

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064160.D
 Acq On : 08 Nov 2019 16:53
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110819

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:14:56 AM

Quant Time: Nov 11 08:27:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 08 16:20:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	954362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1358405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1163513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	576008	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	383280	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
35) Dibromofluoromethane	7.92	113	377601	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	10.34	98	1435308	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.63	95	485020	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	392034	49.529	ug/l	98
3) Chloromethane	2.21	50	416402	49.046	ug/l	100
4) Vinyl Chloride	2.36	62	455685	50.191	ug/l	98
5) Bromomethane	2.77	94	290400	50.654	ug/l	98
6) Chloroethane	2.93	64	284427	49.028	ug/l	98
7) Trichlorofluoromethane	3.27	101	734267	49.883	ug/l	97
8) Diethyl Ether	3.70	74	194337	48.016	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	413589	49.159	ug/l	99
10) Methyl Iodide	4.30	142	455076	47.491	ug/l	99
11) Tert butyl alcohol	5.26	59	137294	250.435	ug/l	96
12) 1,1-Dichloroethene	4.06	96	395780	49.354	ug/l	93
13) Acrolein	3.93	56	128711	277.524	ug/l	97
14) Allyl chloride	4.71	41	696685	49.136	ug/l	99
15) Acrylonitrile	5.44	53	417748	242.111	ug/l	99
16) Acetone	4.17	43	477644	256.874	ug/l	98
17) Carbon Disulfide	4.40	76	1242930	49.770	ug/l	100
18) Methyl Acetate	4.73	43	234753	45.201	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	936508	48.919	ug/l	98
20) Methylene Chloride	4.97	84	431945	45.987	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	438645	48.279	ug/l	98
22) Diisopropyl ether	6.37	45	1292931	49.146	ug/l	99
23) Vinyl Acetate	6.31	43	3711998	253.127	ug/l	99
24) 1,1-Dichloroethane	6.27	63	754778	49.413	ug/l	99
25) 2-Butanone	7.22	43	592117	246.479	ug/l	100
26) 2,2-Dichloropropane	7.21	77	730085	48.737	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	485360	49.815	ug/l	97
28) Bromochloromethane	7.55	49	293075	55.110	ug/l	100
29) Tetrahydrofuran	7.57	42	352662	244.335	ug/l	99
30) Chloroform	7.71	83	766979	49.087	ug/l	99
31) Cyclohexane	7.98	56	729330	47.343	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	731824	48.915	ug/l	99
36) 1,1-Dichloropropene	8.11	75	615350	49.083	ug/l	99
37) Ethyl Acetate	7.30	43	253923	48.044	ug/l	98
38) Carbon Tetrachloride	8.10	117	667370	49.749	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	783461	49.387	ug/l	98
40) Benzene	8.36	78	1667631	48.671	ug/l	99
41) Methacrylonitrile	7.53	41	168766	50.804	ug/l	95
42) 1,2-Dichloroethane	8.43	62	497781	48.372	ug/l	100
43) Isopropyl Acetate	8.46	43	534336	49.068	ug/l	99
44) Trichloroethene	9.11	130	502584	48.872	ug/l	97
45) 1,2-Dichloropropane	9.39	63	407541	48.868	ug/l	97
46) Dibromomethane	9.48	93	214622	48.071	ug/l	99
47) Bromodichloromethane	9.67	83	586095	48.735	ug/l	98
48) Methyl methacrylate	9.46	41	241962	45.440	ug/l	97
49) 1,4-Dioxane	9.47	88	50069	933.759	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1256049	240.524	ug/l	100
52) Toluene	10.40	92	1091982	48.467	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	590584	49.018	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	690323	49.100	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	299774	49.495	ug/l	98
56) Ethyl methacrylate	10.66	69	411847	48.610	ug/l	99
57) 1,3-Dichloropropane	10.95	76	518918	49.126	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	823597	239.976	ug/l	100
59) 2-Hexanone	10.99	43	914940	246.266	ug/l	99
60) Dibromochloromethane	11.14	129	405653	47.999	ug/l	98
61) 1,2-Dibromoethane	11.25	107	296312	48.845	ug/l	98
64) Tetrachloroethene	10.88	164	434740	48.583	ug/l	99
65) Chlorobenzene	11.67	112	1153868	48.768	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	441070	49.026	ug/l	99
67) Ethyl Benzene	11.75	91	2105099	49.188	ug/l	99
68) m/p-Xylenes	11.86	106	1612437	98.294	ug/l	99
69) o-Xylene	12.18	106	744909	48.962	ug/l	99
70) Styrene	12.20	104	1291472	48.630	ug/l	100
71) Bromoform	12.37	173	252490	49.315	ug/l #	98
73) Isopropylbenzene	12.48	105	2024717	47.890	ug/l	100
74) N-amyl acetate	12.29	43	474816	47.558	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	308001	48.347	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	224665m	48.424	ug/l	
77) Bromobenzene	12.77	156	489229	47.630	ug/l	98
78) n-propylbenzene	12.83	91	2325428	48.141	ug/l	99
79) 2-Chlorotoluene	12.91	91	1308499	47.980	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1652953	47.580	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	113702	48.681	ug/l	99
82) 4-Chlorotoluene	13.01	91	1383224	48.628	ug/l	99
83) tert-Butylbenzene	13.23	119	1449060	47.303	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1660179	48.405	ug/l	100
85) sec-Butylbenzene	13.40	105	1982615	48.188	ug/l	100
86) p-Isopropyltoluene	13.52	119	1889794	48.314	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	928113	48.677	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	908053	48.797	ug/l	100
89) n-Butylbenzene	13.84	91	1714586	48.519	ug/l	100
90) Hexachloroethane	14.11	117	347559	48.079	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	789264	48.907	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	51524	45.235	ug/l	97

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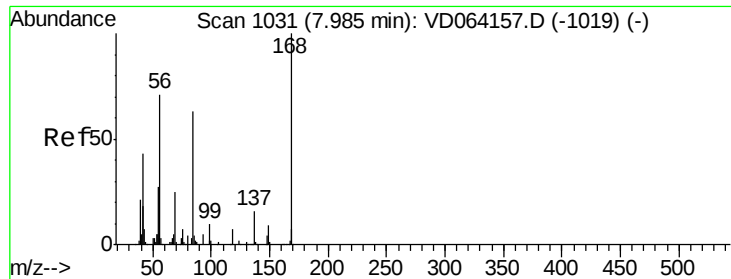
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	610576	49.046	ug/l	100
94) Hexachlorobutadiene	15.27	225	390077	48.512	ug/l	99
95) Naphthalene	15.40	128	993087	48.664	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	520412	49.178	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110819

Tot Ion:168 Resp: 954362

Ion Ratio Lower Upper

168 100

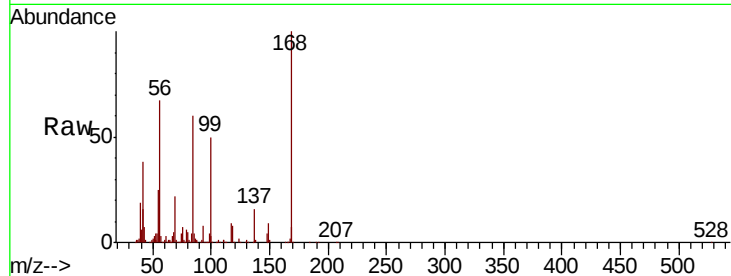
99 50.0 41.6 62.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

400000

300000

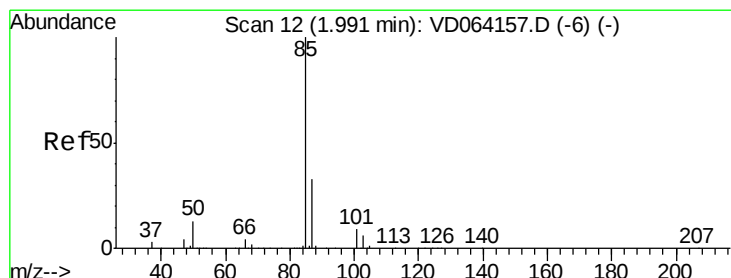
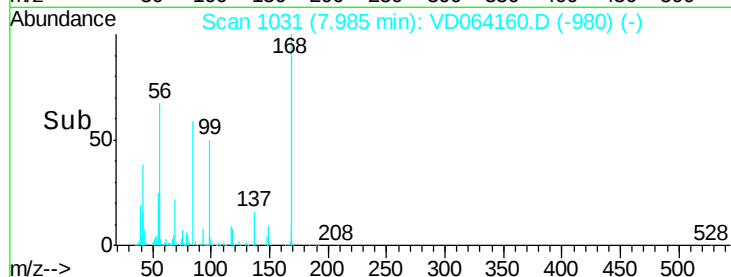
200000

100000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.529 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064160.D

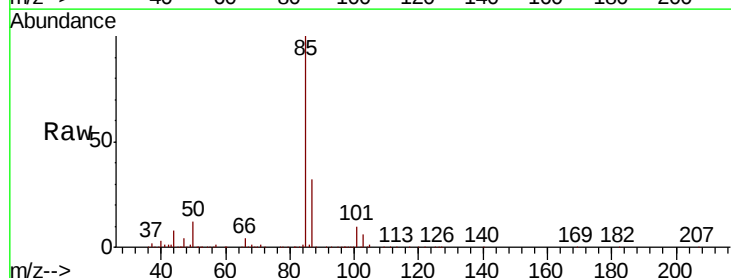
Acq: 08 Nov 2019 16:53

Tgt Ion: 85 Resp: 392034

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

300000

250000

200000

150000

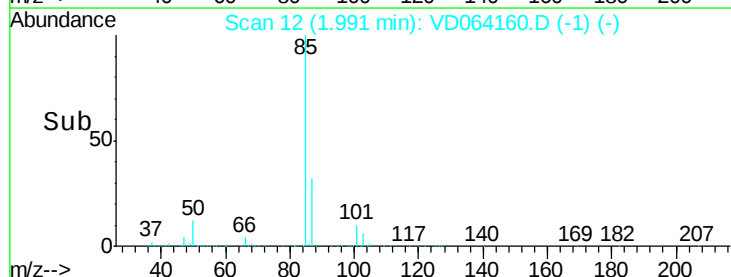
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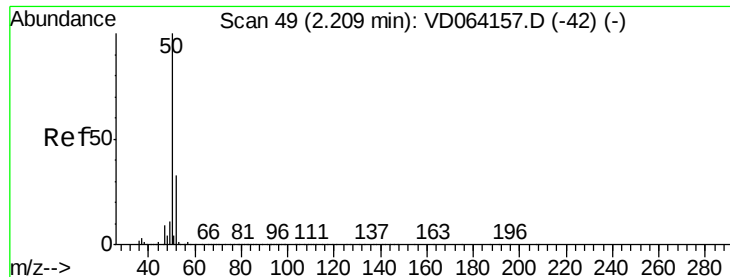
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 49.046 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110819

Tot Ion: 50 Resp: 416402

Ion Ratio Lower Upper

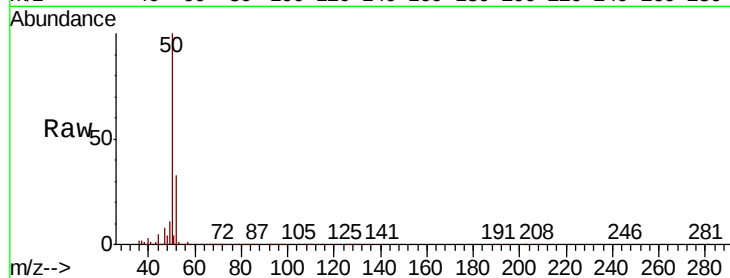
50 100

52 32.9 26.2 39.4

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

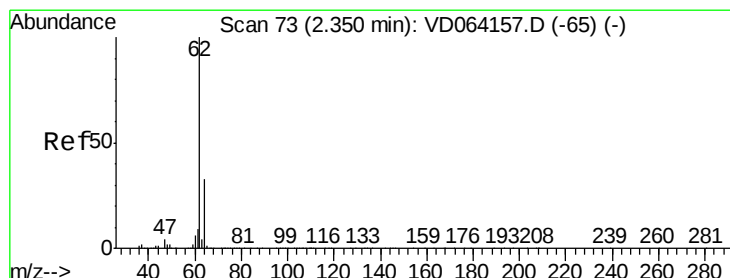
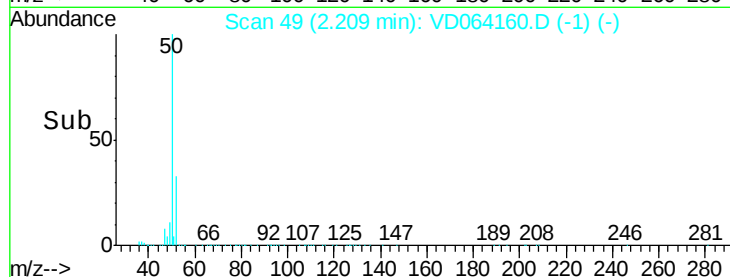
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 50.191 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064160.D

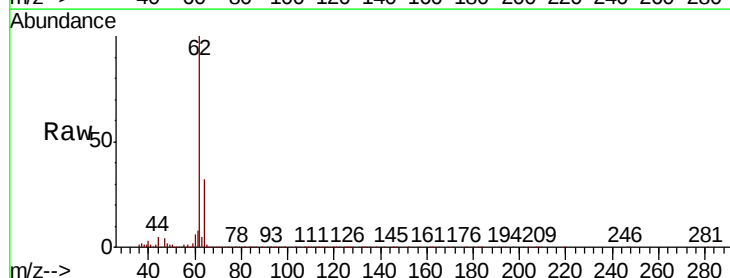
Acq: 08 Nov 2019 16:53

Tgt Ion: 62 Resp: 455685

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

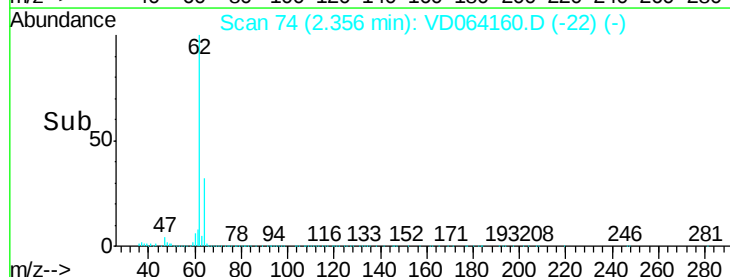
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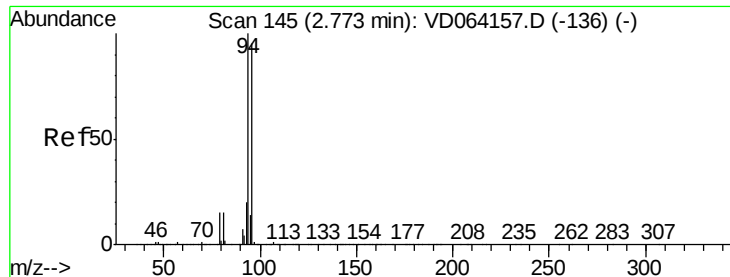
200000

100000

0

Time-->





#5

Bromomethane

Concen: 50.654 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110819

Tot Ion: 94 Resp: 290400

Ion Ratio Lower Upper

94 100

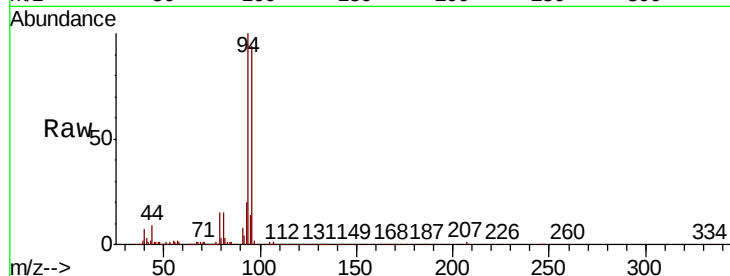
96 93.1 76.2 114.4

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

150000

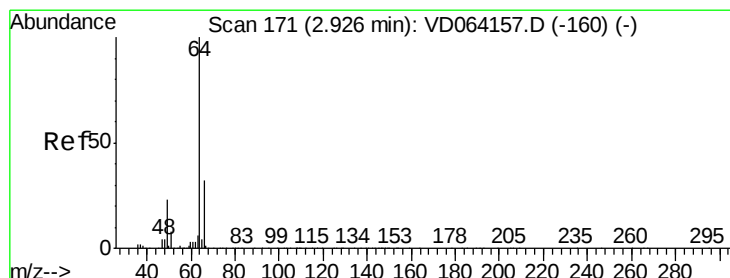
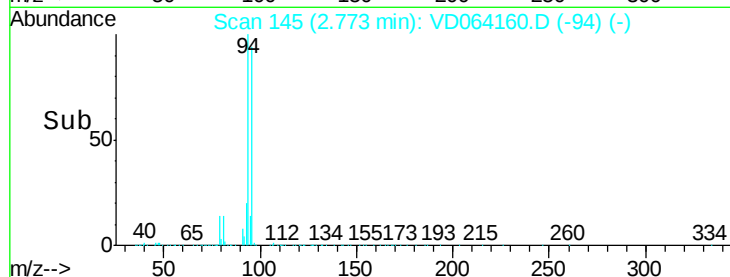
100000

50000

0

2.70 2.77 2.80 2.90

Time-->



#6

Chloroethane

Concen: 49.028 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064160.D

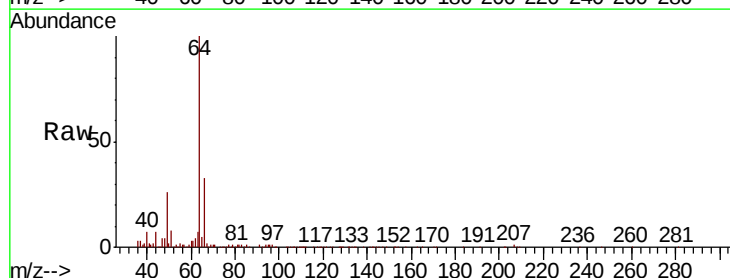
Acq: 08 Nov 2019 16:53

Tgt Ion: 64 Resp: 284427

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

150000

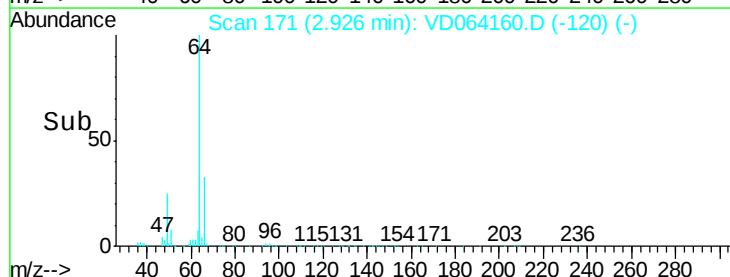
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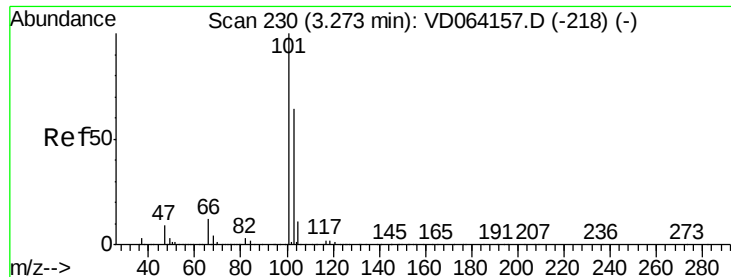
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0

2.80 2.90 2.93 3.00

Time-->





#7

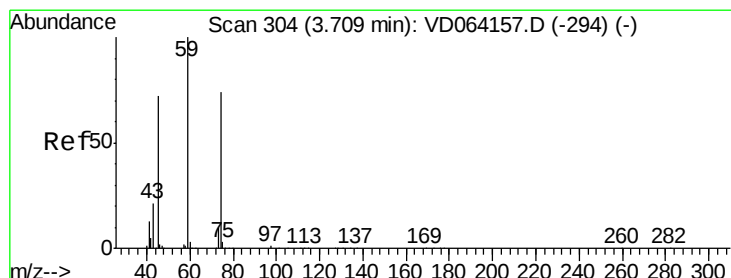
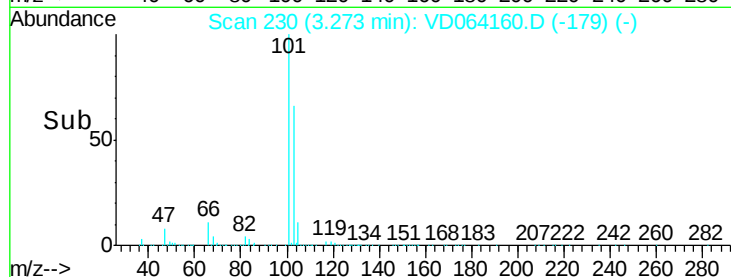
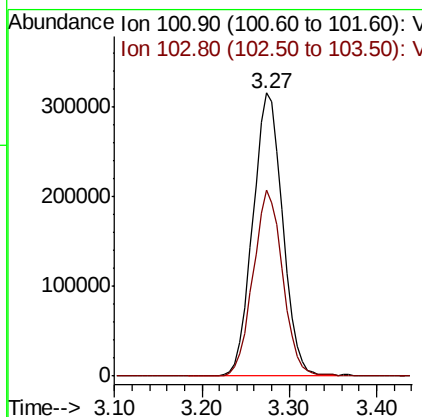
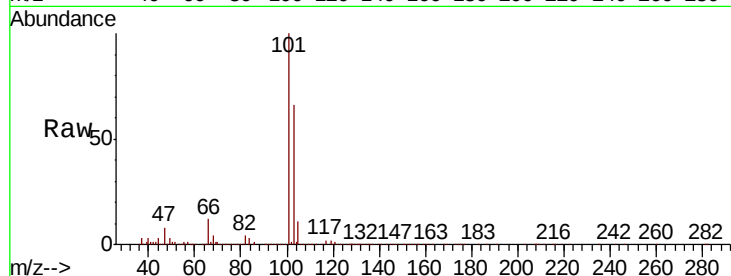
Trichlorofluoromethane
Concen: 49.883 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	50.8	76.2

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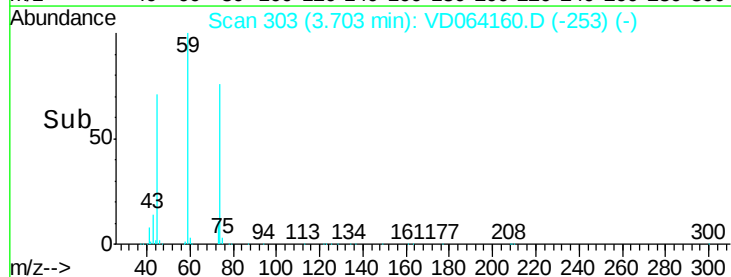
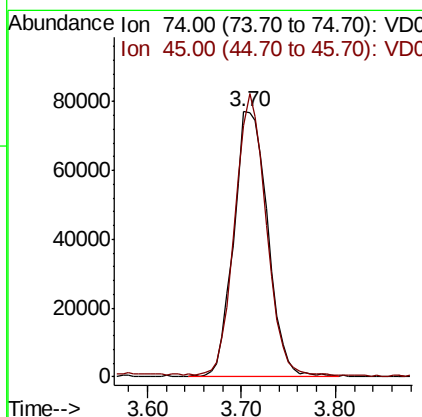
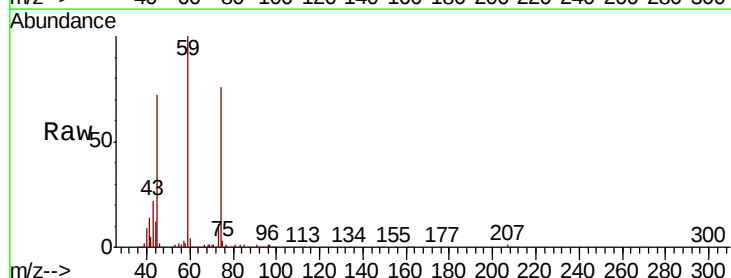
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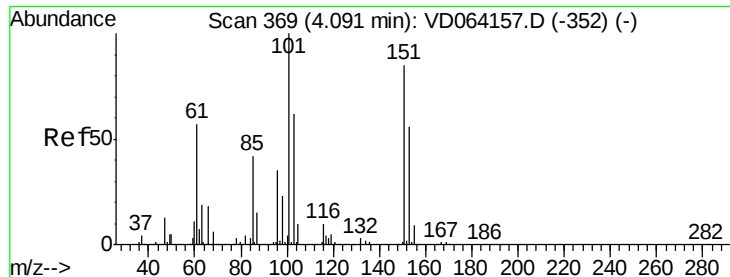


#8

Diethyl Ether
Concen: 48.016 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.159 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

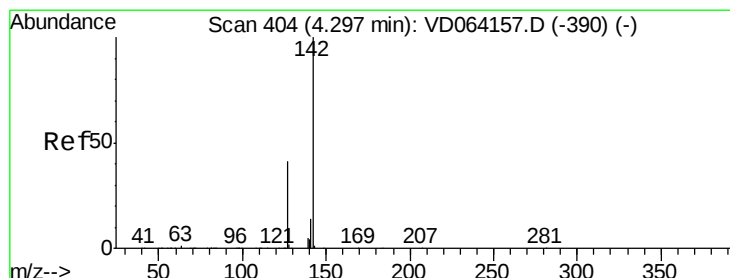
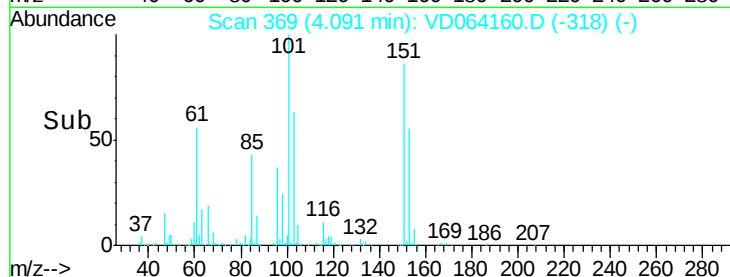
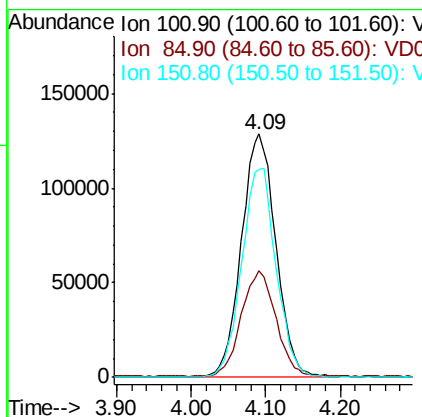
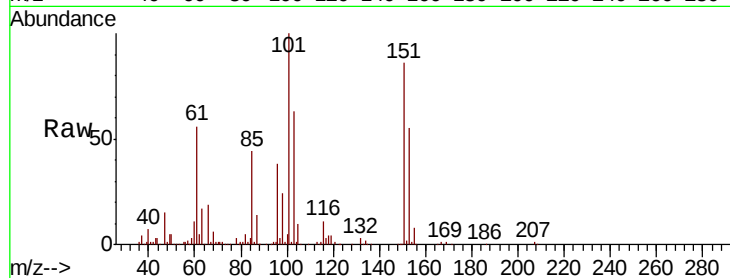
ClientSampleId :

ICVVD110819

Tot Ion:	101	Resp:	413589
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.4	51.6
151	85.7	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 47.491 ug/l

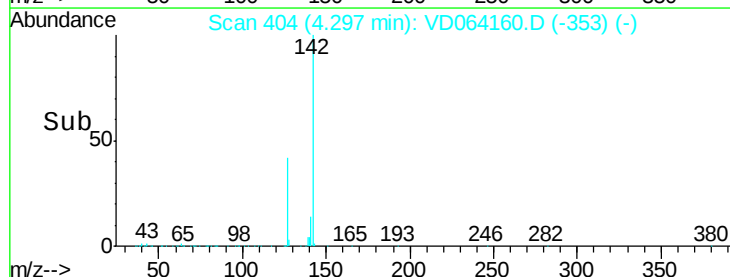
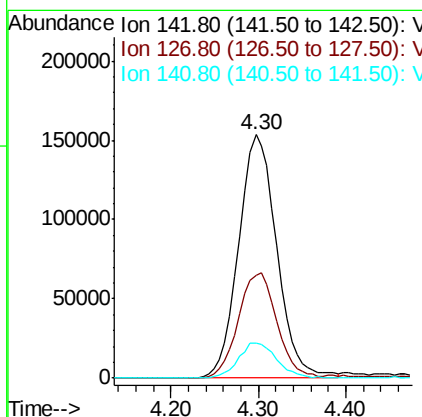
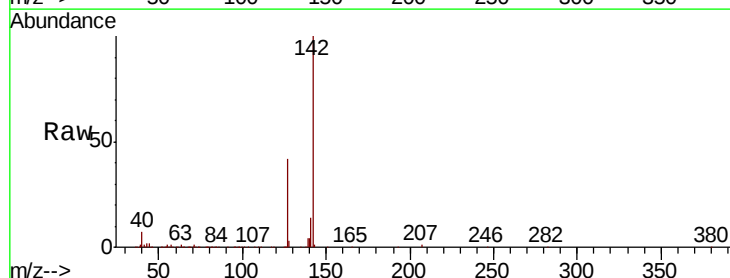
RT: 4.30 min Scan# 404

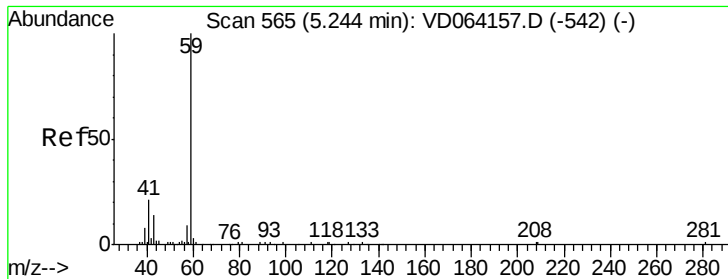
Delta R.T. 0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Tgt Ion:	142	Resp:	455076
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.4	51.6
141	14.8	11.2	16.8





#11

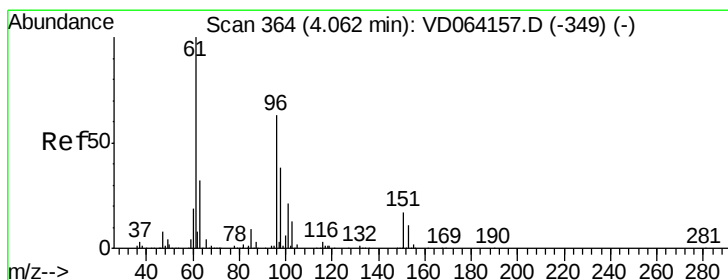
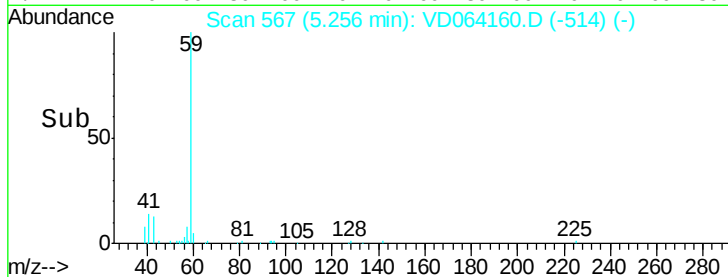
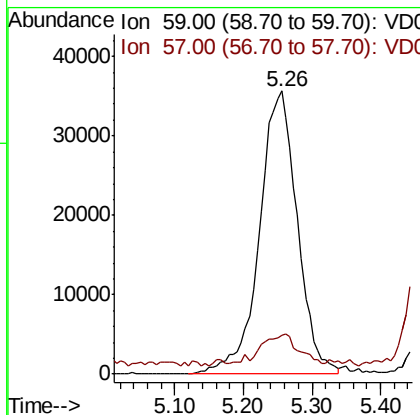
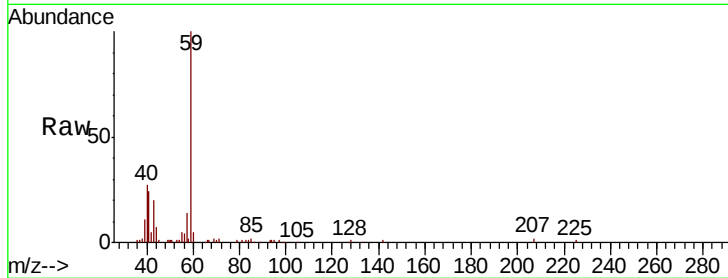
Tert butyl alcohol
Concen: 250.435 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	137294		
57	57	10.2		9.4	14.2

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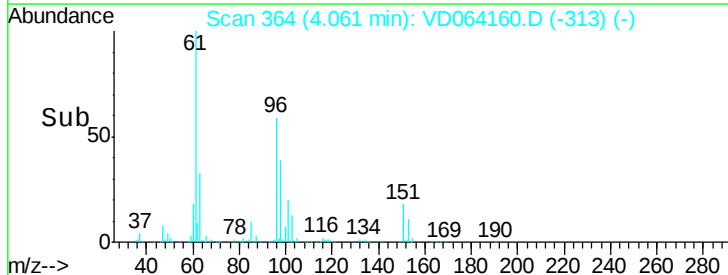
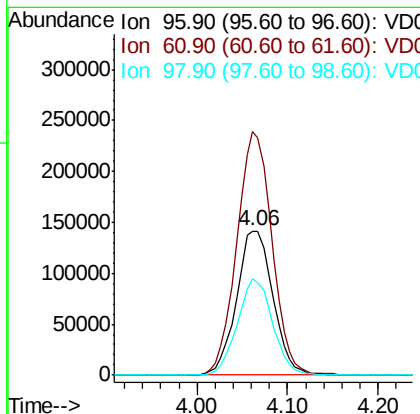
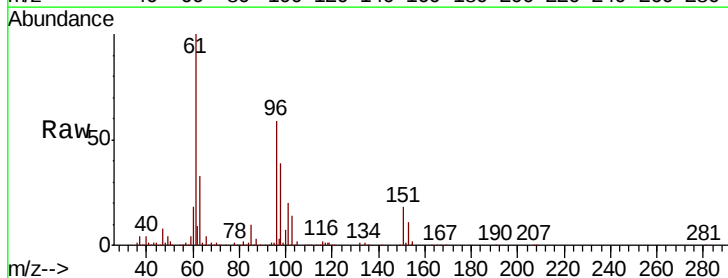
MMDadoda
11/13/2019 11:14:56 AM

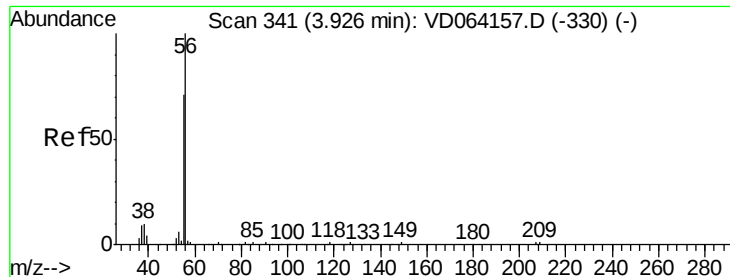


#12

1,1-Dichloroethene
Concen: 49.354 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	395780		
61	61	168.6		127.4	191.2
98	98	66.1		48.1	72.1





#13

Acrolein

Concen: 277.524 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110819

Tot Ion: 56 Resp: 128711

Ion Ratio Lower Upper

56 100

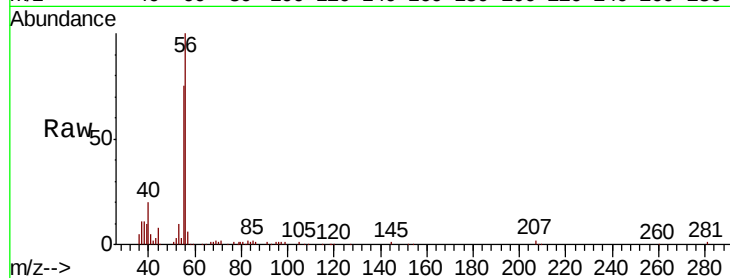
55 72.2 56.1 84.1

Manual Integrations

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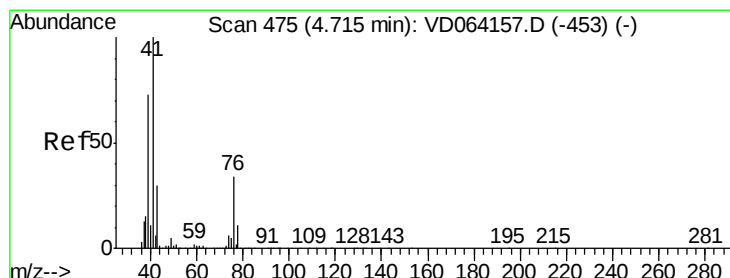
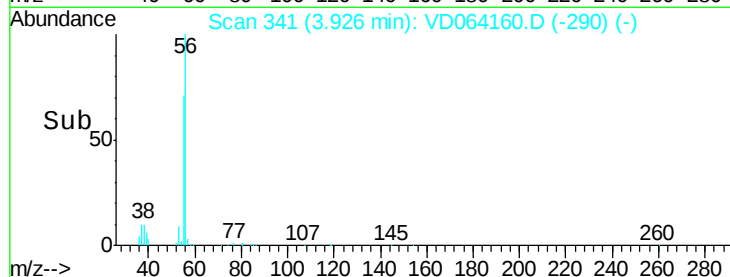
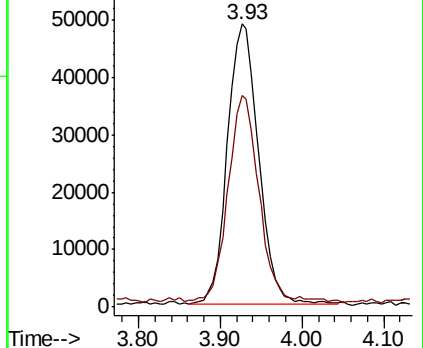
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.136 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

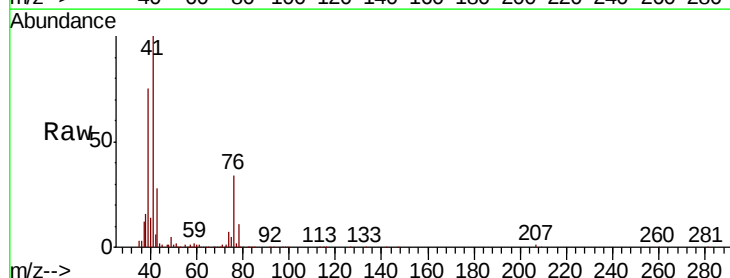
Tgt Ion: 41 Resp: 696685

Ion Ratio Lower Upper

41 100

39 72.7 57.5 86.3

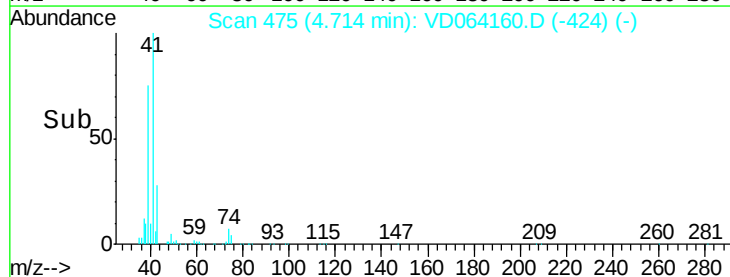
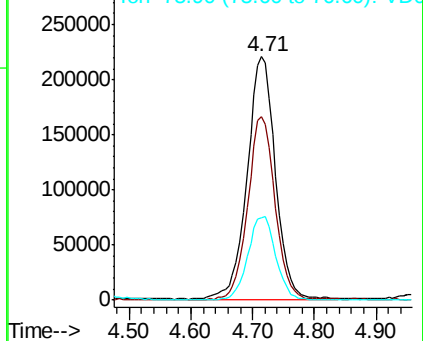
76 33.7 26.8 40.2

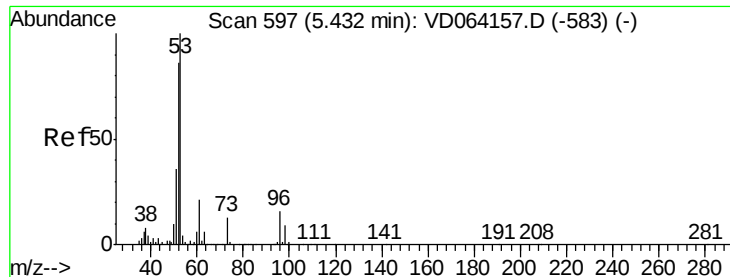


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 242.111 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

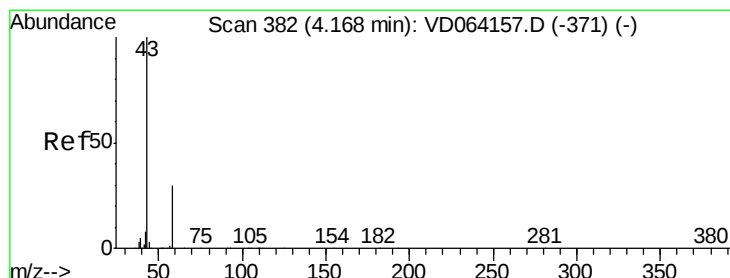
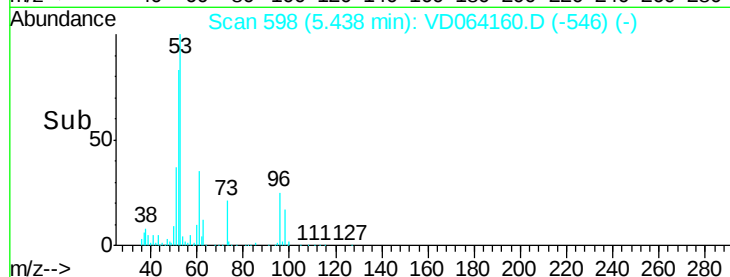
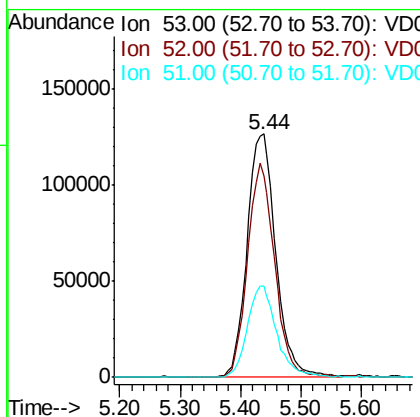
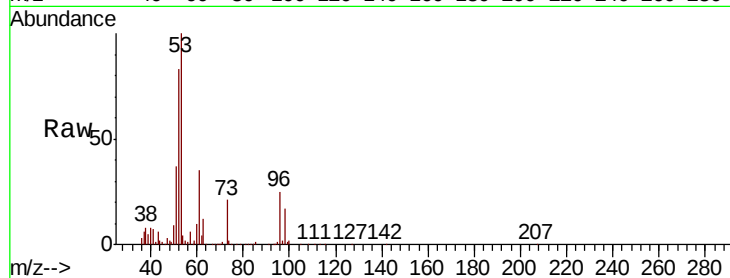
ClientSampleId :

ICVVD110819

Tot Ion:	53	Resp:	417748
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.7	100.1
51	38.2	30.6	46.0

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#16

Acetone

Concen: 256.874 ug/l

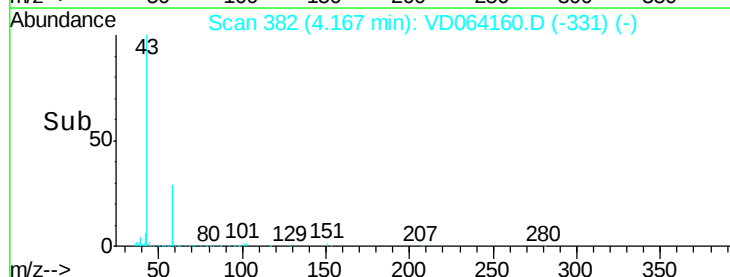
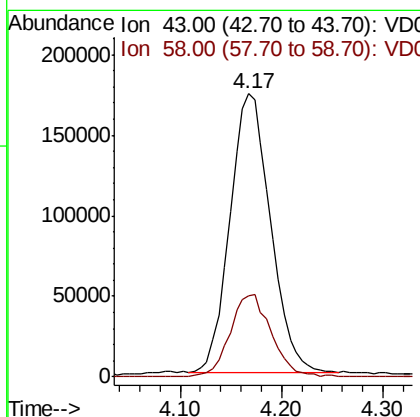
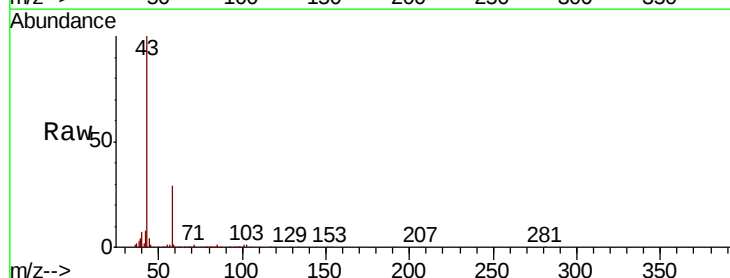
RT: 4.17 min Scan# 382

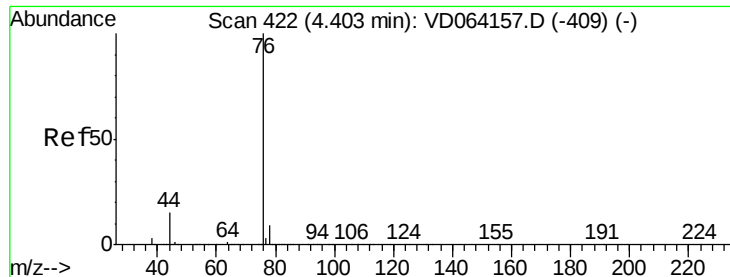
Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Tgt Ion:	43	Resp:	477644
Ion	Ratio	Lower	Upper
43	100		
58	28.9	24.1	36.1





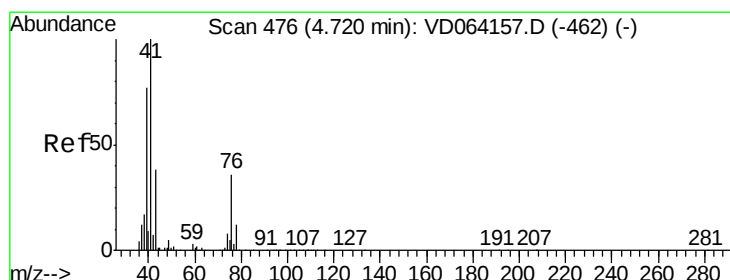
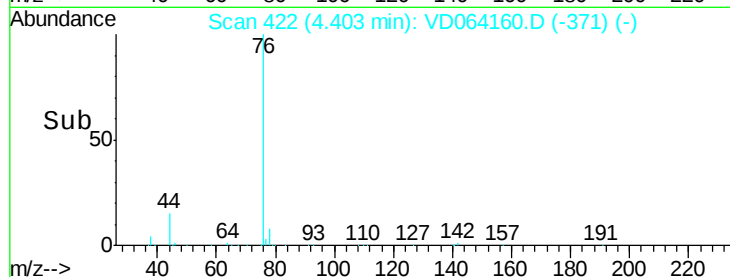
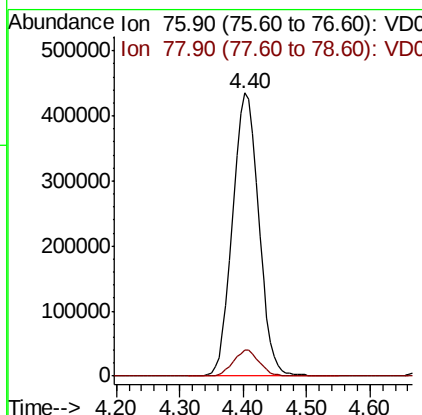
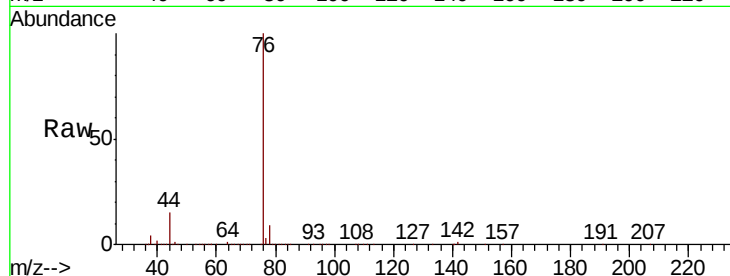
#17
Carbon Disulfide
Concen: 49.770 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion: 76 Resp: 1242930
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

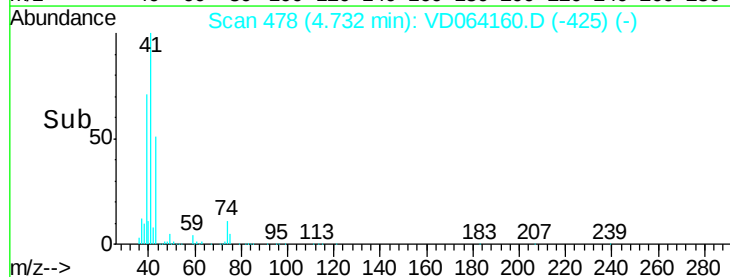
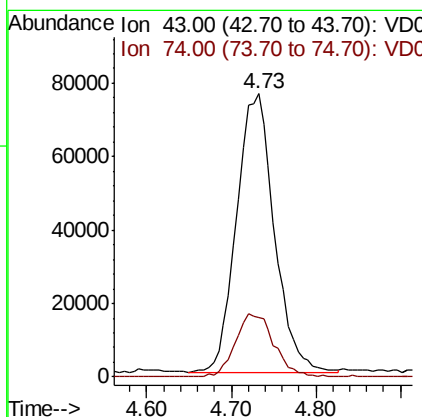
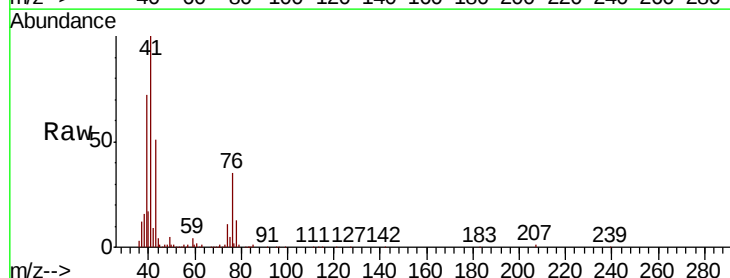
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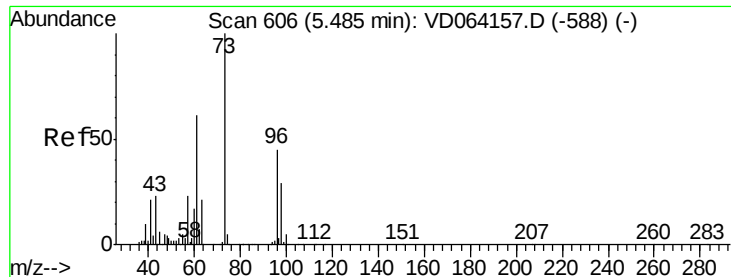
MMDadoda
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#18
Methyl Acetate
Concen: 45.201 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion: 43 Resp: 234753
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6





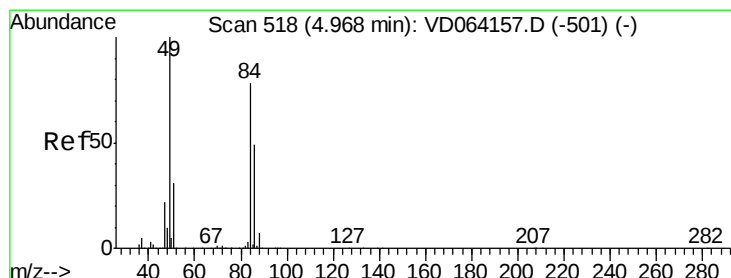
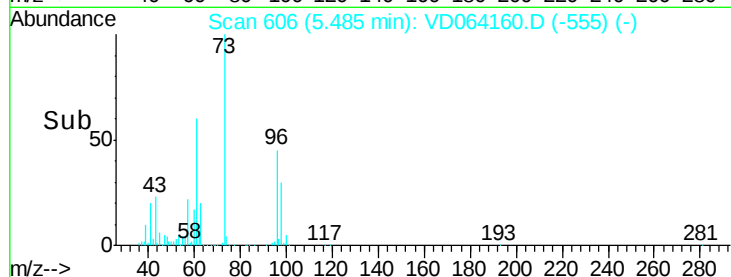
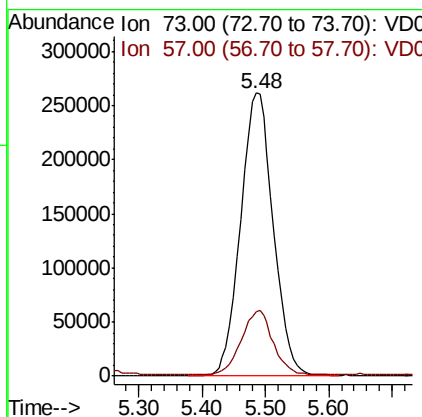
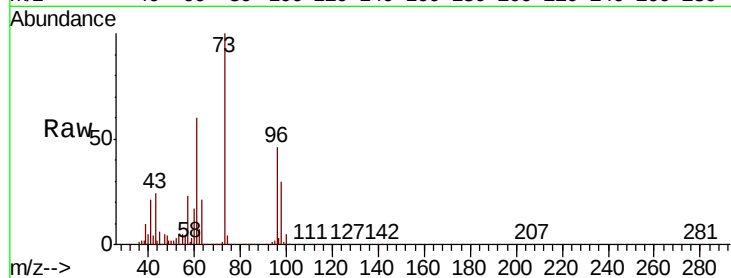
#19
Methvl tert-butvl Ether
Concen: 48.919 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion: 73 Resp: 936508
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6

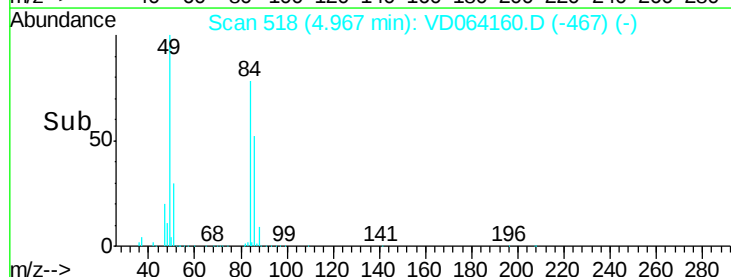
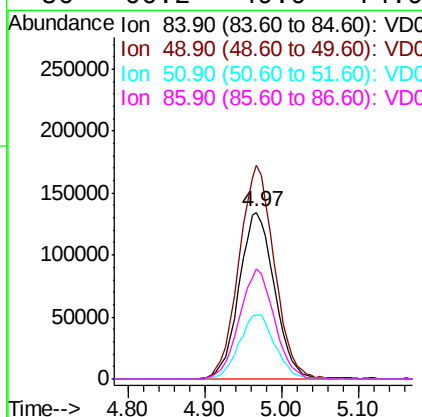
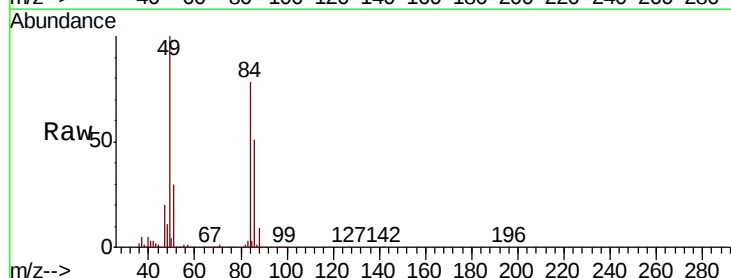
Manual Integrations
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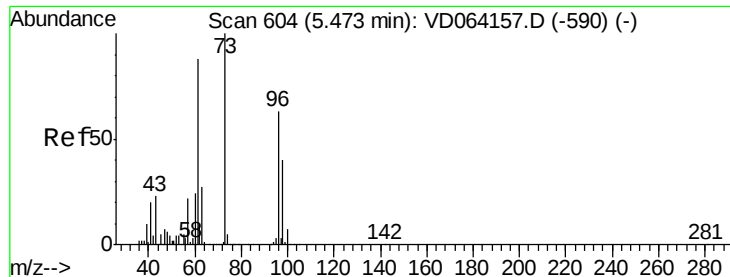
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#20
Methylene Chloride
Concen: 45.987 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion: 84 Resp: 431945
Ion Ratio Lower Upper
84 100
49 128.6 102.1 153.1
51 38.6 32.2 48.2
86 66.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 48.279 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

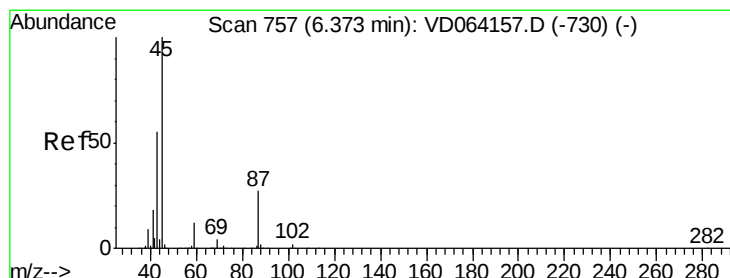
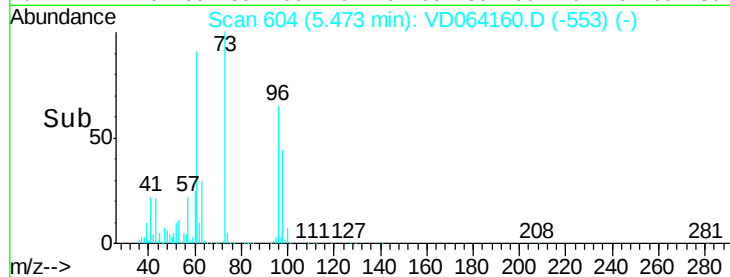
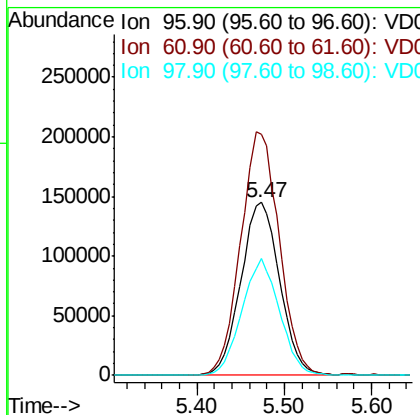
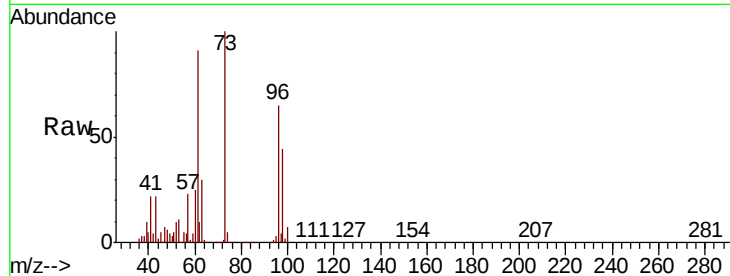
ClientSampleId :

ICVVD110819

Tot Ion:	96	Resp:	438645
Ion	Ratio	Lower	Upper
96	100		
61	139.3	111.8	167.6
98	67.1	50.3	75.5

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#22

Diisopropyl ether

Concen: 49.146 ug/l

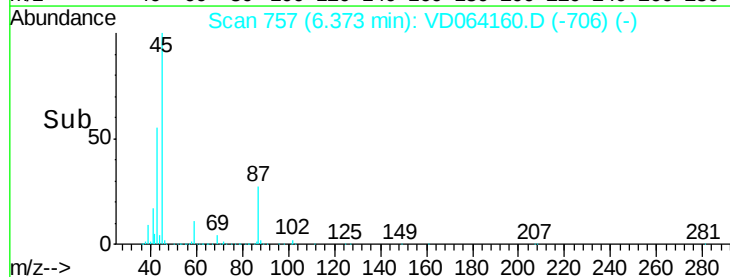
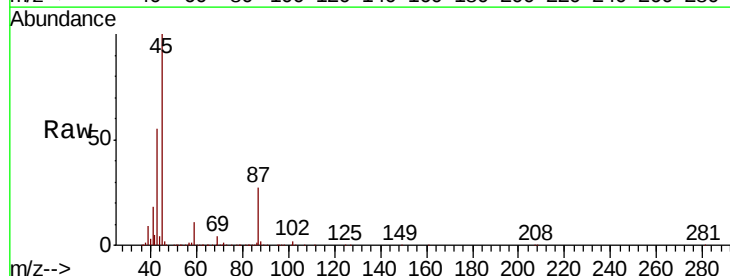
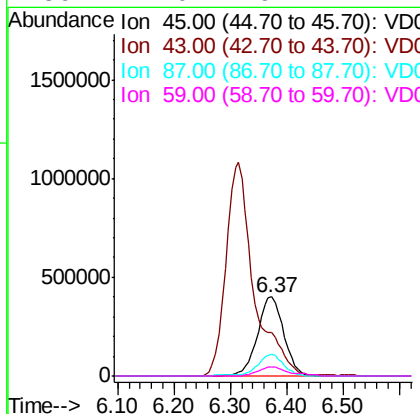
RT: 6.37 min Scan# 757

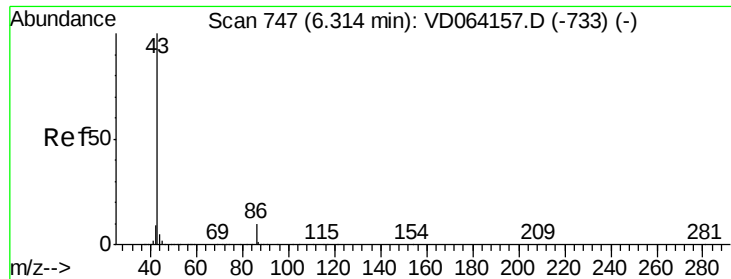
Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Tgt Ion:	45	Resp:	1292931
Ion	Ratio	Lower	Upper
45	100		
43	54.9	44.4	66.6
87	26.8	21.9	32.9
59	11.0	9.4	14.2





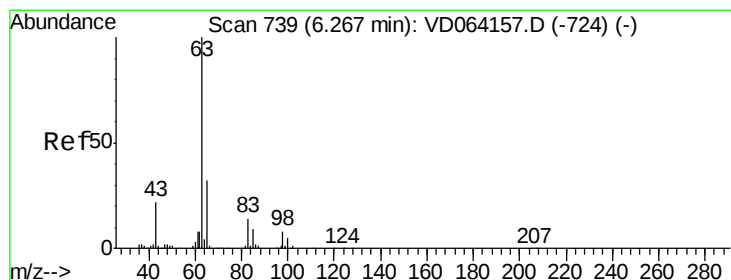
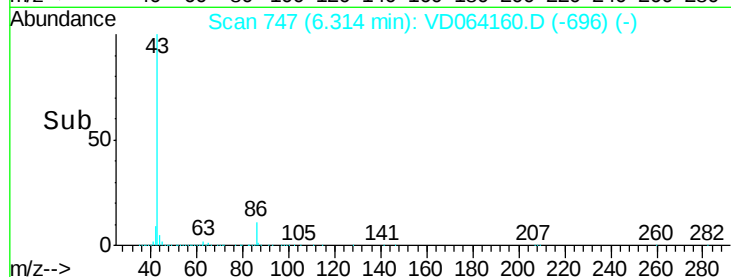
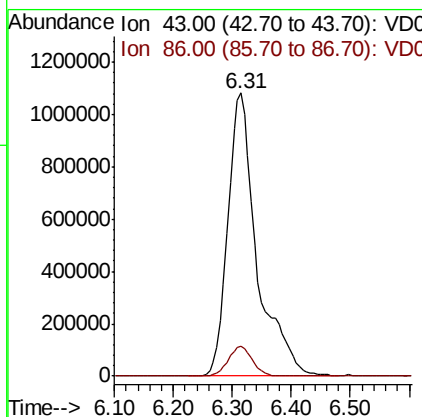
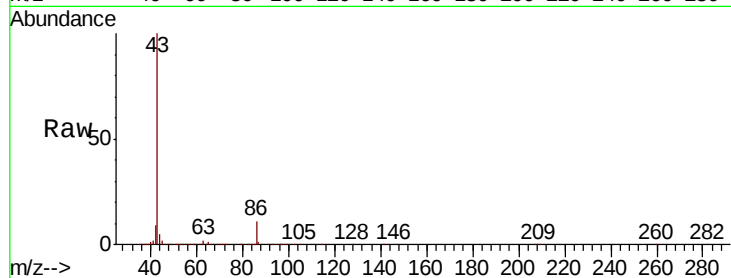
#23
 Vinyl Acetate
 Concen: 253.127 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110819

Tot Ion: 43 Resp: 3711998
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.2 12.2

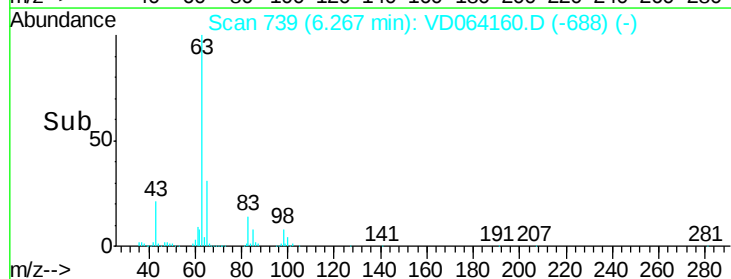
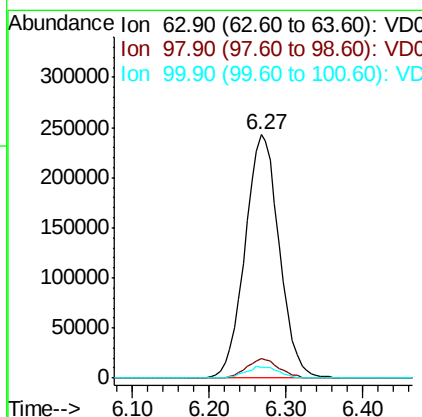
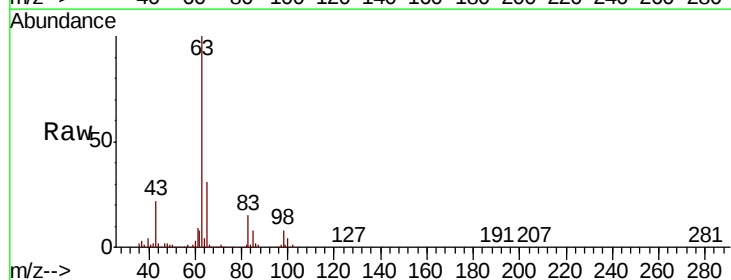
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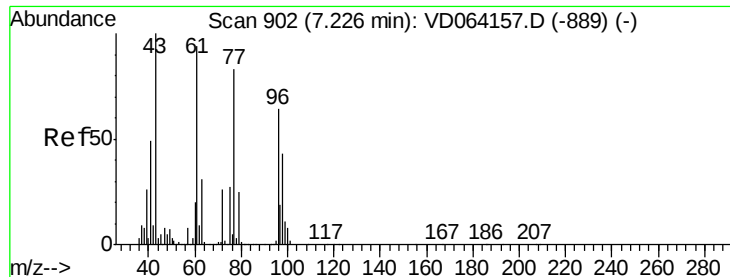
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 11/13/2019 11:14:56 AM



#24
 1,1-Dichloroethane
 Concen: 49.413 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Tgt Ion: 63 Resp: 754778
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.8 11.4
 100 4.5 2.4 7.2





#25

2-Butanone

Concen: 246.479 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110819

Tot Ion: 43 Resp: 592117

Ion Ratio Lower Upper

43 100

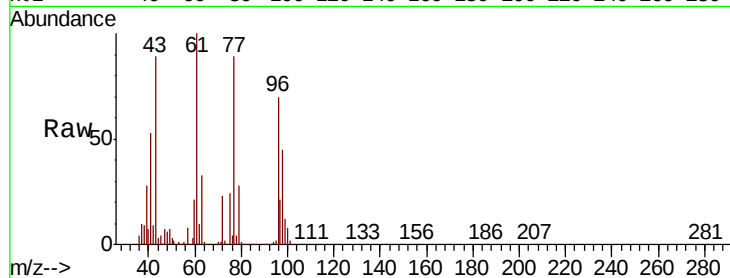
72 25.8 20.6 30.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

250000

200000

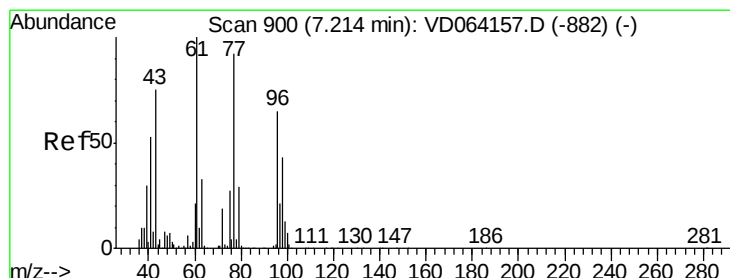
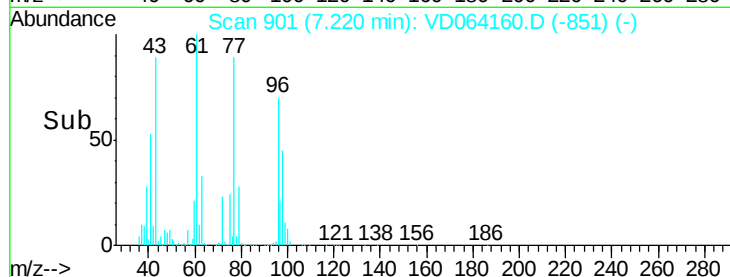
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.737 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064160.D

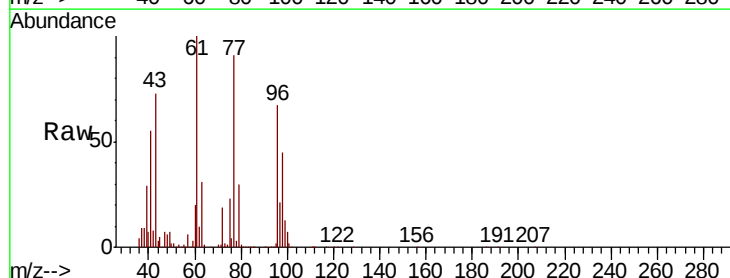
Acq: 08 Nov 2019 16:53

Tgt Ion: 77 Resp: 730085

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

250000

200000

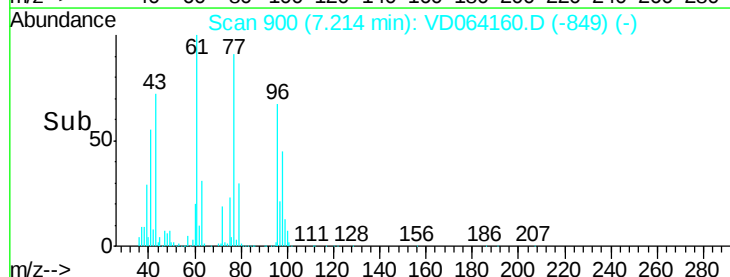
150000

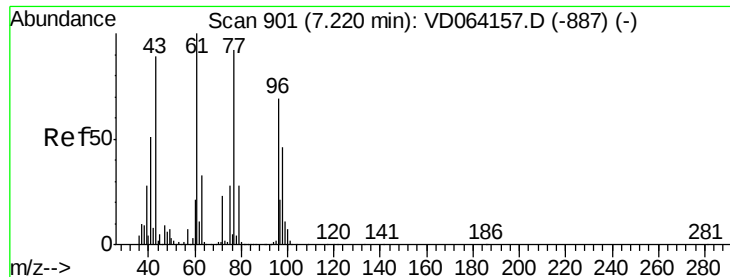
100000

50000

0

Time-->





#27

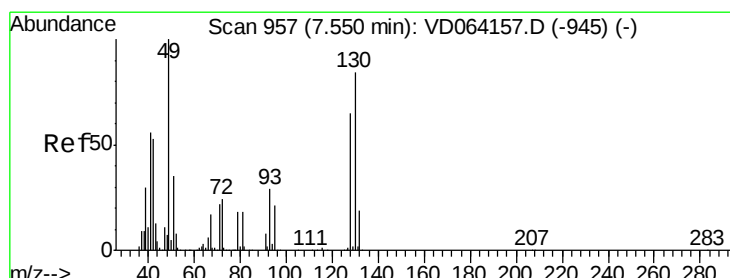
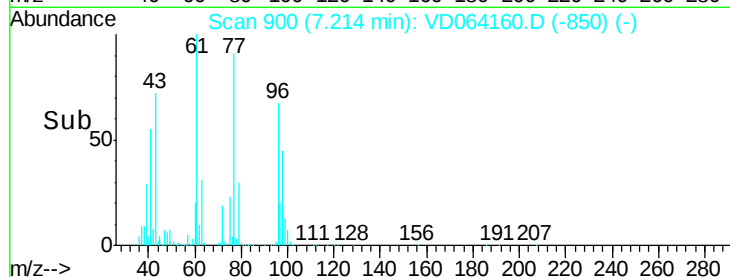
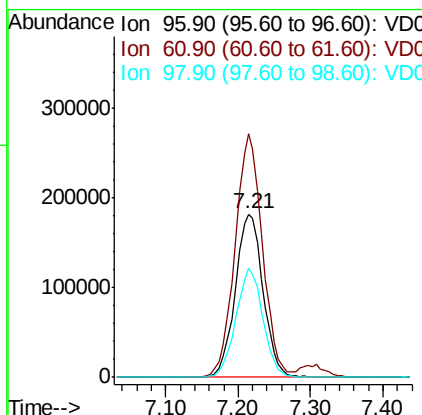
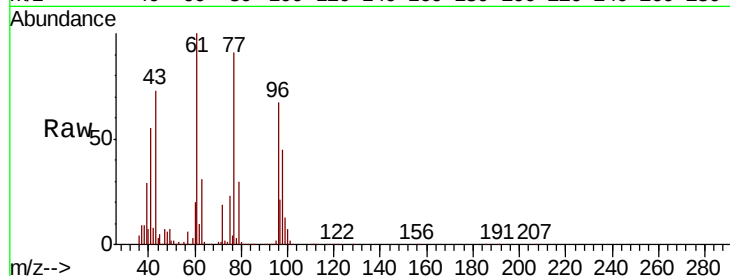
cis-1,2-Dichloroethene
 Concen: 49.815 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110819

Tot Ion	Ratio	Resp	Lower	Upper
96	100	485360		
61	146.1	0.0	301.4	
98	64.8	0.0	133.2	

Manual Integrations
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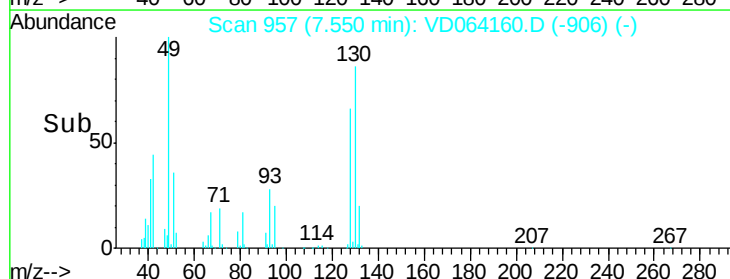
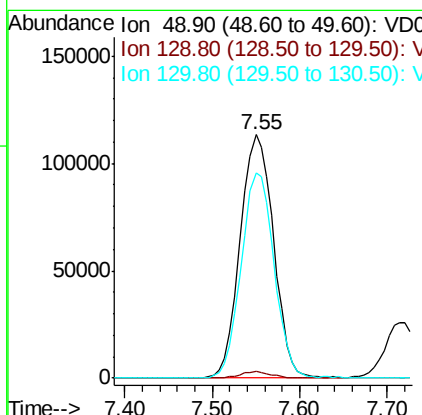
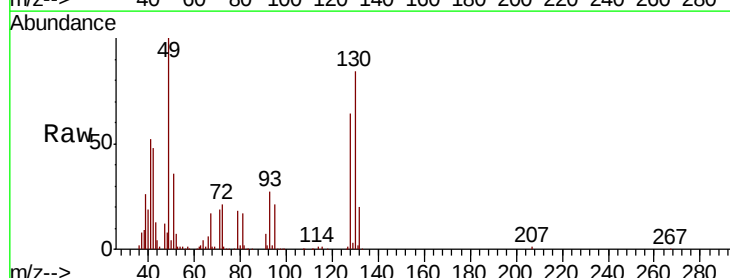
MMDadoda
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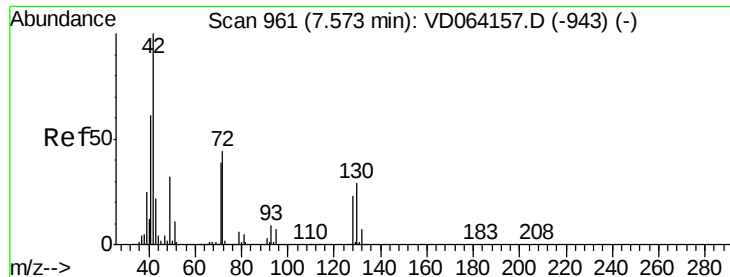


#28

Bromochloromethane
 Concen: 55.110 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	293075		
129	2.4	0.0	4.4	
130	83.2	66.8	100.2	





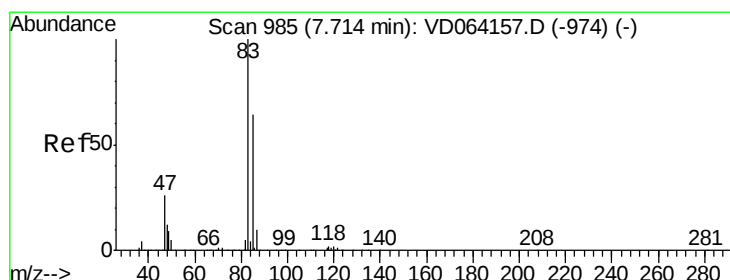
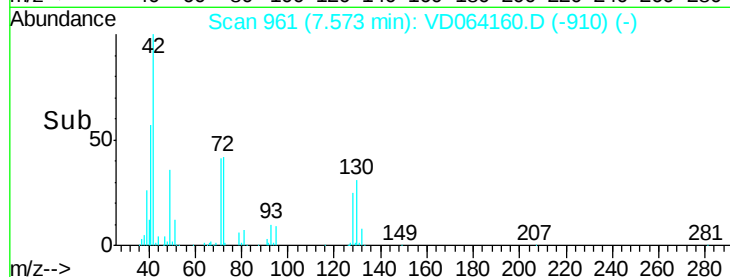
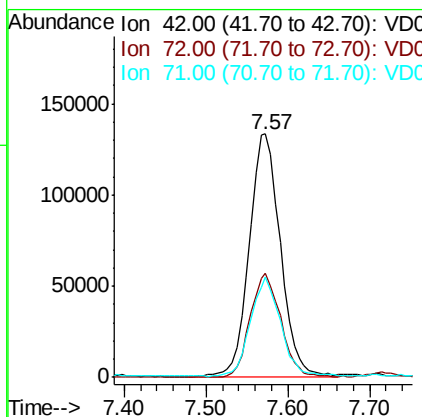
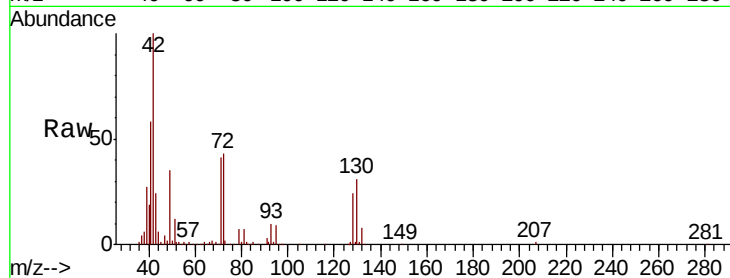
#29
Tetrahydrofuran
Concen: 244.335 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.4	50.2
71	39.5	31.0	46.4

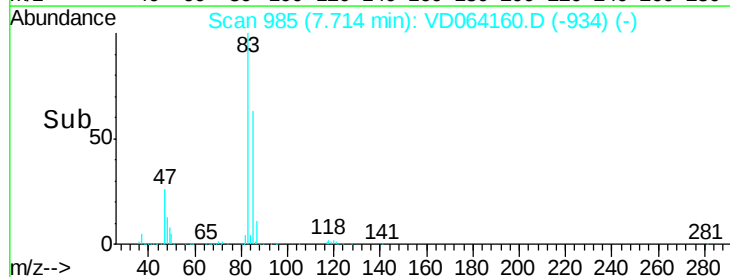
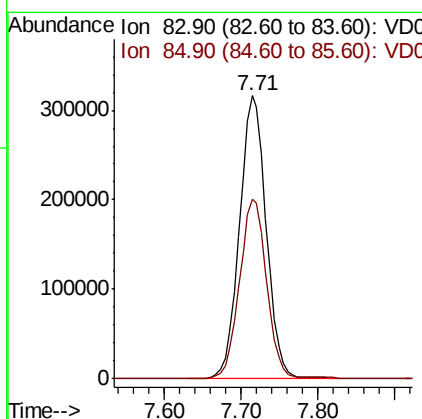
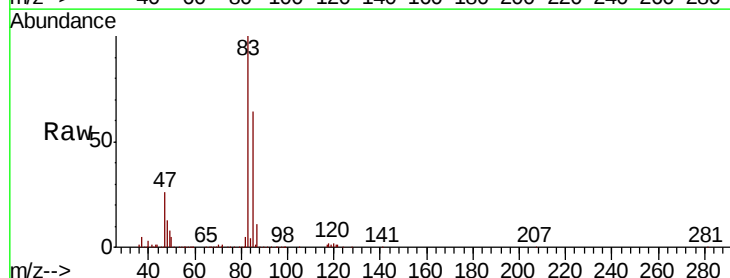
Manual Integrations
APPROVED

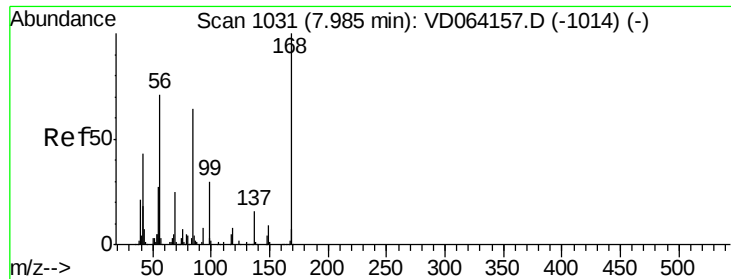
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#30
Chloroform
Concen: 49.087 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.0





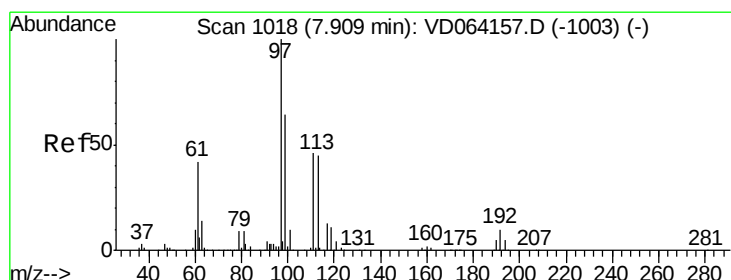
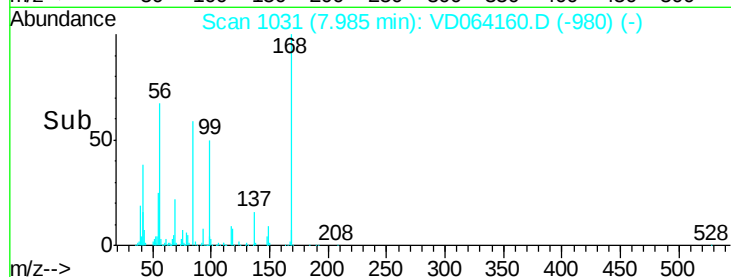
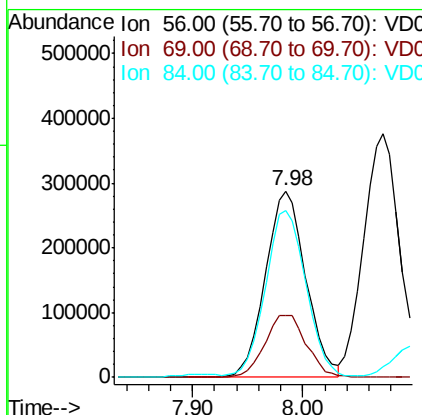
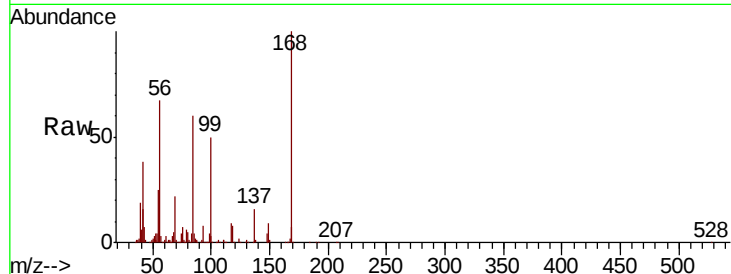
#31
Cyclohexane
Concen: 47.343 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	28.2	42.4
84	88.1	71.8	107.6

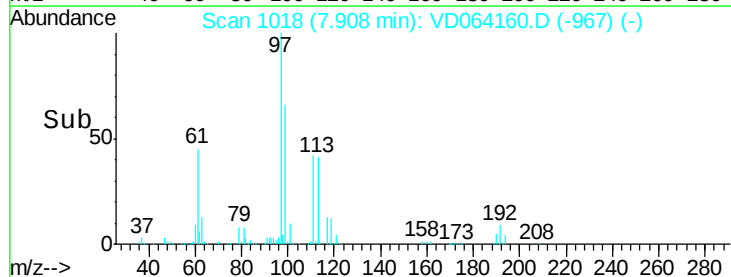
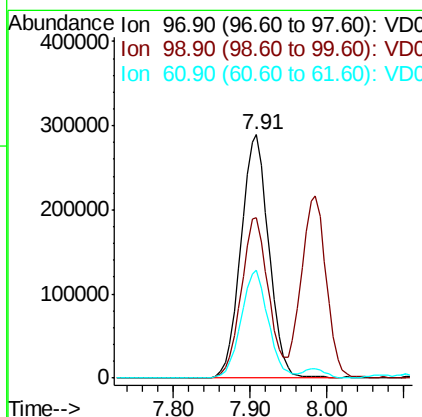
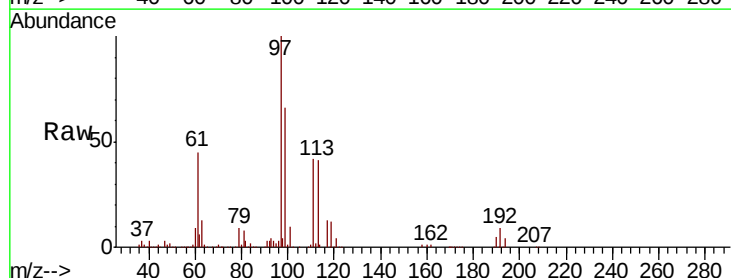
Manual Integrations
APPROVED

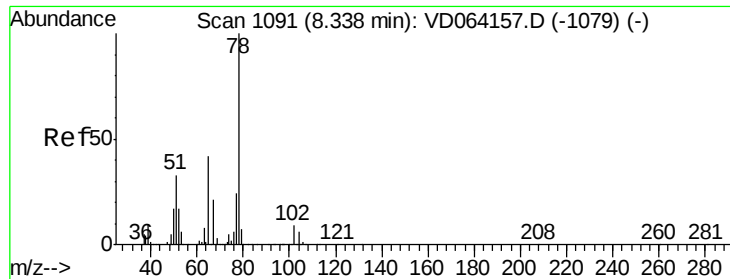
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#32
1,1,1-Trichloroethane
Concen: 48.915 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	43.6	34.2	51.2





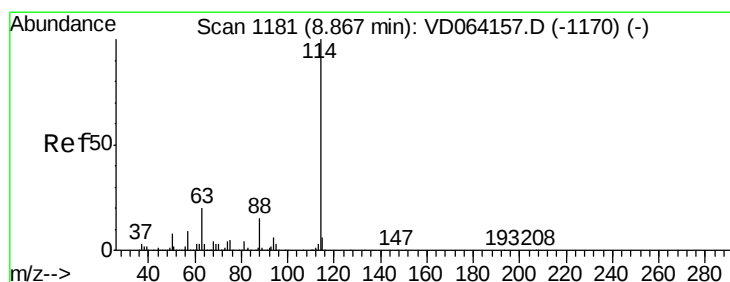
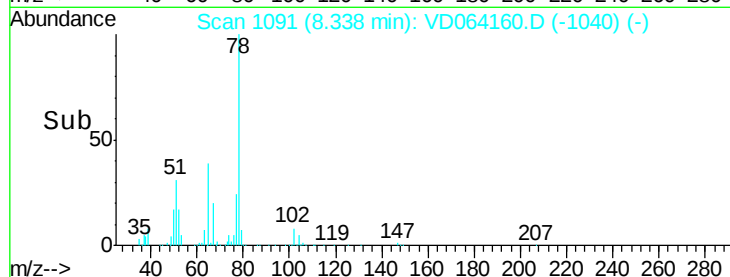
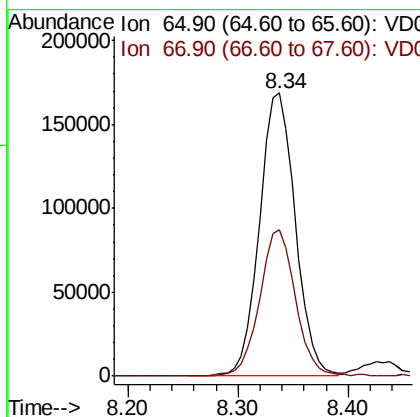
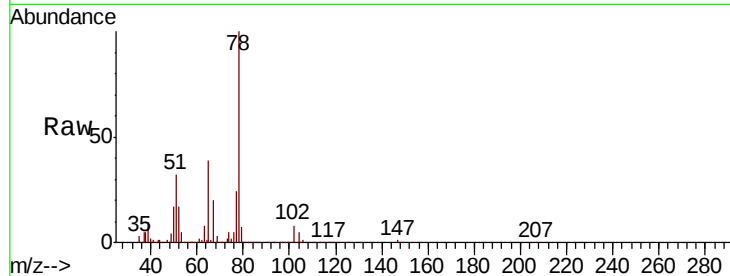
#33
 1,2-Dichloroethane-d4
 Concen: 48.831 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110819

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	104.4	

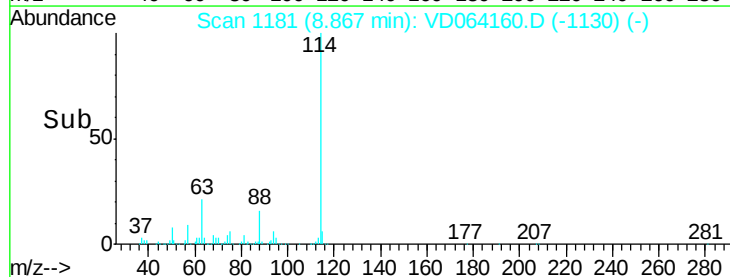
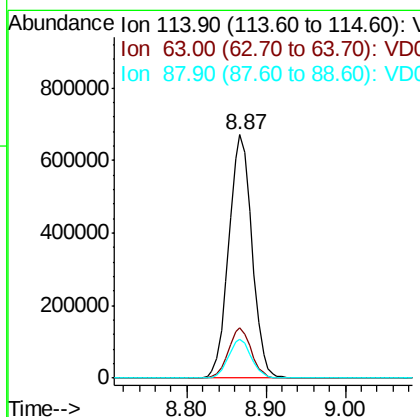
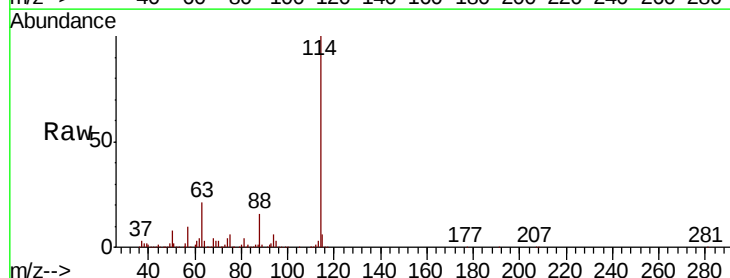
Manual Integrations
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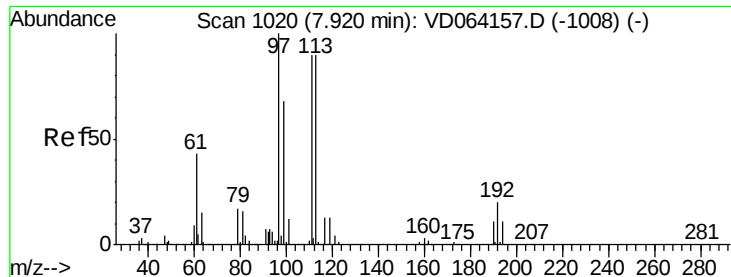
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 11/13/2019 11:14:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.8	0.0	40.0	
88	15.9	0.0	30.2	





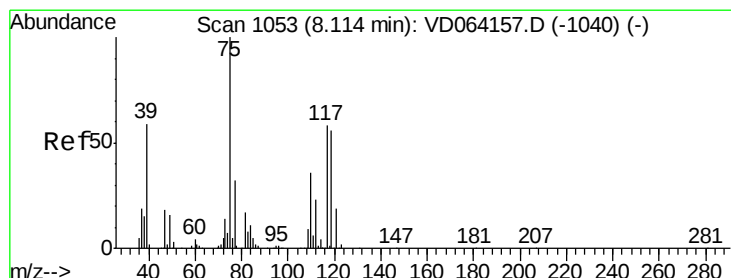
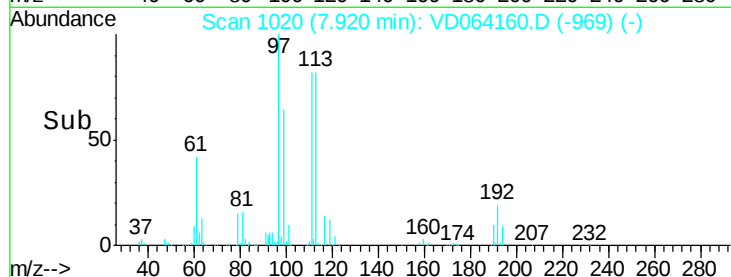
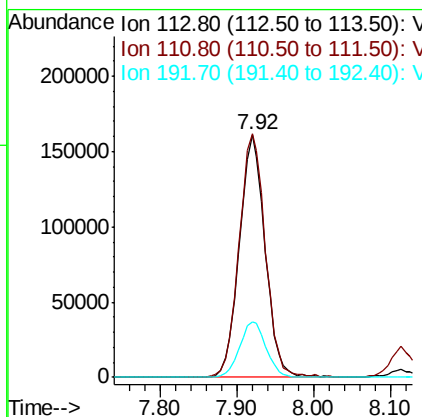
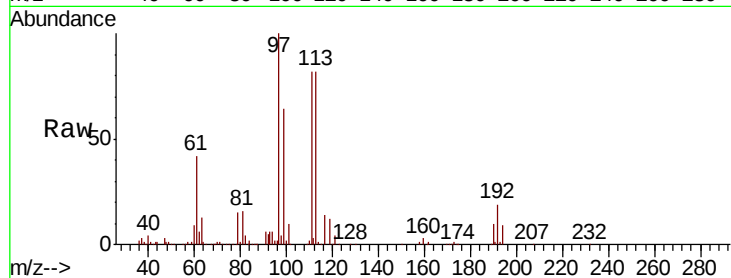
#35
 Dibromofluoromethane
 Concen: 48.426 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110819

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.5	122.3
192	23.6	18.8	28.2

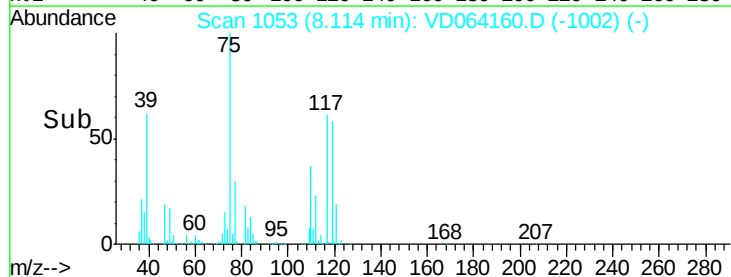
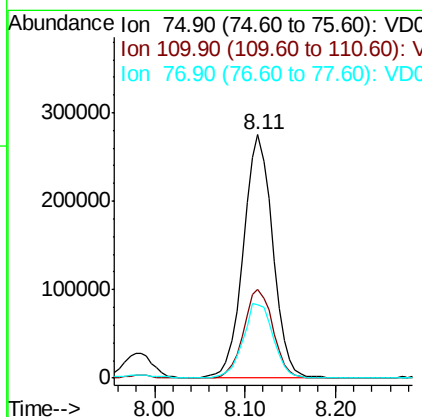
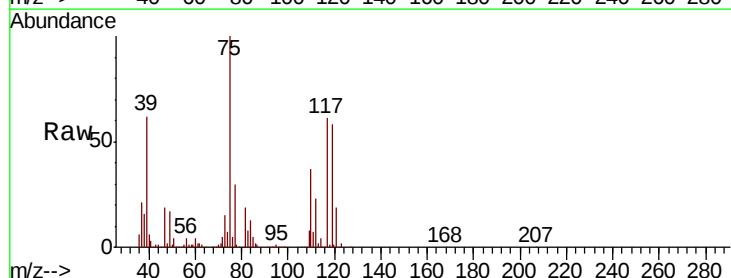
Manual Integrations
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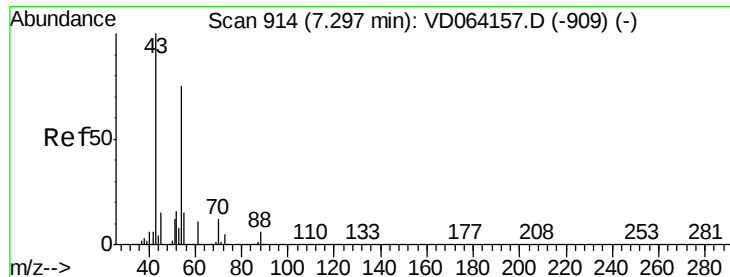
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#36
 1,1-Dichloropropene
 Concen: 49.083 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.3	54.9
77	31.7	25.0	37.6





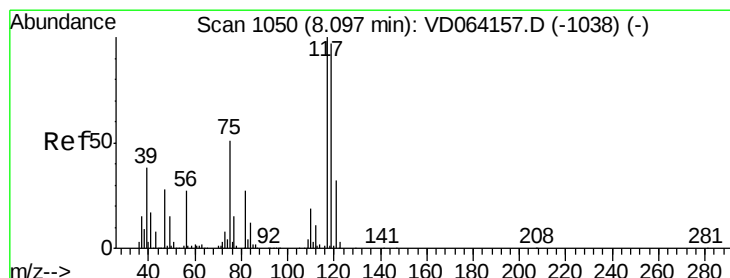
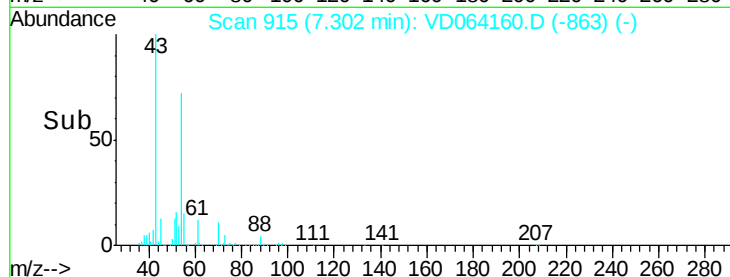
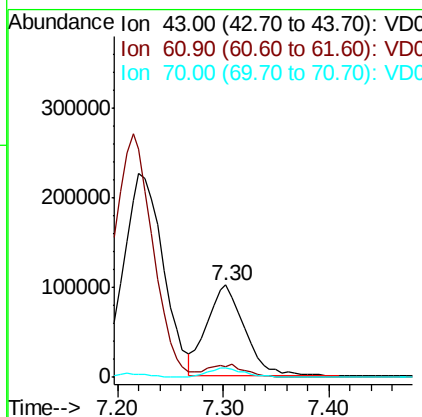
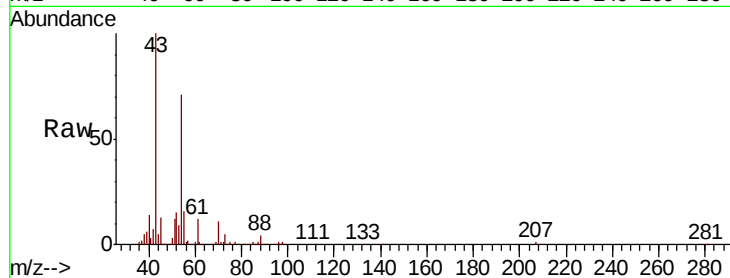
#37
Ethyl Acetate
Concen: 48.044 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.2	15.2
70	9.7	8.5	12.7

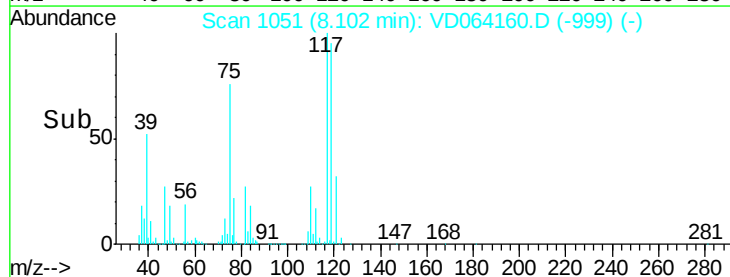
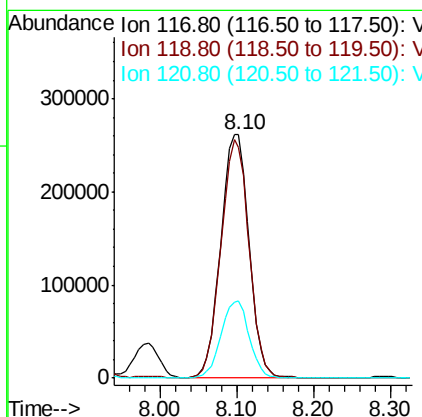
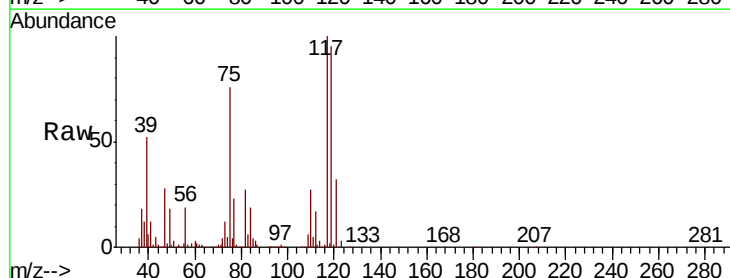
Manual Integrations
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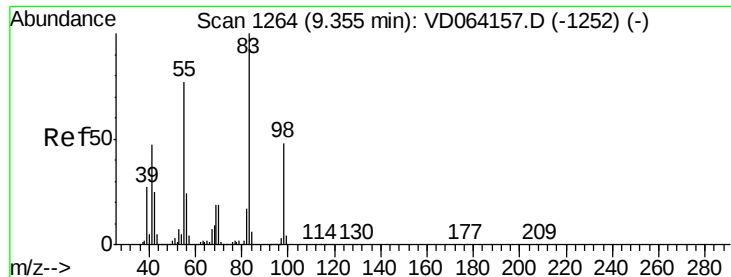
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#38
Carbon Tetrachloride
Concen: 49.749 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.2	115.8
121	31.6	25.5	38.3





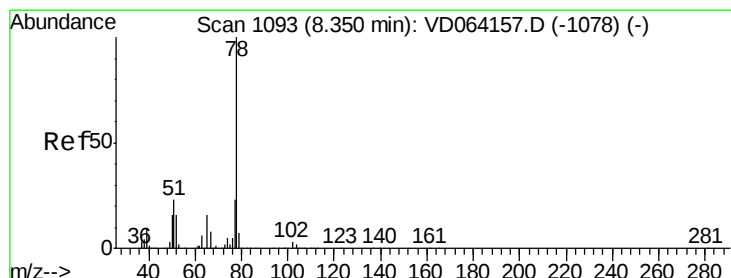
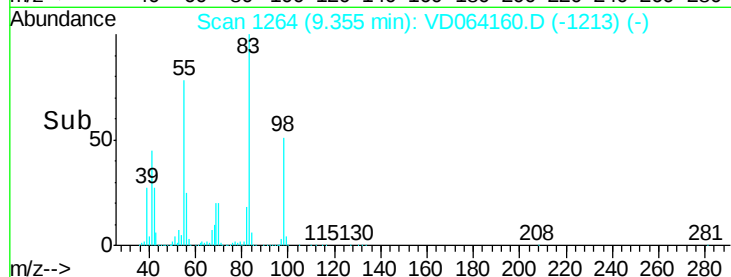
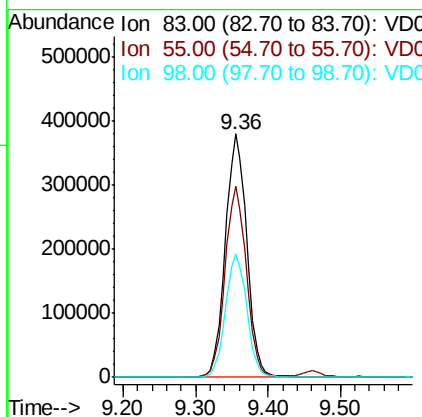
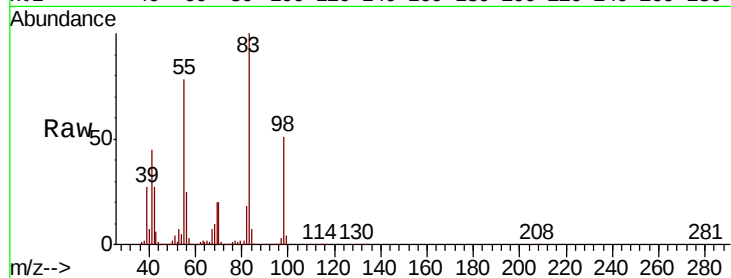
#39
Methvlcvclohexane
Concen: 49.387 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.7	92.5
98	50.9	38.6	58.0

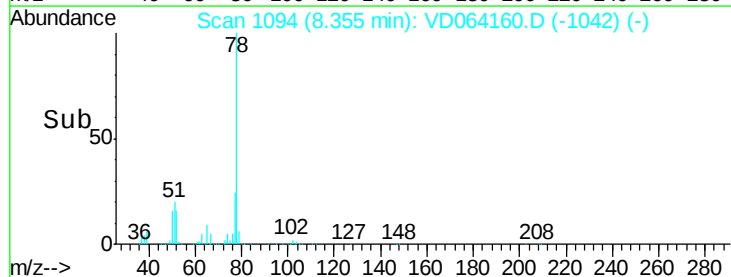
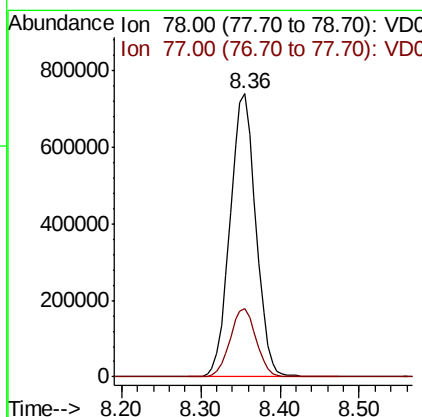
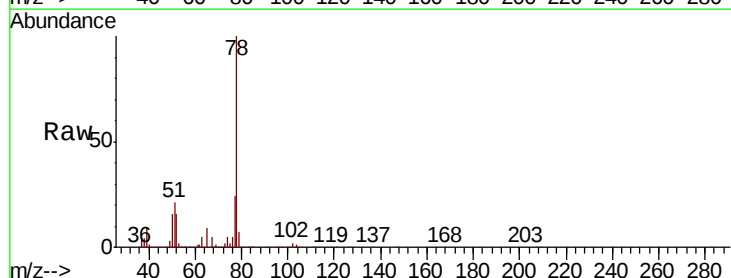
Manual Integrations
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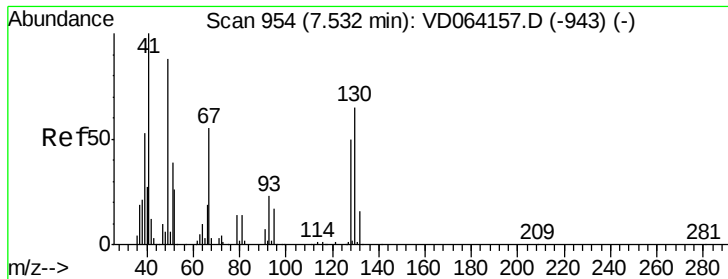
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#40
Benzene
Concen: 48.671 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





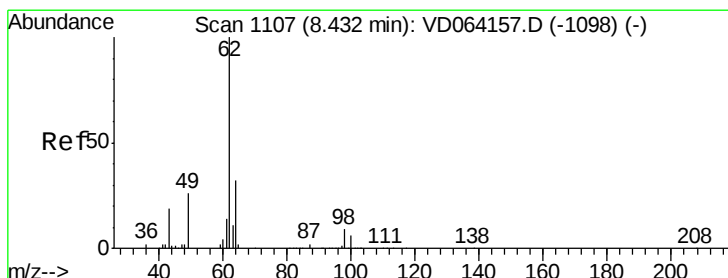
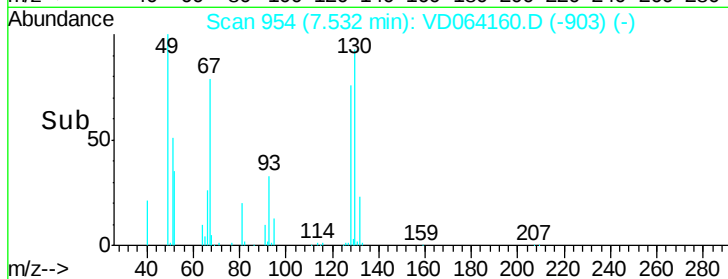
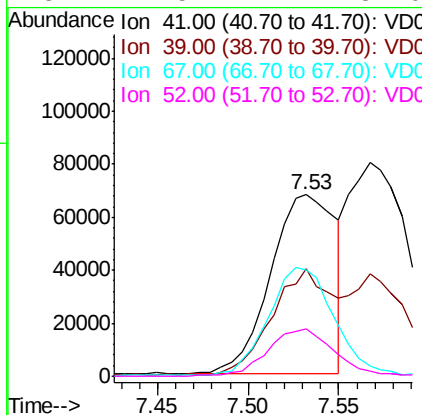
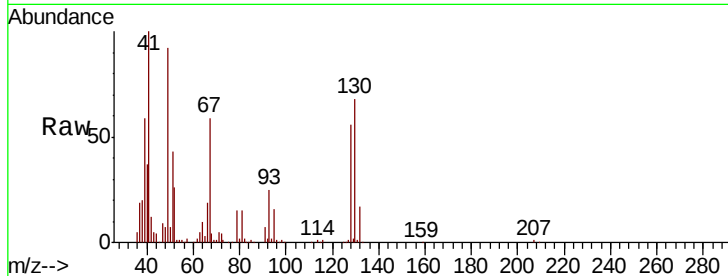
#41
Methacrylonitrile
Concen: 50.804 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	49.4	74.2	
67	60.9	49.6	74.4	
52	27.5	21.4	32.0	

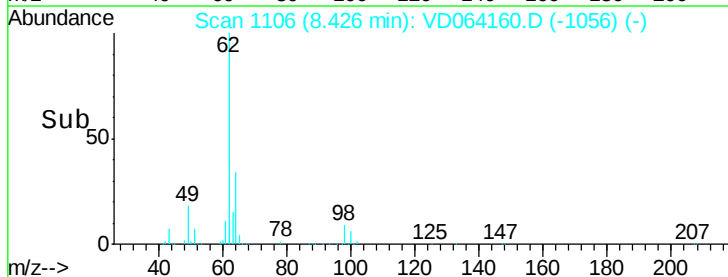
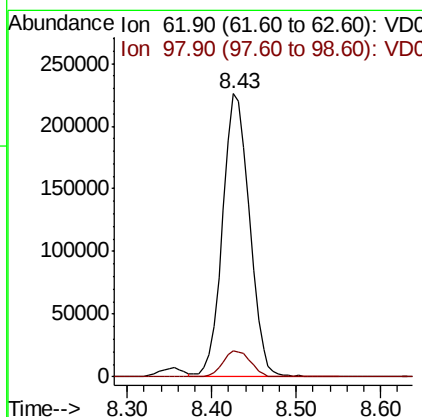
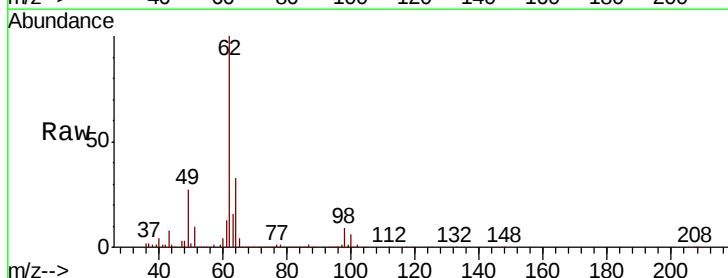
Manual Integrations
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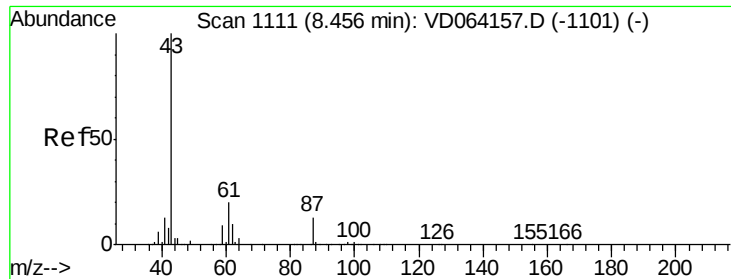
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#42
1,2-Dichloroethane
Concen: 48.372 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	19.0	





#43

Isopropyl Acetate

Concen: 49.068 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

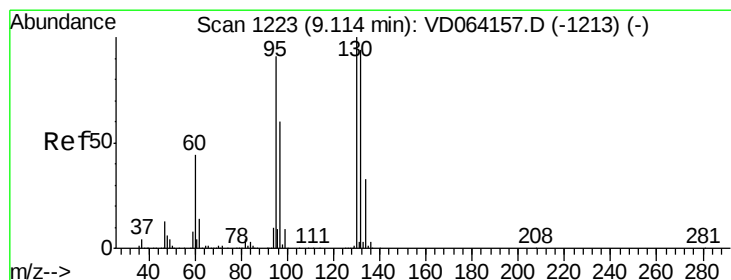
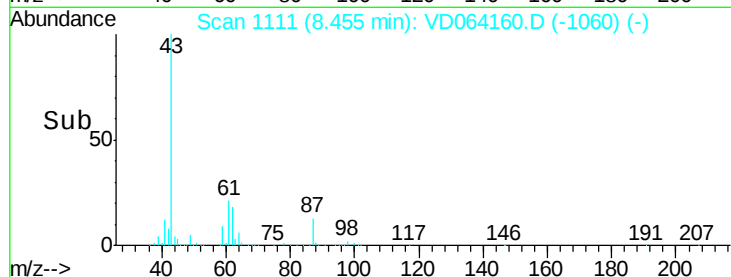
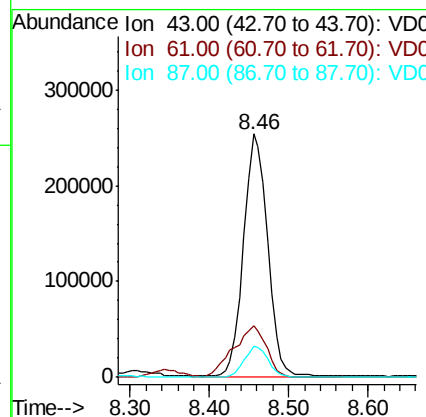
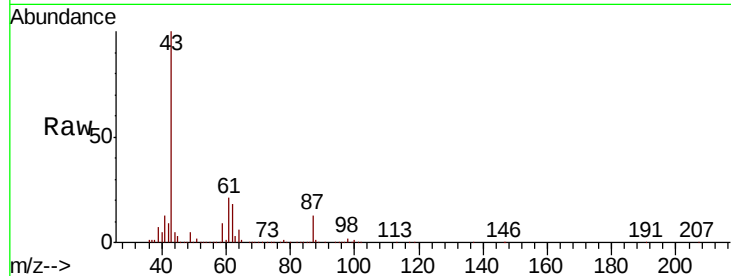
ClientSampleId :

ICVVD110819

Tot Ion:	43	Resp:	534336
Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.9	34.3
87	12.8	10.2	15.2

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#44

Trichloroethene

Concen: 48.872 ug/l

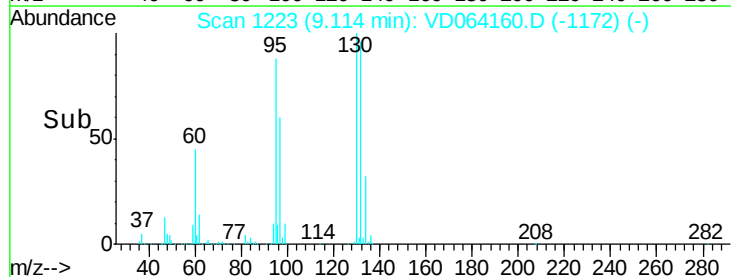
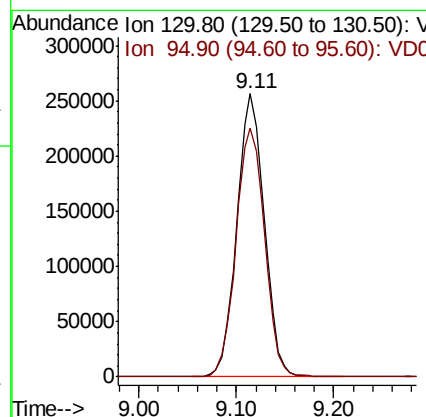
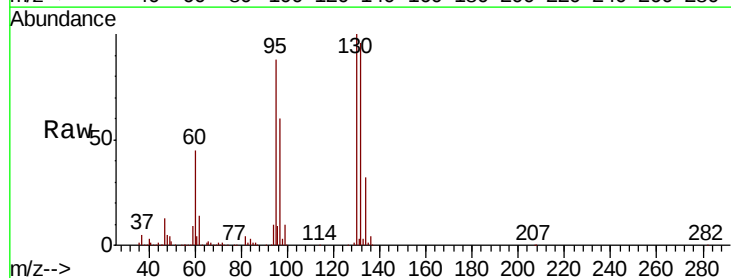
RT: 9.11 min Scan# 1223

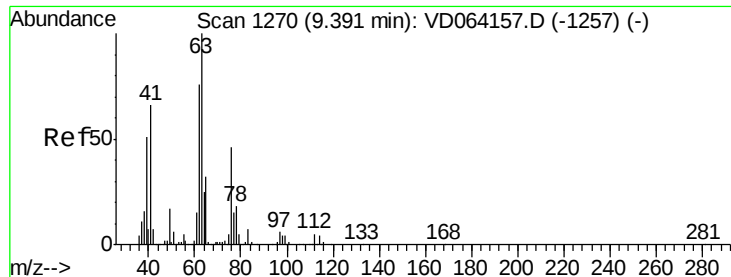
Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Tgt Ion:	130	Resp:	502584
Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	181.6





#45

1,2-Dichloropropane

Concen: 48.868 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110819

Tot Ion: 63 Resp: 407541

Ion Ratio Lower Upper

63 100

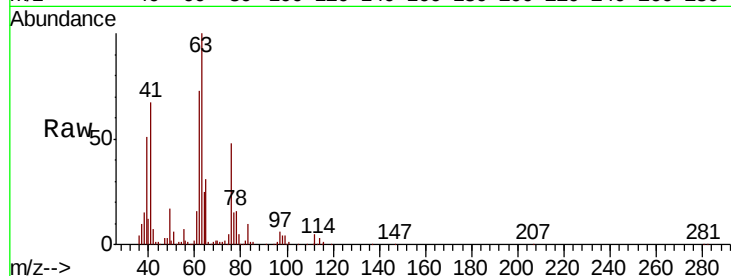
65 30.5 25.7 38.5

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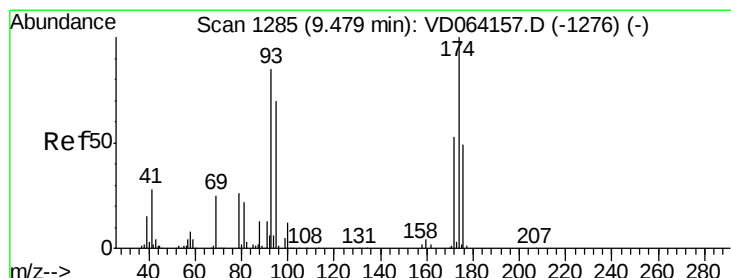
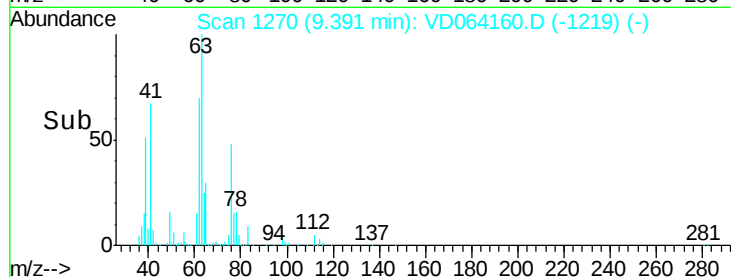
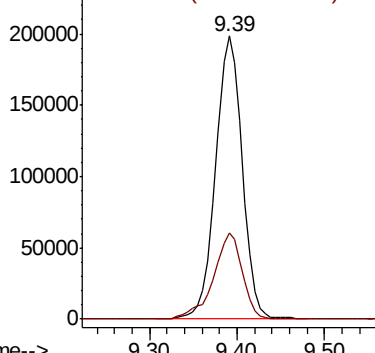
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.071 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

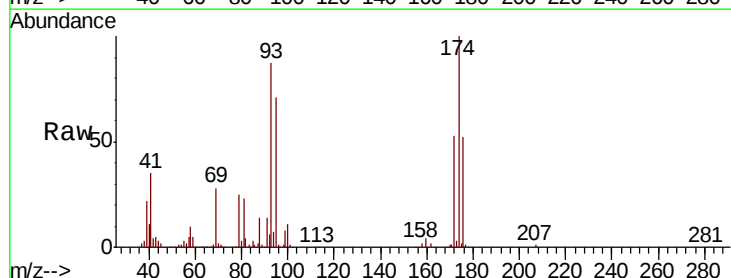
Tgt Ion: 93 Resp: 214622

Ion Ratio Lower Upper

93 100

95 82.3 65.5 98.3

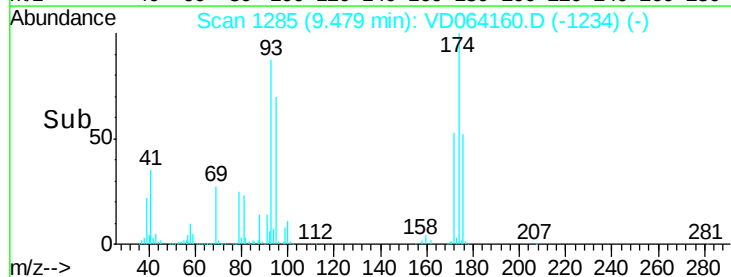
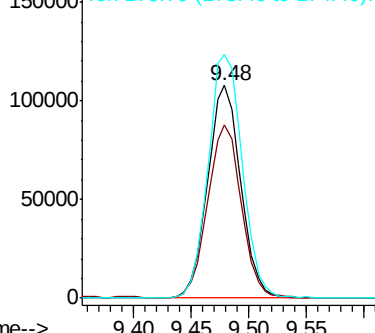
174 118.7 93.9 140.9

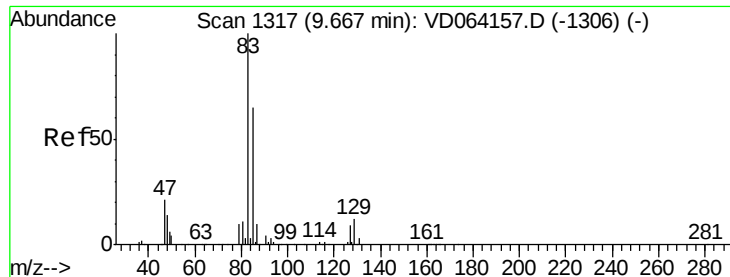


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.735 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

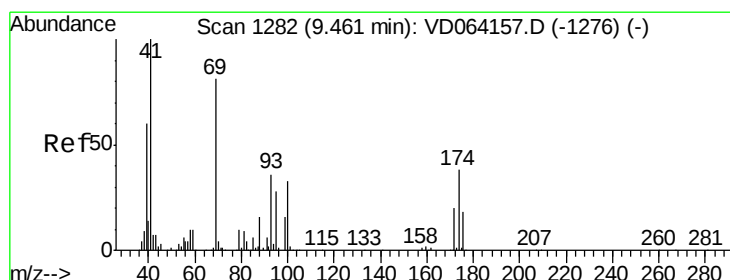
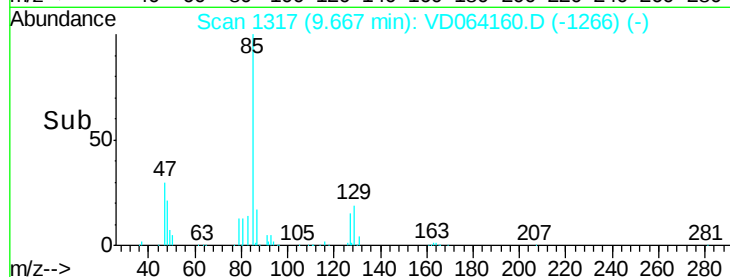
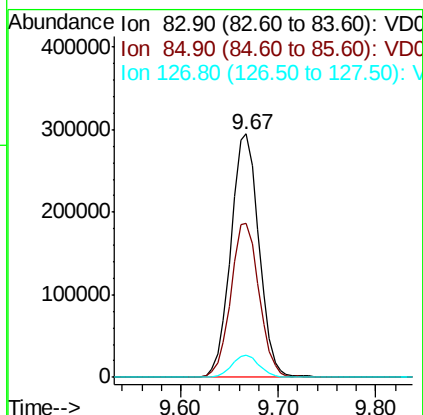
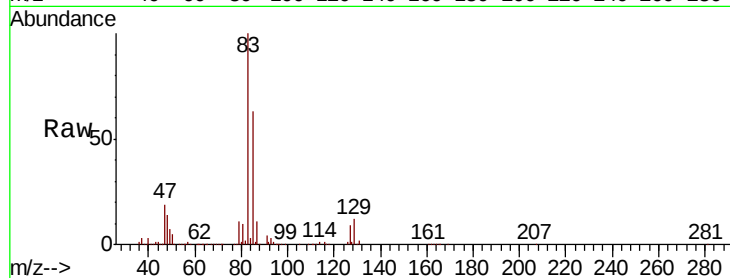
ClientSampleId :

ICVVD110819

Tot Ion:	83	Resp:	586095
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.2	78.4
127	9.1	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.440 ug/l

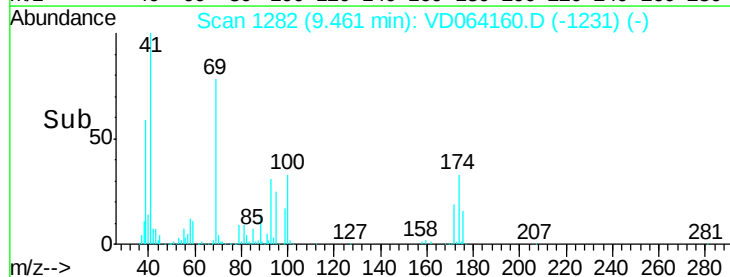
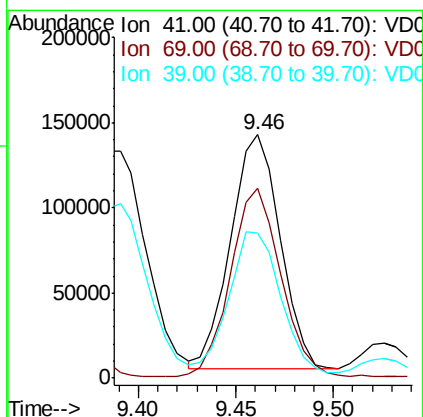
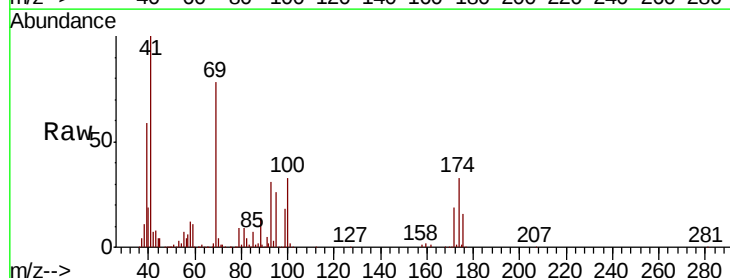
RT: 9.46 min Scan# 1282

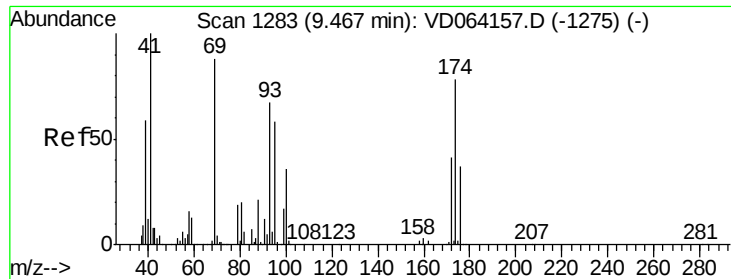
Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Tgt Ion:	41	Resp:	241962
Ion Ratio	Lower	Upper	
41	100		
69	83.3	64.6	97.0
39	61.8	48.2	72.2





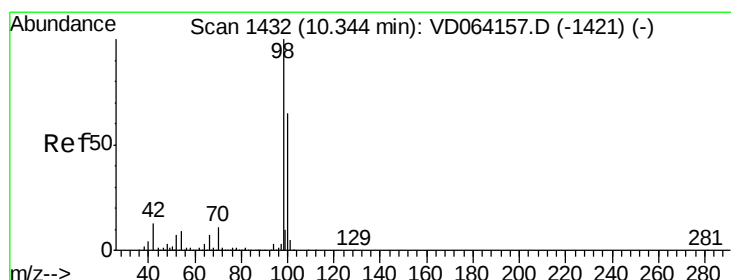
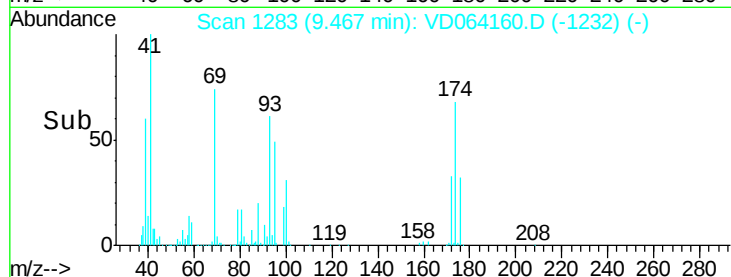
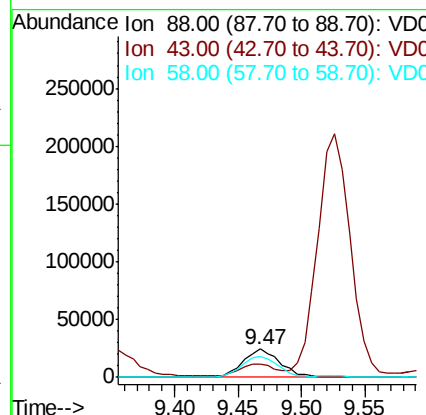
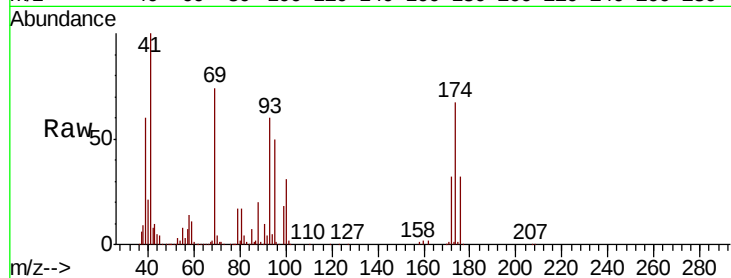
#49
1,4-Dioxane
Concen: 933.759 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion	88	Resp	50069
Ion	Ratio	Lower	Upper
88	100		
43	40.1	29.8	44.8
58	73.7	58.1	87.1

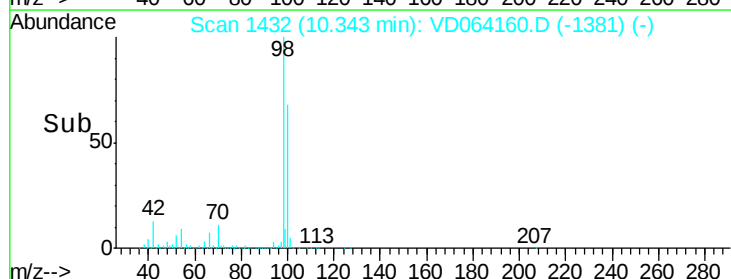
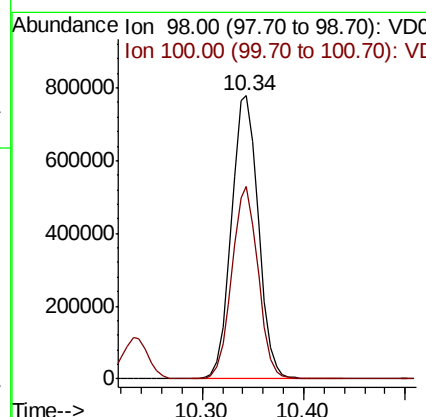
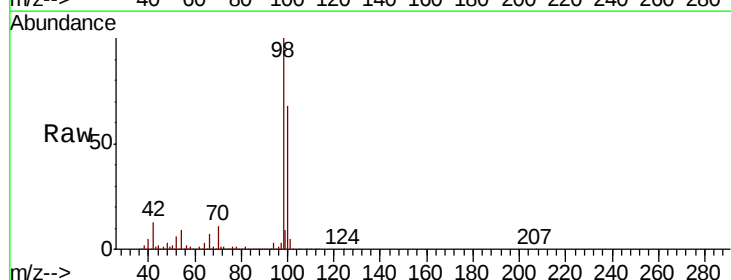
Manual Integrations
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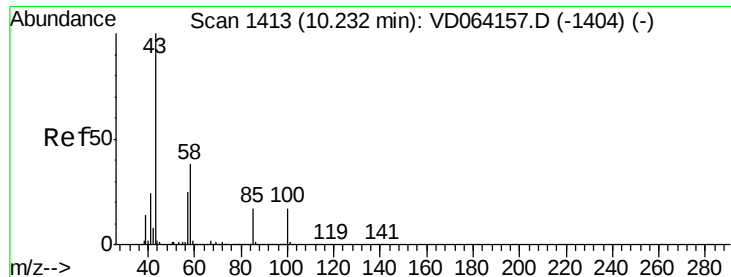
MMDadoda
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#50
Toluene-d8
Concen: 48.795 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	98	Resp	1435308
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 240.524 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110819

Tot Ion: 43 Resp: 1256049

Ion Ratio Lower Upper

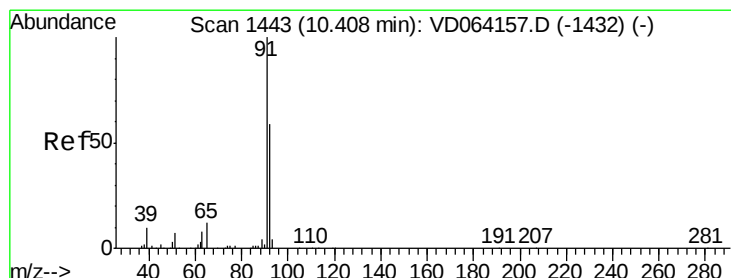
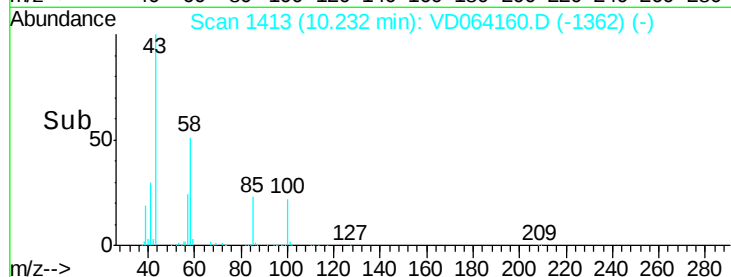
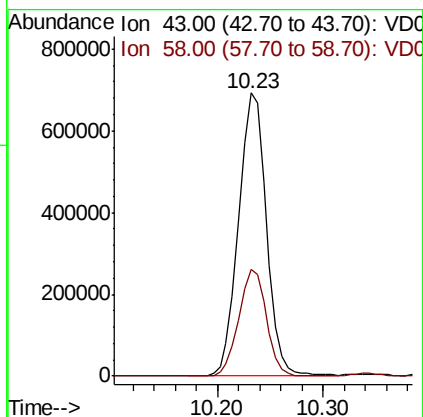
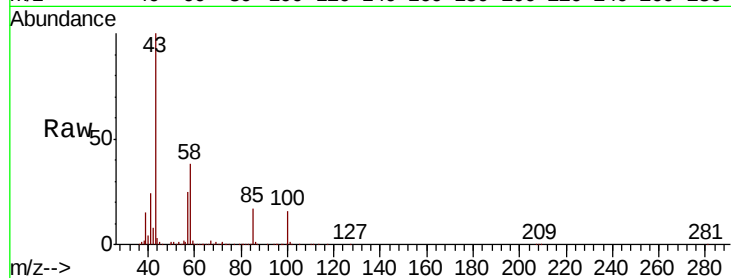
43 100

58 37.7 30.2 45.4

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#52

Toluene

Concen: 48.467 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064160.D

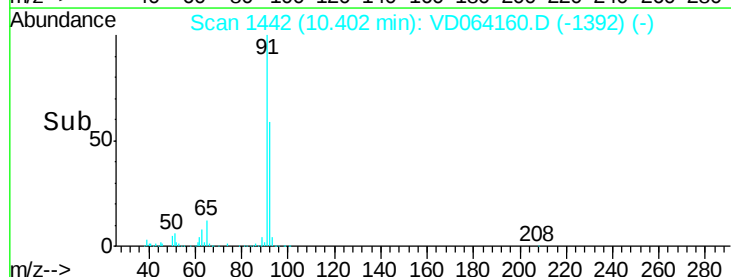
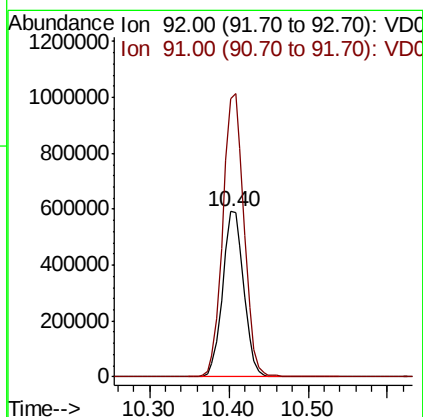
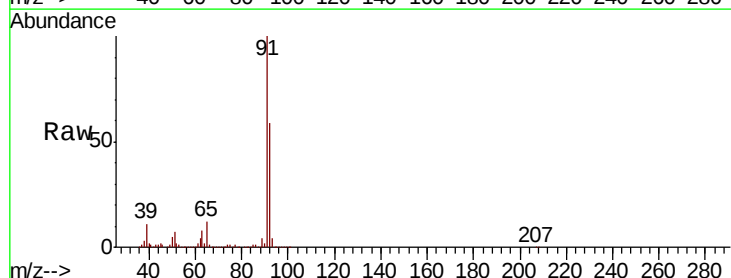
Acq: 08 Nov 2019 16:53

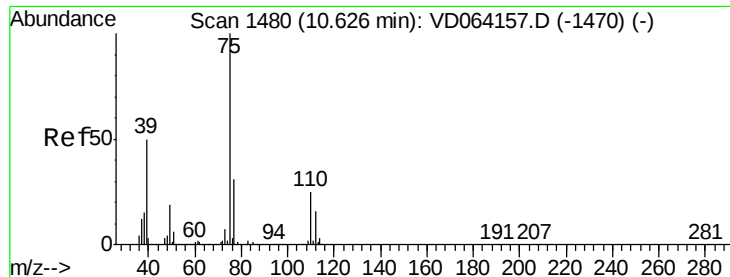
Tgt Ion: 92 Resp: 1091982

Ion Ratio Lower Upper

92 100

91 171.8 136.4 204.6





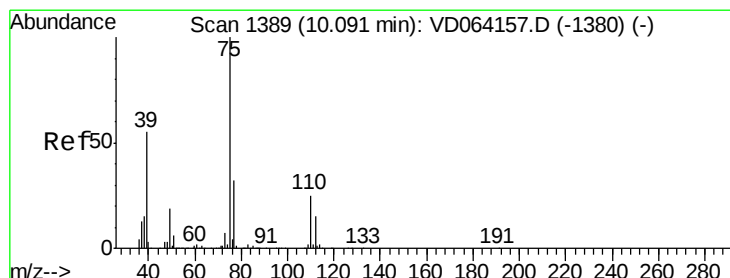
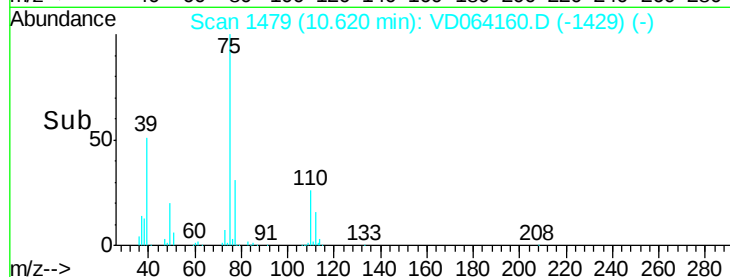
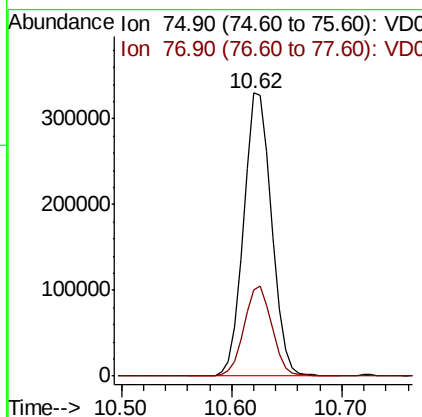
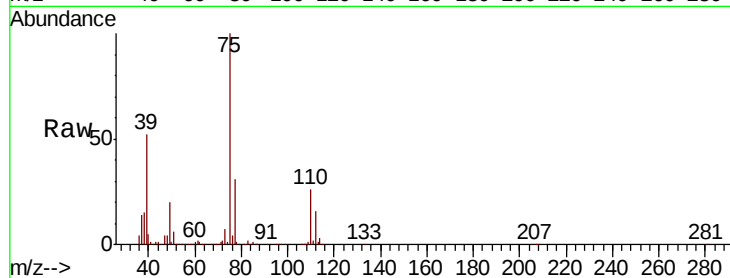
#53
t-1,3-Dichloropropene
Concen: 49.018 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.7	37.1

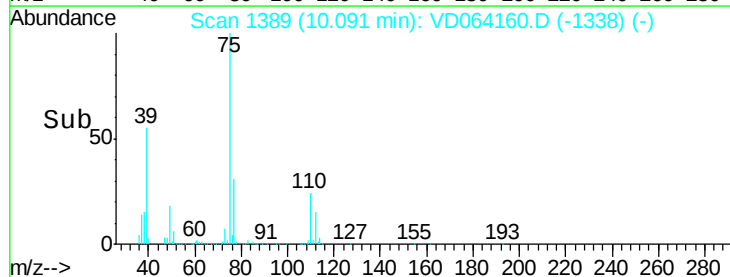
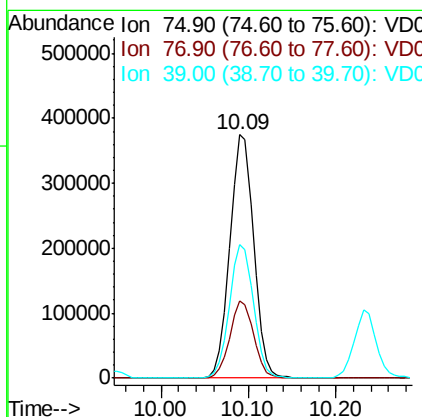
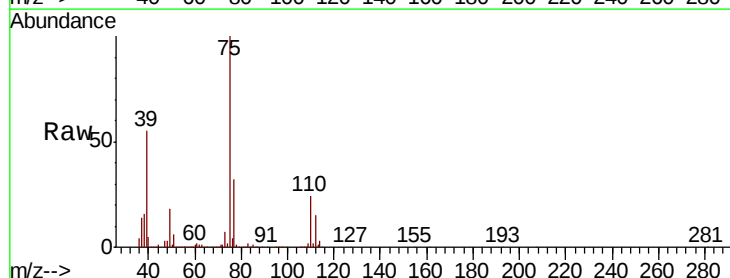
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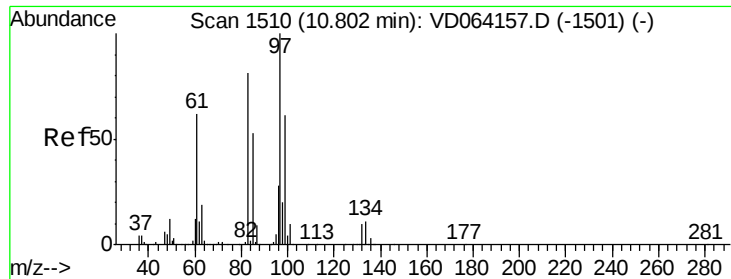
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.100 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	54.8	44.2	66.2





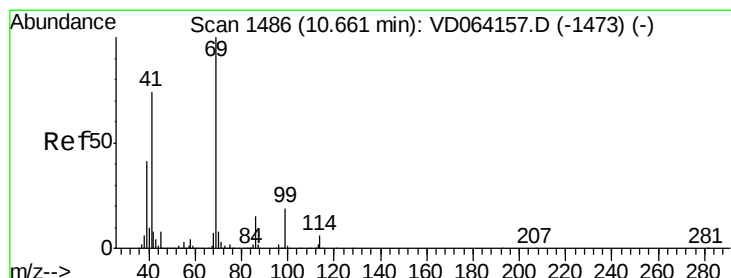
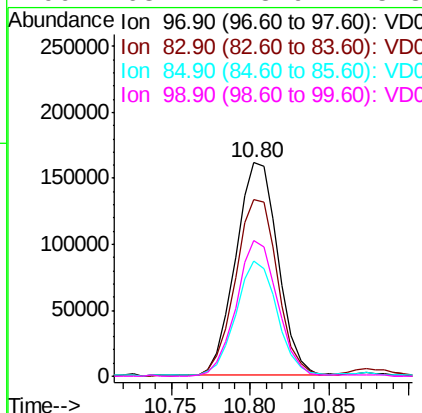
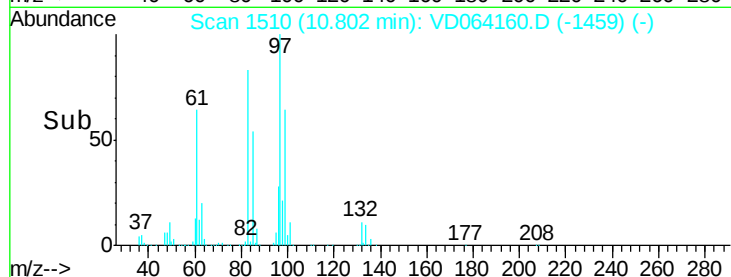
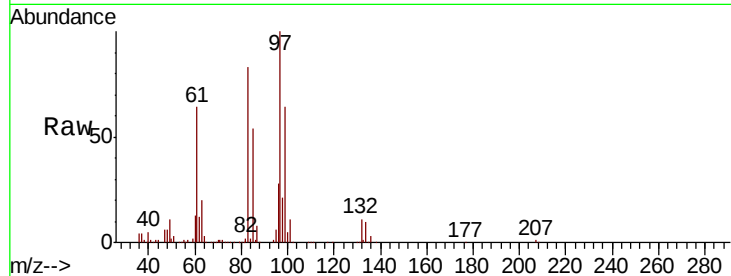
#55
 1,1,2-Trichloroethane
 Concen: 49.495 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110819

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		299774		
83	82.5	65.1	97.7		
85	53.6	42.0	63.0		
99	63.7	48.9	73.3		

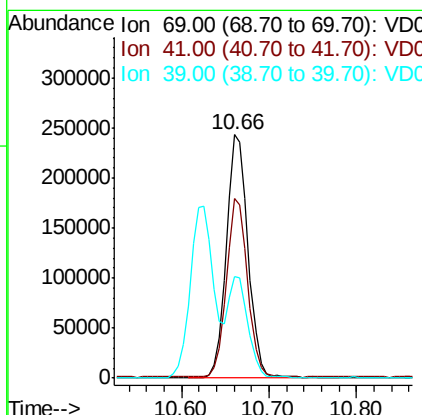
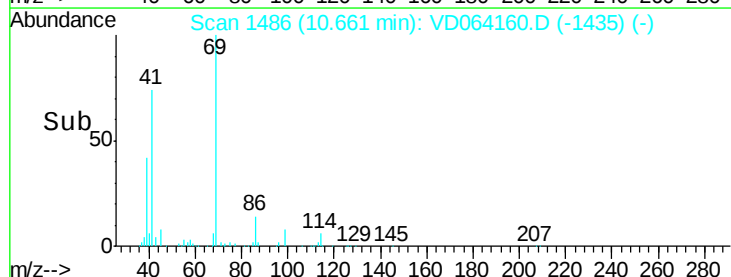
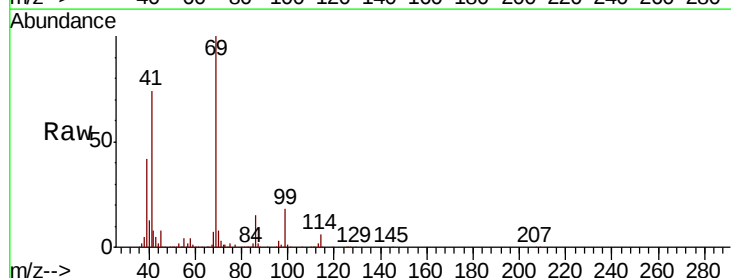
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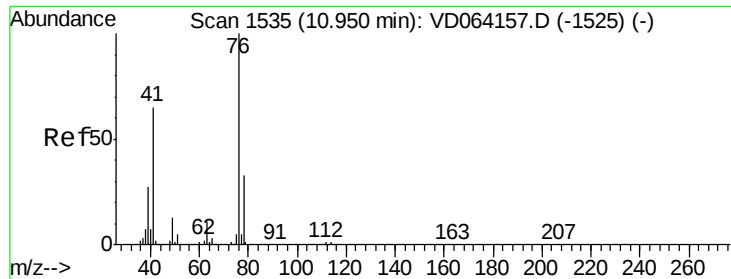
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#56
 Ethyl methacrylate
 Concen: 48.610 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		411847		
41	71.8	57.9	86.9		
39	35.6	29.0	43.4		





#57

1,3-Dichloropropane

Concen: 49.126 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110819

Tot Ion: 76 Resp: 518918

Ion Ratio Lower Upper

76 100

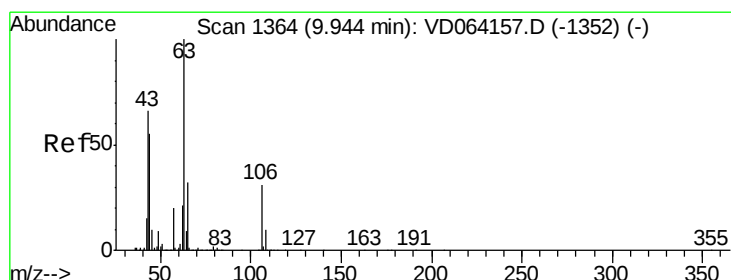
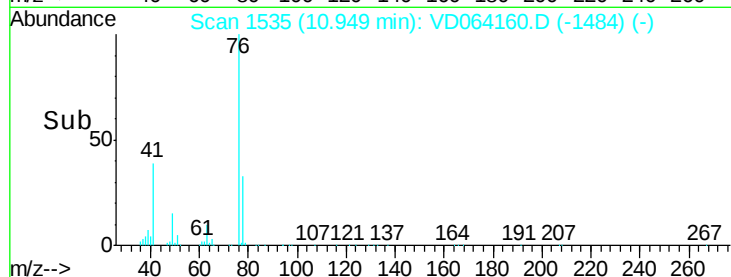
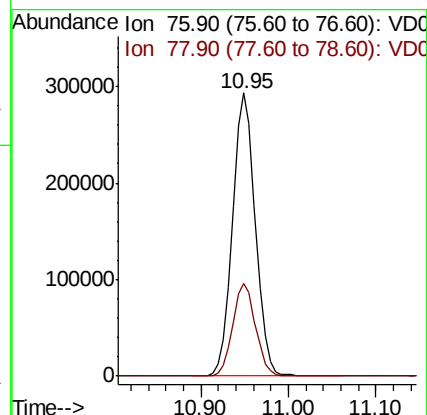
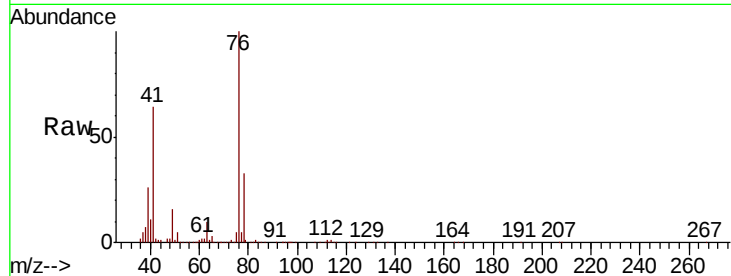
78 32.9 26.2 39.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 239.976 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064160.D

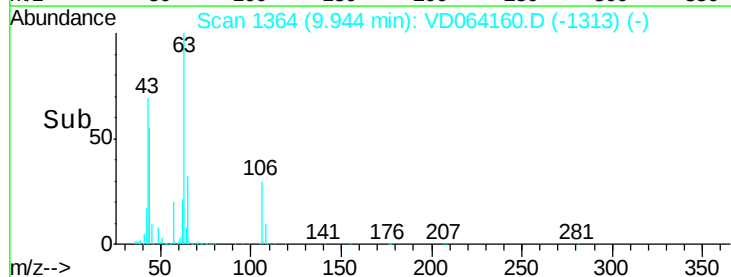
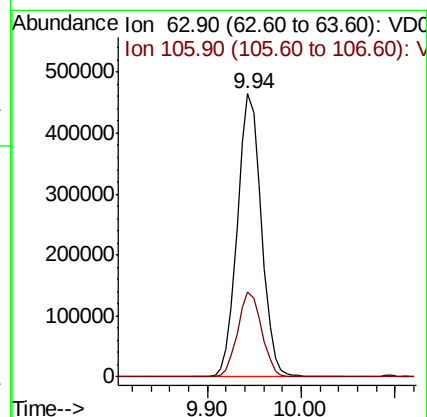
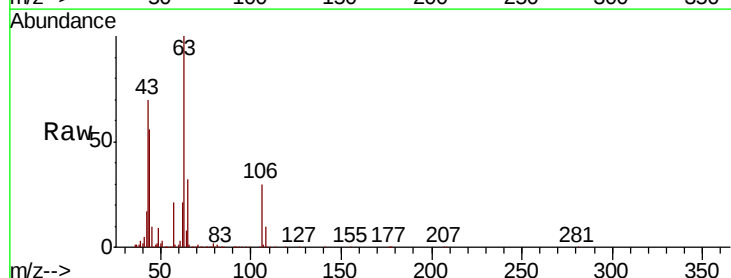
Acq: 08 Nov 2019 16:53

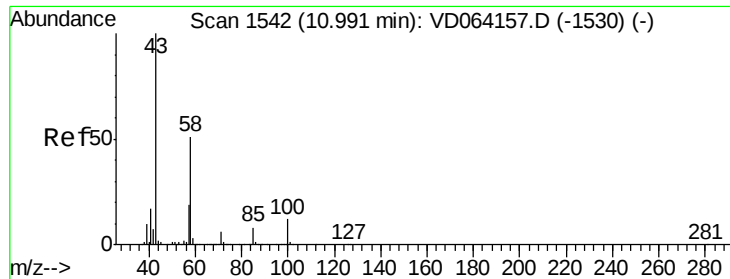
Tgt Ion: 63 Resp: 823597

Ion Ratio Lower Upper

63 100

106 30.2 24.1 36.1





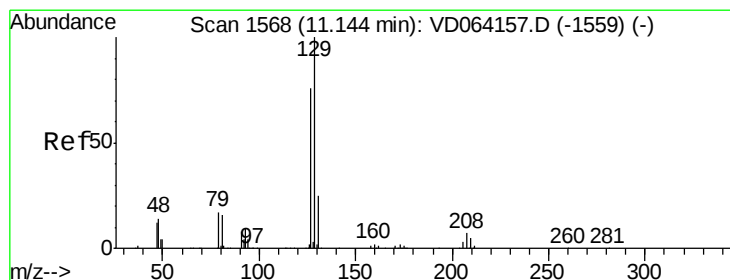
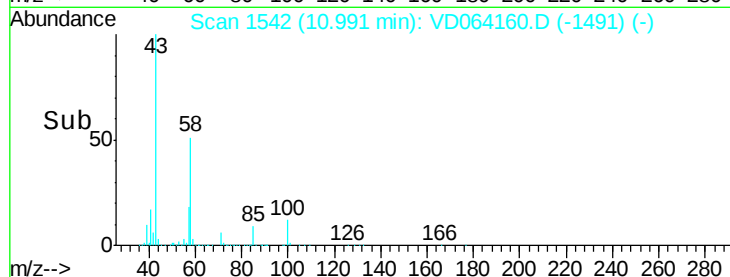
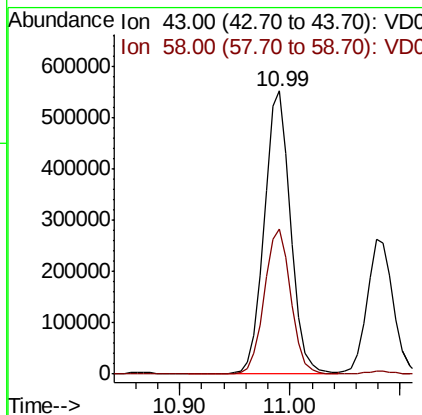
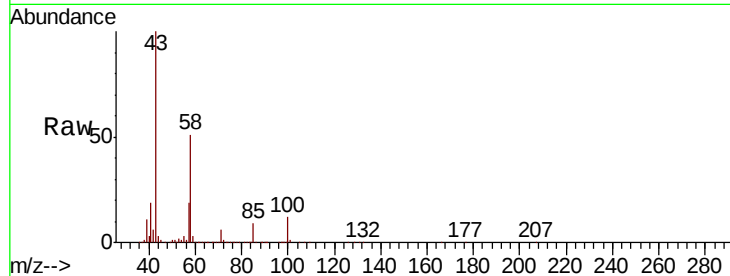
#59
2-Hexanone
Concen: 246.266 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion: 43 Resp: 914940
Ion Ratio Lower Upper
43 100
58 52.2 25.9 77.7

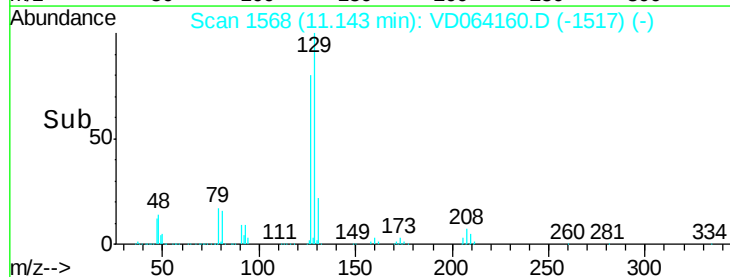
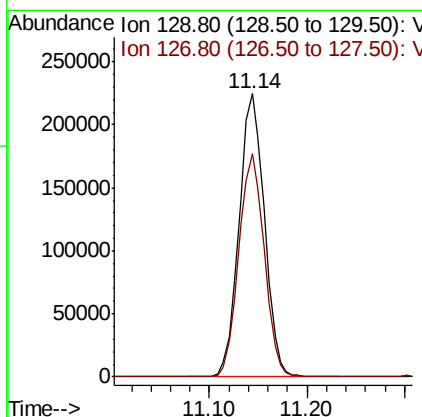
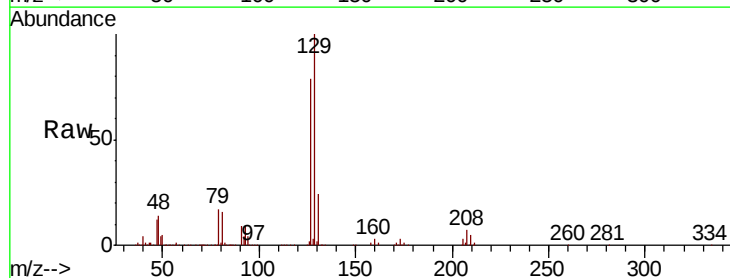
Manual Integrations
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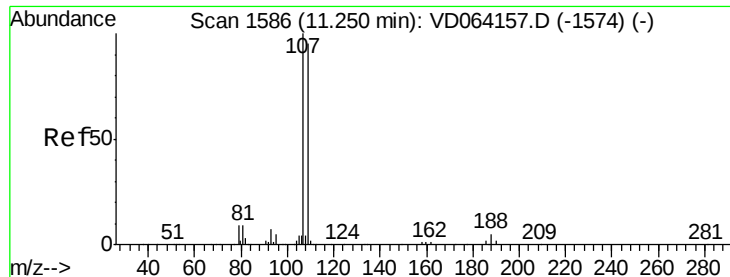
MMDadoda
11/13/2019 11:14:56 AM



#60
Dibromochloromethane
Concen: 47.999 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion: 129 Resp: 405653
Ion Ratio Lower Upper
129 100
127 79.0 38.6 115.8





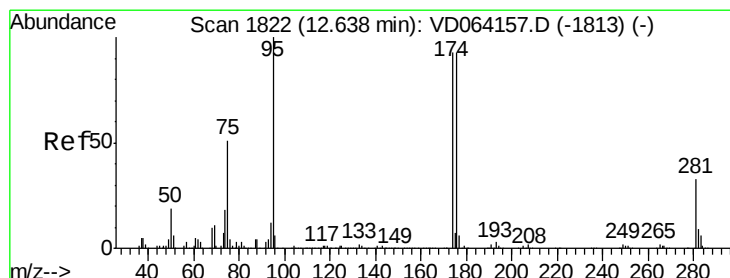
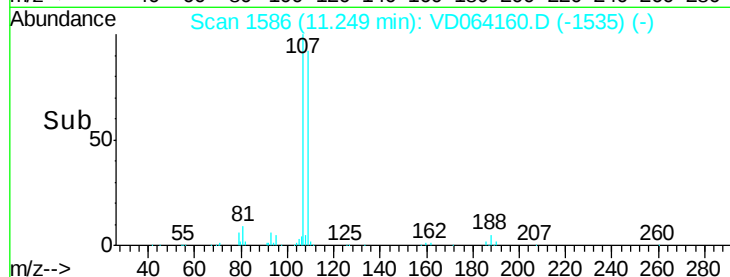
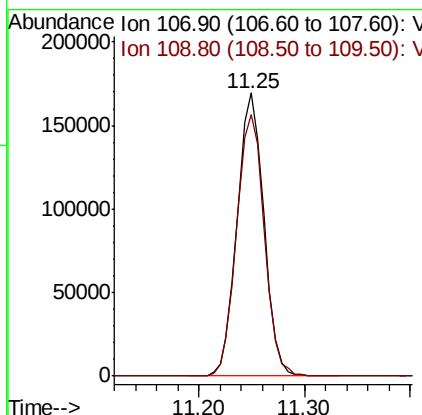
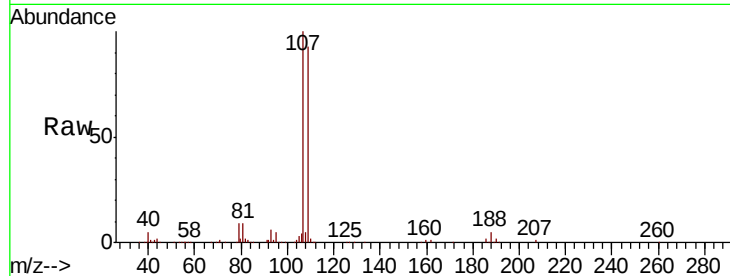
#61
 1,2-Dibromoethane
 Concen: 48.845 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110819

Tot Ion	Ratio	Resp	Lower	Upper
107	100	296312		
109	95.5	75.1	112.7	

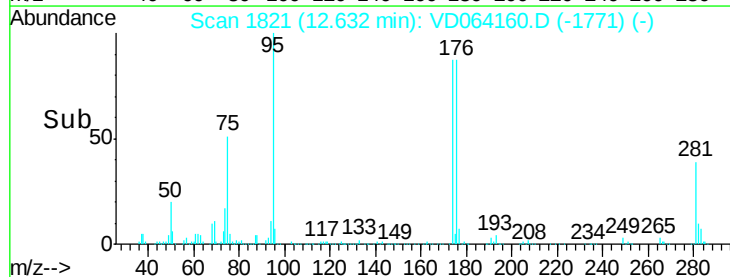
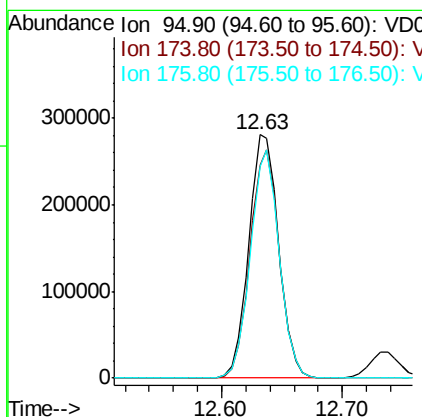
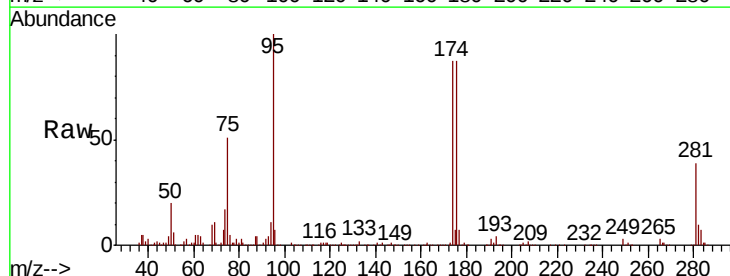
Manual Integrations
 APPROVED

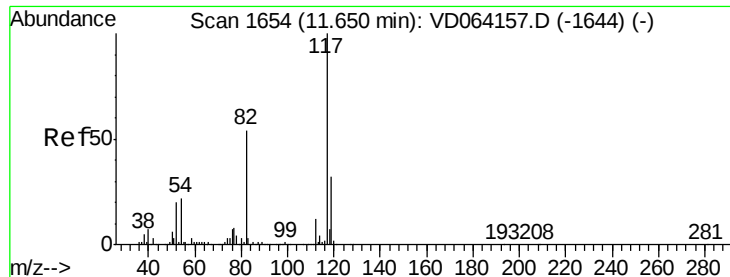
MMDadoda
 11/13/2019 11:14:56 AM



#62
 4-Bromofluorobenzene
 Concen: 47.613 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	485020		
174	91.7	0.0	183.6	
176	90.0	0.0	180.2	





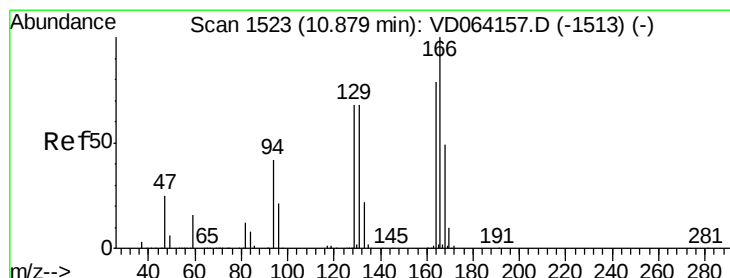
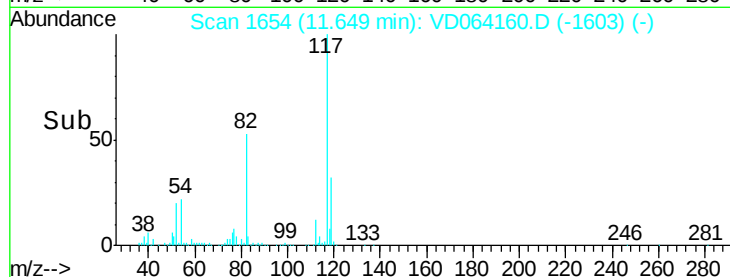
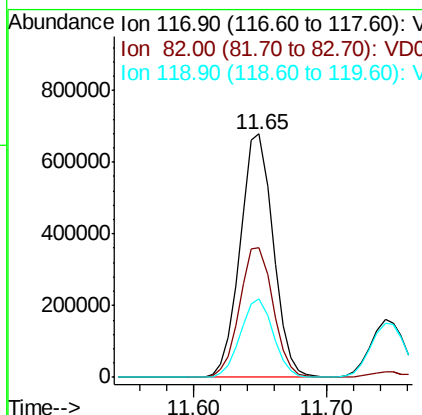
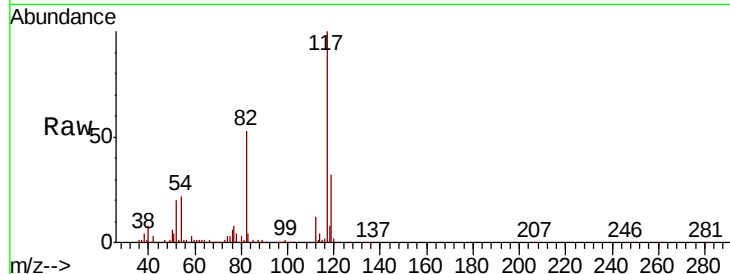
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.8	64.2
119	32.4	25.6	38.4

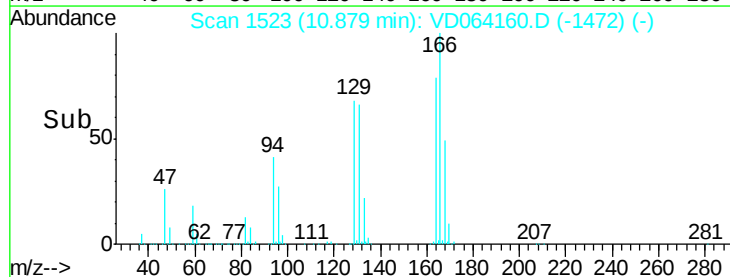
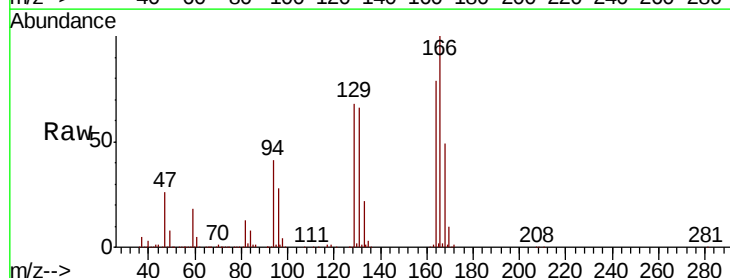
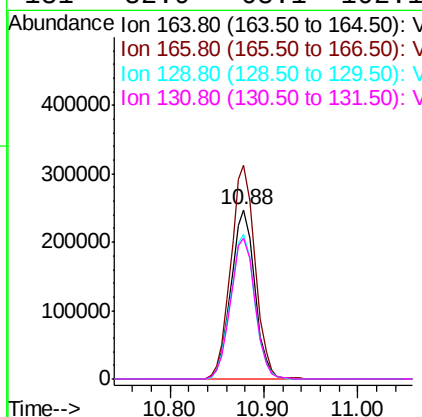
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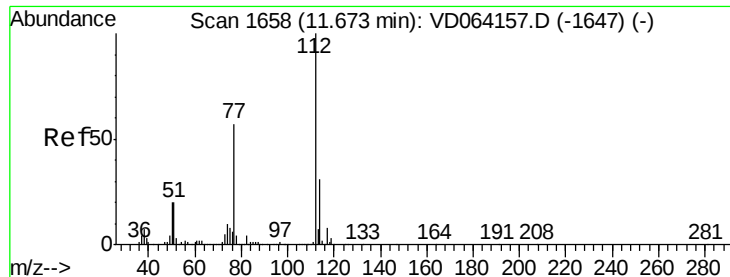
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#64
Tetrachloroethene
Concen: 48.583 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	100.8	151.2
129	85.8	68.7	103.1
131	82.9	68.1	102.1





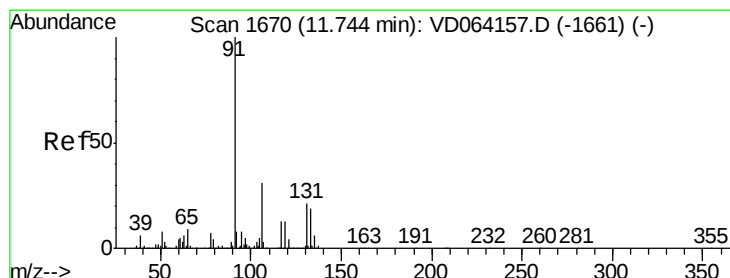
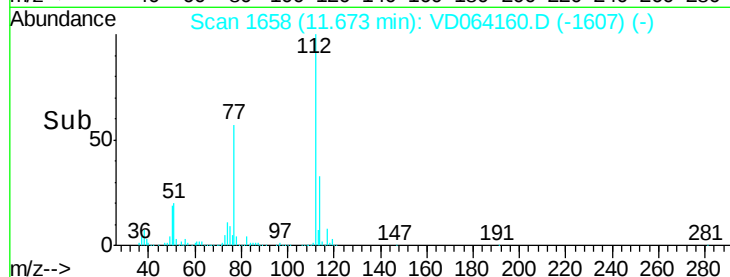
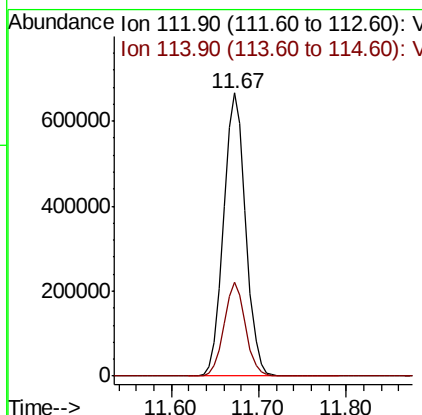
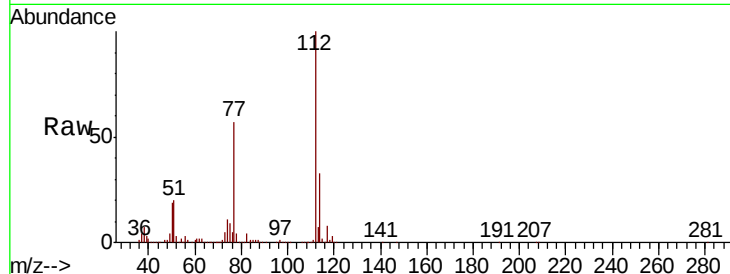
#65
Chlorobenzene
Concen: 48.768 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion:112 Resp: 1153868
Ion Ratio Lower Upper
112 100
114 33.1 25.2 37.8

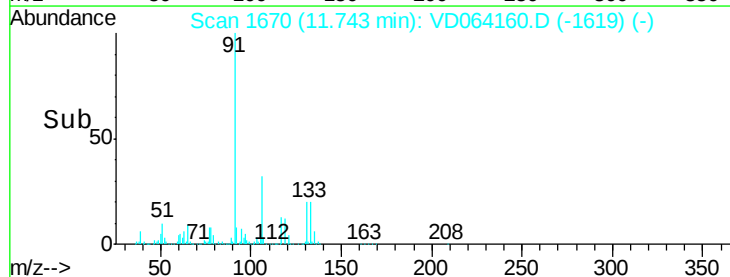
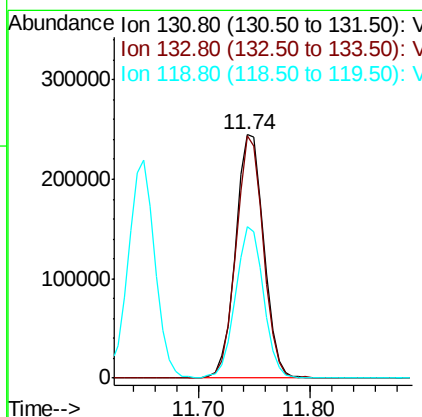
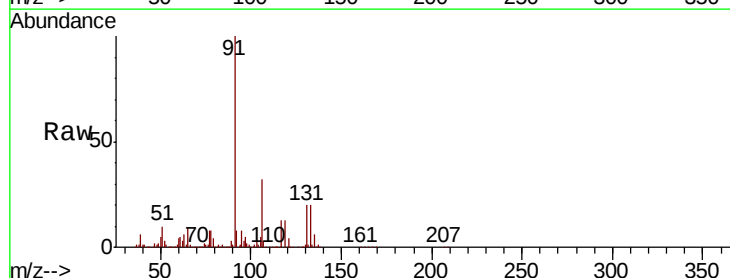
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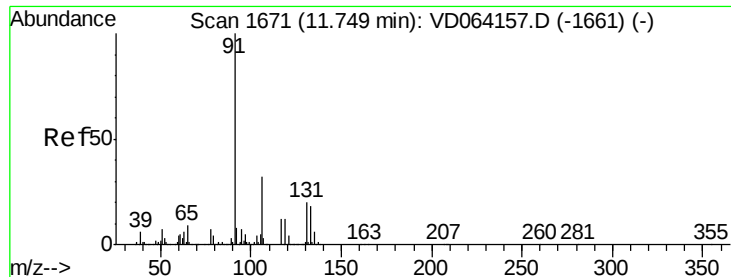
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.026 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion:131 Resp: 441070
Ion Ratio Lower Upper
131 100
133 95.9 47.3 141.9
119 61.8 31.1 93.3





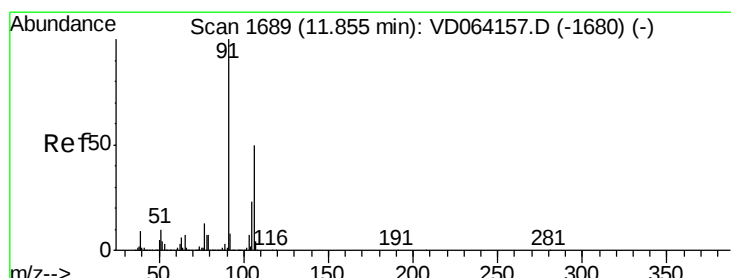
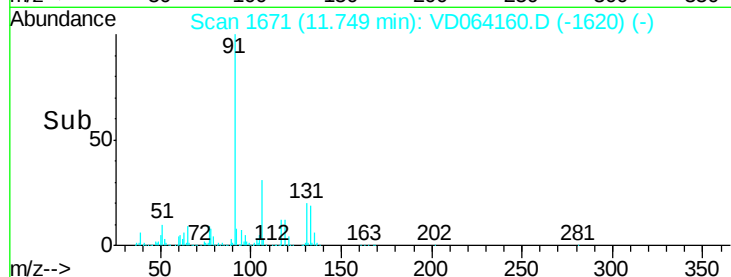
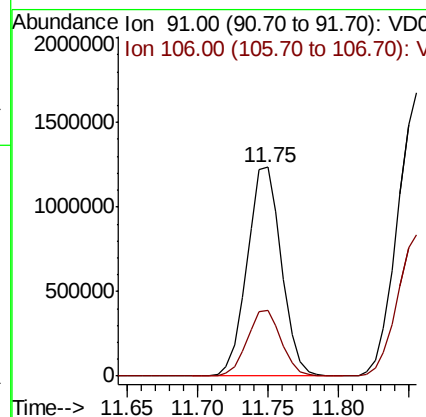
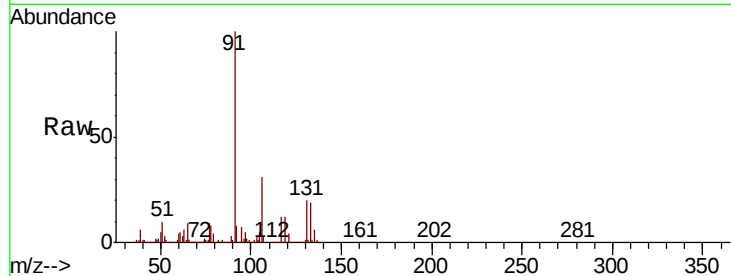
#67
Ethyl Benzene
Concen: 49.188 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion: 91 Resp: 2105099
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3

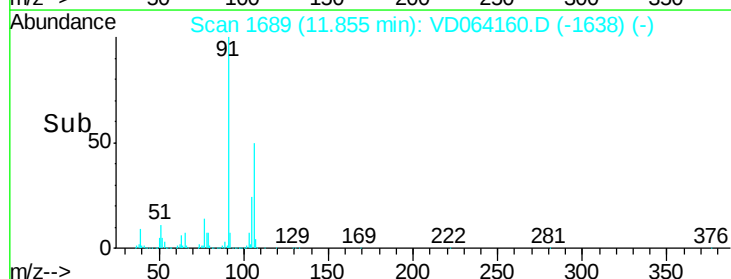
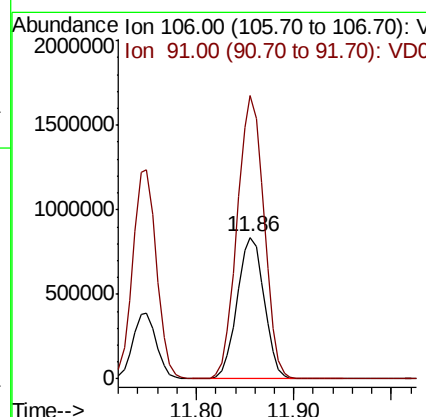
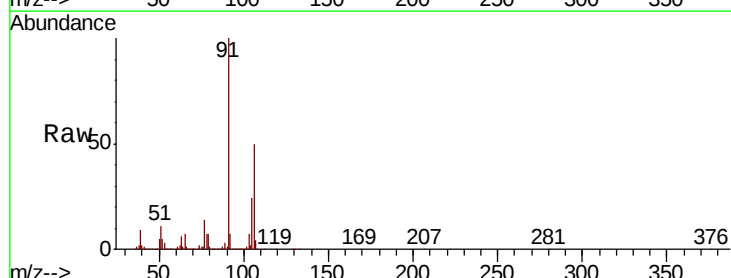
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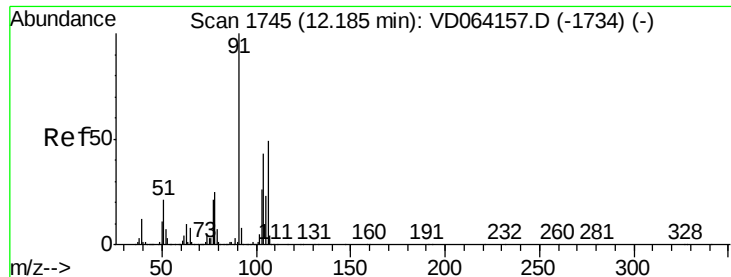
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#68
m/p-Xylenes
Concen: 98.294 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion: 106 Resp: 1612437
Ion Ratio Lower Upper
106 100
91 199.1 160.3 240.5





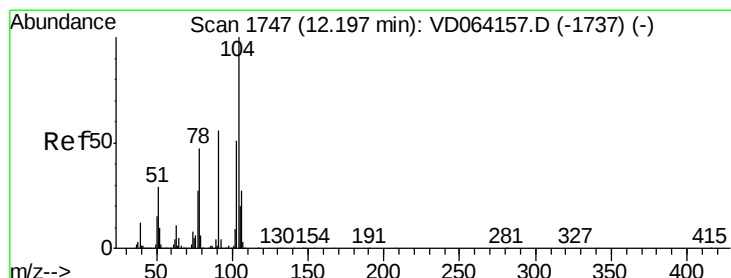
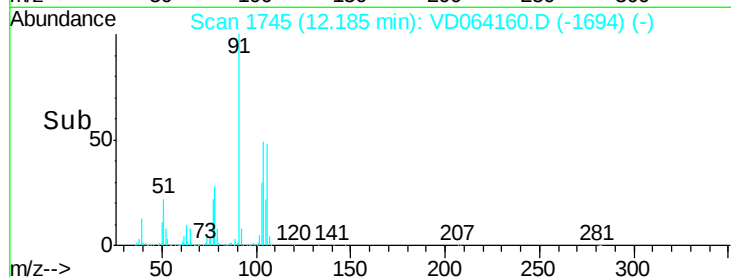
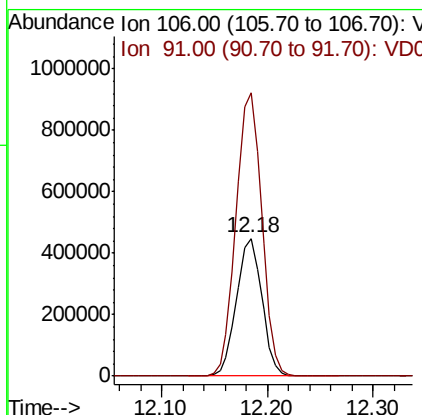
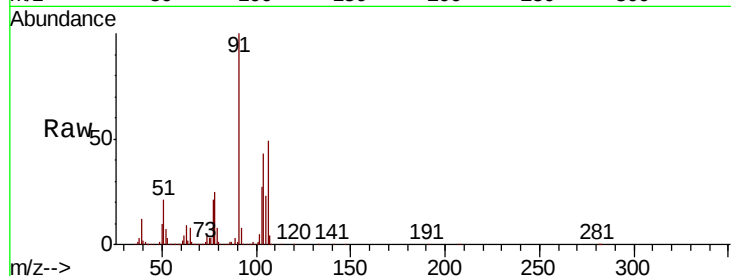
#69
o-Xylene
Concen: 48.962 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.1	105.1	315.3

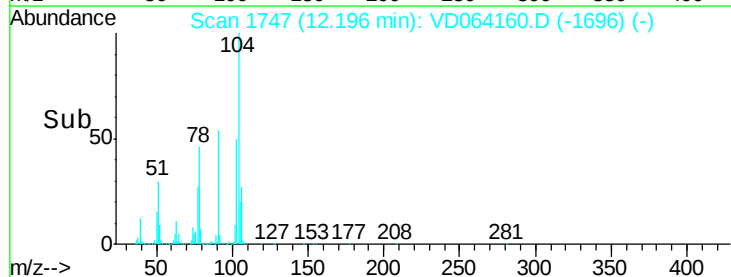
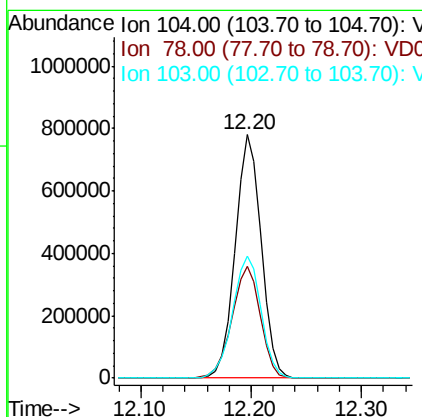
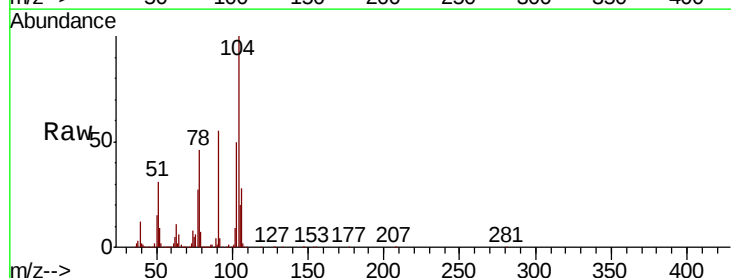
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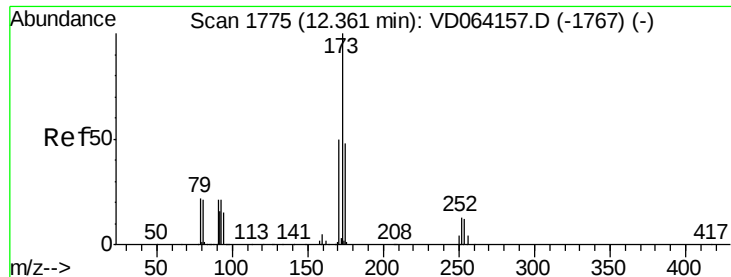
MMDadoda
11/13/2019 11:14:56 AM



#70
Styrene
Concen: 48.630 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	39.9	59.9
103	54.7	43.4	65.0





#71

Bromoform

Concen: 49.315 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

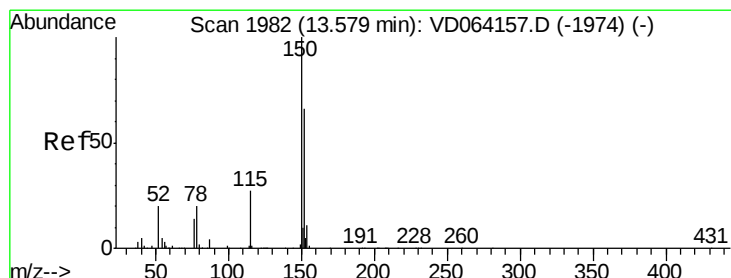
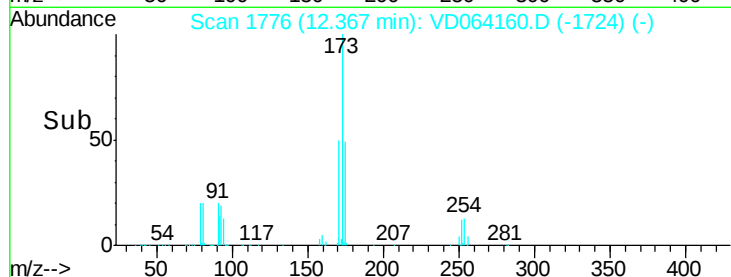
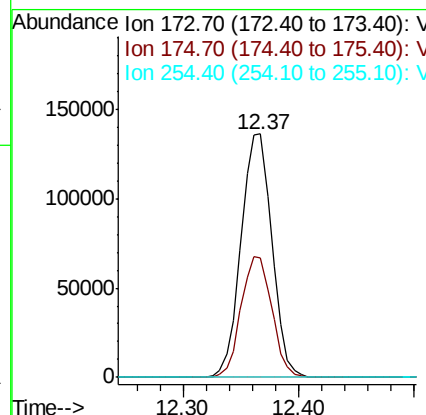
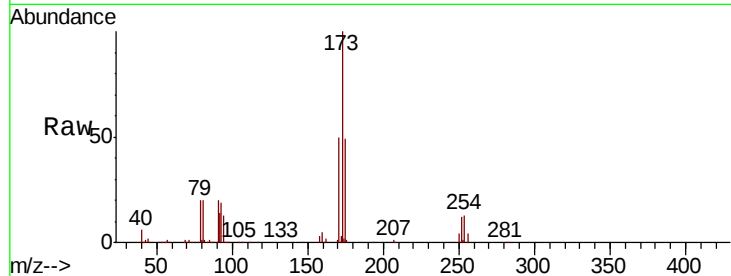
ClientSampleId :

ICVVD110819

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.1	72.3
254	0.1	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

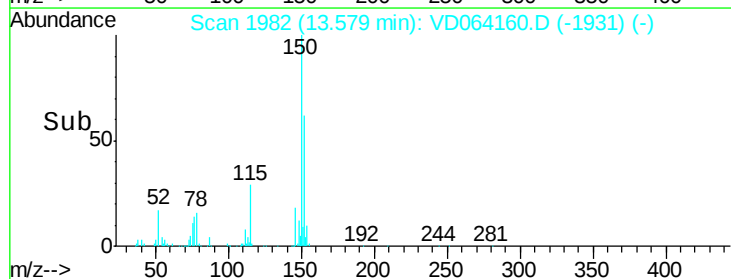
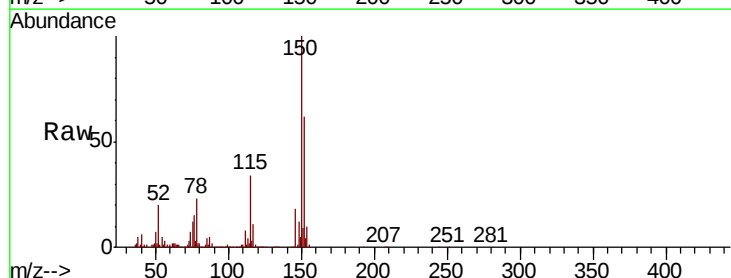
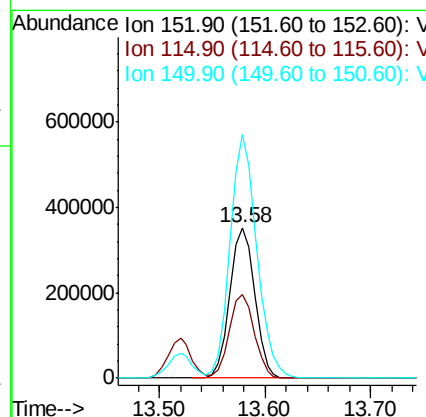
RT: 13.58 min Scan# 1982

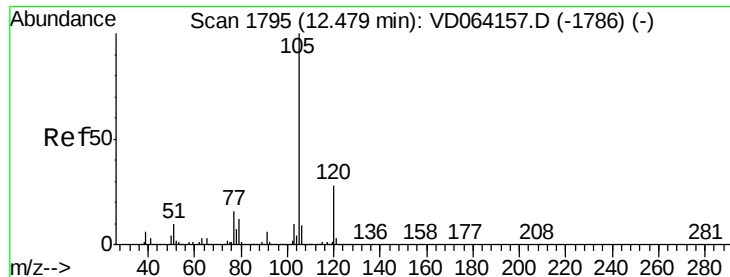
Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.4	82.2
150	172.6	0.0	351.6





#73

Isopropylbenzene

Concen: 47.890 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110819

Tot Ion:105 Resp: 2024717

Ion Ratio Lower Upper

105 100

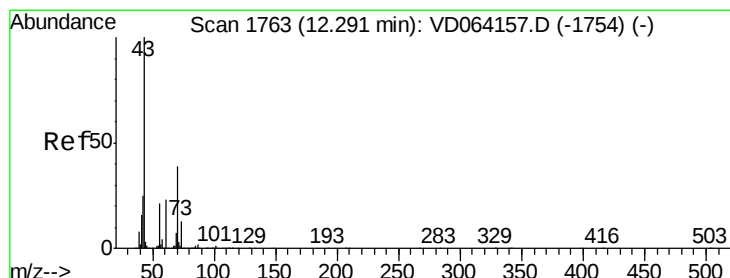
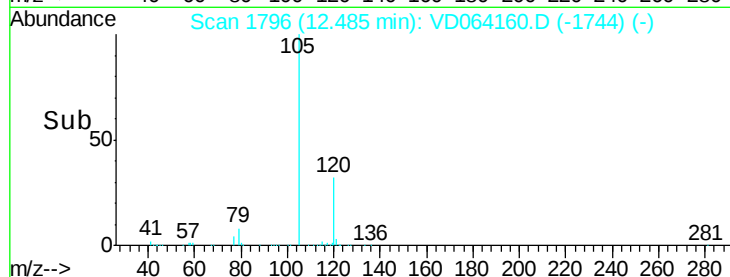
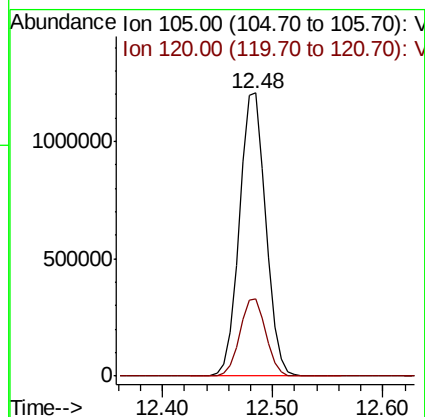
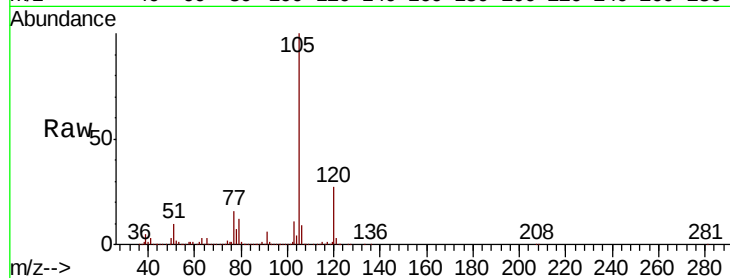
120 27.1 13.6 40.8

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#74

N-ethyl acetate

Concen: 47.558 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Tgt Ion: 43 Resp: 474816

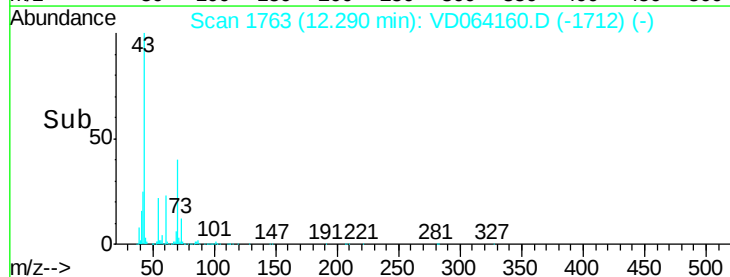
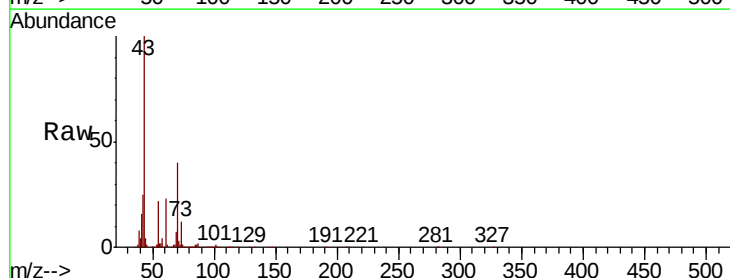
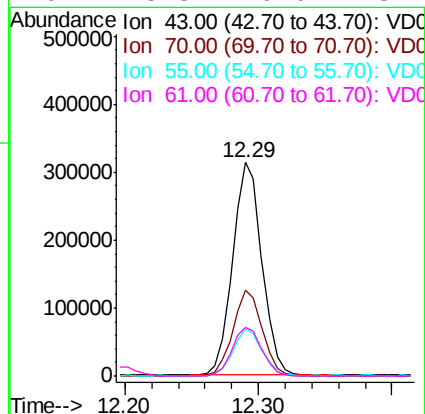
Ion Ratio Lower Upper

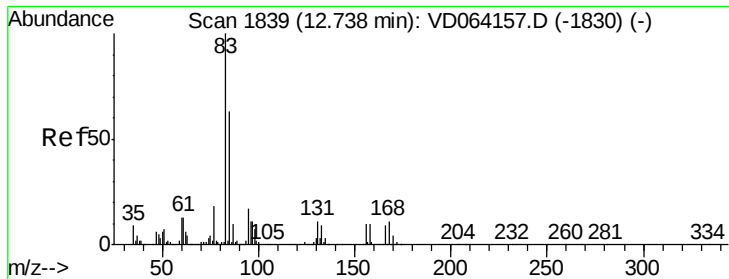
43 100

70 40.4 32.4 48.6

55 21.7 17.9 26.9

61 23.5 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.347 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

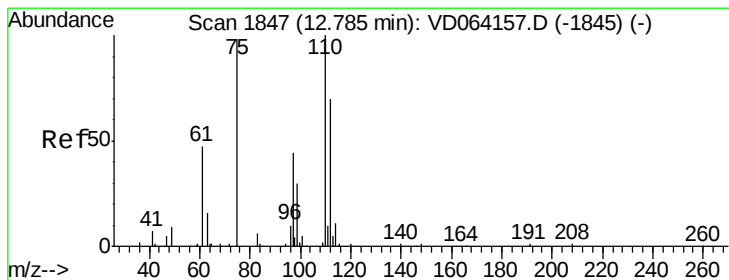
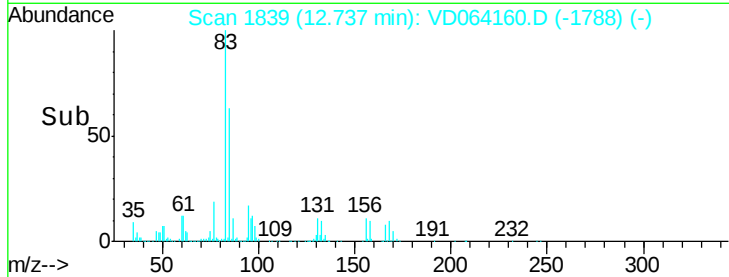
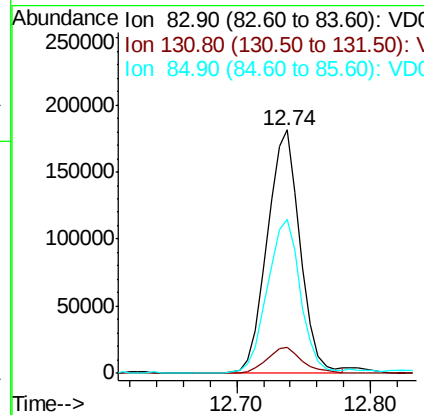
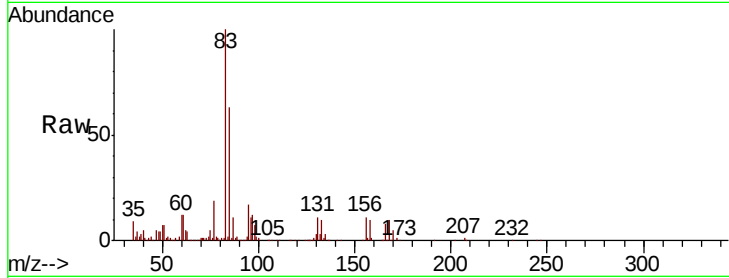
ClientSampleId :

ICVVD110819

Tot Ion:	83	Resp:	308001
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.9	17.7
85	63.2	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 48.424 ug/l m

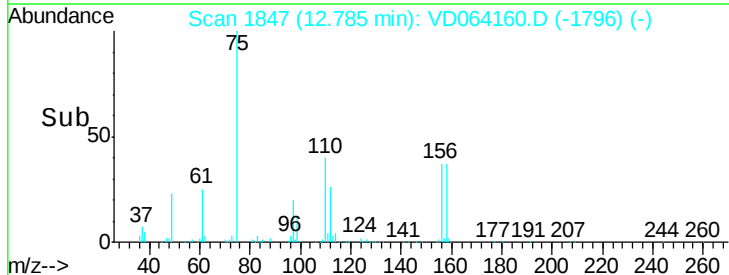
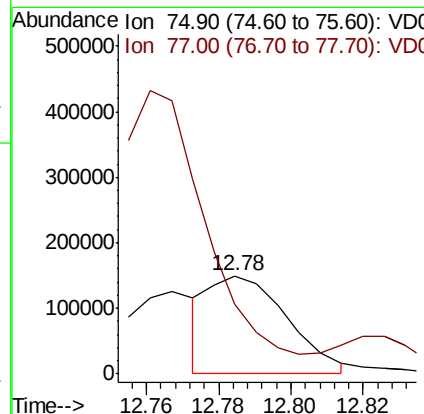
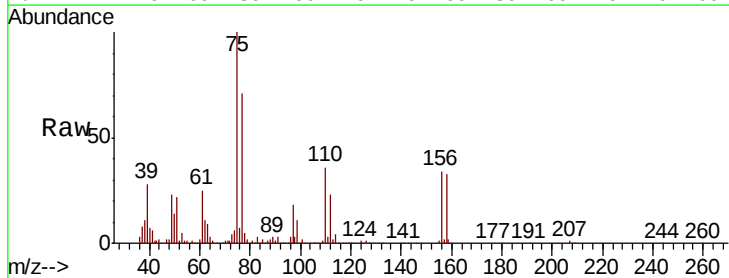
RT: 12.78 min Scan# 1847

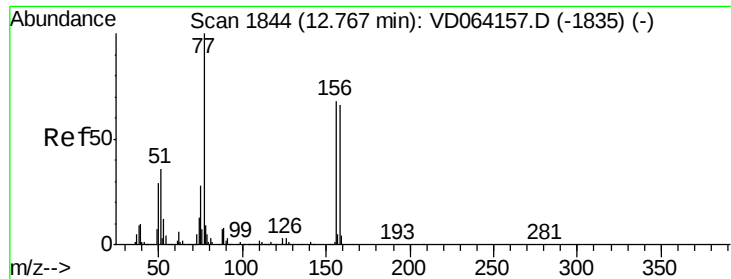
Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Tgt Ion:	75	Resp:	224665
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





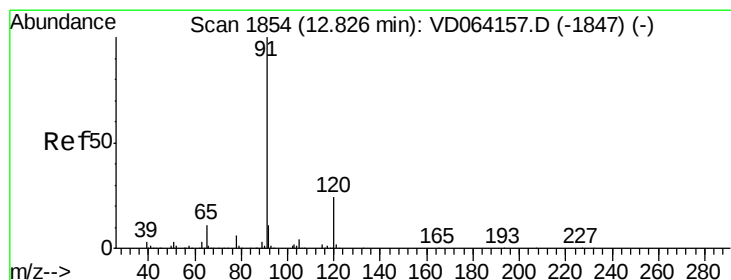
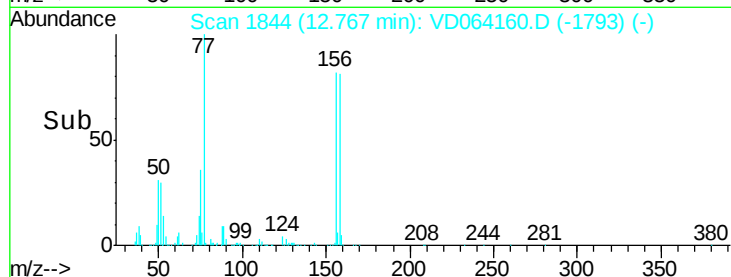
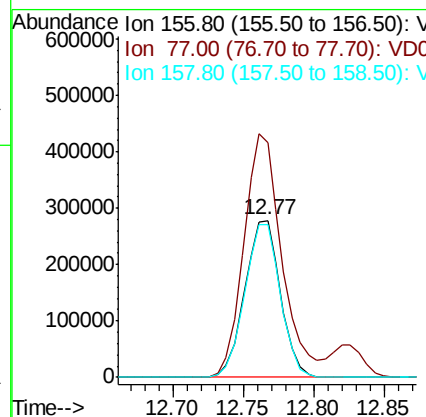
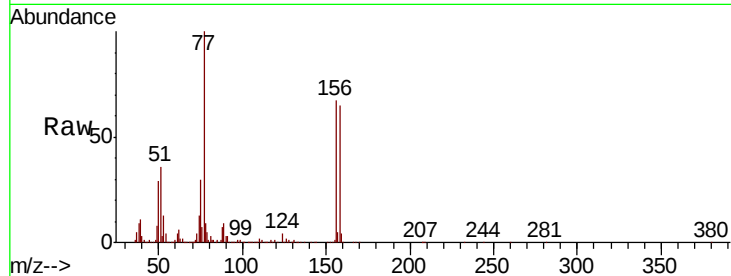
#77
Bromobenzene
Concen: 47.630 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.0	81.2	243.4
158	97.7	48.4	145.2

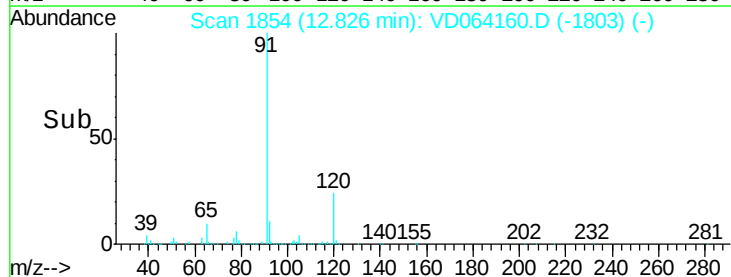
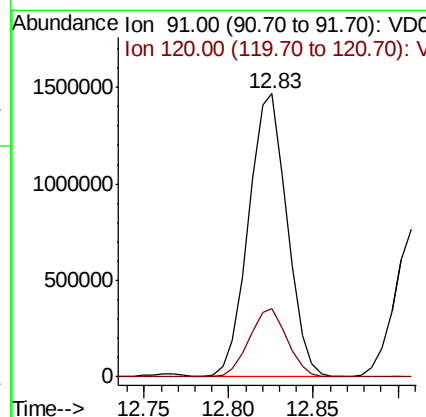
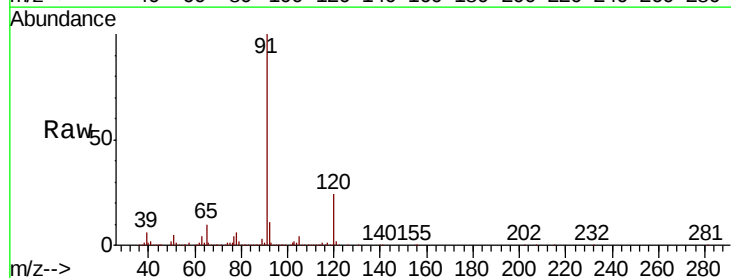
Manual Integrations
APPROVED

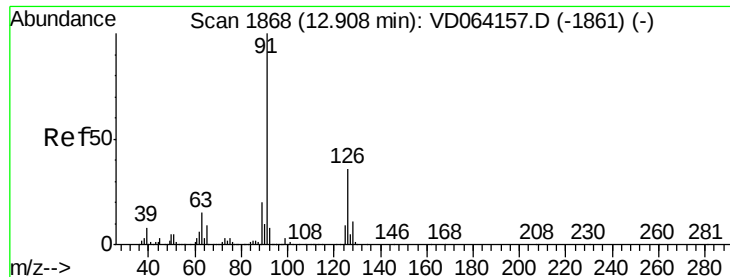
MMDadoda
11/13/2019 11:14:56 AM



#78
n-propylbenzene
Concen: 48.141 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.8	35.4





#79

2-Chlorotoluene

Concen: 47.980 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110819

Tot Ion: 91 Resp: 1308499

Ion Ratio Lower Upper

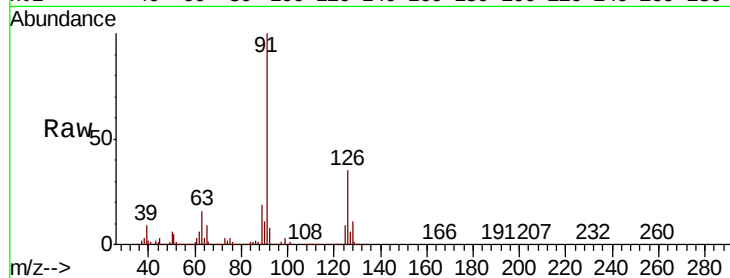
91 100

126 35.3 17.7 53.1

Manual Integrations
APPROVED

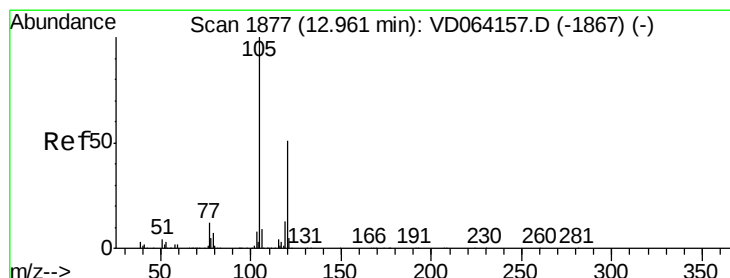
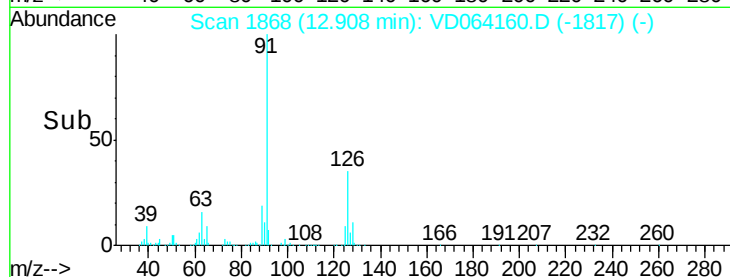
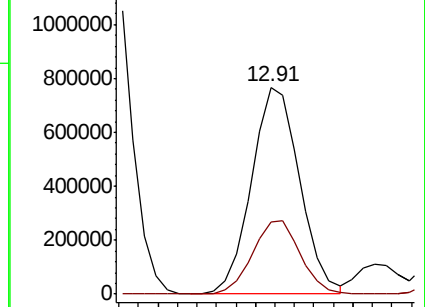
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.580 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD064160.D

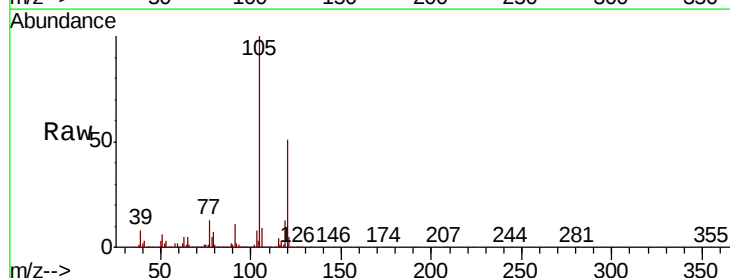
Acq: 08 Nov 2019 16:53

Tgt Ion: 105 Resp: 1652953

Ion Ratio Lower Upper

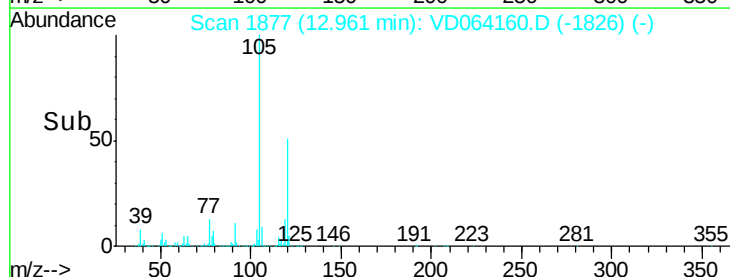
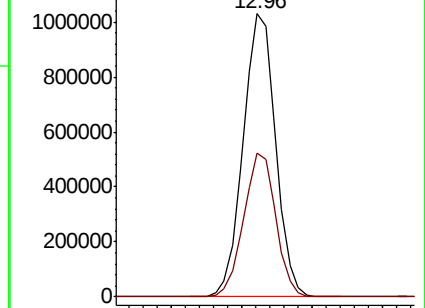
105 100

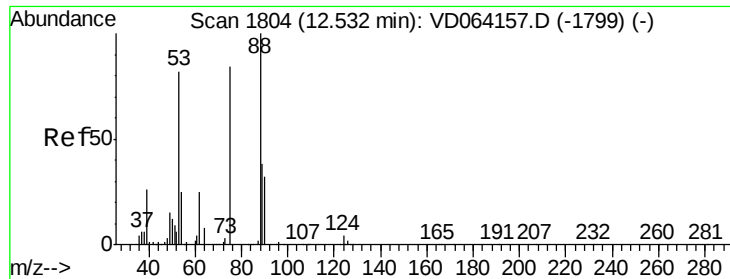
120 50.5 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





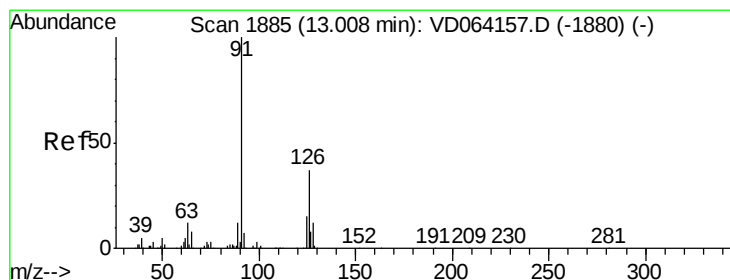
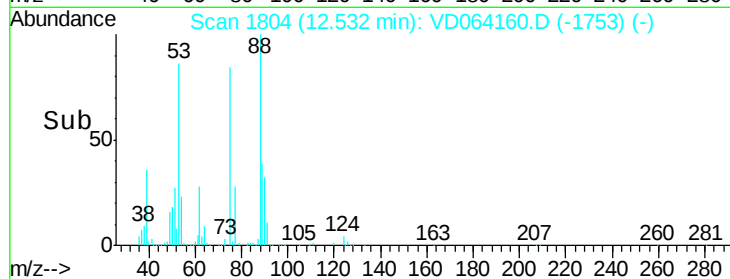
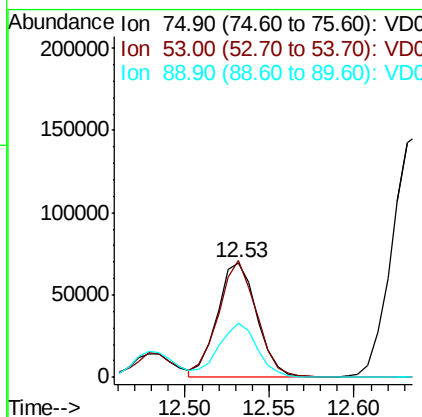
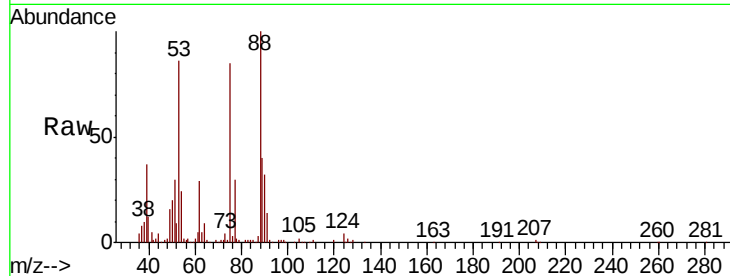
#81
trans-1,4-Dichloro-2-butene
Concen: 48.681 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.8	79.4	119.0
89	46.3	36.6	55.0

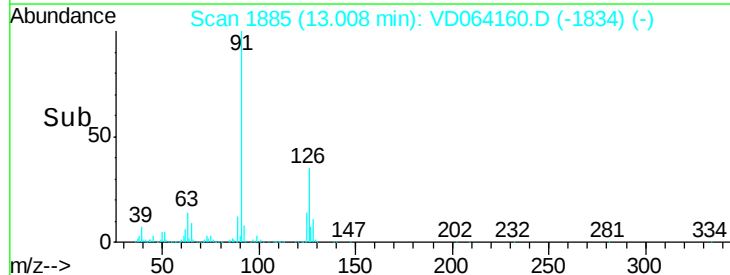
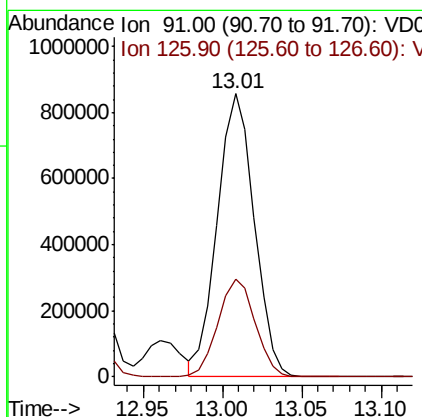
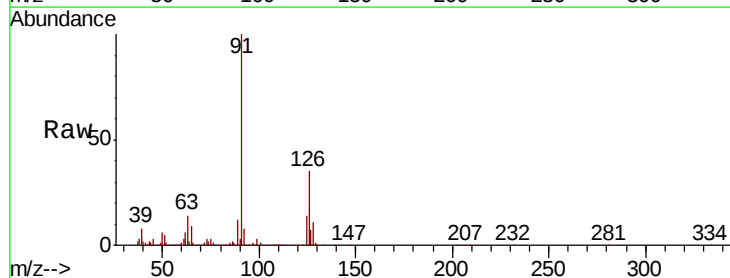
Manual Integrations
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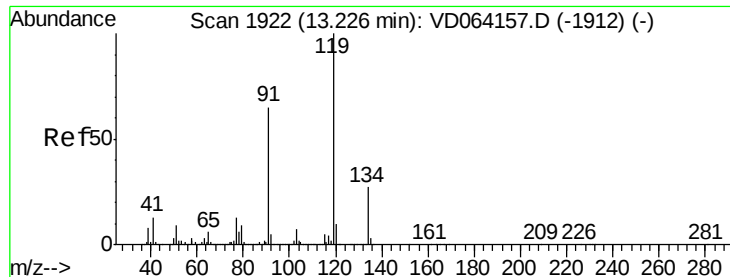
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#82
4-Chlorotoluene
Concen: 48.628 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.8	53.4





#83

tert-Butylbenzene

Concen: 47.303 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110819

Tot Ion:119 Resp: 1449060

Ion Ratio Lower Upper

119 100

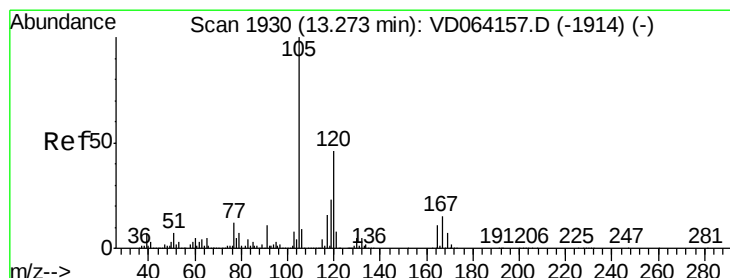
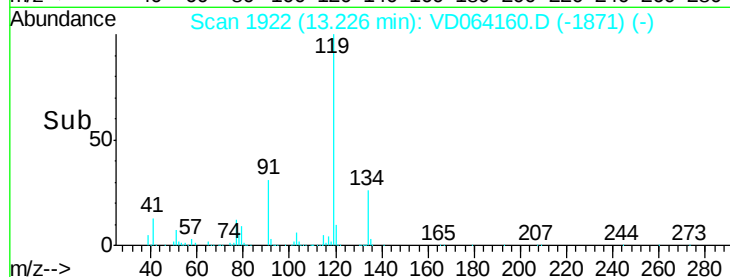
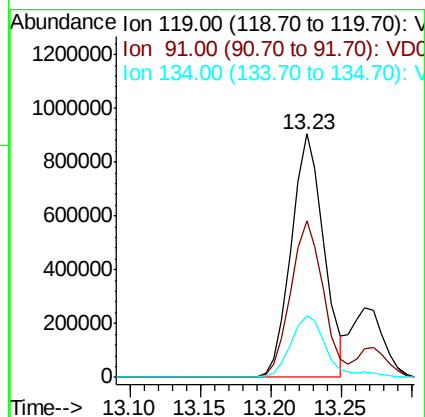
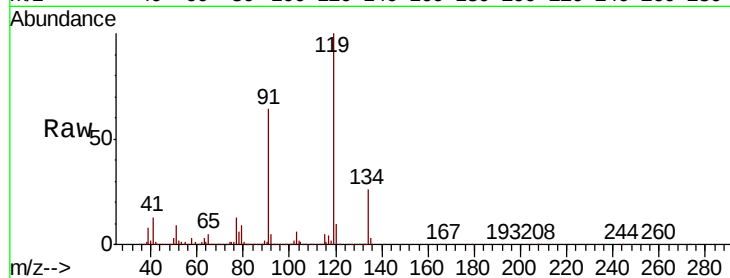
91 65.0 31.8 95.4

134 28.0 13.7 41.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.405 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD064160.D

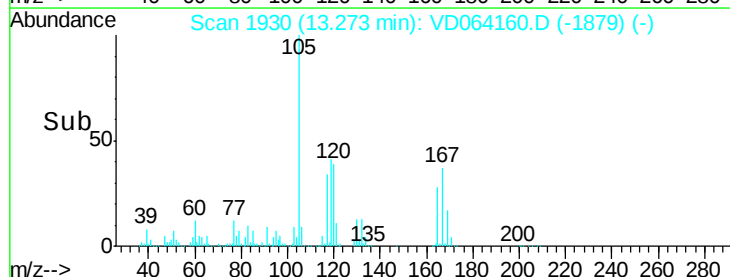
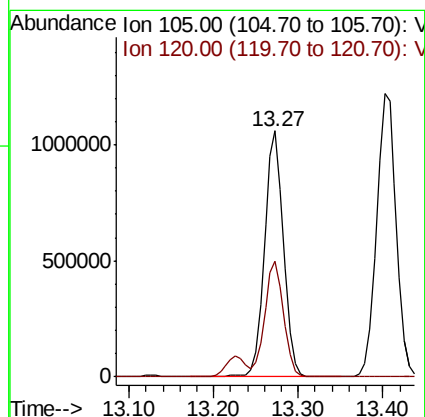
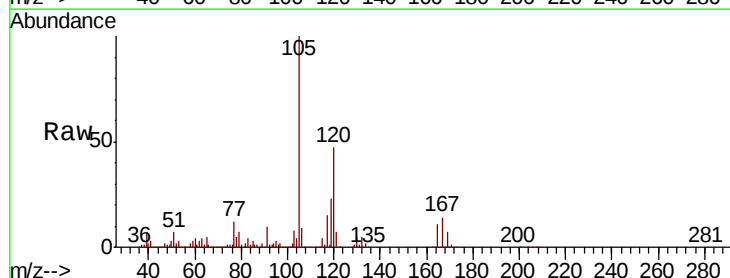
Acq: 08 Nov 2019 16:53

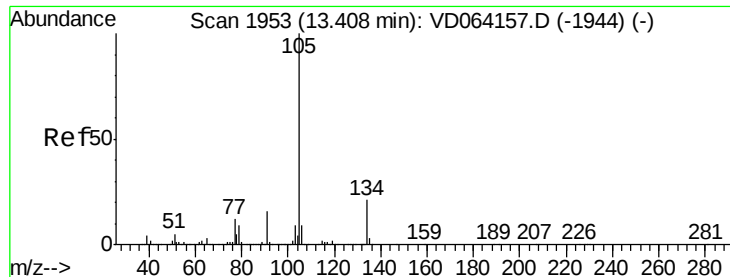
Tgt Ion:105 Resp: 1660179

Ion Ratio Lower Upper

105 100

120 46.7 23.3 69.8





#85

sec-Butylbenzene

Concen: 48.188 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110819

Tot Ion:105 Resp: 1982615

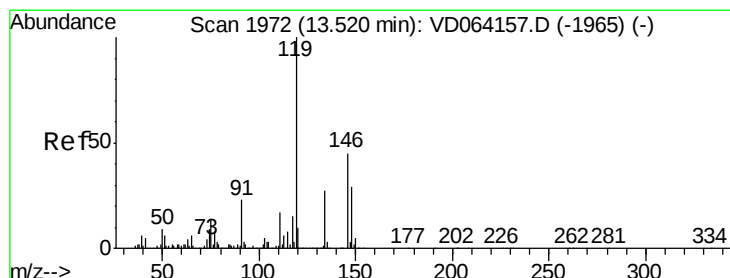
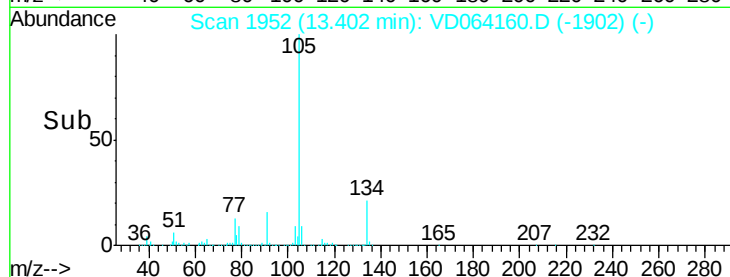
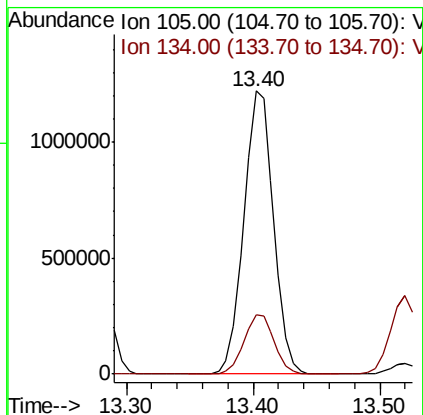
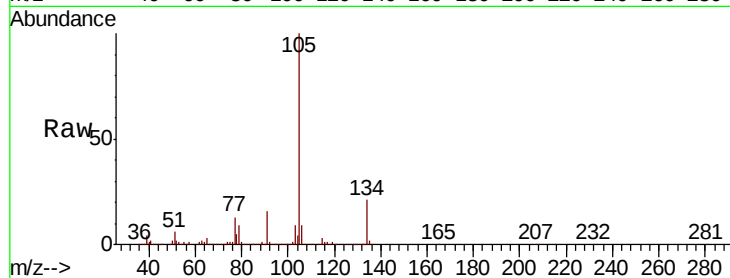
Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 48.314 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD064160.D

Acq: 08 Nov 2019 16:53

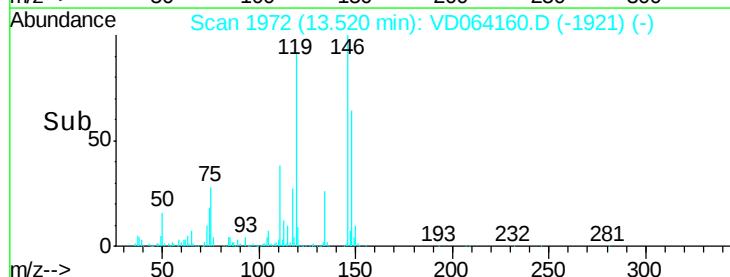
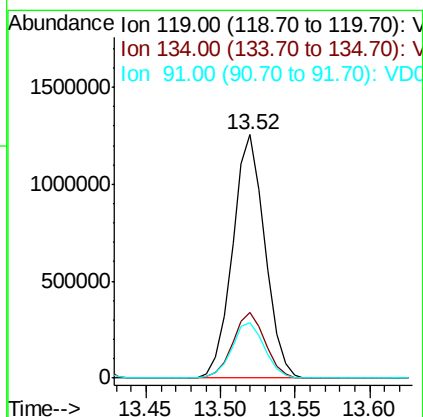
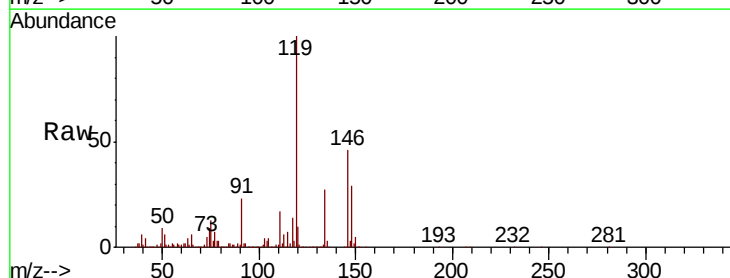
Tgt Ion:119 Resp: 1889794

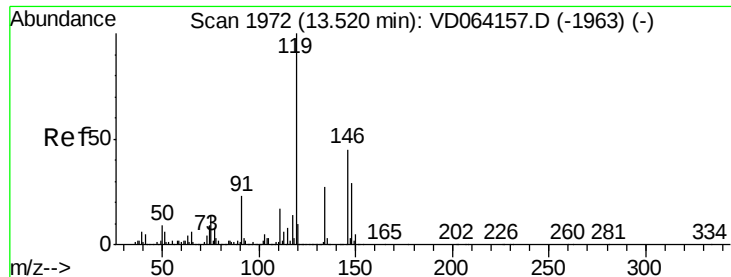
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

91 23.0 11.5 34.4





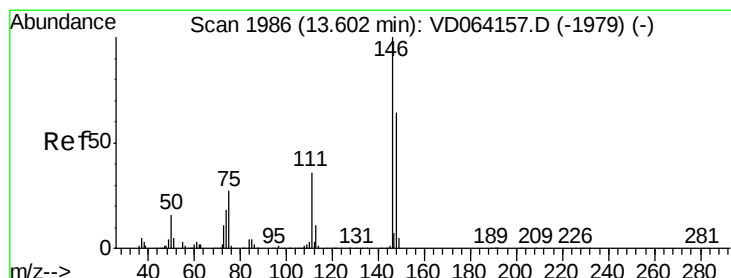
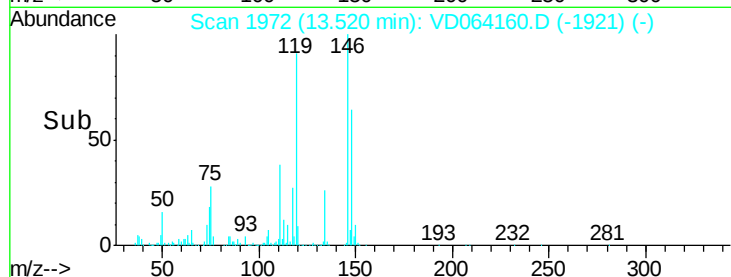
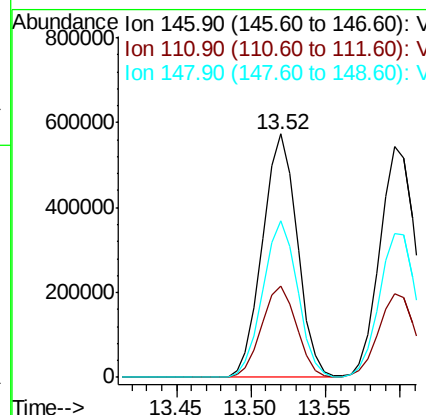
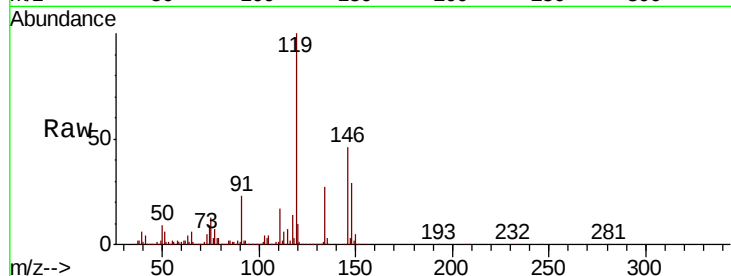
#87
 1,3-Dichlorobenzene
 Concen: 48.677 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110819

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.9
148	64.0	32.1	96.5

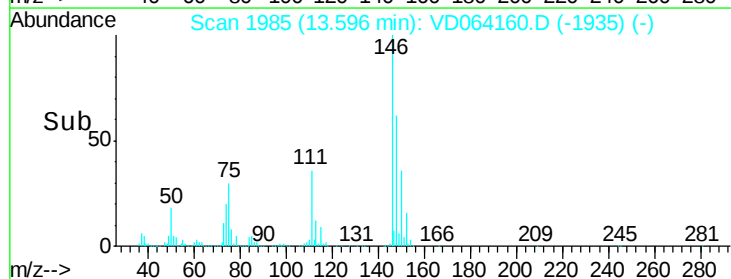
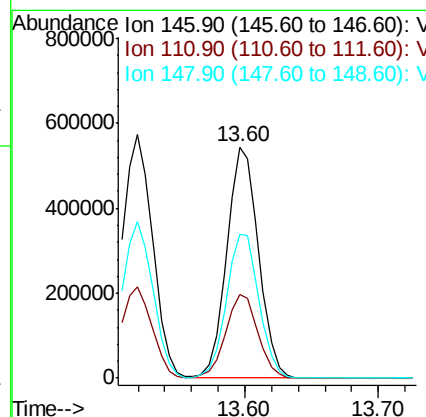
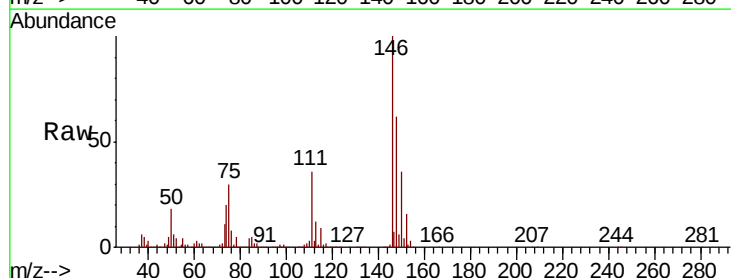
Manual Integrations
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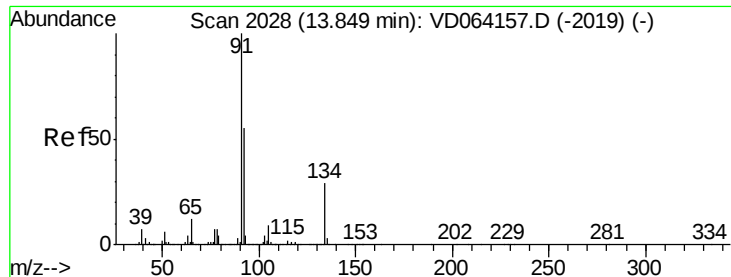
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#88
 1,4-Dichlorobenzene
 Concen: 48.797 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.4
148	63.8	31.9	95.7





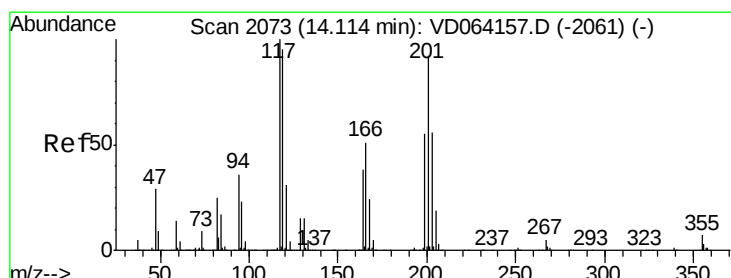
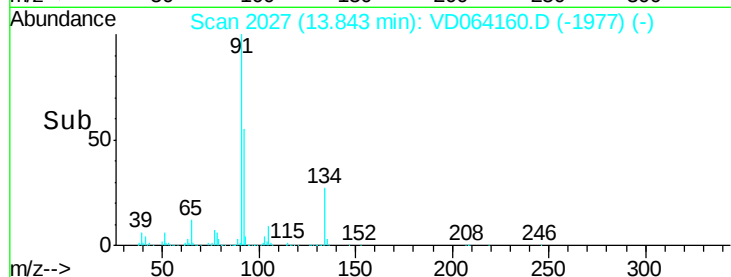
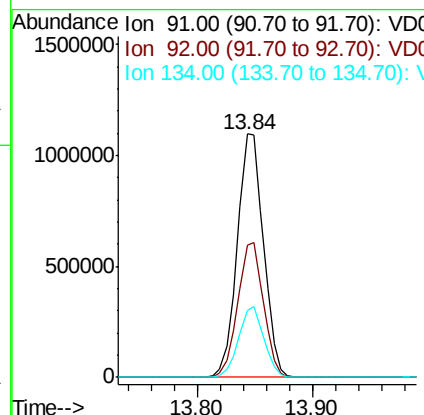
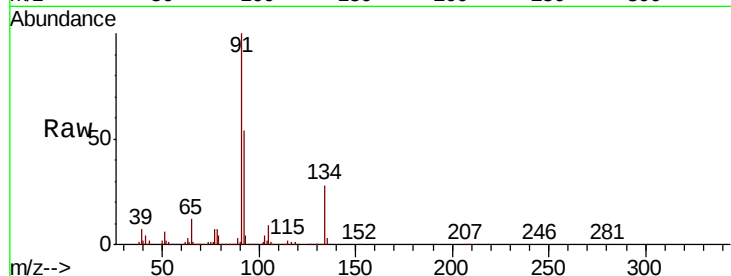
#89
n-Butylbenzene
Concen: 48.519 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampled :
ICVVD110819

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.3	81.8
134	28.3	14.1	42.4

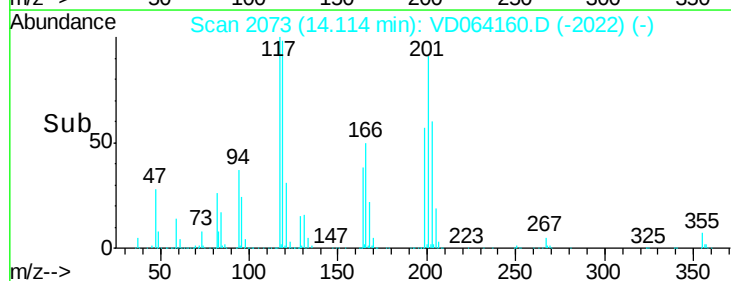
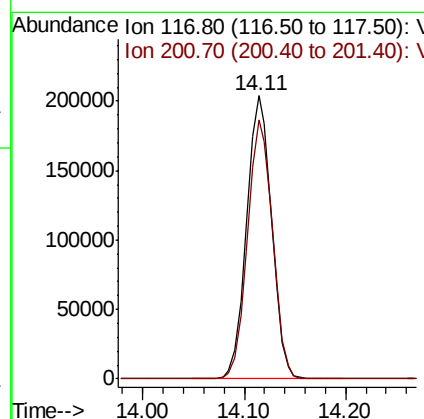
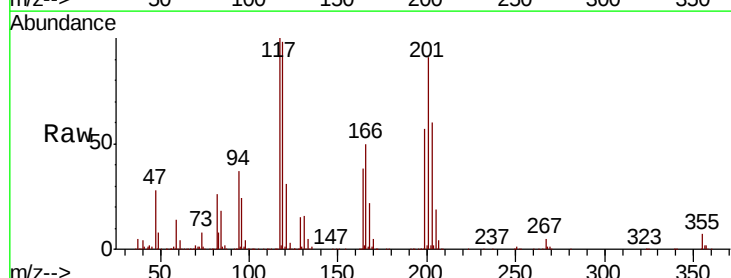
Manual Integrations
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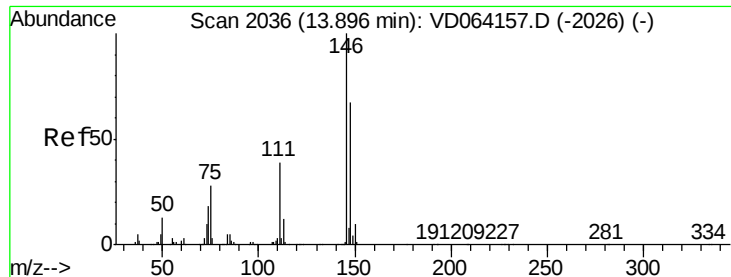
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#90
Hexachloroethane
Concen: 48.079 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	45.8	137.4





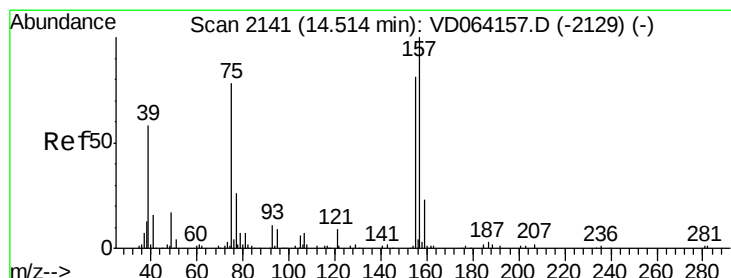
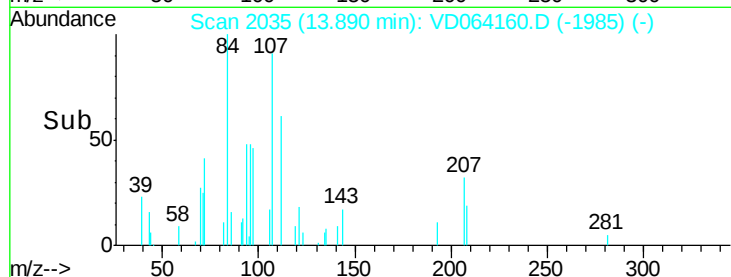
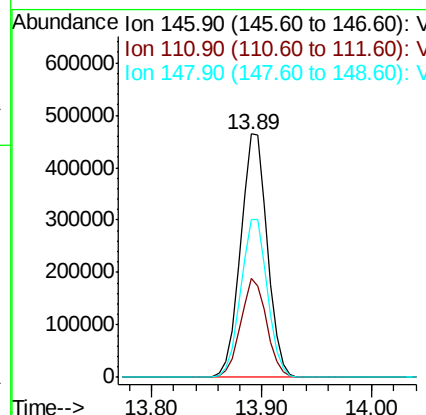
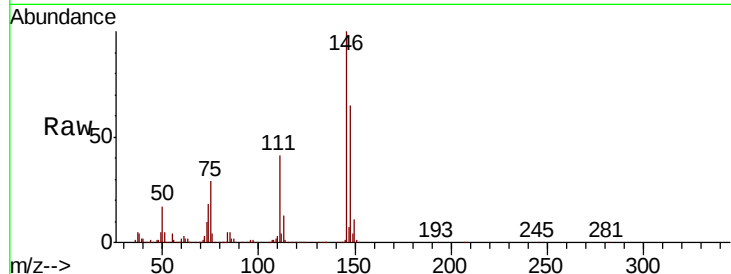
#91
 1,2-Dichlorobenzene
 Concen: 48.907 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110819

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	64.9	32.3	96.8

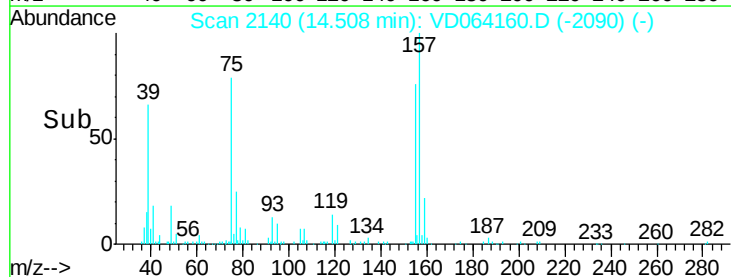
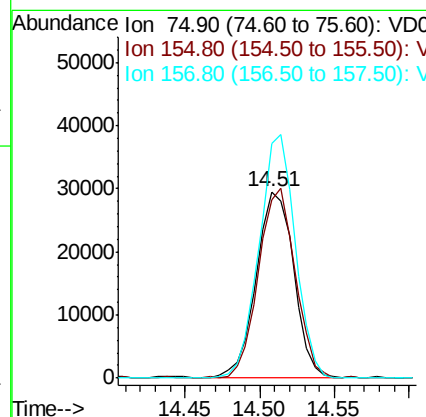
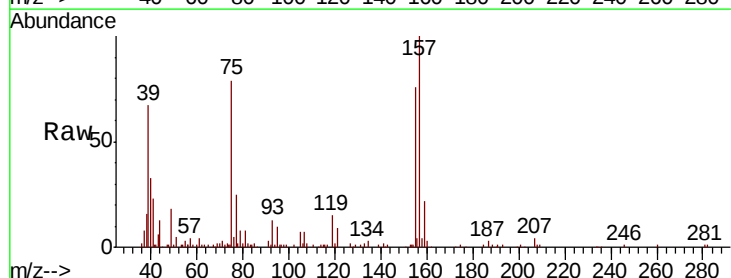
Manual Integrations
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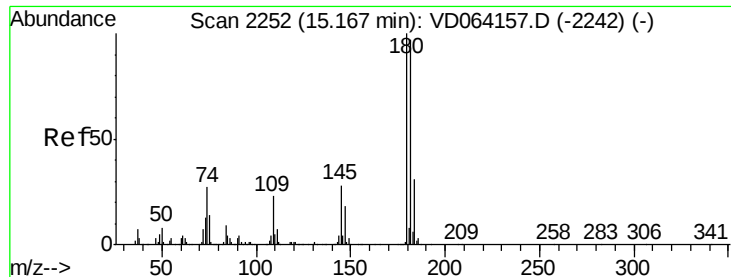
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.235 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	48.0	144.0
157	125.7	61.5	184.4





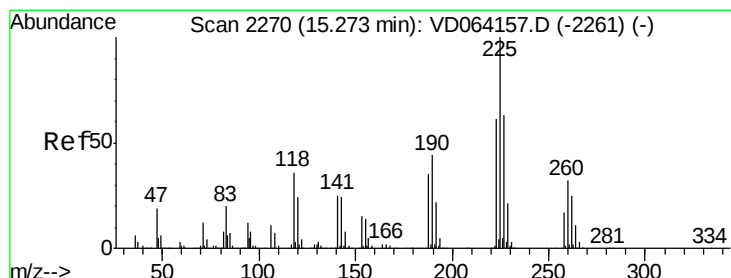
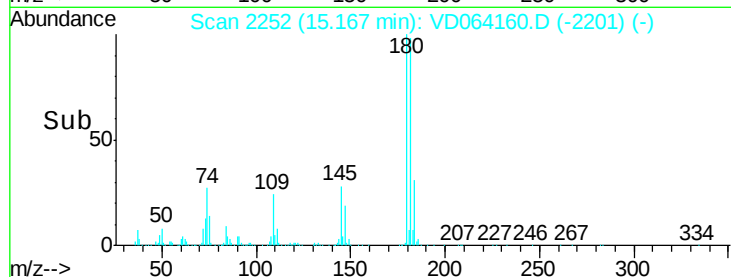
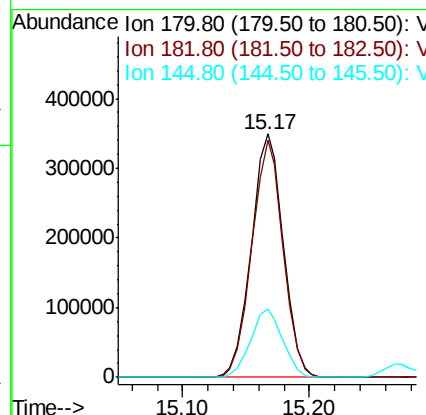
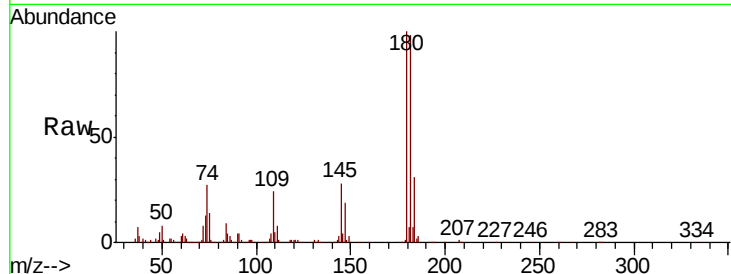
#93
 1,2,4-Trichlorobenzene
 Concen: 49.046 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110819

Tot Ion	Ratio	Resp	Lower	Upper
180	100	610576		
182	95.4		47.5	142.5
145	28.2		14.2	42.6

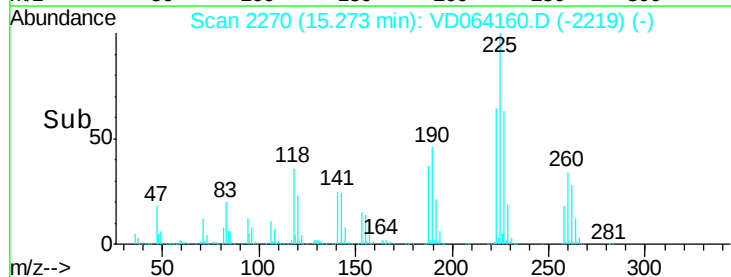
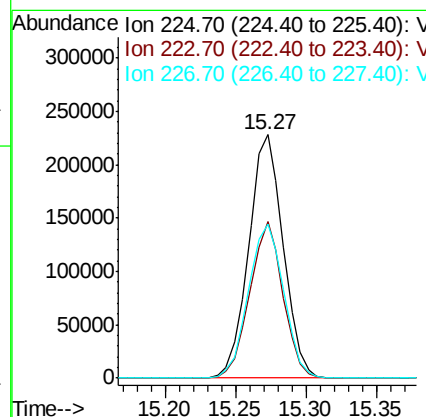
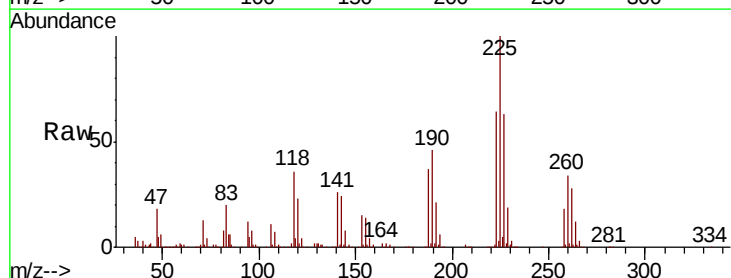
Manual Integrations
 APPROVED

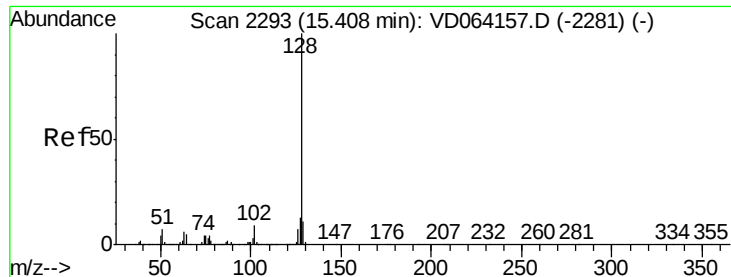
MMDadoda
 11/13/2019 11:14:56 AM



#94
 Hexachlorobutadiene
 Concen: 48.512 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD064160.D
 Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	390077		
223	61.9		31.1	93.3
227	64.9		31.5	94.5





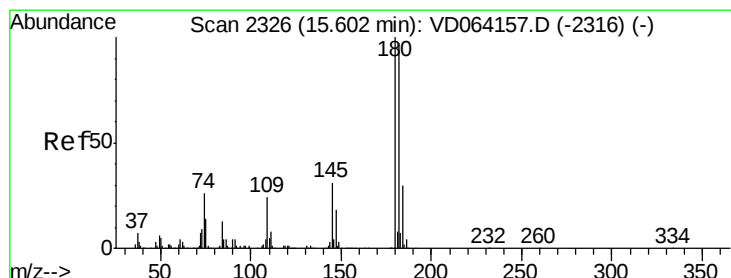
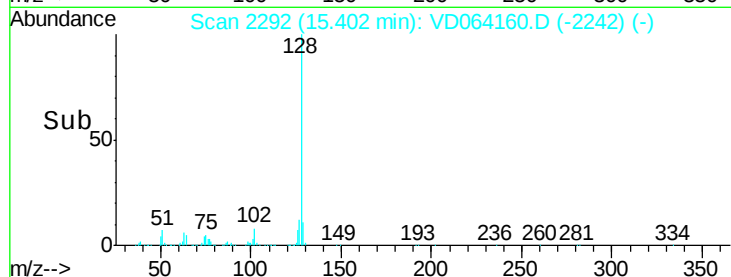
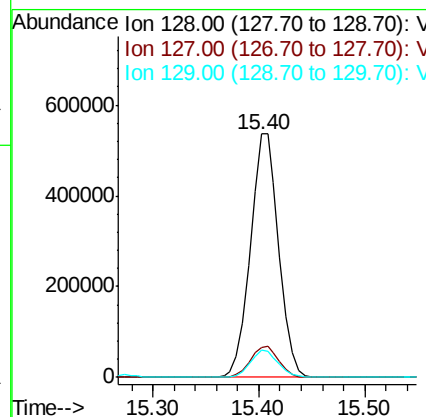
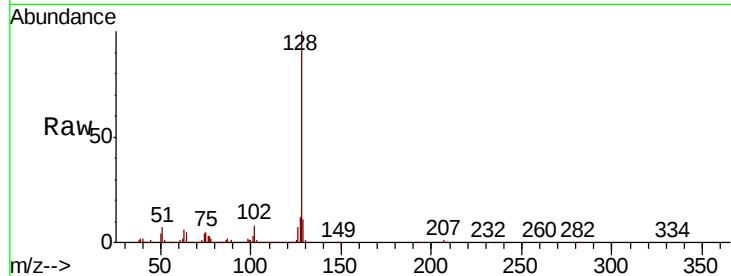
#95
Naphthalene
Concen: 48.664 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110819

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

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:14:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.178 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064160.D
Acq: 08 Nov 2019 16:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	30.2	15.3	45.8

