

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064354.D
 Acq On : 25 Nov 2019 12:11
 Operator : VA/SY
 Sample : VD1125SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1125SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 9:56:04 AM

Quant Time: Nov 26 05:51:09 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	539385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	762643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	228073	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.92	113	237150	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
50) Toluene-d8	10.34	98	877763	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.64	95	288421	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	81969	18.323	ug/l	98
3) Chloromethane	2.21	50	105205	21.925	ug/l	99
4) Vinyl Chloride	2.35	62	126670	24.686	ug/l	95
5) Bromomethane	2.76	94	84643	26.123	ug/l	98
6) Chloroethane	2.92	64	85402	26.047	ug/l	96
7) Trichlorofluoromethane	3.27	101	219172	26.345	ug/l	99
8) Diethyl Ether	3.70	74	46915	20.509	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97910	20.591	ug/l	98
10) Methyl Iodide	4.29	142	93817	18.613	ug/l	98
11) Tert butyl alcohol	5.24	59	33962	109.610	ug/l	96
12) 1,1-Dichloroethene	4.06	96	93186	20.560	ug/l	98
13) Acrolein	3.93	56	18362	70.052	ug/l	98
14) Allyl chloride	4.71	41	151670	18.927	ug/l	93
15) Acrylonitrile	5.43	53	103933	106.578	ug/l	98
16) Acetone	4.17	43	92655	88.166	ug/l	98
17) Carbon Disulfide	4.40	76	265208	18.790	ug/l	100
18) Methyl Acetate	4.72	43	60087	20.471	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	215088	19.879	ug/l	95
20) Methylene Chloride	4.96	84	105276	19.831	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	103317	20.120	ug/l	93
22) Diisopropyl ether	6.37	45	293885	19.766	ug/l	96
23) Vinyl Acetate	6.31	43	815961	98.450	ug/l	99
24) 1,1-Dichloroethane	6.26	63	179705	20.816	ug/l	99
25) 2-Butanone	7.22	43	129969	95.725	ug/l	95
26) 2,2-Dichloropropane	7.21	77	165823	19.586	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	113810	20.668	ug/l	96
28) Bromochloromethane	7.55	49	47987	15.966	ug/l	100
29) Tetrahydrofuran	7.57	42	81690	100.141	ug/l	97
30) Chloroform	7.71	83	193730	21.938	ug/l	99
31) Cyclohexane	7.98	56	166522	19.126	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	174405	20.626	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142519	20.248	ug/l	99
37) Ethyl Acetate	7.30	43	58889	19.846	ug/l #	95
38) Carbon Tetrachloride	8.10	117	156210	20.741	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	173742	19.508	ug/l	94
40) Benzene	8.35	78	391859	20.371	ug/l	99
41) Methacrylonitrile	7.53	41	31208	16.734	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	115450	19.983	ug/l	98
43) Isopropyl Acetate	8.46	43	120342	19.684	ug/l	99
44) Trichloroethene	9.11	130	119678	20.729	ug/l	98
45) 1,2-Dichloropropane	9.39	63	96584	20.628	ug/l	97
46) Dibromomethane	9.47	93	53262	21.249	ug/l	97
47) Bromodichloromethane	9.66	83	142057	21.040	ug/l	100
48) Methyl methacrylate	9.46	41	55561	18.585	ug/l	93
49) 1,4-Dioxane	9.47	88	12492	414.960	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	293169	99.995	ug/l	99
52) Toluene	10.40	92	263412	20.824	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	132077	19.526	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	160088	20.281	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	71937	21.156	ug/l	96
56) Ethyl methacrylate	10.66	69	91024	19.136	ug/l #	94
57) 1,3-Dichloropropane	10.95	76	125832	21.219	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	198720	103.134	ug/l	99
59) 2-Hexanone	10.99	43	198903	95.359	ug/l	98
60) Dibromochloromethane	11.14	129	97259	20.498	ug/l	99
61) 1,2-Dibromoethane	11.25	107	71473	20.986	ug/l	99
64) Tetrachloroethene	10.88	164	104970	20.644	ug/l	98
65) Chlorobenzene	11.67	112	281216	20.917	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	105208	20.580	ug/l	98
67) Ethyl Benzene	11.75	91	501260	20.613	ug/l	98
68) m/p-Xylenes	11.86	106	380297	40.799	ug/l	98
69) o-Xylene	12.18	106	171952	19.891	ug/l	98
70) Styrene	12.20	104	307414	20.372	ug/l	99
71) Bromoform	12.37	173	61113	21.006	ug/l	99
73) Isopropylbenzene	12.48	105	485701	20.484	ug/l	100
74) N-amyl acetate	12.29	43	107278	19.159	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	75972	21.263	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	47766m	18.357	ug/l	
77) Bromobenzene	12.77	156	117345	20.370	ug/l	98
78) n-propylbenzene	12.83	91	556662	20.548	ug/l	100
79) 2-Chlorotoluene	12.91	91	300603	19.654	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	391113	20.074	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24587	18.770	ug/l	96
82) 4-Chlorotoluene	13.01	91	315835	19.798	ug/l	98
83) tert-Butylbenzene	13.23	119	343992	20.022	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	388389	20.191	ug/l	99
85) sec-Butylbenzene	13.41	105	471294	20.425	ug/l	100
86) p-Isopropyltoluene	13.53	119	436107	19.880	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	217776	20.366	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	214631	20.565	ug/l	98
89) n-Butylbenzene	13.86	91	401812	20.274	ug/l	99
90) Hexachloroethane	14.12	117	78879	19.456	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	186415	20.597	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13440	21.039	ug/l	90

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ClientSampleId :
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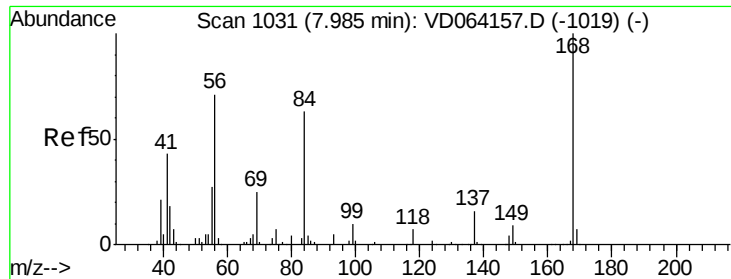
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	140705	20.153	ug/l	99
94) Hexachlorobutadiene	15.28	225	90011	19.960	ug/l	98
95) Naphthalene	15.41	128	232069	20.277	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	121200	20.422	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1125SBS01

Tot Ion:168 Resp: 539385

Ion Ratio Lower Upper

168 100

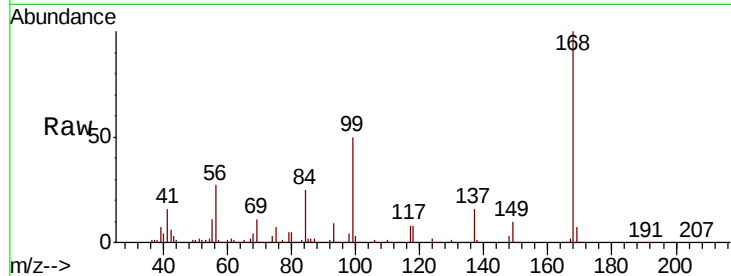
99 49.8 41.6 62.4

Manual Integrations

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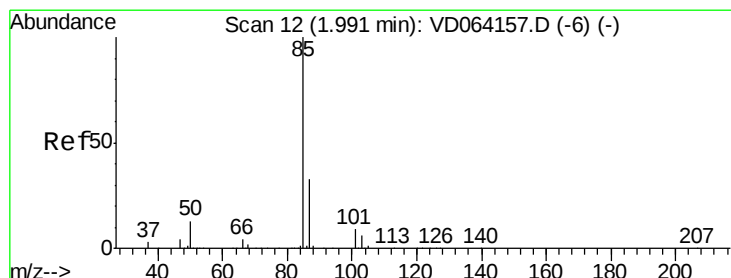
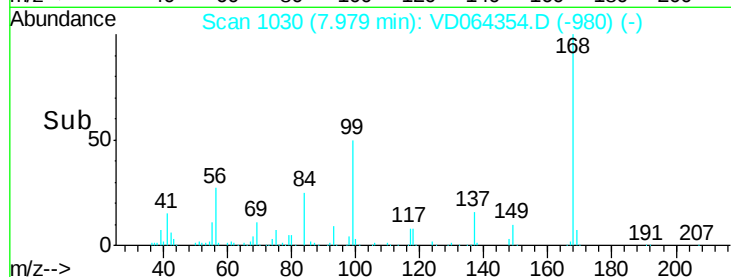
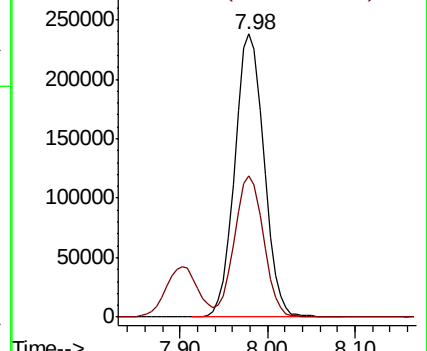
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.323 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064354.D

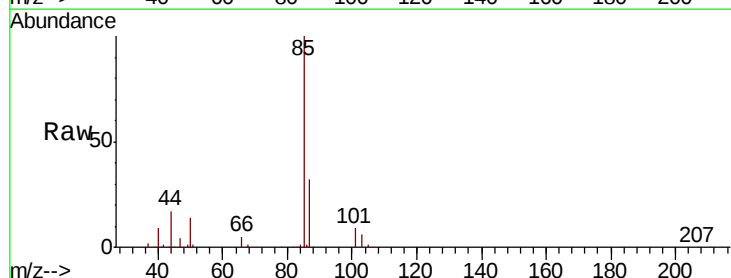
Acq: 25 Nov 2019 12:11

Tgt Ion: 85 Resp: 81969

Ion Ratio Lower Upper

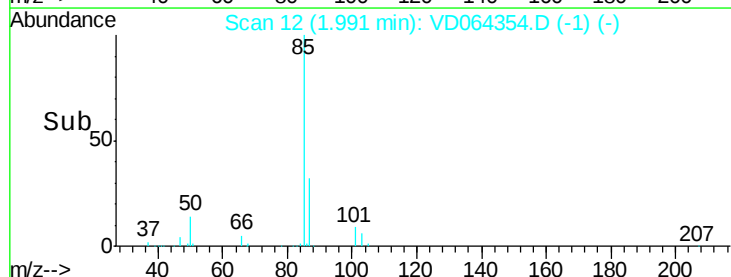
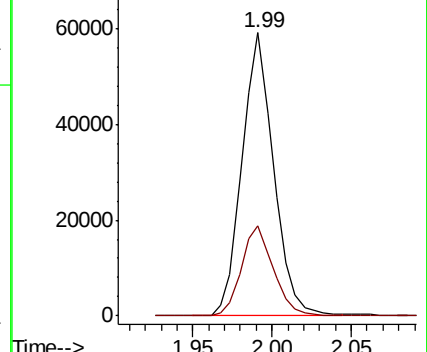
85 100

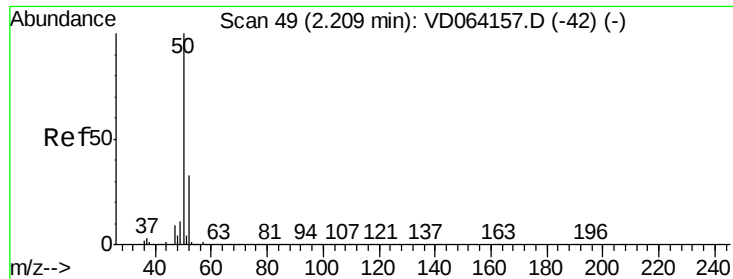
87 31.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.925 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1125SBS01

Tot Ion: 50 Resp: 105205

Ion Ratio Lower Upper

50 100

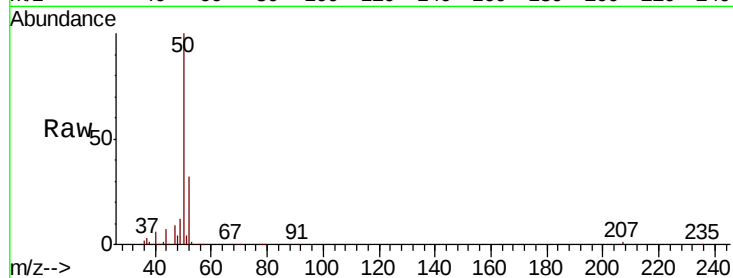
52 32.1 26.2 39.4

Manual Integrations

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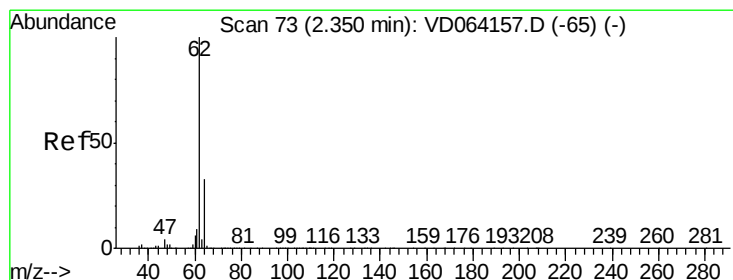
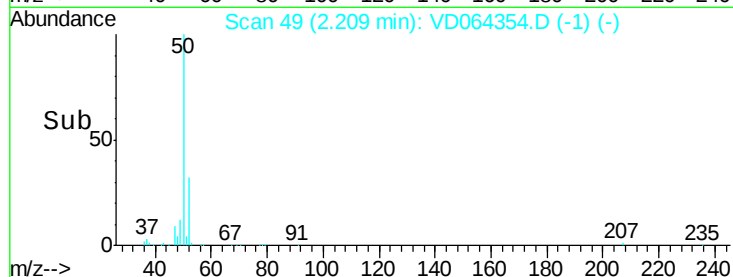
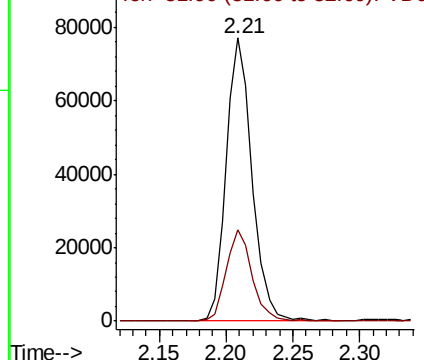
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 24.686 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064354.D

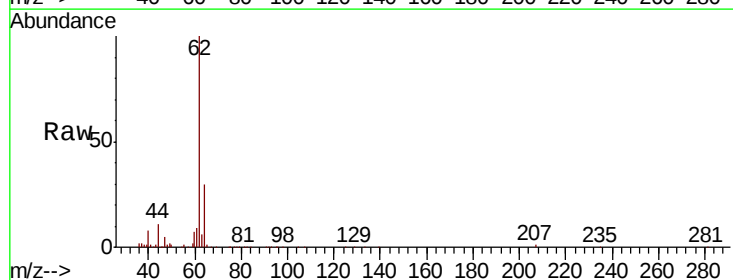
Acq: 25 Nov 2019 12:11

Tgt Ion: 62 Resp: 126670

Ion Ratio Lower Upper

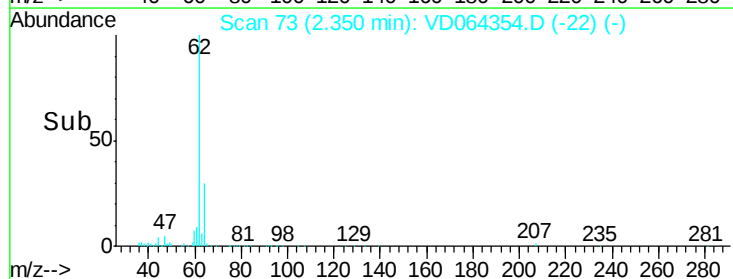
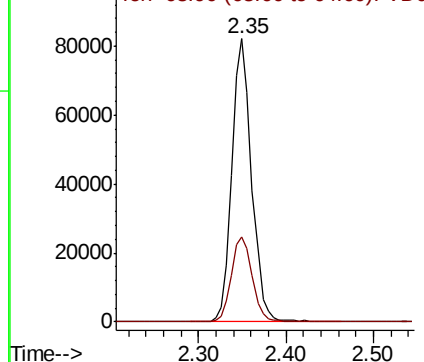
62 100

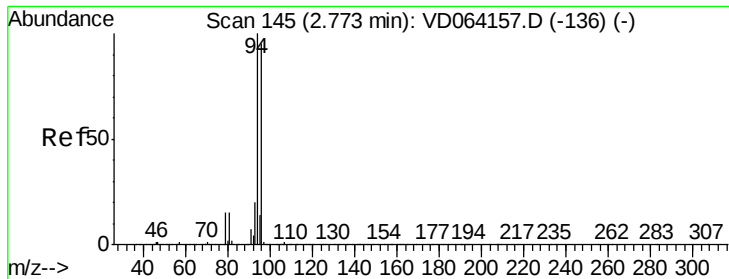
64 30.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 26.123 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1125SBS01

Tot Ion: 94 Resp: 84643

Ion Ratio Lower Upper

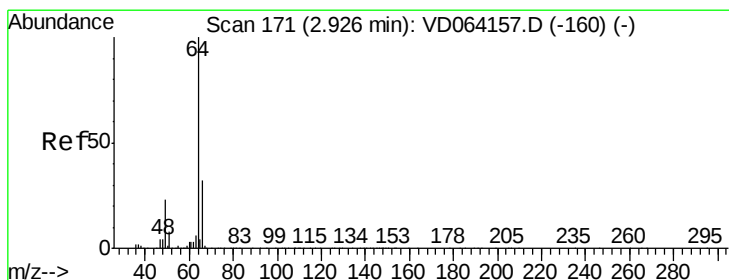
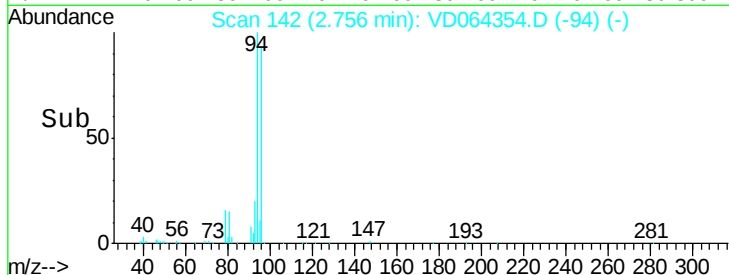
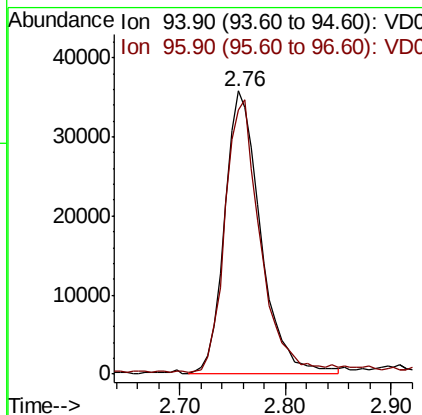
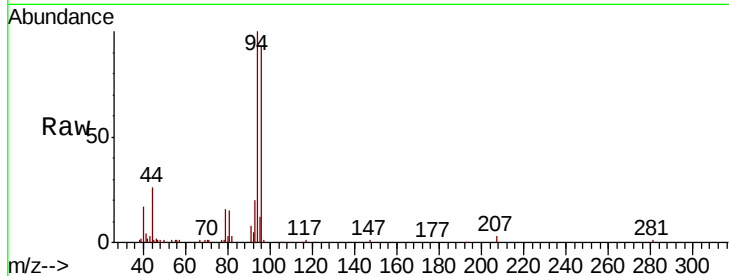
94 100

96 92.9 76.2 114.4

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#6

Chloroethane

Concen: 26.047 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064354.D

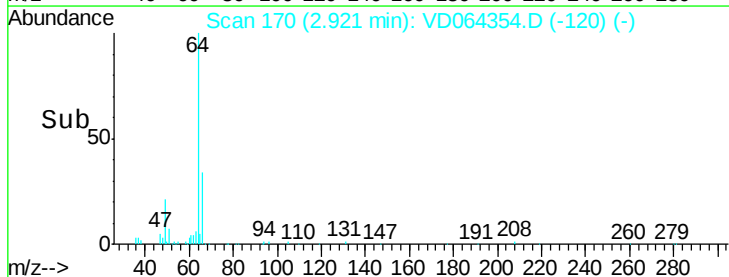
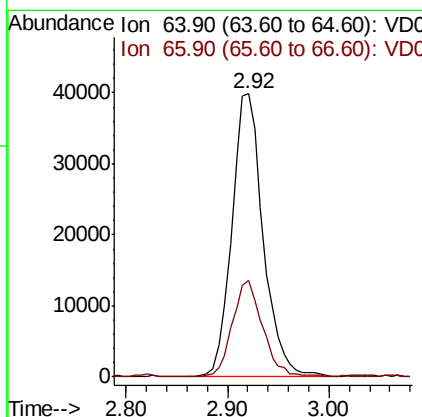
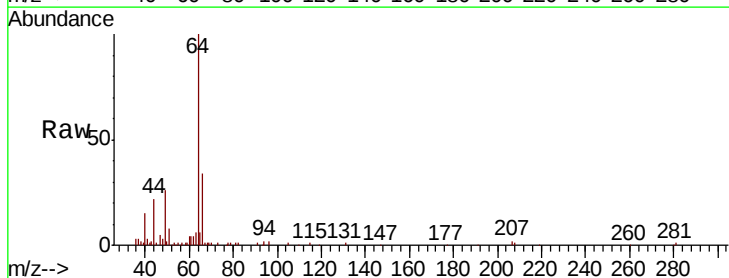
Acq: 25 Nov 2019 12:11

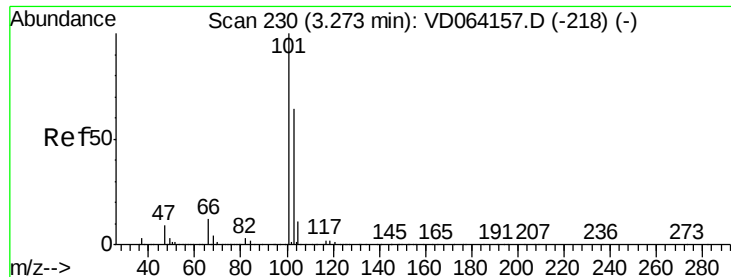
Tgt Ion: 64 Resp: 85402

Ion Ratio Lower Upper

64 100

66 34.2 25.5 38.3





#7

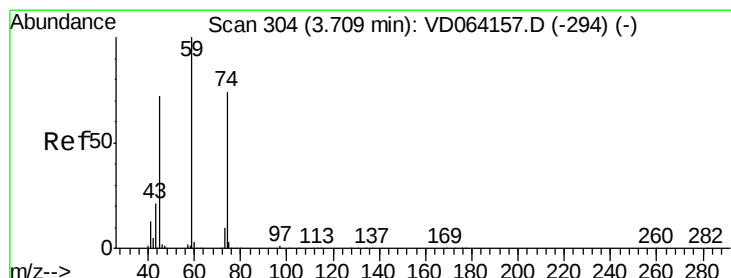
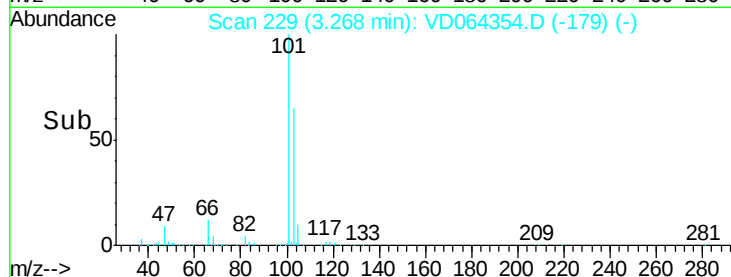
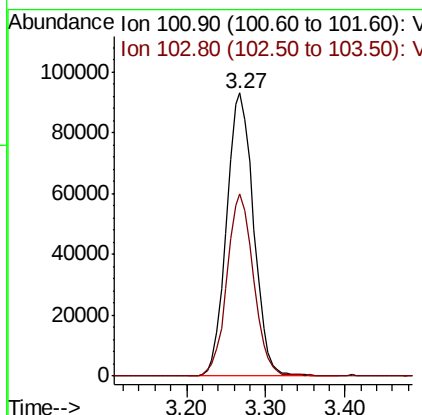
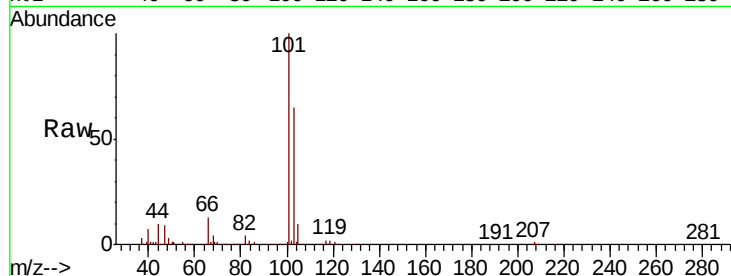
Trichlorofluoromethane
Concen: 26.345 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	219172		
103	64.6	50.8	76.2	

Manual Integrations
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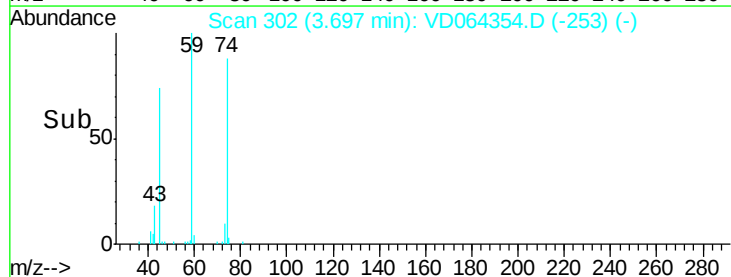
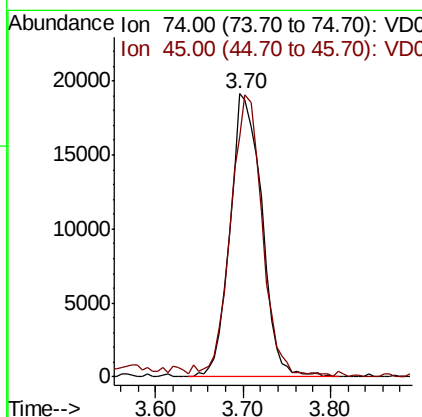
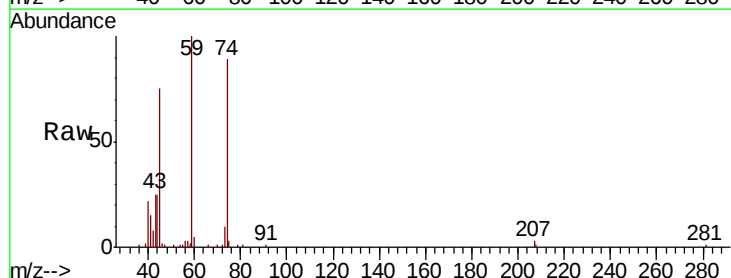
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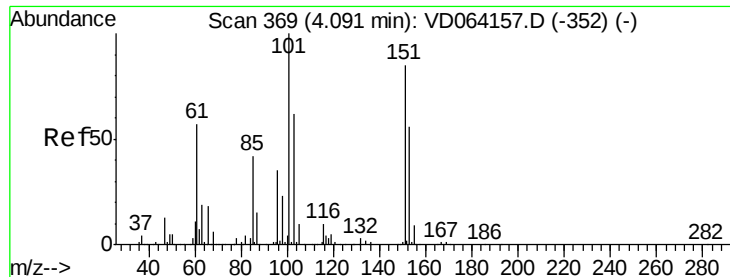


#8

Diethyl Ether
Concen: 20.509 ug/l
RT: 3.70 min Scan# 302
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	46915		
45	99.6	47.9	143.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.591 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

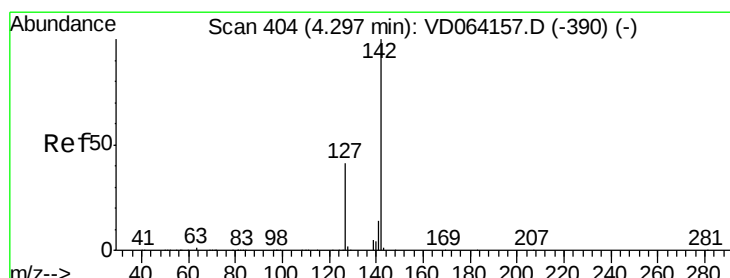
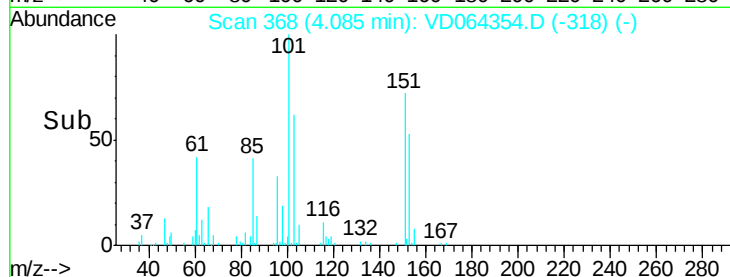
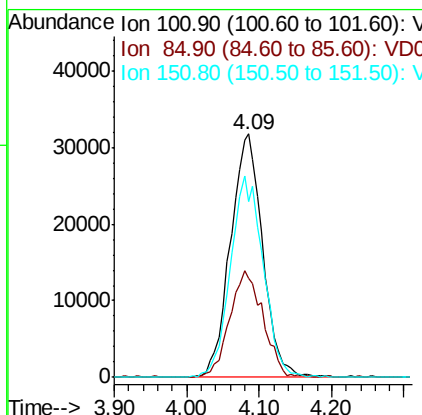
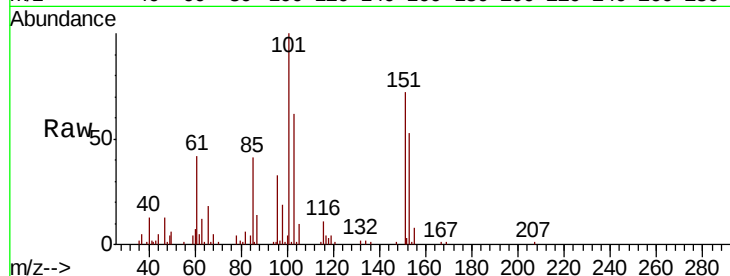
ClientSampleId :

VD1125SBS01

Tot Ion:	101	Resp:	97910
Ion Ratio	Lower	Upper	
101	100		
85	45.4	34.4	51.6
151	83.8	68.1	102.1

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#10

Methyl Iodide

Concen: 18.613 ug/l

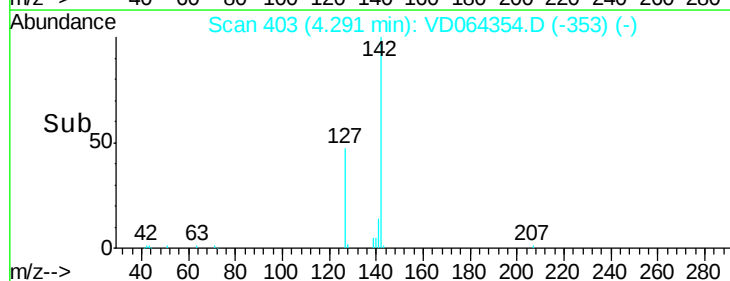
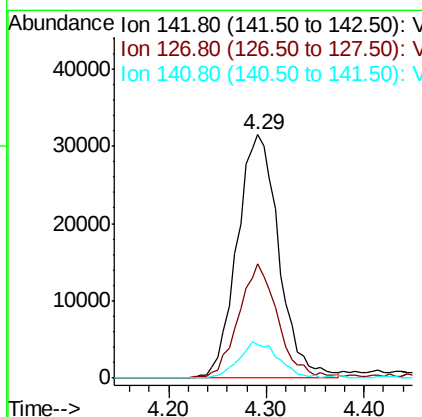
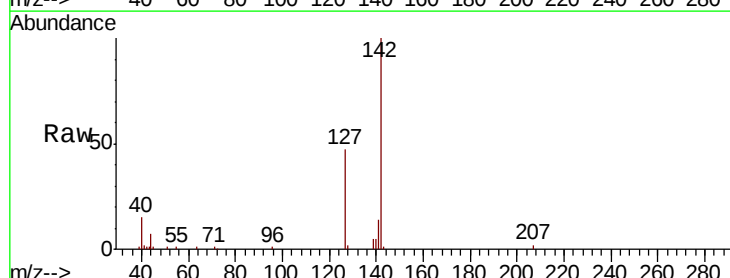
RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Tgt Ion:	142	Resp:	93817
Ion Ratio	Lower	Upper	
142	100		
127	44.4	34.4	51.6
141	14.0	11.2	16.8





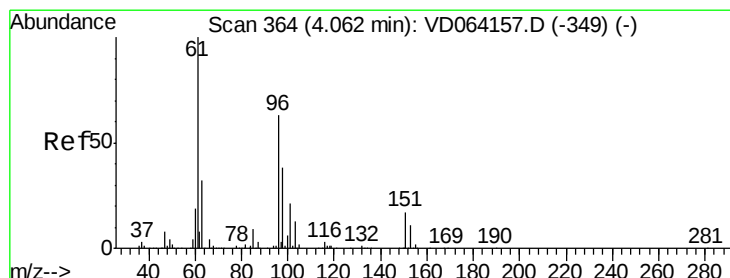
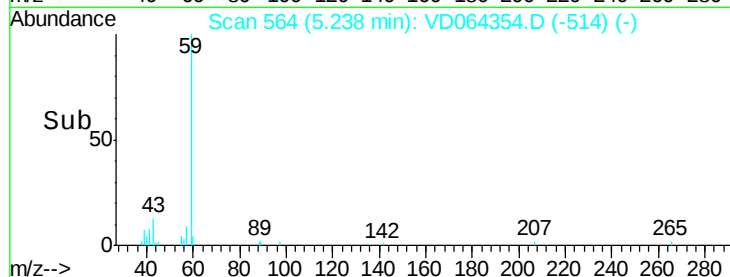
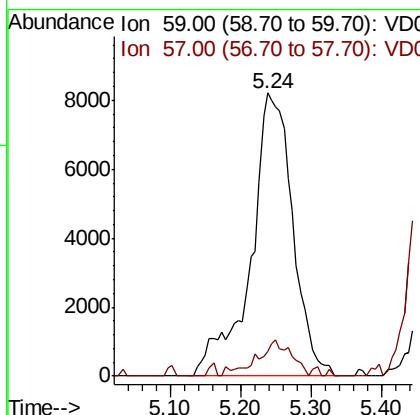
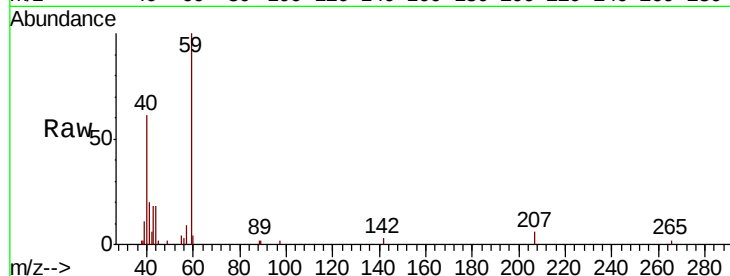
#11
Tert butyl alcohol
Concen: 109.610 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion: 59 Resp: 33962
Ion Ratio Lower Upper
59 100
57 10.4 9.4 14.2

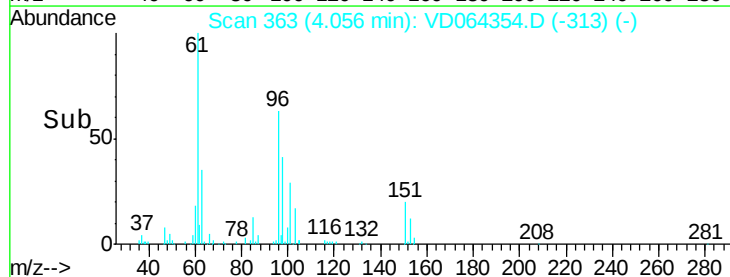
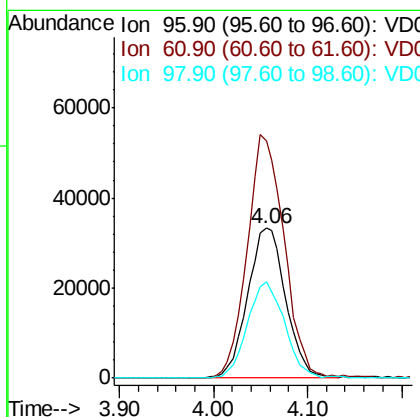
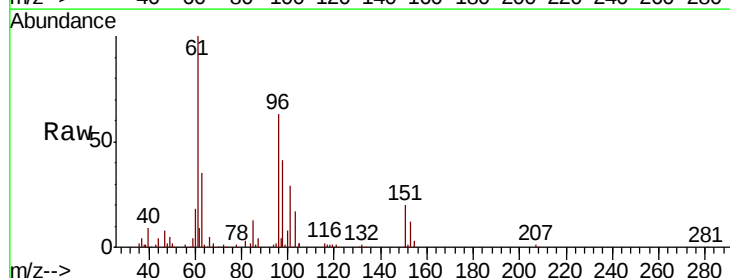
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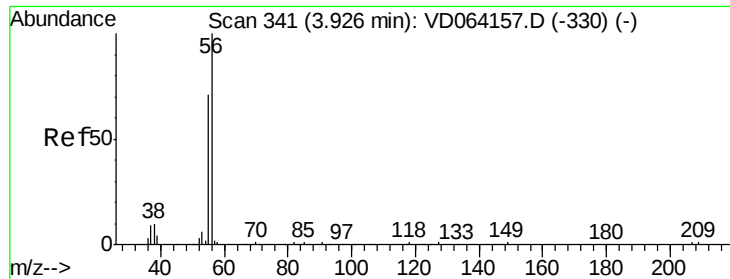
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.560 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion: 96 Resp: 93186
Ion Ratio Lower Upper
96 100
61 157.9 127.4 191.2
98 64.3 48.1 72.1





#13

Acrolein

Concen: 70.052 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1125SBS01

Tot Ion: 56 Resp: 18362

Ion Ratio Lower Upper

56 100

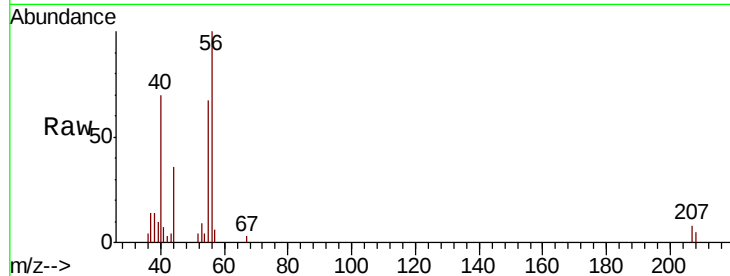
55 72.0 56.1 84.1

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

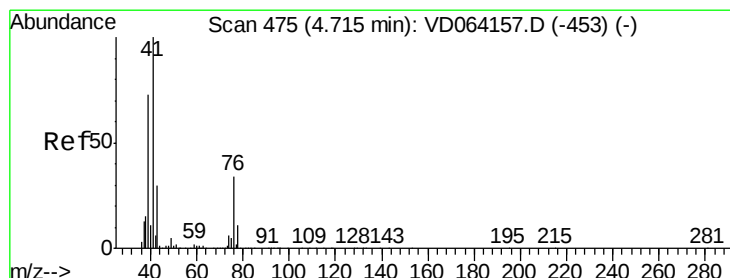
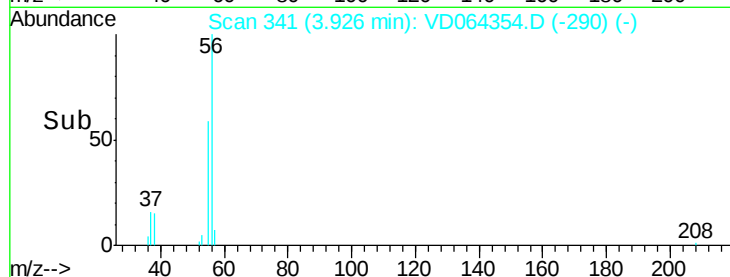
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 18.927 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

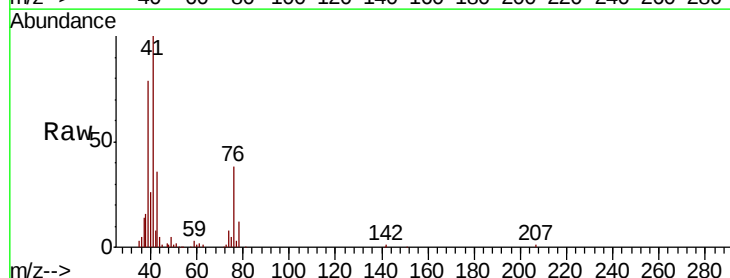
Tgt Ion: 41 Resp: 151670

Ion Ratio Lower Upper

41 100

39 77.5 57.5 86.3

76 37.0 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

4.71

60000

50000

40000

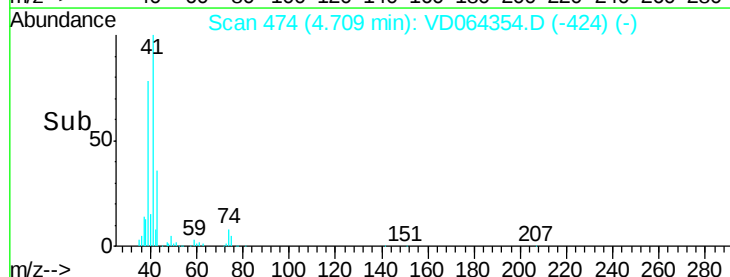
30000

20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 106.578 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

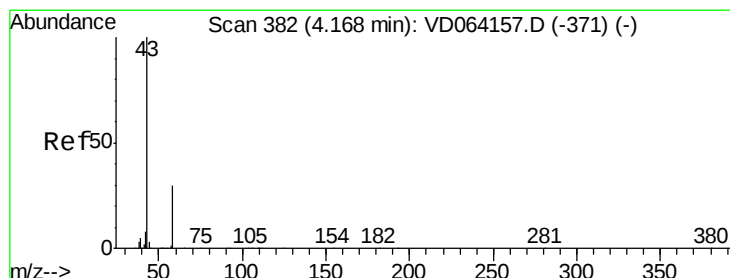
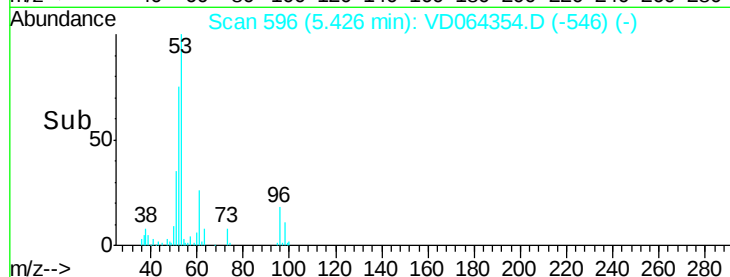
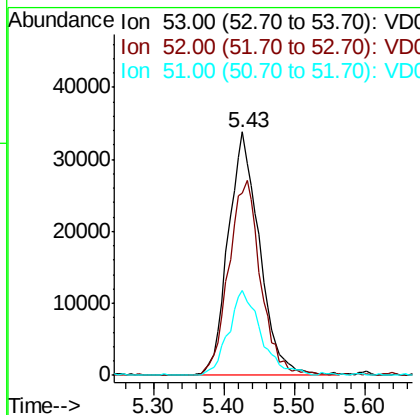
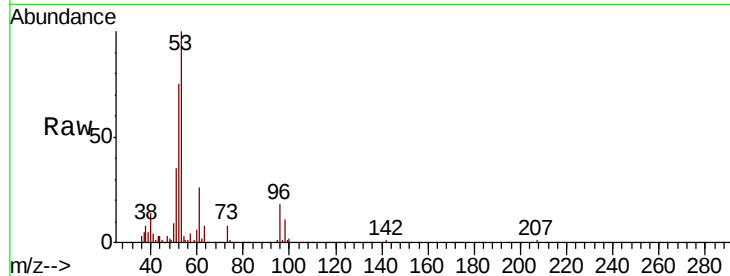
ClientSampleId :

VD1125SBS01

Tot Ion:	53	Resp:	103933
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.7	100.1
51	36.2	30.6	46.0

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#16

Acetone

Concen: 88.166 ug/l

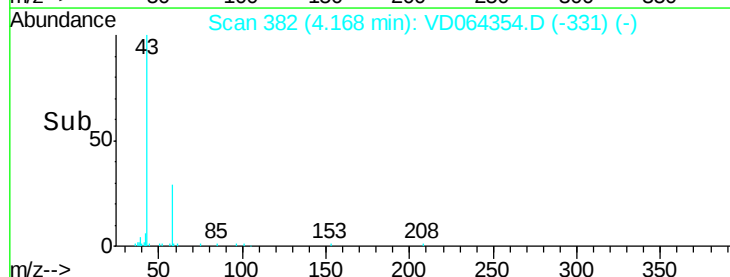
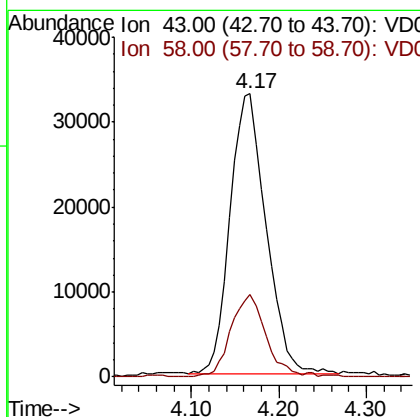
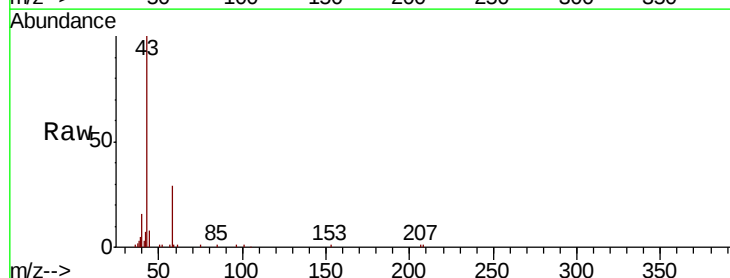
RT: 4.17 min Scan# 382

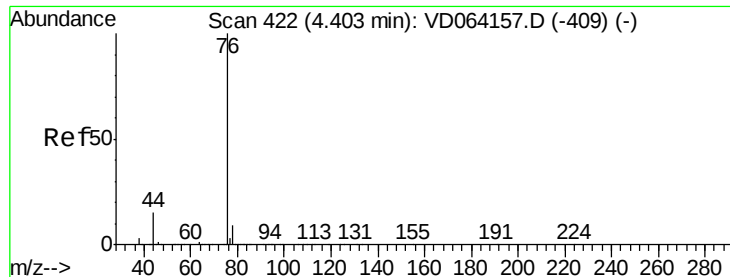
Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Tgt Ion:	43	Resp:	92655
Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.1	36.1





#17

Carbon Disulfide

Concen: 18.790 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1125SBS01

Tot Ion: 76 Resp: 265208

Ion Ratio Lower Upper

76 100

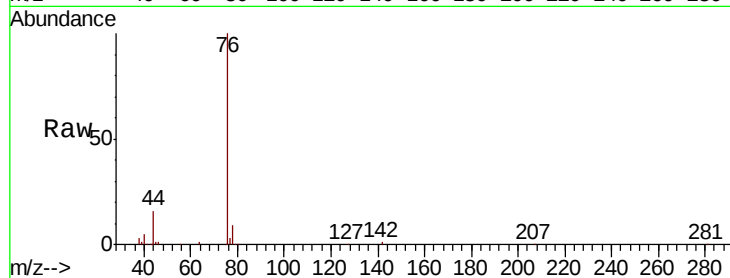
78 8.9 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

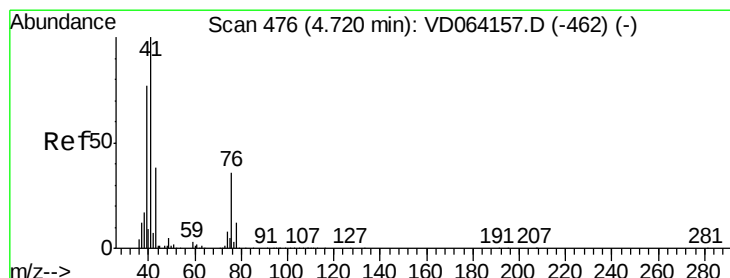
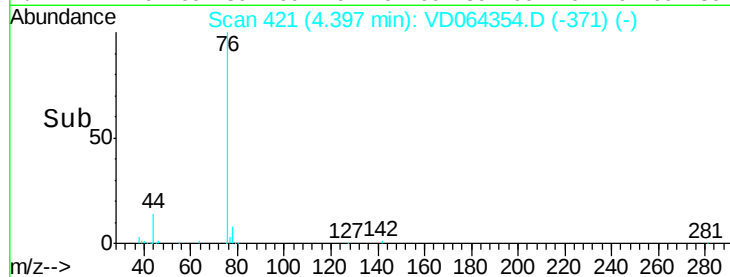
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.471 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064354.D

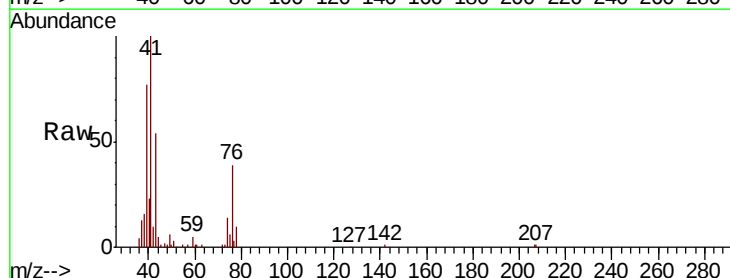
Acq: 25 Nov 2019 12:11

Tgt Ion: 43 Resp: 60087

Ion Ratio Lower Upper

43 100

74 23.5 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

20000

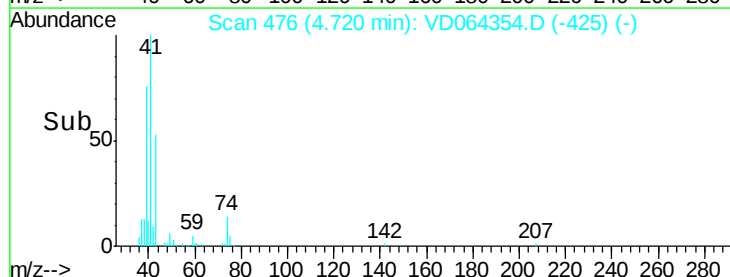
15000

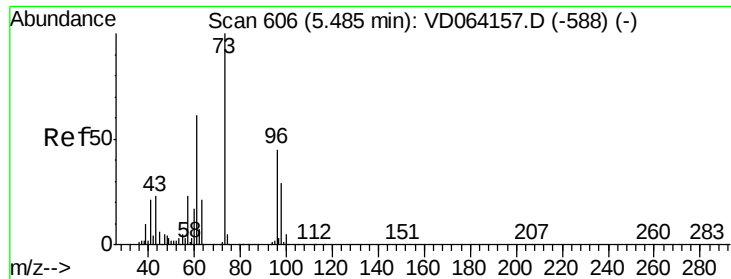
10000

5000

0

Time-->





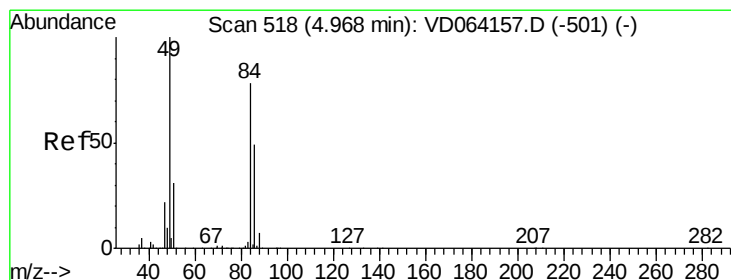
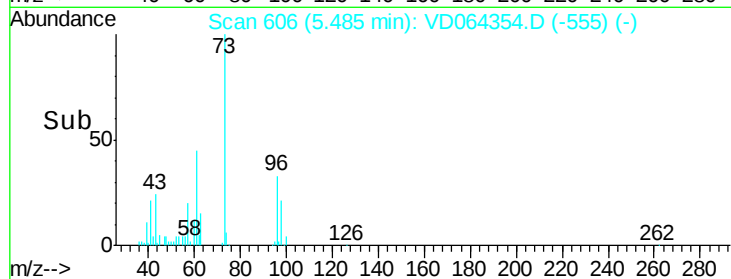
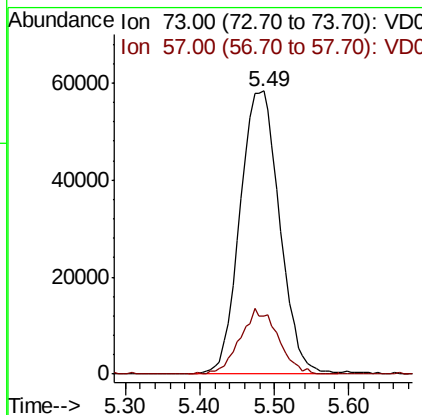
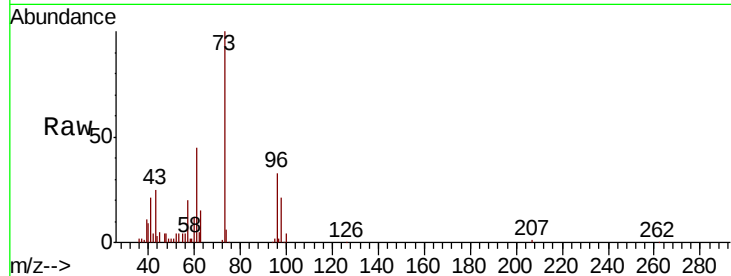
#19
Methvl tert-butvl Ether
Concen: 19.879 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion: 73 Resp: 215088
Ion Ratio Lower Upper
73 100
57 20.3 18.4 27.6

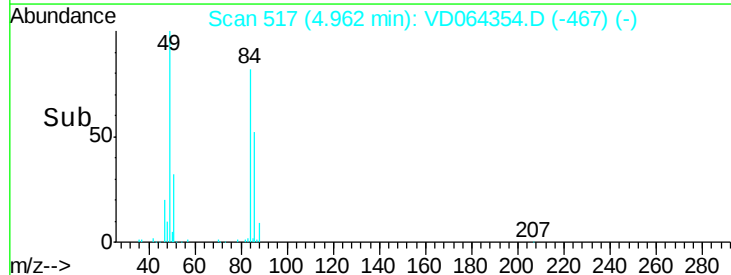
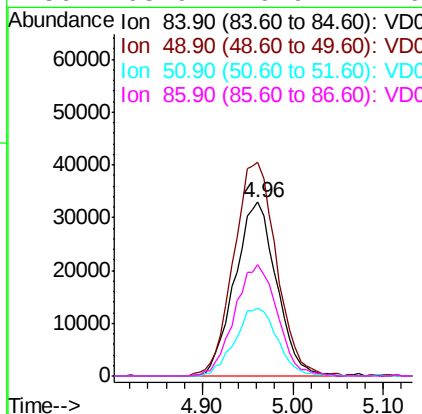
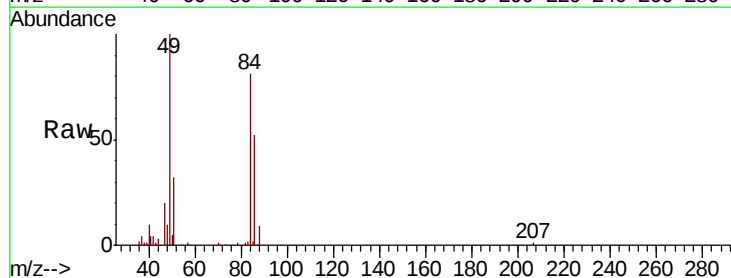
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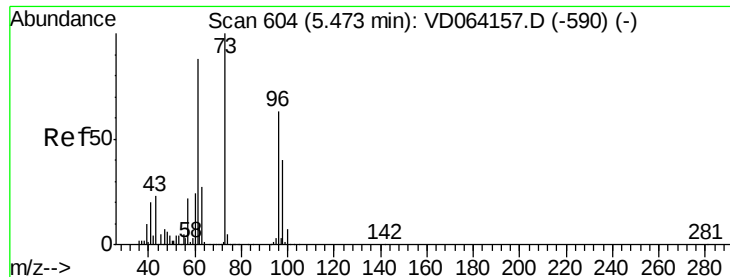
MMDadoda
11/26/2019 9:56:04 AM



#20
Methylene Chloride
Concen: 19.831 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion: 84 Resp: 105276
Ion Ratio Lower Upper
84 100
49 123.1 102.1 153.1
51 39.0 32.2 48.2
86 63.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.120 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

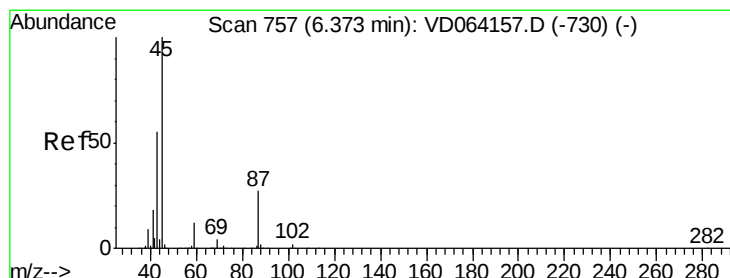
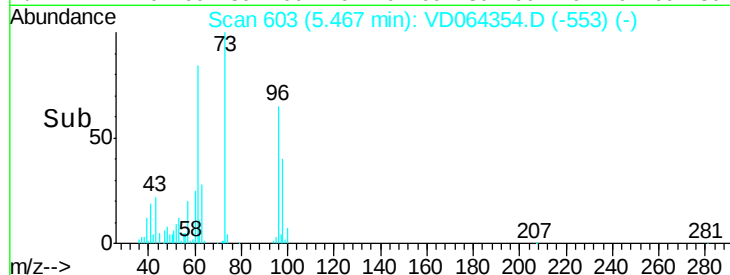
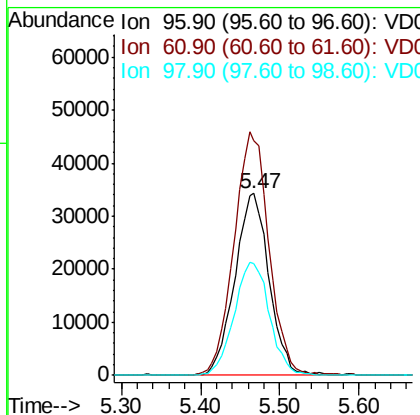
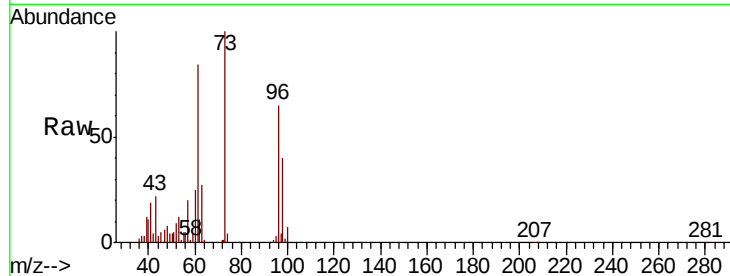
ClientSampleId :

VD1125SBS01

Tot Ion:	96	Resp:	103317
Ion	Ratio	Lower	Upper
96	100		
61	129.2	111.8	167.6
98	61.5	50.3	75.5

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#22

Diisopropyl ether

Concen: 19.766 ug/l

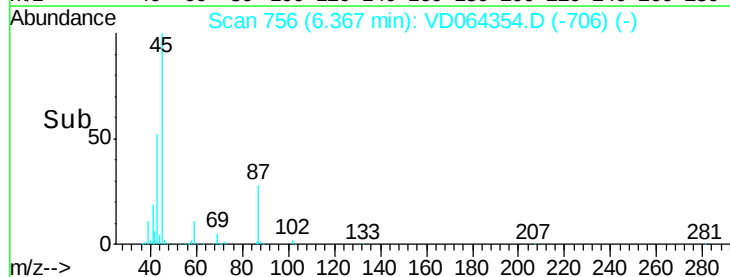
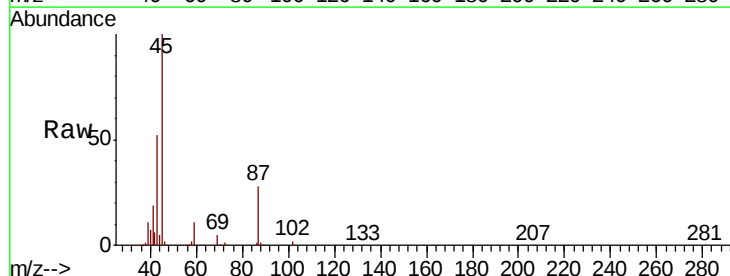
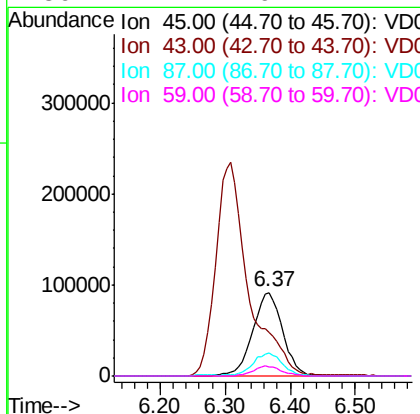
RT: 6.37 min Scan# 756

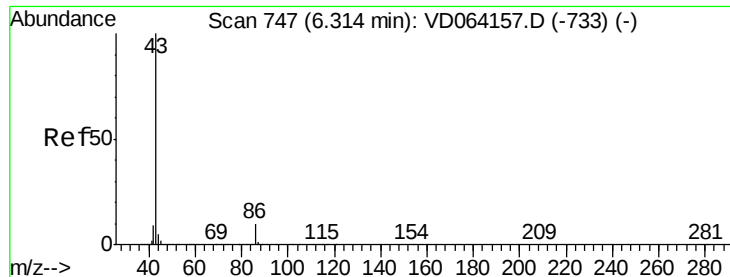
Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Tgt Ion:	45	Resp:	293885
Ion	Ratio	Lower	Upper
45	100		
43	51.6	44.4	66.6
87	27.6	21.9	32.9
59	11.1	9.4	14.2





#23

Vinyl Acetate

Concen: 98.450 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleID :

VD1125SBS01

Tot Ion: 43 Resp: 815961

Ion Ratio Lower Upper

43 100

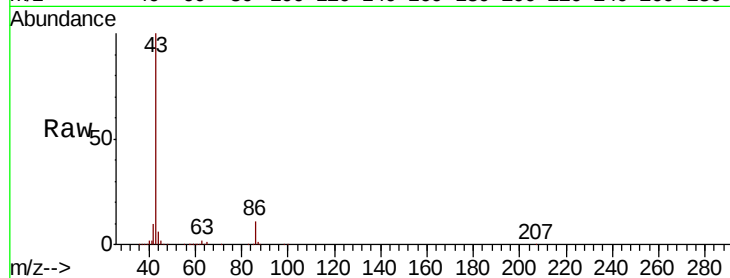
86 10.6 8.2 12.2

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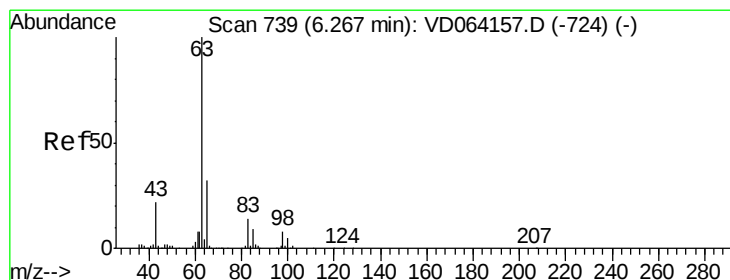
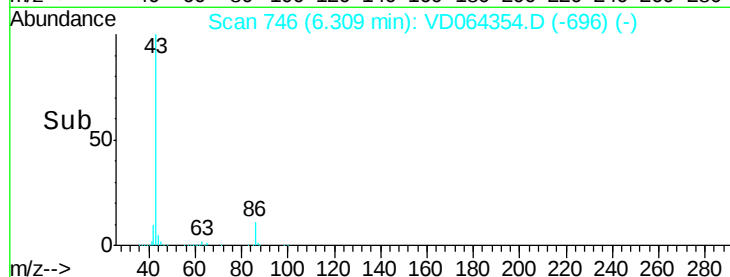
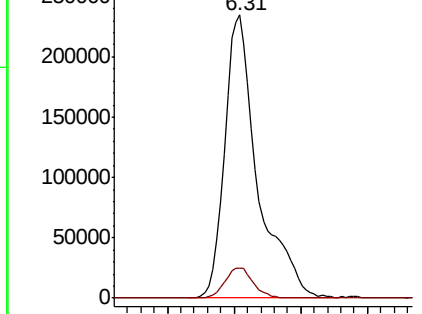
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.816 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

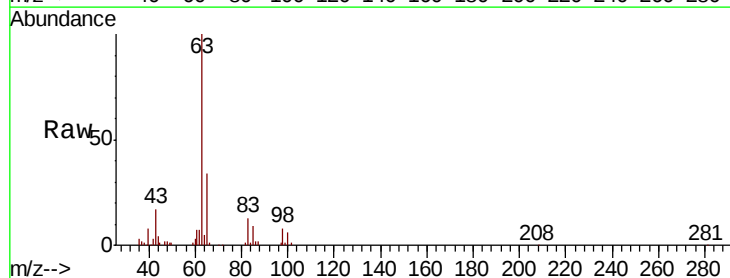
Tgt Ion: 63 Resp: 179705

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

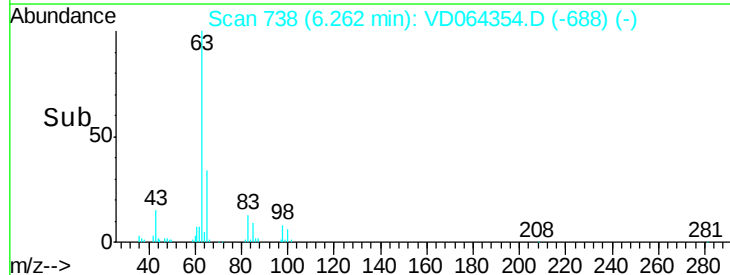
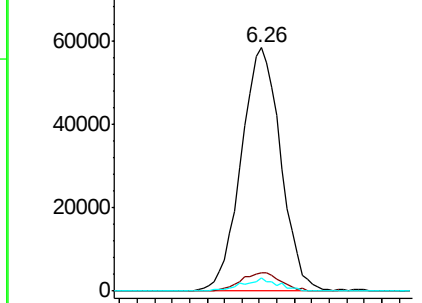
100 5.6 2.4 7.2



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: 95.725 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1125SBS01

Tot Ion: 43 Resp: 129969

Ion Ratio Lower Upper

43 100

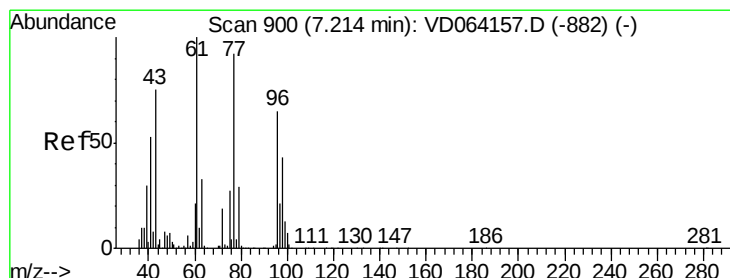
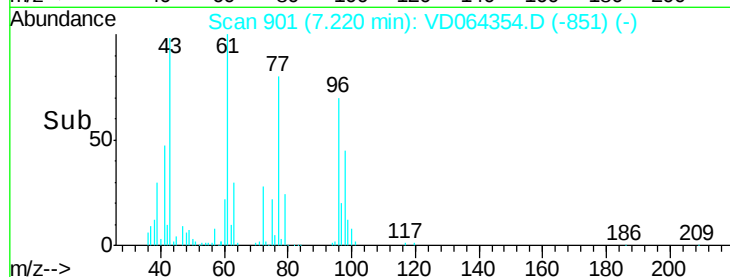
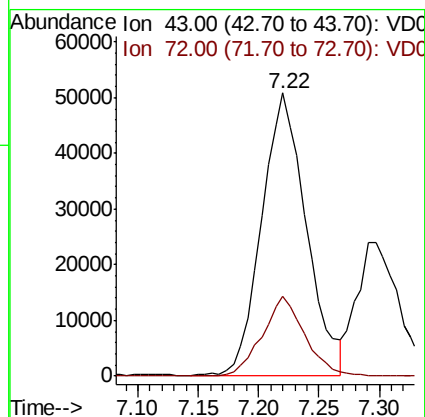
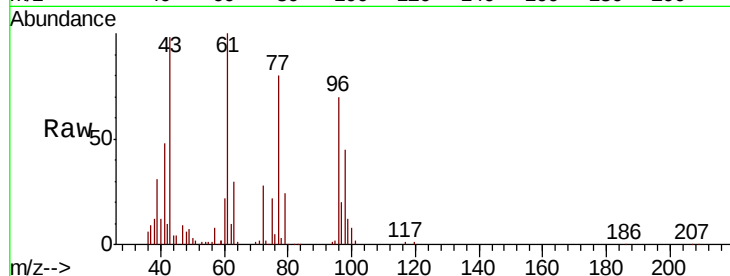
72 28.5 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.586 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064354.D

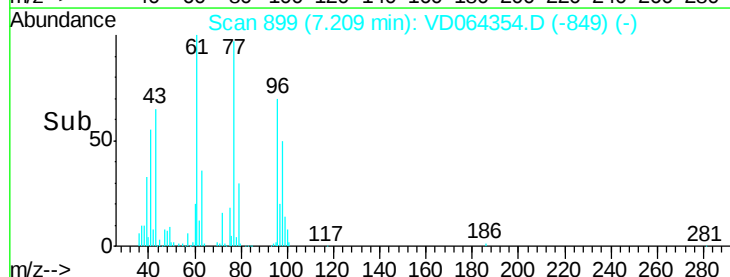
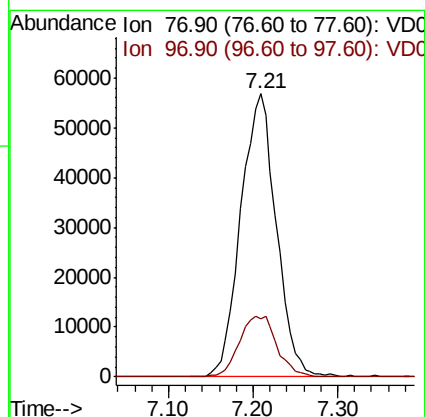
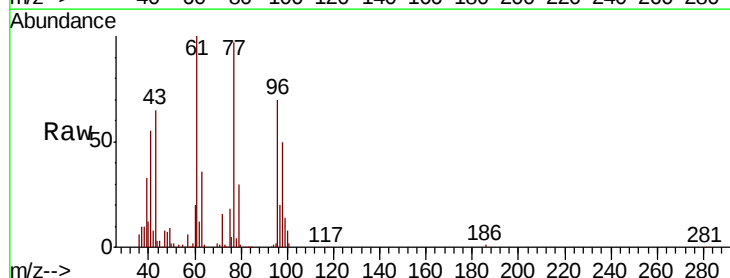
Acq: 25 Nov 2019 12:11

Tgt Ion: 77 Resp: 165823

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3





#27

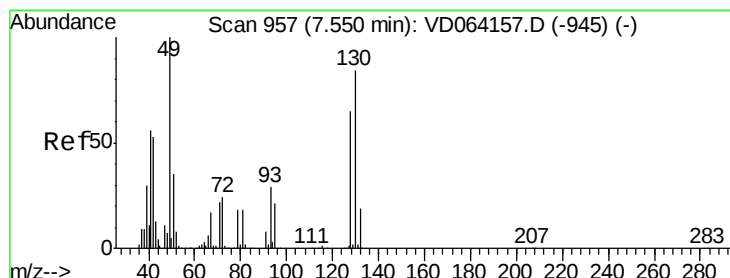
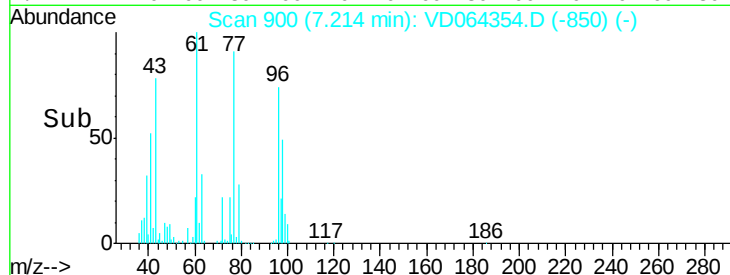
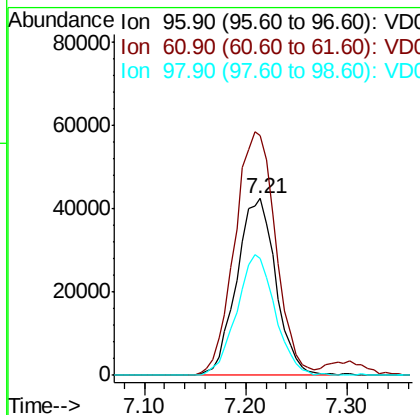
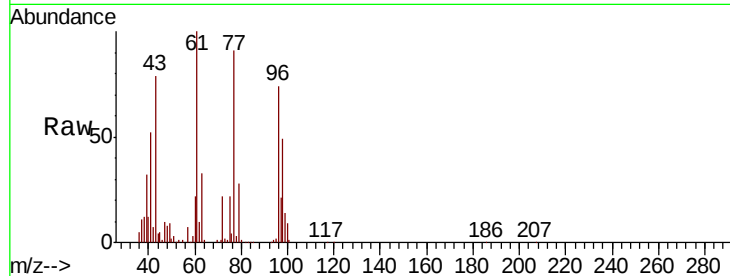
cis-1,2-Dichloroethene
 Concen: 20.668 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1125SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	113810		
61	143.9	0.0	301.4	
98	67.1	0.0	133.2	

Manual Integrations
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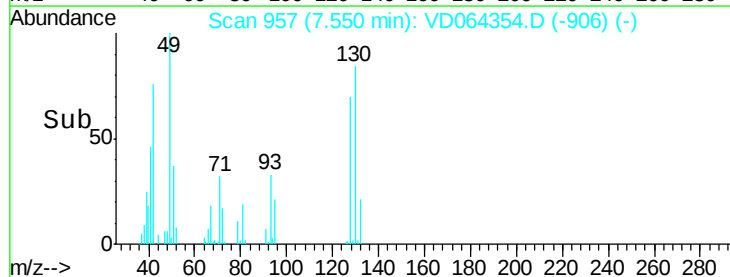
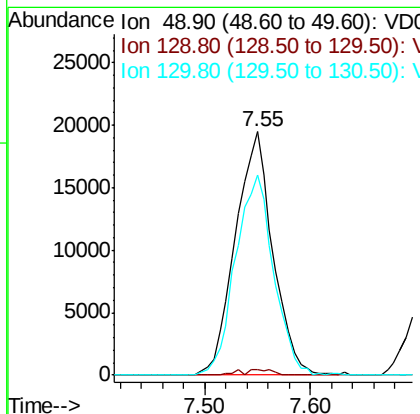
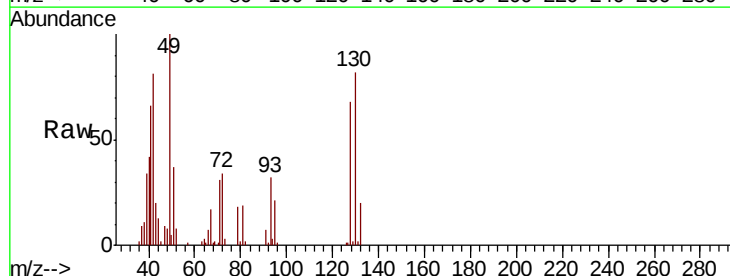
MMDadoda
 11/26/2019 9:56:04 AM

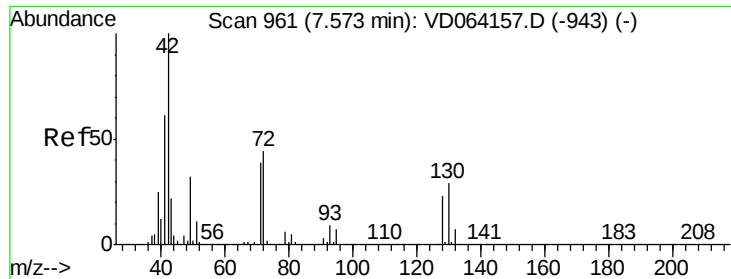


#28

Bromochloromethane
 Concen: 15.966 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	47987		
129	1.4	0.0	4.4	
130	83.3	66.8	100.2	





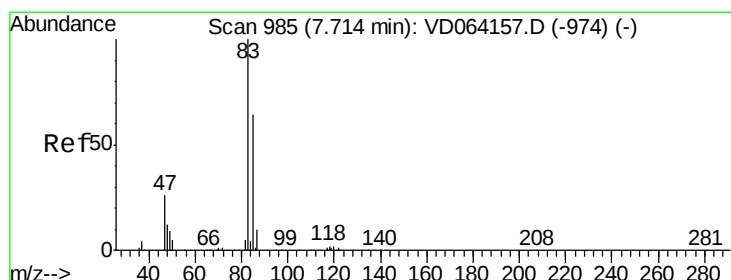
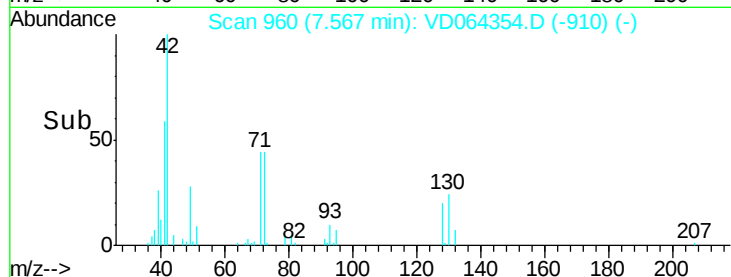
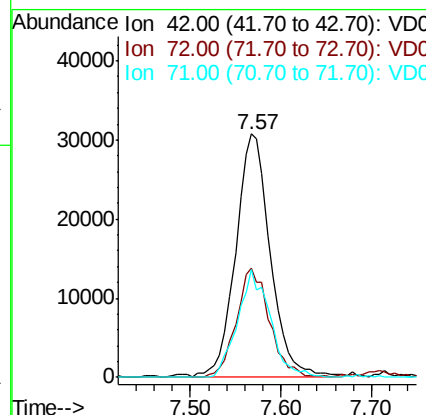
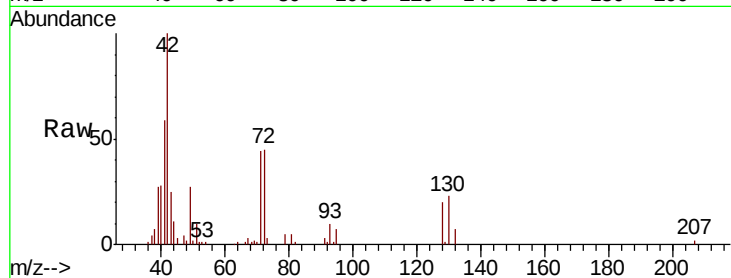
#29
Tetrahydrofuran
Concen: 100.141 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.4	50.2
71	41.4	31.0	46.4

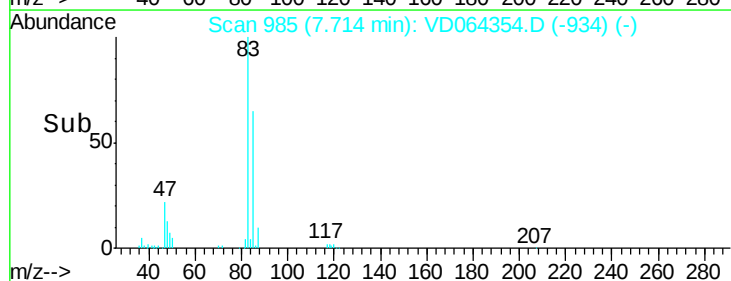
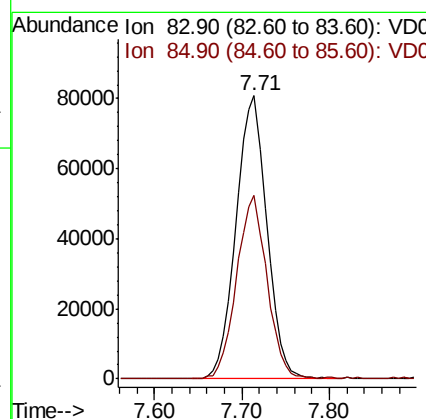
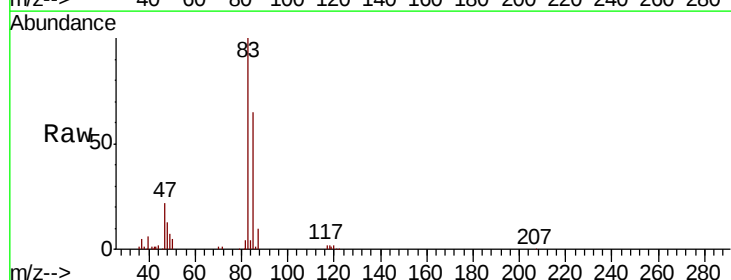
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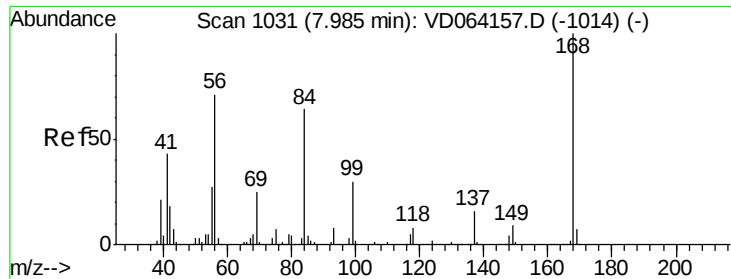
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#30
Chloroform
Concen: 21.938 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.0





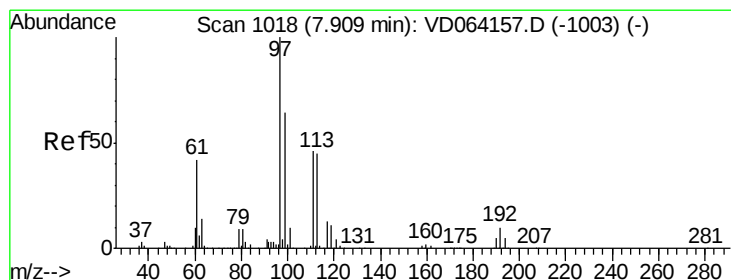
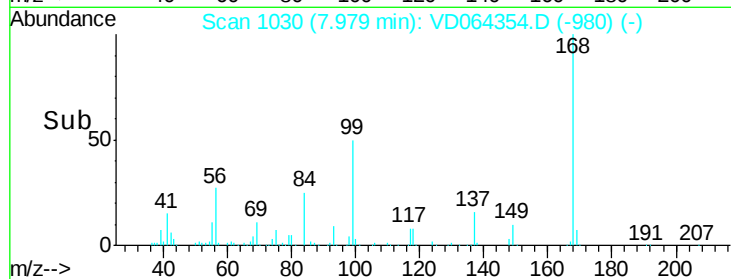
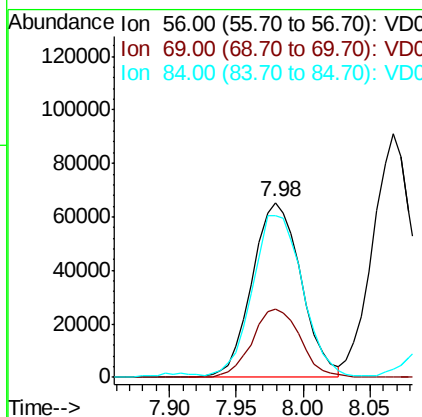
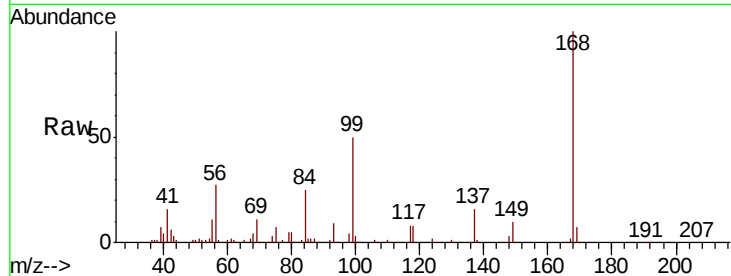
#31
Cyclohexane
Concen: 19.126 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	28.2	42.4
84	90.6	71.8	107.6

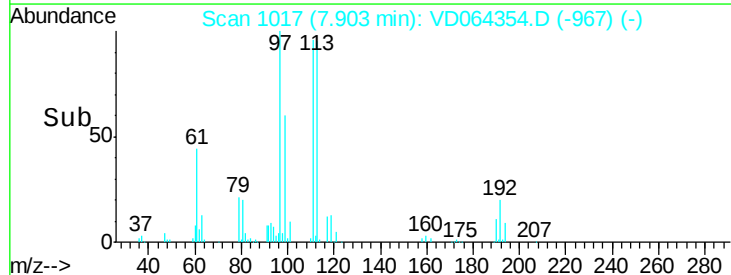
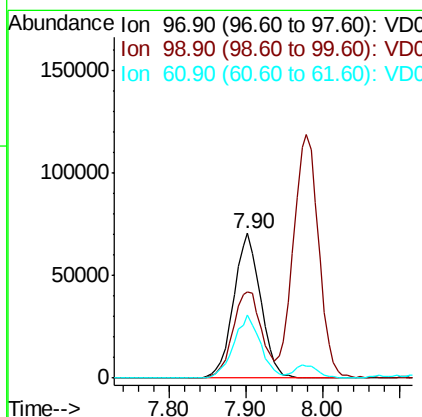
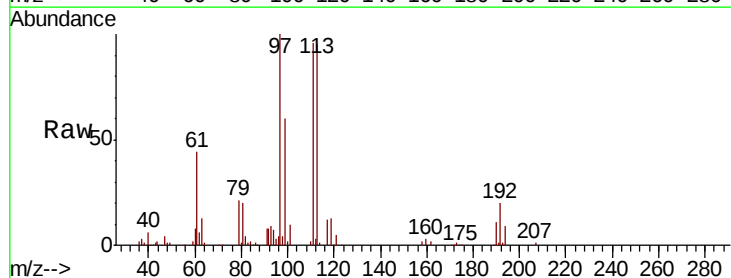
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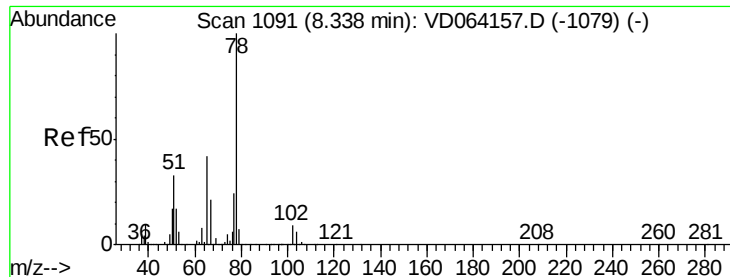
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11/26/2019 9:56:04 AM



#32
1,1,1-Trichloroethane
Concen: 20.626 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.6	77.4
61	42.9	34.2	51.2





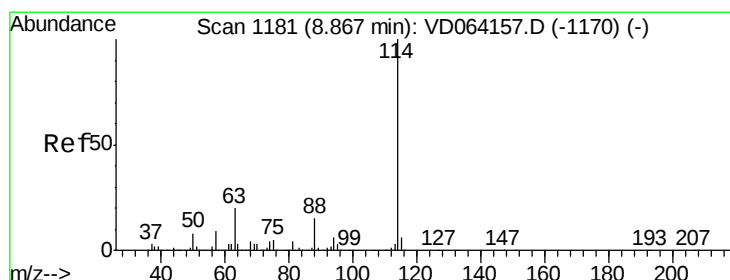
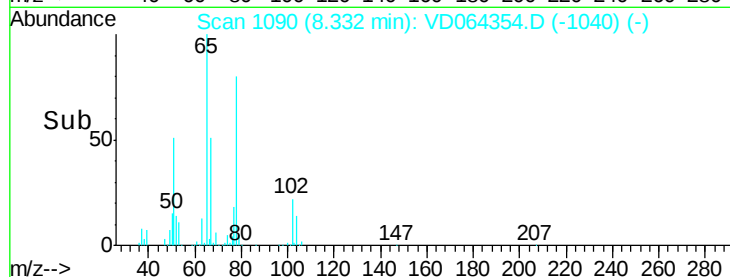
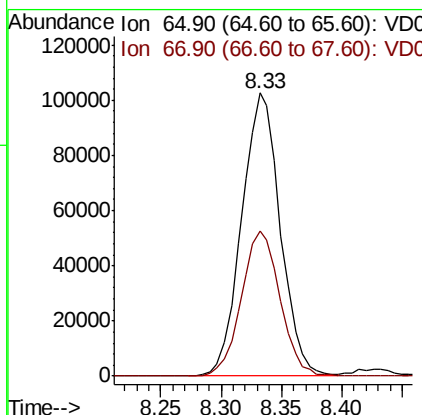
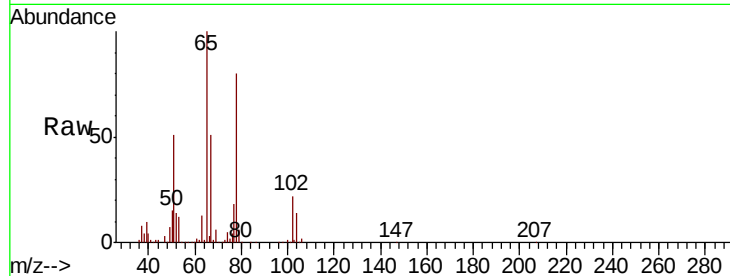
#33
 1,2-Dichloroethane-d4
 Concen: 51.413 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1125SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	104.4

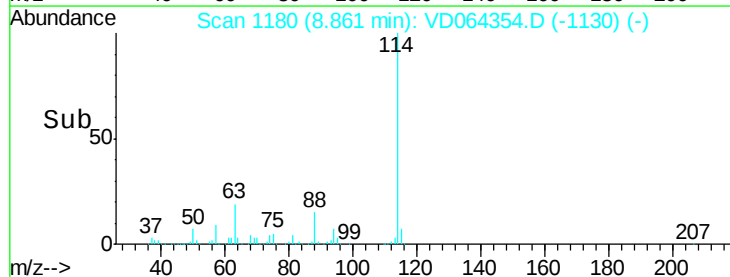
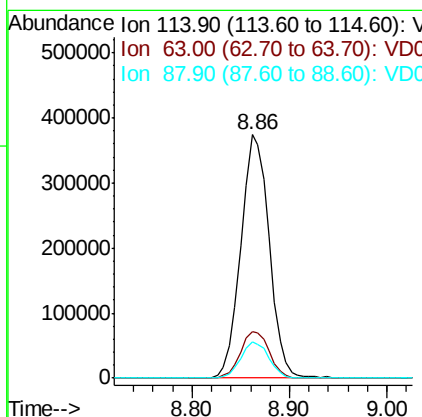
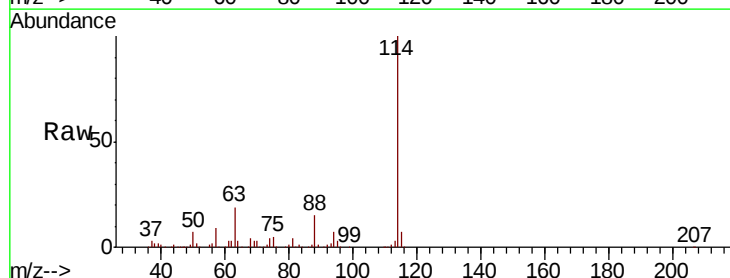
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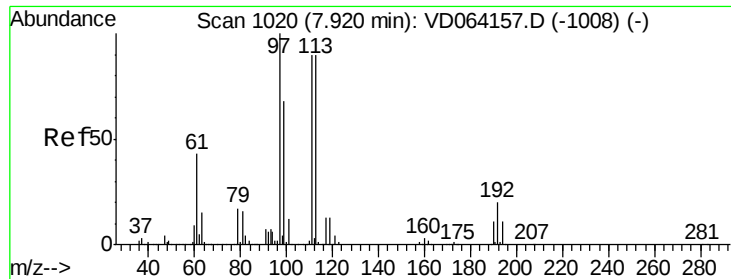
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	40.0
88	14.9	0.0	30.2





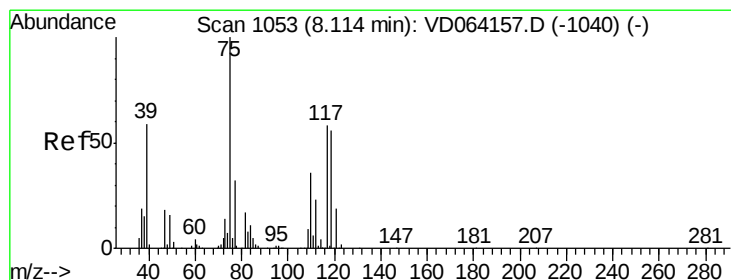
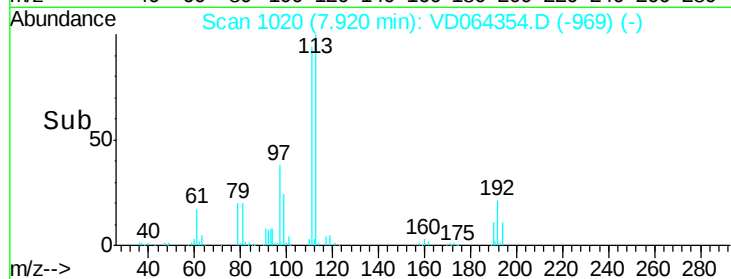
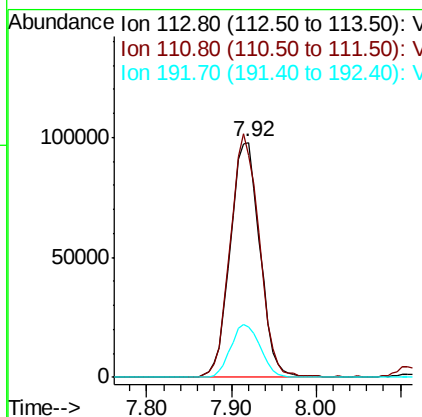
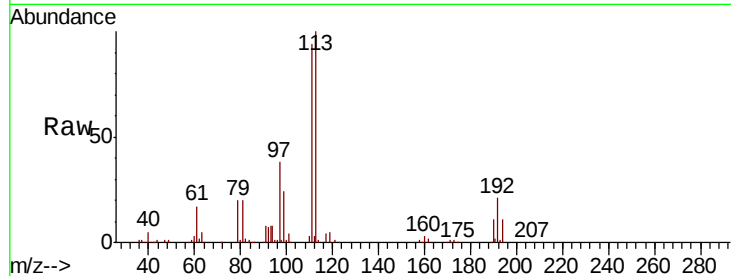
#35
Dibromofluoromethane
Concen: 54.172 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	237150		
111	101.2		81.5	122.3
192	22.4		18.8	28.2

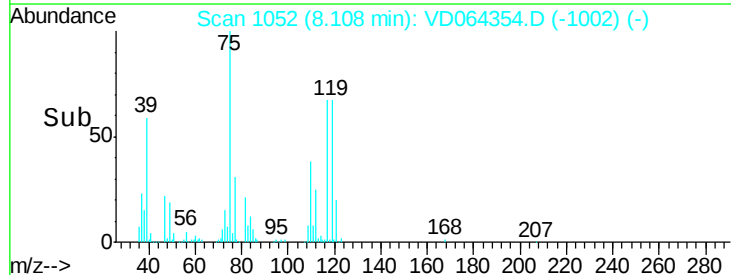
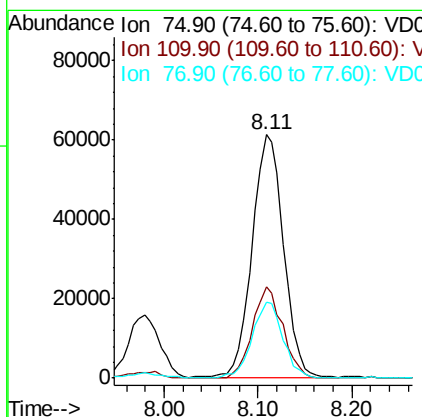
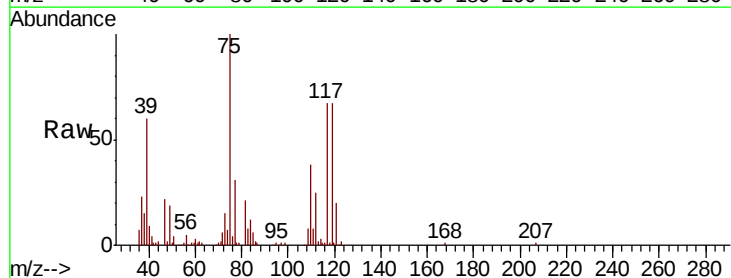
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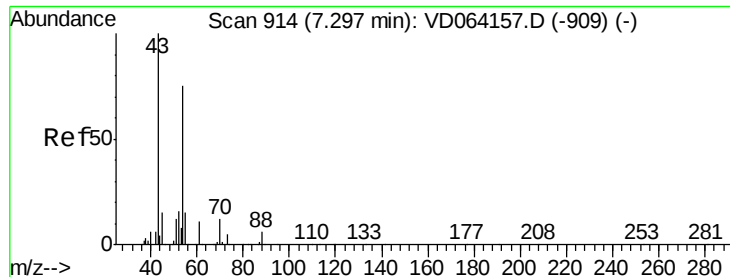
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#36
1,1-Dichloropropene
Concen: 20.248 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142519		
110	36.0		18.3	54.9
77	30.8		25.0	37.6





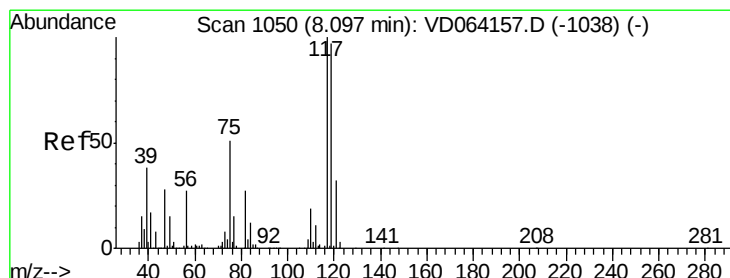
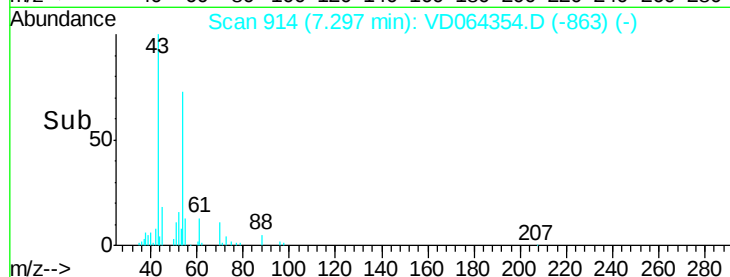
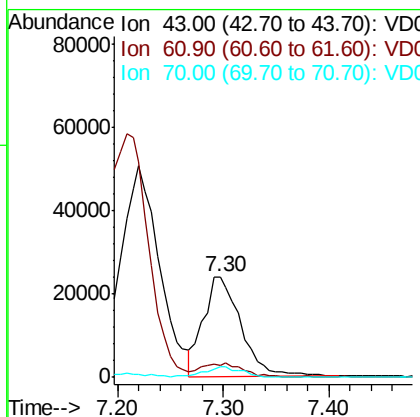
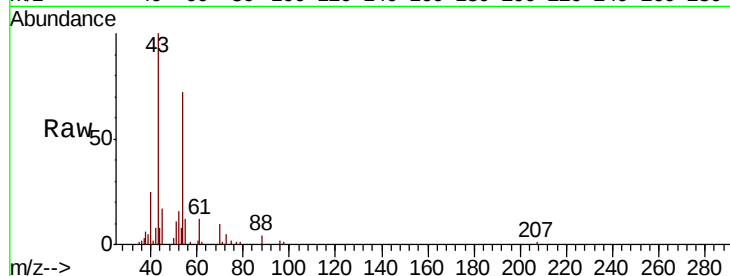
#37
Ethyl Acetate
Concen: 19.846 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	10.2	15.2#
70	10.9	8.5	12.7

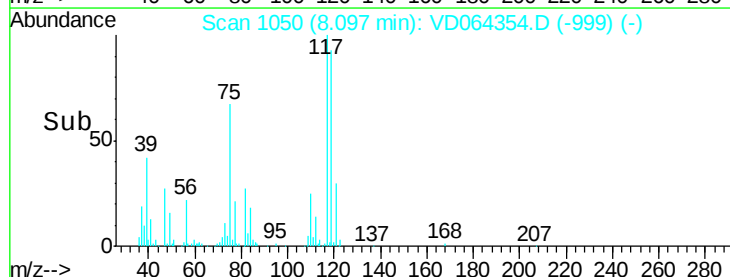
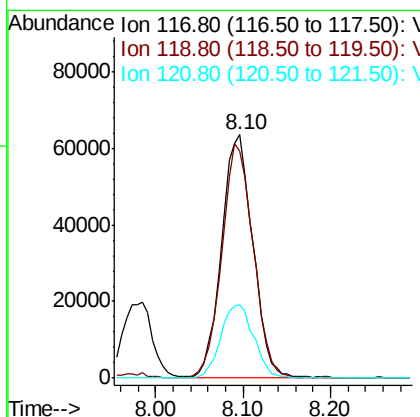
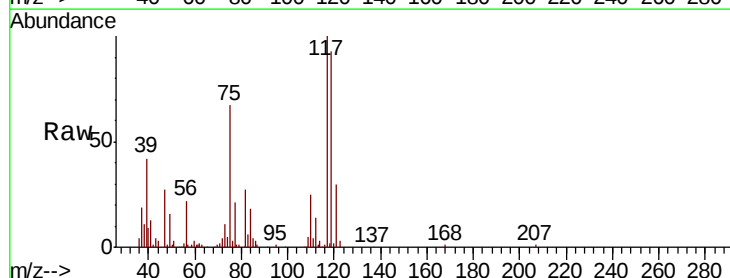
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#38
Carbon Tetrachloride
Concen: 20.741 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.2	115.8
121	30.1	25.5	38.3





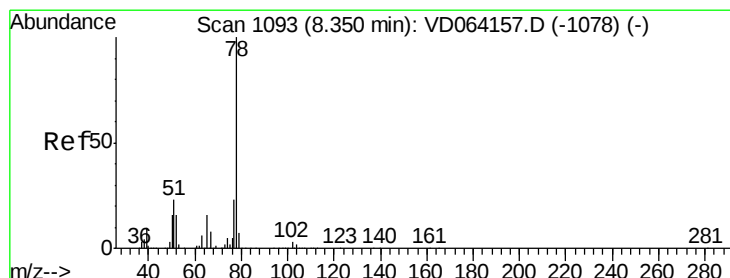
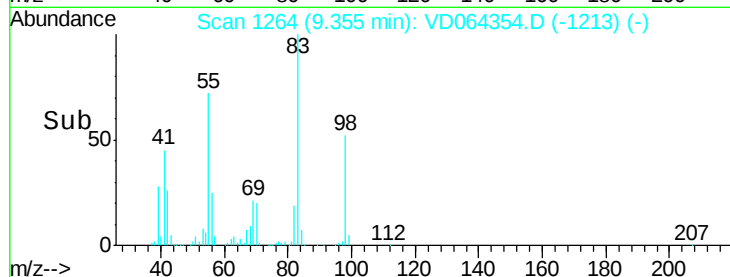
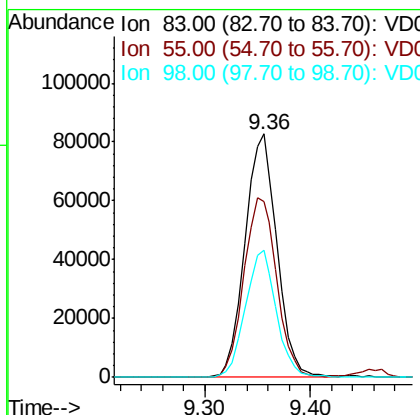
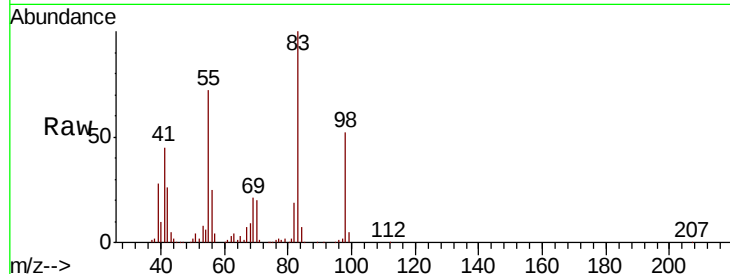
#39
Methvlcvclohexane
Concen: 19.508 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.2	61.7	92.5
98	52.4	38.6	58.0

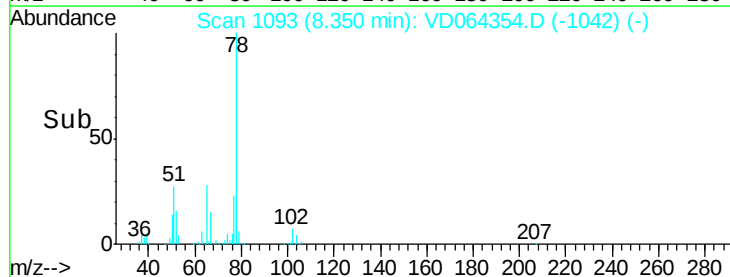
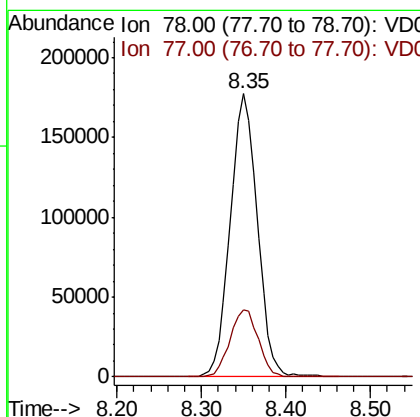
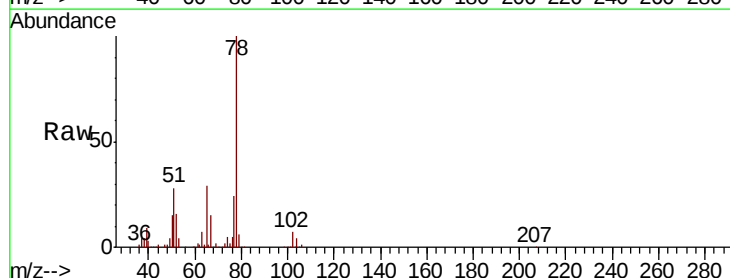
Manual Integrations
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#40
Benzene
Concen: 20.371 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





#41

Methacrylonitrile

Concen: 16.734 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1125SBS01

Tot Ion: 41 Resp: 31208

Ion Ratio Lower Upper

41 100

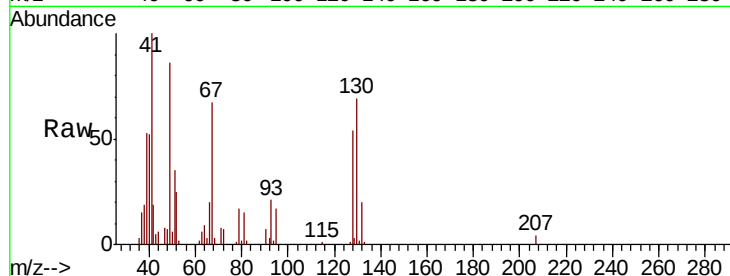
39 72.9 49.4 74.2

67 81.4 49.6 74.4#

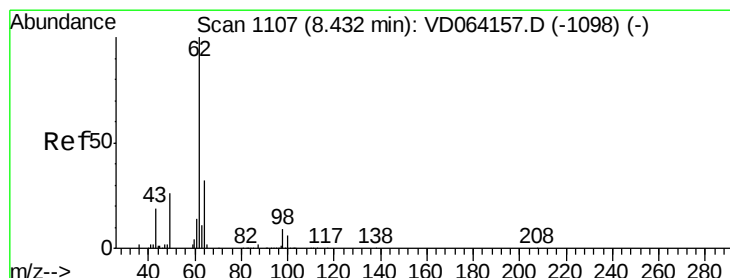
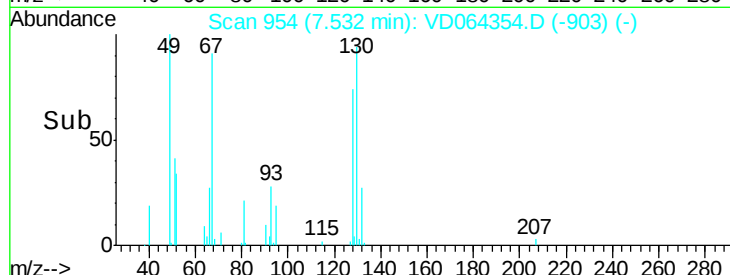
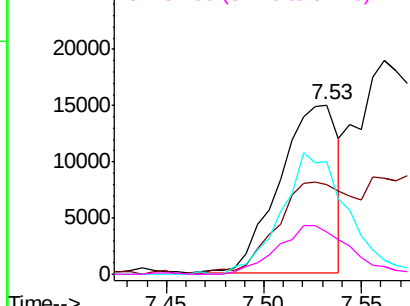
52 35.2 21.4 32.0#

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



#42

1,2-Dichloroethane

Concen: 19.983 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064354.D

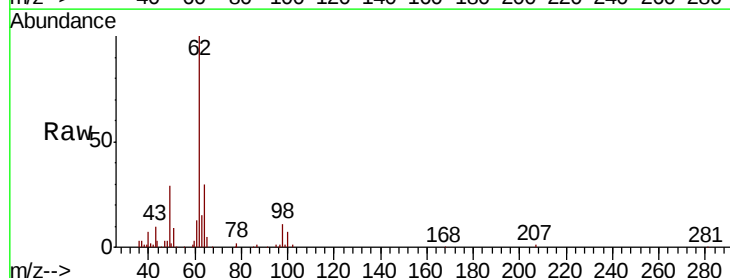
Acq: 25 Nov 2019 12:11

Tgt Ion: 62 Resp: 115450

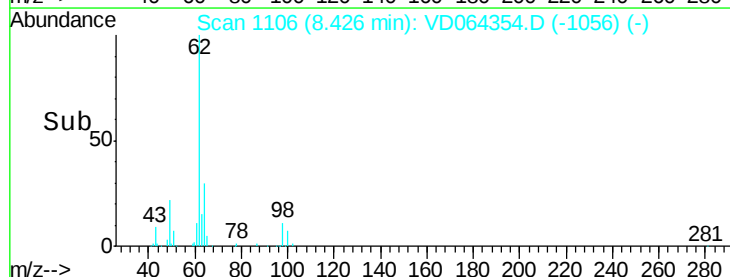
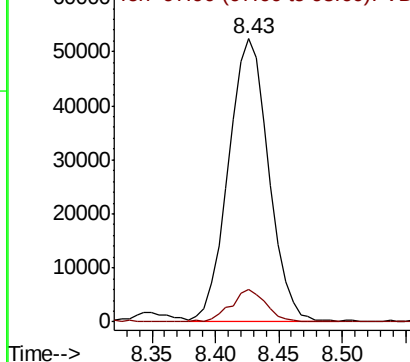
Ion Ratio Lower Upper

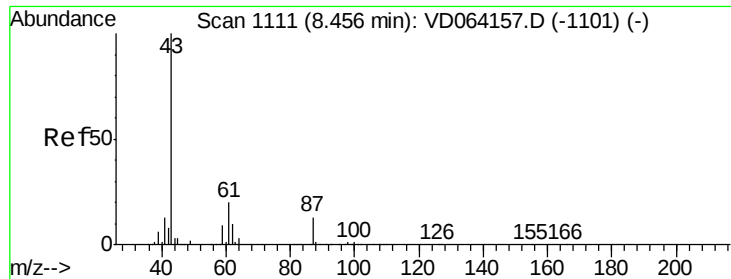
62 100

98 10.2 0.0 19.0



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





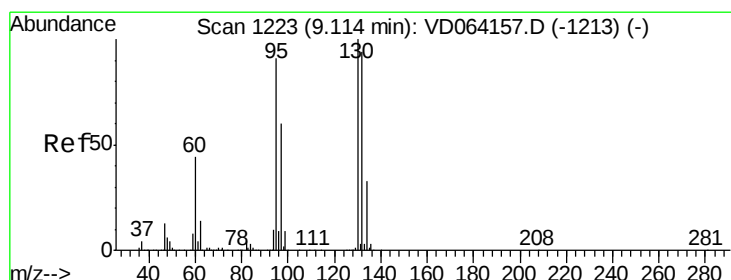
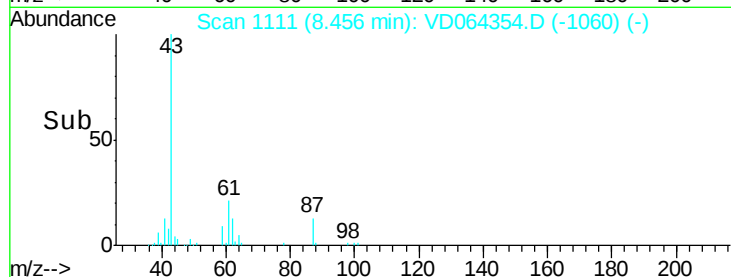
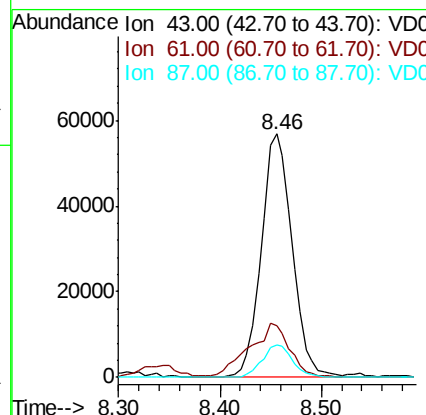
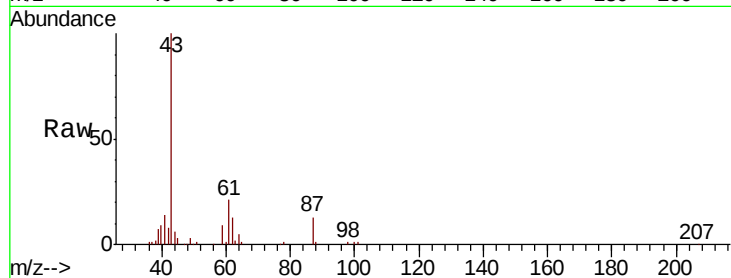
#43
Isopropyl Acetate
Concen: 19.684 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	22.9	34.3
87	13.0	10.2	15.2

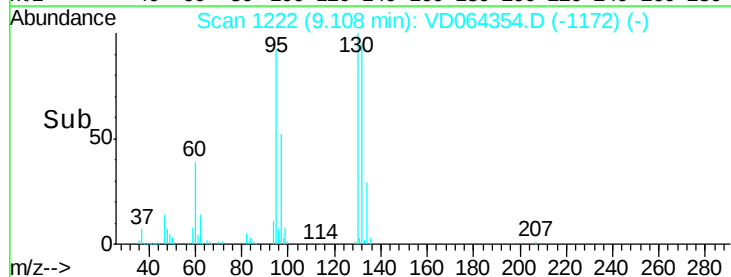
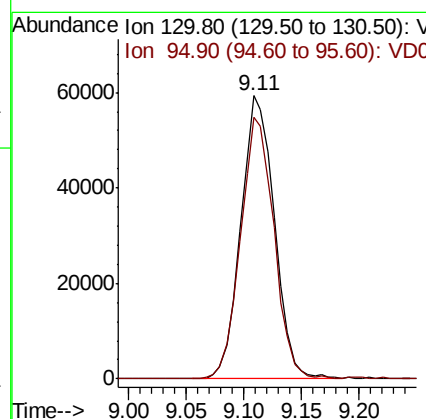
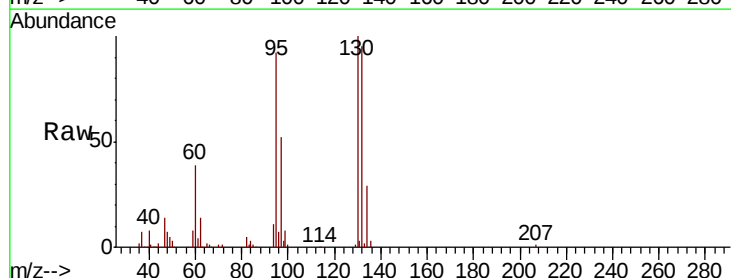
Manual Integrations
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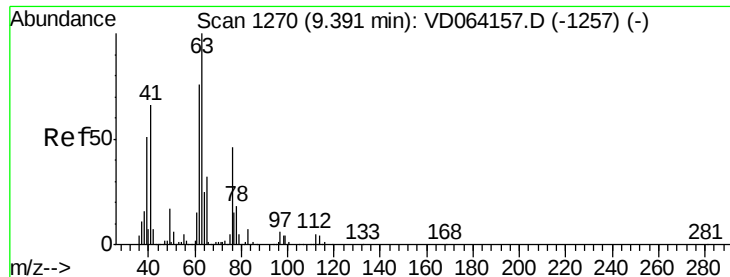
MMDadoda
11/26/2019 9:56:04 AM



#44
Trichloroethene
Concen: 20.729 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	181.6





#45

1,2-Dichloropropane

Concen: 20.628 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1125SBS01

Tot Ion: 63 Resp: 96584

Ion Ratio Lower Upper

63 100

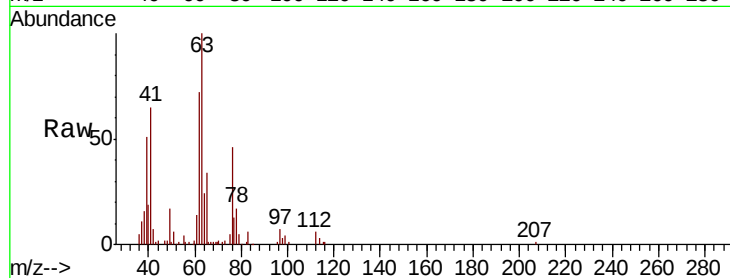
65 33.6 25.7 38.5

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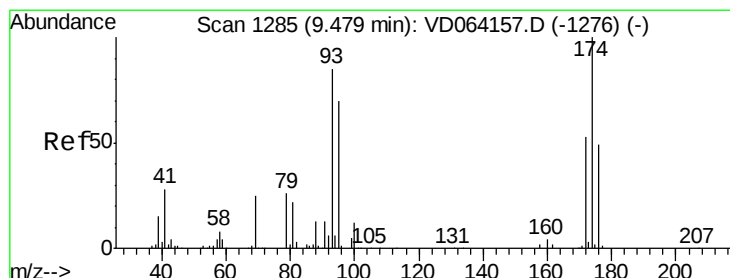
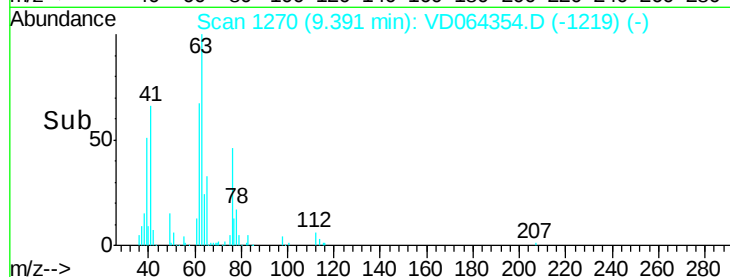
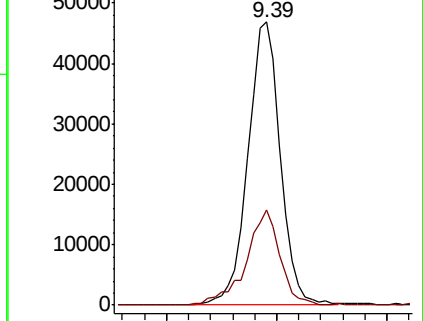
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.249 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

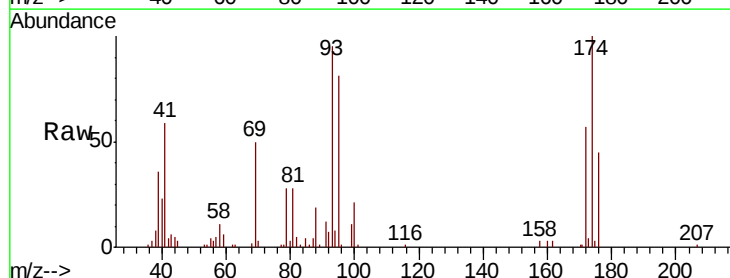
Tgt Ion: 93 Resp: 53262

Ion Ratio Lower Upper

93 100

95 83.4 65.5 98.3

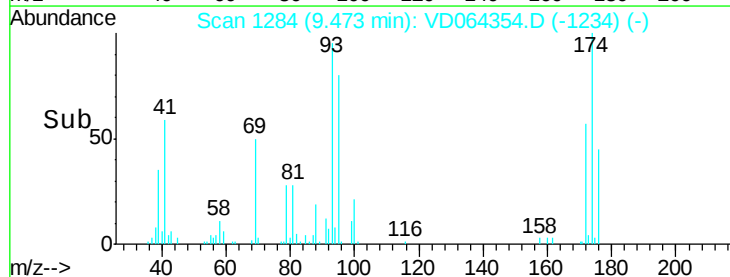
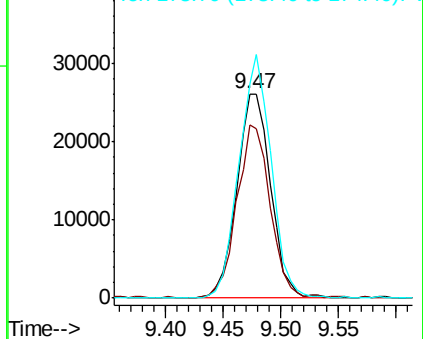
174 112.8 93.9 140.9

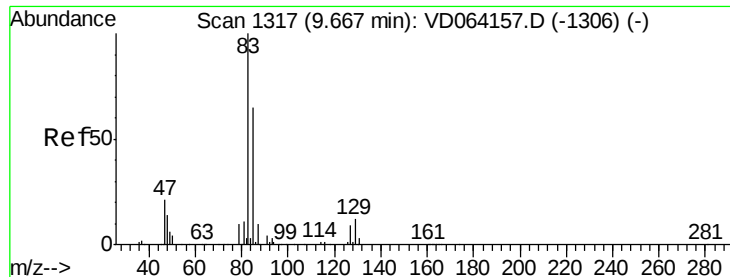


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.040 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

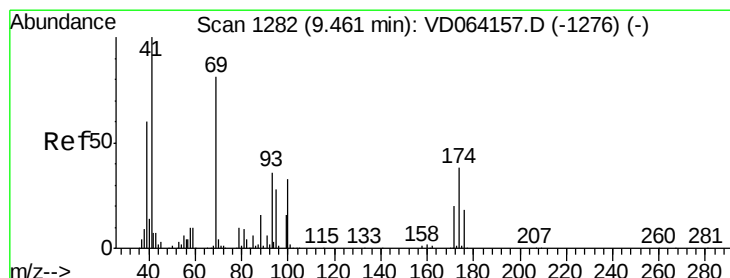
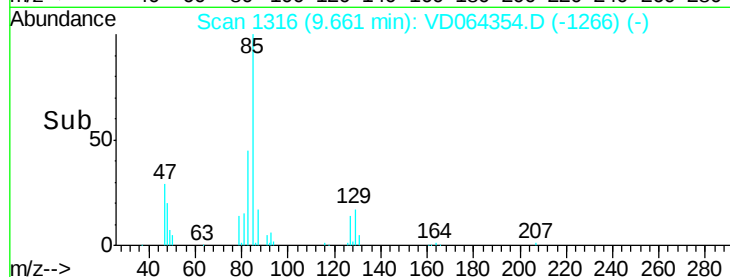
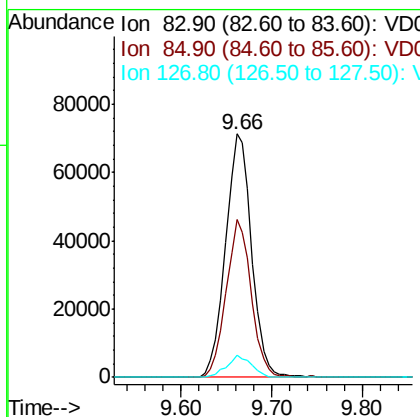
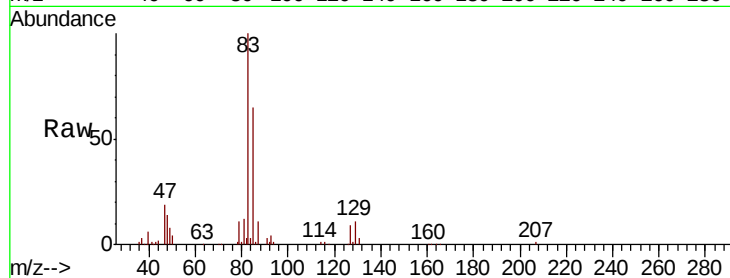
ClientSampleId :

VD1125SBS01

Tot Ion:	83	Resp:	142057
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4
127	9.3	7.5	11.3

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#48

Methyl methacrylate

Concen: 18.585 ug/l

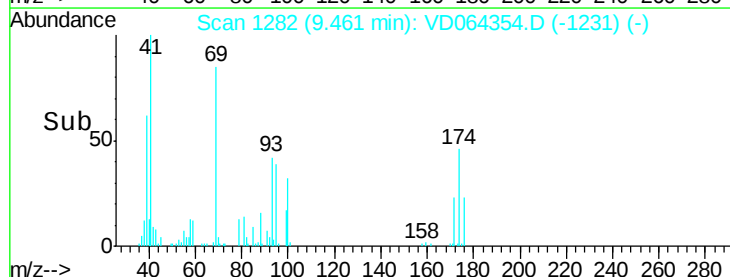
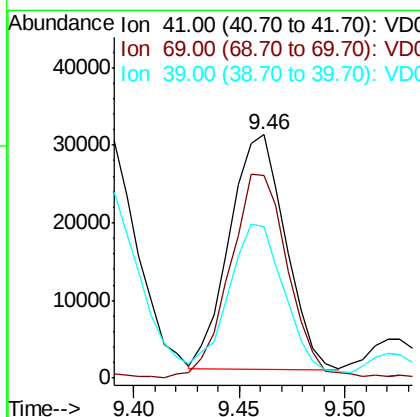
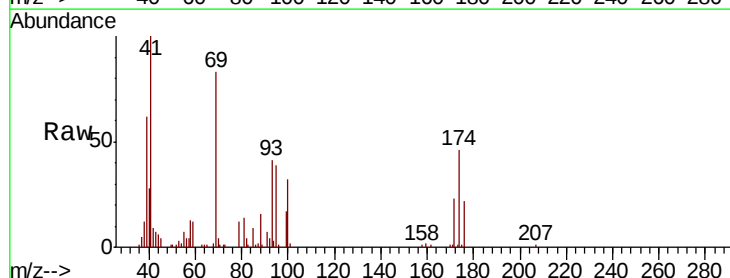
RT: 9.46 min Scan# 1282

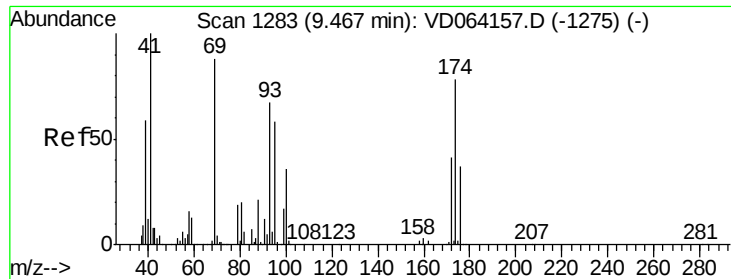
Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Tgt Ion:	41	Resp:	55561
Ion	Ratio	Lower	Upper
41	100		
69	90.5	64.6	97.0
39	61.9	48.2	72.2





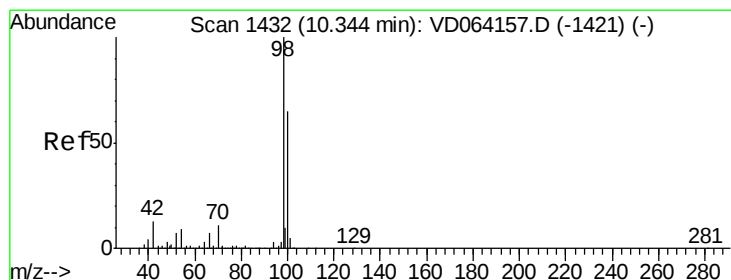
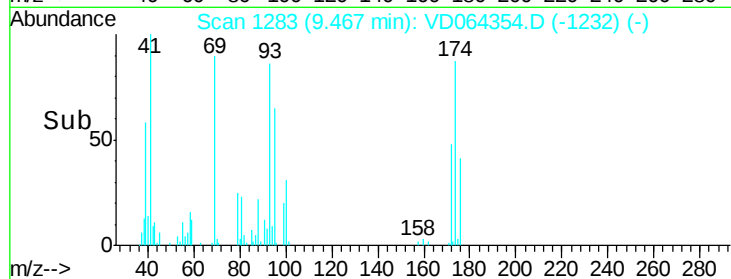
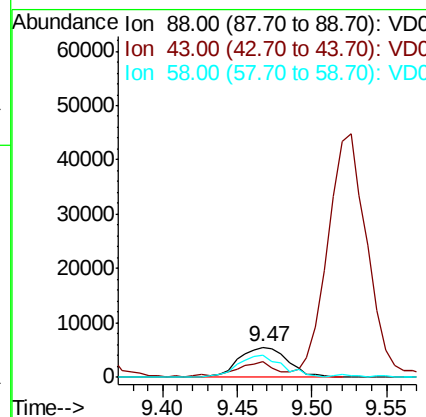
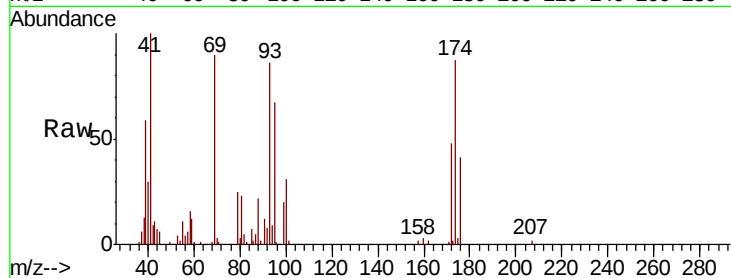
#49
1,4-Dioxane
Concen: 414.960 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.2	29.8	44.8
58	69.2	58.1	87.1

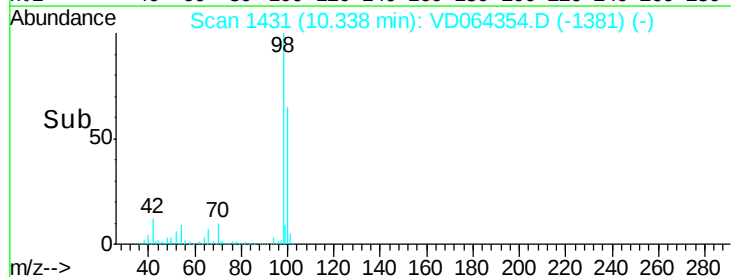
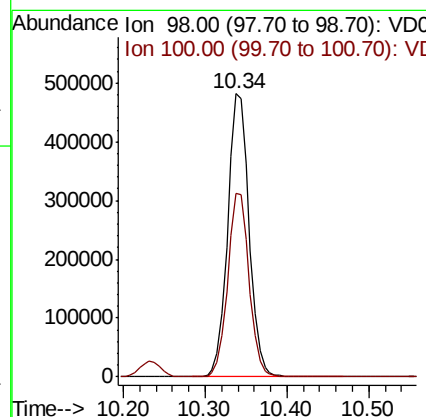
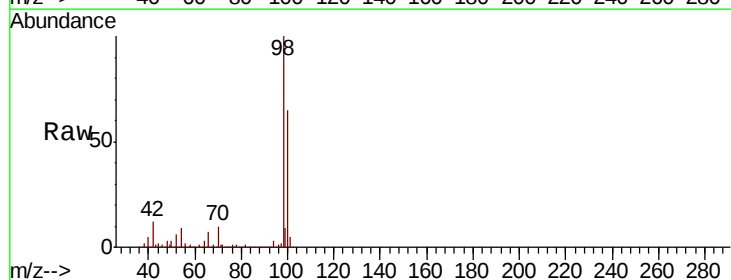
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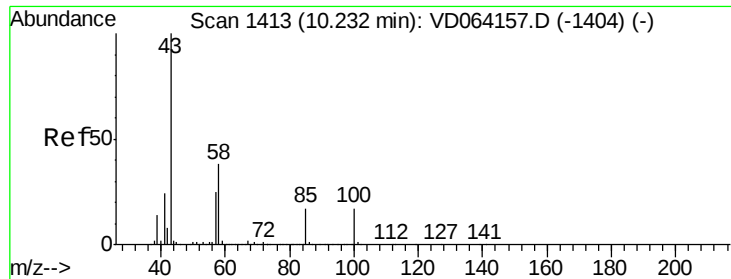
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#50
Toluene-d8
Concen: 53.151 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 99.995 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1125SBS01

Tot Ion: 43 Resp: 293169

Ion Ratio Lower Upper

43 100

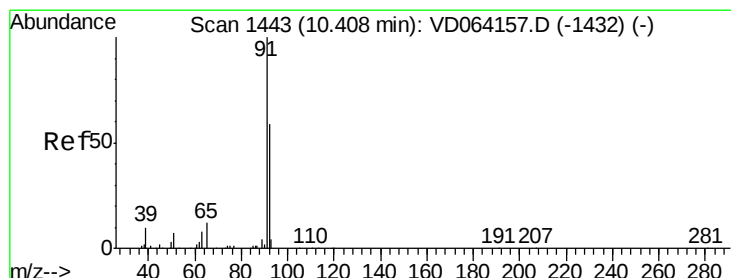
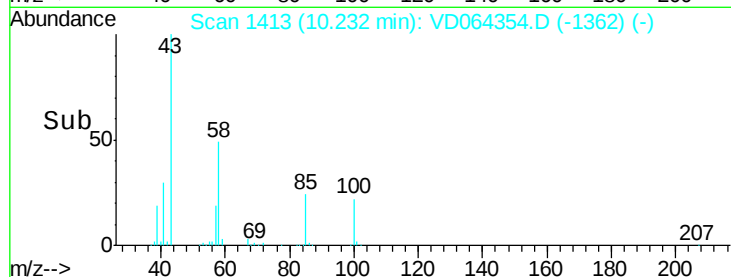
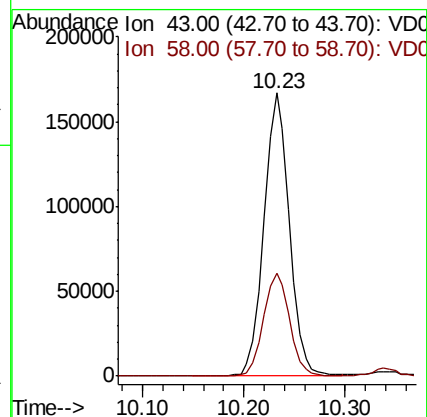
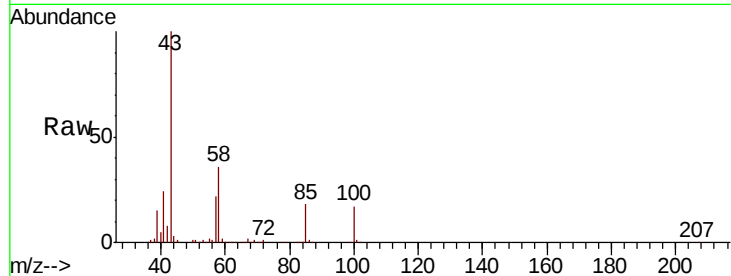
58 37.4 30.2 45.4

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#52

Toluene

Concen: 20.824 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064354.D

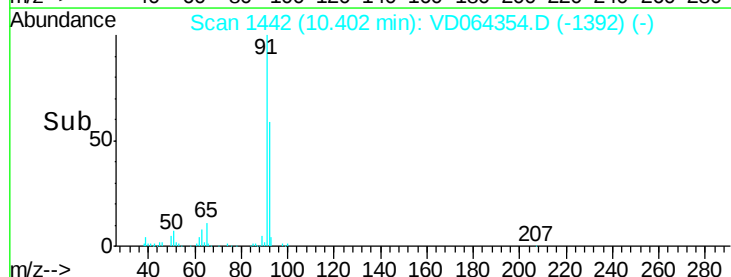
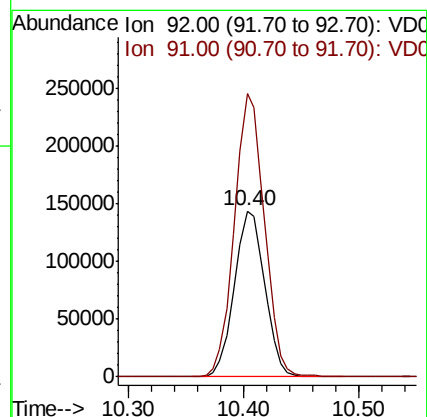
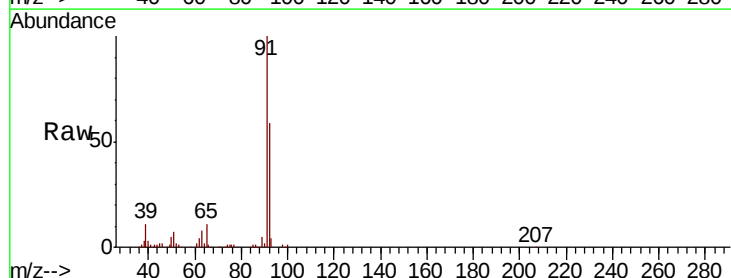
Acq: 25 Nov 2019 12:11

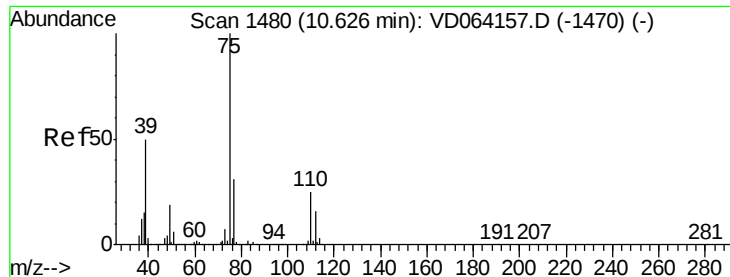
Tgt Ion: 92 Resp: 263412

Ion Ratio Lower Upper

92 100

91 168.5 136.4 204.6





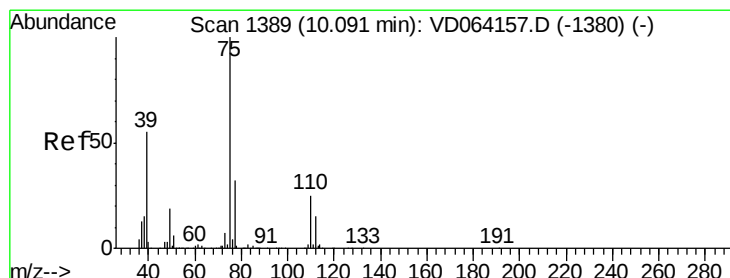
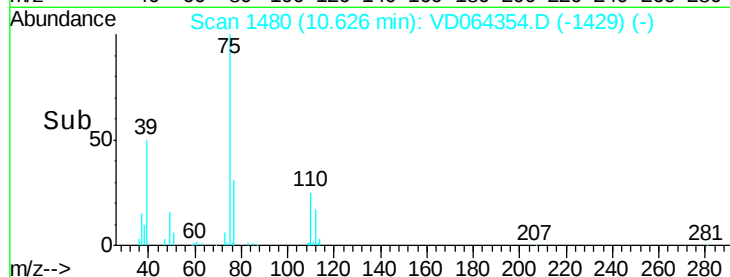
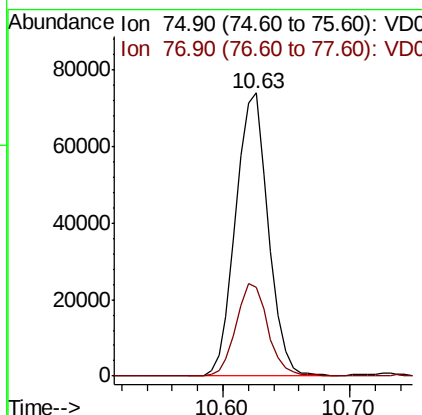
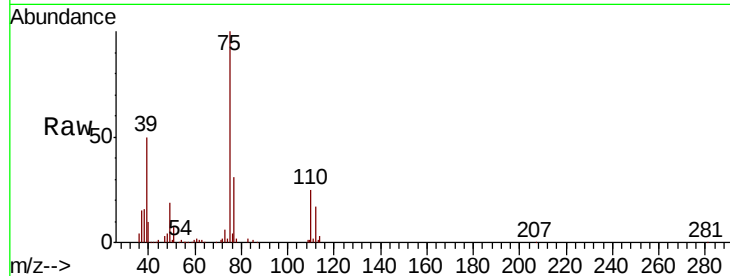
#53
t-1,3-Dichloropropene
Concen: 19.526 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.7	37.1

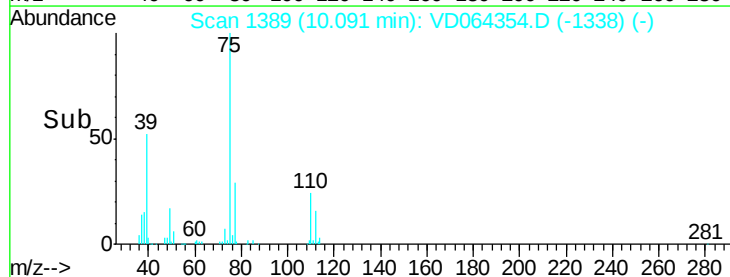
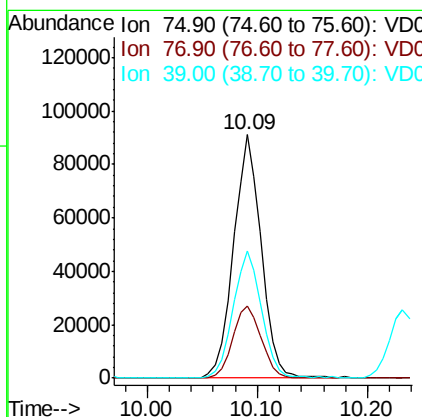
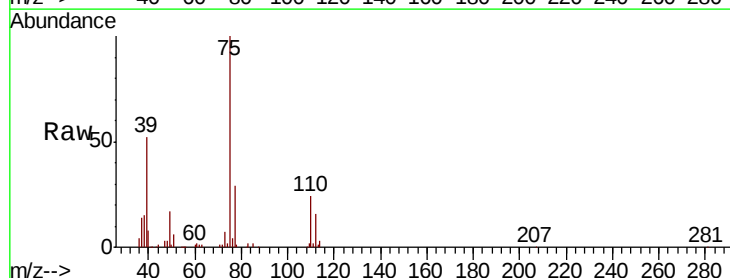
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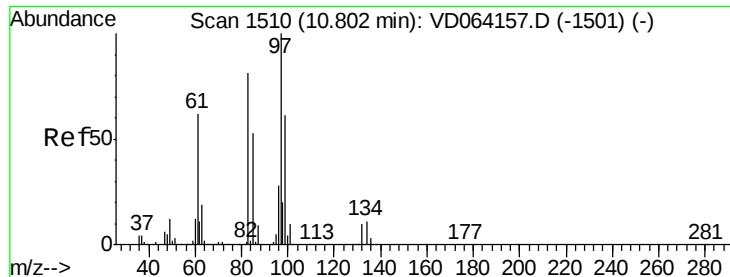
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#54
cis-1,3-Dichloropropene
Concen: 20.281 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.2	37.8
39	52.4	44.2	66.2





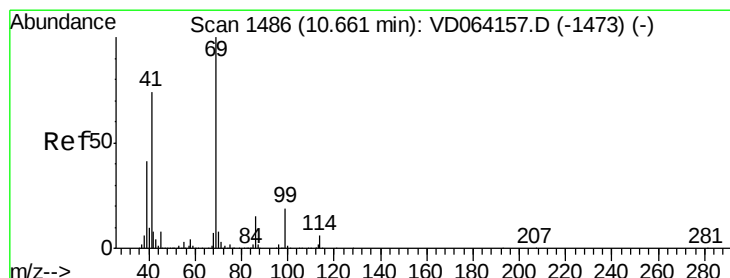
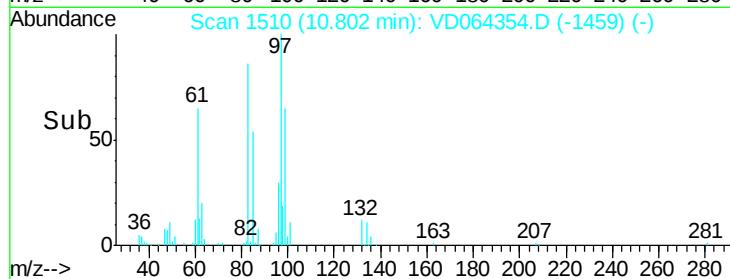
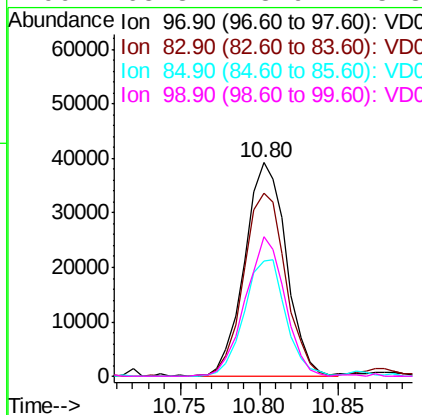
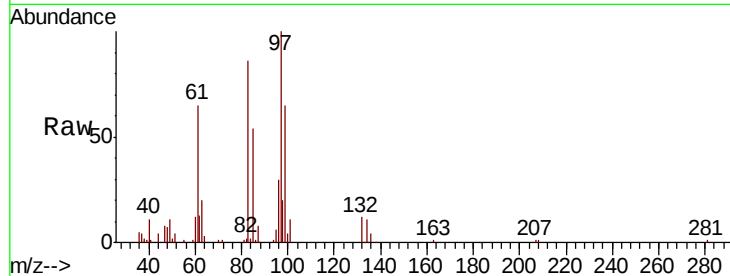
#55
 1,1,2-Trichloroethane
 Concen: 21.156 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1125SBS01

Tot Ion:	97	Resp:	71937
Ion	Ratio	Lower	Upper
97	100		
83	85.9	65.1	97.7
85	54.0	42.0	63.0
99	65.3	48.9	73.3

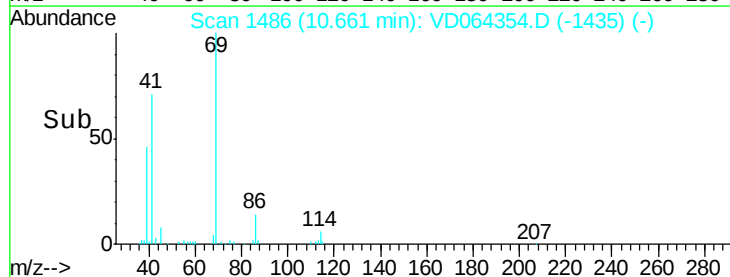
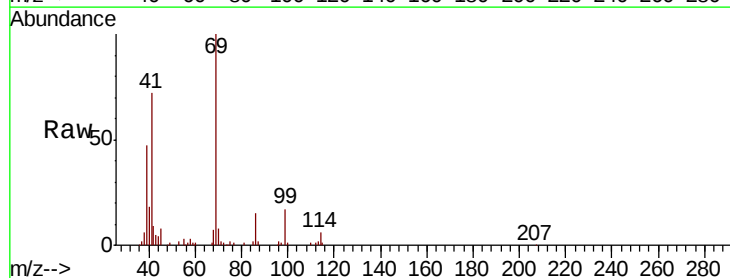
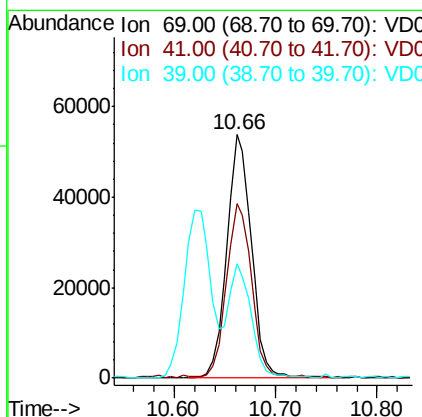
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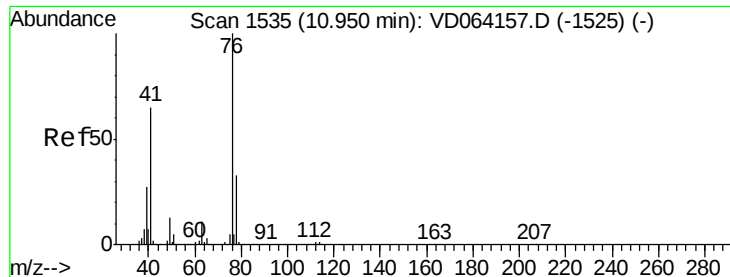
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#56
 Ethyl methacrylate
 Concen: 19.136 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion:	69	Resp:	91024
Ion	Ratio	Lower	Upper
69	100		
41	70.8	57.9	86.9
39	43.8	29.0	43.4#





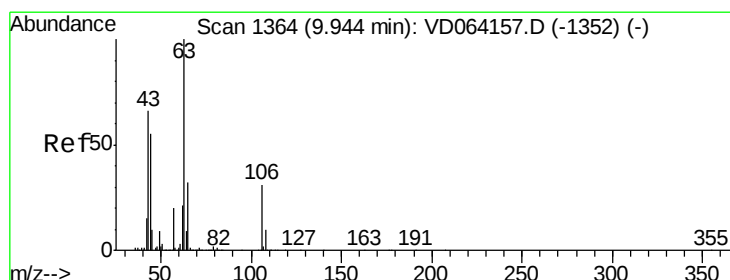
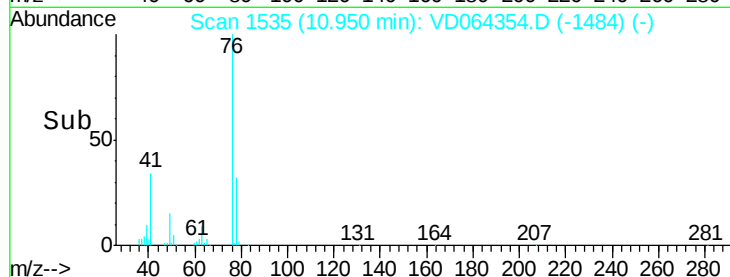
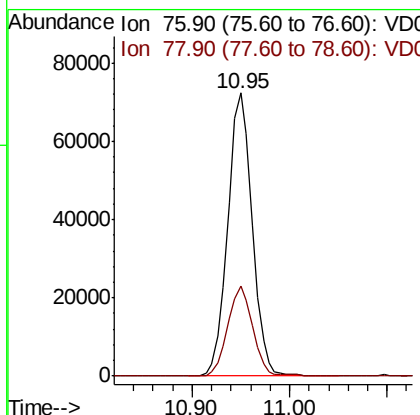
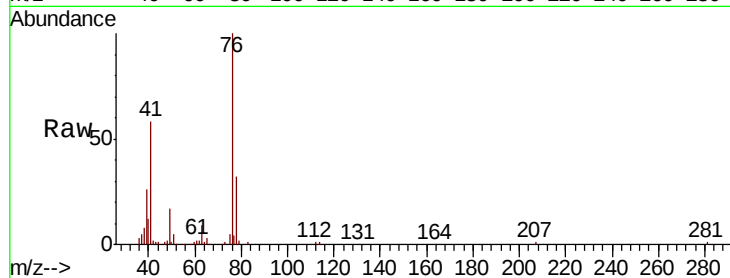
#57
 1,3-Dichloropropane
 Concen: 21.219 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1125SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

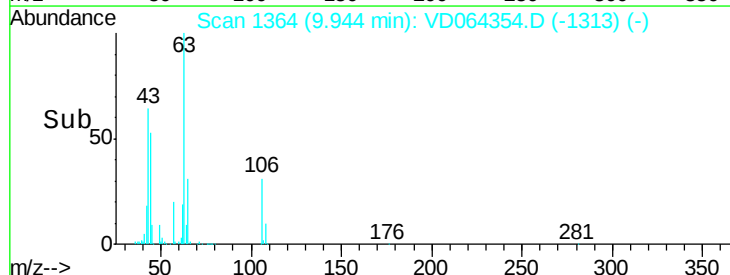
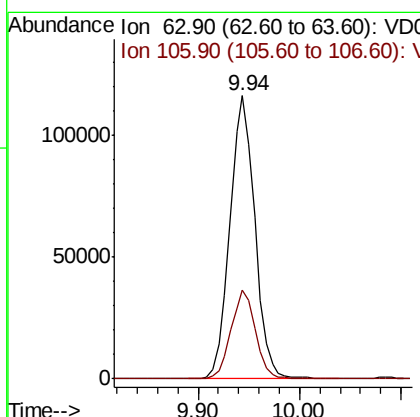
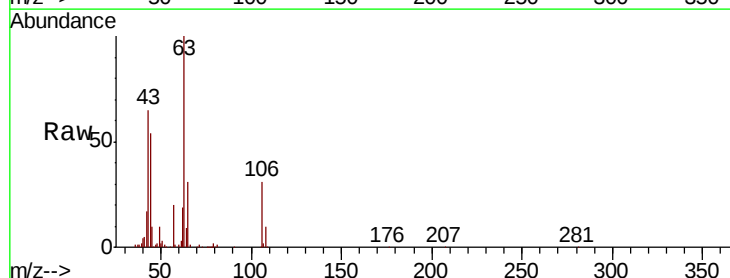
Manual Integrations
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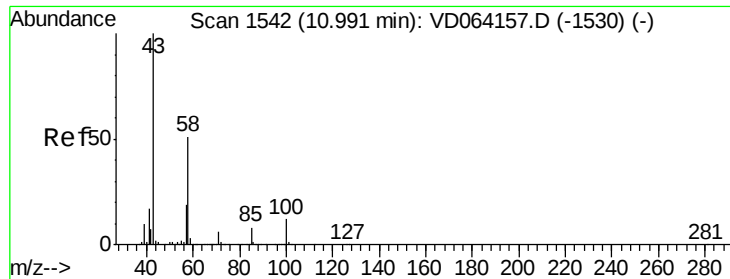
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 11/26/2019 9:56:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.134 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.1	36.1





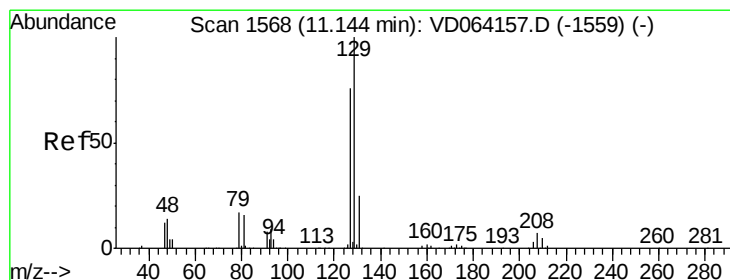
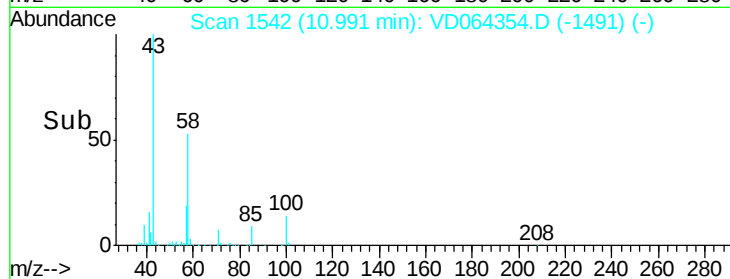
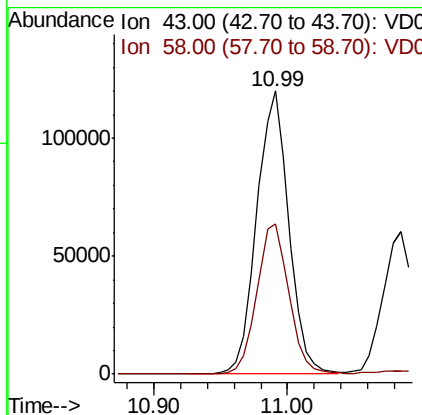
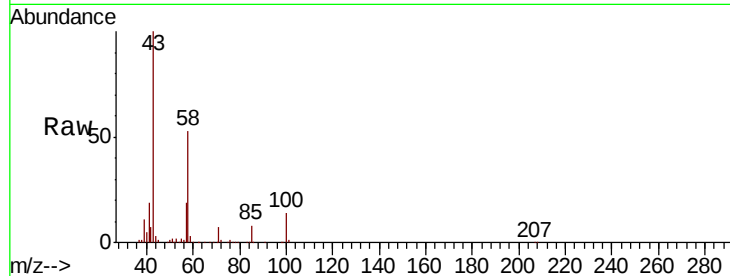
#59
2-Hexanone
Concen: 95.359 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion: 43 Resp: 198903
Ion Ratio Lower Upper
43 100
58 53.2 25.9 77.7

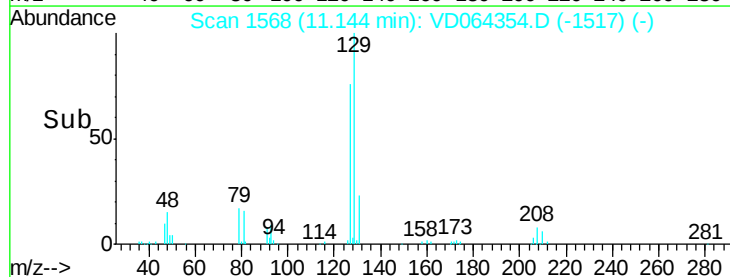
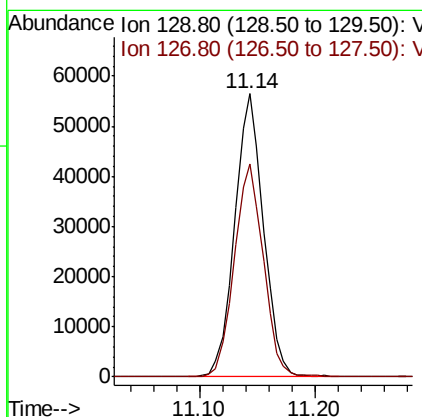
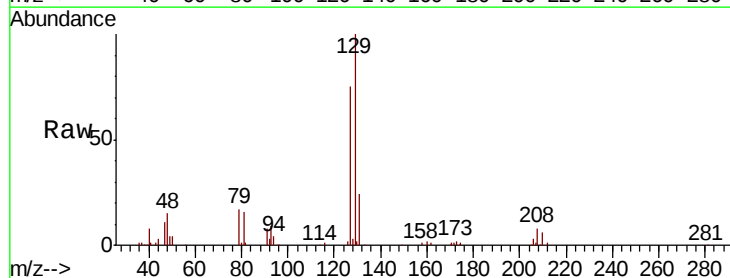
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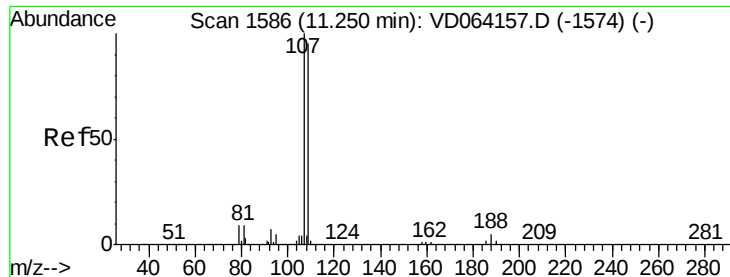
MMDadoda
11/26/2019 9:56:04 AM



#60
Dibromochloromethane
Concen: 20.498 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion:129 Resp: 97259
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.8





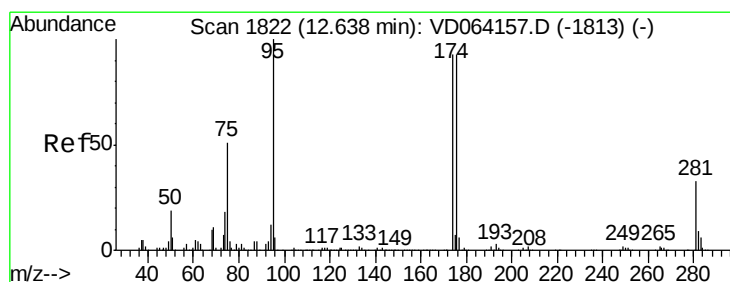
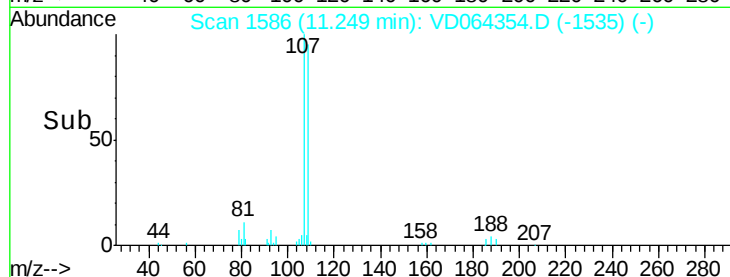
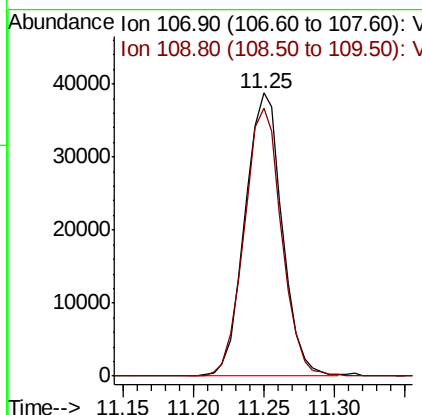
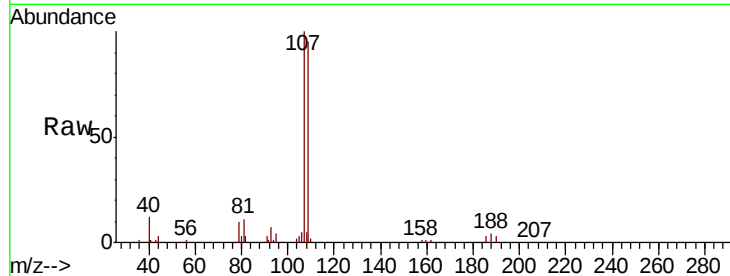
#61
 1,2-Dibromoethane
 Concen: 20.986 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1125SBS01

Tot Ion: 107 Resp: 71473
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.1 112.7

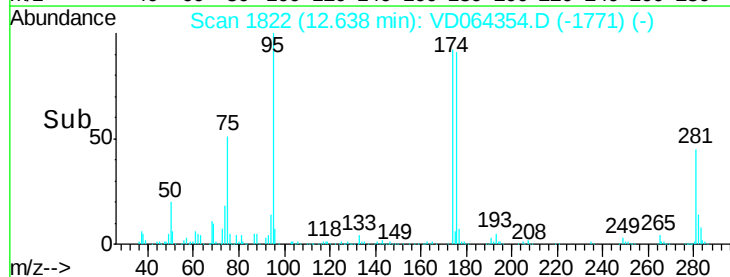
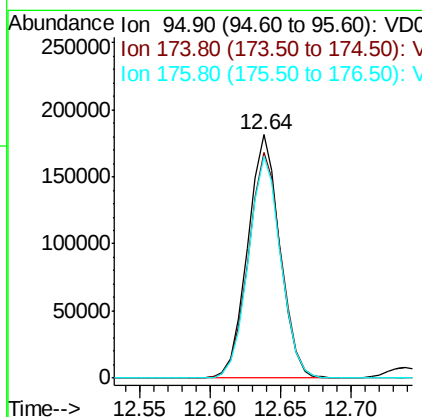
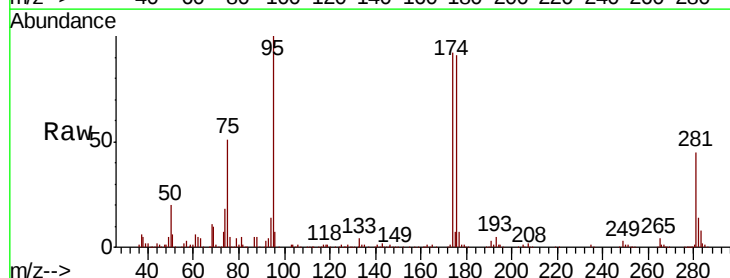
Manual Integrations
 APPROVED

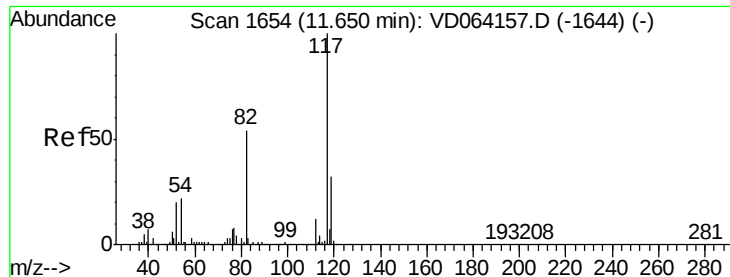
MMDadoda
 11/26/2019 9:56:04 AM



#62
 4-Bromofluorobenzene
 Concen: 50.431 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion: 95 Resp: 288421
 Ion Ratio Lower Upper
 95 100
 174 94.7 0.0 183.6
 176 91.9 0.0 180.2





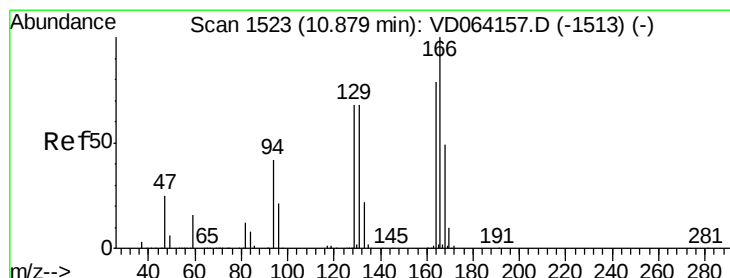
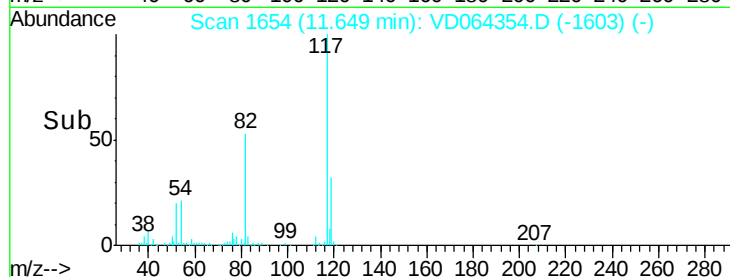
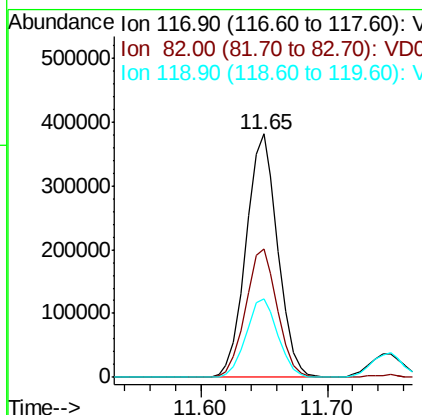
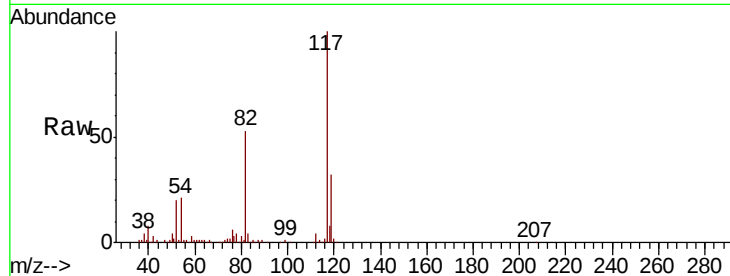
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.8	64.2
119	32.4	25.6	38.4

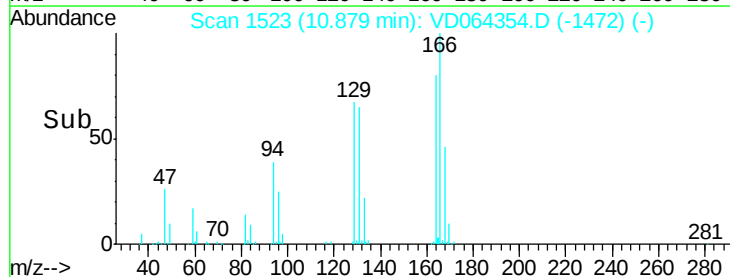
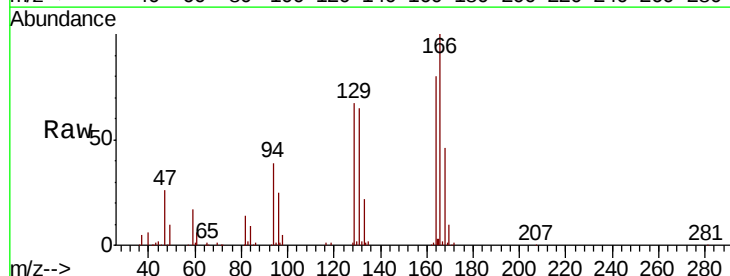
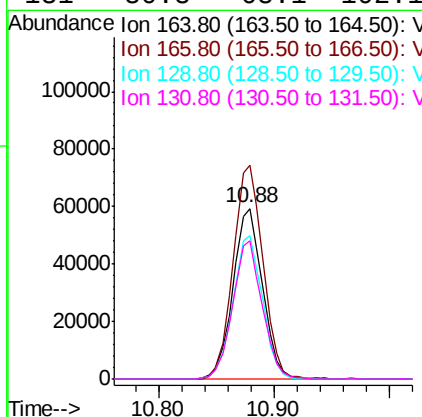
Manual Integrations
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11/26/2019 9:56:04 AM



#64
Tetrachloroethene
Concen: 20.644 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	100.8	151.2
129	84.4	68.7	103.1
131	80.8	68.1	102.1





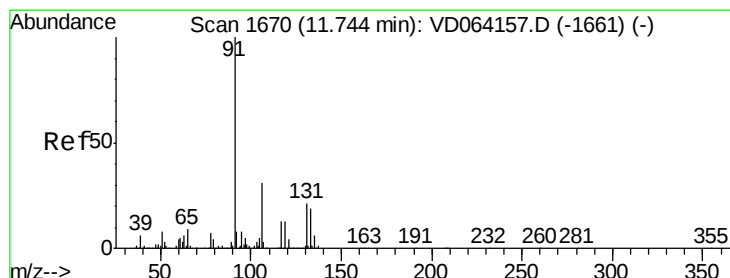
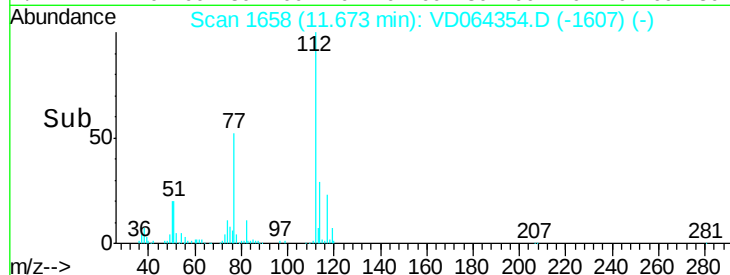
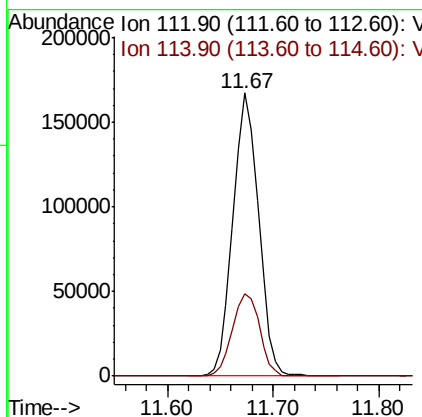
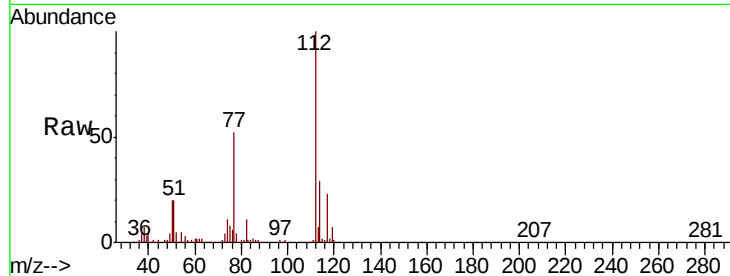
#65
Chlorobenzene
Concen: 20.917 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.1	25.2	37.8

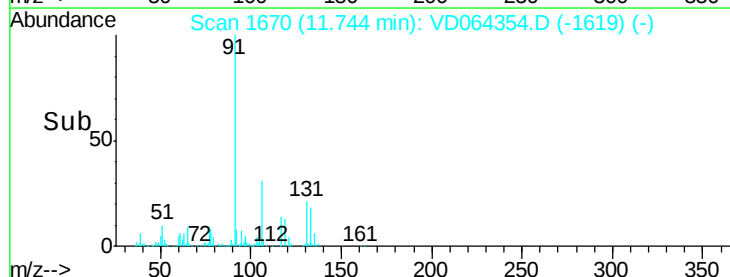
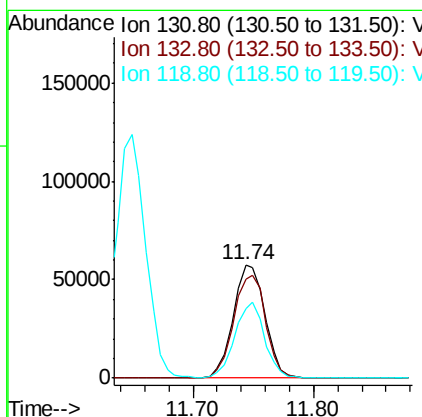
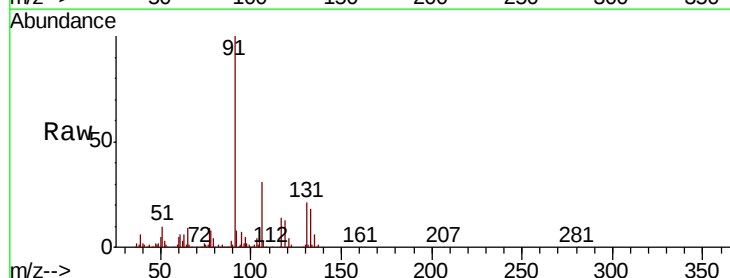
Manual Integrations
APPROVED

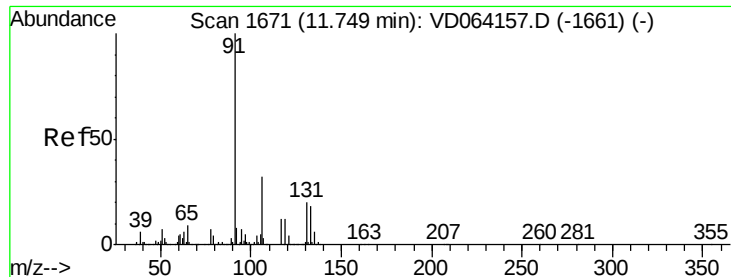
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.580 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.6	47.3	141.9
119	63.6	31.1	93.3





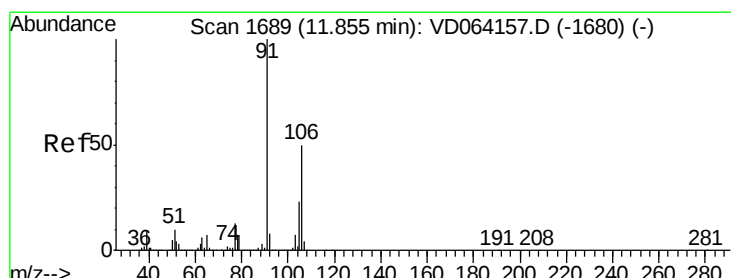
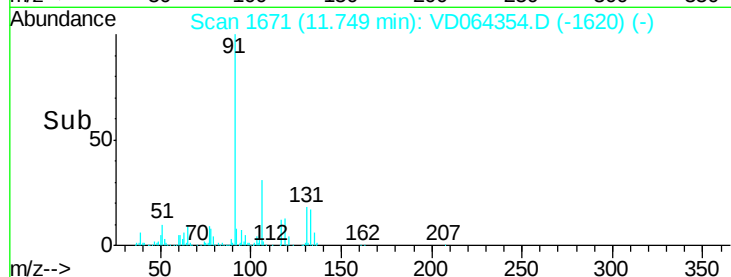
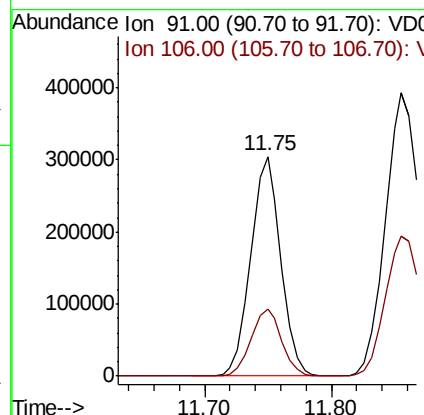
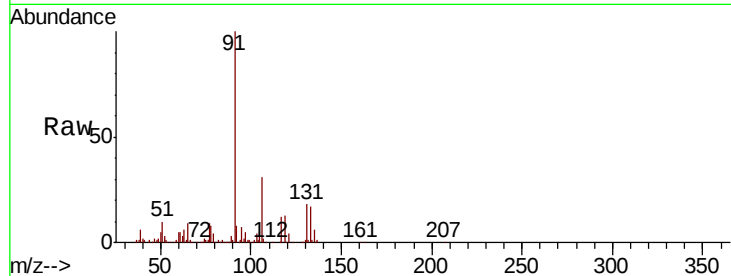
#67
Ethyl Benzene
Concen: 20.613 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.5	25.5	38.3	

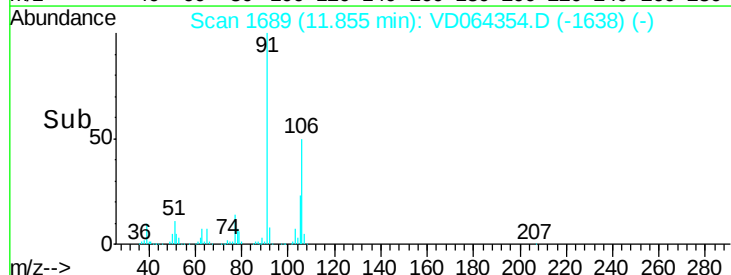
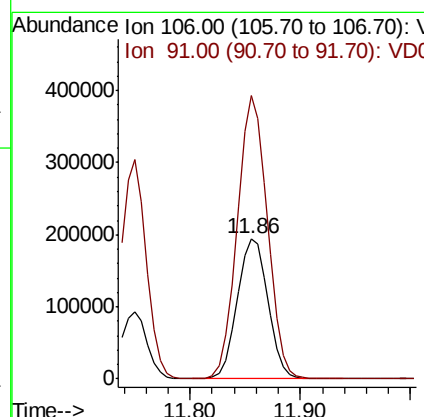
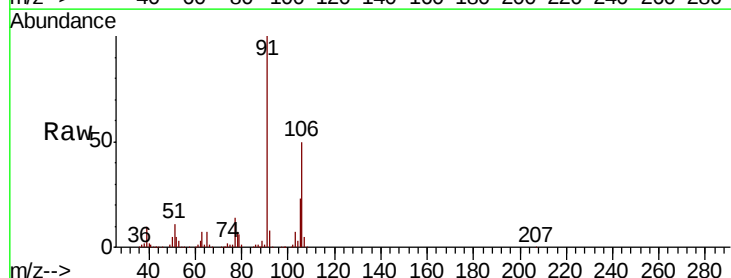
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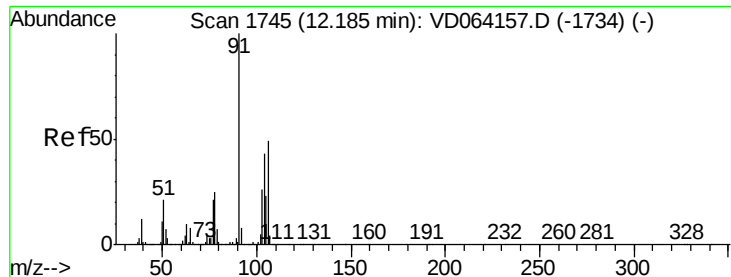
MMDadoda
11/26/2019 9:56:04 AM



#68
m/p-Xylenes
Concen: 40.799 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	198.1	160.3	240.5	





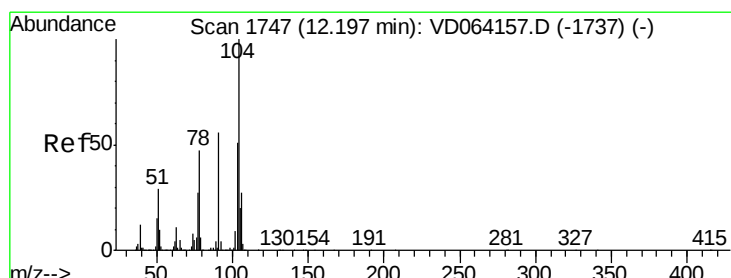
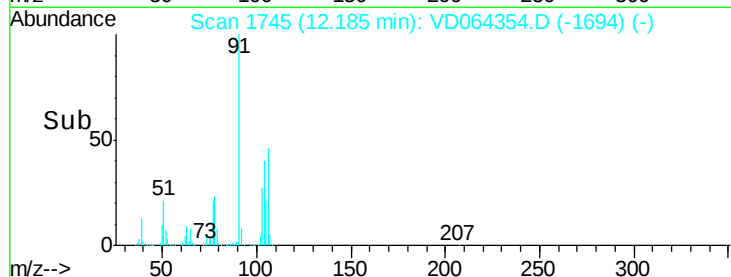
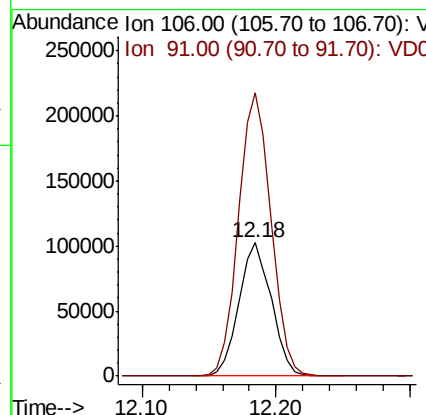
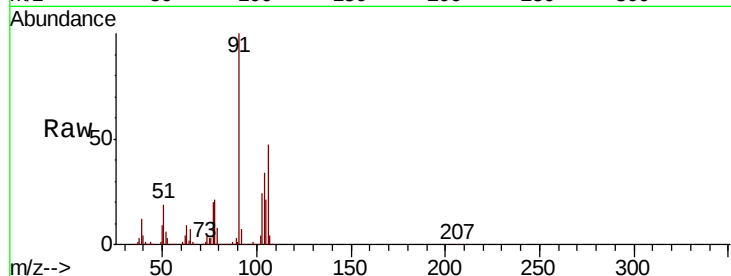
#69
o-Xylene
Concen: 19.891 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.0	105.1	315.3

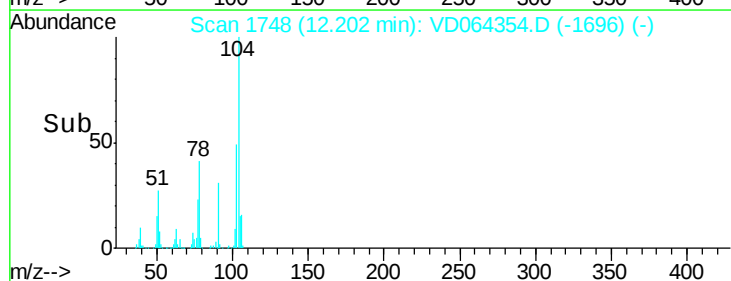
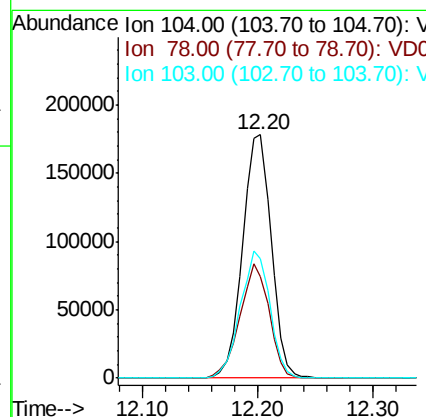
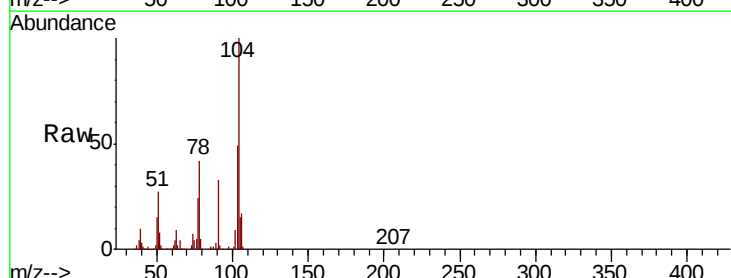
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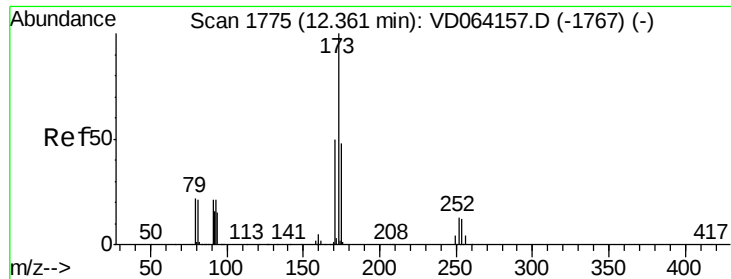
MMDadoda
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#70
Styrene
Concen: 20.372 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.9	59.9
103	54.2	43.4	65.0





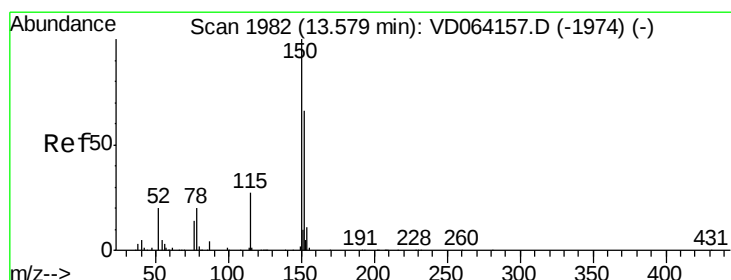
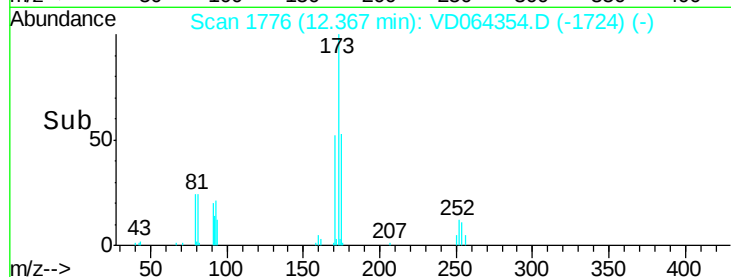
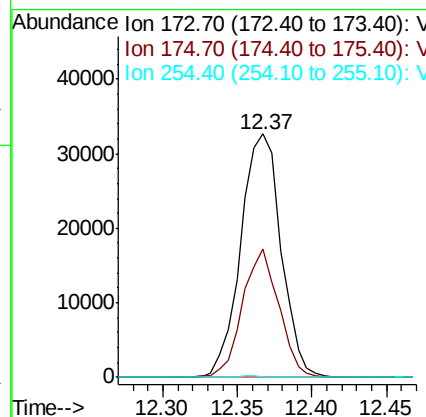
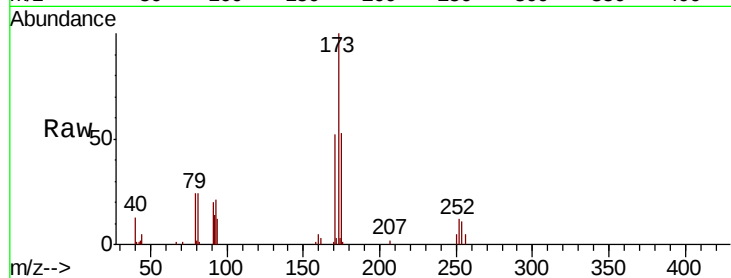
#71
Bromoform
Concen: 21.006 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.1	72.3
254	0.2	0.2	0.2

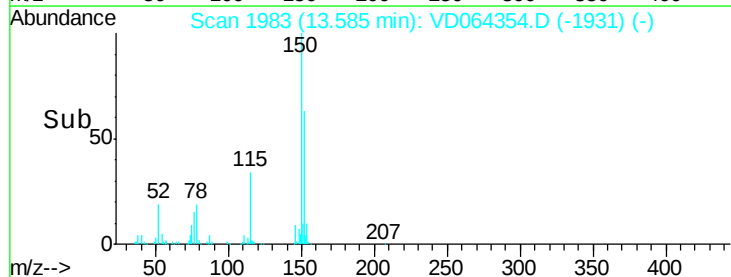
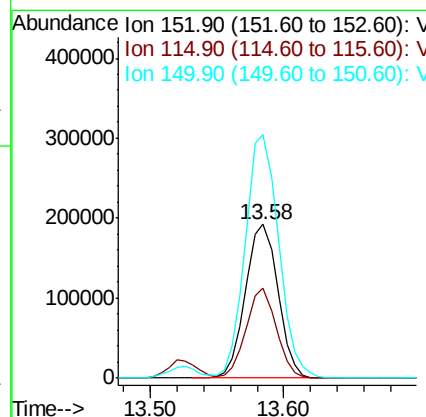
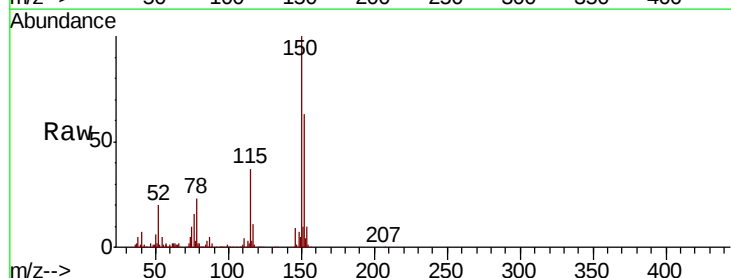
Manual Integrations
APPROVED

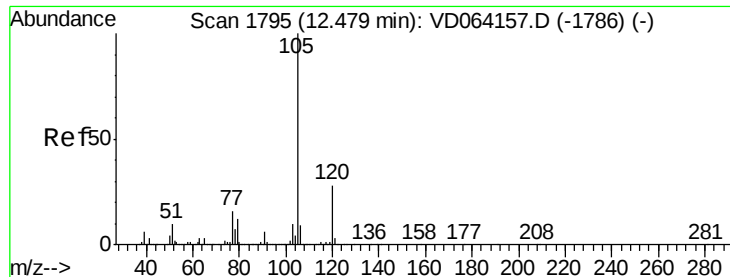
MMDadoda
11/26/2019 9:56:04 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.4	82.2
150	163.6	0.0	351.6





#73

Isopropylbenzene

Concen: 20.484 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1125SBS01

Tot Ion: 105 Resp: 485701

Ion Ratio Lower Upper

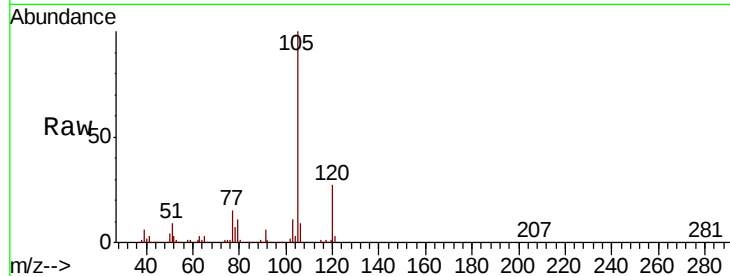
105 100

120 27.0 13.6 40.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

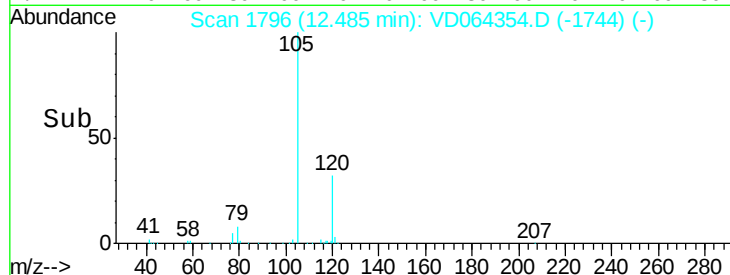
300000

200000

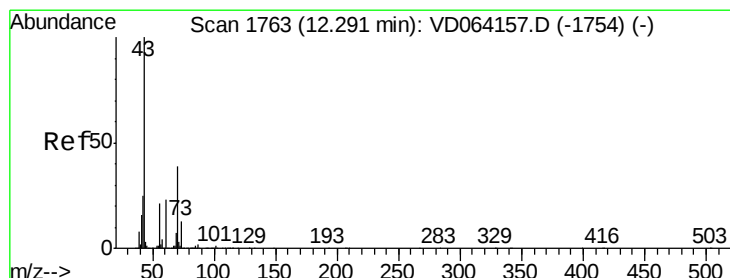
100000

0

12.40 12.50 12.60



Time-->



#74

N-ethyl acetate

Concen: 19.159 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Tgt Ion: 43 Resp: 107278

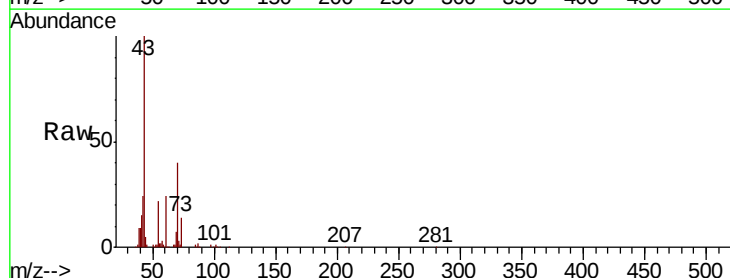
Ion Ratio Lower Upper

43 100

70 40.6 32.4 48.6

55 22.7 17.9 26.9

61 23.7 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

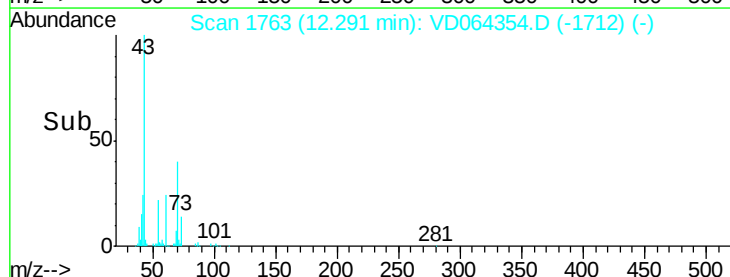
60000

40000

20000

0

12.20 12.30



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 21.263 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

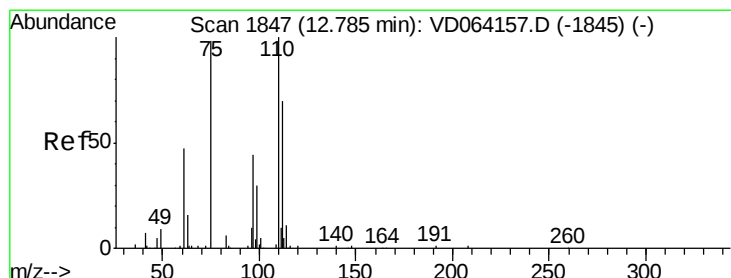
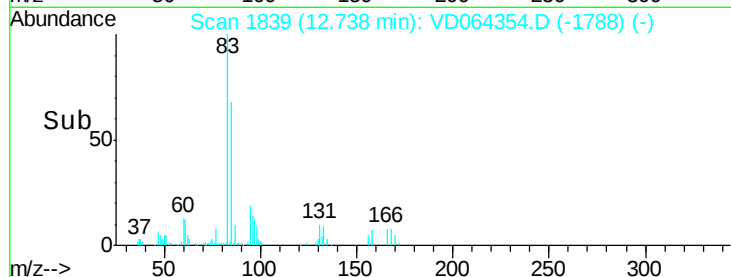
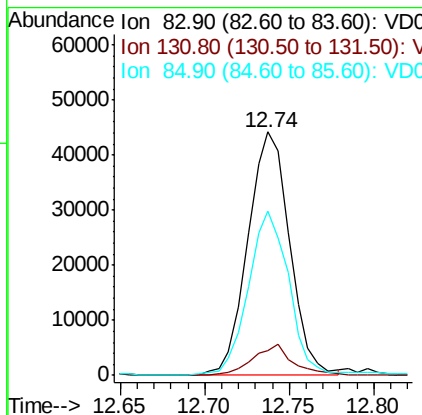
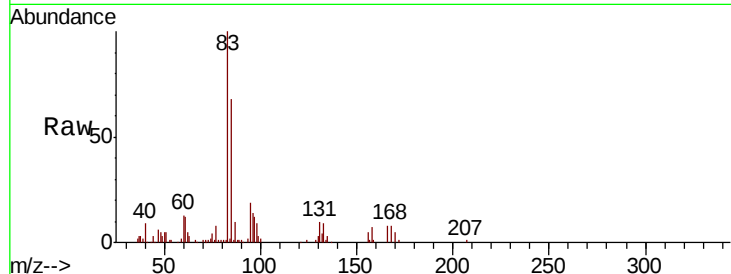
ClientSampleId :

VD1125SBS01

Tot Ion:	83	Resp:	75972
Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.9	17.7
85	65.3	32.5	97.5

Manual Integrations
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11/26/2019 9:56:04 AM



#76

1,2,3-Trichloropropane

Concen: 18.357 ug/l m

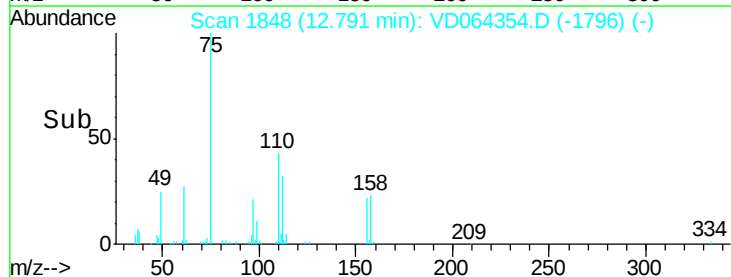
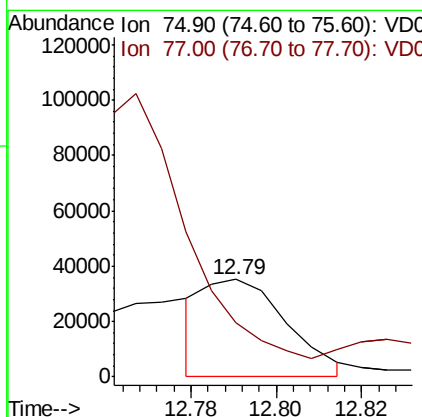
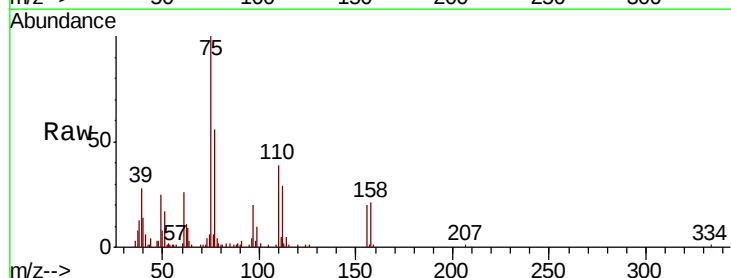
RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Tgt Ion:	75	Resp:	47766
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.370 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

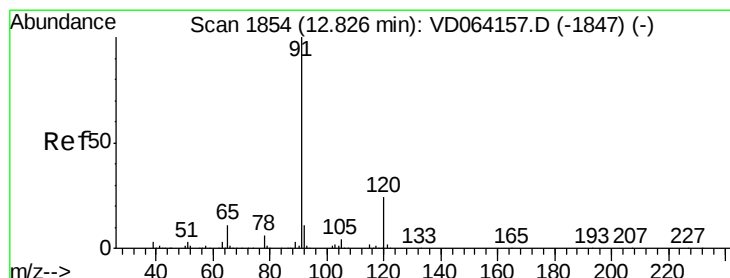
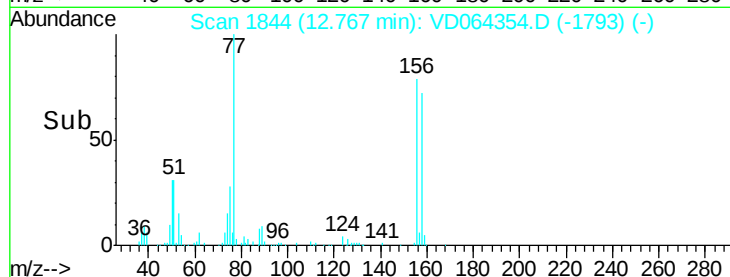
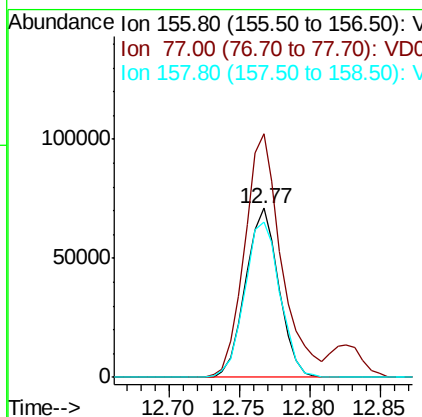
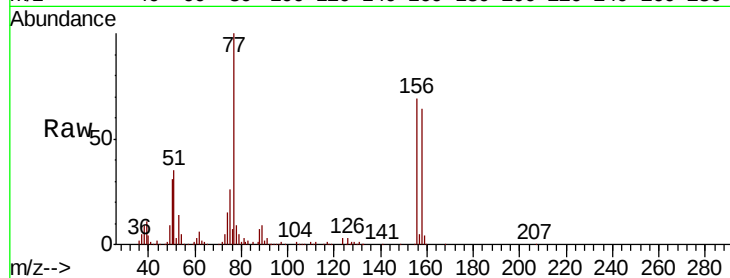
ClientSampleId :

VD1125SBS01

Tot Ion:	156	Resp:	117345
Ion Ratio	Lower	Upper	
156	100		
77	159.5	81.2	243.4
158	97.8	48.4	145.2

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#78

n-propylbenzene

Concen: 20.548 ug/l

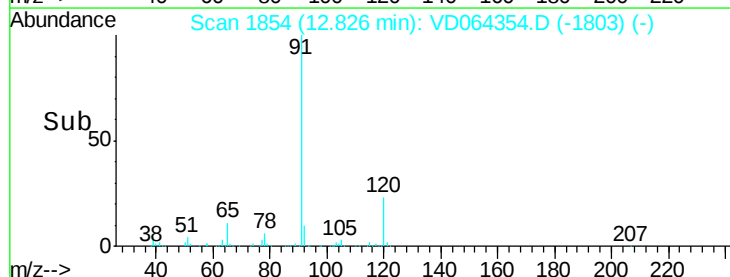
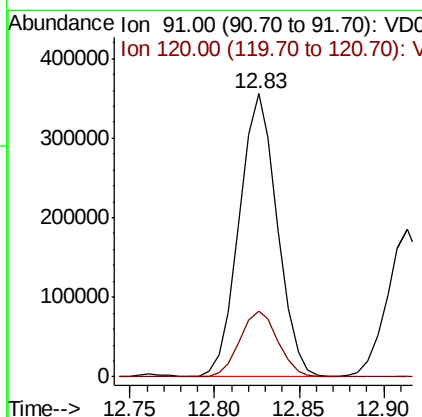
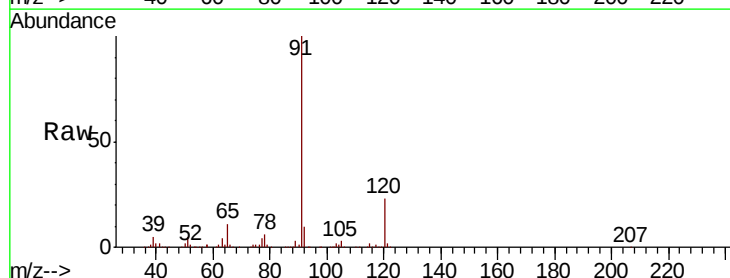
RT: 12.83 min Scan# 1854

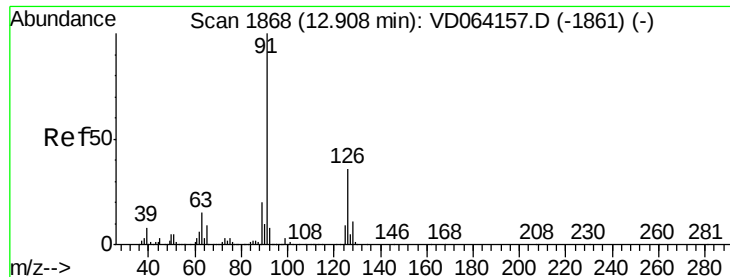
Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Tgt Ion:	91	Resp:	556662
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.4





#79

2-Chlorotoluene

Concen: 19.654 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1125SBS01

Tot Ion: 91 Resp: 300603

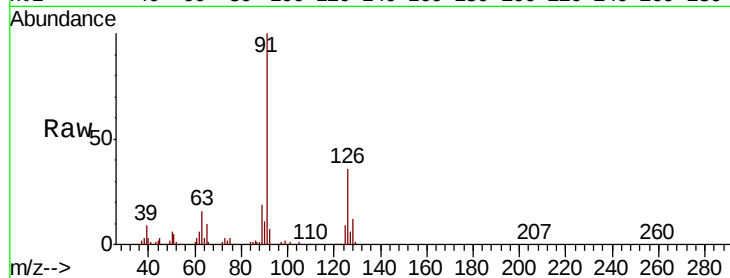
Ion Ratio Lower Upper

91 100

126 37.3 17.7 53.1

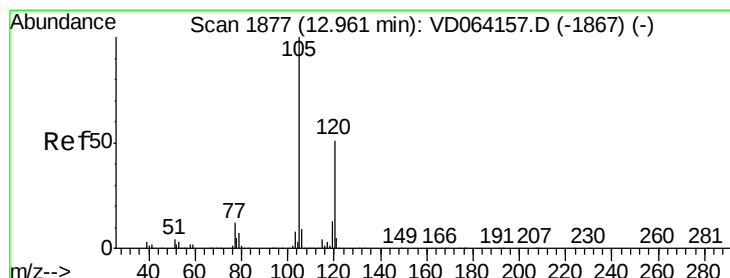
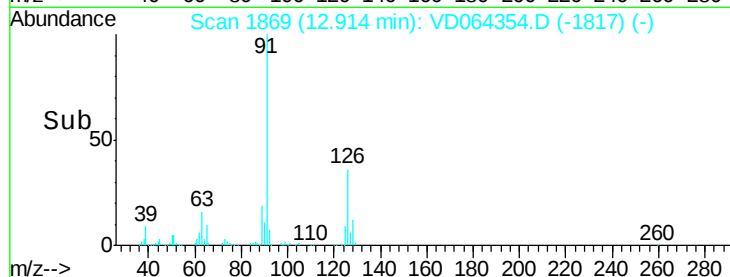
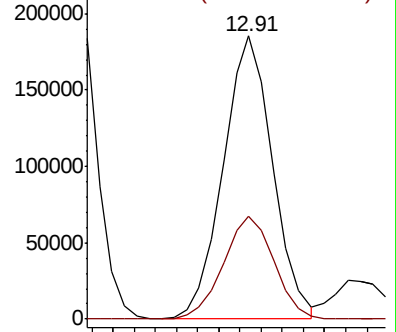
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.074 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064354.D

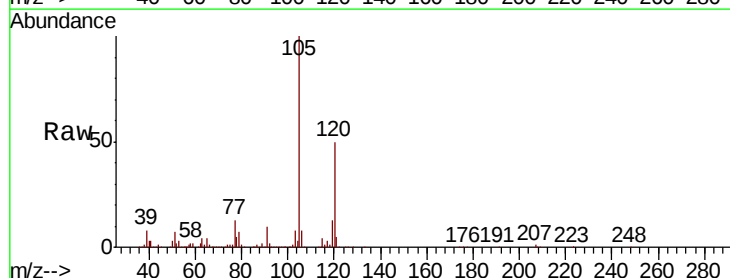
Acq: 25 Nov 2019 12:11

Tgt Ion: 105 Resp: 391113

Ion Ratio Lower Upper

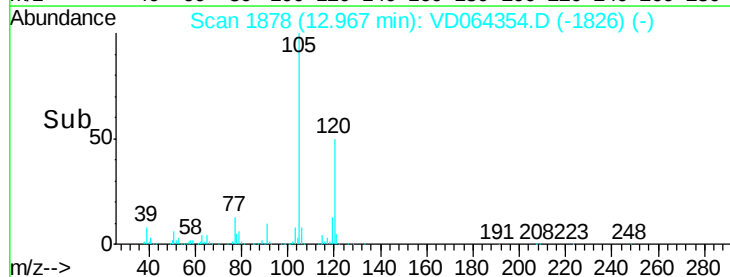
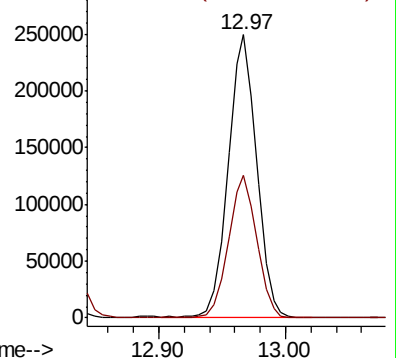
105 100

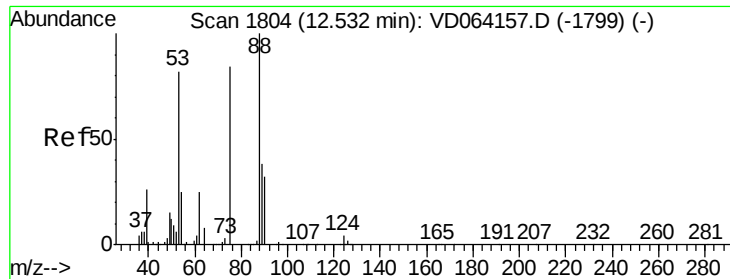
120 50.2 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





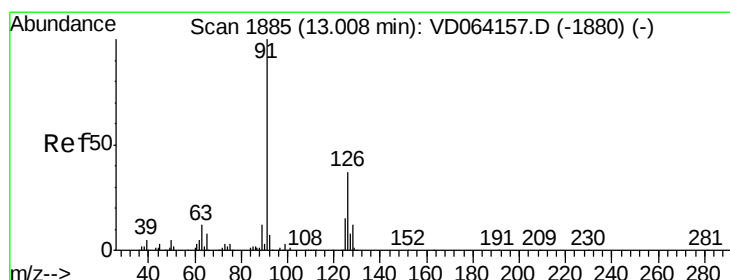
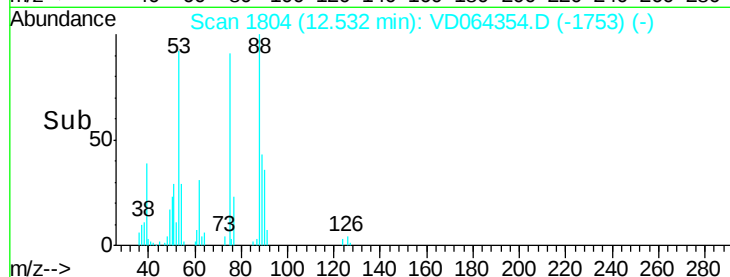
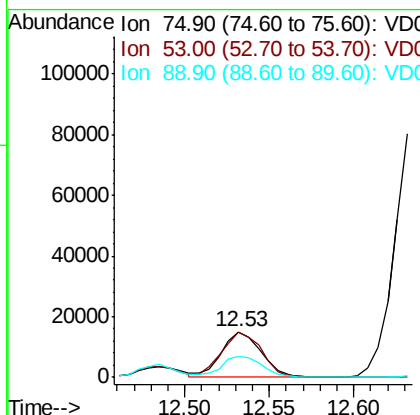
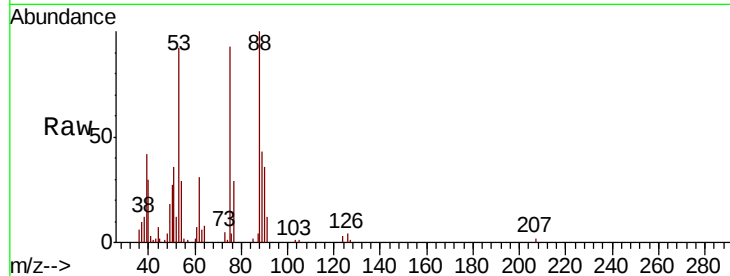
#81
trans-1,4-Dichloro-2-butene
Concen: 18.770 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.4	79.4	119.0
89	48.7	36.6	55.0

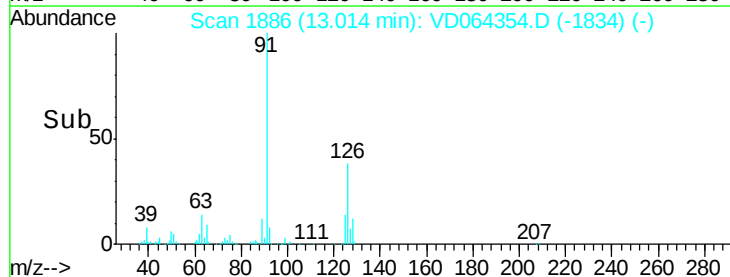
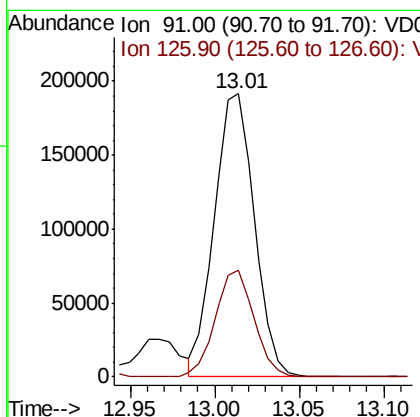
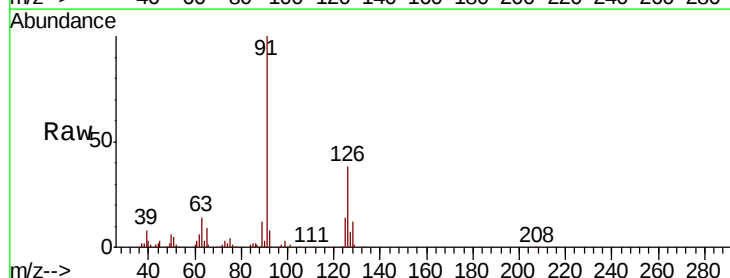
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#82
4-Chlorotoluene
Concen: 19.798 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.8	17.8	53.4





#83

tert-Butylbenzene

Concen: 20.022 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

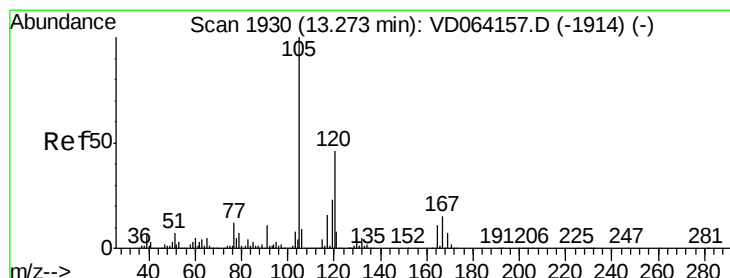
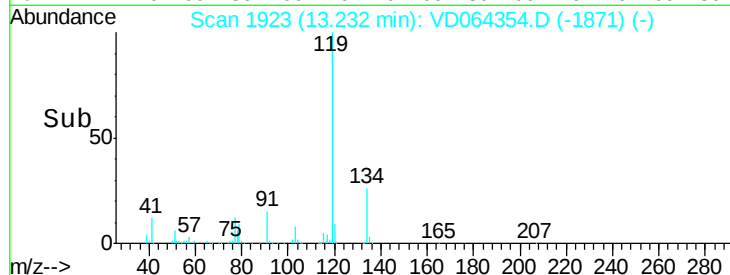
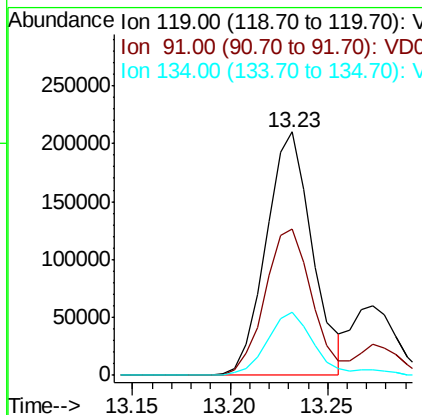
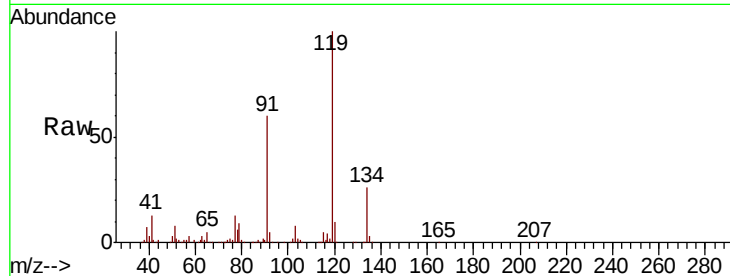
ClientSampleId :

VD1125SBS01

Tot Ion:	119	Resp:	343992
Ion Ratio	Lower	Upper	
119	100		
91	60.7	31.8	95.4
134	27.5	13.7	41.0

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#84

1,2,4-Trimethylbenzene

Concen: 20.191 ug/l

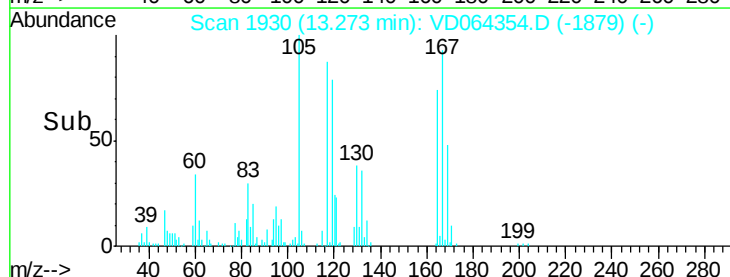
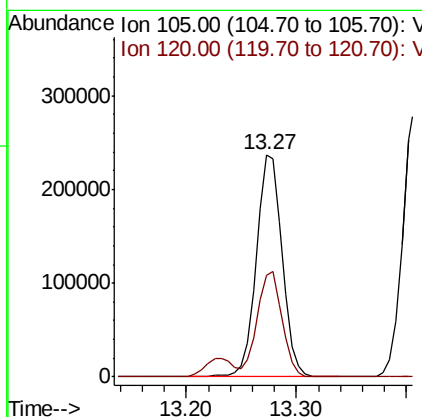
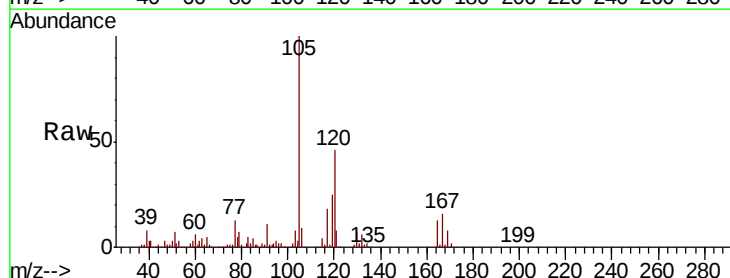
RT: 13.27 min Scan# 1930

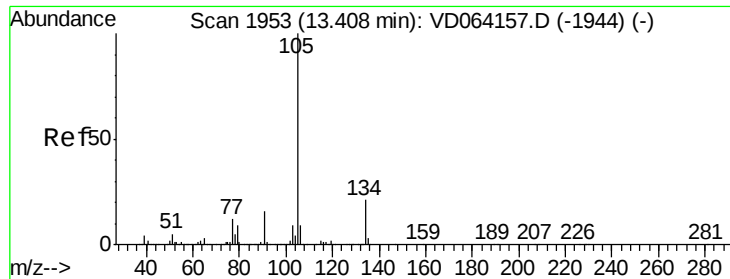
Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Tgt Ion:	105	Resp:	388389
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.3	69.8





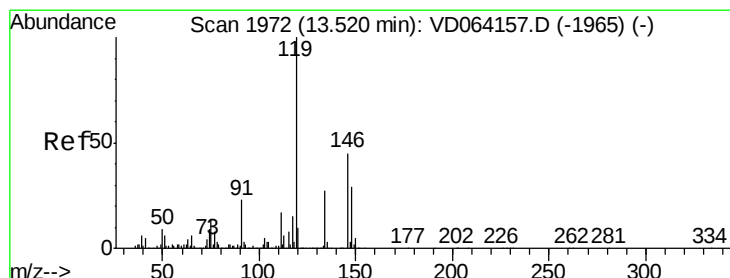
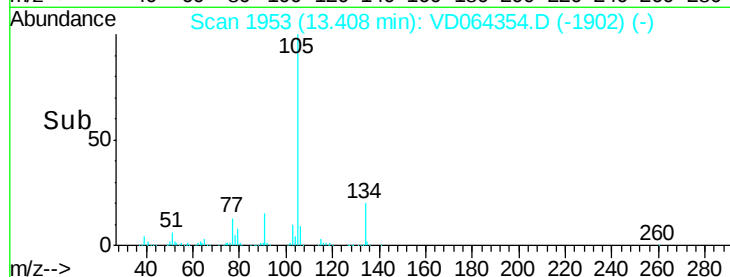
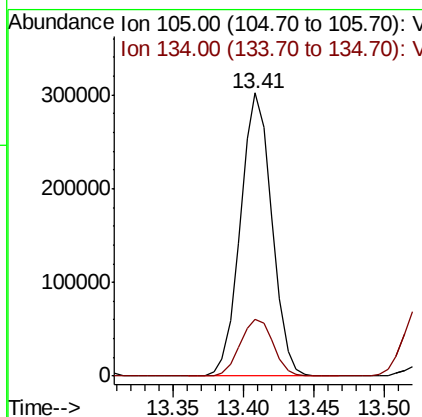
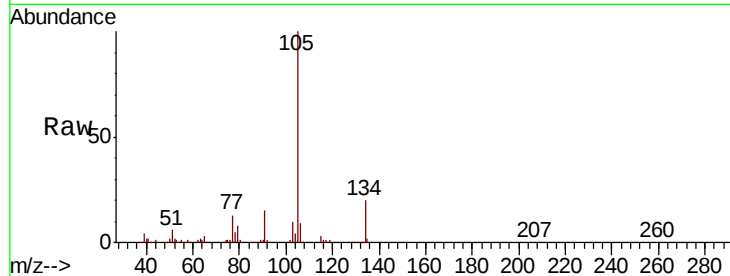
#85
 sec-Butylbenzene
 Concen: 20.425 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1125SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.7	31.9

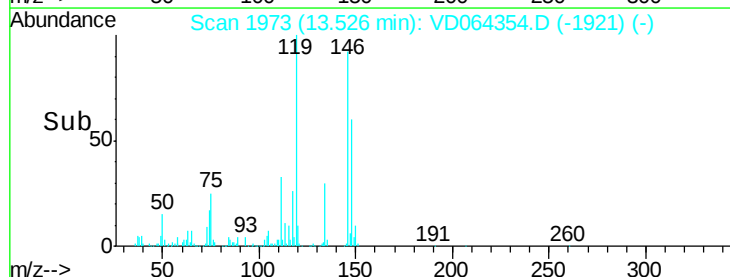
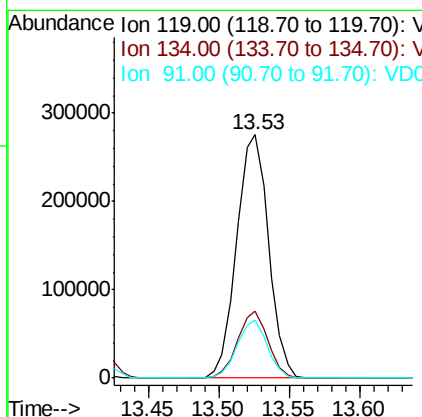
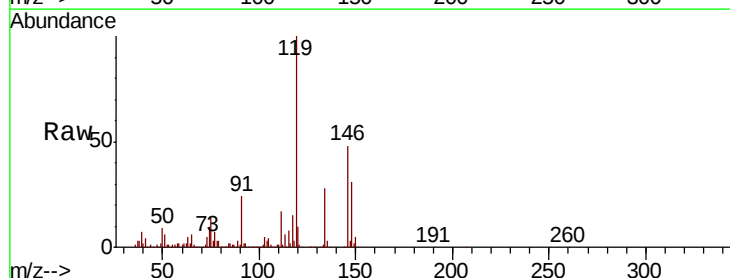
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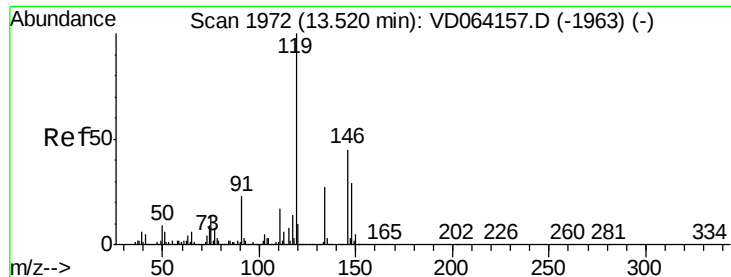
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#86
 p-Isopropyltoluene
 Concen: 19.880 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.5
91	22.7	11.5	34.4





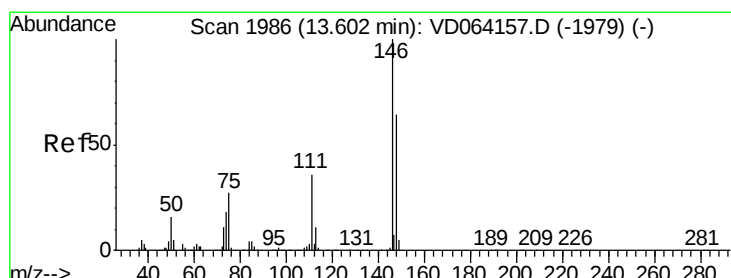
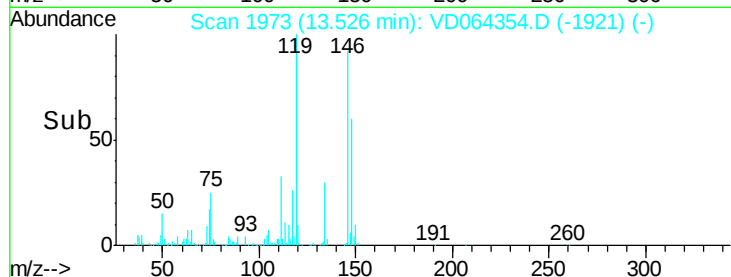
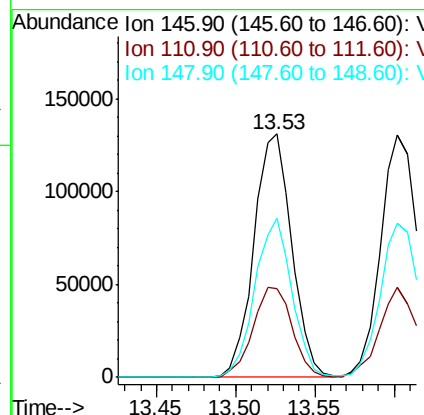
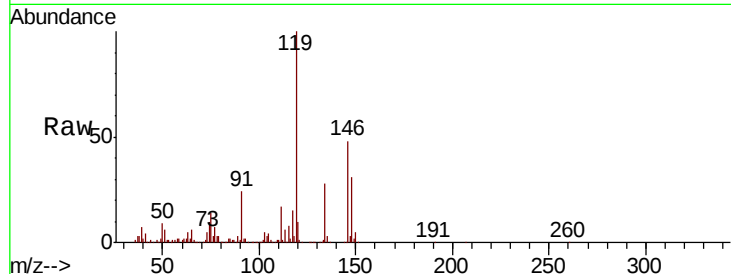
#87
 1,3-Dichlorobenzene
 Concen: 20.366 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1125SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.9
148	63.8	32.1	96.5

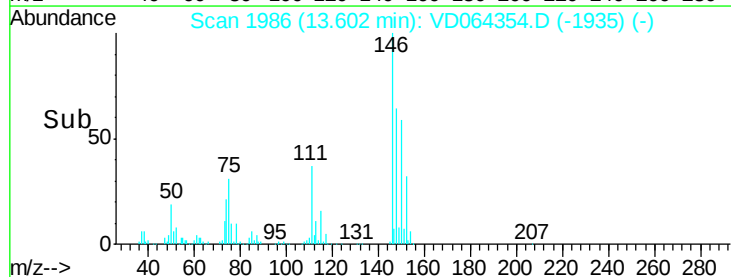
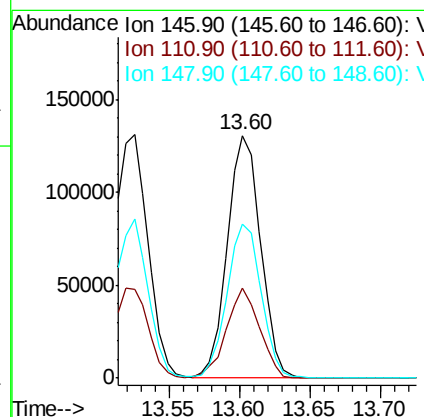
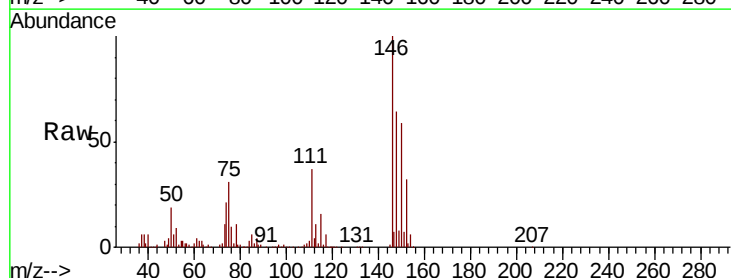
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#88
 1,4-Dichlorobenzene
 Concen: 20.565 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.4
148	65.3	31.9	95.7





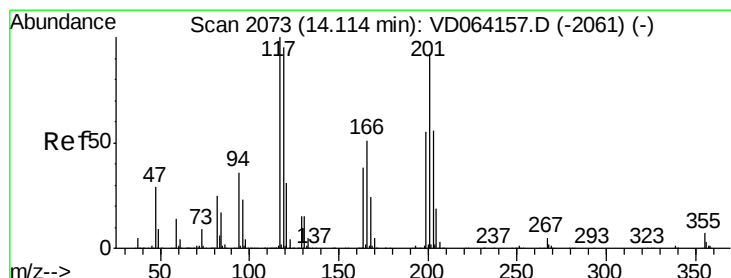
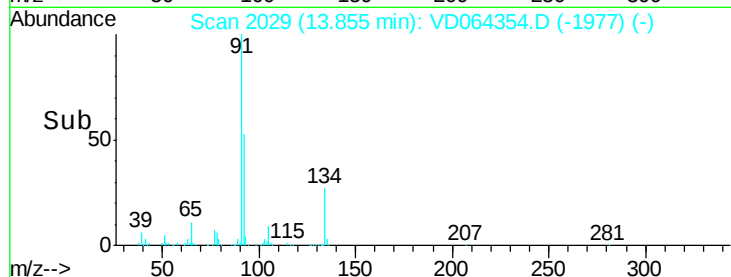
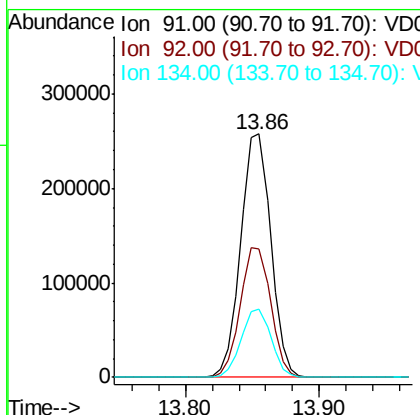
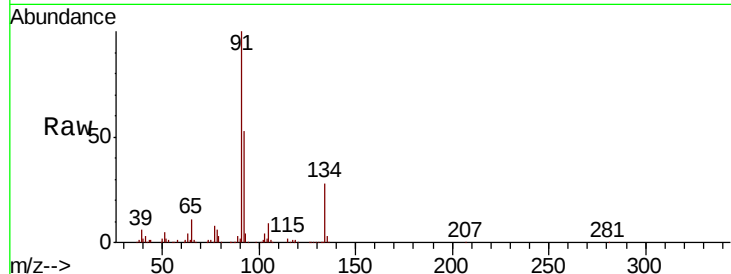
#89
n-Butylbenzene
Concen: 20.274 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.3	81.8
134	27.7	14.1	42.4

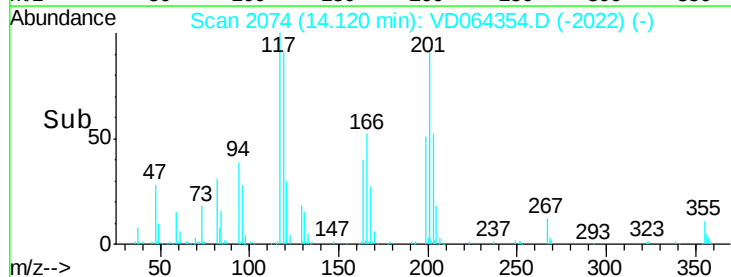
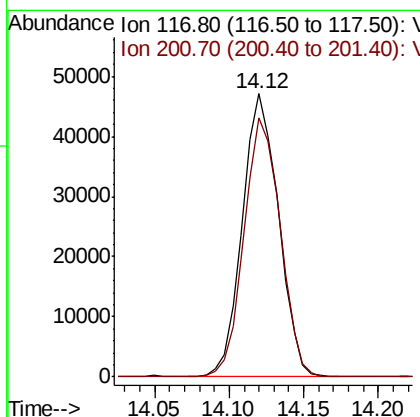
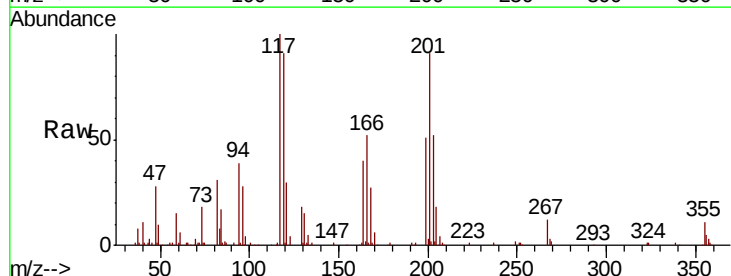
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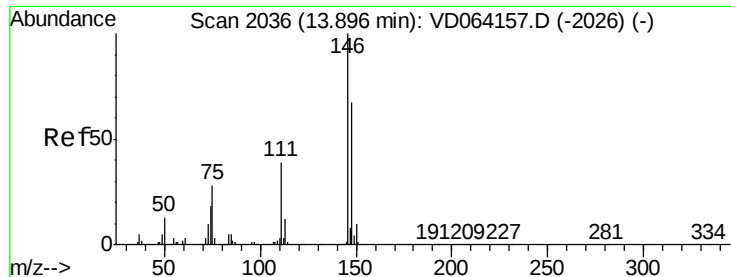
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#90
Hexachloroethane
Concen: 19.456 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	45.8	137.4





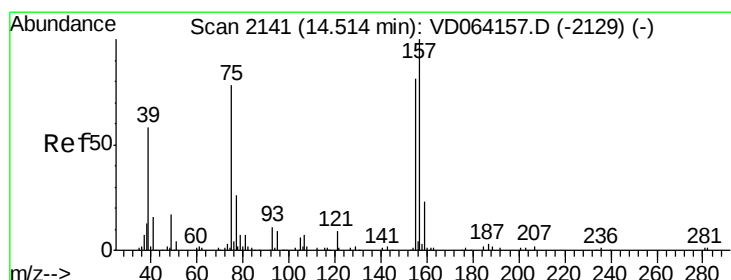
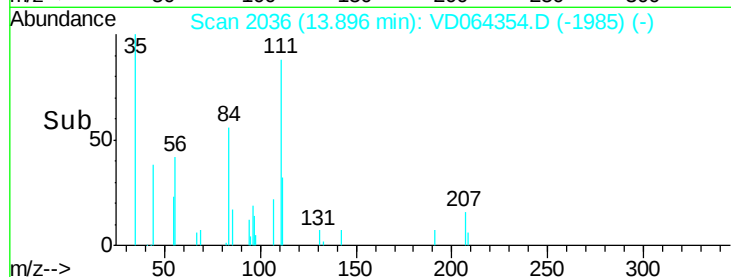
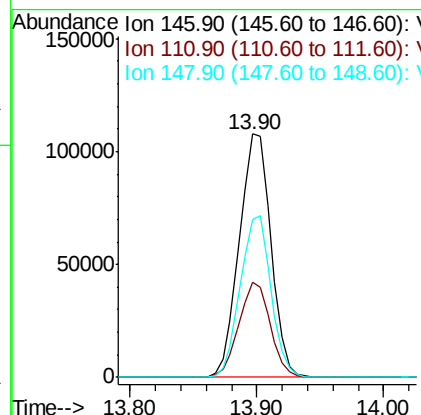
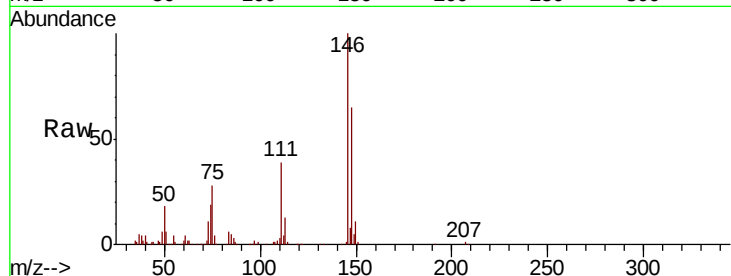
#91
 1,2-Dichlorobenzene
 Concen: 20.597 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1125SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	186415		
111	38.8	19.7	59.0	
148	64.5	32.3	96.8	

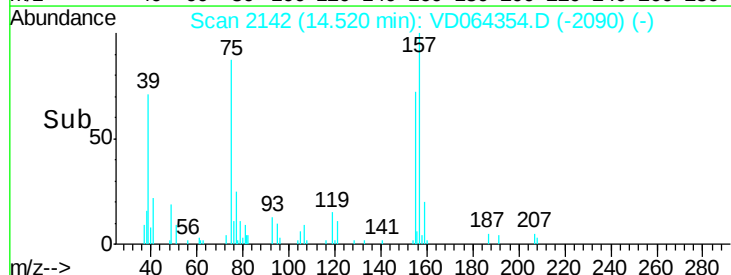
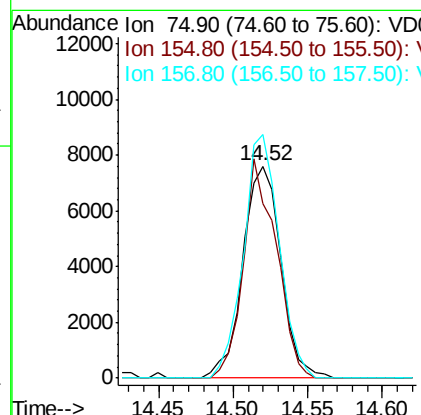
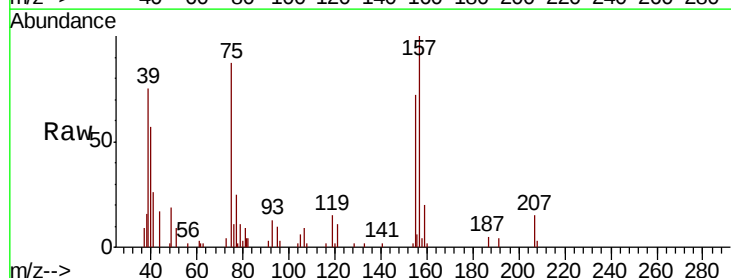
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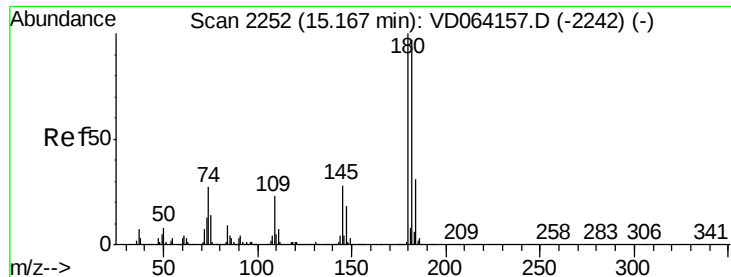
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.039 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13440		
155	89.6	48.0	144.0	
157	107.8	61.5	184.4	





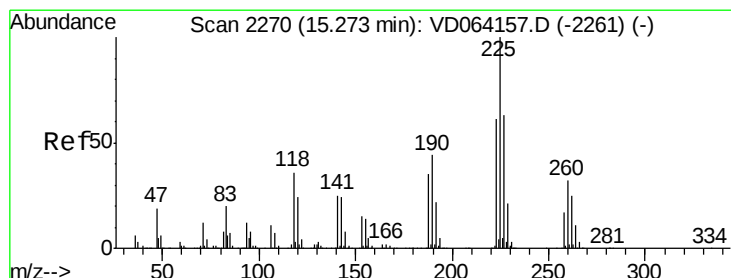
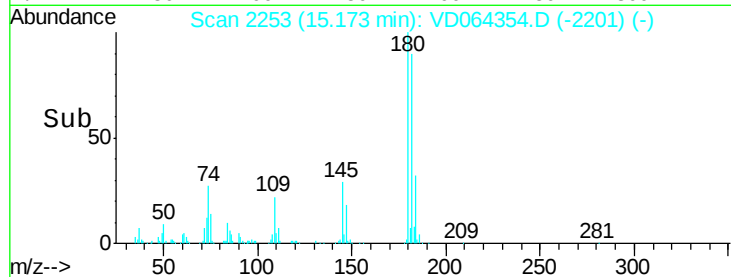
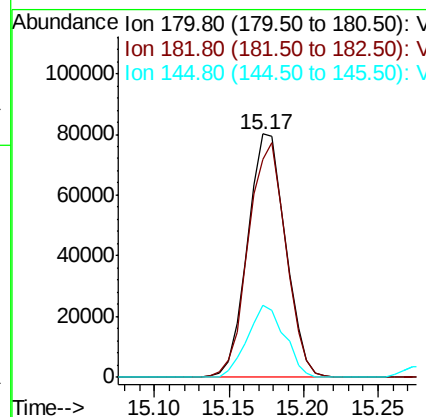
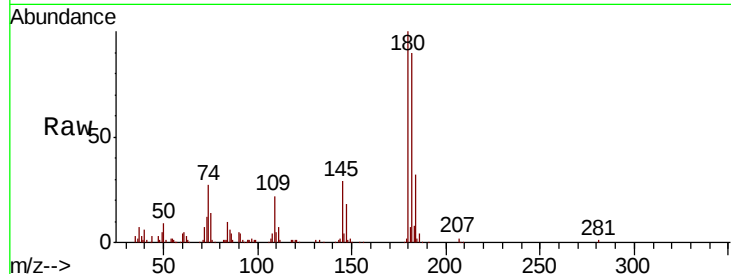
#93
 1,2,4-Trichlorobenzene
 Concen: 20.153 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1125SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140705		
182	95.6	47.5	142.5	
145	29.0	14.2	42.6	

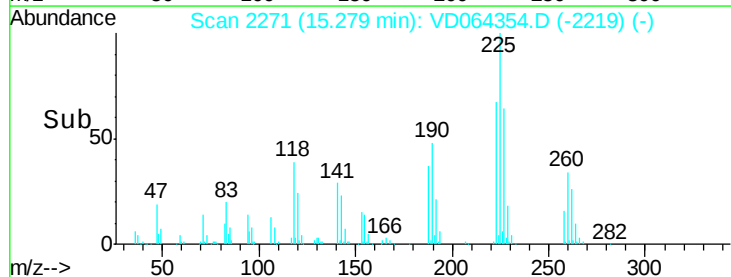
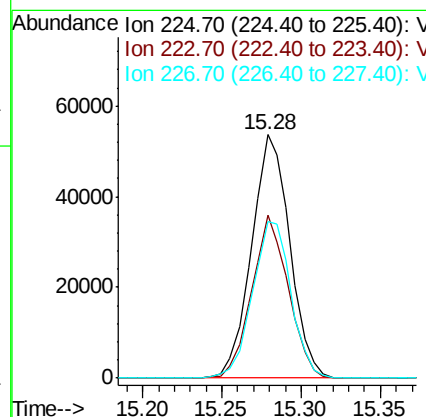
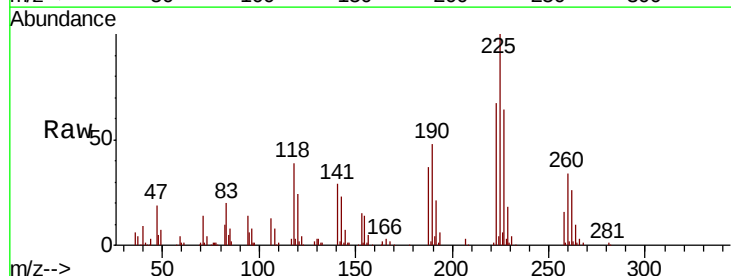
Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 9:56:04 AM



#94
 Hexachlorobutadiene
 Concen: 19.960 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	90011		
223	63.9	31.1	93.3	
227	64.8	31.5	94.5	





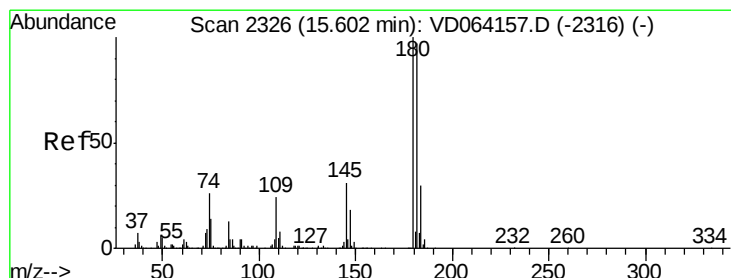
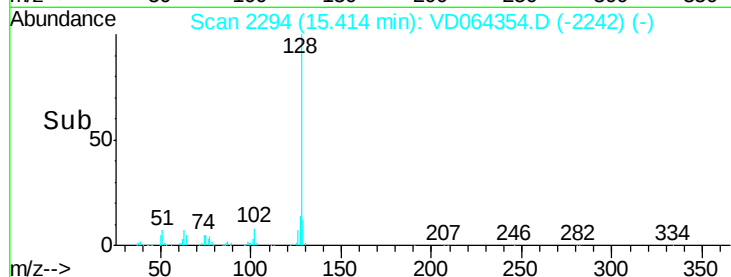
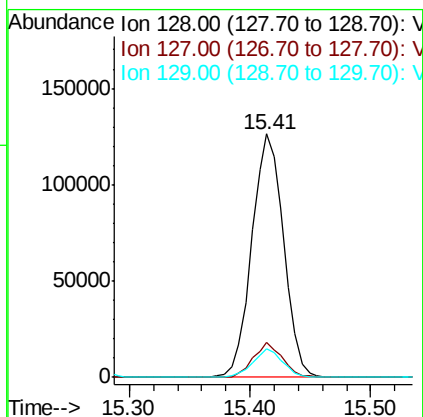
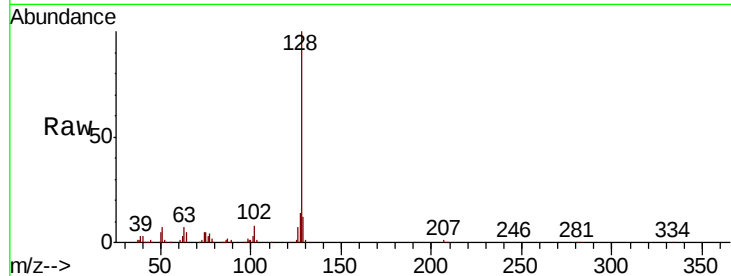
#95
Naphthalene
Concen: 20.277 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1125SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	232069		
127	13.1		10.5	15.7
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.422 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	121200		
182	96.4		48.3	144.9
145	29.5		15.3	45.8

