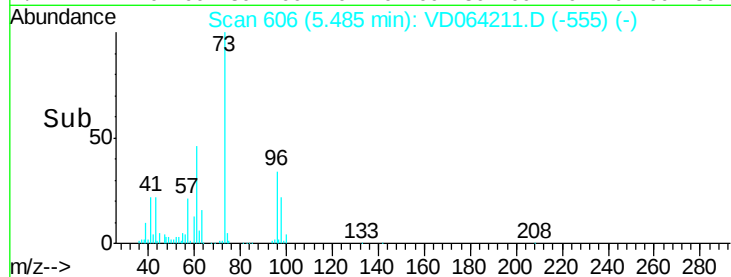
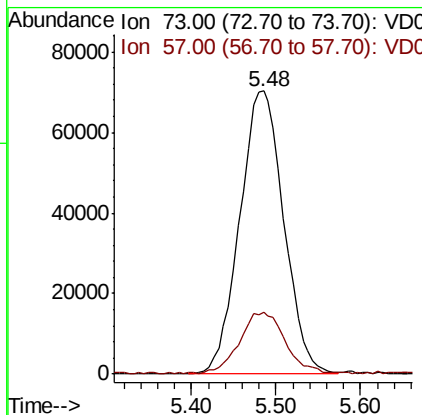
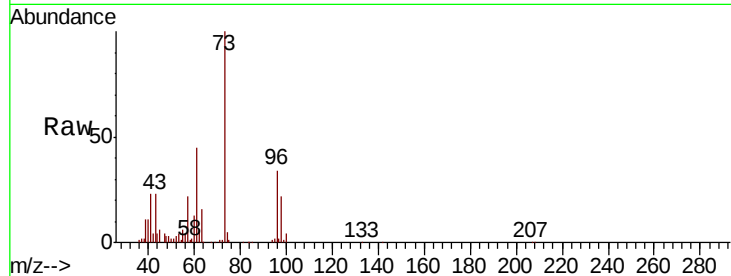
Methyl tert-butyl Ether
 Concen: 20.132 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	18.4	27.6

Manual Integrations
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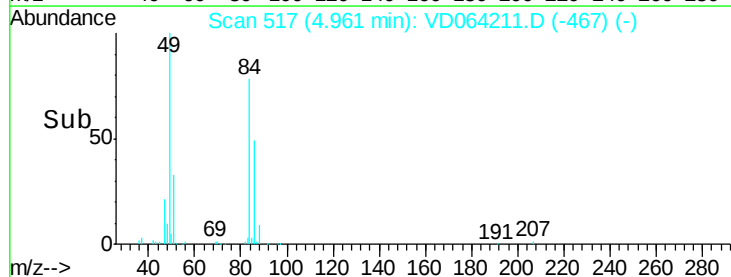
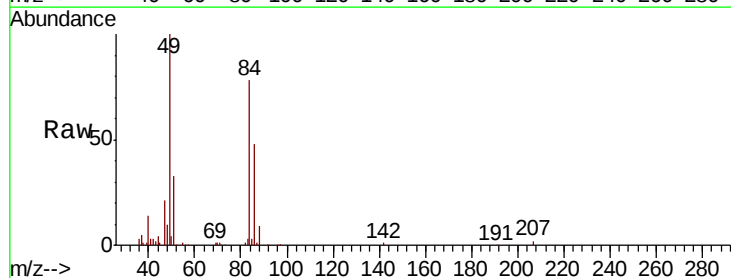
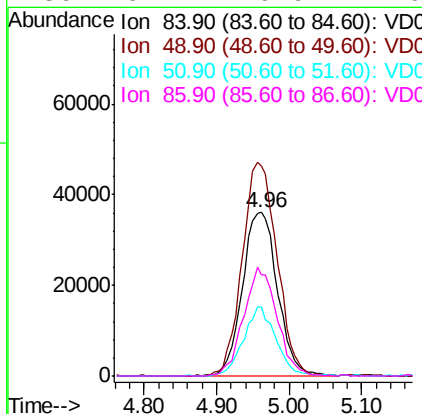
MMDadoda
 11/15/2019 3:06:12 PM

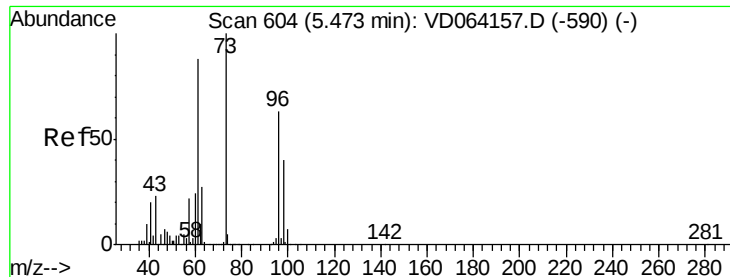


#20

Methylene Chloride
 Concen: 19.605 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.8	102.1	153.1
51	42.5	32.2	48.2
86	62.2	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 19.820 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tot Ion: 96 Resp: 118938

Ion Ratio Lower Upper

96 100

61 135.5 111.8 167.6

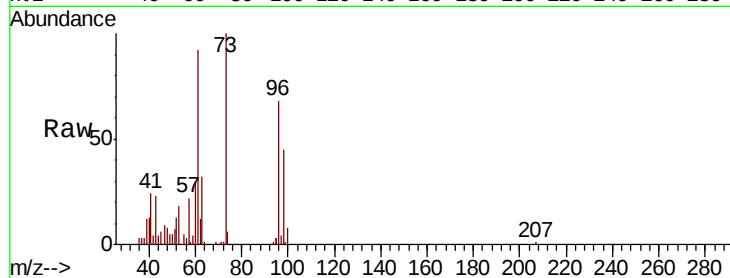
98 66.0 50.3 75.5

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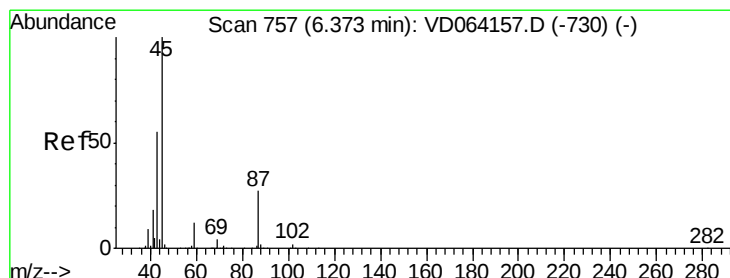
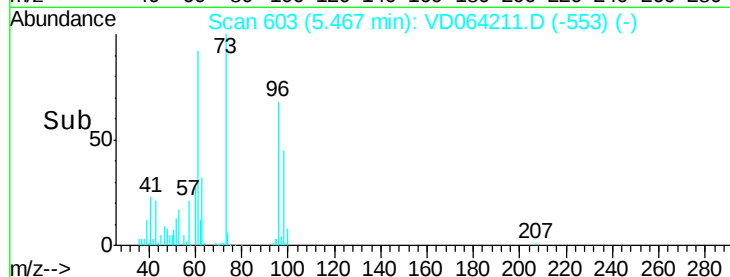
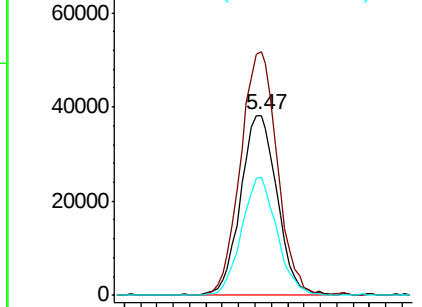
11/15/2019 3:06:12 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.570 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Tgt Ion: 45 Resp: 340054

Ion Ratio Lower Upper

45 100

43 58.0 44.4 66.6

87 26.7 21.9 32.9

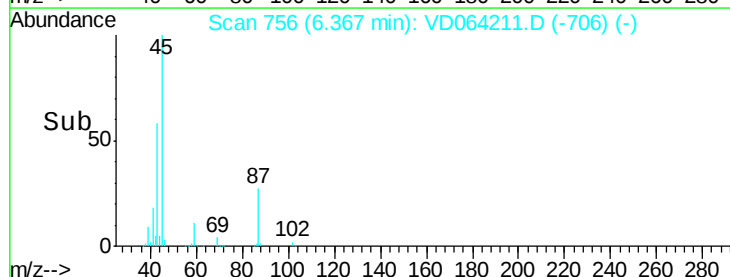
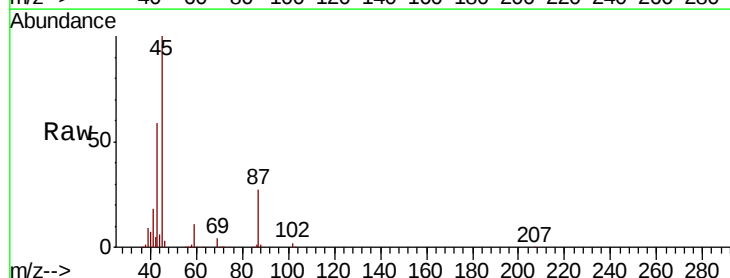
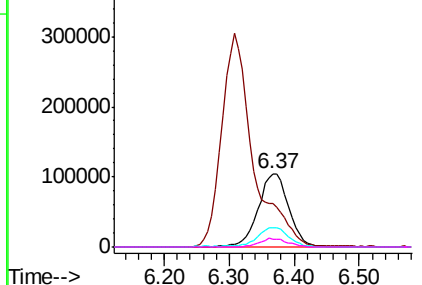
59 10.8 9.4 14.2

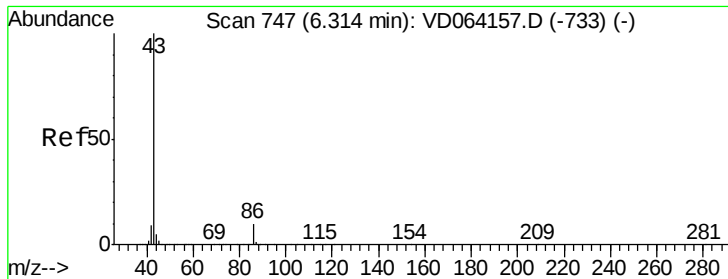
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 105.294 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 43 Resp: 1019865

Ion Ratio Lower Upper

43 100

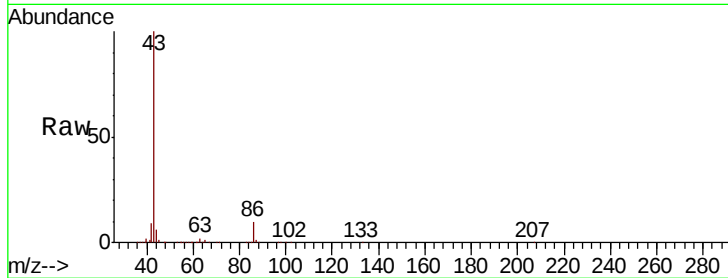
86 9.9 8.2 12.2

Manual Integrations

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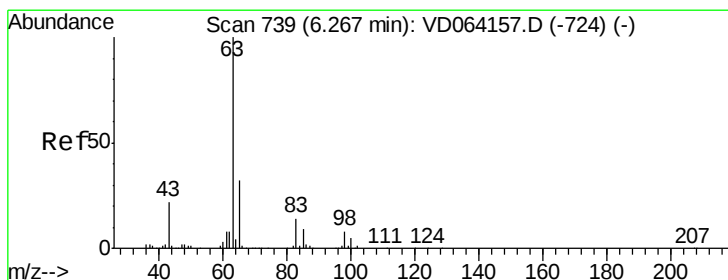
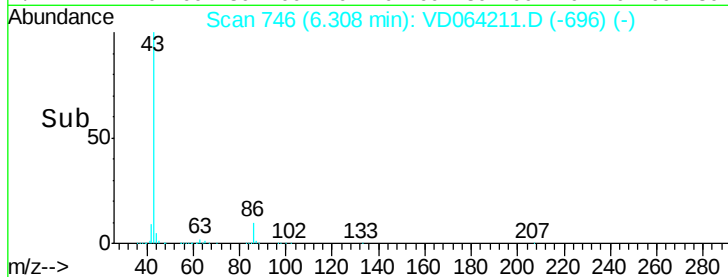
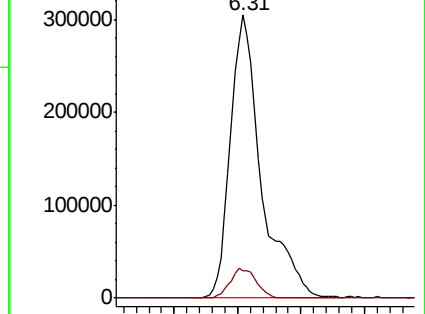
MMDadoda

11/15/2019 3:06:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.123 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

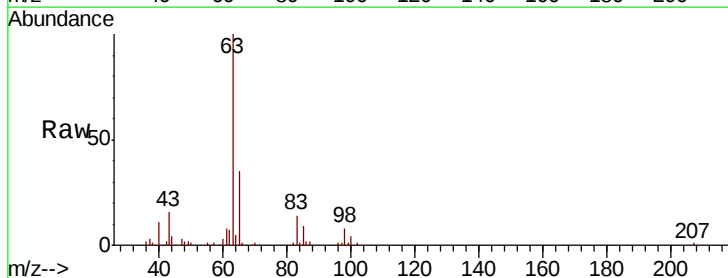
Tgt Ion: 63 Resp: 203026

Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.4

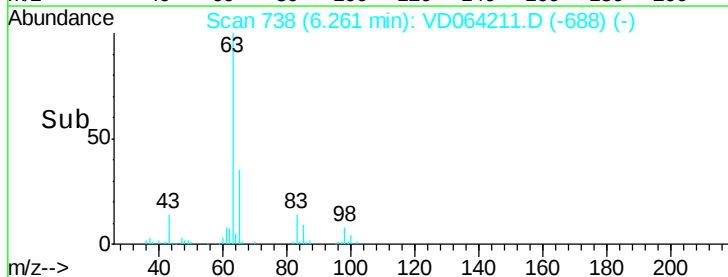
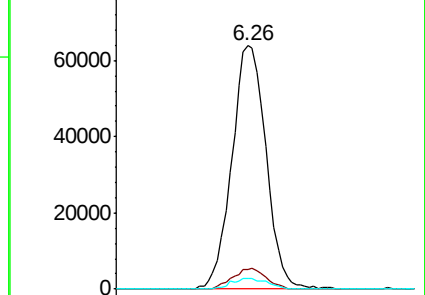
100 4.3 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 98.443 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tot Ion: 43 Resp: 156201

Ion Ratio Lower Upper

43 100

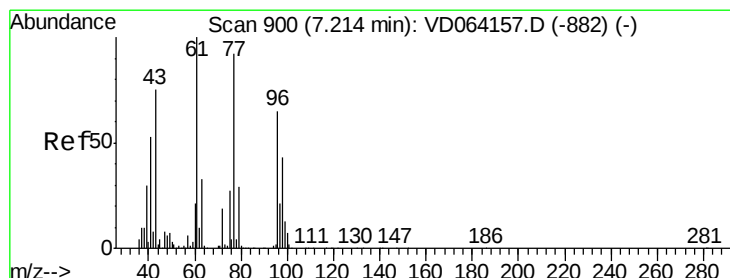
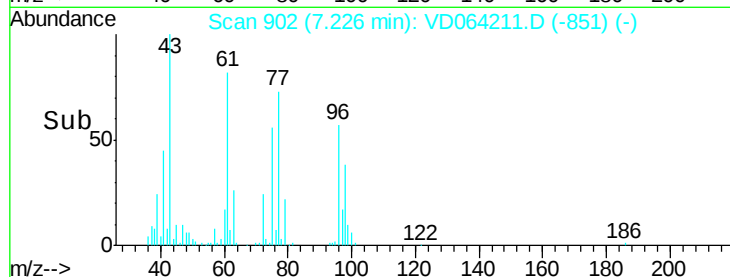
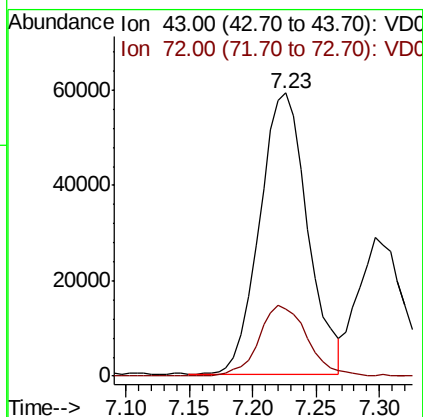
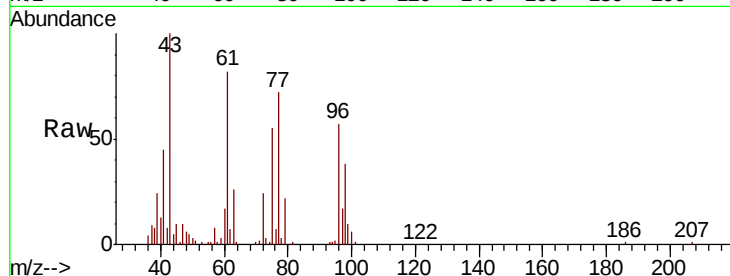
72 24.0 20.6 30.8

Manual Integrations

APPROVED

MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.642 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064211.D

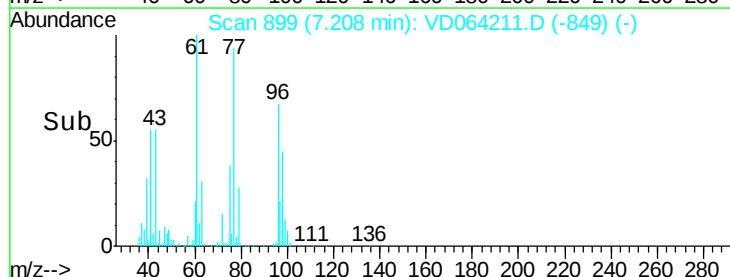
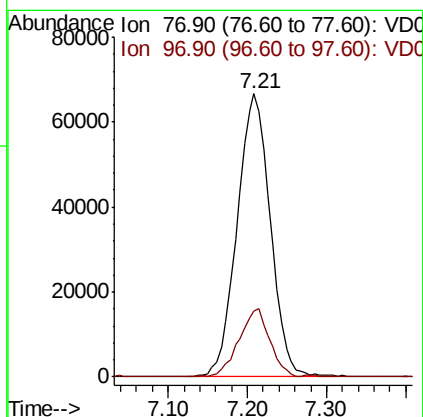
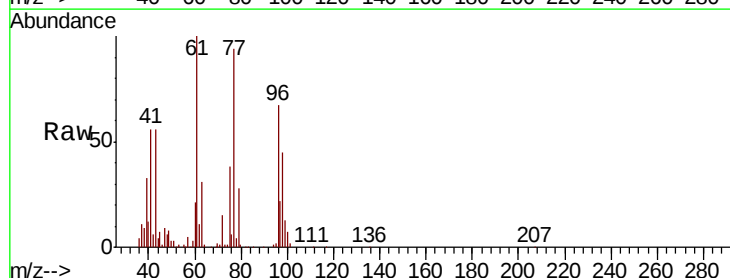
Acq: 14 Nov 2019 13:11

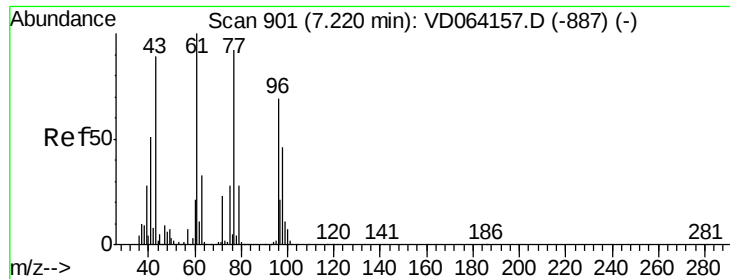
Tgt Ion: 77 Resp: 194338

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.3





#27

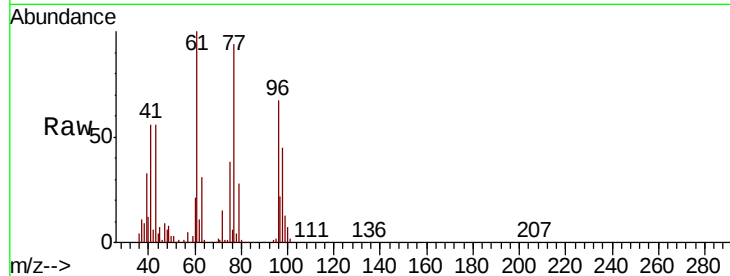
cis-1,2-Dichloroethene
Concen: 20.187 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

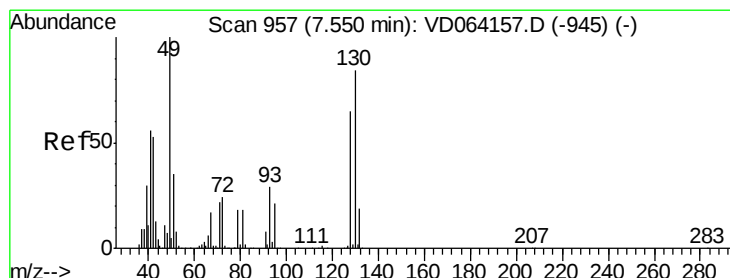
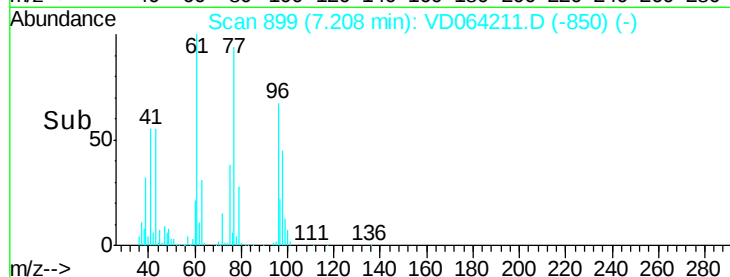
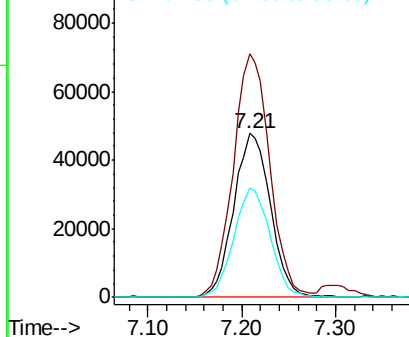
Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		129913		
61	147.2	0.0	301.4		
98	65.9	0.0	133.2		

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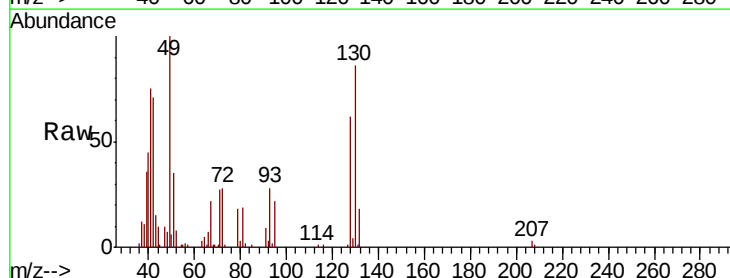
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



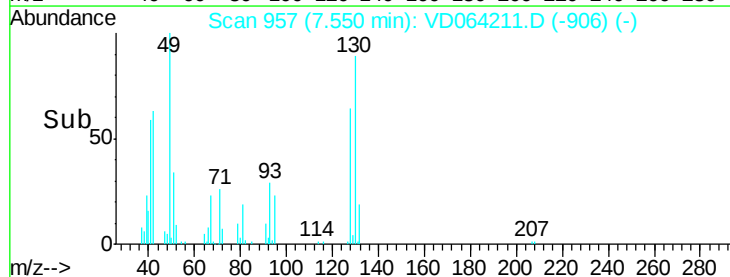
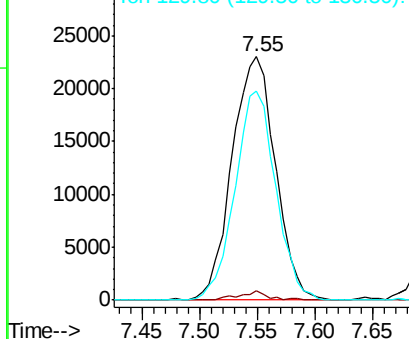
#28

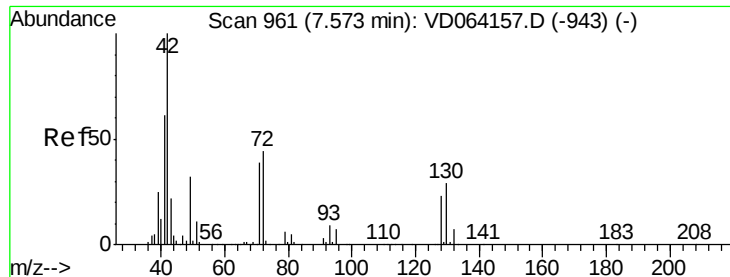
Bromochloromethane
Concen: 17.104 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		60080		
129	2.2	0.0	4.4		
130	80.9	66.8	100.2		



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





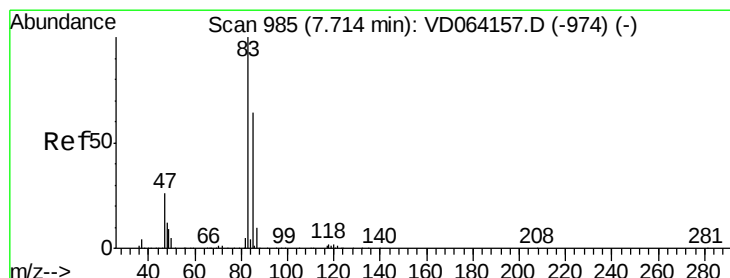
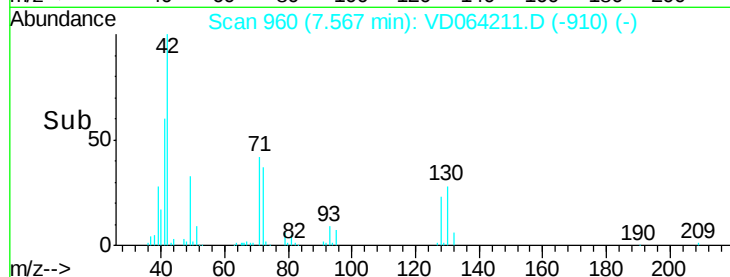
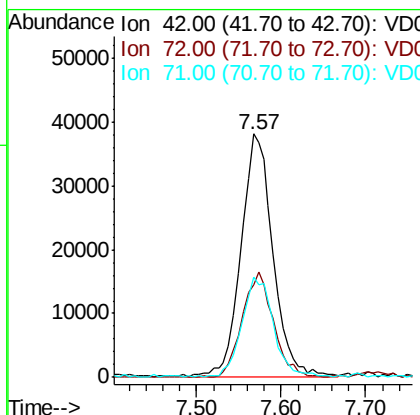
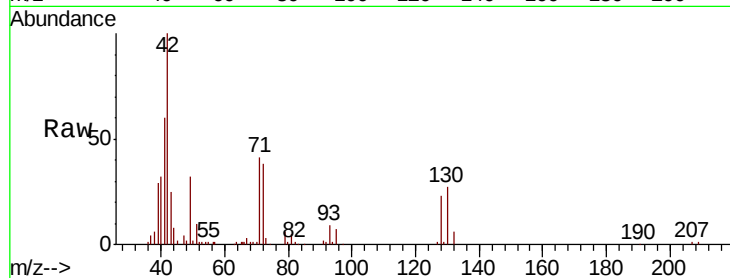
#29
Tetrahydrofuran
Concen: 105.612 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.4	50.2
71	40.8	31.0	46.4

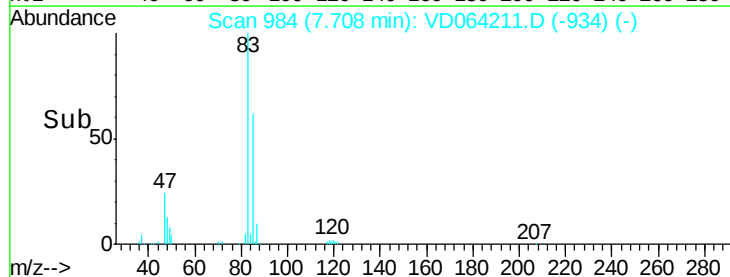
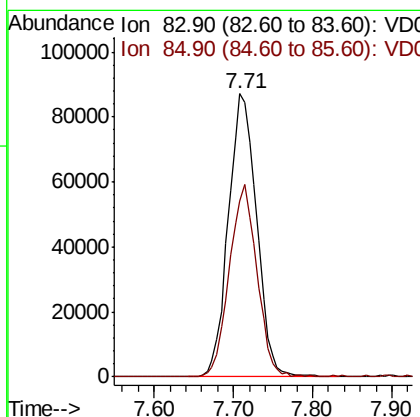
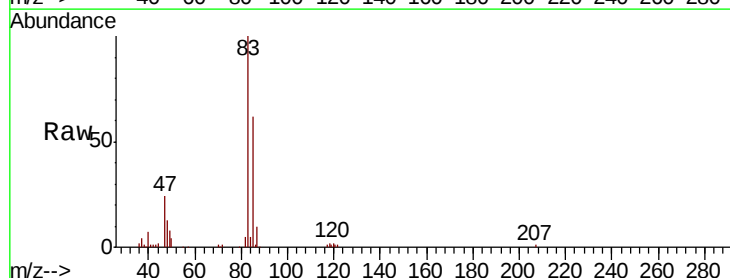
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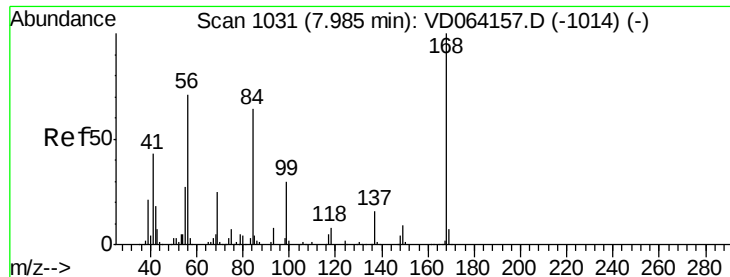
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#30
Chloroform
Concen: 20.824 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.4	77.0





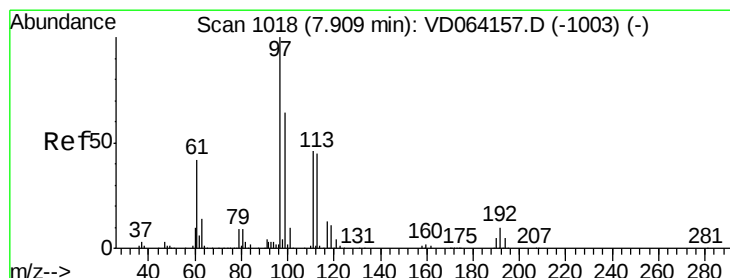
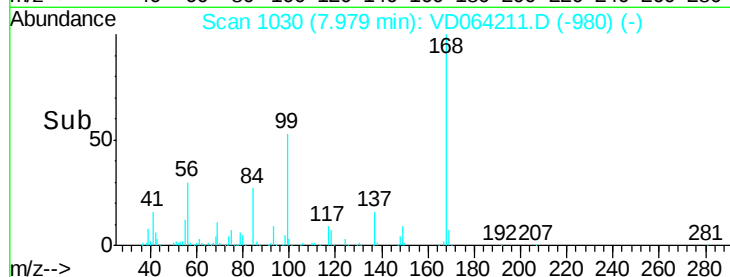
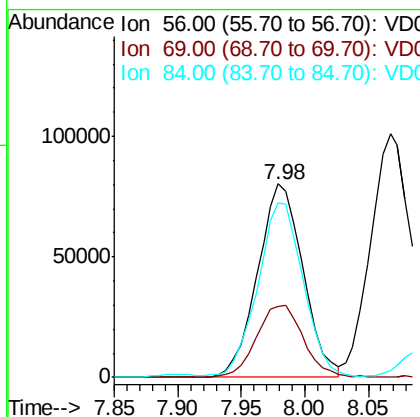
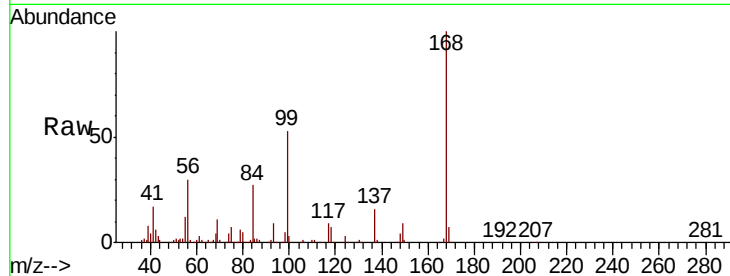
#31
Cyclohexane
Concen: 19.692 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	28.2	42.4
84	88.4	71.8	107.6

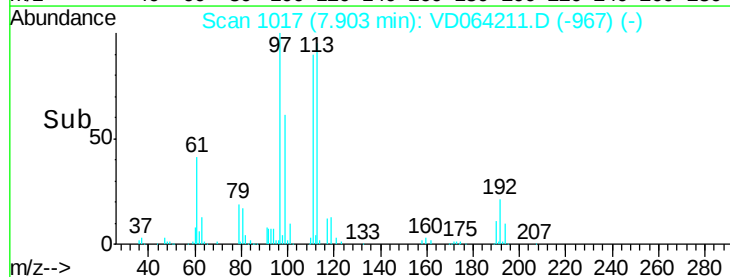
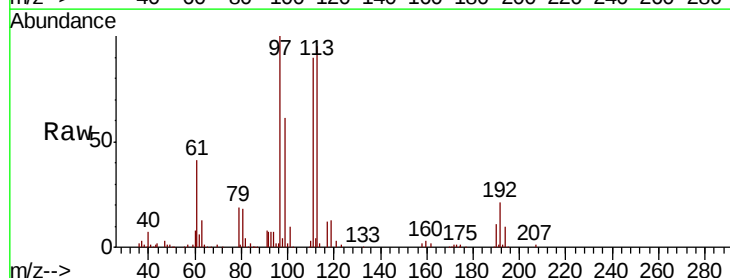
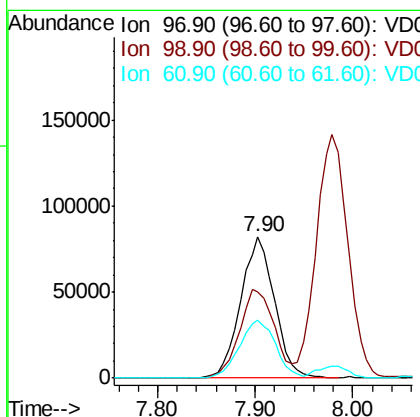
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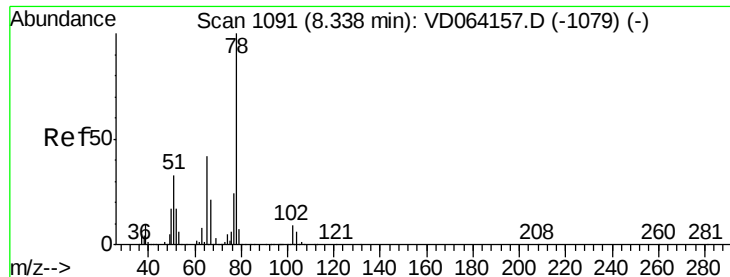
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#32
1,1,1-Trichloroethane
Concen: 20.101 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	43.3	34.2	51.2





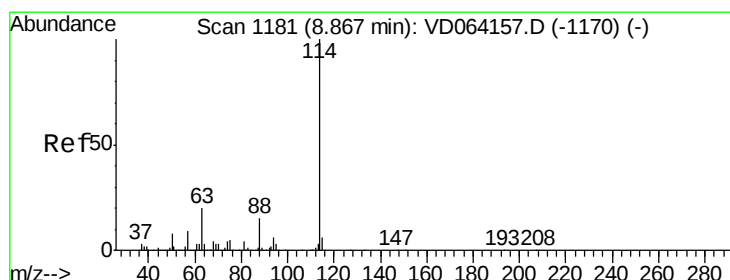
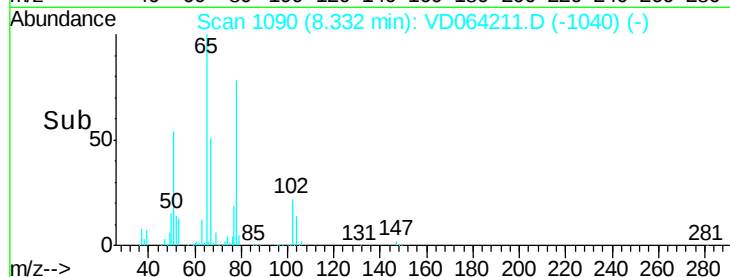
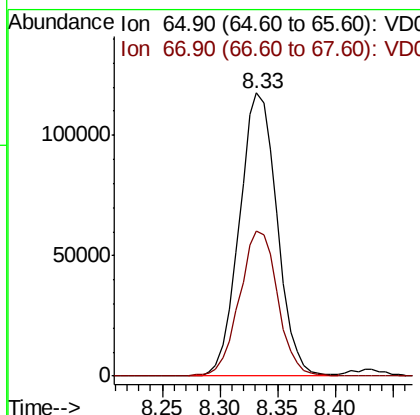
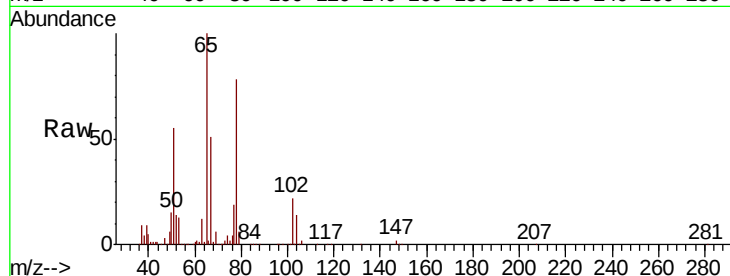
#33
 1,2-Dichloroethane-d4
 Concen: 51.611 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	104.4	

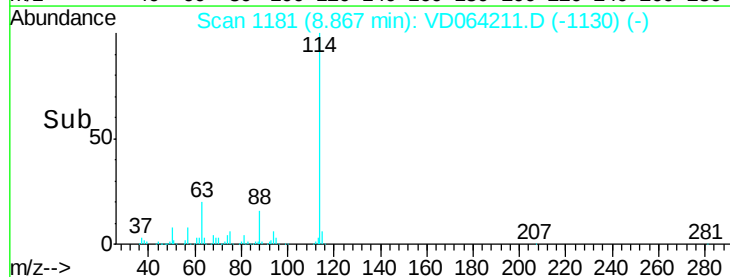
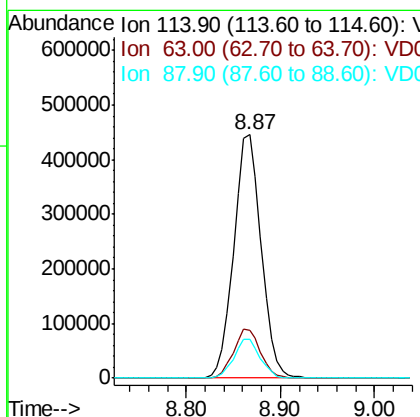
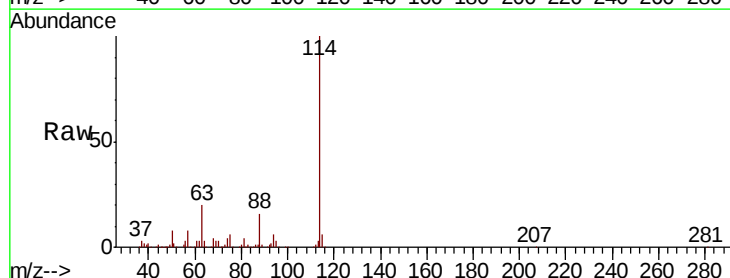
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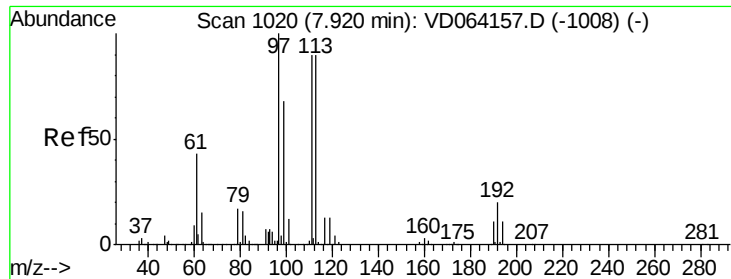
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	40.0	
88	15.8	0.0	30.2	





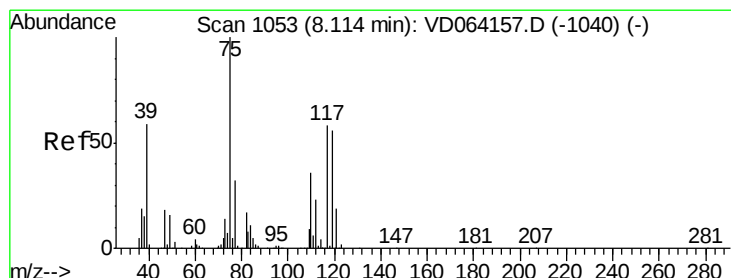
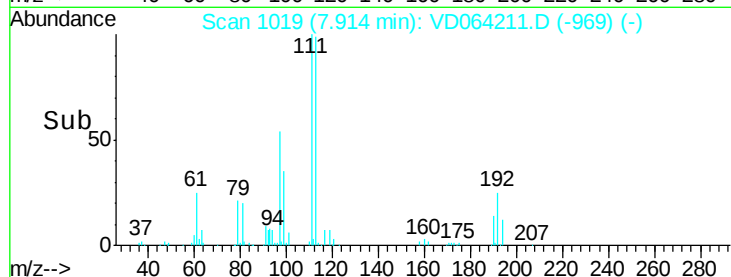
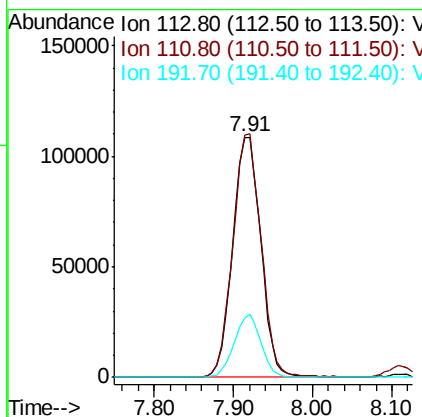
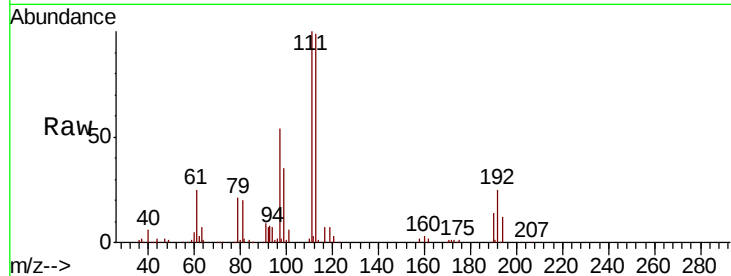
#35
 Dibromofluoromethane
 Concen: 51.921 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	268314		
111	101.4	81.5	122.3	
192	24.6	18.8	28.2	

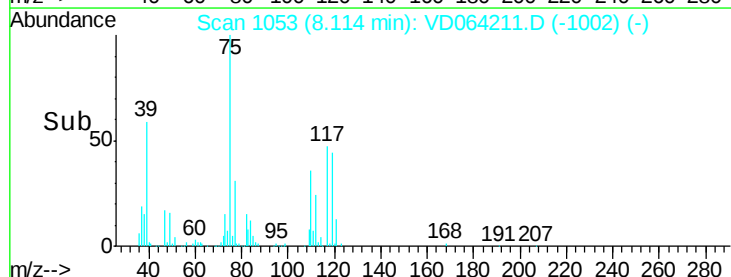
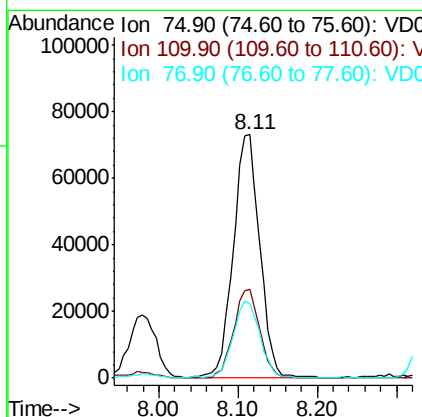
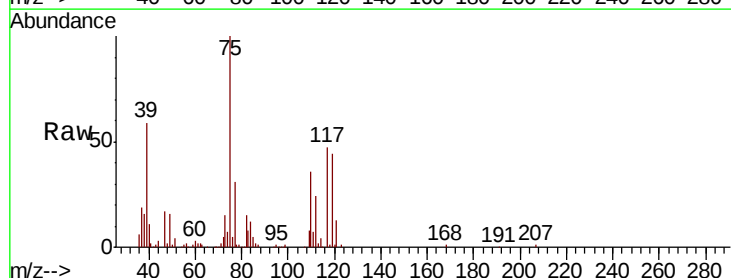
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#36
 1,1-Dichloropropene
 Concen: 20.415 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	169628		
110	35.9	18.3	54.9	
77	32.0	25.0	37.6	





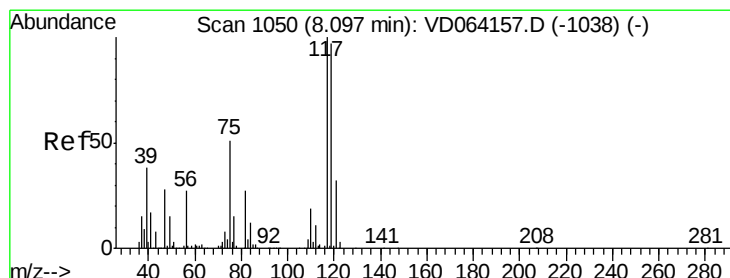
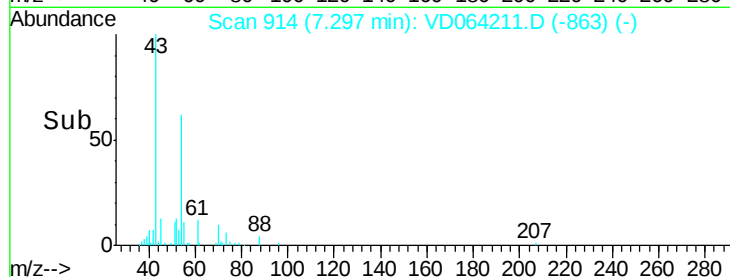
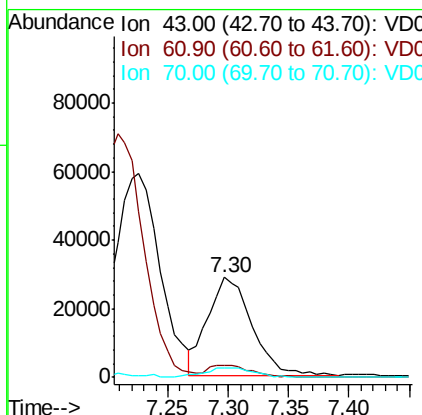
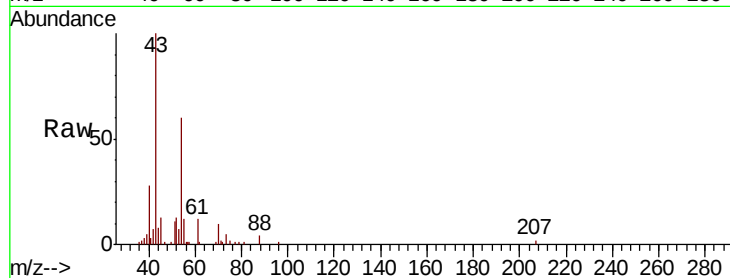
#37
Ethyl Acetate
Concen: 20.747 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleID :
VD1114SBS01

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

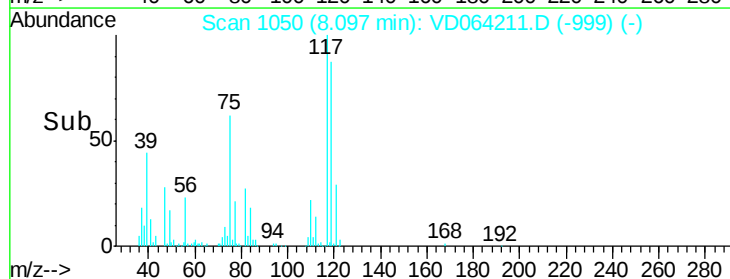
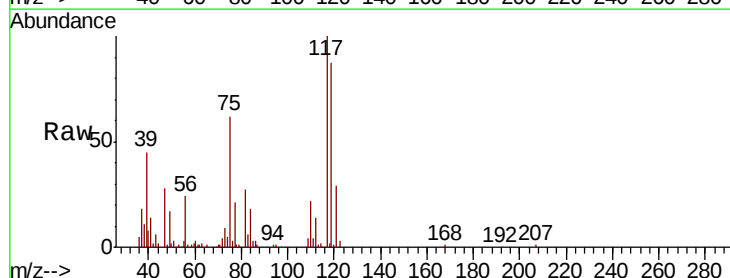
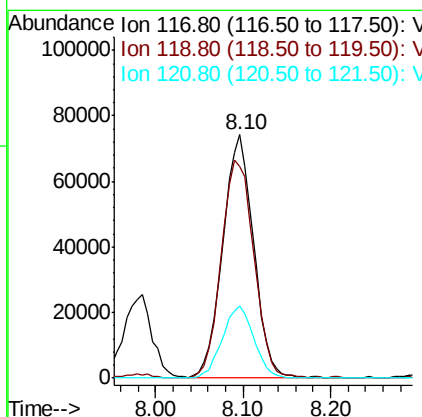
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#38
Carbon Tetrachloride
Concen: 20.135 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.7	77.2	115.8
121	29.4	25.5	38.3





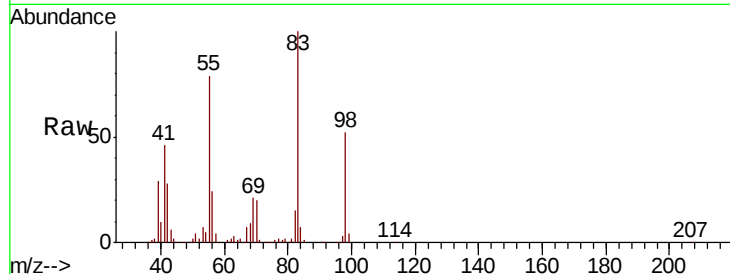
#39
Methvlcvclohexane
Concen: 19.759 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

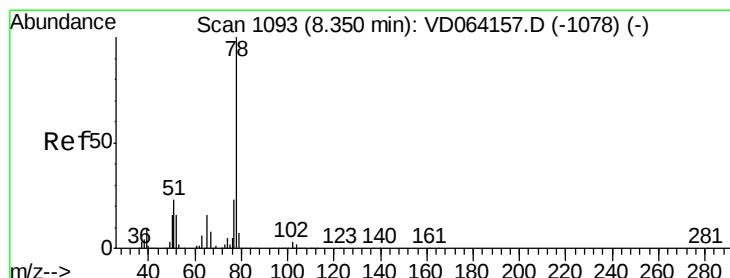
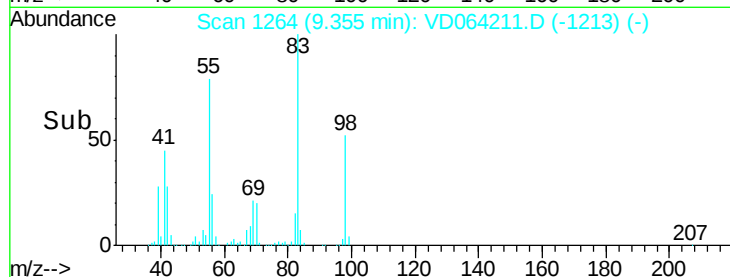
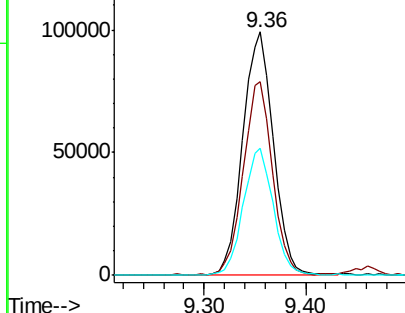
Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	61.7	92.5
98	52.3	38.6	58.0

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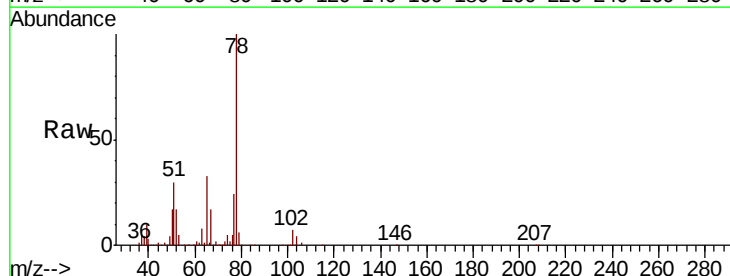


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

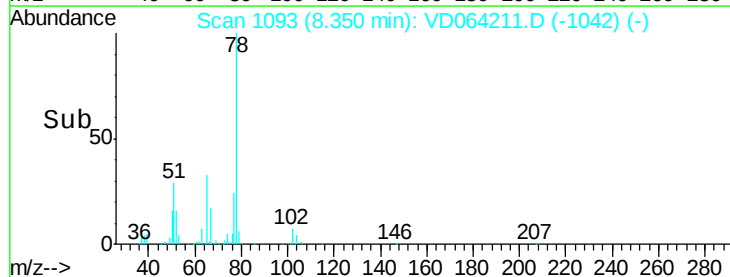
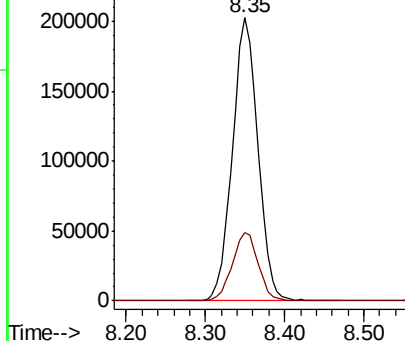


#40
Benzene
Concen: 19.844 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.6	28.0



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





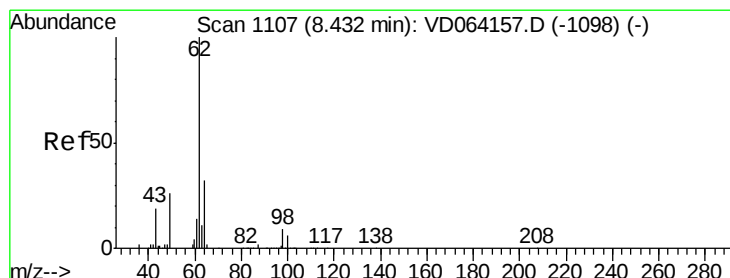
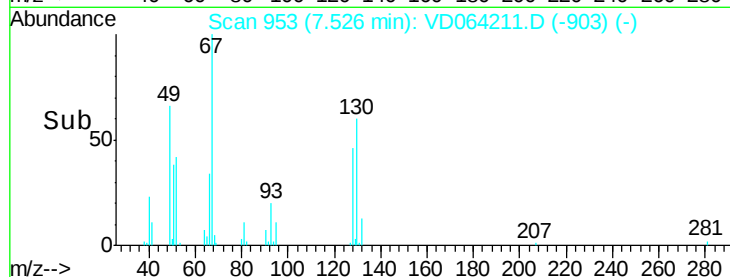
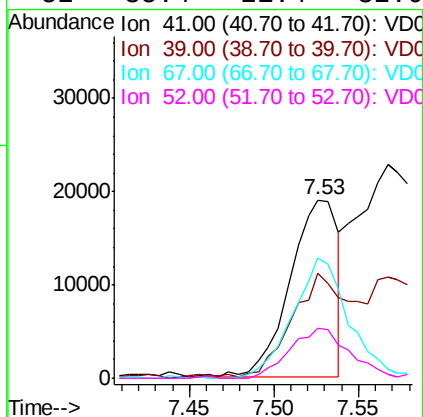
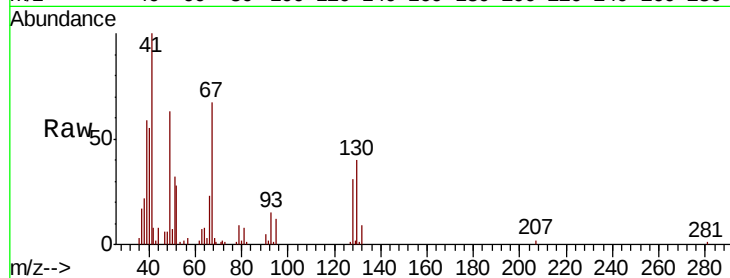
#41
Methacrylonitrile
Concen: 17.019 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.0	49.4	74.2
67	79.9	49.6	74.4#
52	35.4	21.4	32.0#

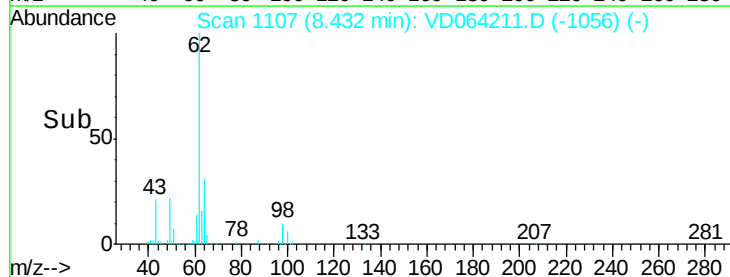
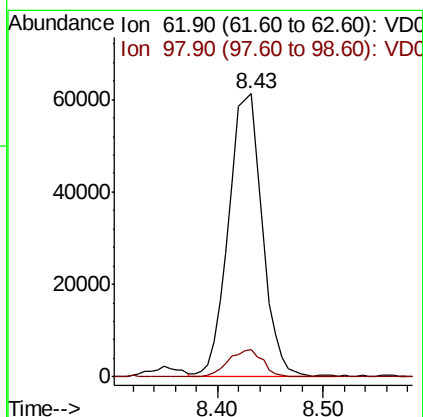
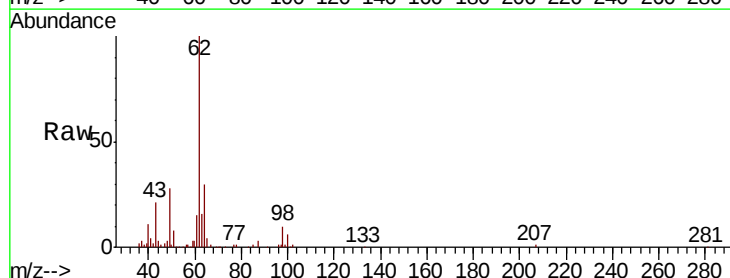
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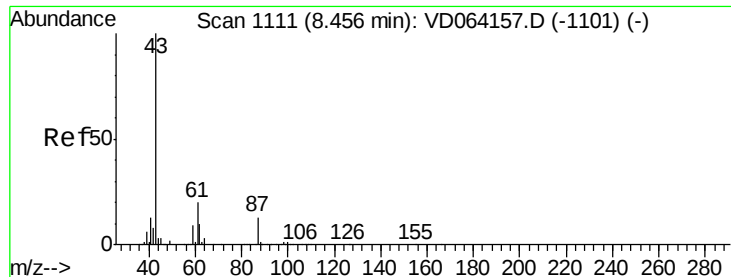
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#42
1,2-Dichloroethane
Concen: 19.984 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





#43

Isopropyl Acetate

Concen: 20.212 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

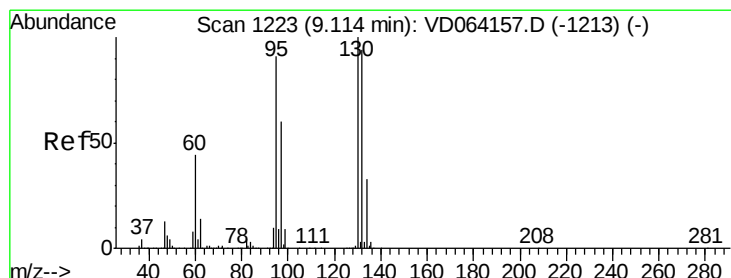
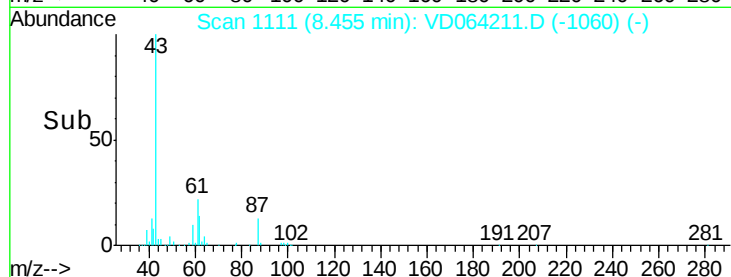
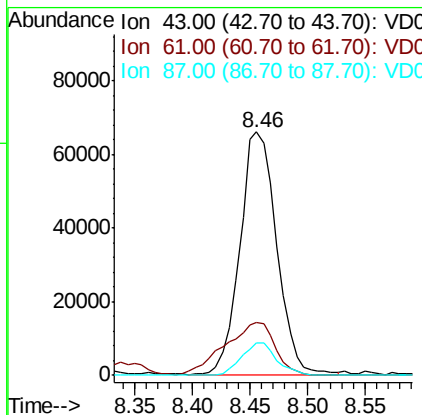
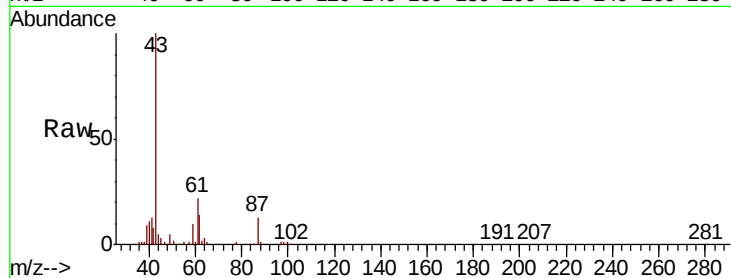
ClientSampleId :

VD1114SBS01

Tot Ion:	43	Resp:	145872
Ion	Ratio	Lower	Upper
43	100		
61	29.7	22.9	34.3
87	12.8	10.2	15.2

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#44

Trichloroethene

Concen: 20.007 ug/l

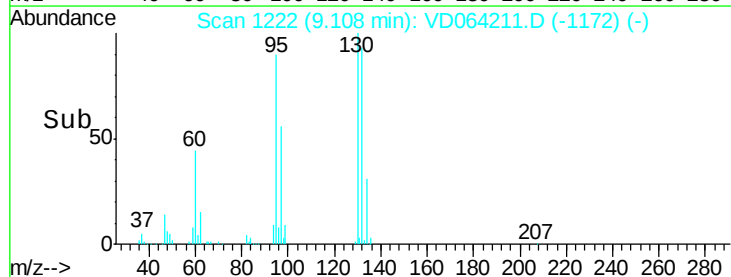
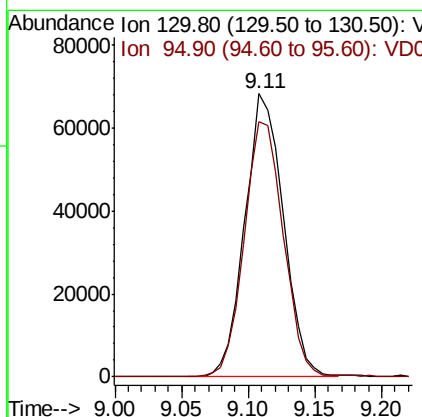
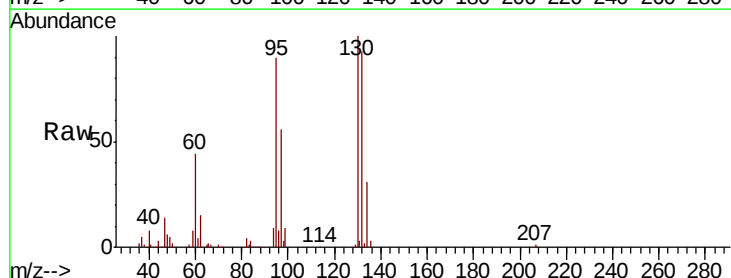
RT: 9.11 min Scan# 1222

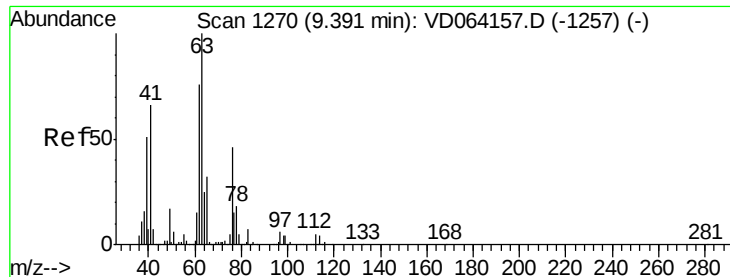
Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Tgt Ion:	130	Resp:	136356
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	181.6





#45

1,2-Dichloropropane

Concen: 19.982 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tot Ion: 63 Resp: 110441

Ion Ratio Lower Upper

63 100

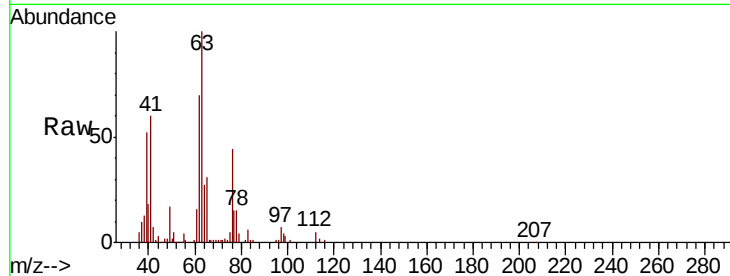
65 30.5 25.7 38.5

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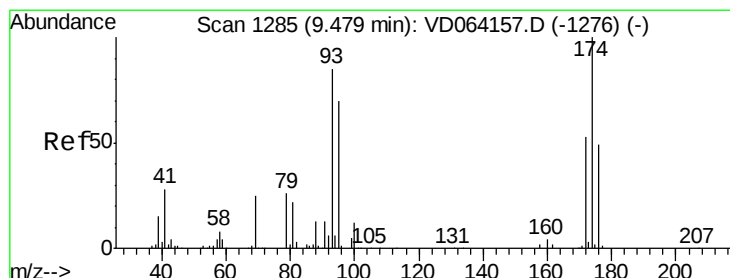
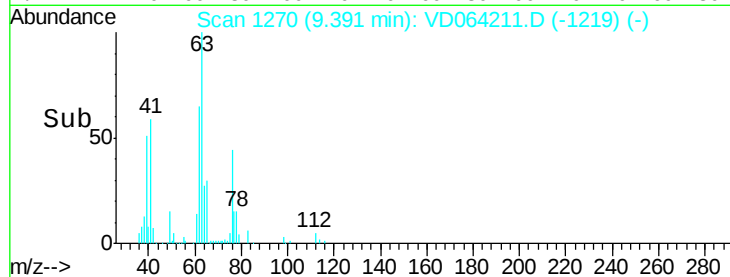
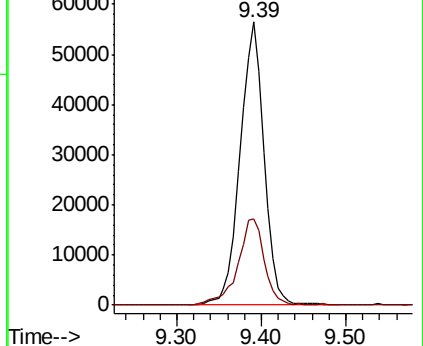
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.262 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

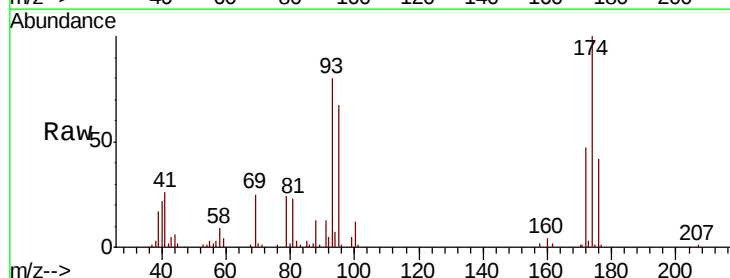
Tgt Ion: 93 Resp: 59956

Ion Ratio Lower Upper

93 100

95 83.1 65.5 98.3

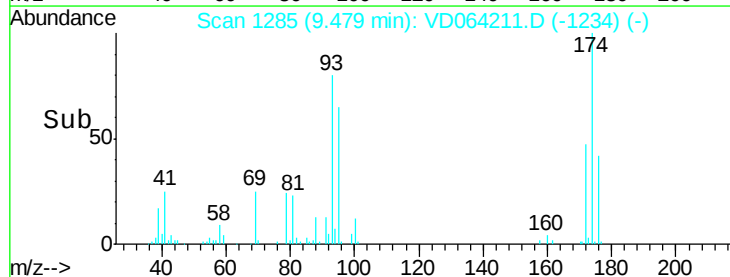
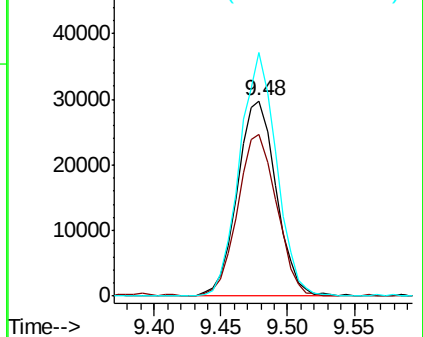
174 118.3 93.9 140.9

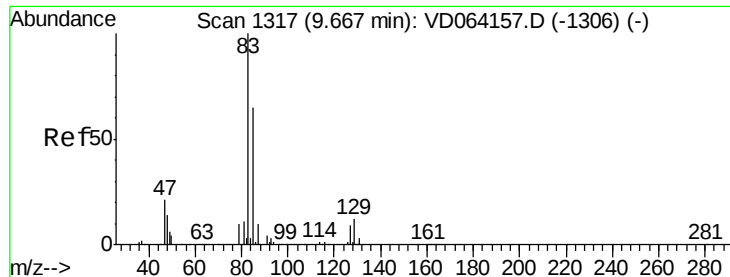


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.203 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

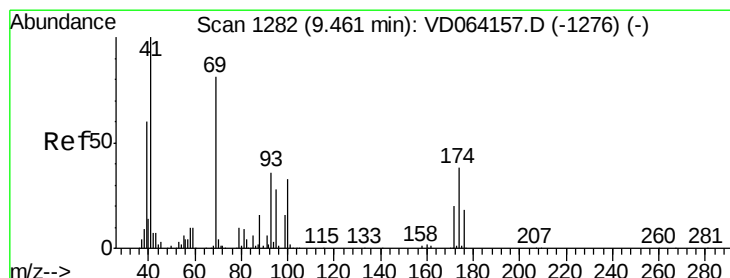
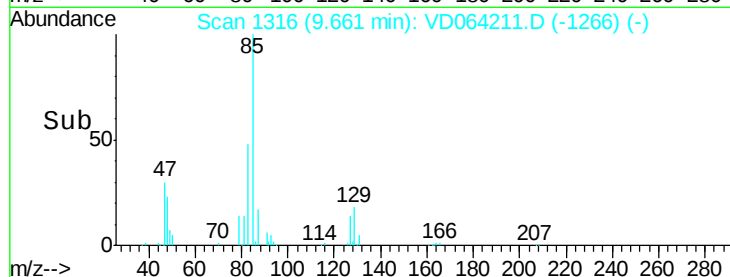
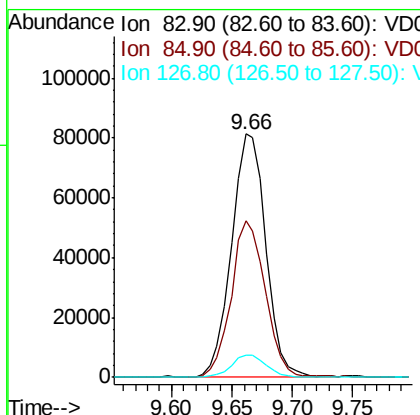
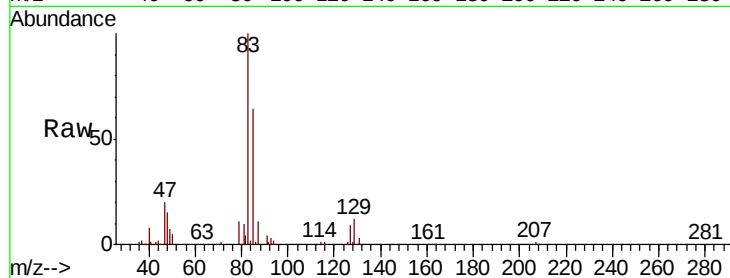
ClientSampleId :

VD1114SBSD01

Tot Ion:	83	Resp:	161026
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.4
127	9.2	7.5	11.3

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#48

Methyl methacrylate

Concen: 18.431 ug/l

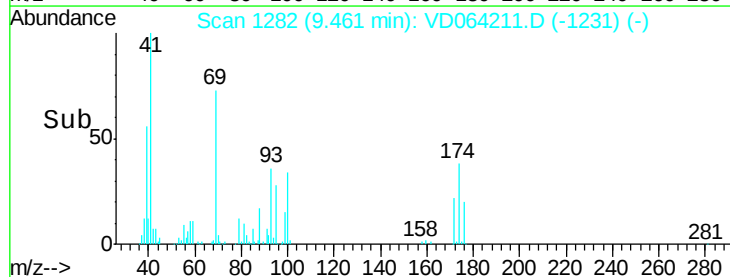
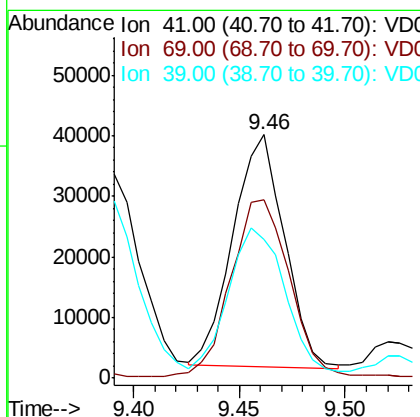
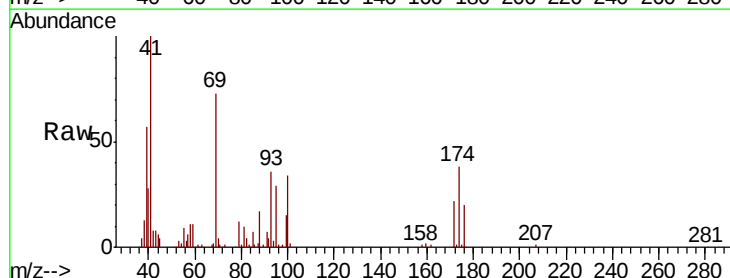
RT: 9.46 min Scan# 1282

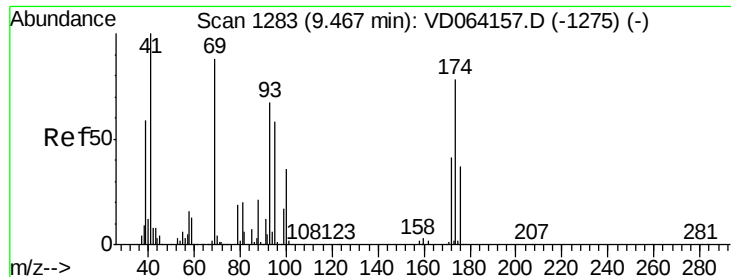
Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Tgt Ion:	41	Resp:	65045
Ion	Ratio	Lower	Upper
41	100		
69	86.3	64.6	97.0
39	73.2	48.2	72.2#





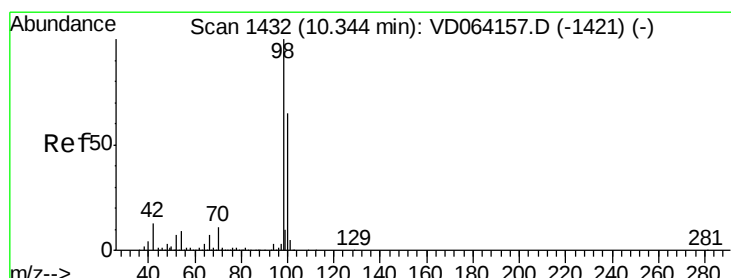
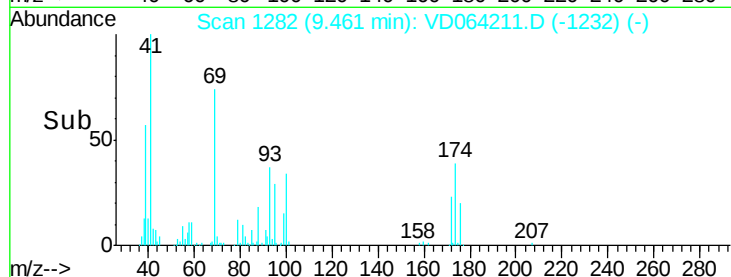
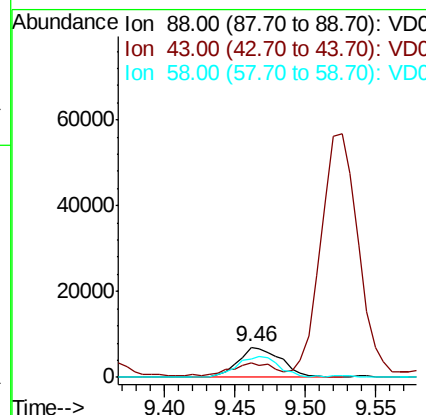
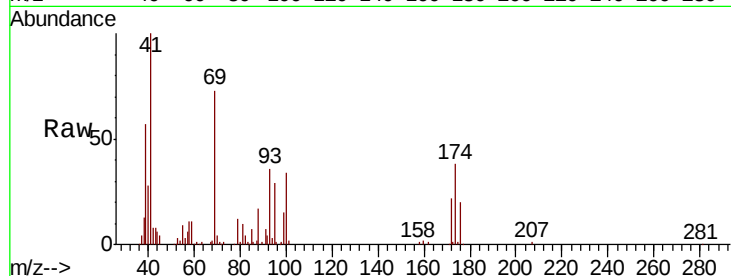
#49
1,4-Dioxane
Concen: 419.955 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	29.8	44.8
58	68.2	58.1	87.1

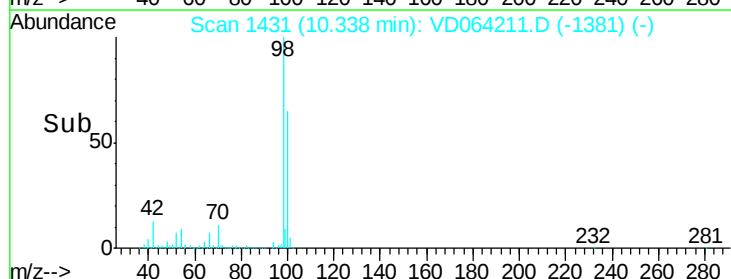
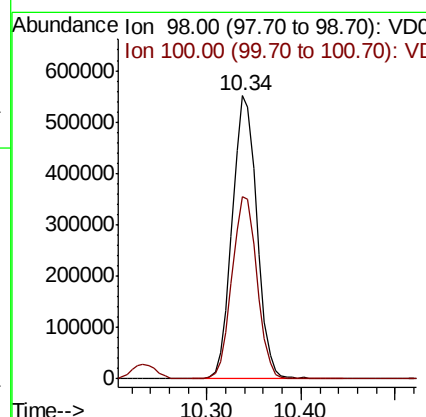
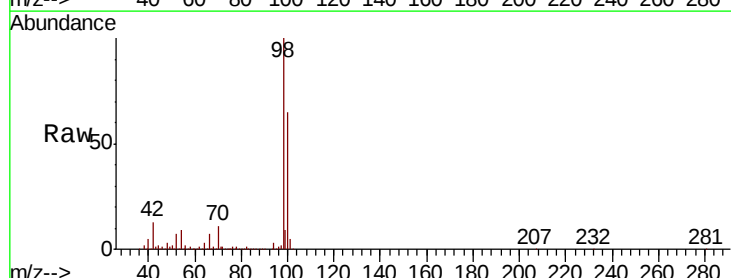
Manual Integrations
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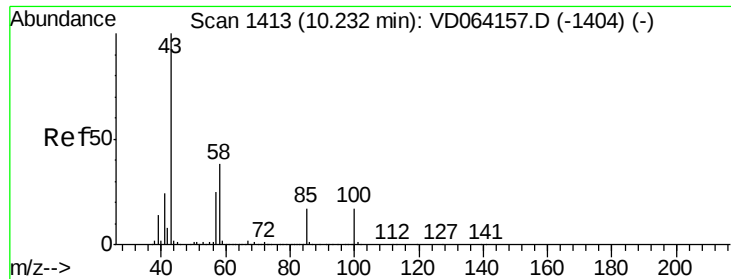
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#50
Toluene-d8
Concen: 51.668 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 101.748 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 43 Resp: 352145

Ion Ratio Lower Upper

43 100

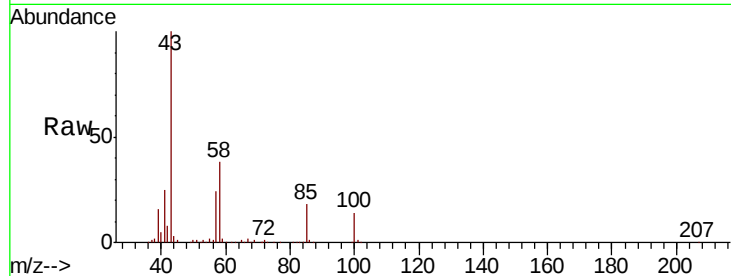
58 37.8 30.2 45.4

Manual Integrations

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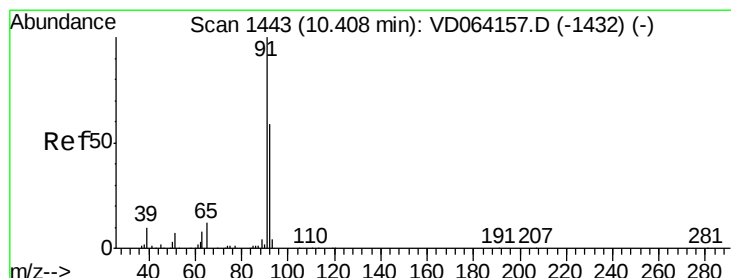
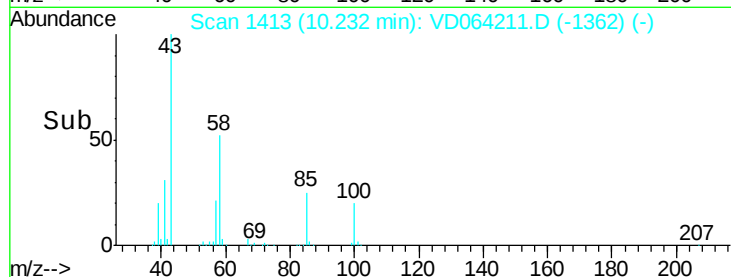
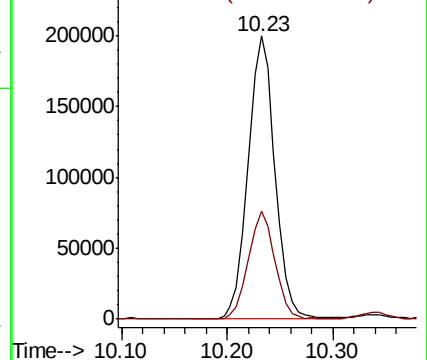
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.853 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064211.D

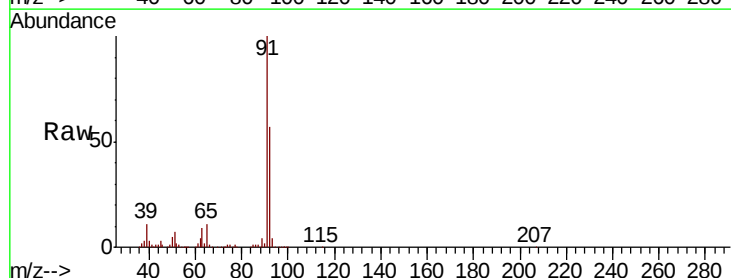
Acq: 14 Nov 2019 13:11

Tgt Ion: 92 Resp: 296440

Ion Ratio Lower Upper

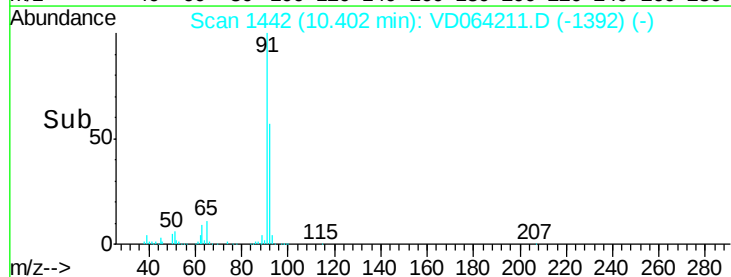
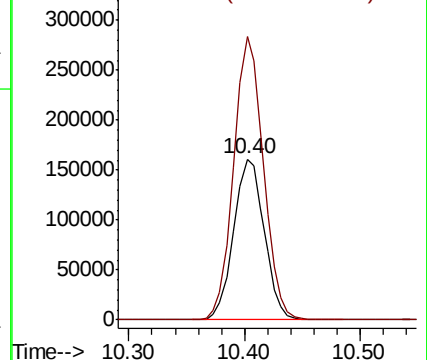
92 100

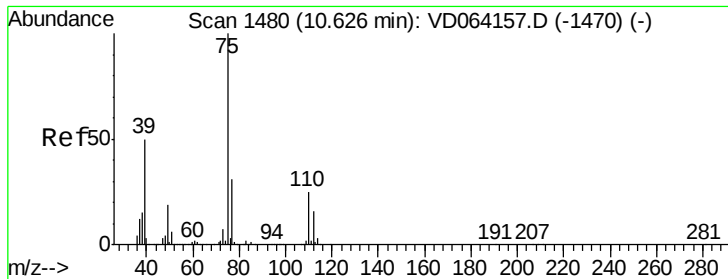
91 171.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





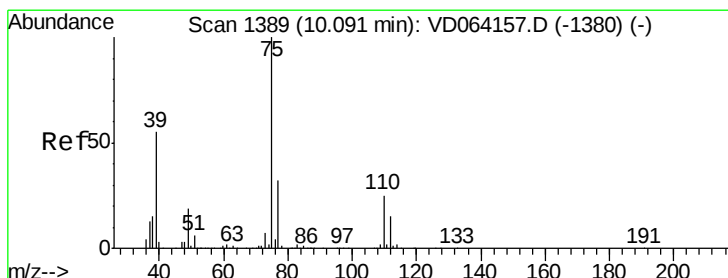
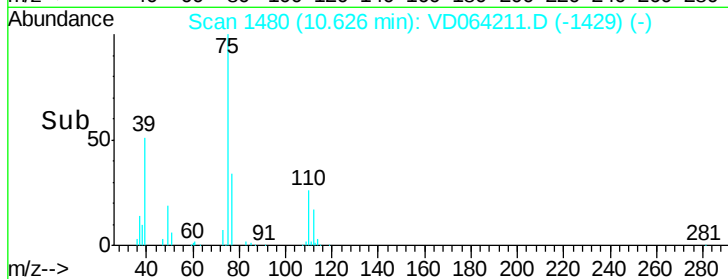
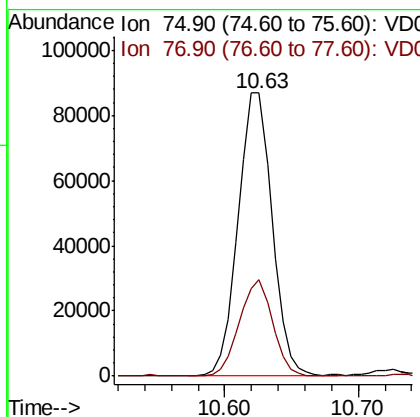
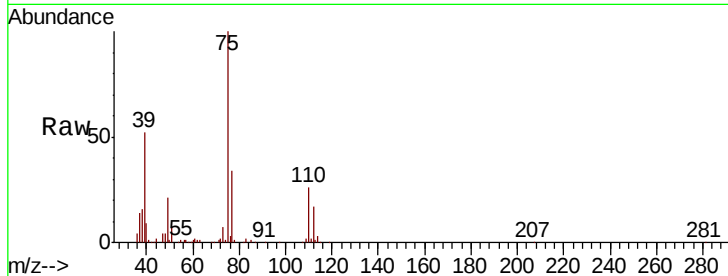
#53
 t-1,3-Dichloropropene
 Concen: 19.303 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion: 75 Resp: 154131
 Ion Ratio Lower Upper
 75 100
 77 34.0 24.7 37.1

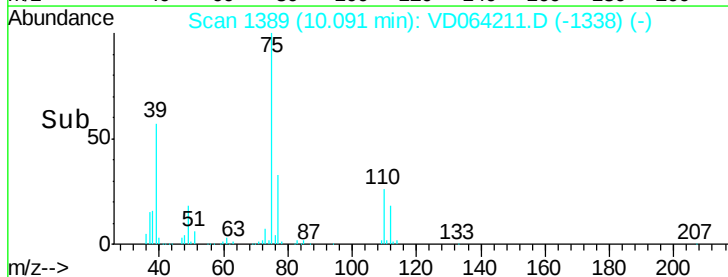
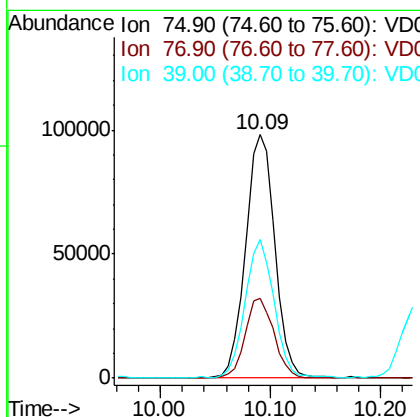
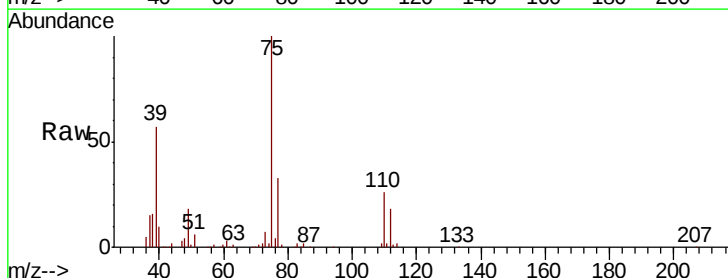
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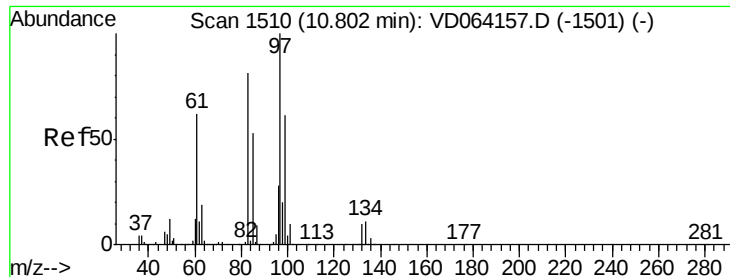
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#54
 cis-1,3-Dichloropropene
 Concen: 19.635 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion: 75 Resp: 182957
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.2 37.8
 39 56.9 44.2 66.2





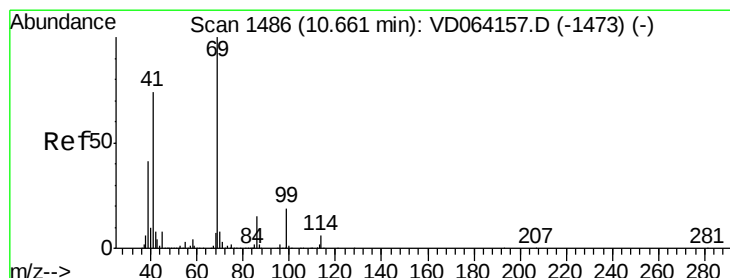
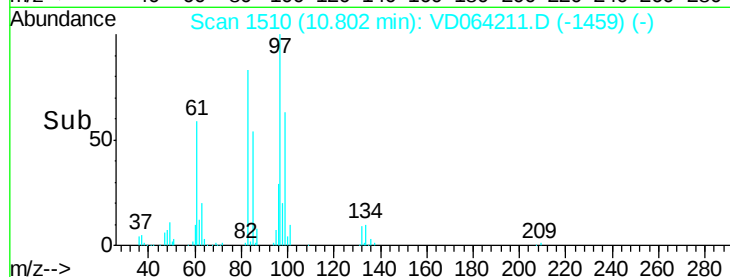
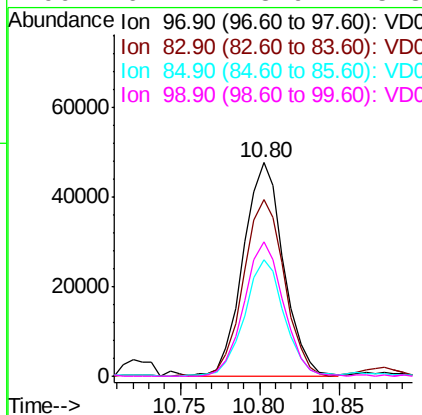
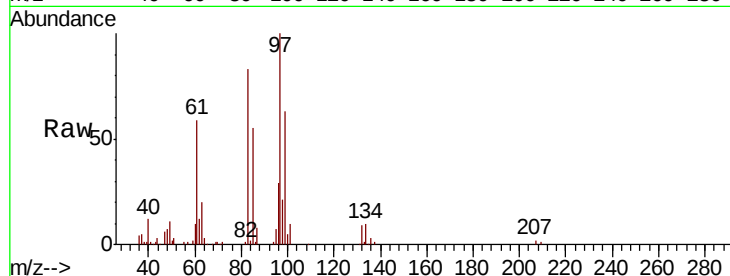
#55
 1,1,2-Trichloroethane
 Concen: 21.065 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBSD01

Tot Ion:	97	Resp:	84556
Ion	Ratio	Lower	Upper
97	100		
83	82.5	65.1	97.7
85	54.2	42.0	63.0
99	62.7	48.9	73.3

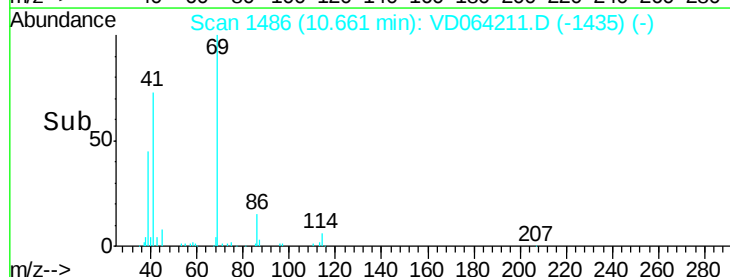
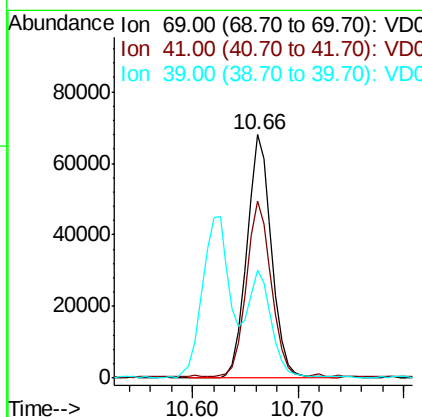
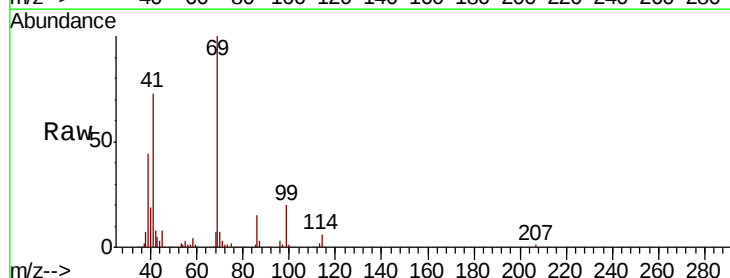
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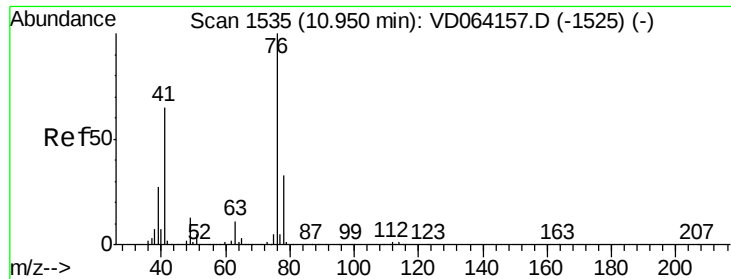
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#56
 Ethyl methacrylate
 Concen: 19.691 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion:	69	Resp:	110566
Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.9	86.9
39	42.2	29.0	43.4





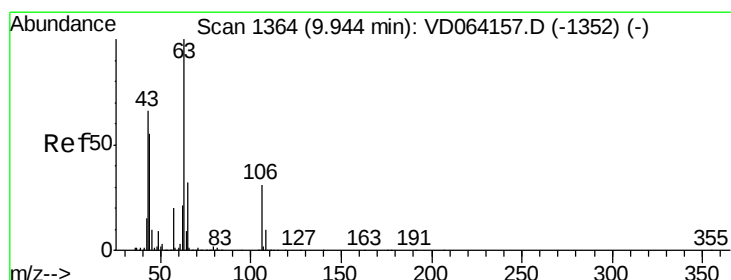
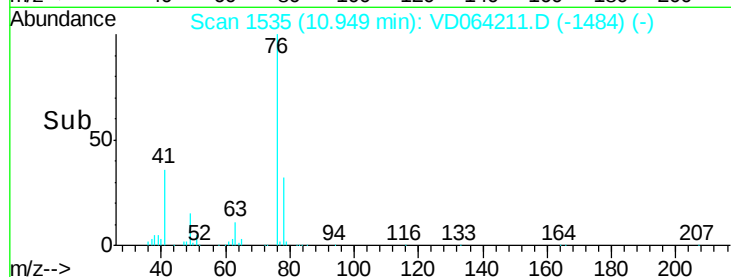
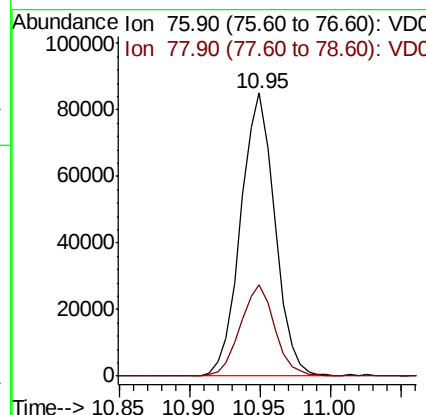
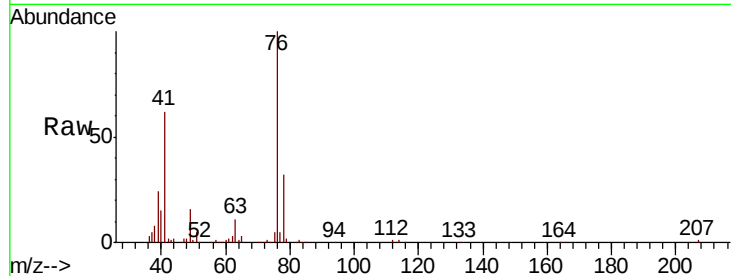
#57
 1,3-Dichloropropane
 Concen: 20.619 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion: 76 Resp: 144347
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4

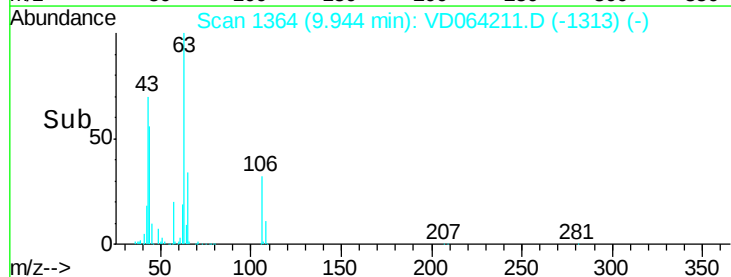
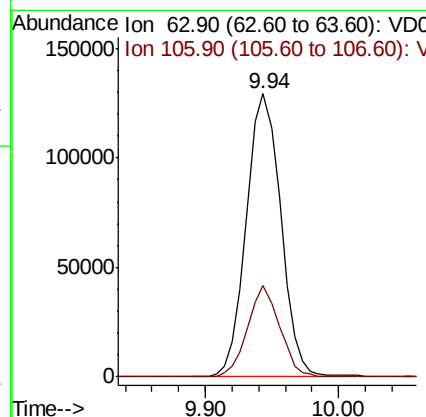
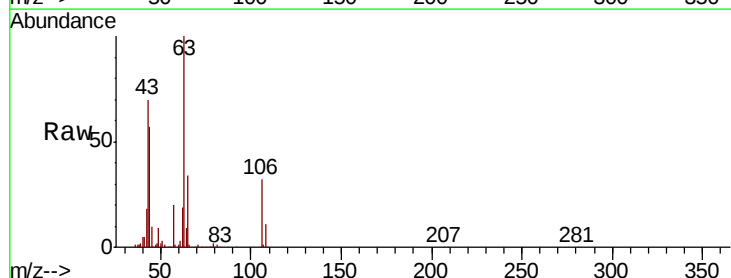
Manual Integrations
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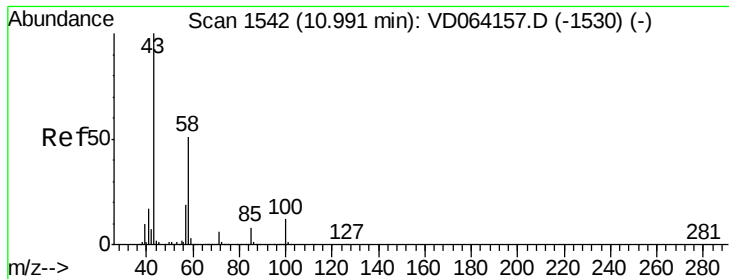
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#58
 2-Chloroethyl Vinyl ether
 Concen: 101.918 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion: 63 Resp: 231818
 Ion Ratio Lower Upper
 63 100
 106 29.9 24.1 36.1





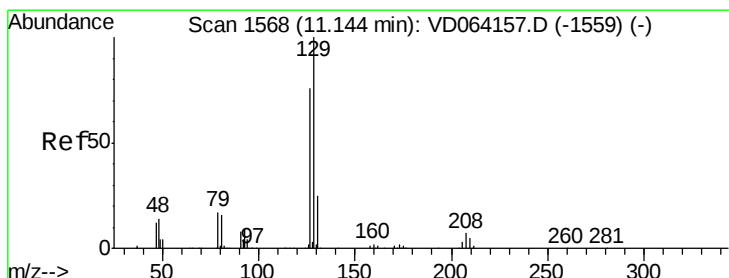
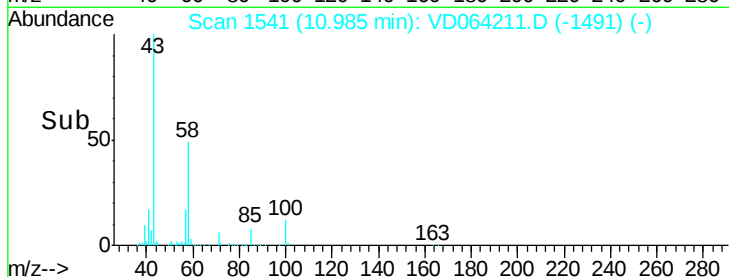
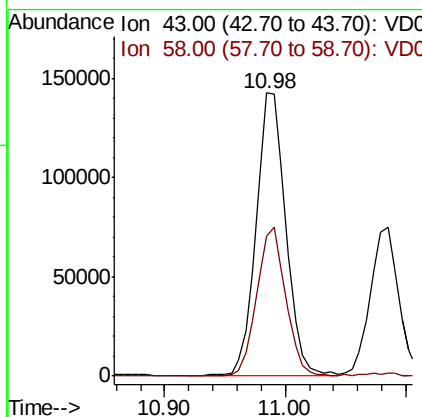
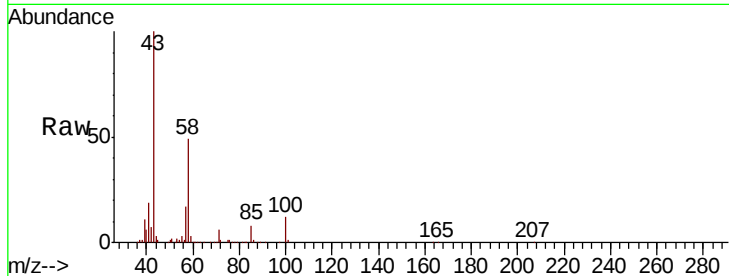
#59
2-Hexanone
Concen: 98.600 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tot Ion: 43 Resp: 242781
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7

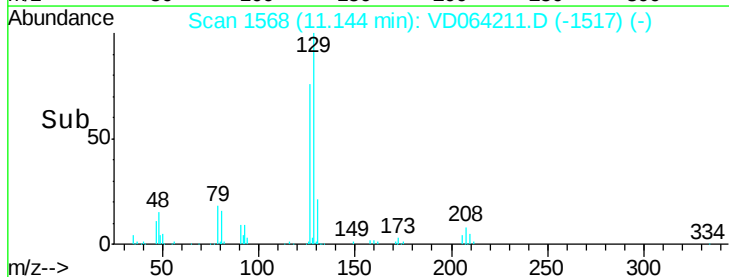
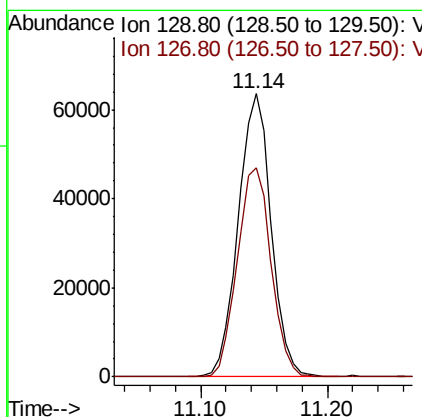
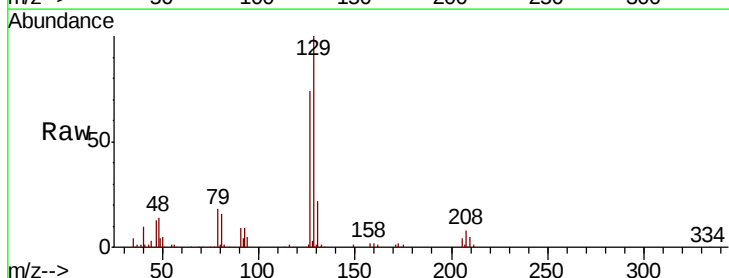
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#60
Dibromochloromethane
Concen: 20.435 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 129 Resp: 114461
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.8





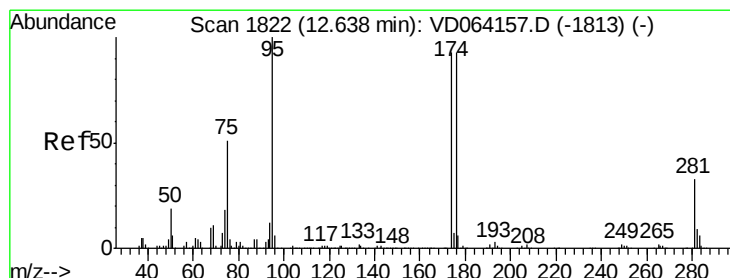
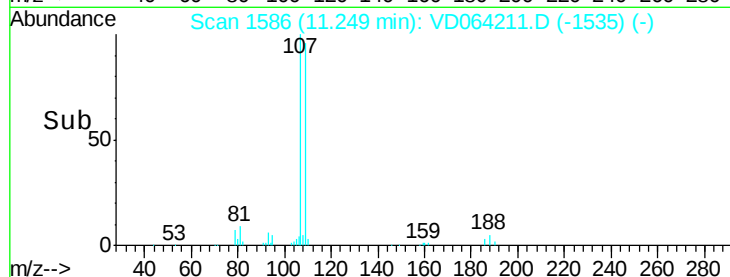
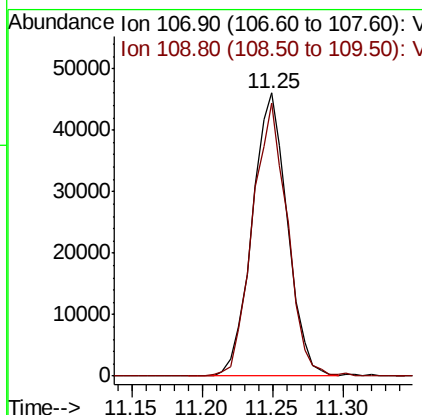
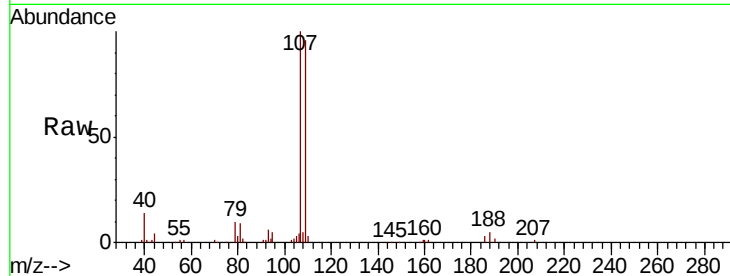
#61
 1,2-Dibromoethane
 Concen: 20.130 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.1	112.7

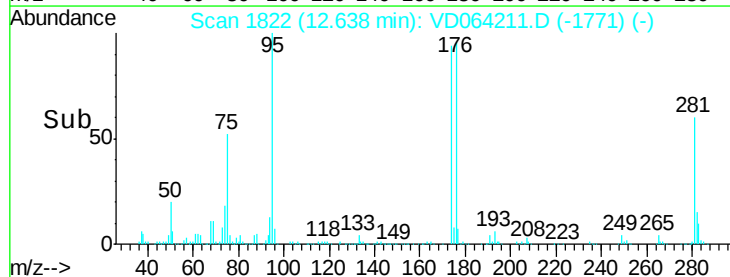
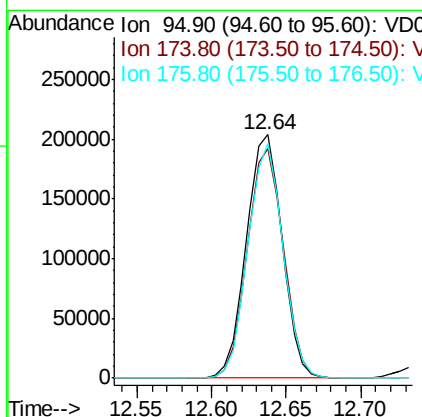
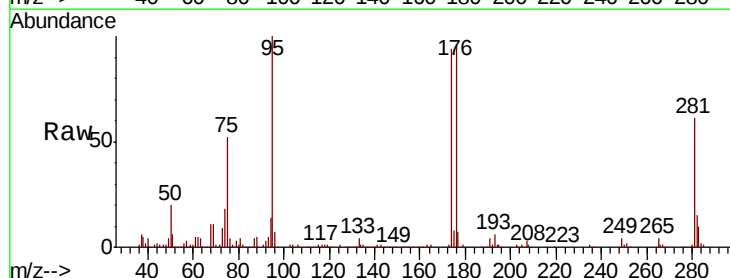
Manual Integrations
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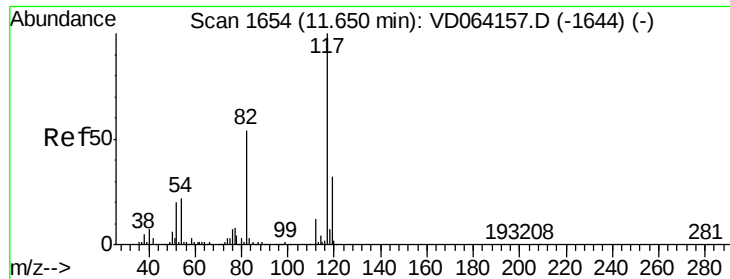
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#62
 4-Bromofluorobenzene
 Concen: 50.178 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	183.6
176	93.9	0.0	180.2





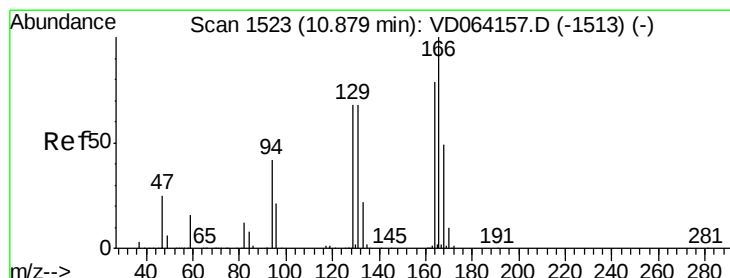
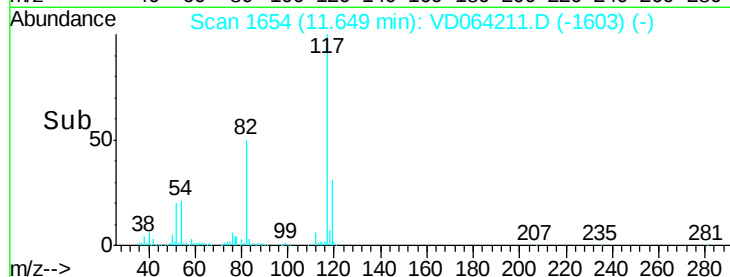
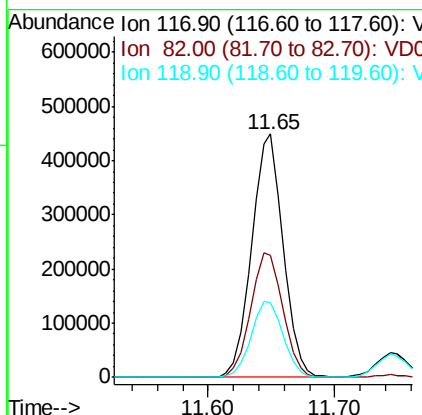
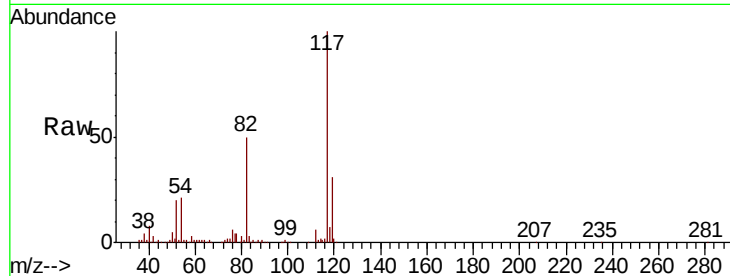
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	42.8	64.2
119	30.6	25.6	38.4

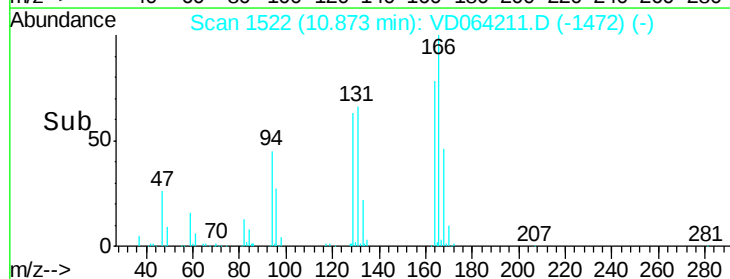
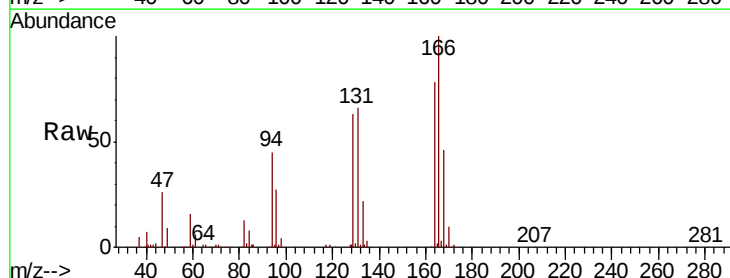
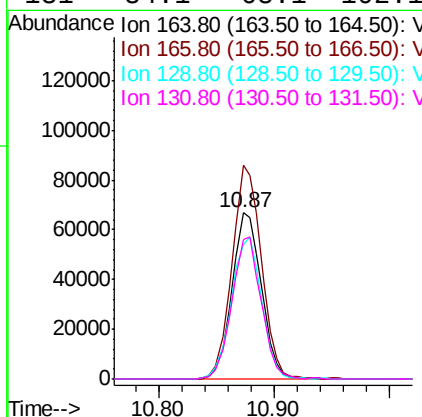
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#64
Tetrachloroethene
Concen: 19.721 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	100.8	151.2
129	80.8	68.7	103.1
131	84.1	68.1	102.1





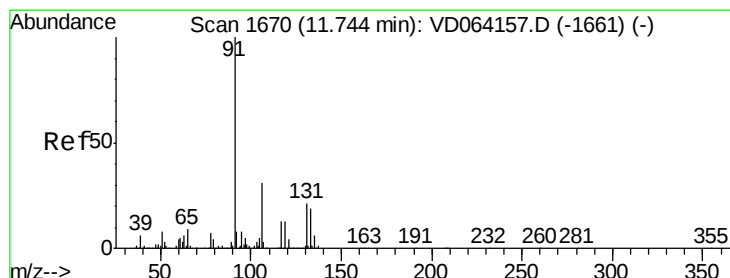
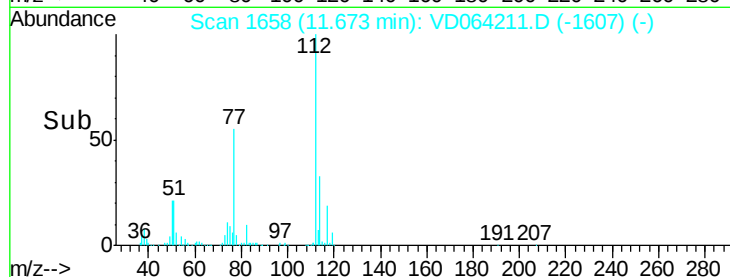
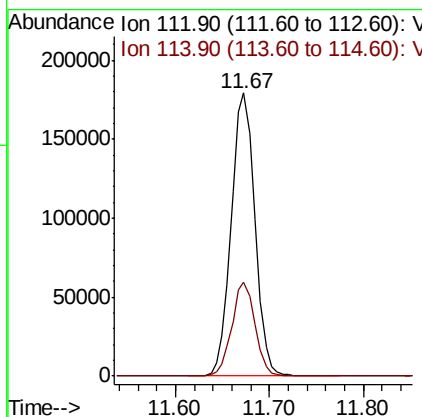
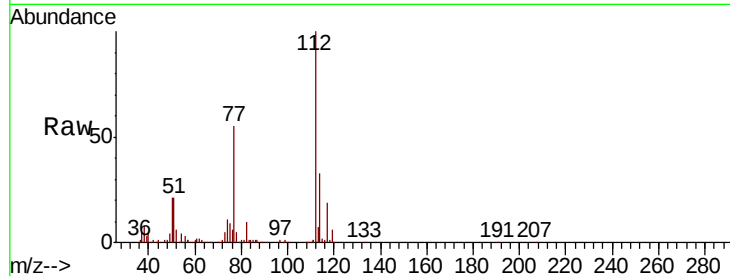
#65
Chlorobenzene
Concen: 19.836 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tot Ion:112 Resp: 313524
Ion Ratio Lower Upper
112 100
114 33.0 25.2 37.8

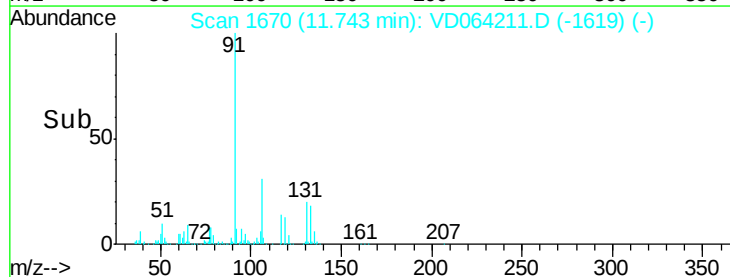
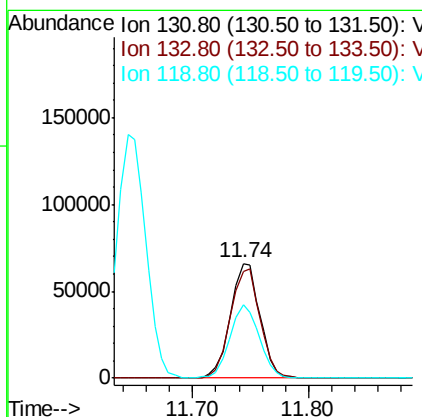
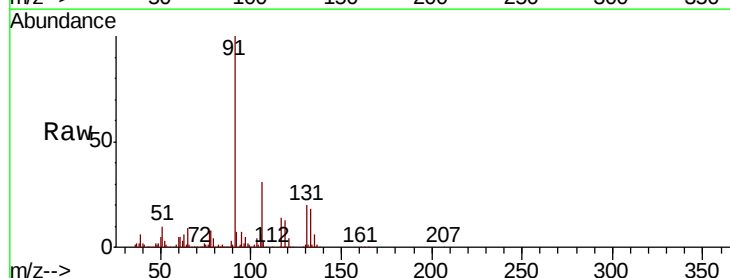
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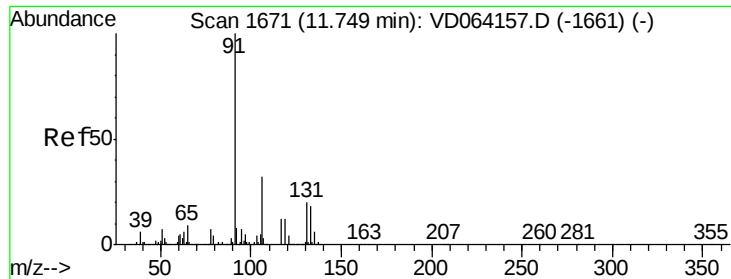
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.514 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion:131 Resp: 117280
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 63.7 31.1 93.3





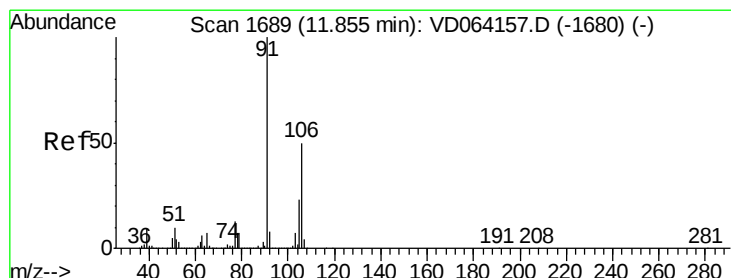
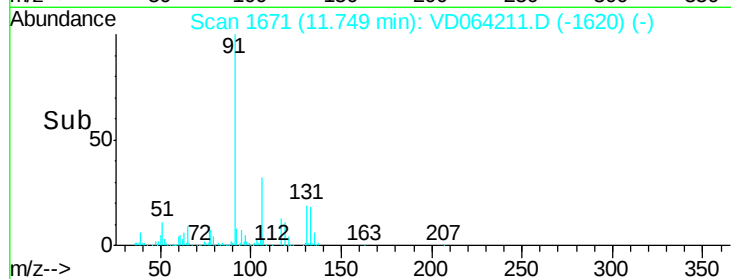
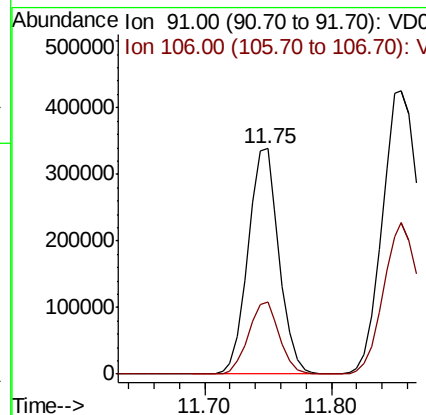
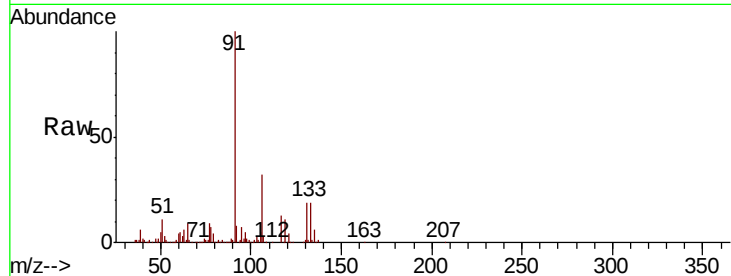
#67
Ethyl Benzene
Concen: 20.074 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion: 91 Resp: 573919
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3

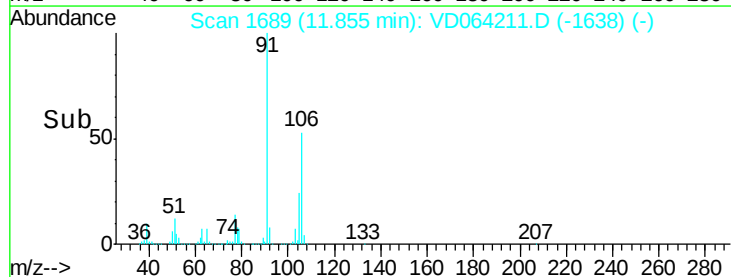
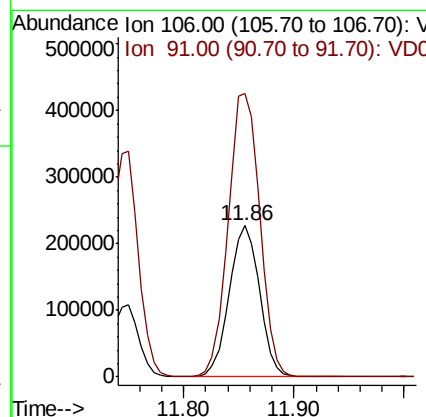
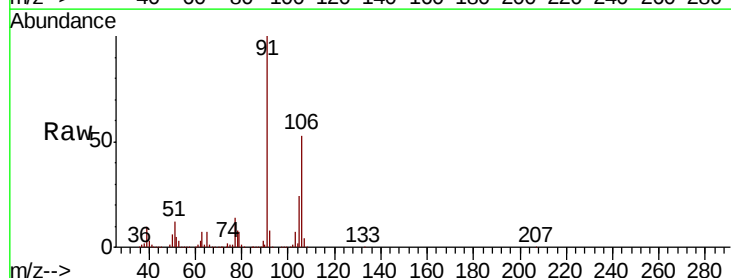
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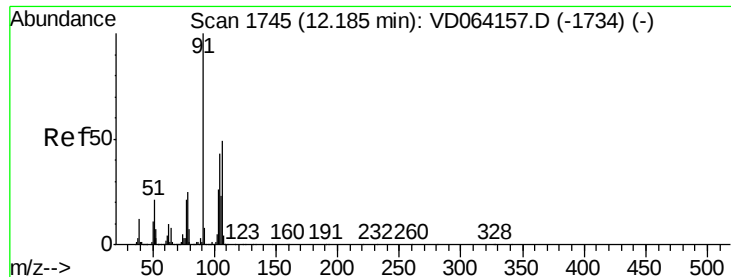
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#68
m/p-Xylenes
Concen: 39.724 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 106 Resp: 435316
Ion Ratio Lower Upper
106 100
91 196.2 160.3 240.5





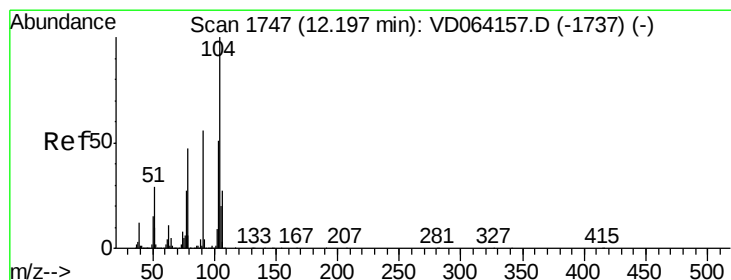
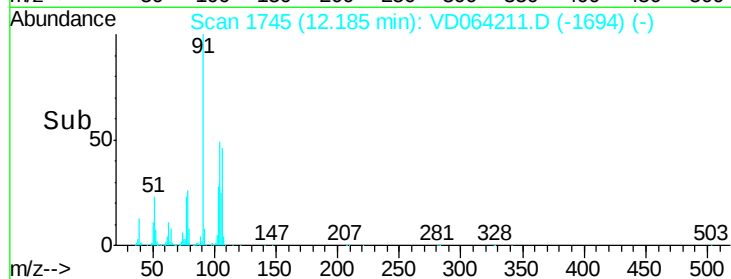
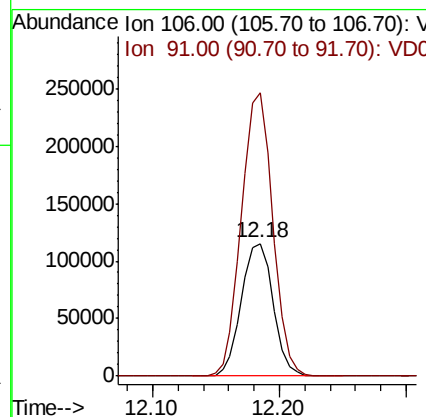
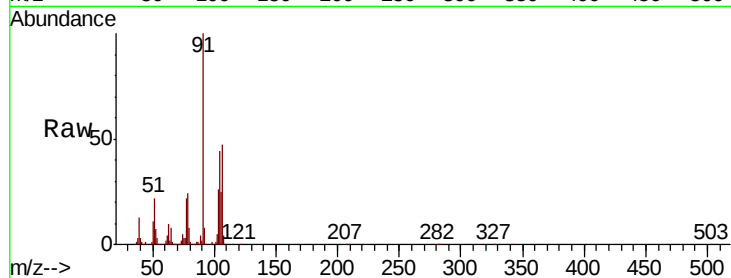
#69
o-Xylene
Concen: 19.799 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.7	105.1	315.3

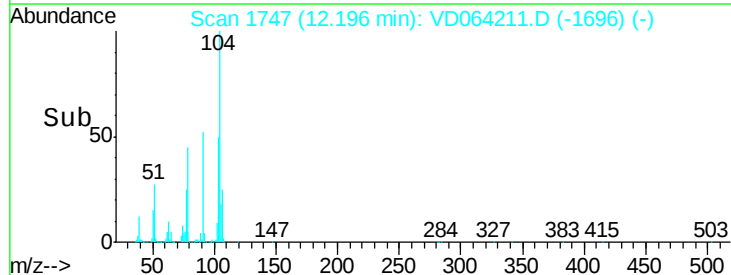
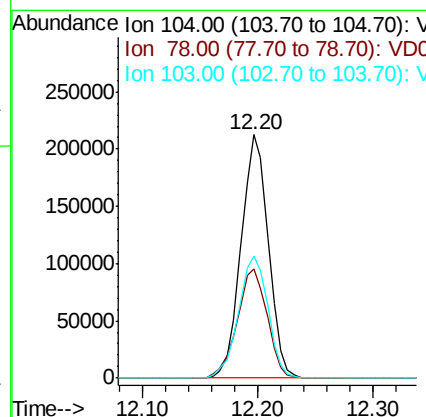
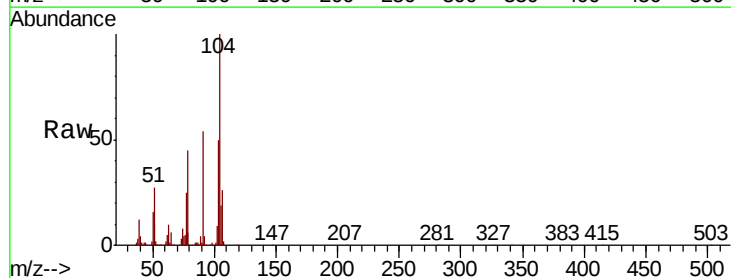
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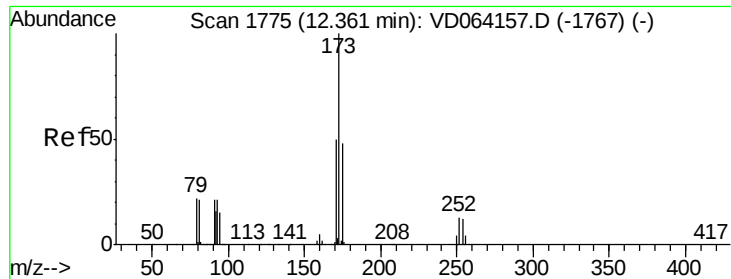
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#70
Styrene
Concen: 19.632 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.9	59.9
103	54.4	43.4	65.0





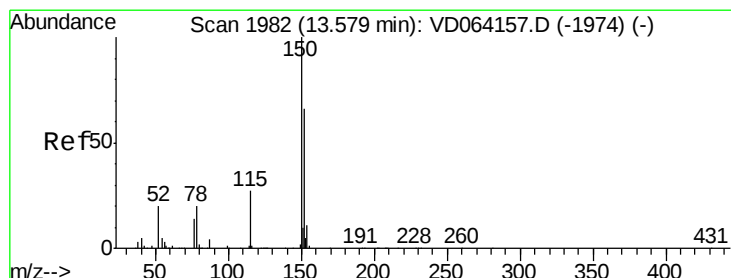
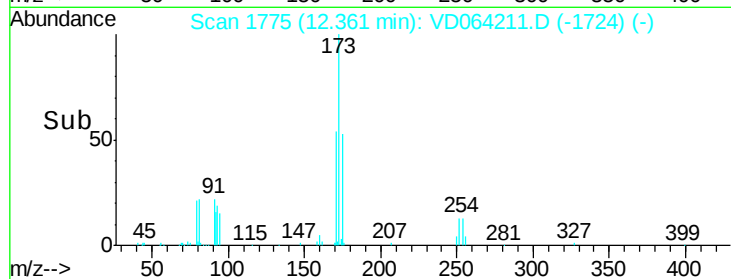
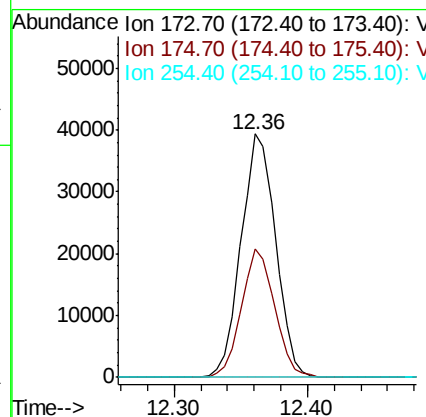
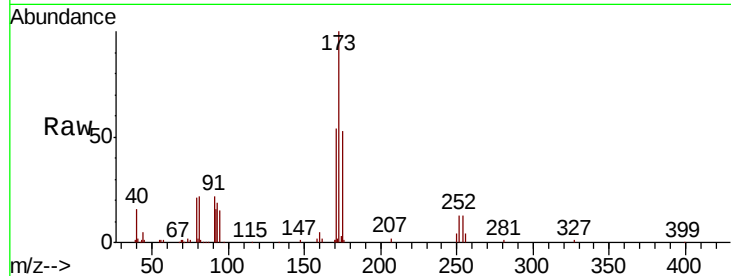
#71
Bromoform
Concen: 20.636 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.7	24.1	72.3
254	0.0	0.2	0.2

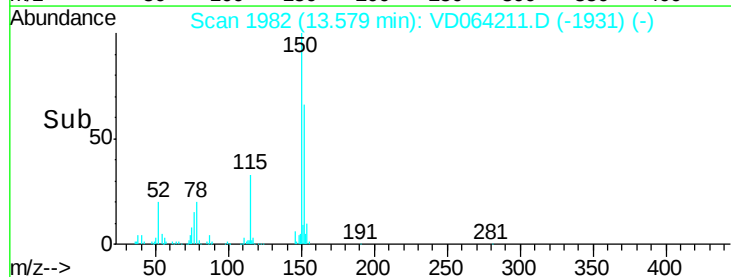
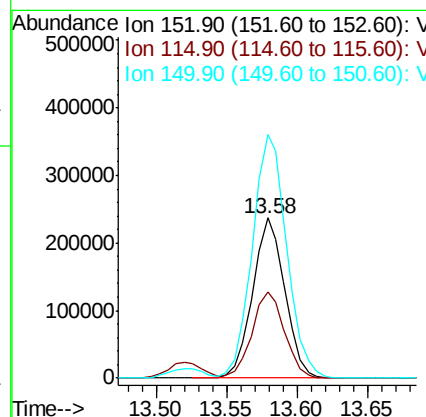
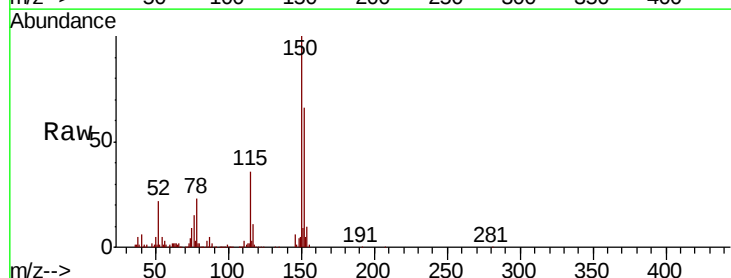
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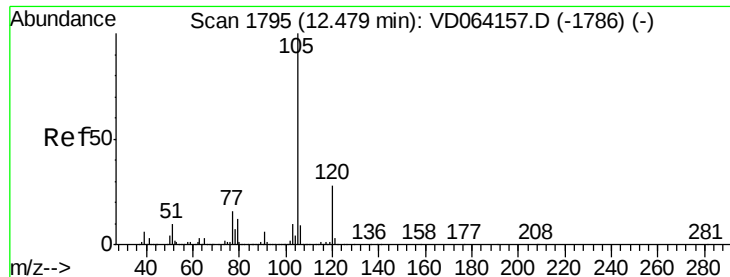
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.4	82.2
150	162.9	0.0	351.6





#73

Isopropylbenzene

Concen: 20.001 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 105 Resp: 555483

Ion Ratio Lower Upper

105 100

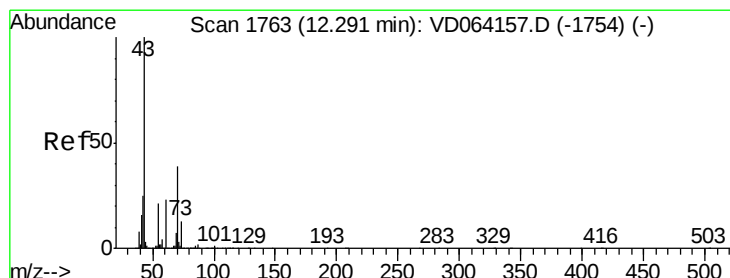
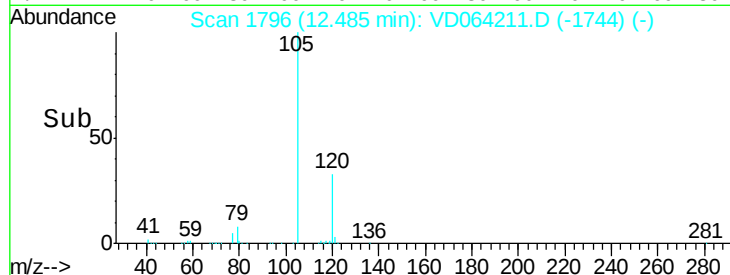
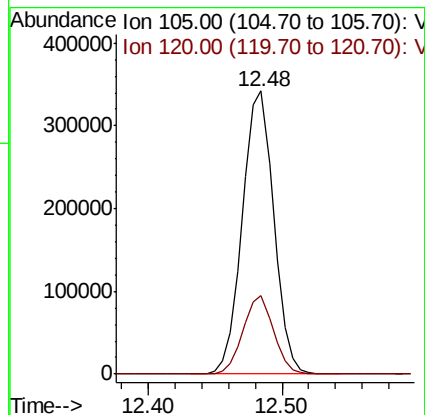
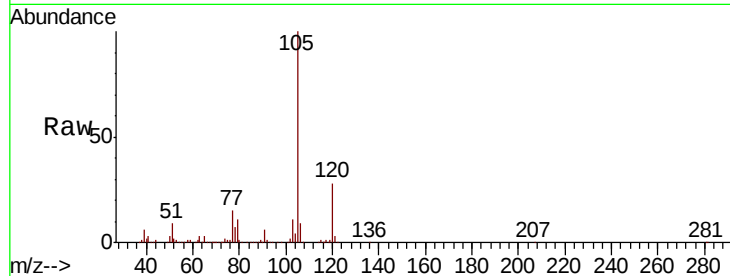
120 27.0 13.6 40.8

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#74

N-ethyl acetate

Concen: 20.449 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Tgt Ion: 43 Resp: 134109

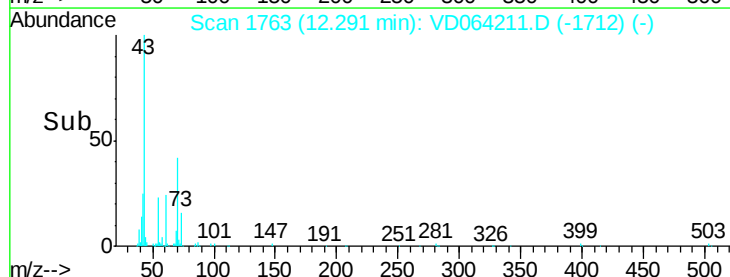
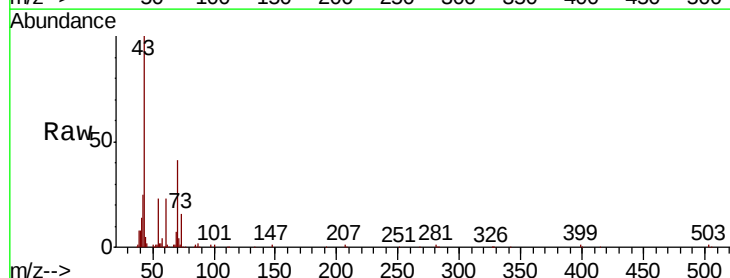
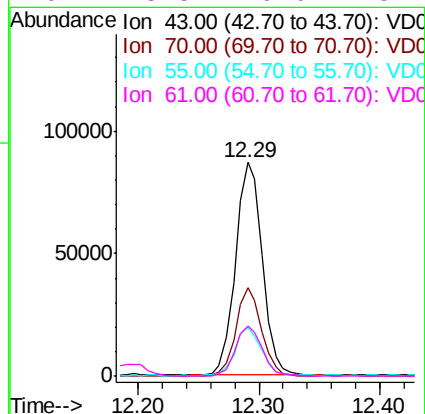
Ion Ratio Lower Upper

43 100

70 39.9 32.4 48.6

55 22.1 17.9 26.9

61 23.5 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.302 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

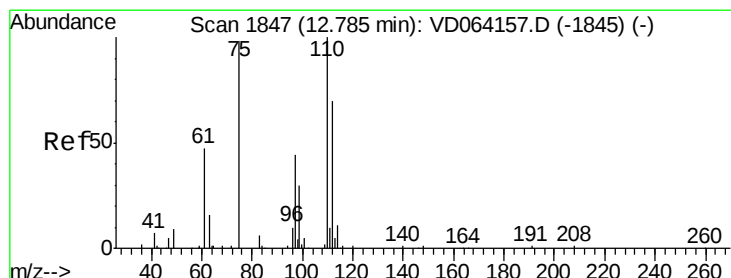
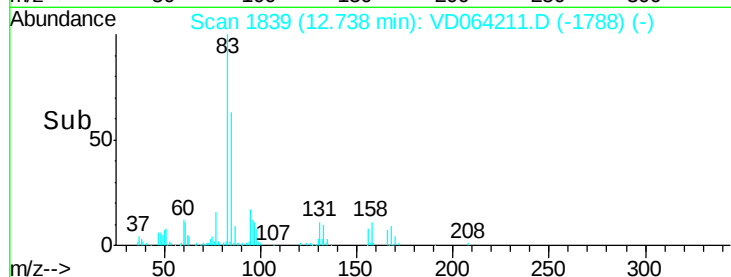
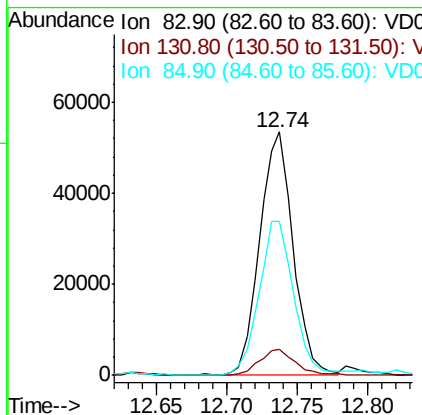
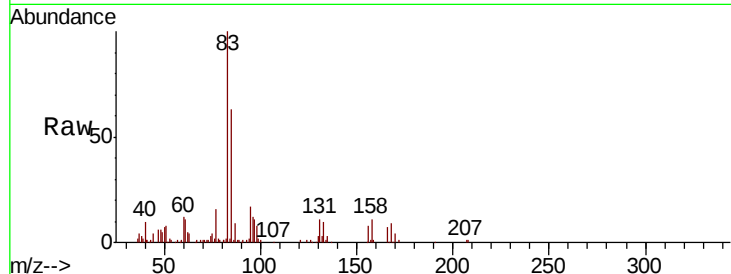
ClientSampleId :

VD1114SBSD01

Tot Ion:	83	Resp:	89143
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.9	17.7
85	65.6	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 21.860 ug/l m

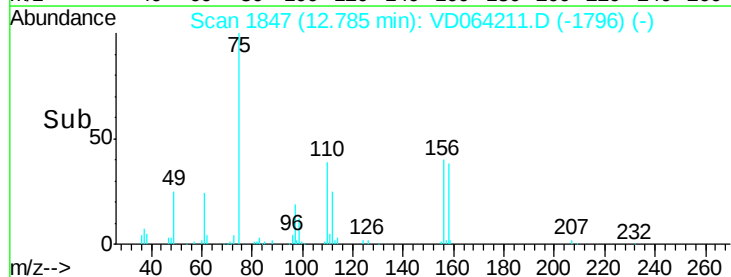
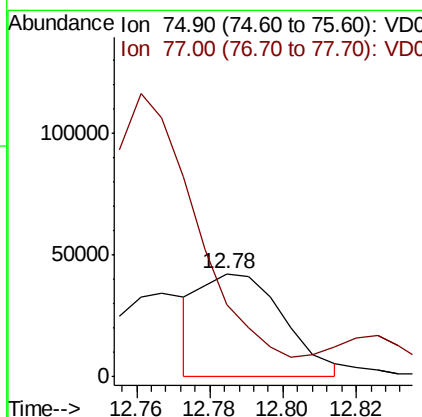
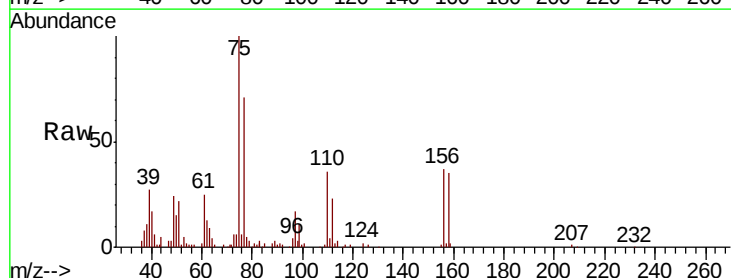
RT: 12.78 min Scan# 1847

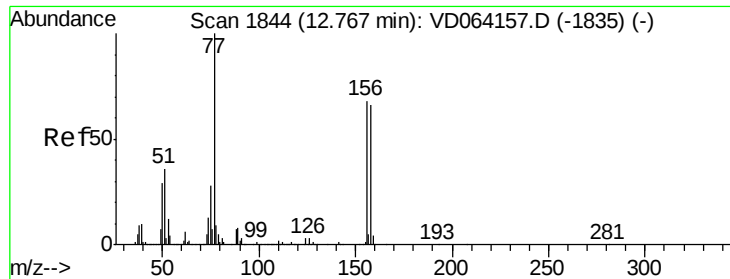
Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Tgt Ion:	75	Resp:	66623
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





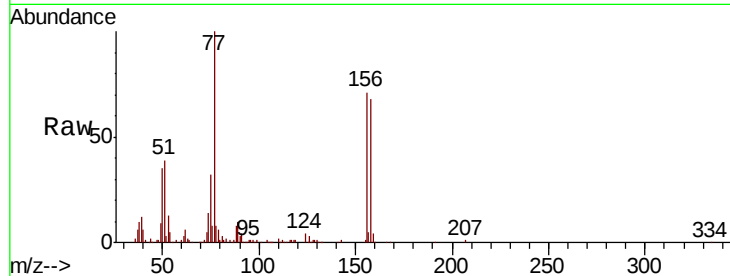
#77
Bromobenzene
Concen: 19.990 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.5	81.2	243.4
158	95.0	48.4	145.2

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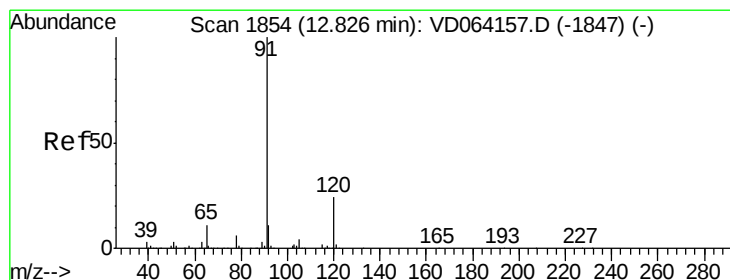
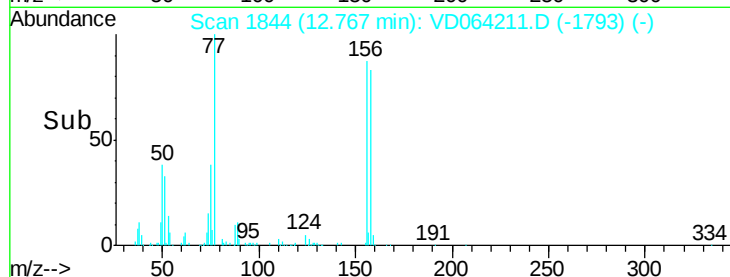
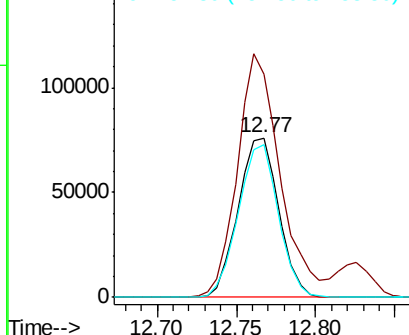


Abundance

Ion 155.80 (155.50 to 156.50): V

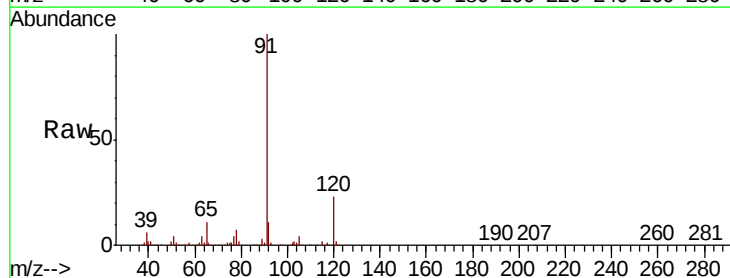
Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78
n-propylbenzene
Concen: 20.200 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

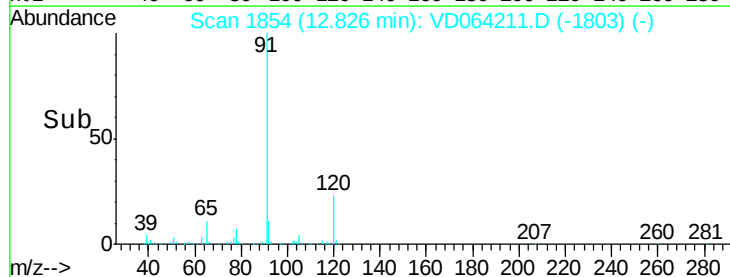
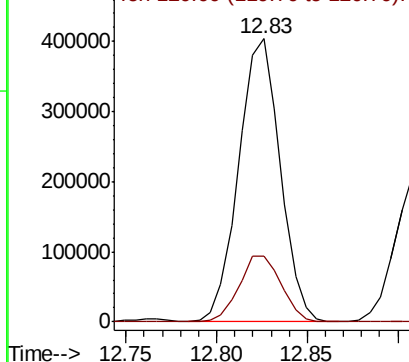
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.8	35.4

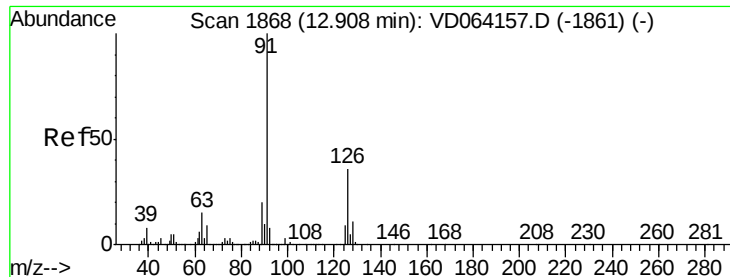


Abundance

Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





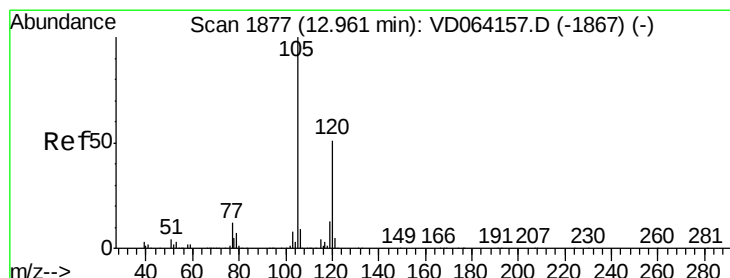
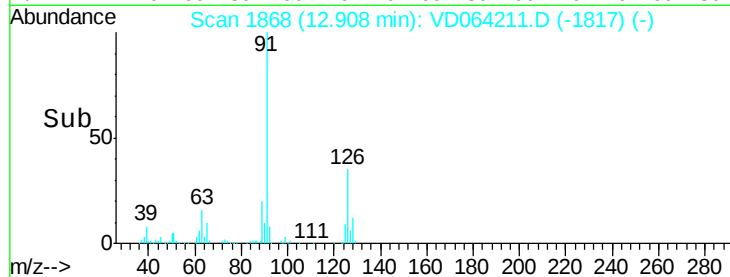
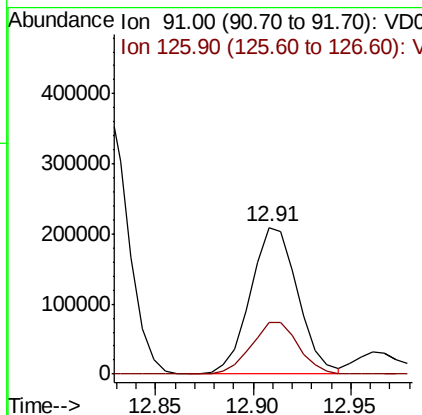
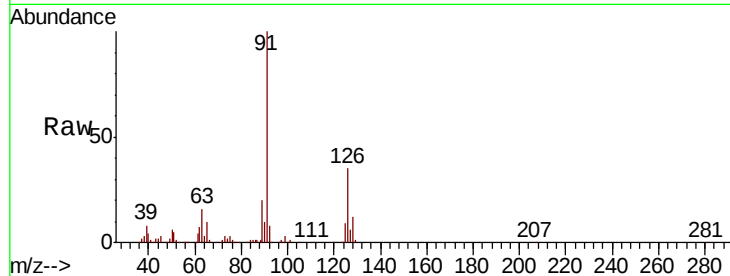
#79
 2-Chlorotoluene
 Concen: 19.661 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.7	53.1

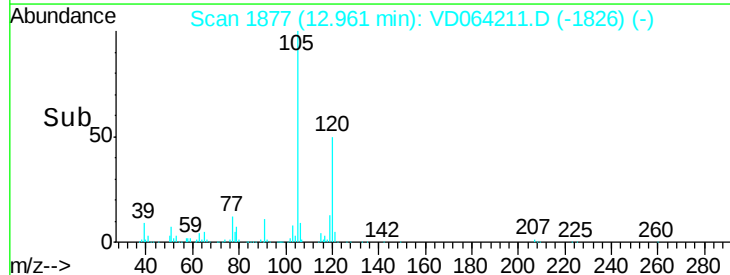
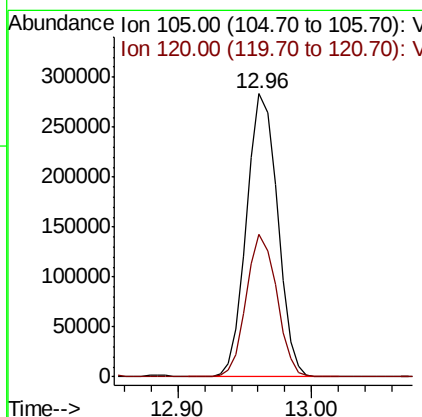
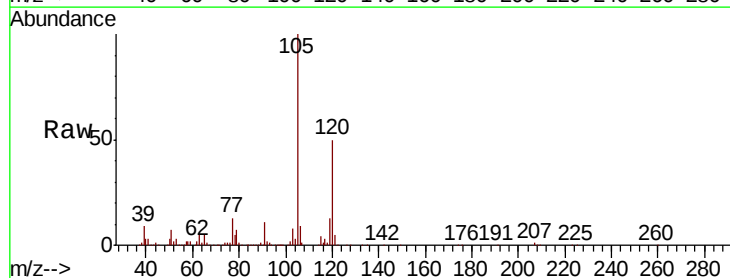
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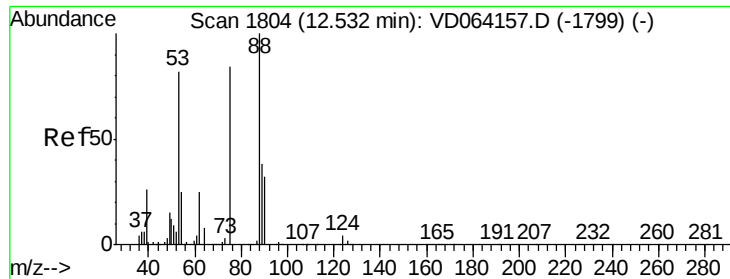
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.994 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.5	25.4	76.4





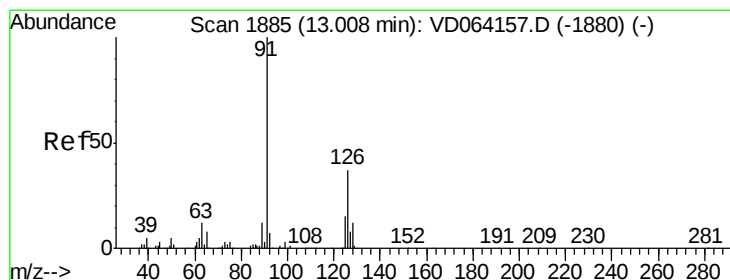
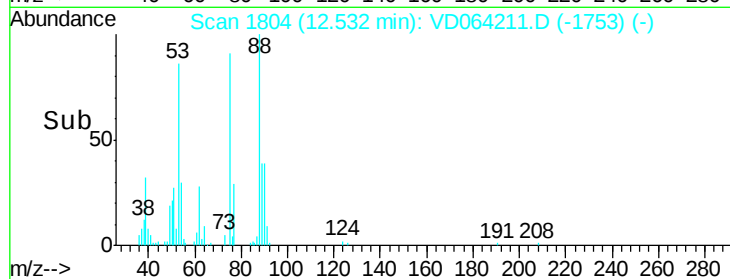
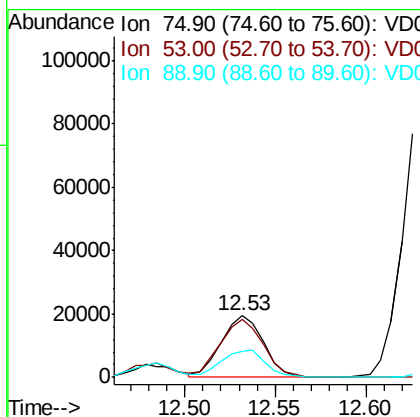
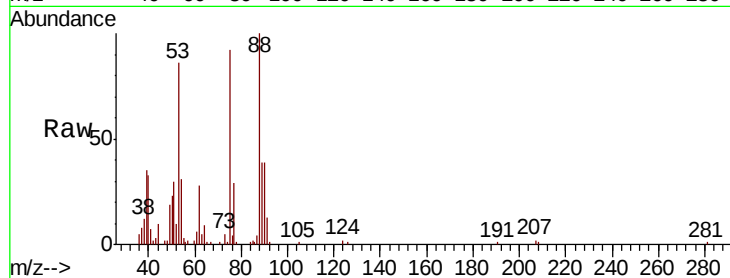
#81
trans-1,4-Dichloro-2-butene
Concen: 20.585 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.5	79.4	119.0
89	44.7	36.6	55.0

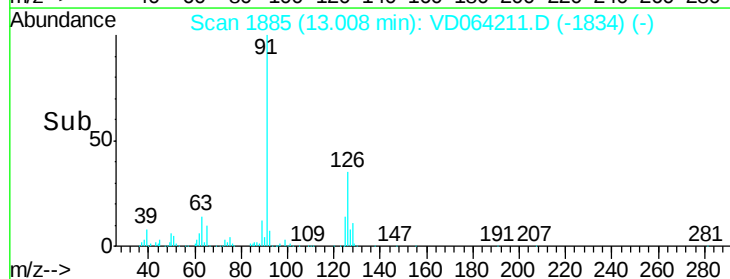
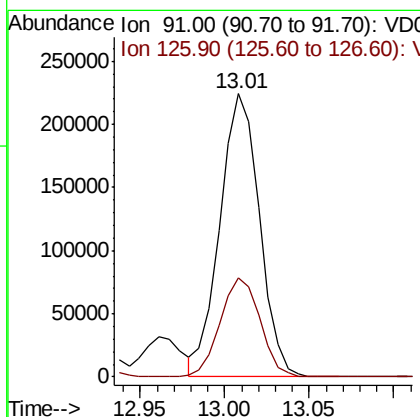
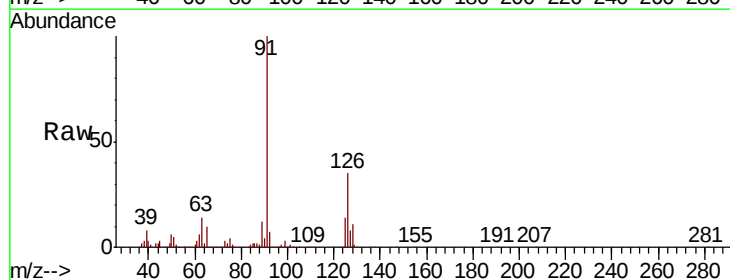
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#82
4-Chlorotoluene
Concen: 19.608 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.4





#83

tert-Butylbenzene

Concen: 20.295 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

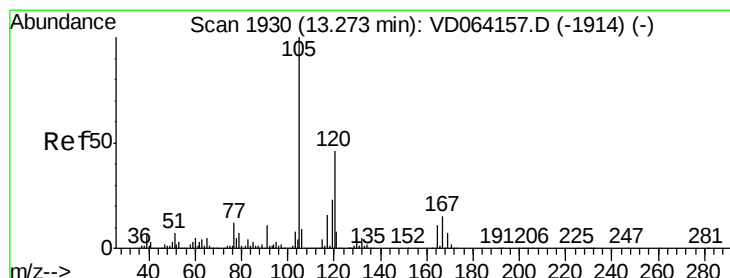
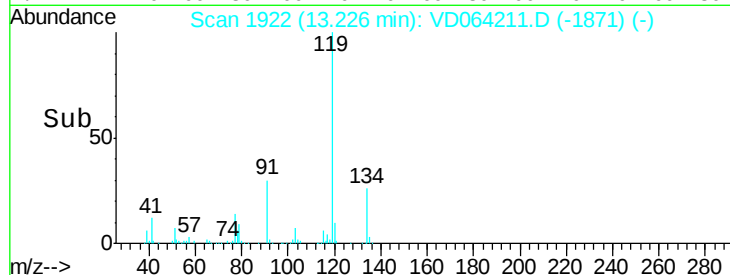
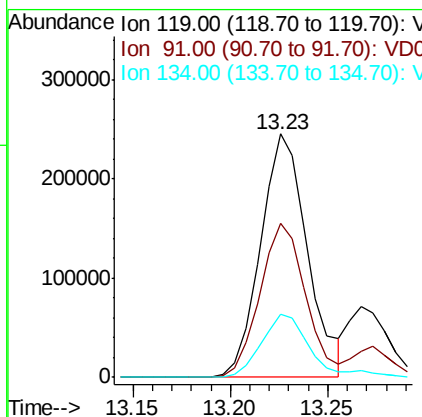
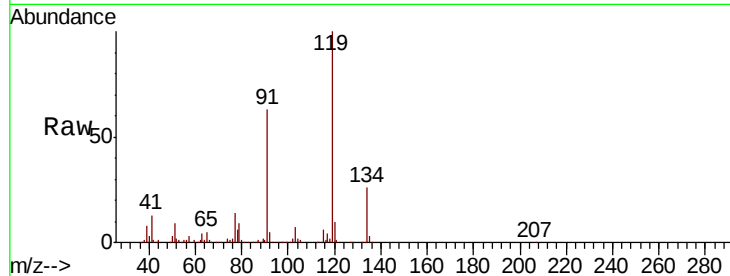
ClientSampleId :

VD1114SBS01

Tot Ion:	119	Resp:	408381
Ion Ratio	Lower	Upper	
119	100		
91	61.7	31.8	95.4
134	27.1	13.7	41.0

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#84

1,2,4-Trimethylbenzene

Concen: 19.648 ug/l

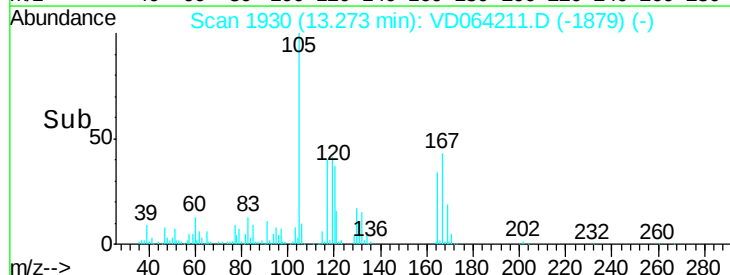
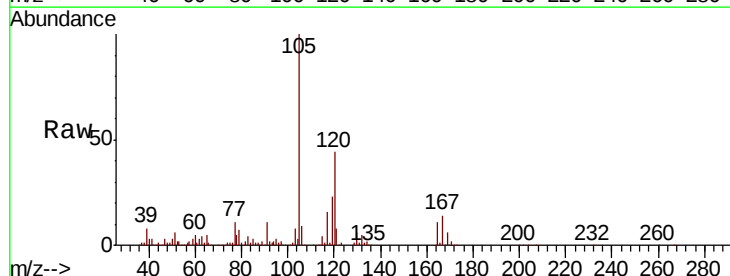
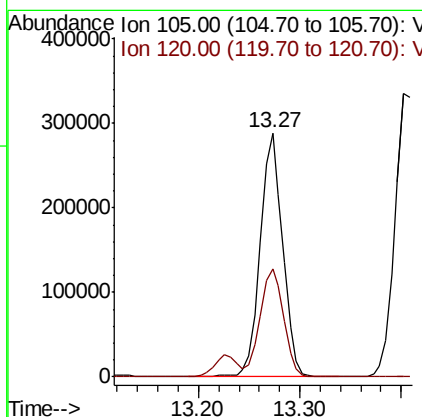
RT: 13.27 min Scan# 1930

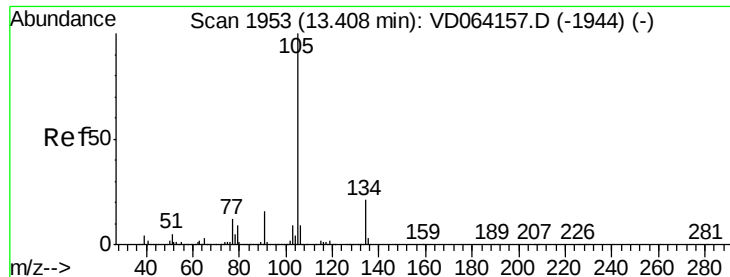
Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Tgt Ion:	105	Resp:	442669
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.3	69.8





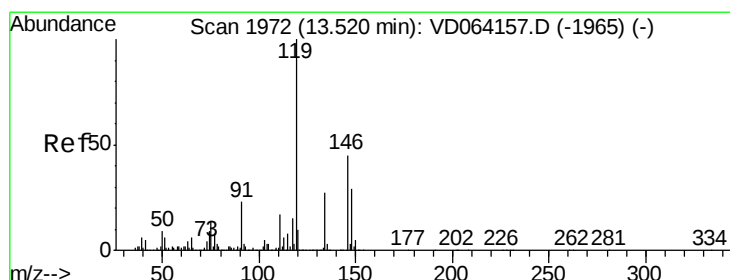
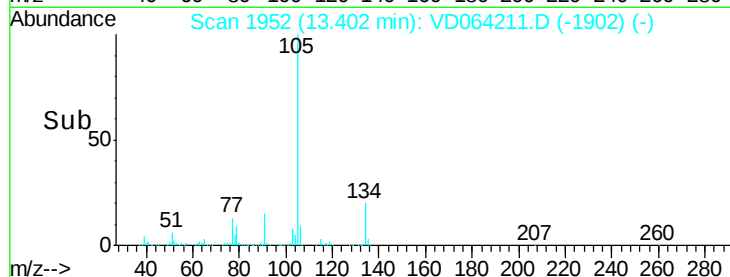
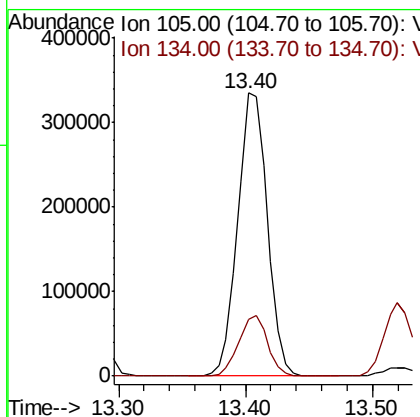
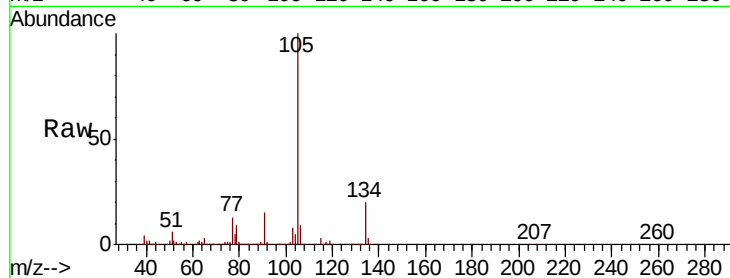
#85
 sec-Butylbenzene
 Concen: 20.067 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.7	31.9

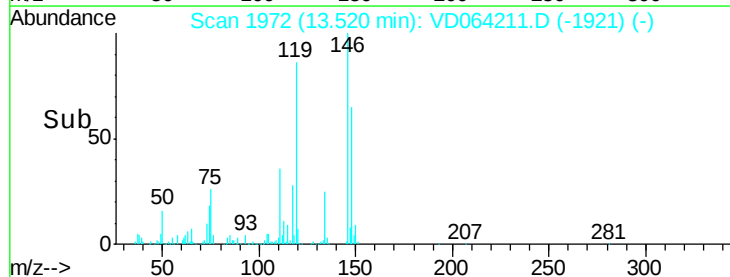
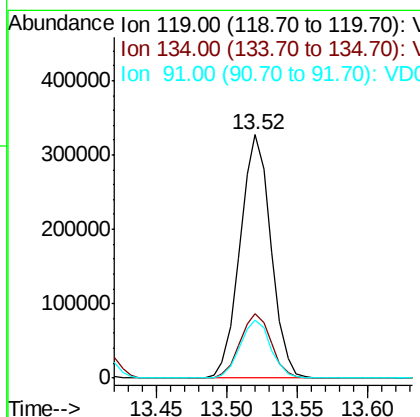
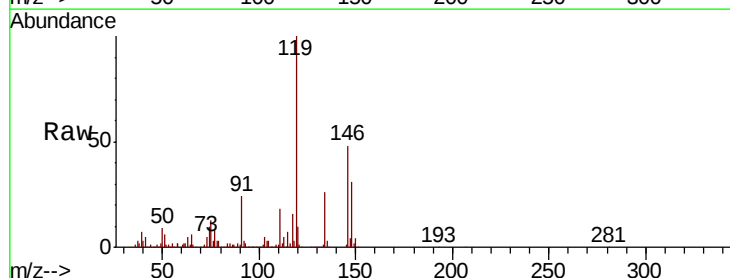
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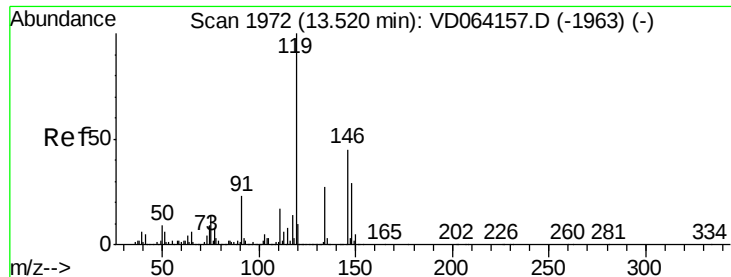
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#86
 p-Isopropyltoluene
 Concen: 19.455 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.5
91	23.4	11.5	34.4





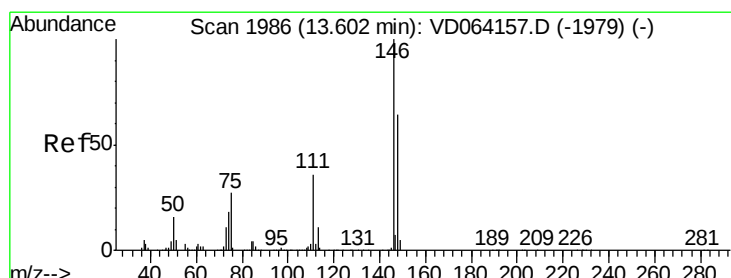
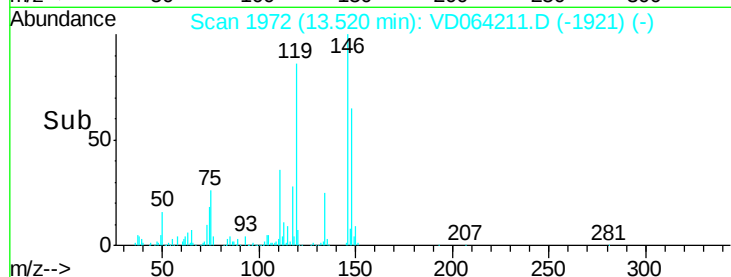
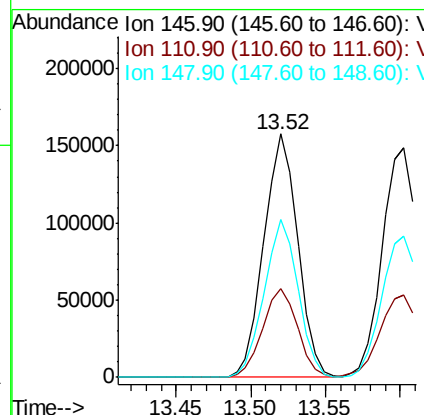
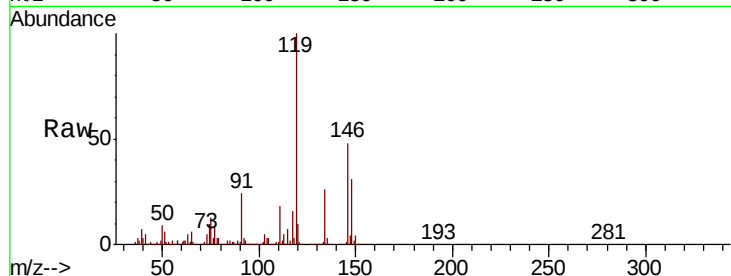
#87
 1,3-Dichlorobenzene
 Concen: 19.827 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.9
148	64.6	32.1	96.5

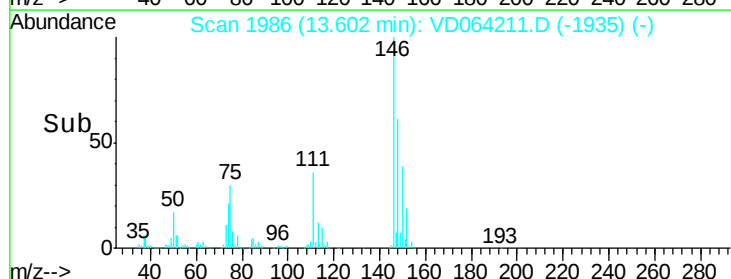
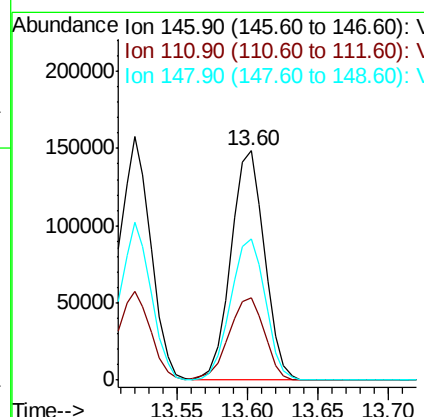
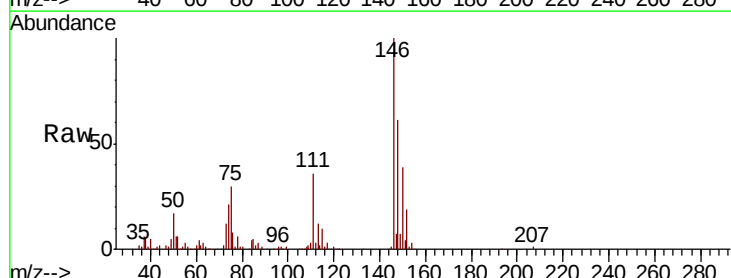
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#88
 1,4-Dichlorobenzene
 Concen: 20.117 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.1	54.4
148	63.9	31.9	95.7





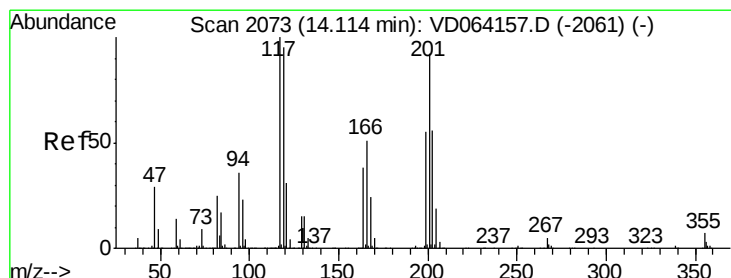
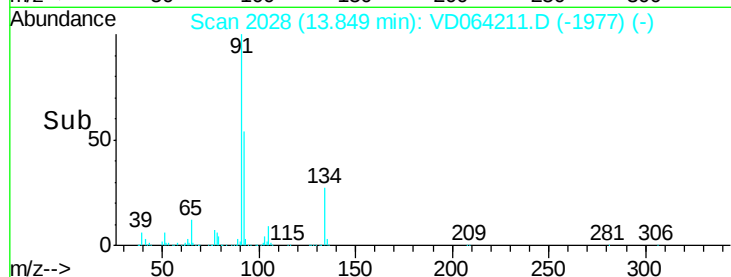
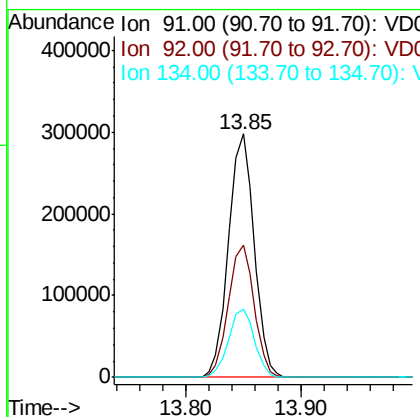
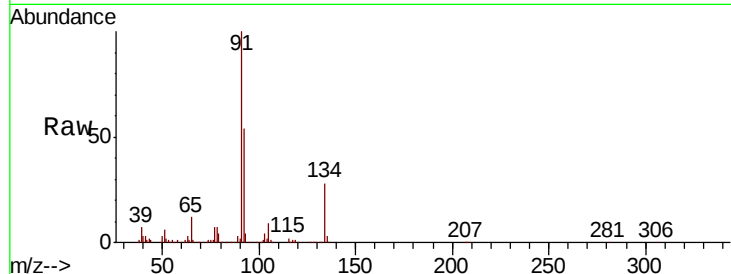
#89
n-Butylbenzene
Concen: 19.754 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.8
134	28.3	14.1	42.4

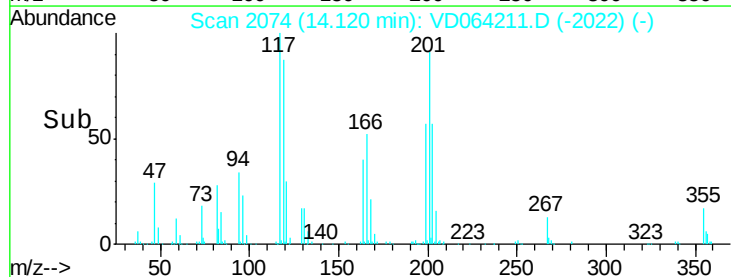
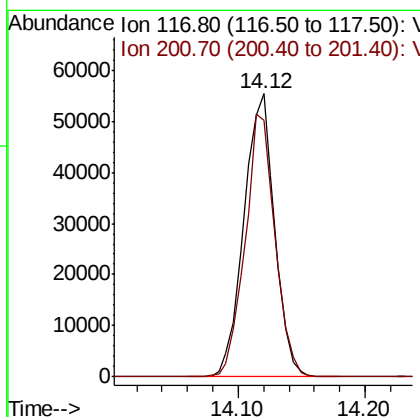
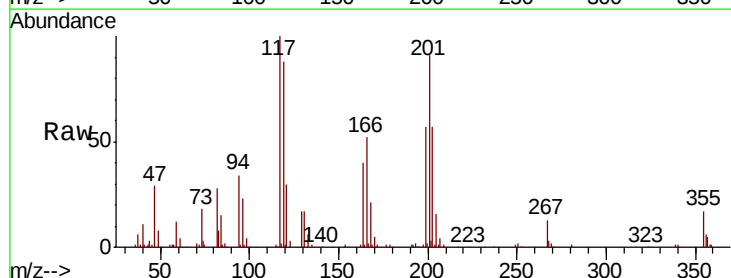
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#90
Hexachloroethane
Concen: 19.644 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.4	45.8	137.4





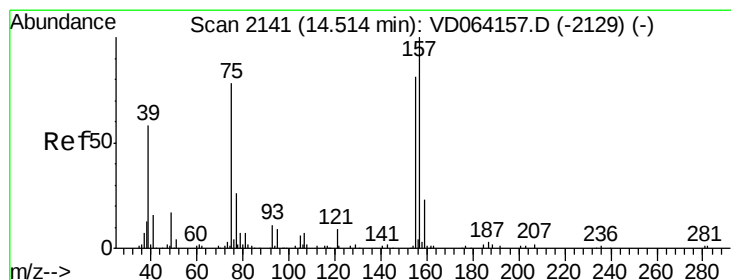
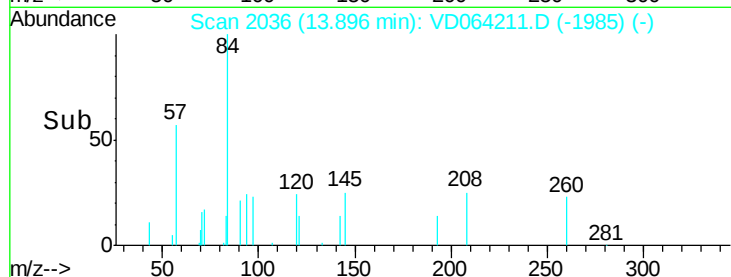
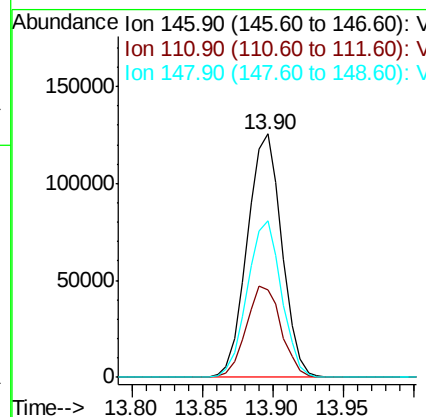
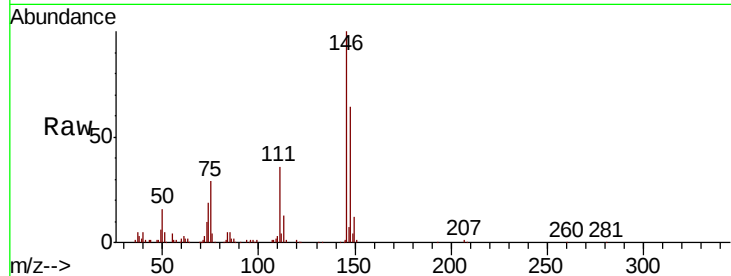
#91
1,2-Dichlorobenzene
Concen: 20.283 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	63.9	32.3	96.8

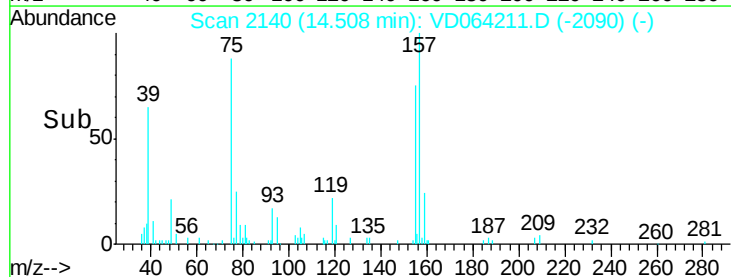
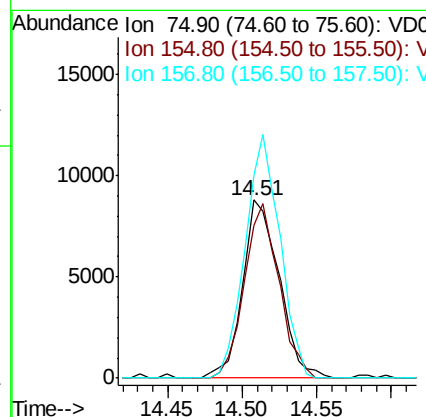
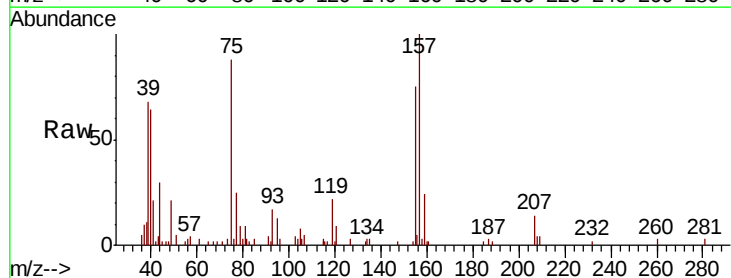
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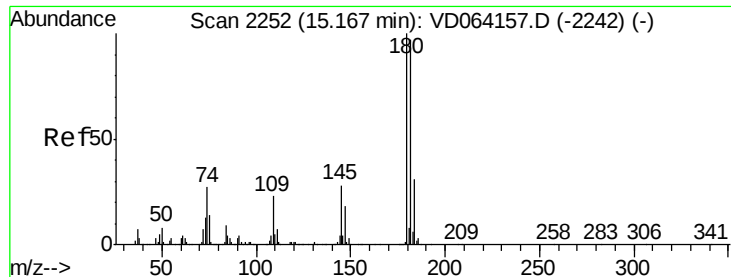
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#92
1,2-Dibromo-3-Chloropropane
Concen: 19.954 ug/l
RT: 14.51 min Scan# 2140
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	48.0	144.0
157	129.7	61.5	184.4





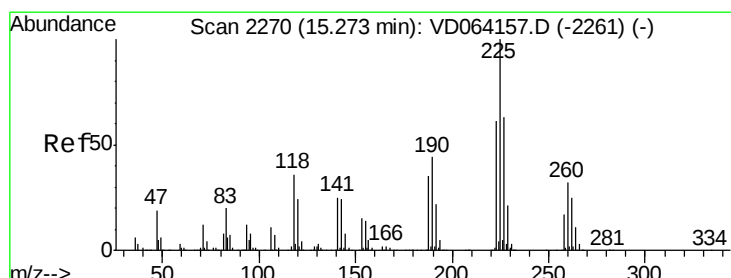
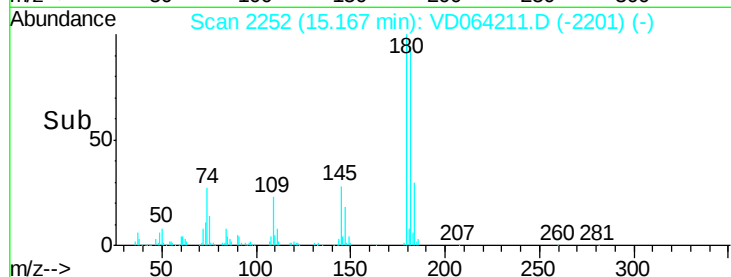
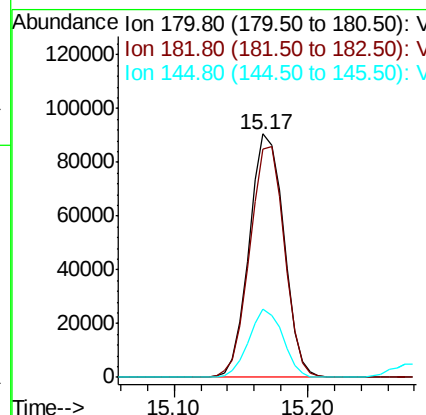
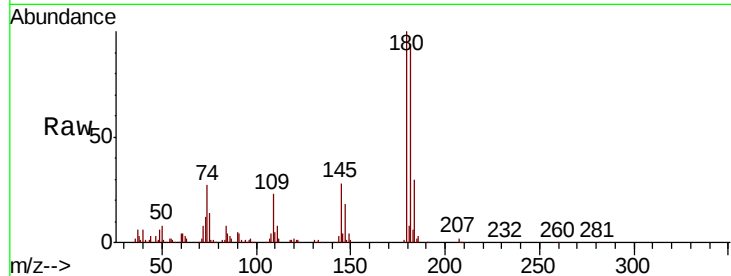
#93
 1,2,4-Trichlorobenzene
 Concen: 19.812 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.5
145	27.6	14.2	42.6

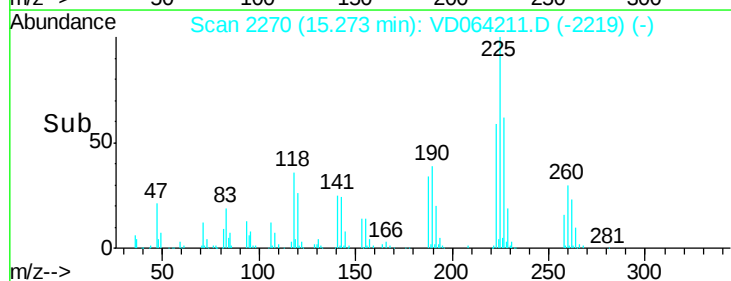
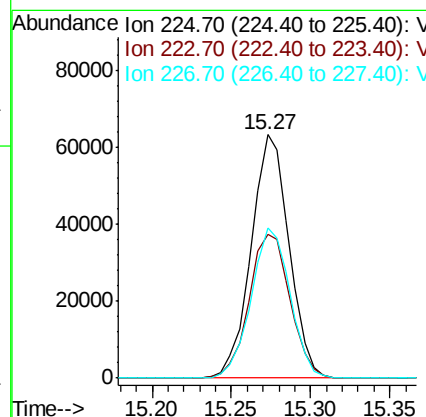
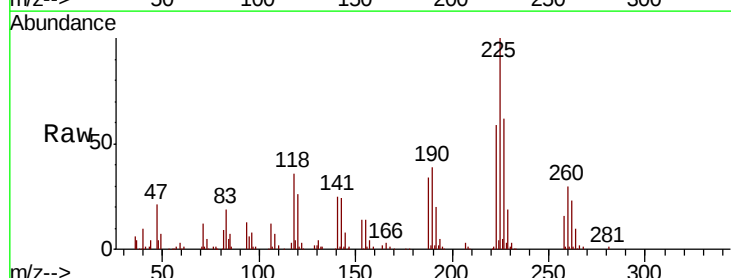
Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:12 PM



#94
 Hexachlorobutadiene
 Concen: 19.937 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.1	93.3
227	63.2	31.5	94.5





#95

Naphthalene

Concen: 20.874 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

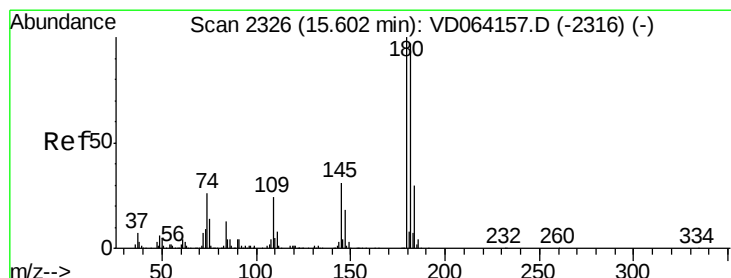
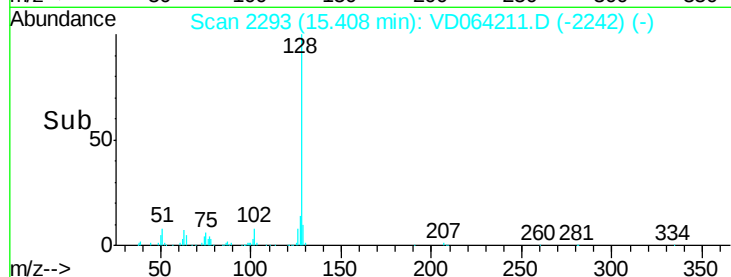
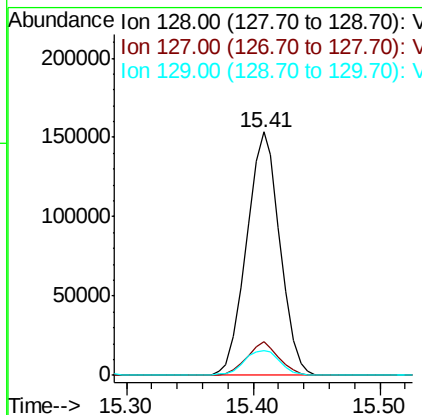
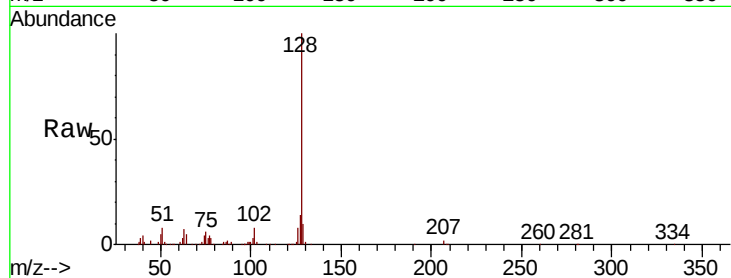
ClientSampleId :

VD1114SBSD01

Tot Ion:	128	Resp:	279825
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:12 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.104 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Tgt Ion:	180	Resp:	139751
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.3	144.9
145	30.5	15.3	45.8

