

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011720\
 Data File : VD064877.D
 Acq On : 17 Jan 2020 21:56
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:14:34 AM

Quant Time: Jan 18 00:04:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	279567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	424127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	390631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	201478	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	165195	67.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.02%	
35) Dibromofluoromethane	7.92	113	158048	60.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.48%	
50) Toluene-d8	10.34	98	574612	57.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.32%	
62) 4-Bromofluorobenzene	12.64	95	193616	61.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	97843	45.034	ug/l	98
3) Chloromethane	2.21	50	165535	54.478	ug/l	98
4) Vinyl Chloride	2.35	62	183936	49.647	ug/l	99
5) Bromomethane	2.77	94	132296	49.111	ug/l	100
6) Chloroethane	2.93	64	135768	54.691	ug/l	94
7) Trichlorofluoromethane	3.27	101	317027	50.821	ug/l	100
8) Diethyl Ether	3.71	74	76907	62.084	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	144196	55.815	ug/l	98
10) Methyl Iodide	4.30	142	147962	53.319	ug/l	99
11) Tert butyl alcohol	5.26	59	45336	320.893	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	133721	54.367	ug/l	95
13) Acrolein	3.92	56	28056	142.491	ug/l	99
14) Allyl chloride	4.71	41	231667	60.411	ug/l	99
15) Acrylonitrile	5.44	53	165424	320.599	ug/l	99
16) Acetone	4.17	43	149804	294.286	ug/l	93
17) Carbon Disulfide	4.40	76	384776	48.381	ug/l	97
18) Methyl Acetate	4.73	43	86902	62.615	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	360305	65.952	ug/l	98
20) Methylene Chloride	4.97	84	183911	75.431	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	159576	56.969	ug/l	97
22) Diisopropyl ether	6.37	45	504073	65.902	ug/l	96
23) Vinyl Acetate	6.31	43	1435003	330.730	ug/l	98
24) 1,1-Dichloroethane	6.27	63	297706	64.833	ug/l	98
25) 2-Butanone	7.23	43	218102	321.864	ug/l	94
26) 2,2-Dichloropropane	7.21	77	248385	58.179	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	189290	62.616	ug/l	99
28) Bromochloromethane	7.56	49	112504	63.028	ug/l	99
29) Tetrahydrofuran	7.57	42	135247	320.950	ug/l	98
30) Chloroform	7.71	83	316990	65.798	ug/l	95
31) Cyclohexane	7.98	56	229423	49.913	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	273124	60.358	ug/l	99
36) 1,1-Dichloropropene	8.12	75	225222	55.172	ug/l	98
37) Ethyl Acetate	7.30	43	96029	59.880	ug/l	96
38) Carbon Tetrachloride	8.10	117	244751	56.228	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	245454	49.644	ug/l	93
40) Benzene	8.36	78	660094	59.233	ug/l	99
41) Methacrylonitrile	7.53	41	52728	56.668	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	204173	63.401	ug/l	99
43) Isopropyl Acetate	8.46	43	194046	60.791	ug/l	99
44) Trichloroethene	9.12	130	184359	56.314	ug/l	98
45) 1,2-Dichloropropane	9.39	63	169759	63.801	ug/l	97
46) Dibromomethane	9.48	93	91854	61.918	ug/l	97
47) Bromodichloromethane	9.67	83	246387	62.416	ug/l	96
48) Methyl methacrylate	9.46	41	88760	59.056	ug/l	89
49) 1,4-Dioxane	9.47	88	19437	1136.305	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	493803	312.978	ug/l	99
52) Toluene	10.41	92	424856	58.109	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	229472	62.351	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	266994	61.525	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	125034	62.541	ug/l	98
56) Ethyl methacrylate	10.67	69	156146	62.539	ug/l	97
57) 1,3-Dichloropropane	10.95	76	215374	62.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	293392	308.427	ug/l	98
59) 2-Hexanone	10.99	43	327942	306.244	ug/l	100
60) Dibromochloromethane	11.14	129	171715	62.110	ug/l	100
61) 1,2-Dibromoethane	11.25	107	118136	59.910	ug/l	100
64) Tetrachloroethene	10.88	164	160226	53.465	ug/l	98
65) Chlorobenzene	11.67	112	461819	56.962	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	184610	60.401	ug/l	99
67) Ethyl Benzene	11.75	91	818997	55.655	ug/l	100
68) m/p-Xylenes	11.86	106	637727	112.278	ug/l	97
69) o-Xylene	12.18	106	292351	56.984	ug/l	100
70) Styrene	12.20	104	533600	59.254	ug/l	99
71) Bromoform	12.37	173	99965	57.353	ug/l #	99
73) Isopropylbenzene	12.48	105	780122	54.182	ug/l	100
74) N-amyl acetate	12.30	43	175045	56.874	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	130431	57.667	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	83639m	52.570	ug/l	
77) Bromobenzene	12.77	156	197341	55.781	ug/l	98
78) n-propylbenzene	12.83	91	905417	53.903	ug/l	99
79) 2-Chlorotoluene	12.91	91	508153	55.070	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	644298	54.475	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	42516	55.890	ug/l	96
82) 4-Chlorotoluene	13.01	91	539538	54.945	ug/l	100
83) tert-Butylbenzene	13.23	119	548715	53.434	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	656673	55.748	ug/l	98
85) sec-Butylbenzene	13.41	105	750128	53.282	ug/l	100
86) p-Isopropyltoluene	13.53	119	723776	53.766	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	375690	55.705	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	365058	55.100	ug/l	99
89) n-Butylbenzene	13.85	91	641743	52.938	ug/l	99
90) Hexachloroethane	14.12	117	140427	54.610	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	330943	57.547	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20084	54.775	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	223249	52.722	ug/l	99
94) Hexachlorobutadiene	15.28	225	133292	50.023	ug/l	98
95) Naphthalene	15.41	128	365754	54.599	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	197175	54.544	ug/l	99

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

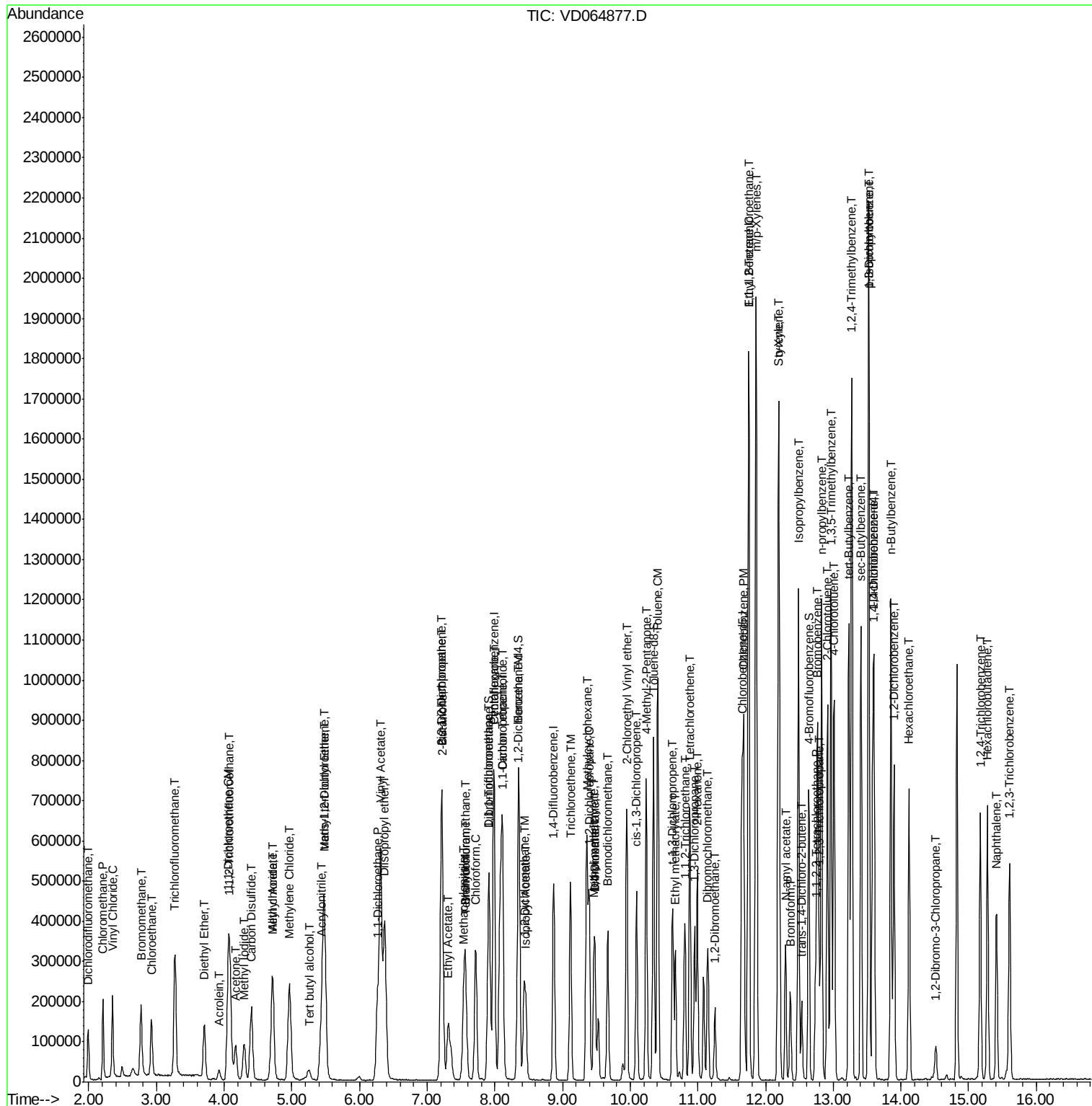
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011720\
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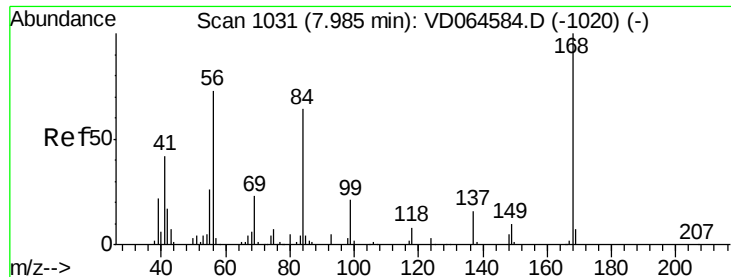
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 279567

Ion Ratio Lower Upper

168 100

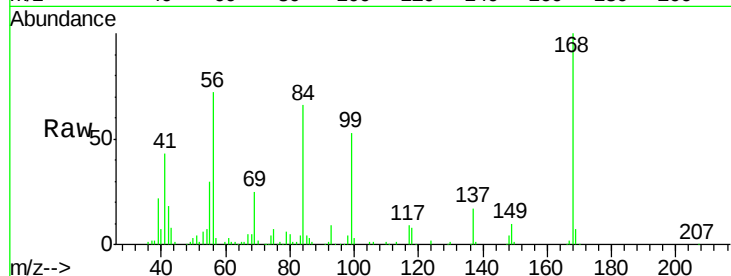
99 52.9 41.8 62.6

Manual Integrations

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1/20/2020 11:14:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

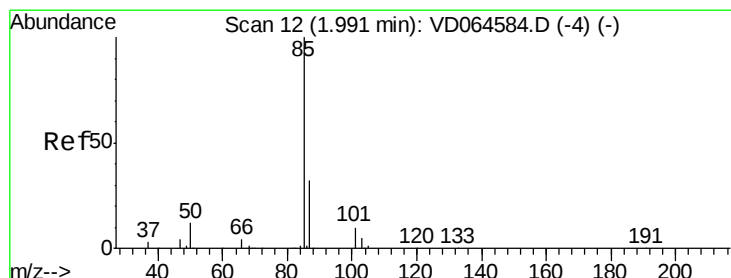
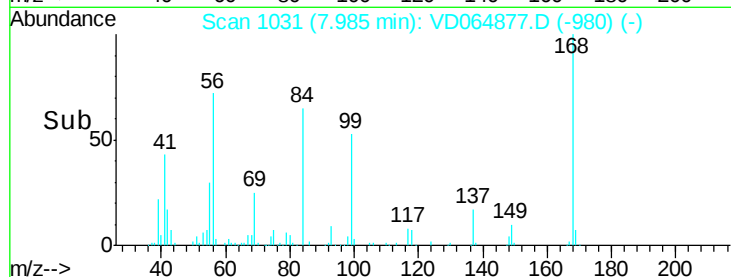
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.034 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064877.D

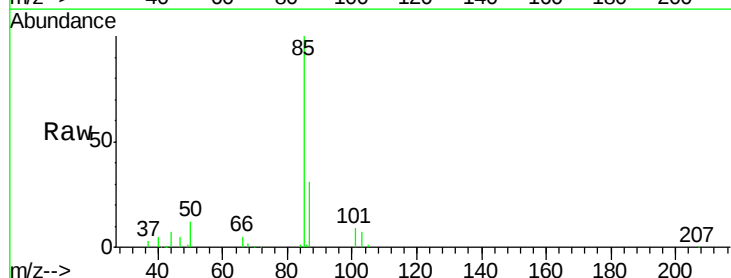
Acq: 17 Jan 2020 21:56

Tgt Ion: 85 Resp: 97843

Ion Ratio Lower Upper

85 100

87 30.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

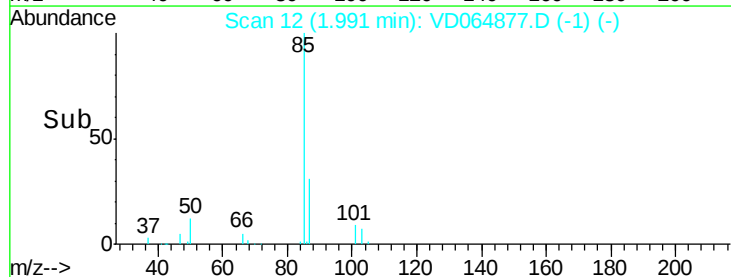
40000

20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 54.478 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 165535

Ion Ratio Lower Upper

50 100

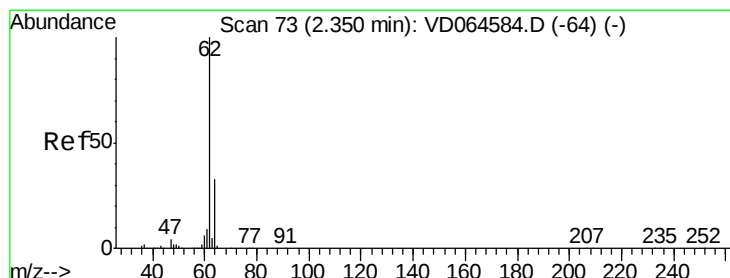
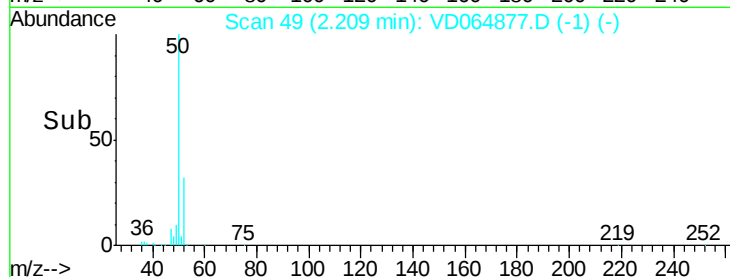
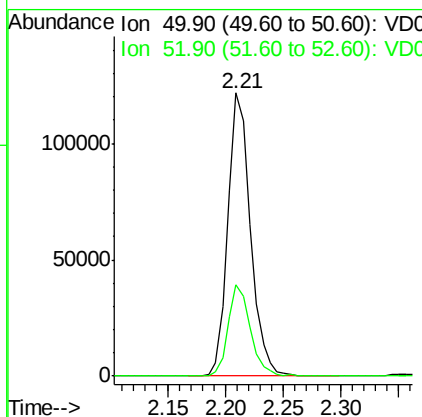
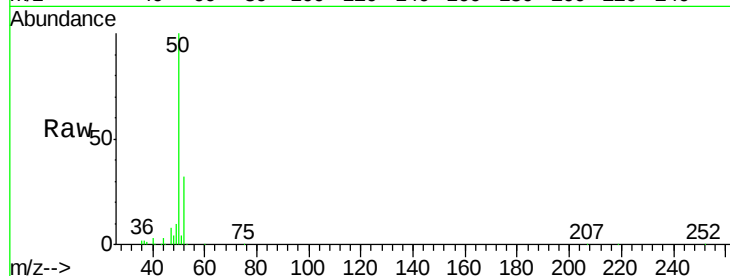
52 32.1 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.647 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064877.D

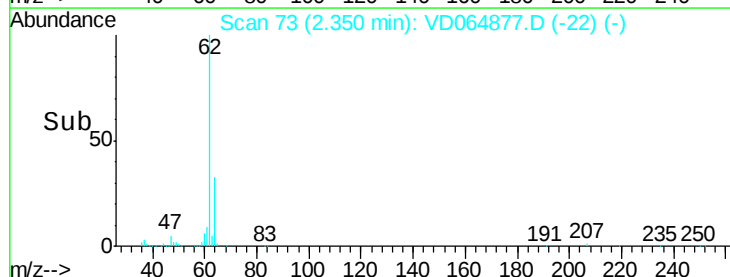
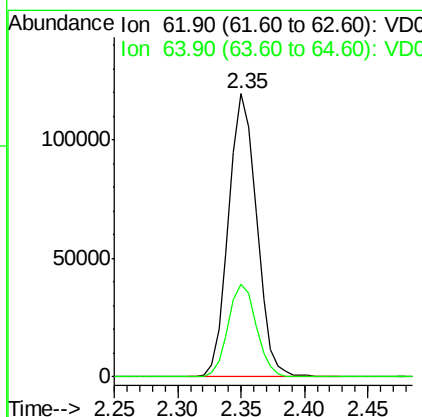
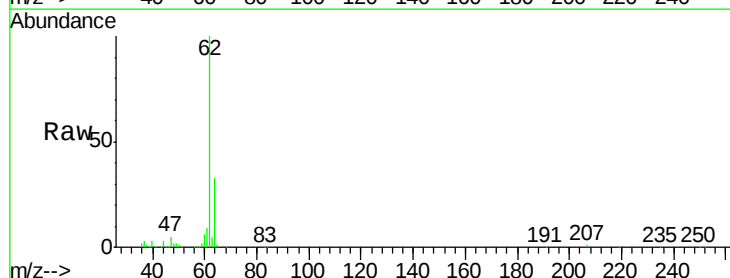
Acq: 17 Jan 2020 21:56

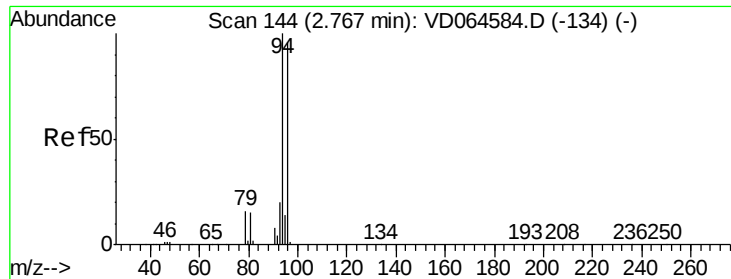
Tgt Ion: 62 Resp: 183936

Ion Ratio Lower Upper

62 100

64 32.8 26.6 40.0





#5

Bromomethane

Concen: 49.111 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 132296

Ion Ratio Lower Upper

94 100

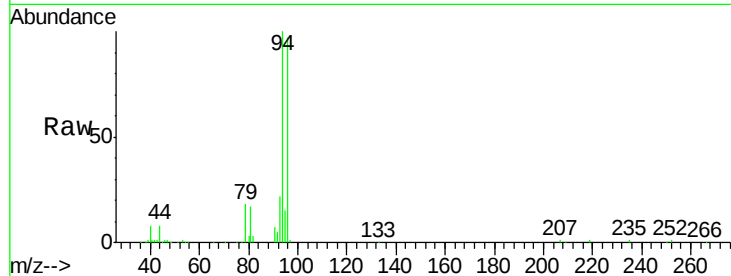
96 96.7 77.2 115.8

Manual Integrations

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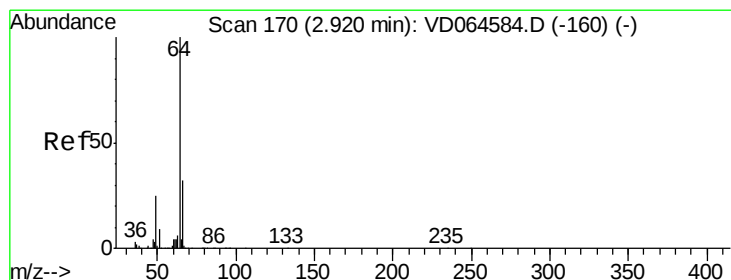
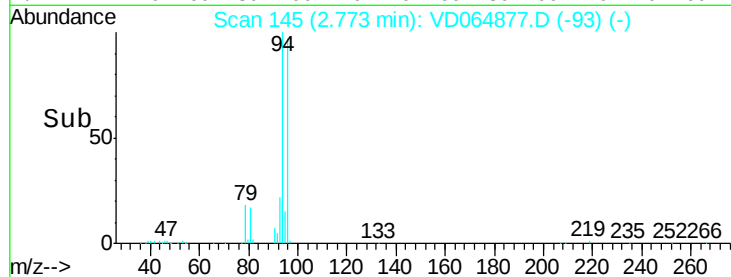
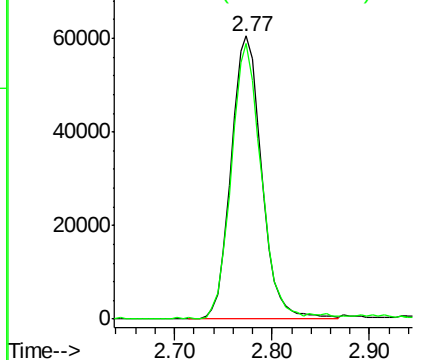
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1/20/2020 11:14:34 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 54.691 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064877.D

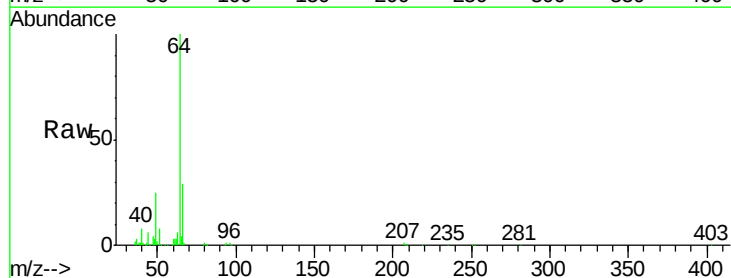
Acq: 17 Jan 2020 21:56

Tgt Ion: 64 Resp: 135768

Ion Ratio Lower Upper

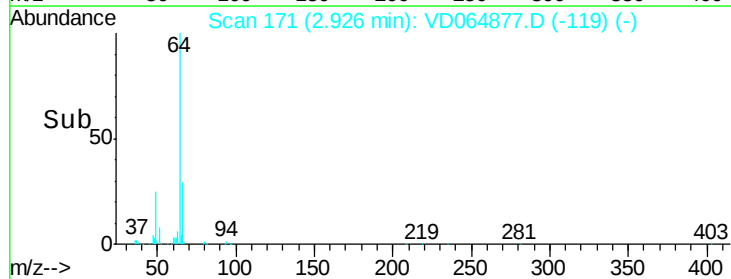
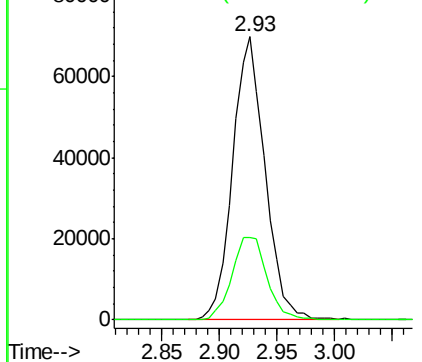
64 100

66 29.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

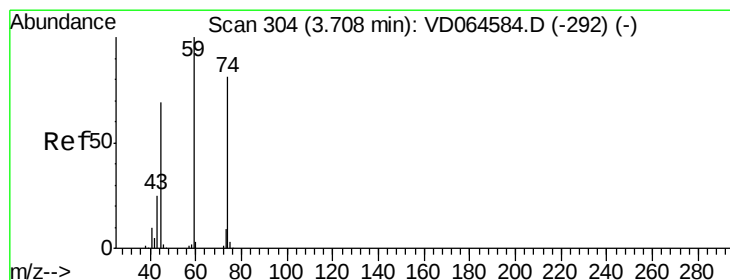
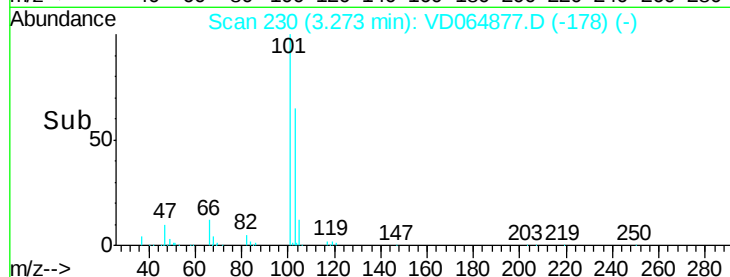
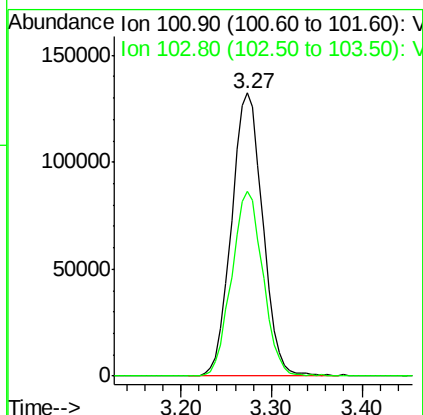
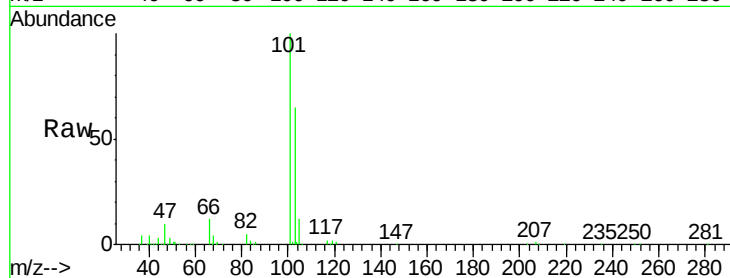
Trichlorofluoromethane
 Concen: 50.821 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064877.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.4

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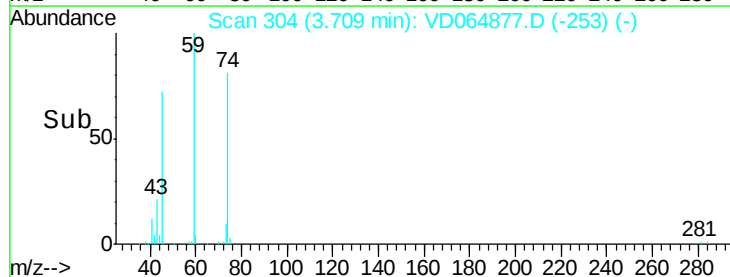
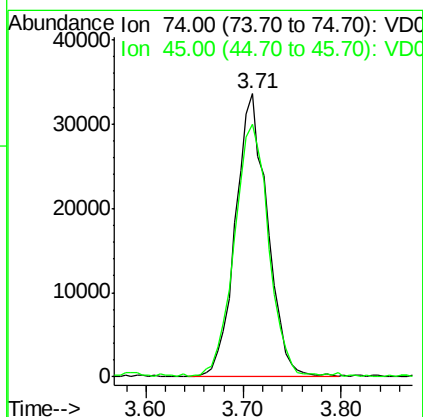
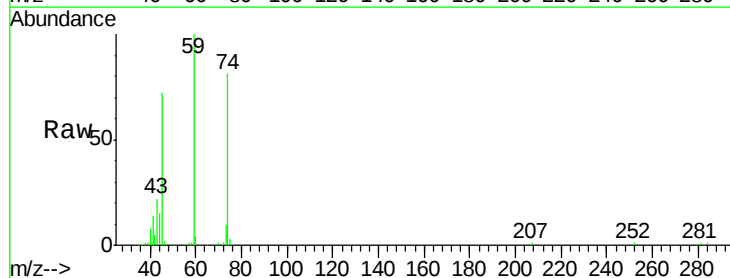
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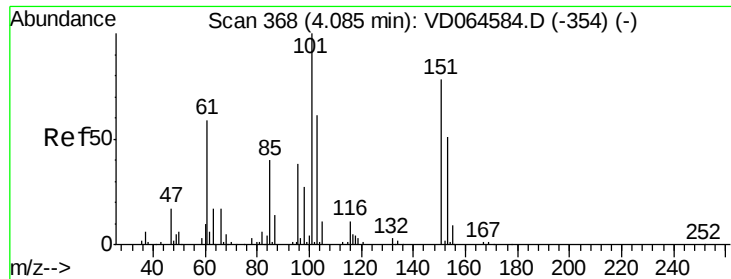


#8

Diethyl Ether
 Concen: 62.084 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.815 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

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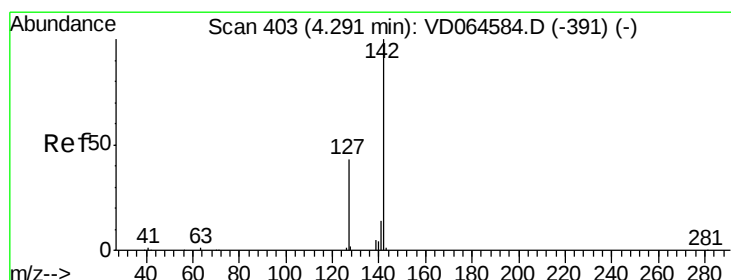
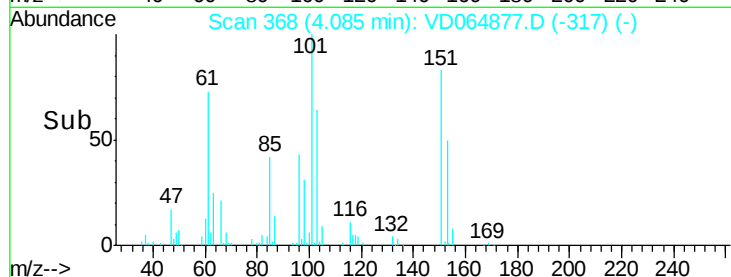
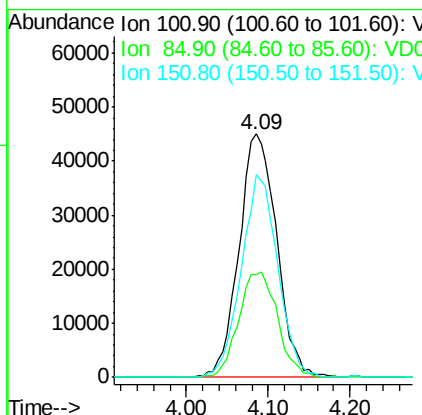
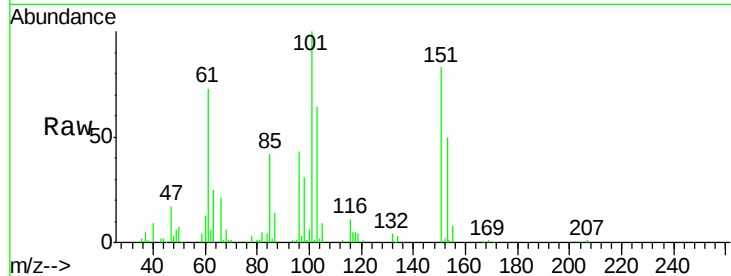
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	144196
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.2	52.8
151	80.8	66.2	99.4

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#10

Methyl Iodide

Concen: 53.319 ug/l

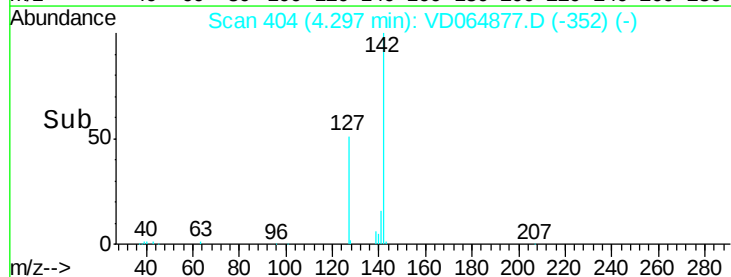
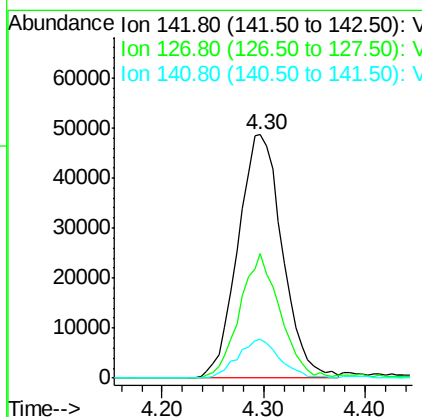
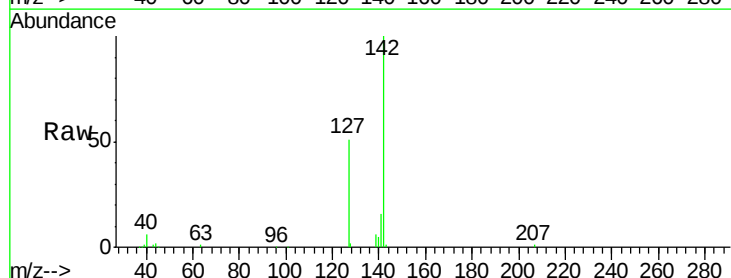
RT: 4.30 min Scan# 404

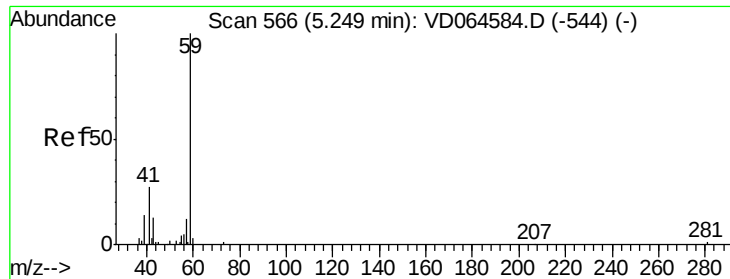
Delta R.T. 0.01 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Tgt Ion:	142	Resp:	147962
Ion Ratio	Lower	Upper	
142	100		
127	46.3	36.2	54.4
141	15.2	11.8	17.8





#11

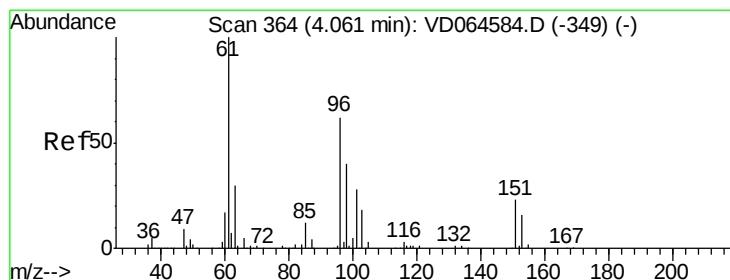
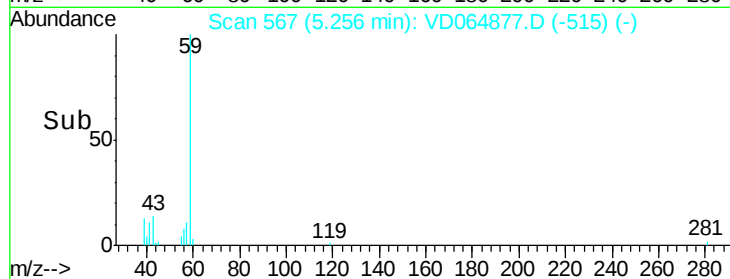
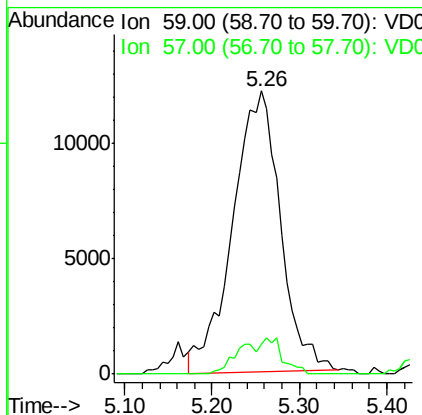
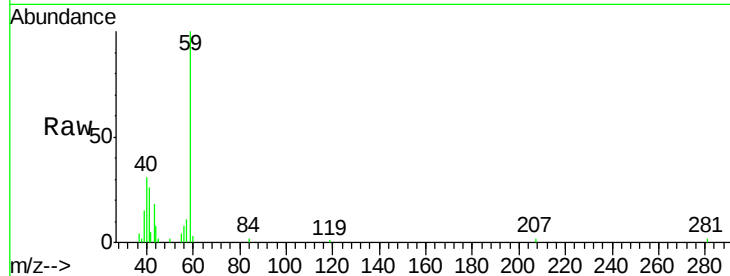
Tert butyl alcohol
 Concen: 320.893 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	9.3	13.9#

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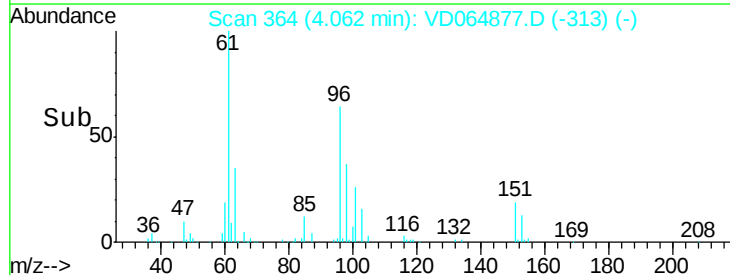
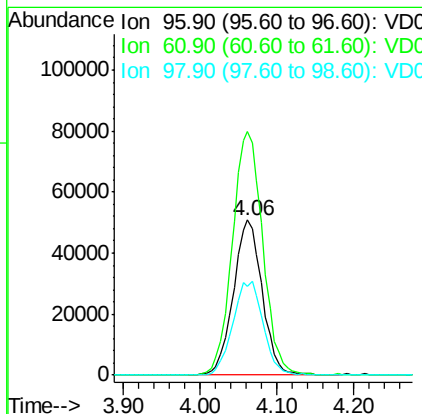
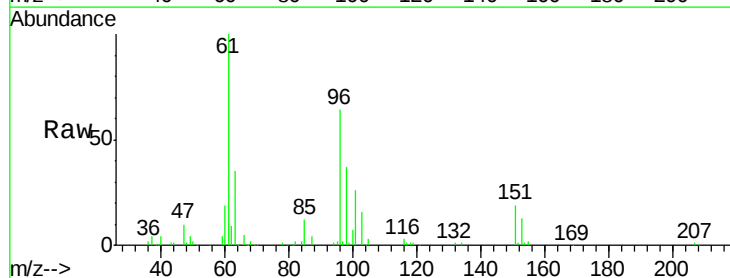
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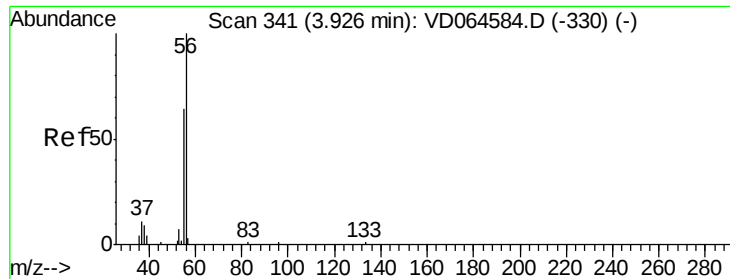


#12

1,1-Dichloroethene
 Concen: 54.367 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	129.4	194.0
98	57.6	51.4	77.0





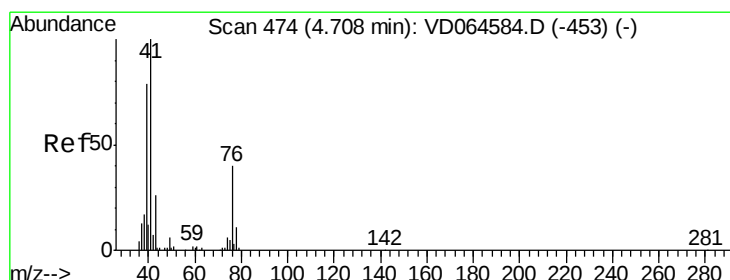
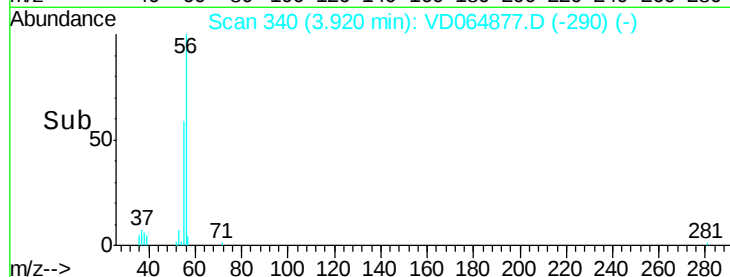
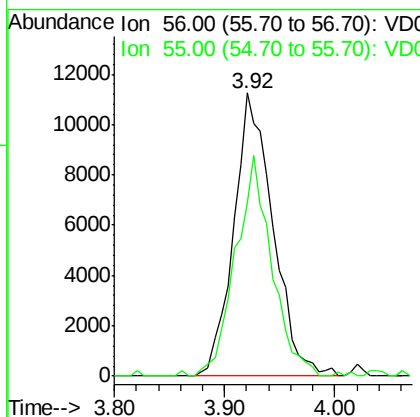
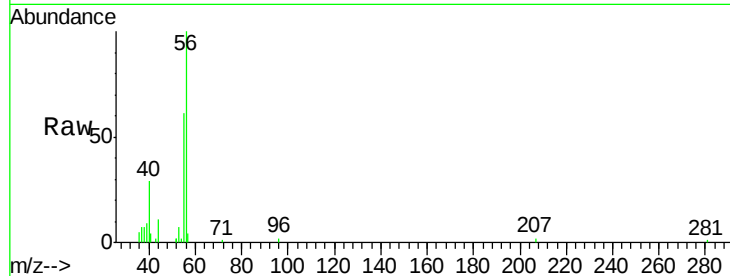
#13
Acrolein
Concen: 142.491 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.9	56.7	85.1

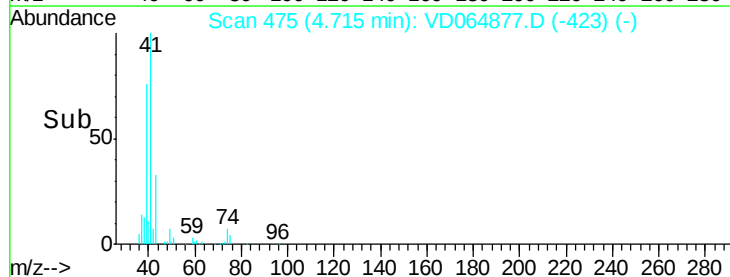
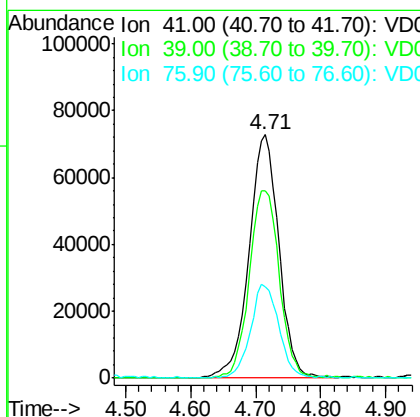
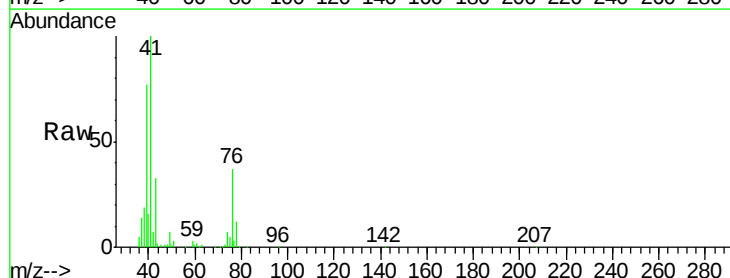
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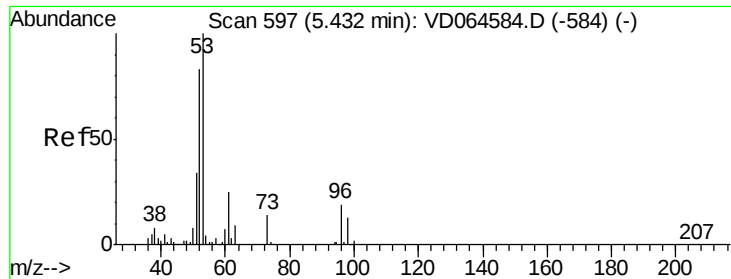
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#14
Allyl chloride
Concen: 60.411 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.6	62.3	93.5
76	36.4	29.7	44.5





#15

Acrylonitrile

Concen: 320.599 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

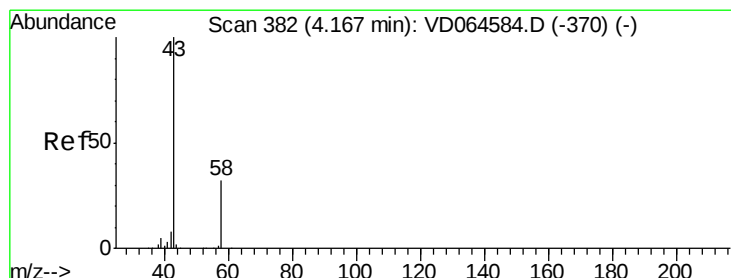
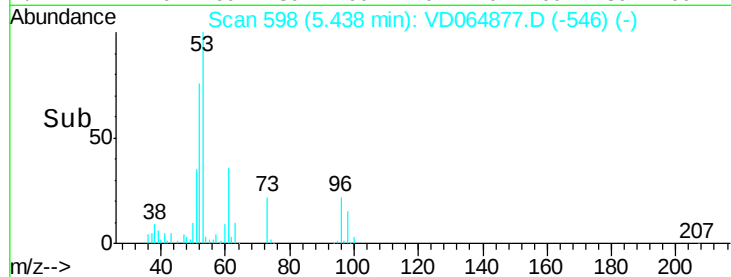
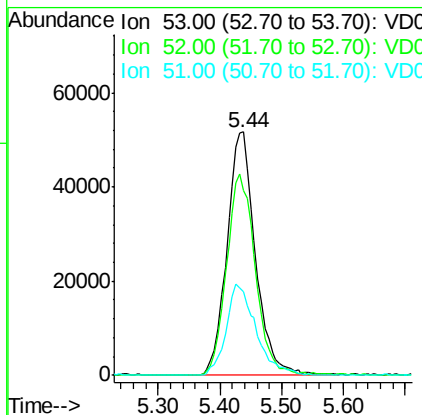
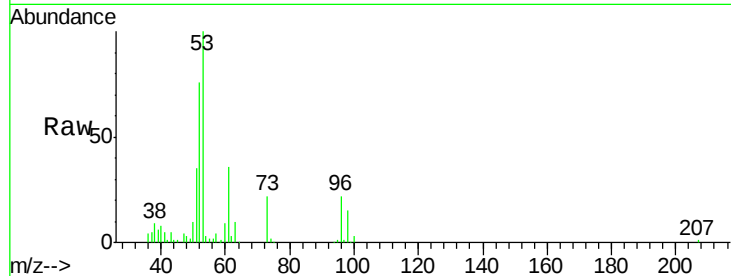
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	165424
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.2	99.2
51	39.3	30.1	45.1

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#16

Acetone

Concen: 294.286 ug/l

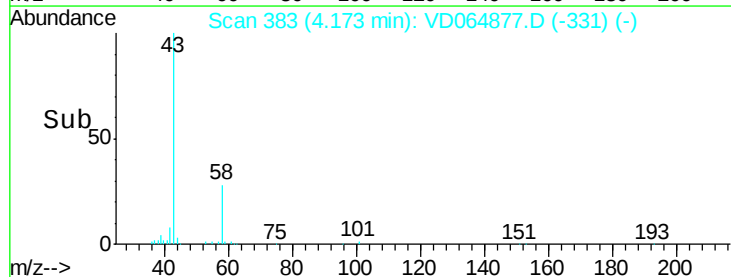
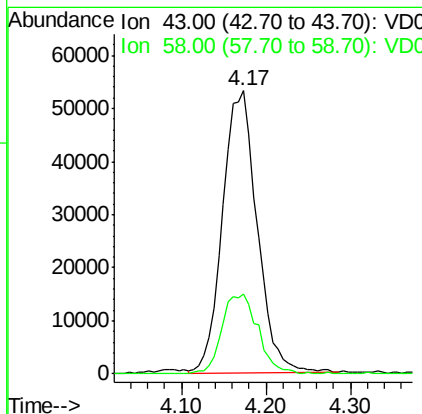
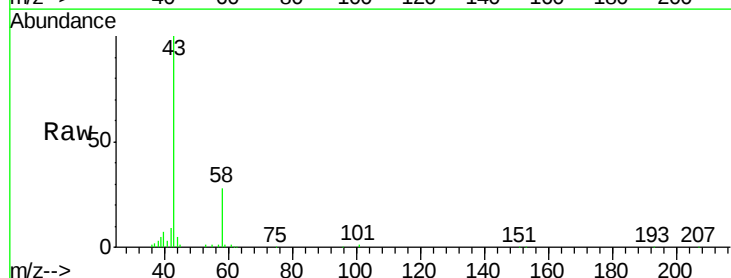
RT: 4.17 min Scan# 383

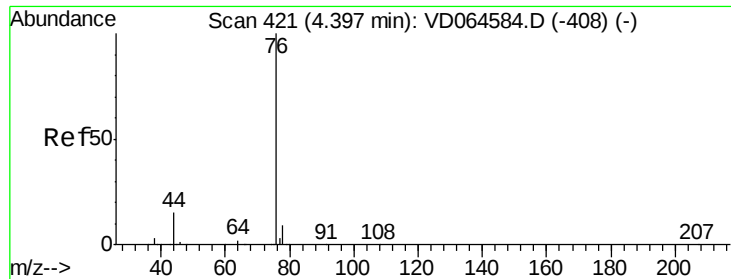
Delta R.T. 0.01 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Tgt Ion:	43	Resp:	149804
Ion Ratio	Lower	Upper	
43	100		
58	28.3	25.8	38.6





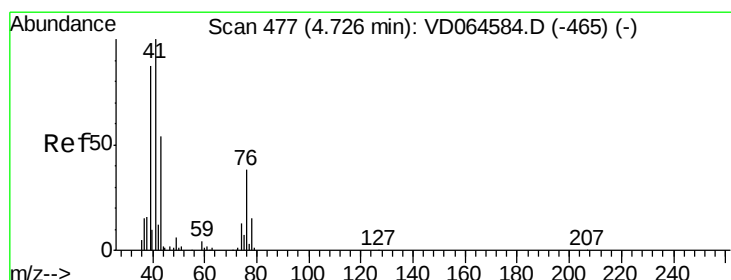
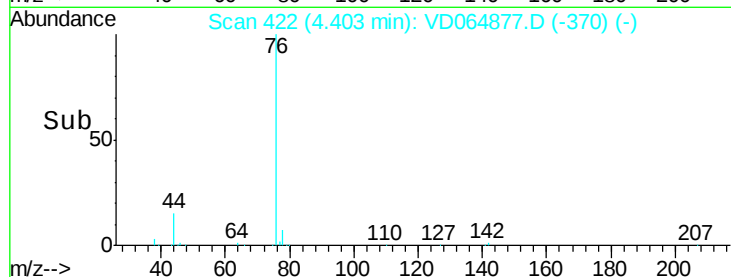
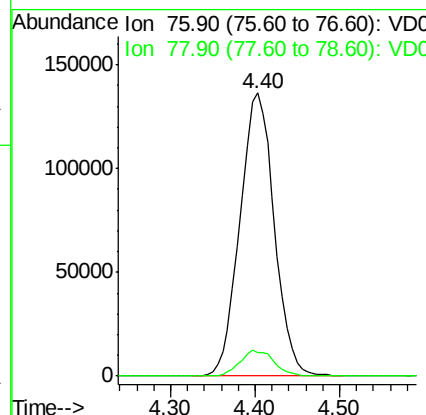
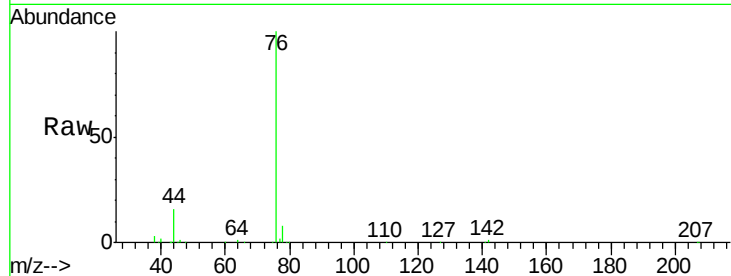
#17
Carbon Disulfide
Concen: 48.381 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.3	10.9

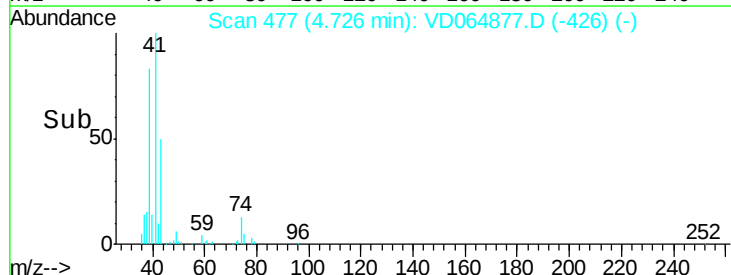
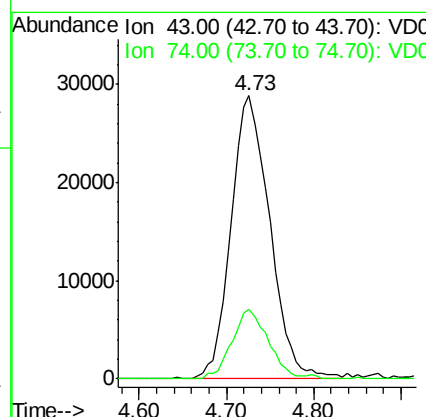
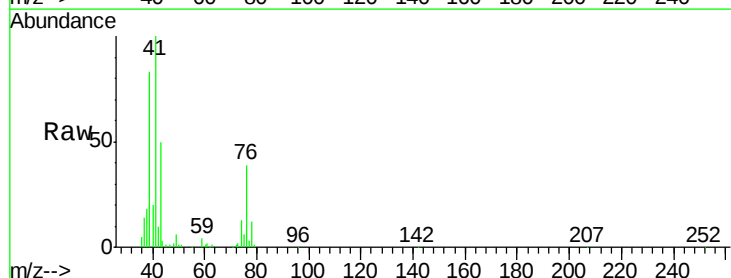
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#18
Methyl Acetate
Concen: 62.615 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.2	28.8





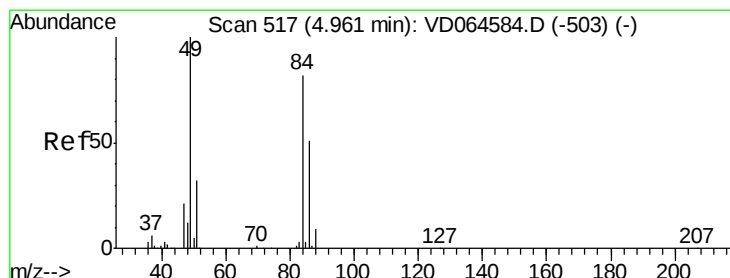
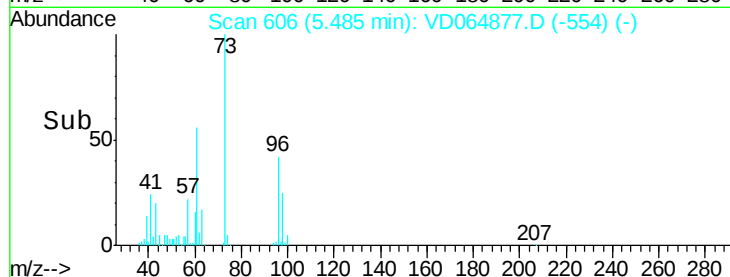
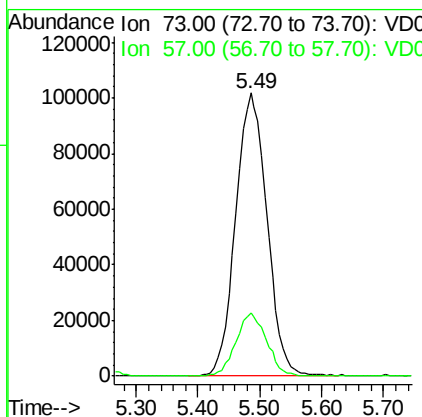
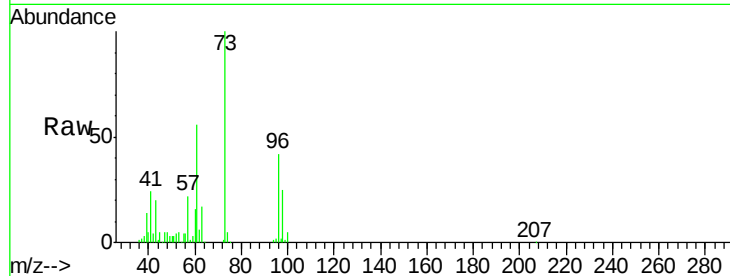
#19
Methyl tert-butyl Ether
Concen: 65.952 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.6	27.8

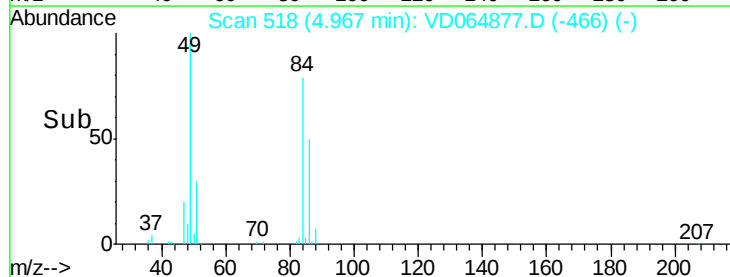
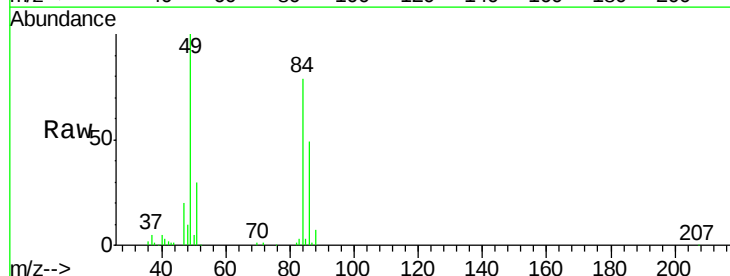
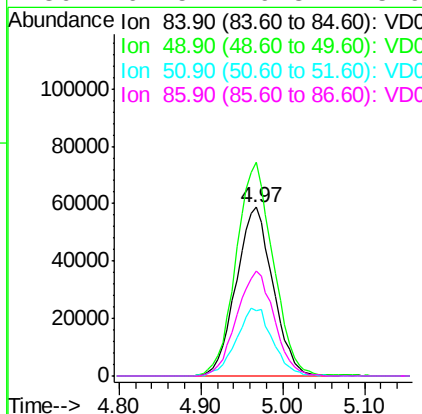
Manual Integrations
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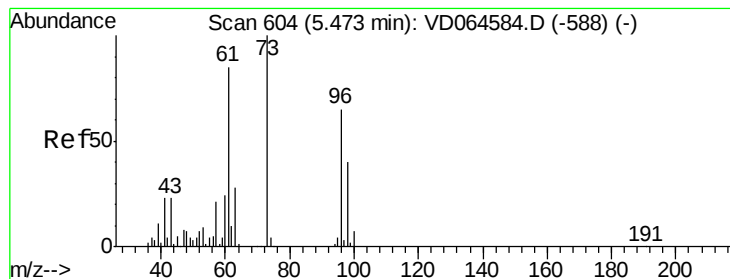
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#20
Methylene Chloride
Concen: 75.431 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.5	97.2	145.8
51	38.5	31.4	47.0
86	62.5	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 56.969 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 159576

Ion Ratio Lower Upper

96 100

61 134.4 104.7 157.1

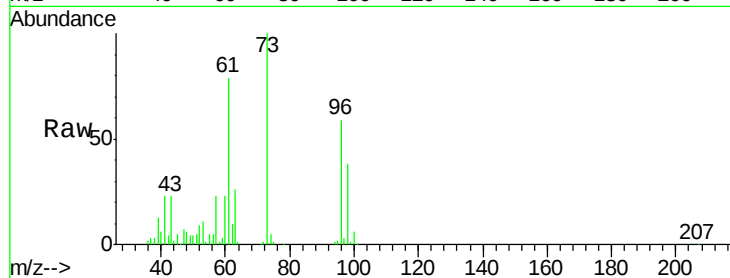
98 63.4 49.4 74.2

Manual Integrations

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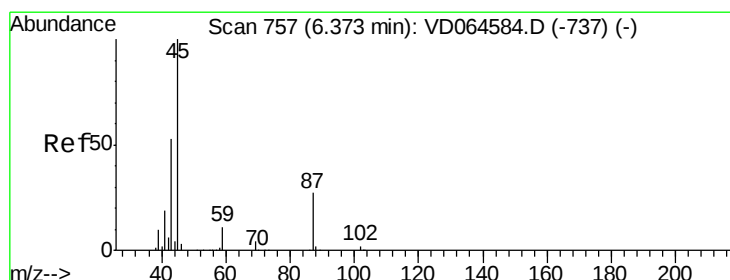
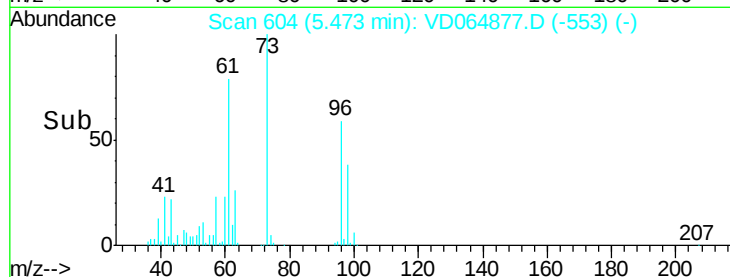
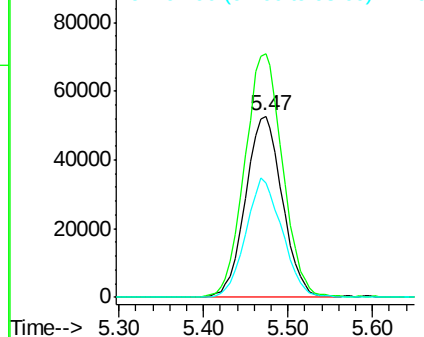
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 65.902 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Tgt Ion: 45 Resp: 504073

Ion Ratio Lower Upper

45 100

43 57.8 43.2 64.8

87 27.0 21.9 32.9

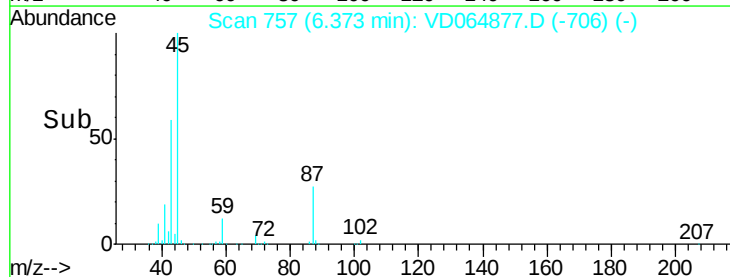
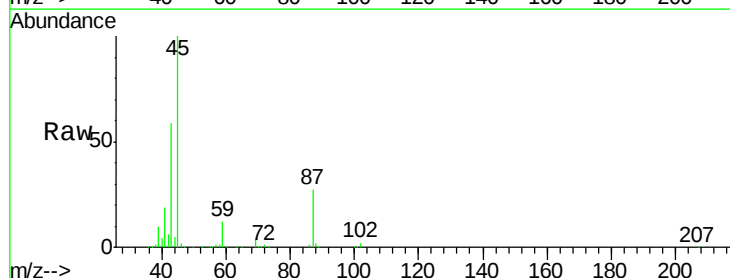
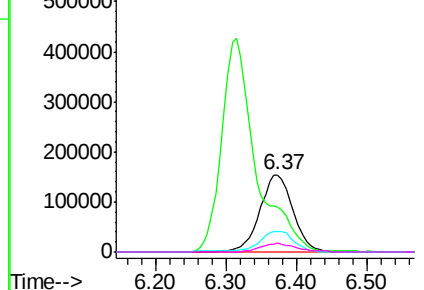
59 11.9 9.0 13.4

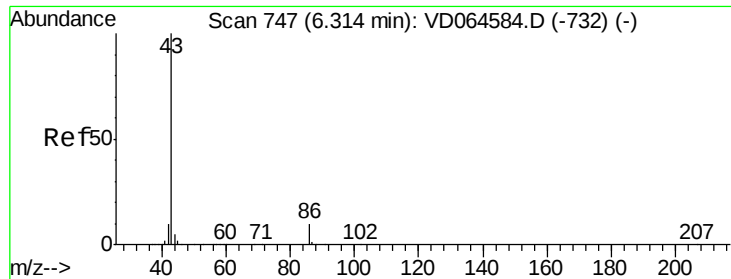
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 330.730 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1435003

Ion Ratio Lower Upper

43 100

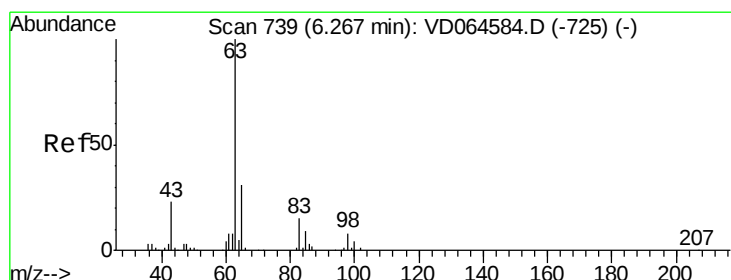
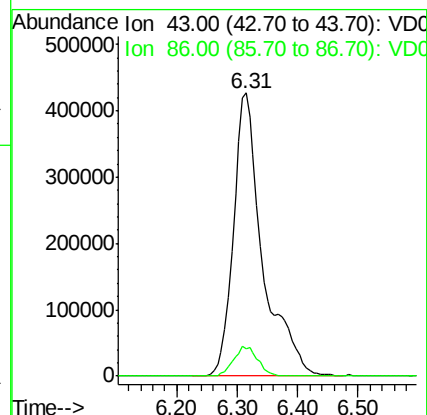
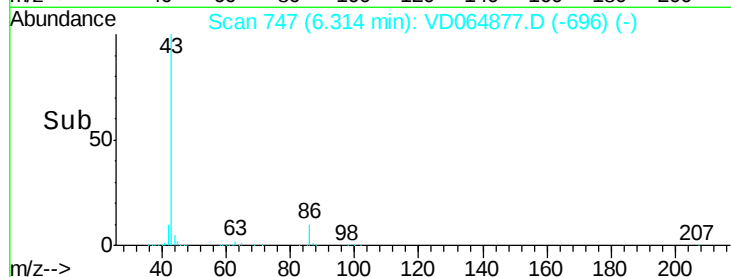
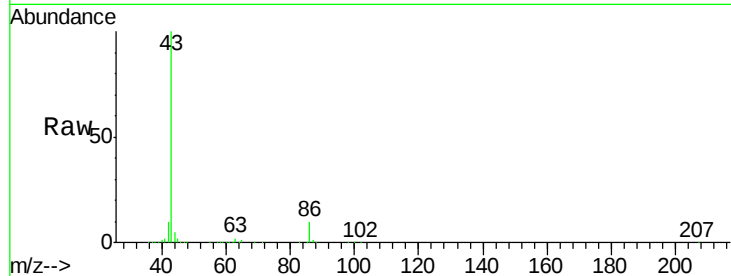
86 9.7 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 64.833 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

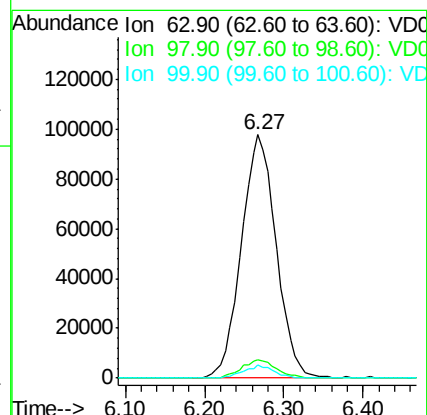
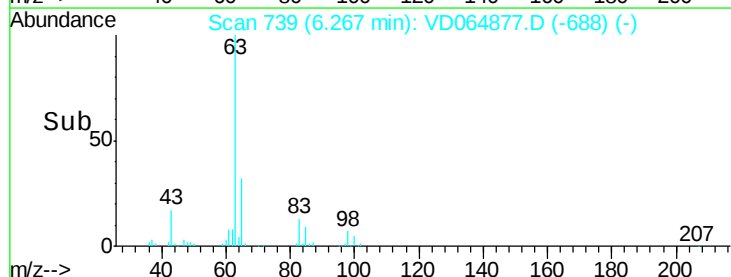
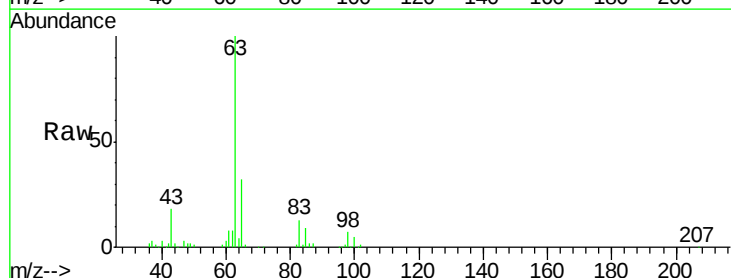
Tgt Ion: 63 Resp: 297706

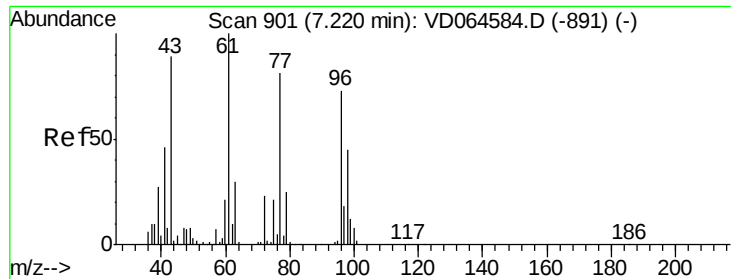
Ion Ratio Lower Upper

63 100

98 7.4 4.1 12.3

100 5.2 2.2 6.6





#25

2-Butanone

Concen: 321.864 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 218102

Ion Ratio Lower Upper

43 100

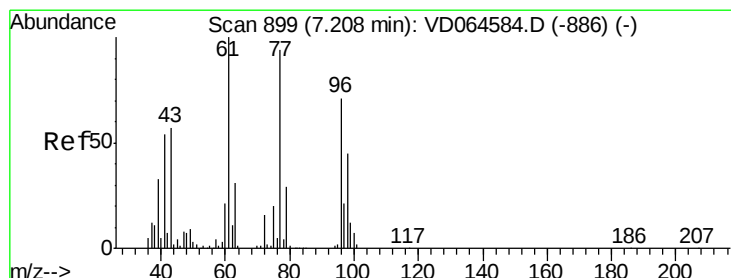
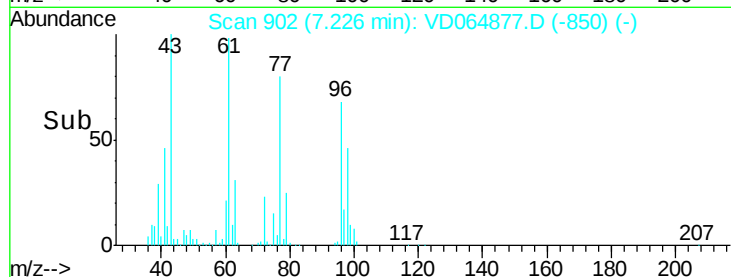
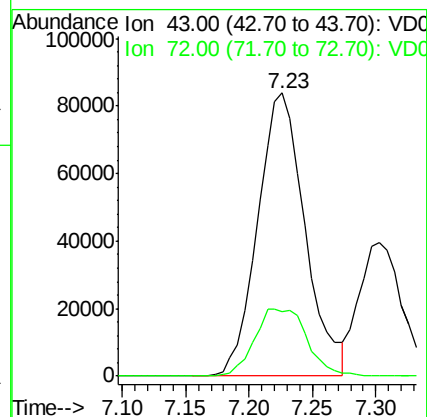
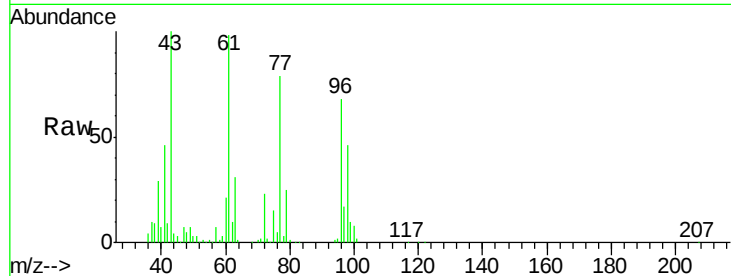
72 22.6 20.7 31.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 58.179 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064877.D

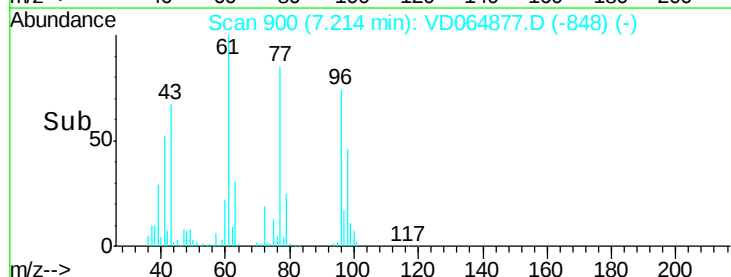
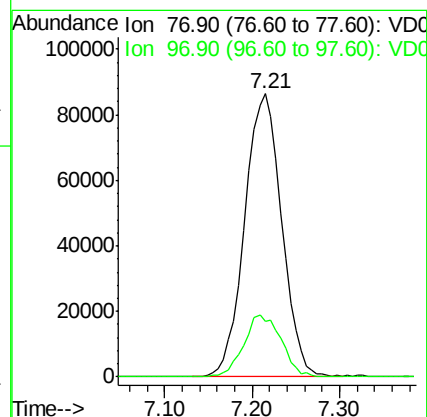
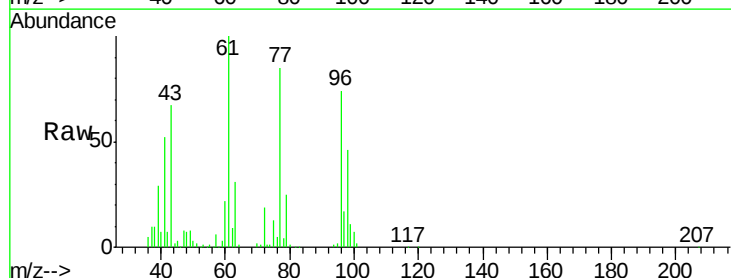
Acq: 17 Jan 2020 21:56

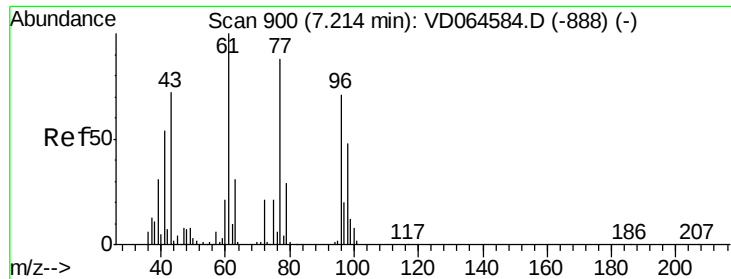
Tgt Ion: 77 Resp: 248385

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

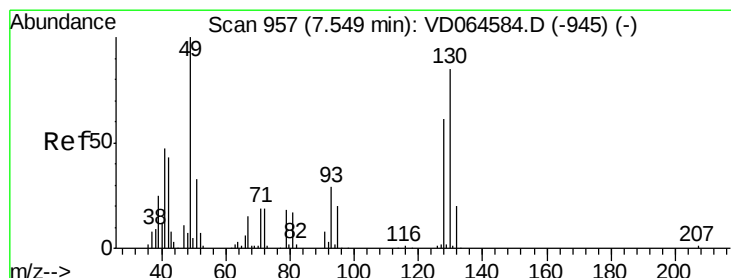
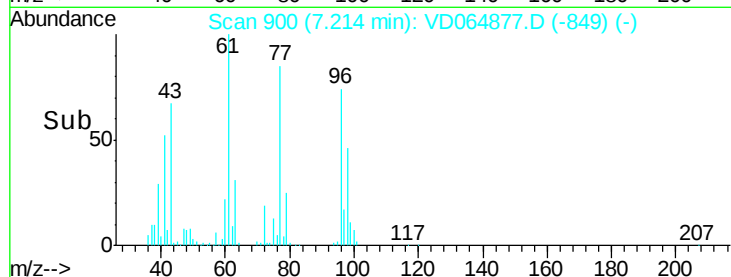
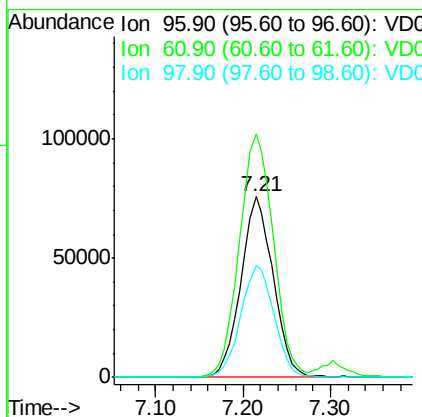
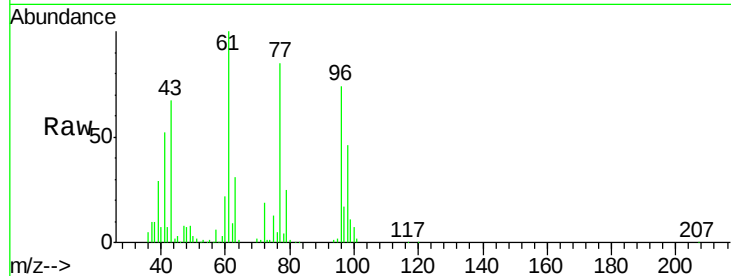
cis-1,2-Dichloroethene
 Concen: 62.616 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	189290		
61	142.3	0.0	282.6	
98	63.9	0.0	130.8	

Manual Integrations
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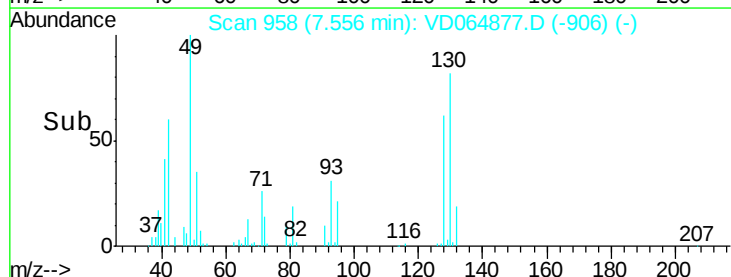
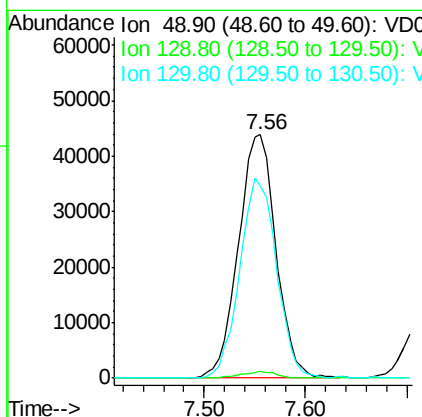
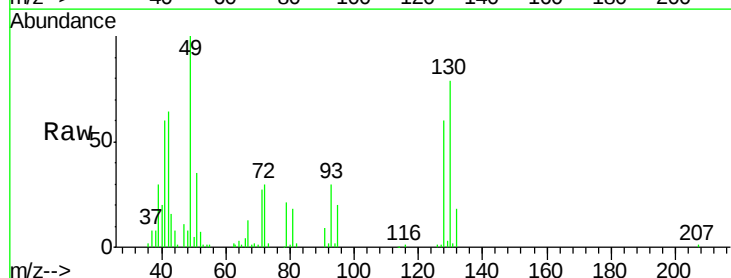
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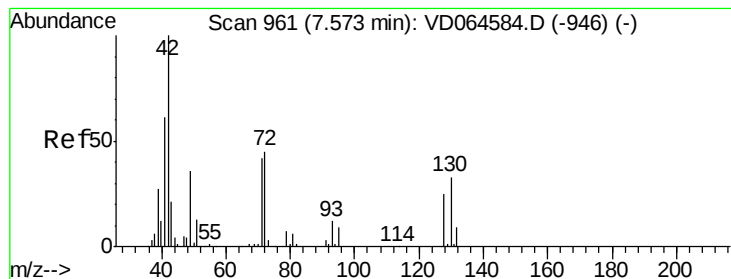


#28

Bromochloromethane
 Concen: 63.028 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112504		
129	2.5	0.0	4.8	
130	80.7	65.0	97.6	





#29

Tetrahydrofuran

Concen: 320.950 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

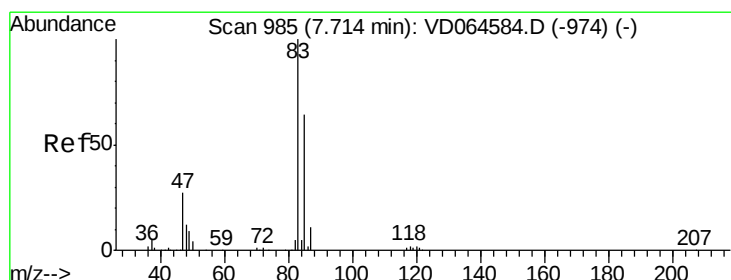
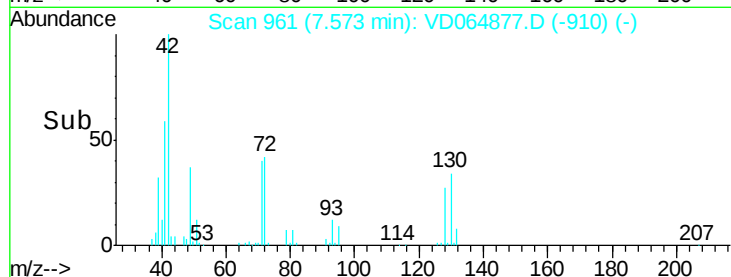
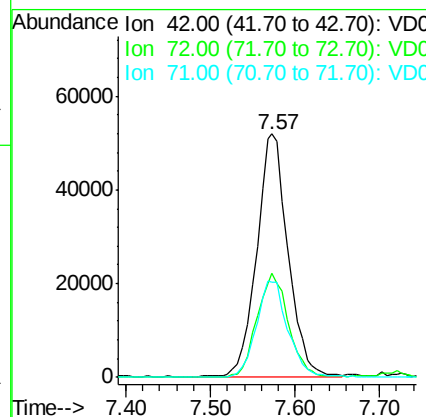
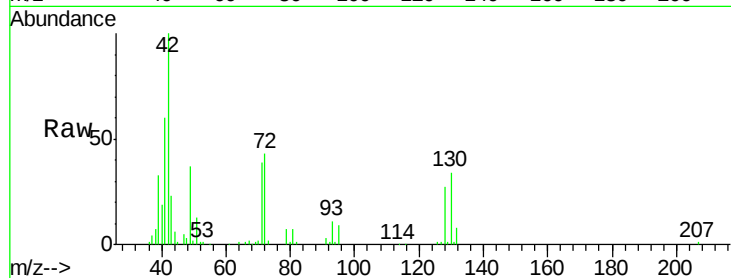
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	135247
Ion Ratio	Lower	Upper	
42	100		
72	42.7	35.0	52.4
71	39.7	32.9	49.3

Manual Integrations
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#30

Chloroform

Concen: 65.798 ug/l

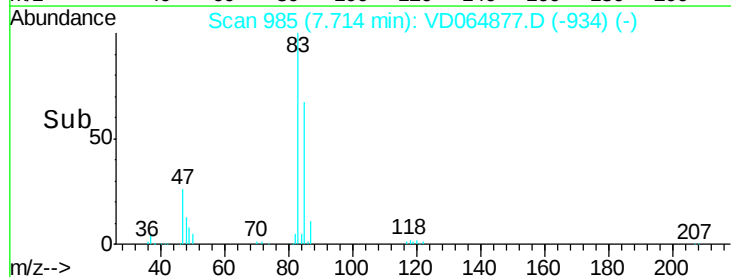
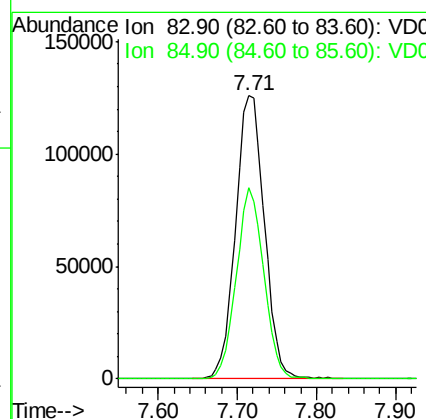
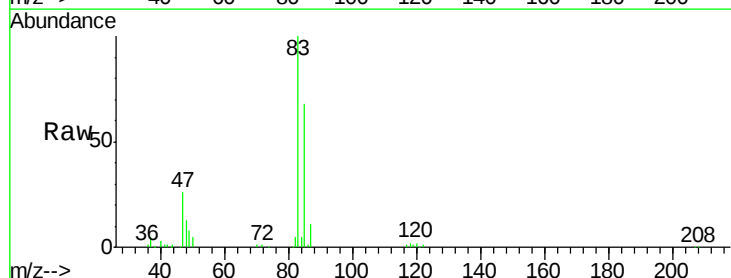
RT: 7.71 min Scan# 985

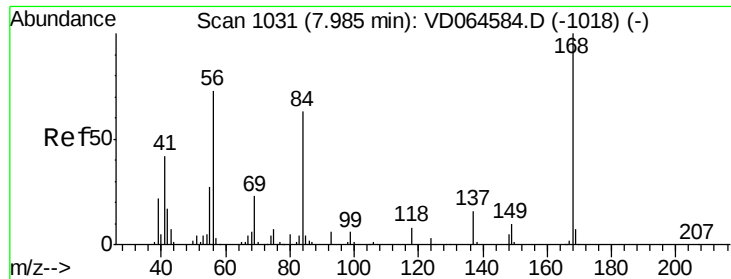
Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Tgt Ion:	83	Resp:	316990
Ion Ratio	Lower	Upper	
83	100		
85	67.6	51.1	76.7





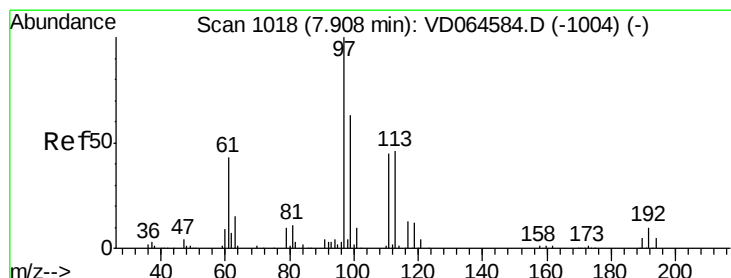
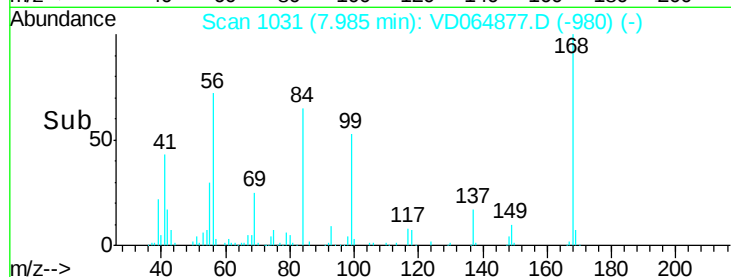
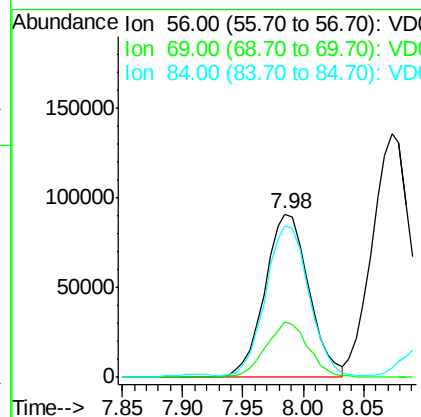
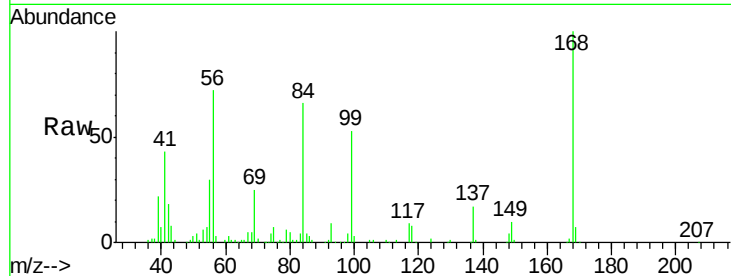
#31
Cyclohexane
Concen: 49.913 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	24.7	37.1
84	90.3	69.4	104.2

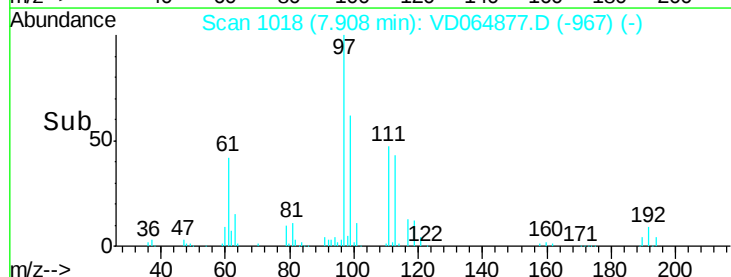
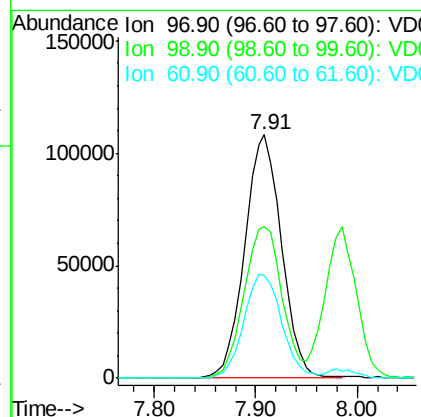
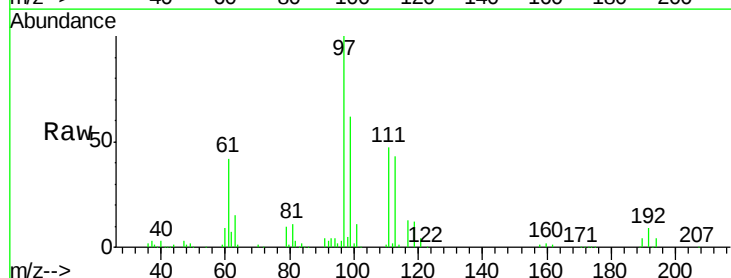
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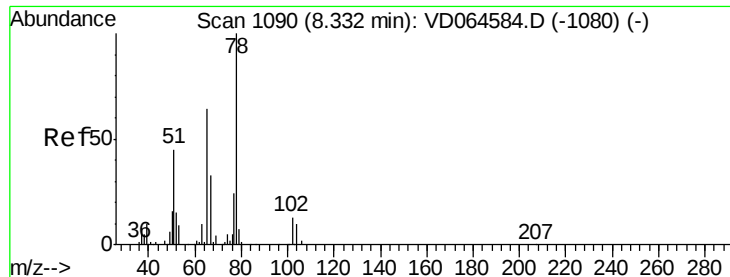
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#32
1,1,1-Trichloroethane
Concen: 60.358 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	44.0	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 67.011 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 165195

Ion Ratio Lower Upper

65 100

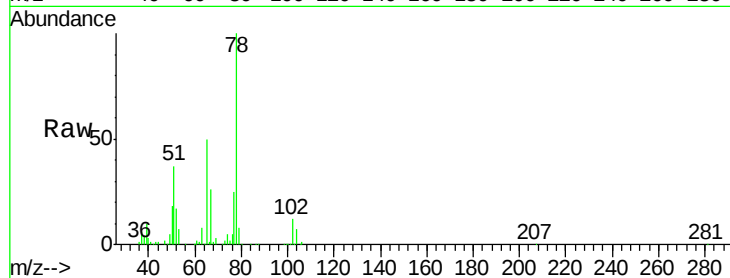
67 50.9 0.0 106.2

Manual Integrations

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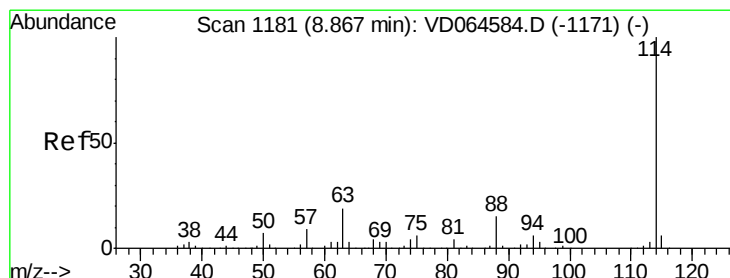
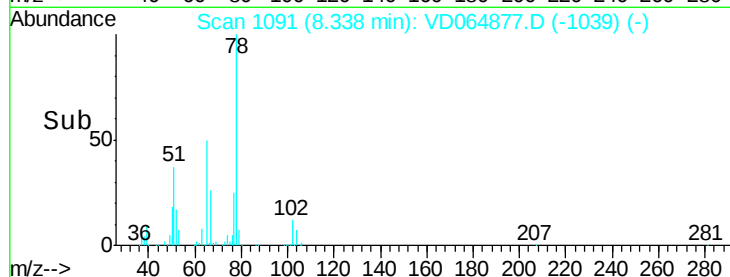
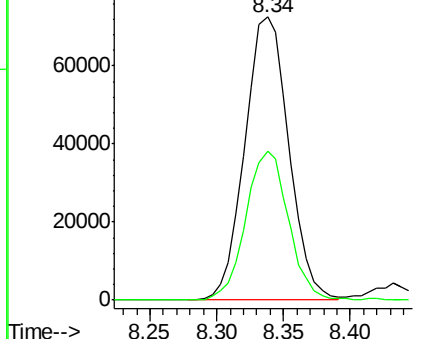
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

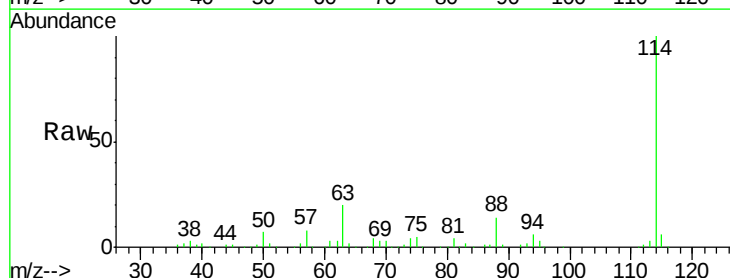
Tgt Ion: 114 Resp: 424127

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

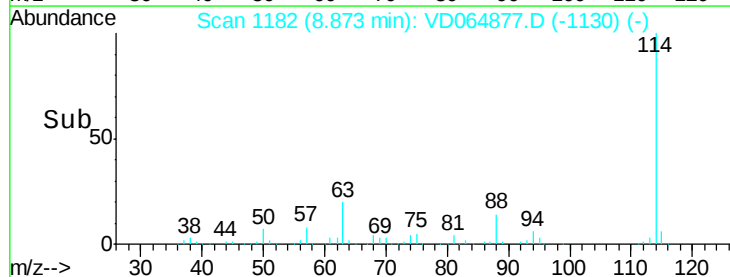
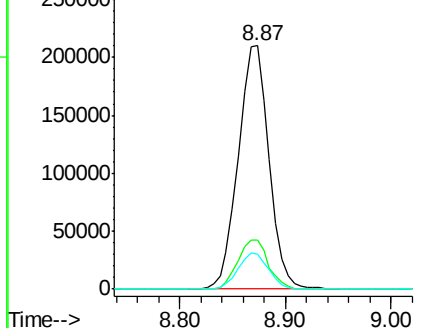
88 14.3 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





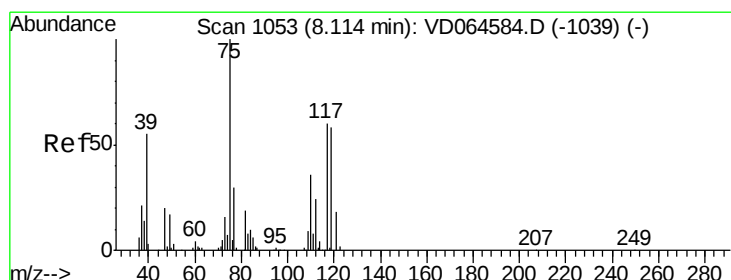
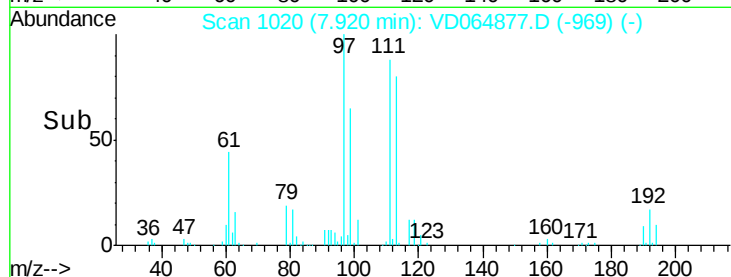
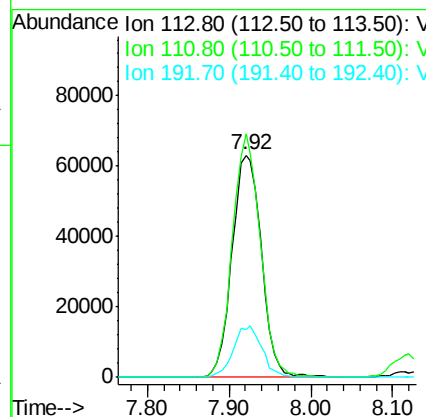
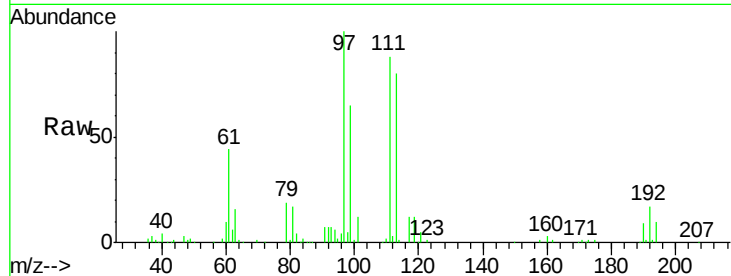
#35
 Dibromofluoromethane
 Concen: 60.739 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	158048		
111	104.2	80.6	121.0	
192	22.4	17.9	26.9	

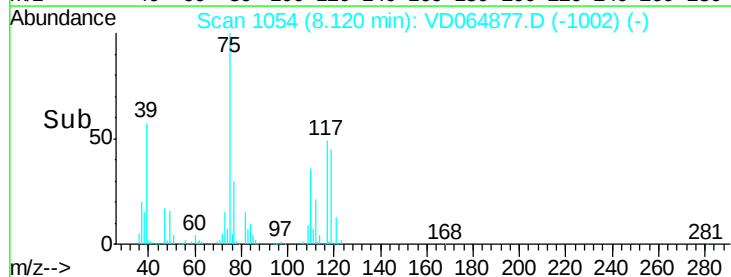
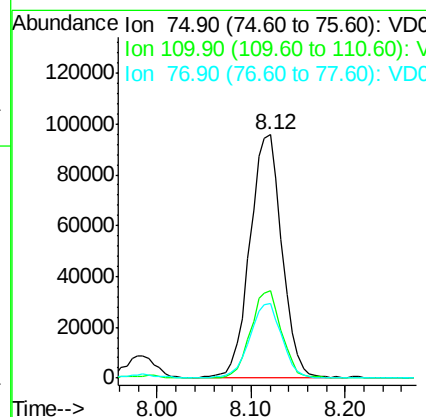
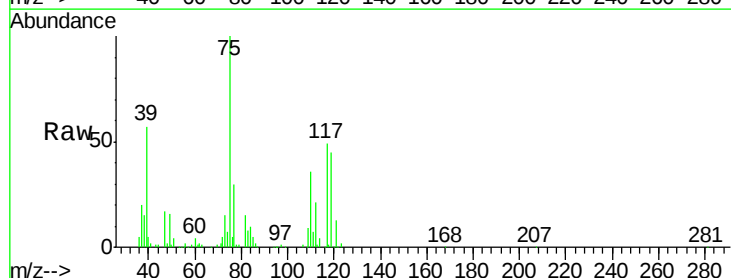
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#36
 1,1-Dichloropropene
 Concen: 55.172 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	225222		
110	34.8	18.1	54.1	
77	30.8	24.2	36.4	





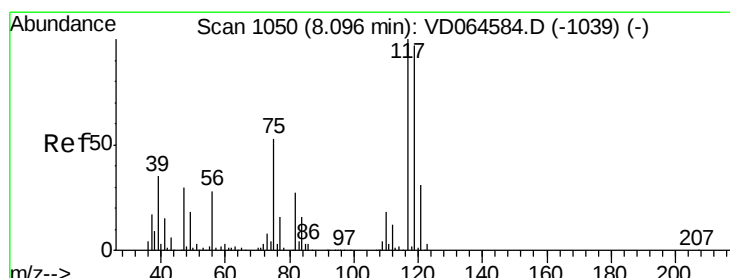
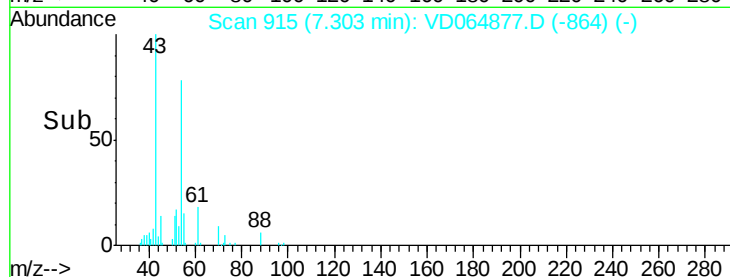
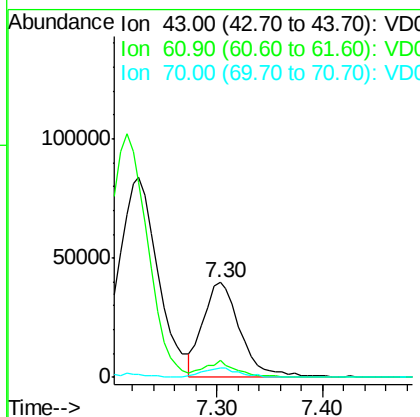
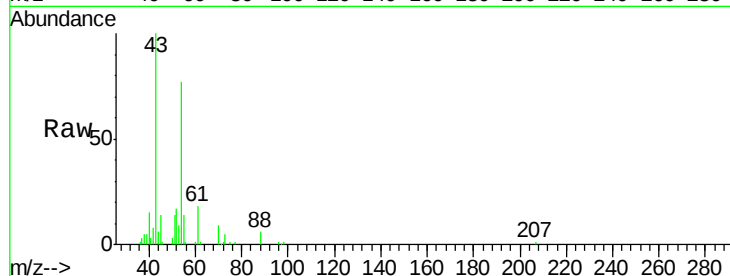
#37
Ethyl Acetate
Concen: 59.880 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	10.3	15.5
70	9.8	7.6	11.4

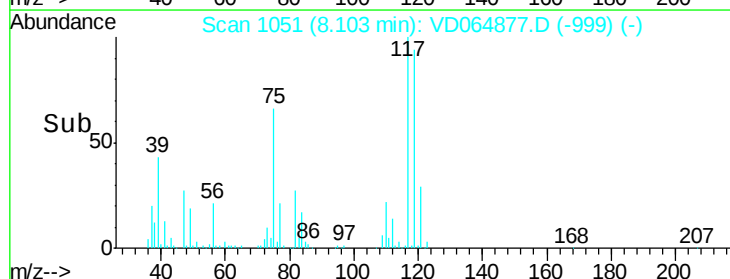
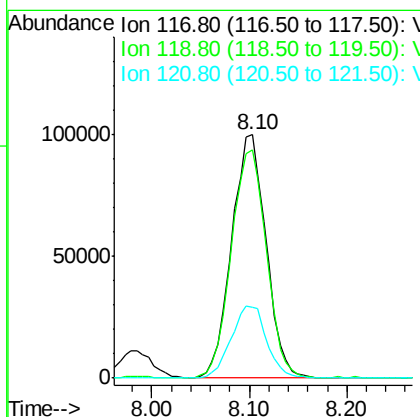
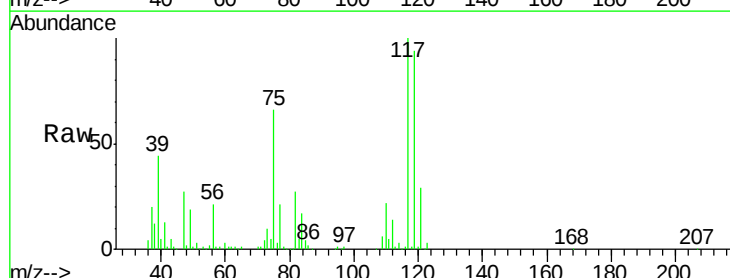
Manual Integrations
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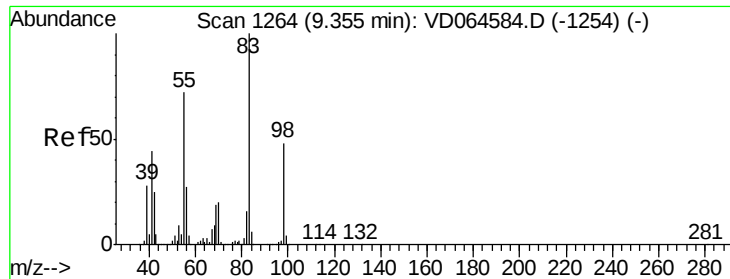
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#38
Carbon Tetrachloride
Concen: 56.228 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.3	115.9
121	29.3	25.0	37.6





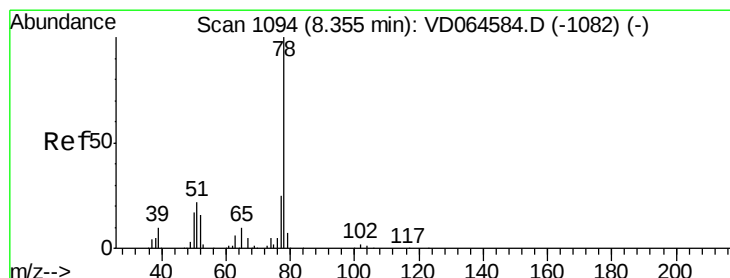
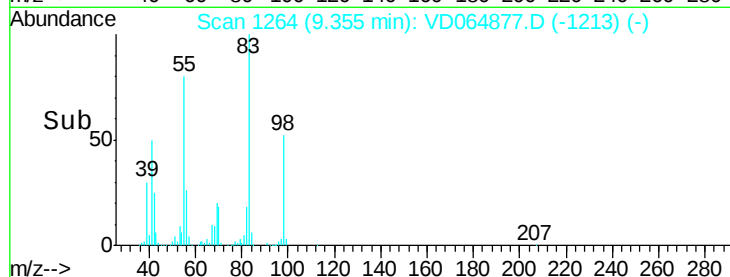
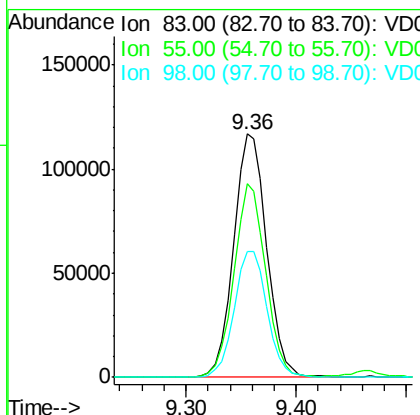
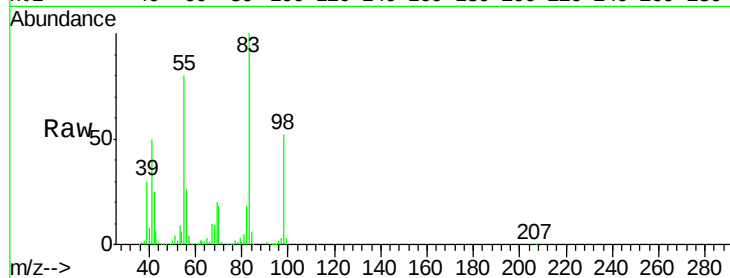
#39
Methvlcvclohexane
Concen: 49.644 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	57.8	86.6
98	51.9	38.7	58.1

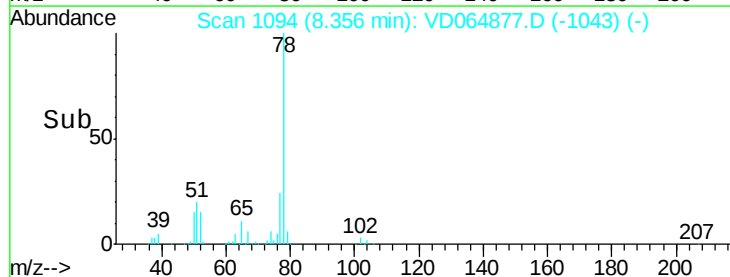
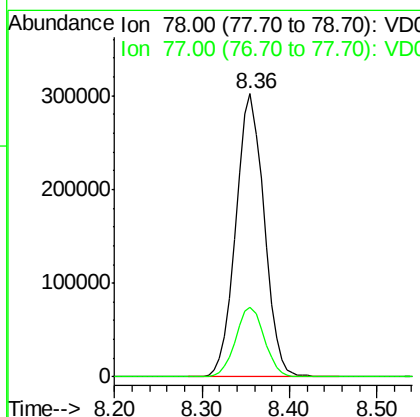
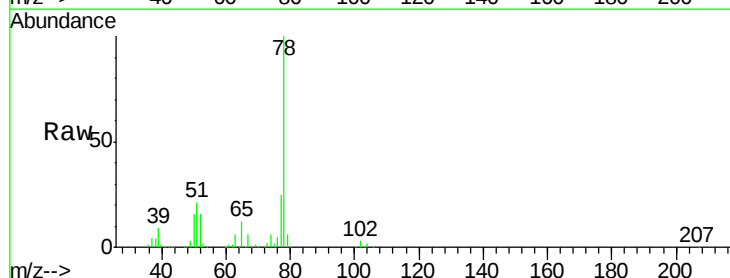
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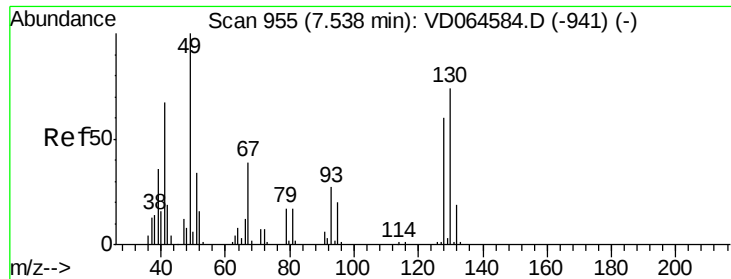
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#40
Benzene
Concen: 59.233 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.9	29.9





#41

Methacrylonitrile

Concen: 56.668 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 52728

Ion Ratio Lower Upper

41 100

39 57.0 46.7 70.1

67 79.5 52.5 78.7#

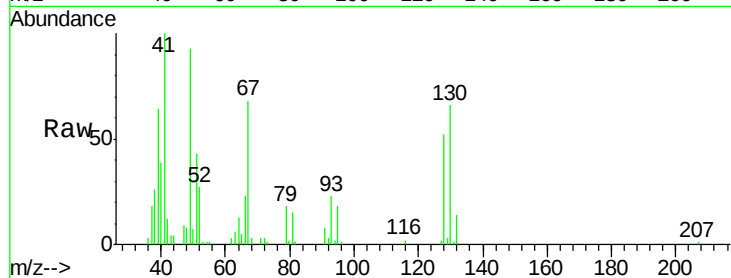
52 33.2 24.1 36.1

Manual Integrations

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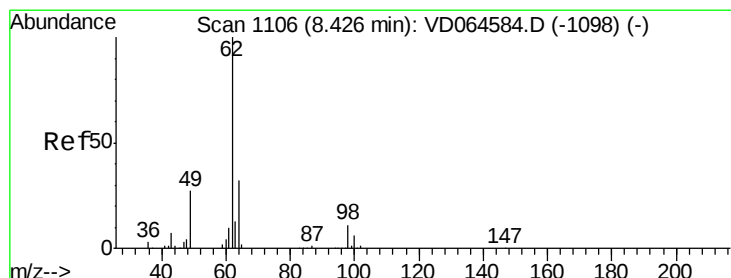
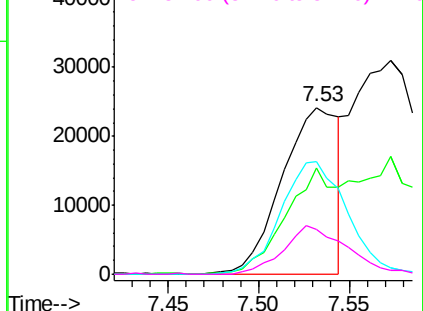
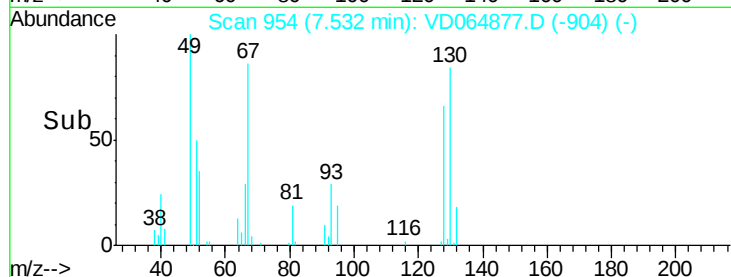


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 63.401 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064877.D

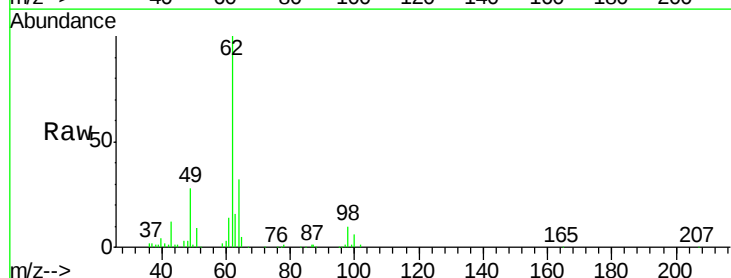
Acq: 17 Jan 2020 21:56

Tgt Ion: 62 Resp: 204173

Ion Ratio Lower Upper

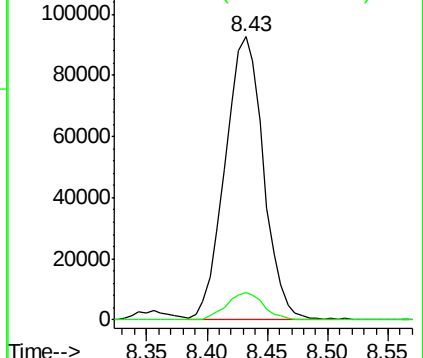
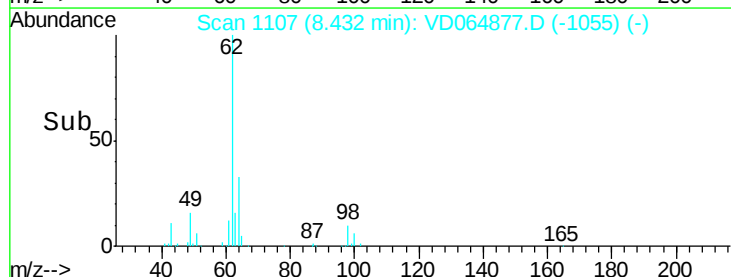
62 100

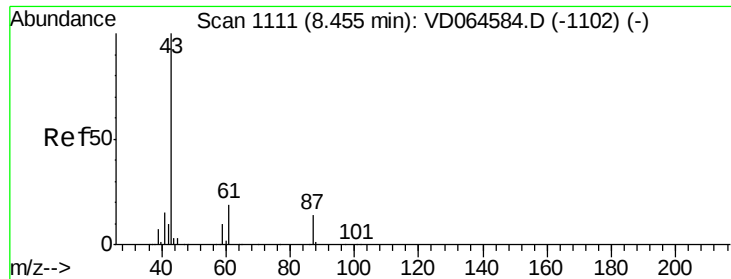
98 9.5 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





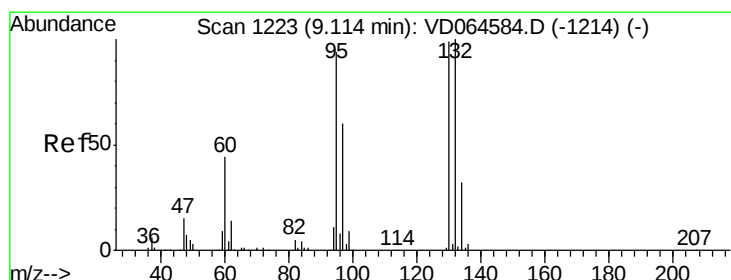
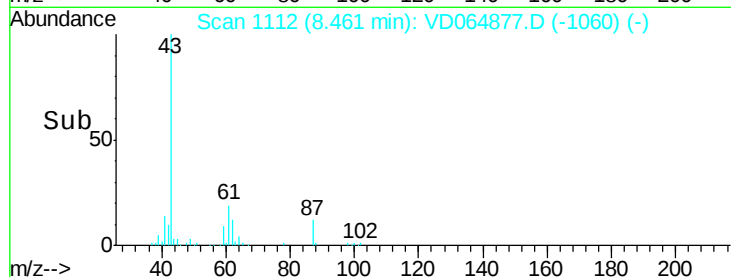
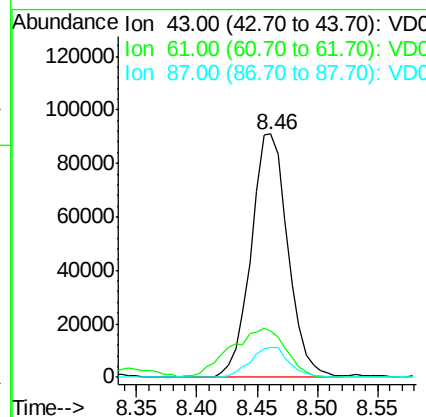
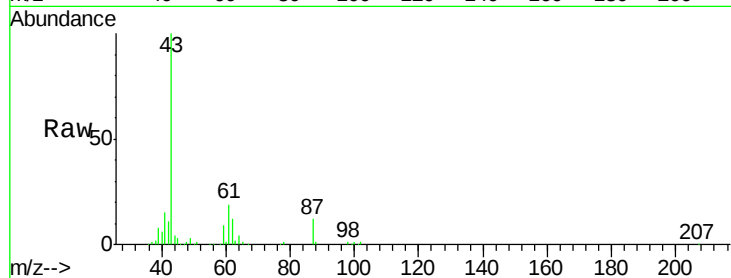
#43
Isopropyl Acetate
Concen: 60.791 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.7	35.5
87	13.1	10.5	15.7

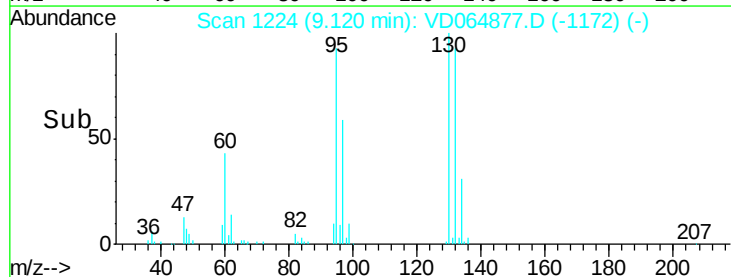
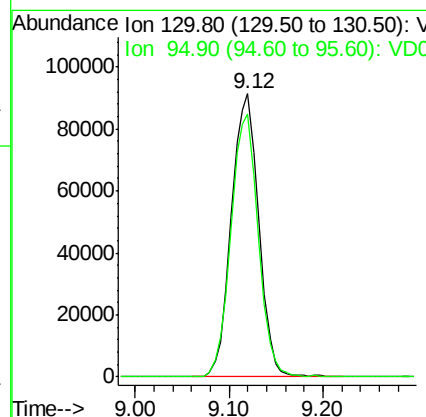
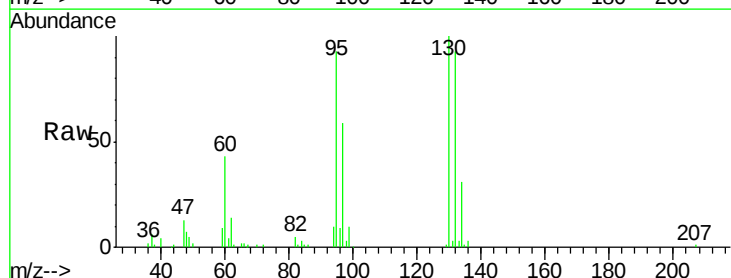
Manual Integrations
APPROVED

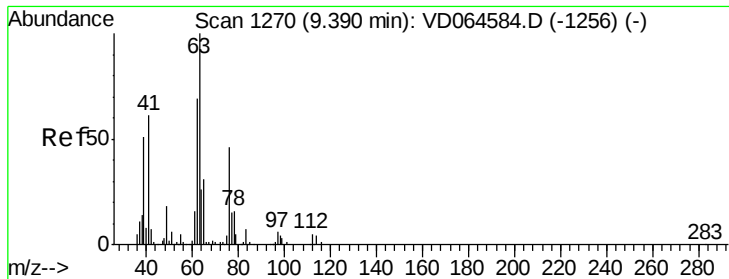
MMDadoda
1/20/2020 11:14:34 AM



#44
Trichloroethene
Concen: 56.314 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	190.2





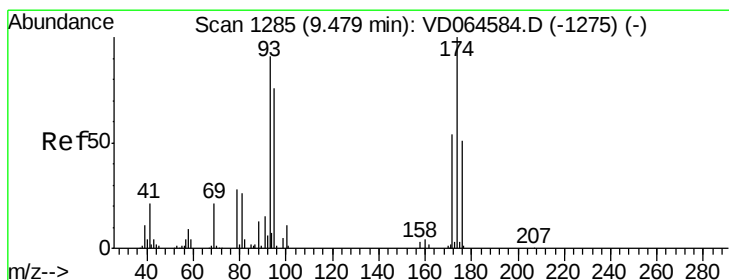
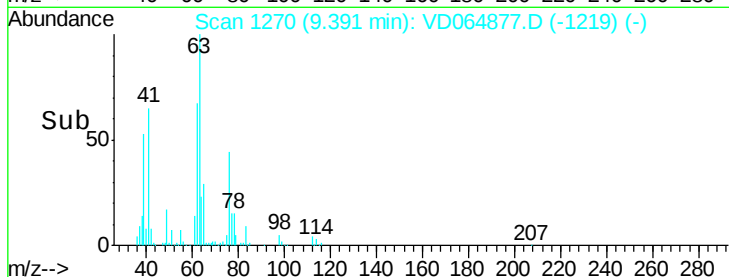
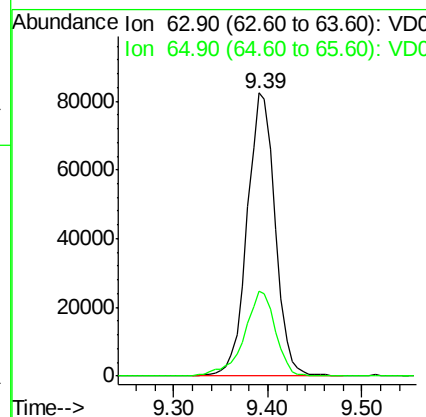
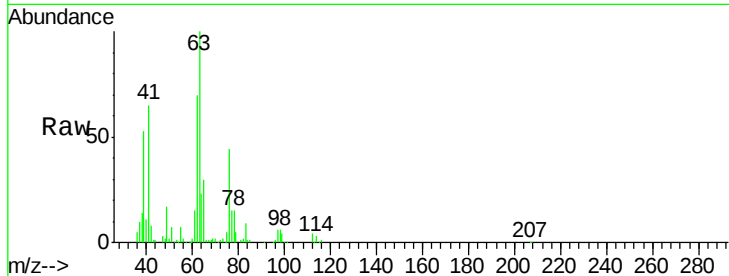
#45
 1,2-Dichloropropane
 Concen: 63.801 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	25.2	37.8

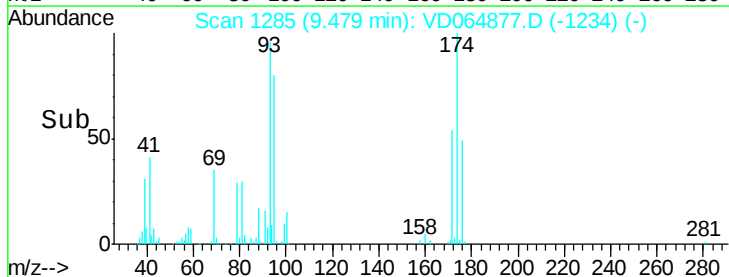
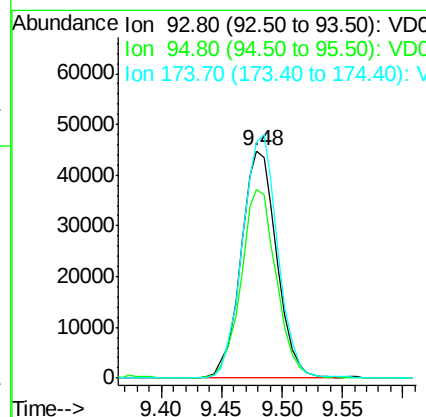
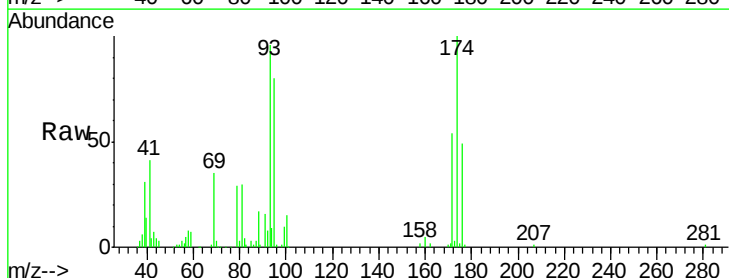
Manual Integrations
 APPROVED

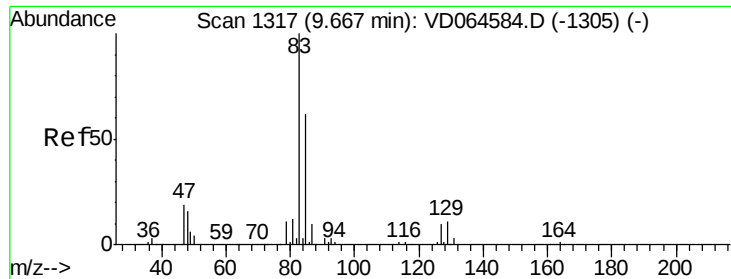
MMDadoda
 1/20/2020 11:14:34 AM



#46
 Dibromomethane
 Concen: 61.918 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	64.6	97.0
174	106.5	88.1	132.1





#47

Bromodichloromethane

Concen: 62.416 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

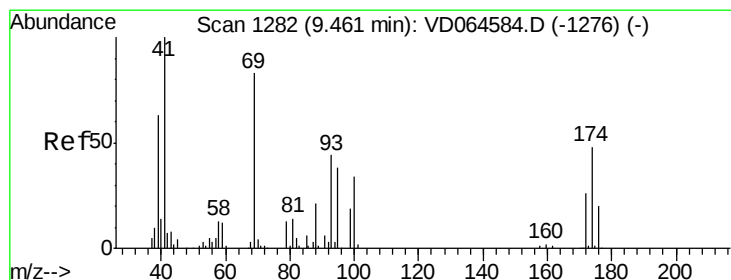
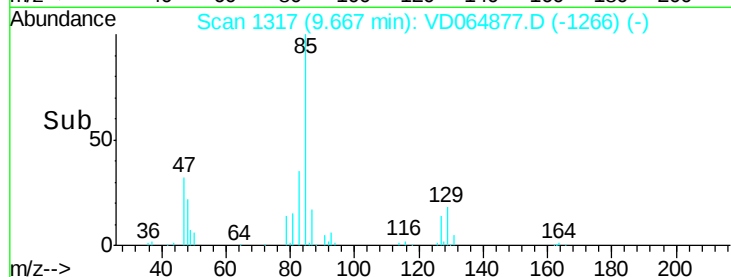
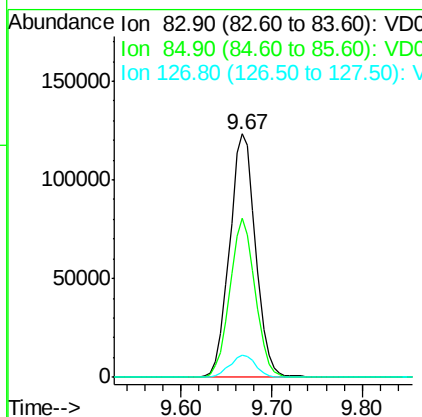
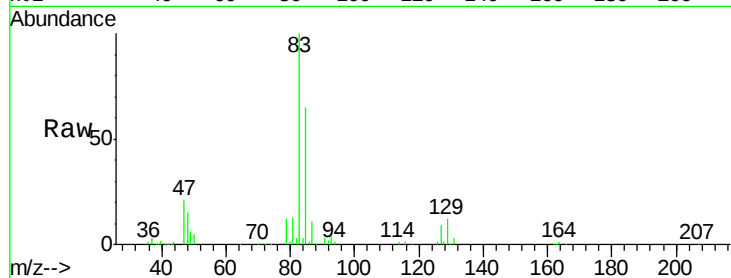
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	246387
Ion	Ratio	Lower	Upper
83	100		
85	65.5	49.5	74.3
127	9.3	7.8	11.6

Manual Integrations
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1/20/2020 11:14:34 AM



#48

Methyl methacrylate

Concen: 59.056 ug/l

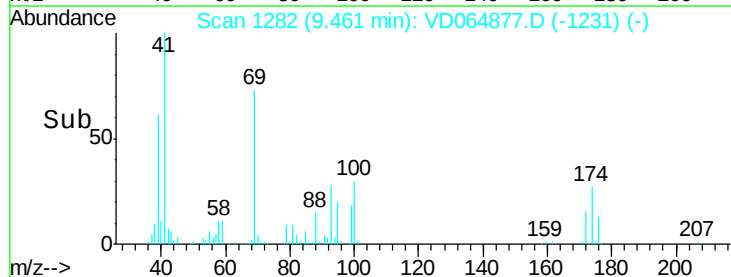
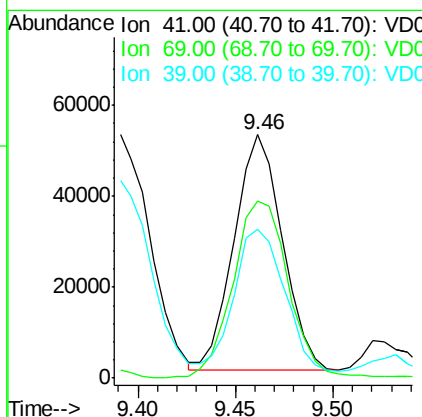
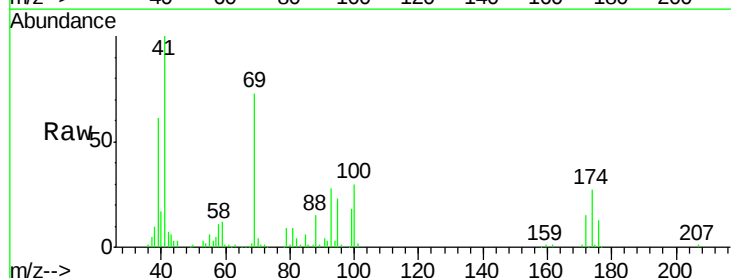
RT: 9.46 min Scan# 1282

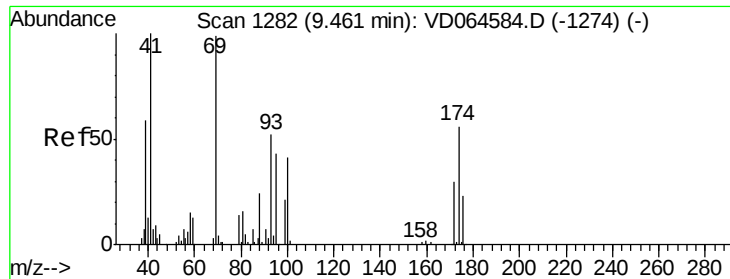
Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Tgt Ion:	41	Resp:	88760
Ion	Ratio	Lower	Upper
41	100		
69	85.3	63.0	94.6
39	70.3	47.4	71.2





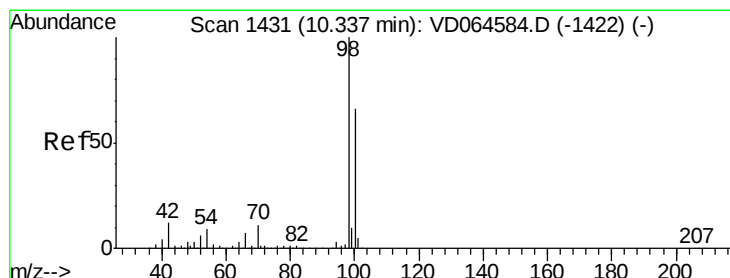
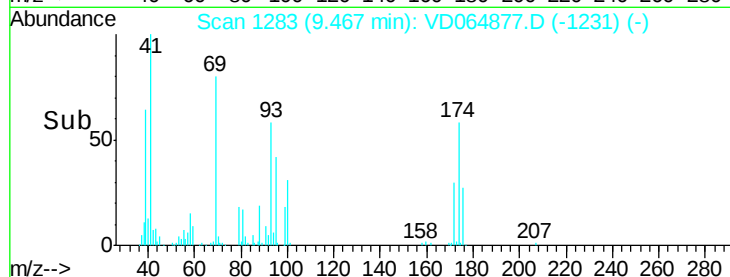
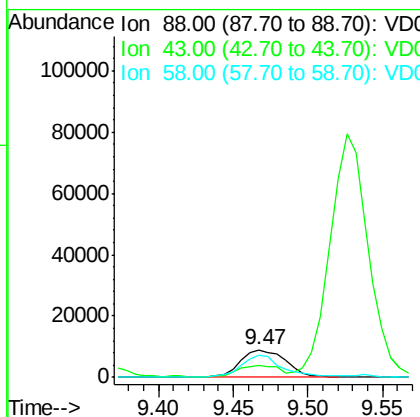
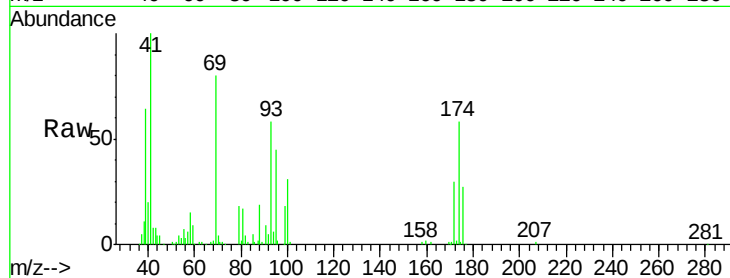
#49
1,4-Dioxane
Concen: 1136.305 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	19437
Ion Ratio	Lower	Upper	
88	100		
43	36.9	27.7	41.5
58	71.2	53.8	80.6

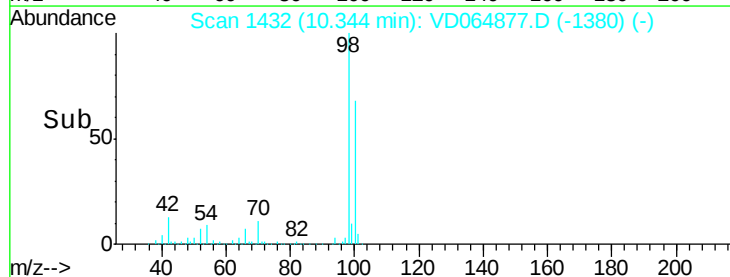
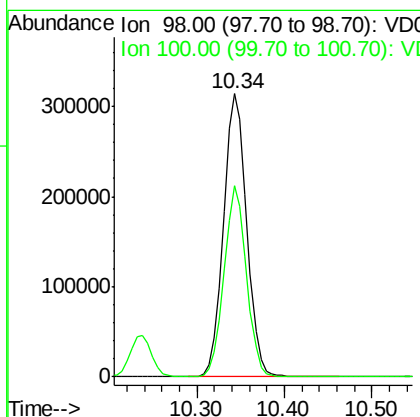
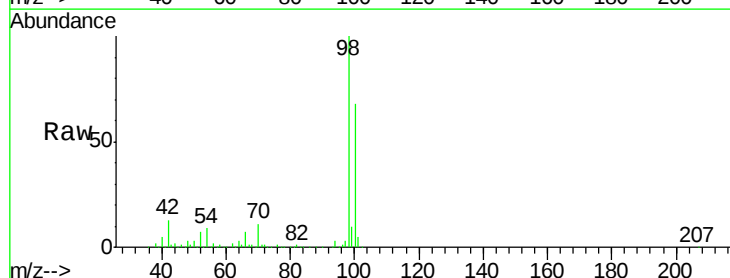
Manual Integrations
APPROVED

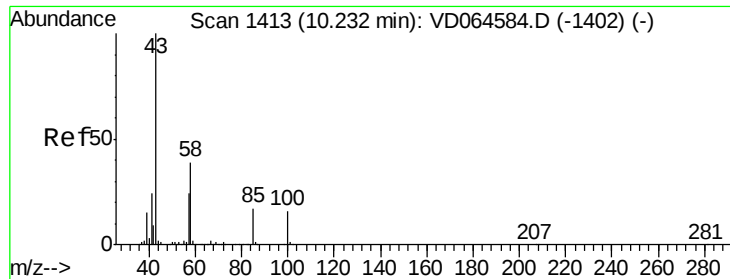
MMDadoda
1/20/2020 11:14:34 AM



#50
Toluene-d8
Concen: 57.659 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	98	Resp	574612
Ion Ratio	Lower	Upper	
98	100		
100	65.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 312.978 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 493803

Ion Ratio Lower Upper

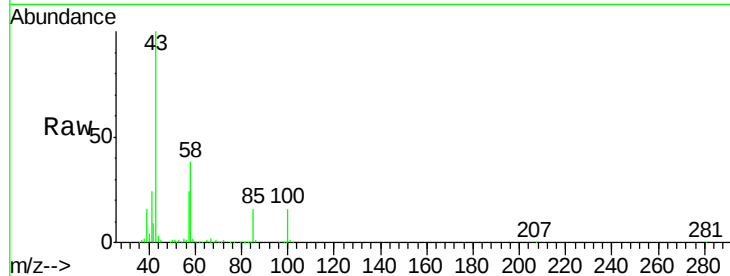
43 100

58 38.0 30.2 45.2

Manual Integrations
APPROVED

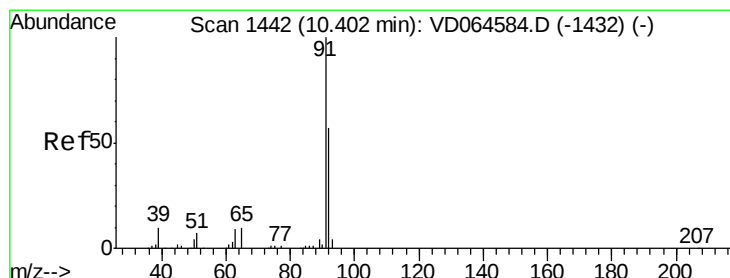
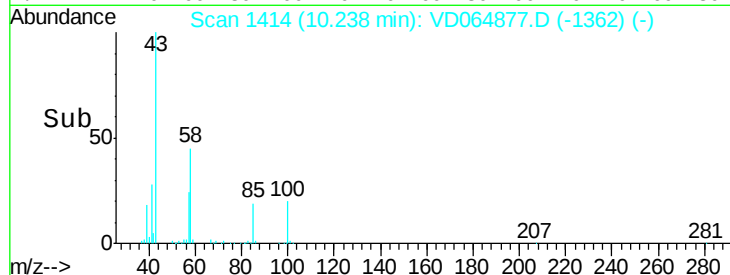
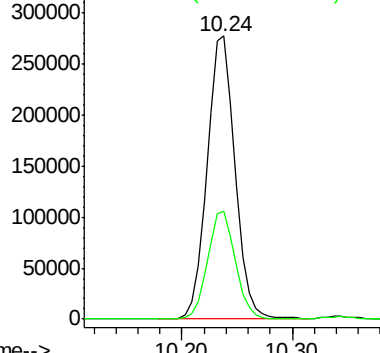
MMDadoda

1/20/2020 11:14:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 58.109 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064877.D

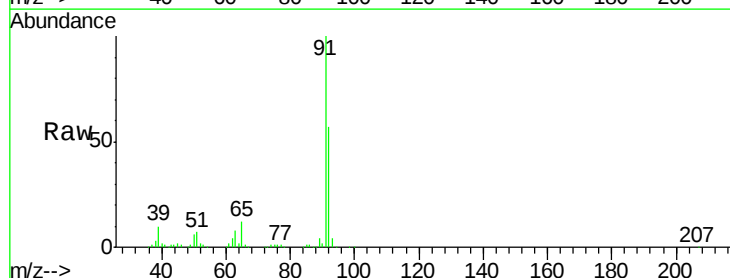
Acq: 17 Jan 2020 21:56

Tgt Ion: 92 Resp: 424856

Ion Ratio Lower Upper

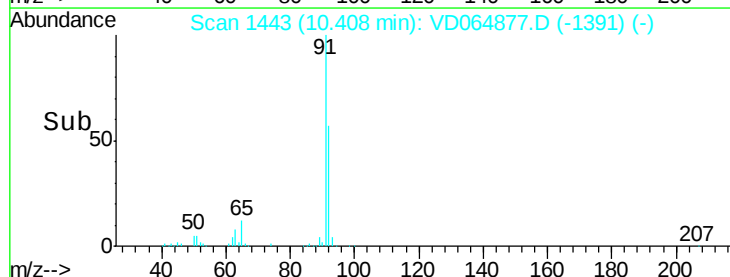
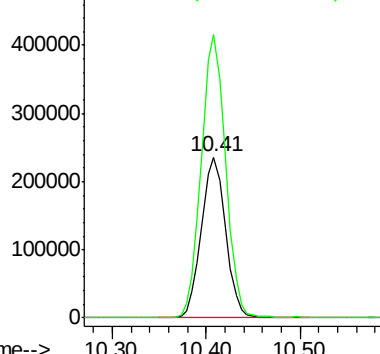
92 100

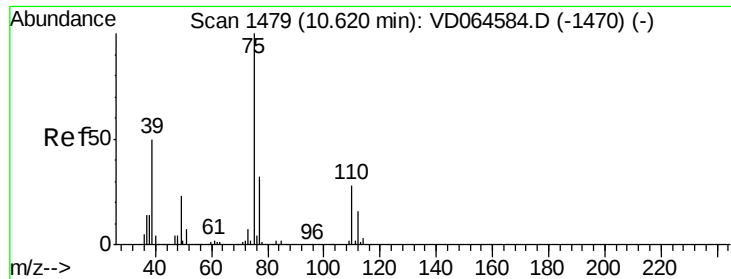
91 175.5 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





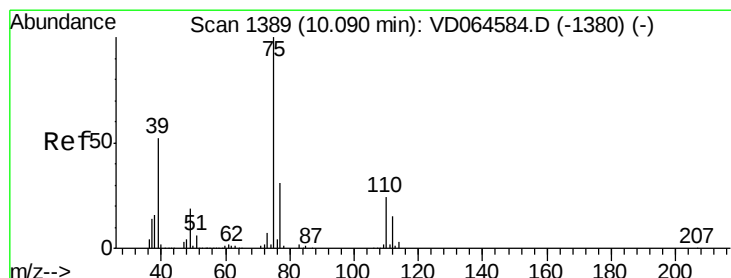
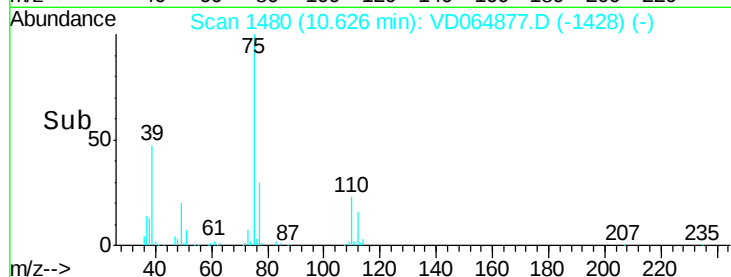
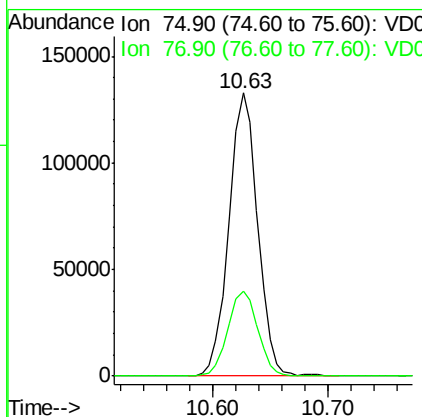
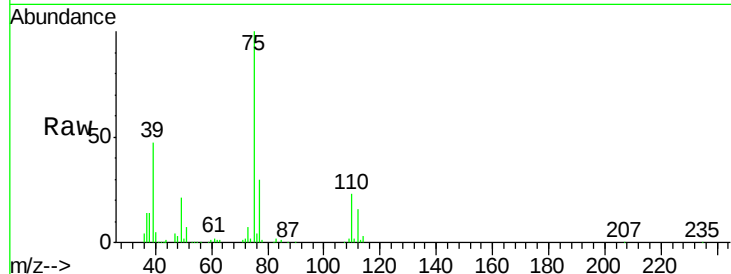
#53
t-1,3-Dichloropropene
Concen: 62.351 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 229472
Ion Ratio Lower Upper
75 100
77 29.8 25.4 38.2

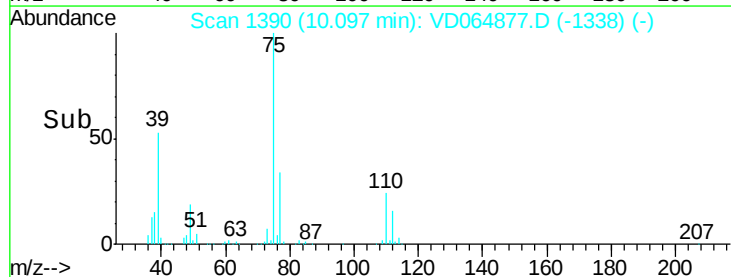
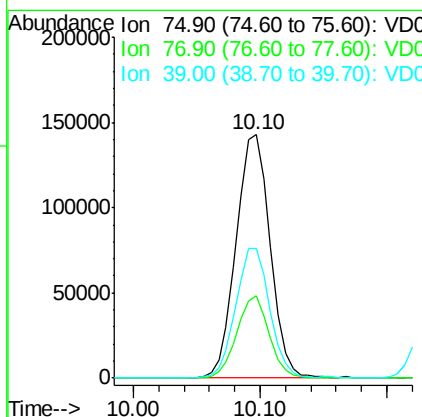
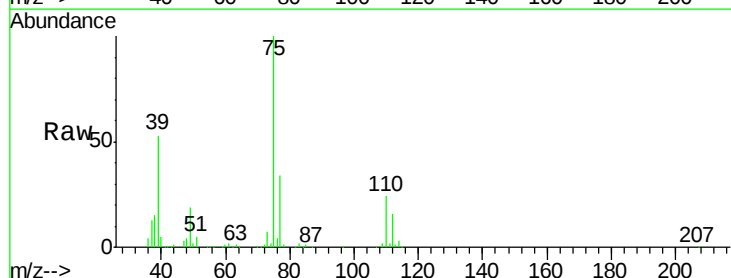
Manual Integrations
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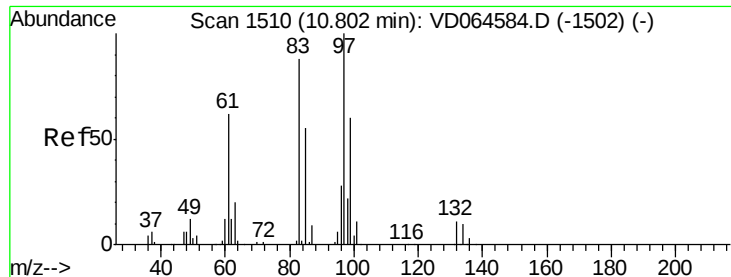
MMDadoda
1/20/2020 11:14:34 AM



#54
cis-1,3-Dichloropropene
Concen: 61.525 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion: 75 Resp: 266994
Ion Ratio Lower Upper
75 100
77 33.7 24.6 36.8
39 52.9 41.4 62.2





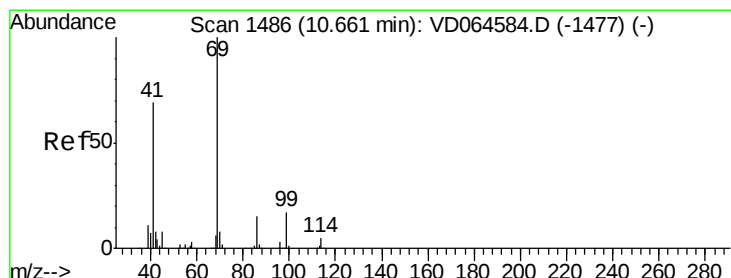
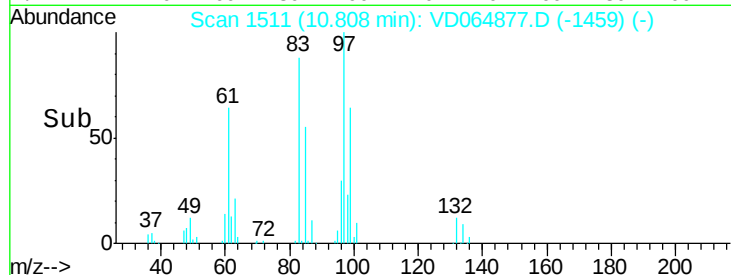
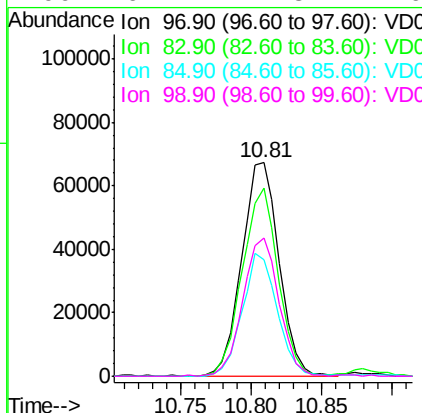
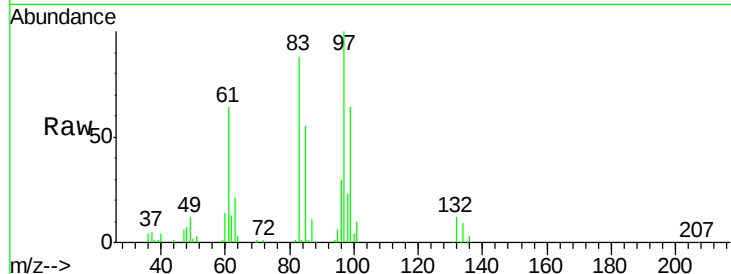
#55
 1,1,2-Trichloroethane
 Concen: 62.541 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	125034		
83	88.1	70.2	105.4	
85	54.6	44.0	66.0	
99	64.1	47.8	71.6	

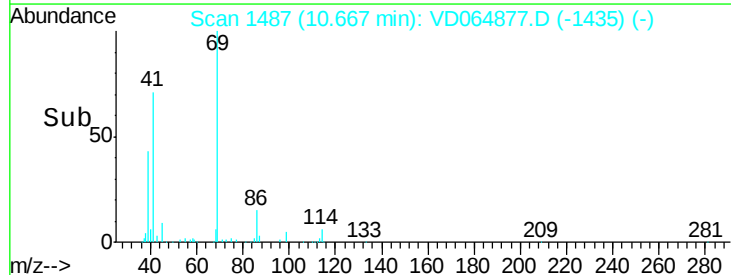
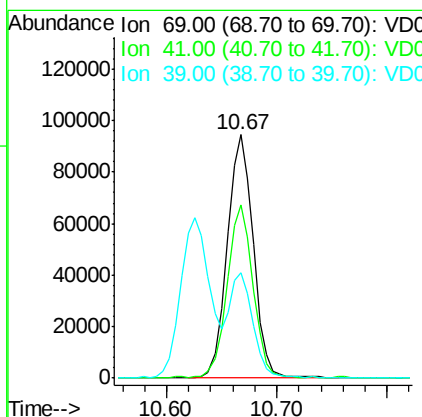
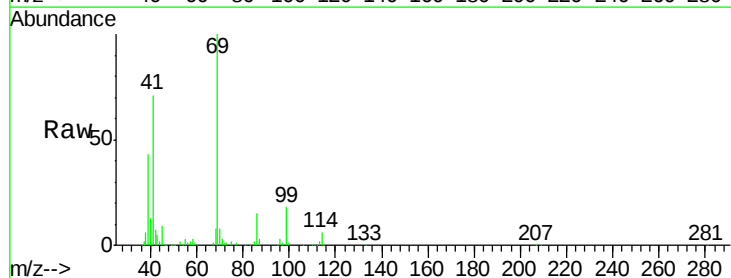
Manual Integrations
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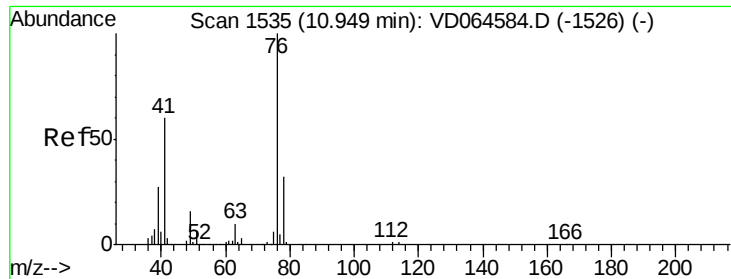
MMDadoda
 1/20/2020 11:14:34 AM



#56
 Ethyl methacrylate
 Concen: 62.539 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	156146		
41	70.1	55.3	82.9	
39	38.6	33.8	50.8	





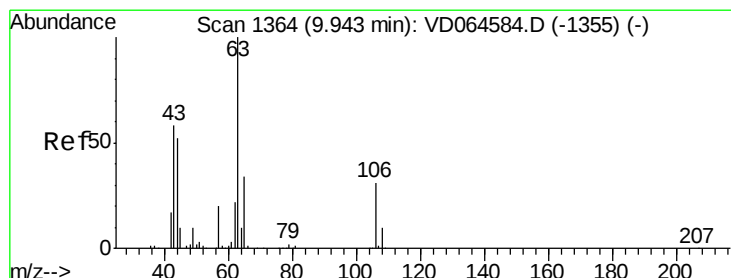
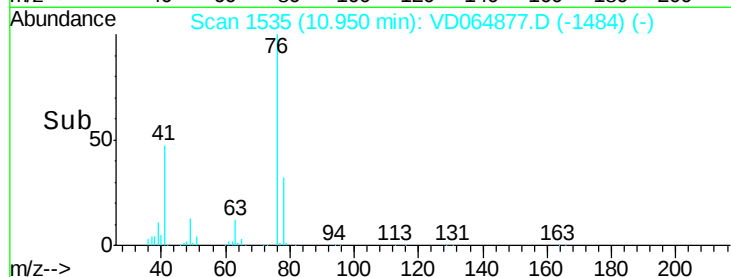
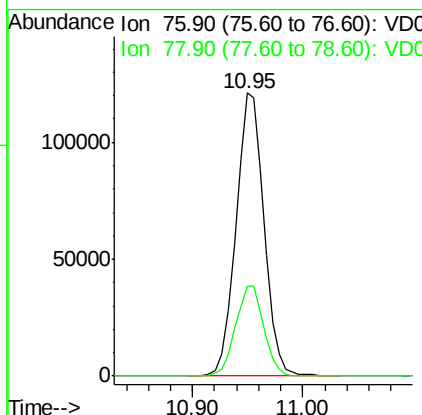
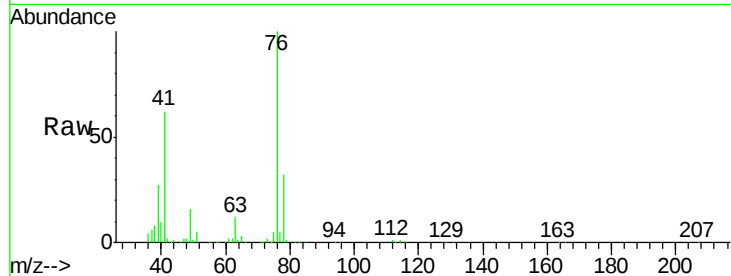
#57
 1,3-Dichloropropane
 Concen: 62.567 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 215374
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4

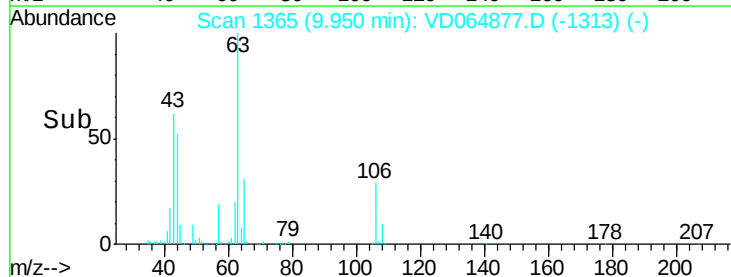
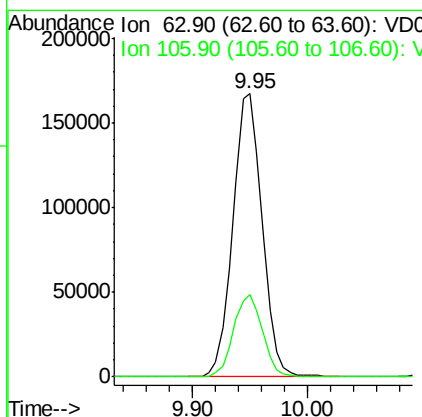
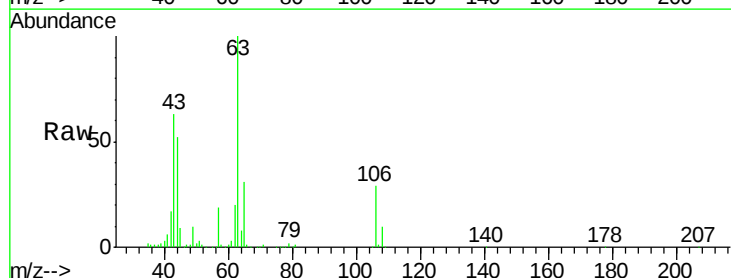
Manual Integrations
 APPROVED

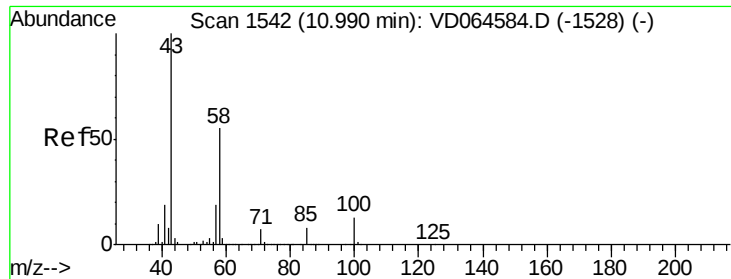
MMDadoda
 1/20/2020 11:14:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 308.427 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Tgt Ion: 63 Resp: 293392
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.8 35.8





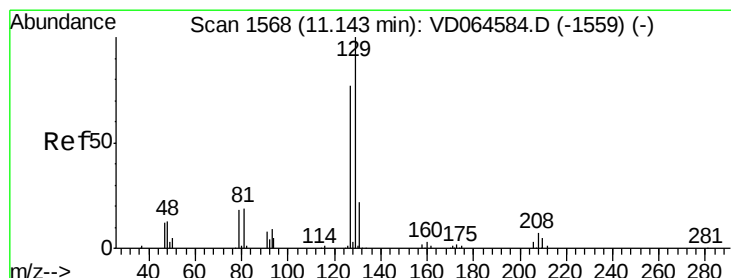
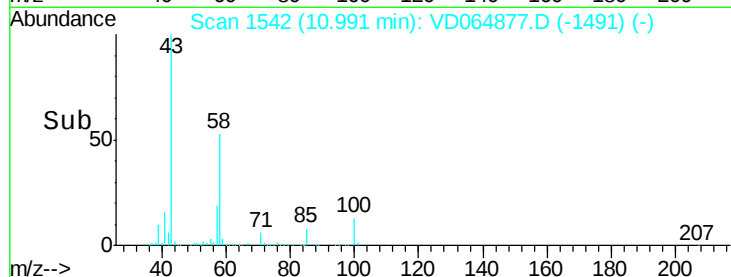
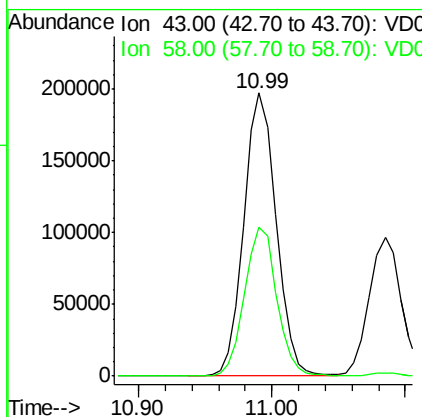
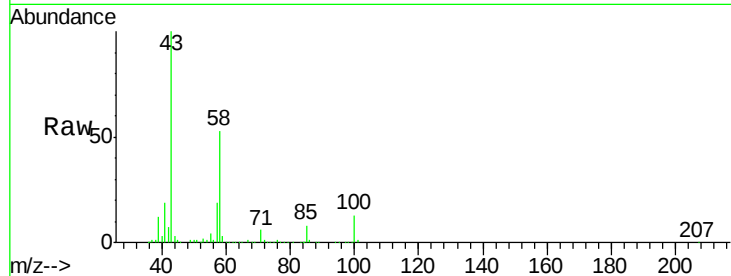
#59
2-Hexanone
Concen: 306.244 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 327942
Ion Ratio Lower Upper
43 100
58 52.5 26.4 79.0

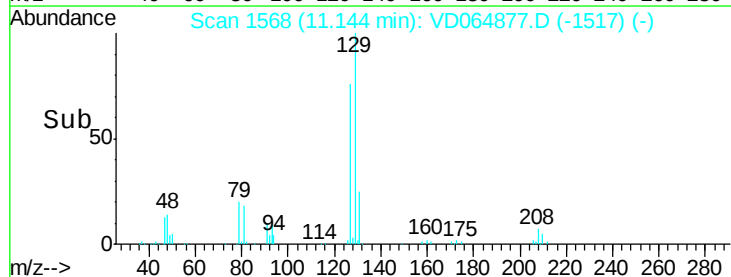
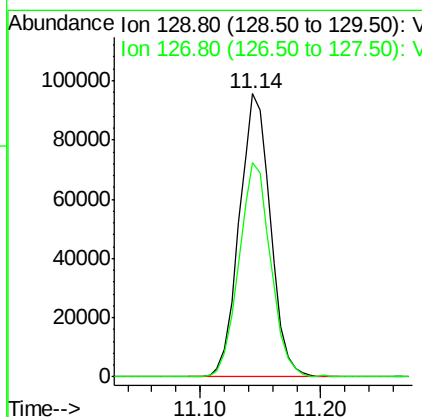
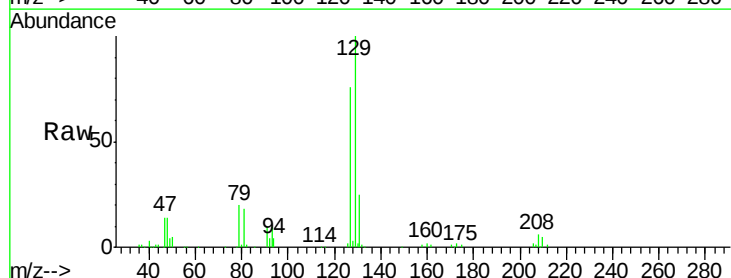
Manual Integrations
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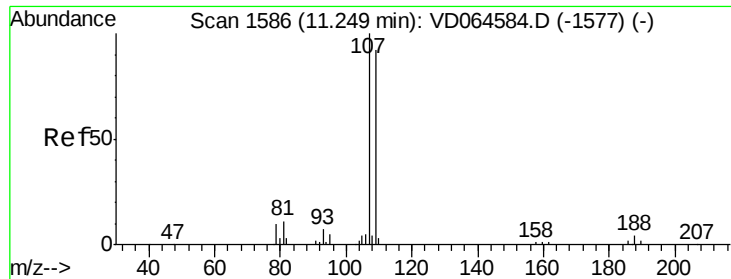
MMDadoda
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#60
Dibromochloromethane
Concen: 62.110 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion: 129 Resp: 171715
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2





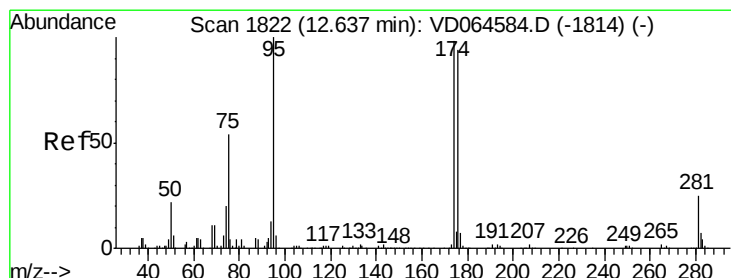
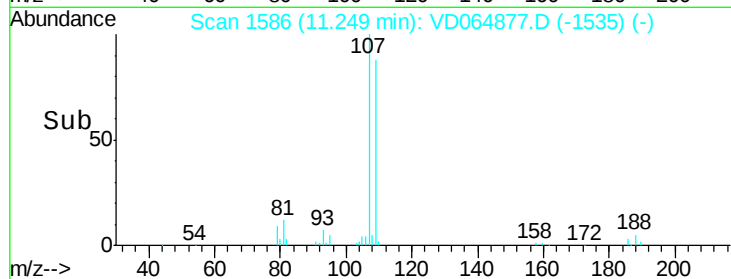
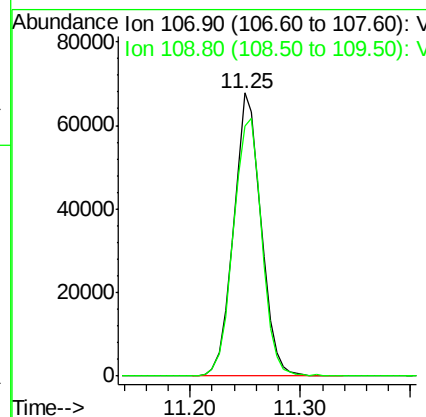
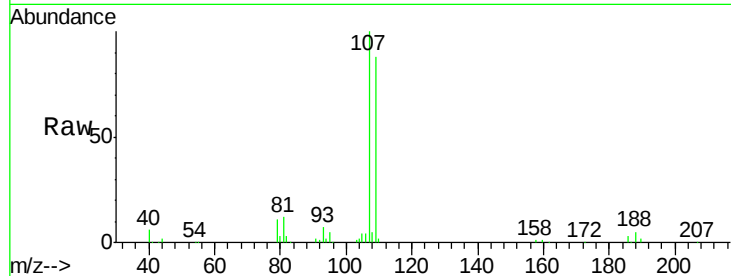
#61
 1,2-Dibromoethane
 Concen: 59.910 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.6	113.4

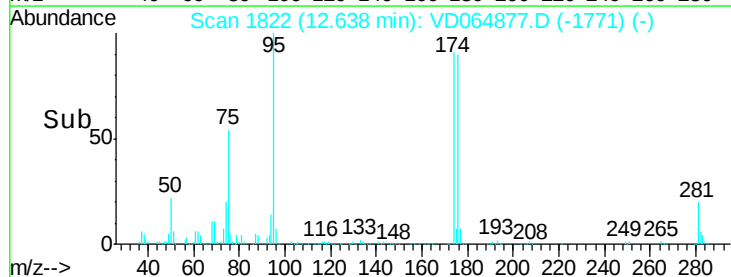
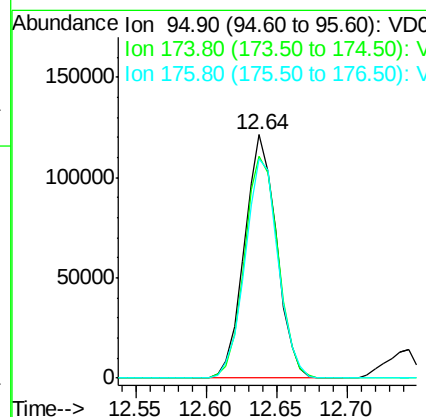
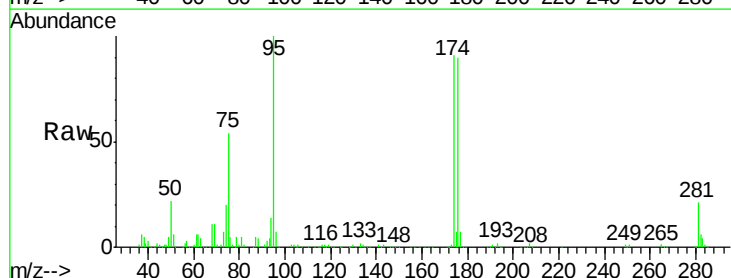
Manual Integrations
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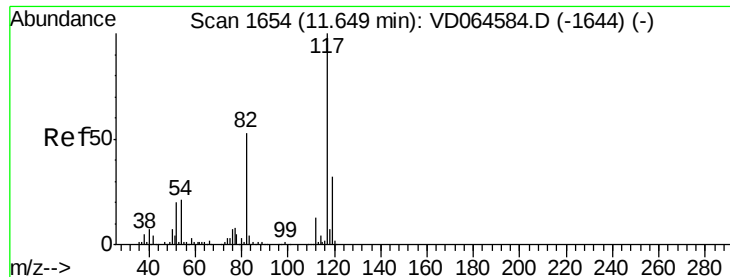
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 1/20/2020 11:14:34 AM



#62
 4-Bromofluorobenzene
 Concen: 61.441 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.2	0.0	193.2
176	92.7	0.0	184.2





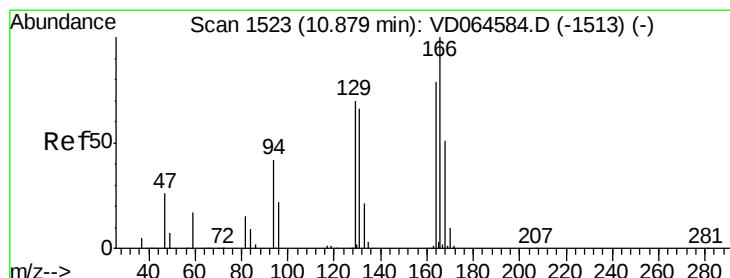
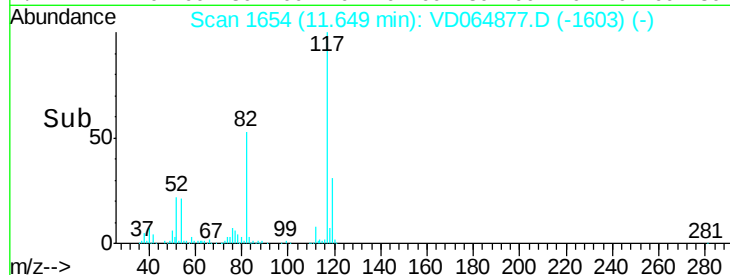
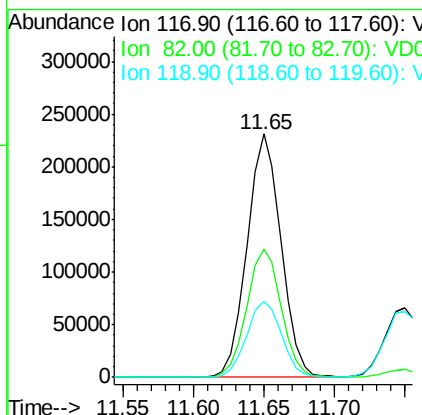
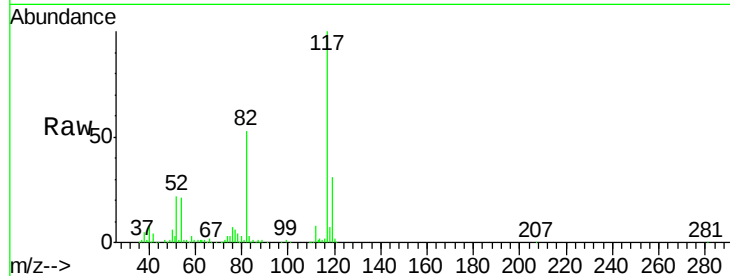
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	31.3	26.0	39.0

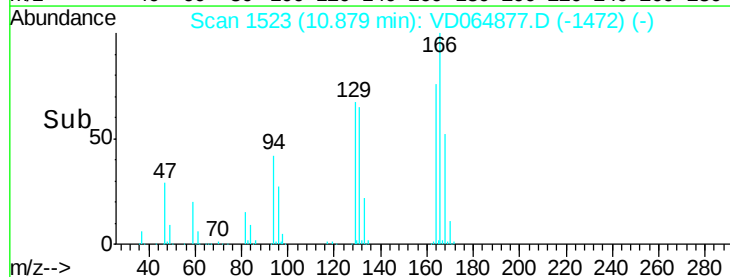
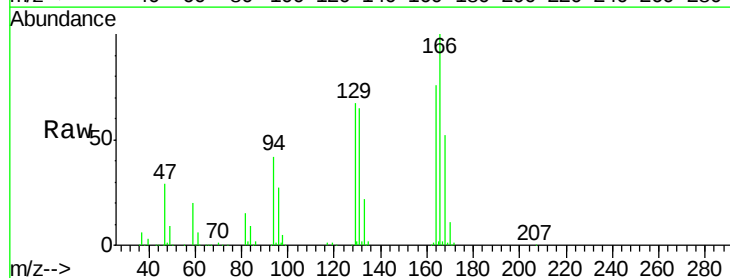
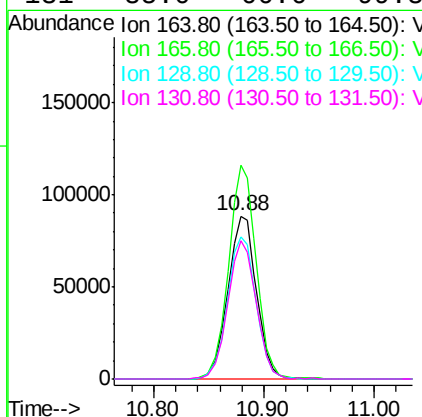
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#64
Tetrachloroethene
Concen: 53.465 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	101.3	151.9
129	87.4	70.5	105.7
131	85.0	66.6	99.8





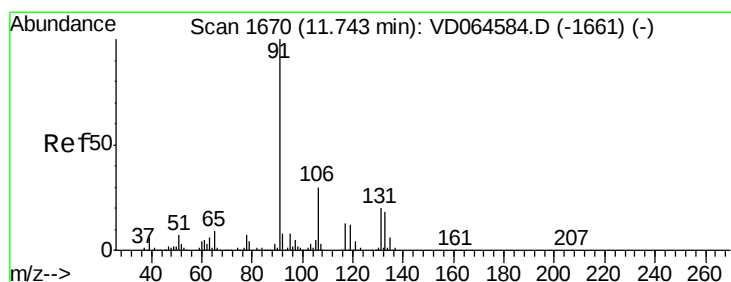
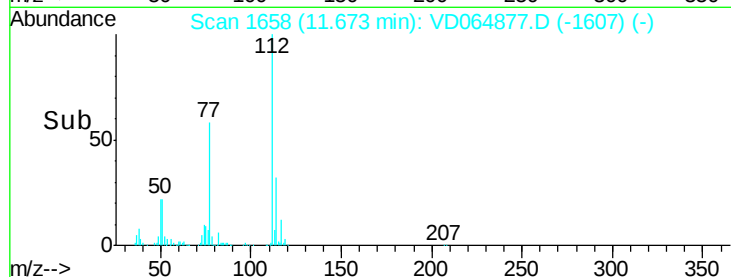
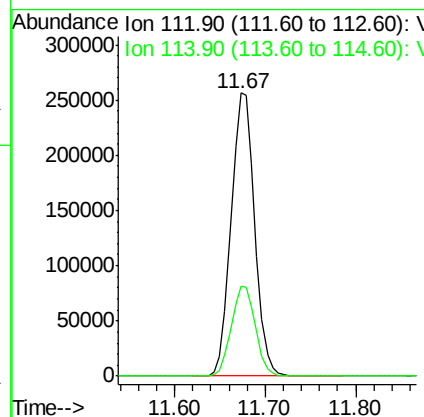
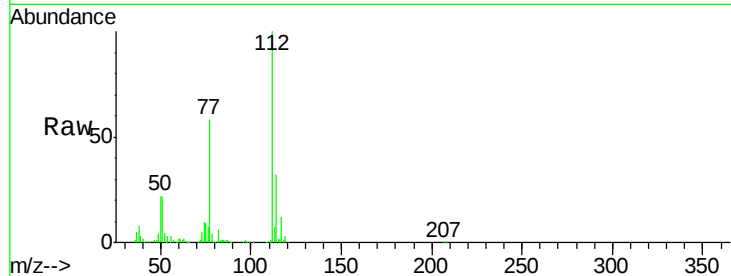
#65
Chlorobenzene
Concen: 56.962 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.8	37.2

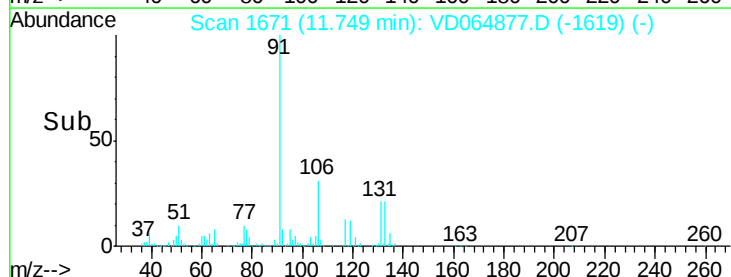
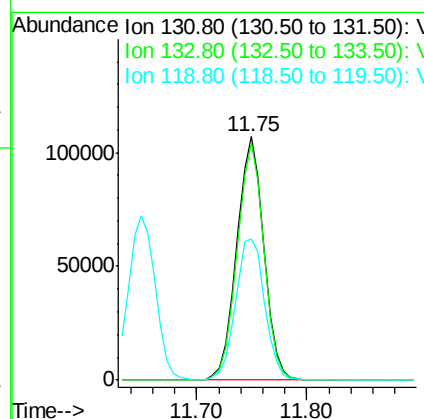
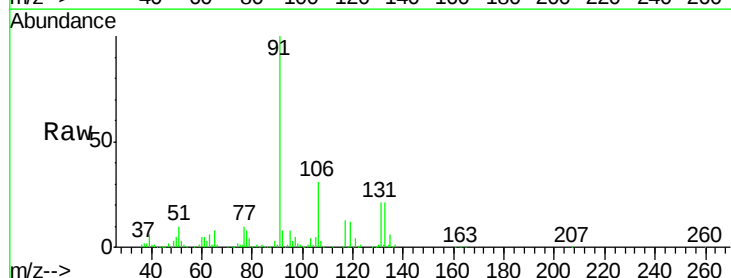
Manual Integrations
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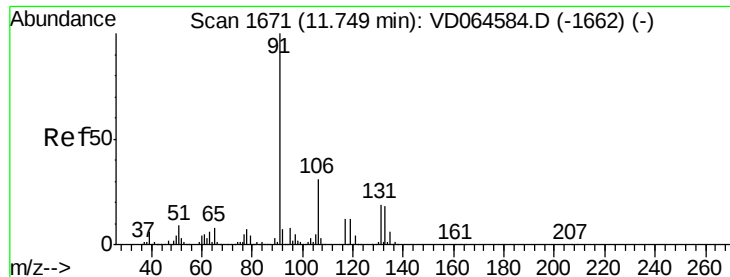
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#66
1,1,1,2-Tetrachloroethane
Concen: 60.401 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.3	144.8
119	62.7	32.1	96.3





#67

Ethyl Benzene

Concen: 55.655 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 818997

Ion Ratio Lower Upper

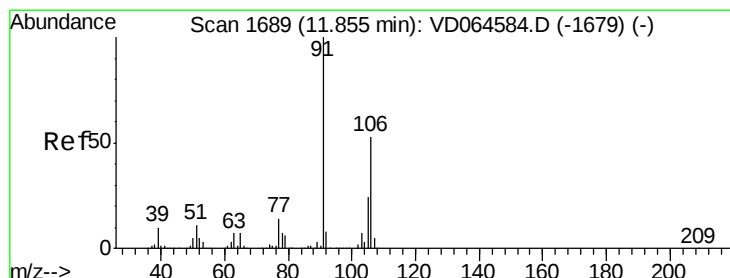
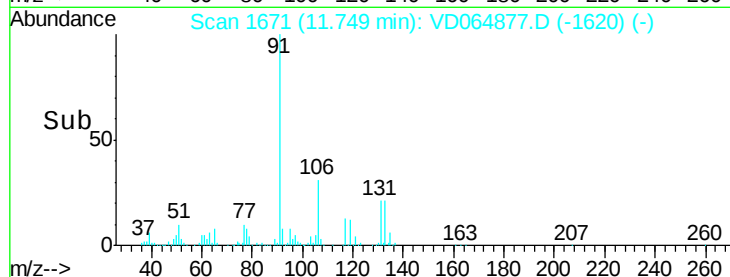
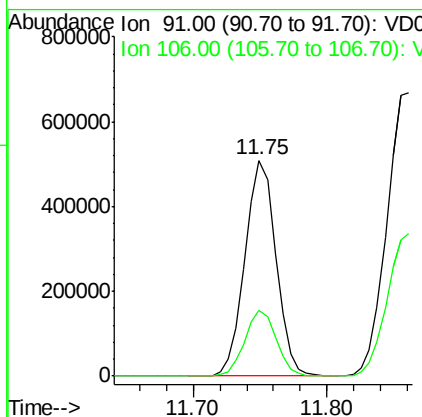
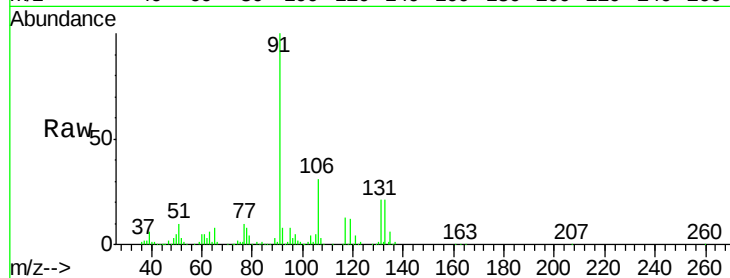
91 100

106 30.7 24.6 36.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 112.278 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064877.D

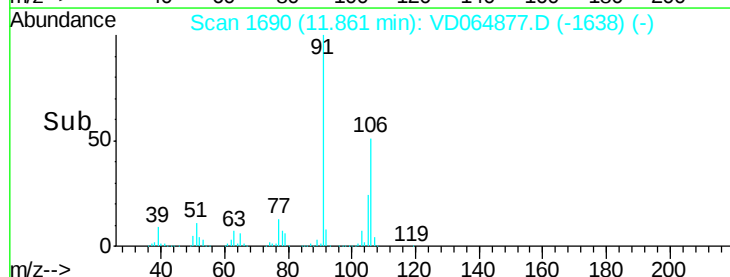
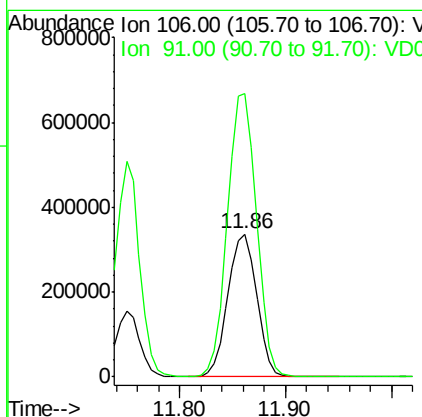
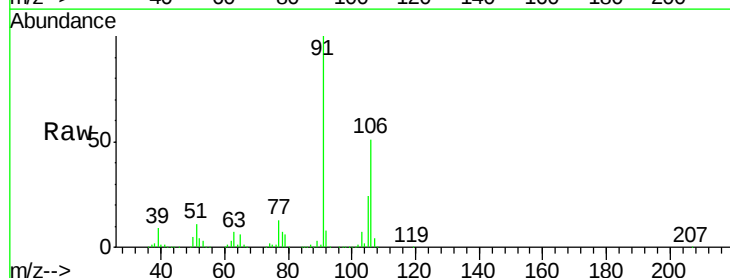
Acq: 17 Jan 2020 21:56

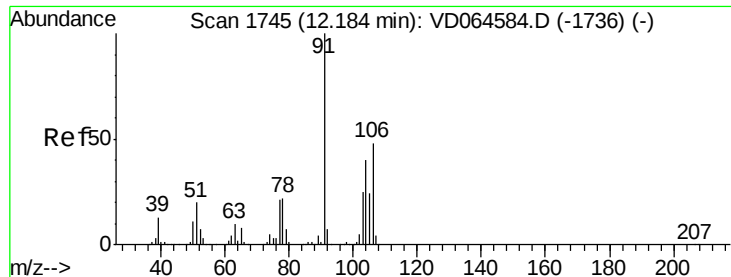
Tgt Ion: 106 Resp: 637727

Ion Ratio Lower Upper

106 100

91 199.7 156.3 234.5





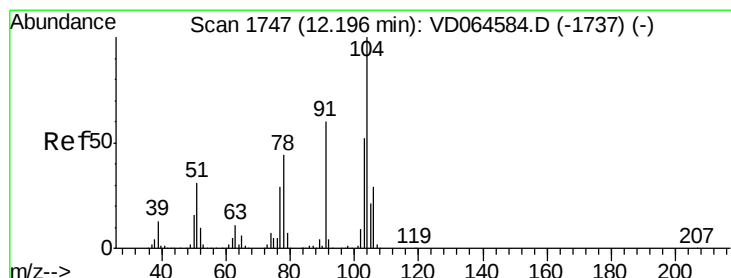
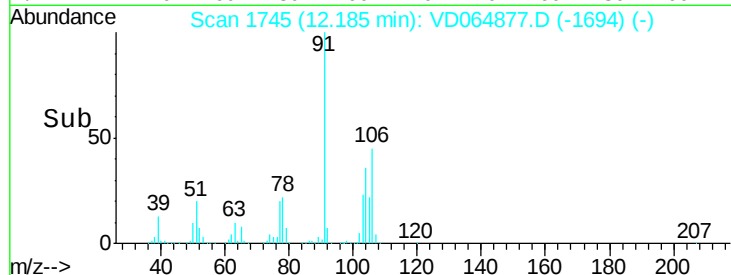
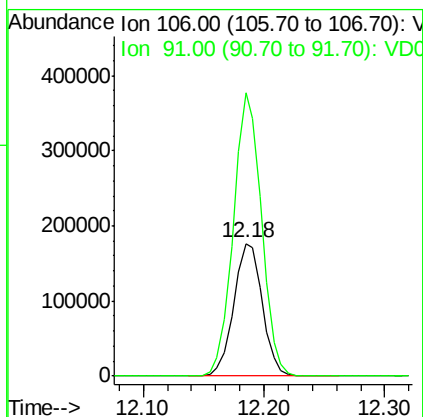
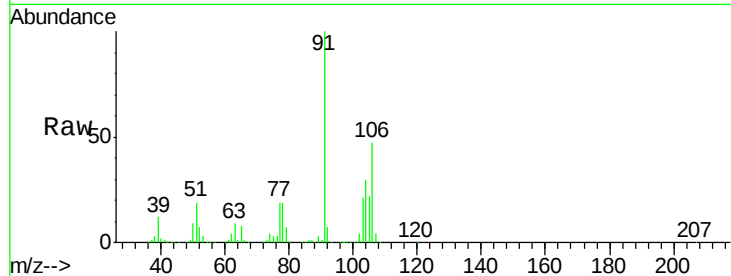
#69
o-Xylene
Concen: 56.984 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.6	104.8	314.4

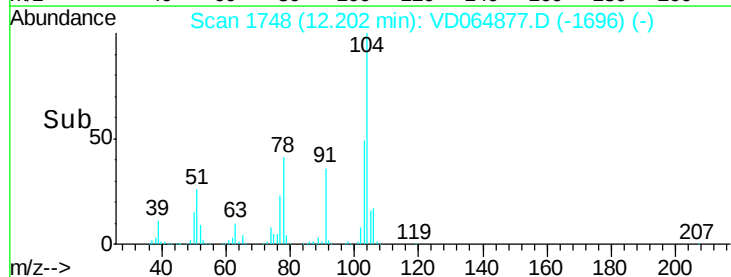
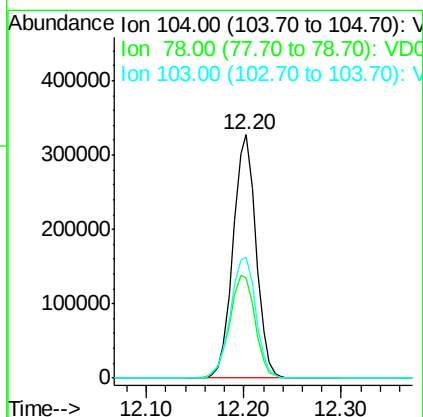
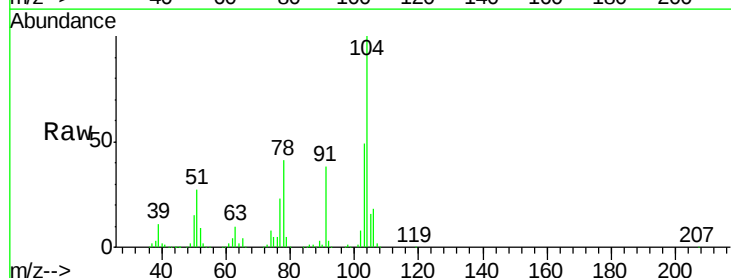
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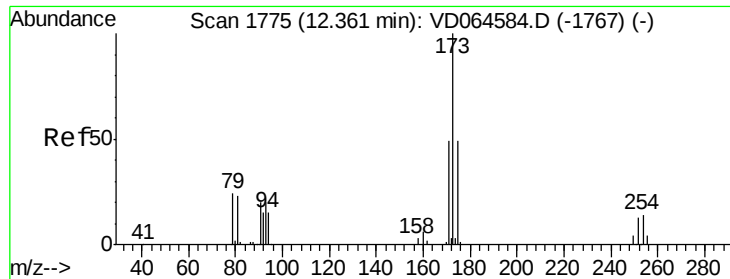
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#70
Styrene
Concen: 59.254 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.9	38.2	57.2
103	55.0	44.6	67.0





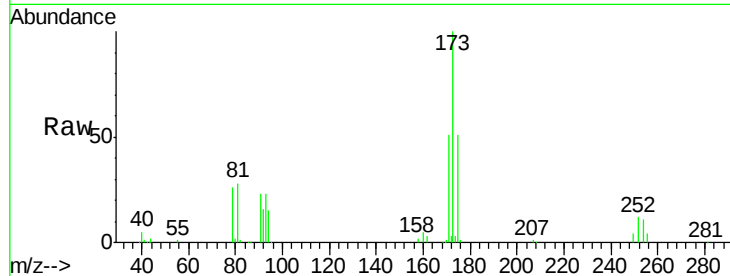
#71
Bromoform
Concen: 57.353 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

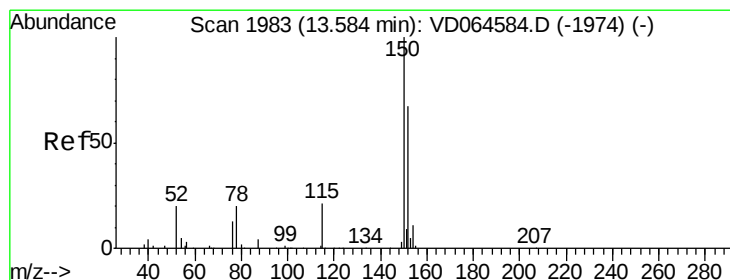
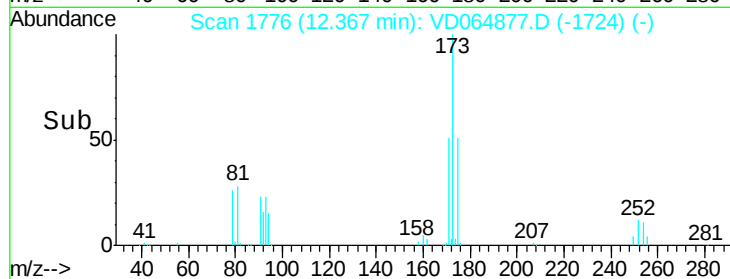
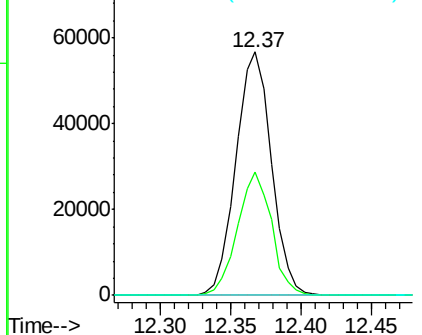
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.8
254	0.1	0.1	0.1#

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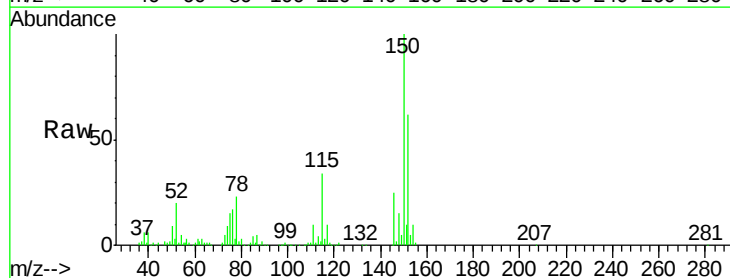


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

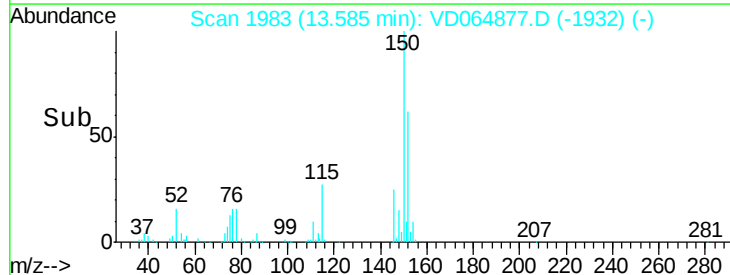
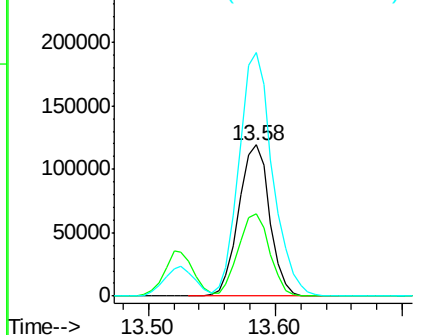


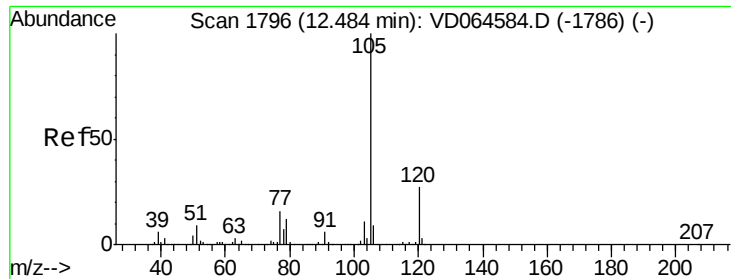
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.4
150	174.9	0.0	351.4



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





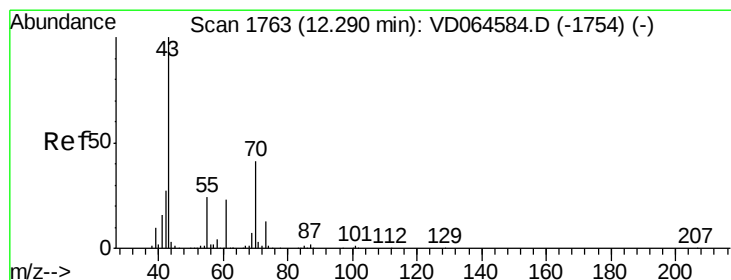
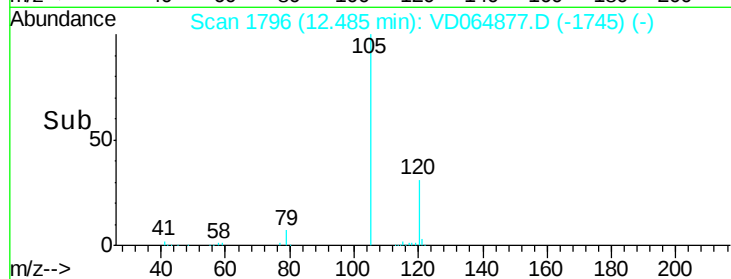
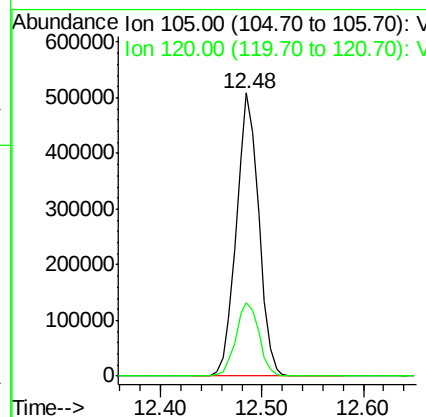
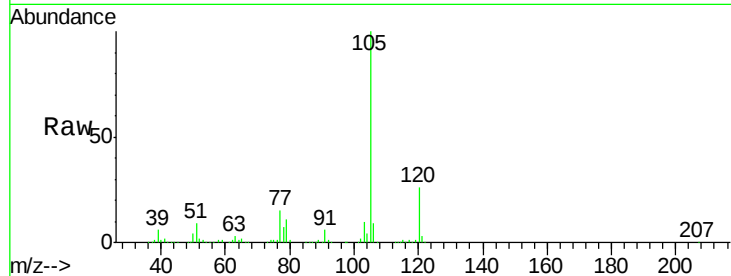
#73
Isopropylbenzene
Concen: 54.182 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.5

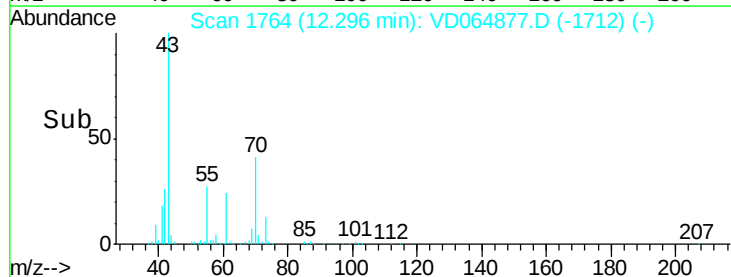
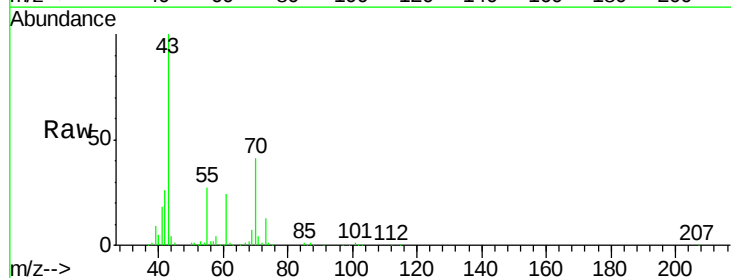
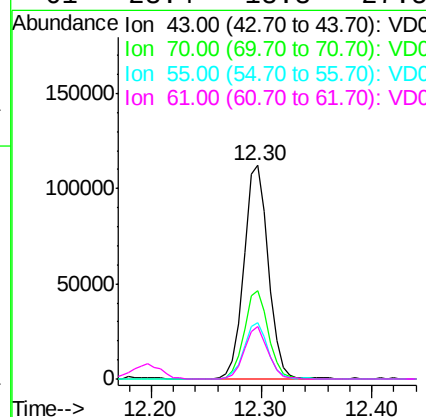
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#74
N-ethyl acetate
Concen: 56.874 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.8	33.4	50.0
55	25.9	19.4	29.0
61	23.4	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 57.667 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

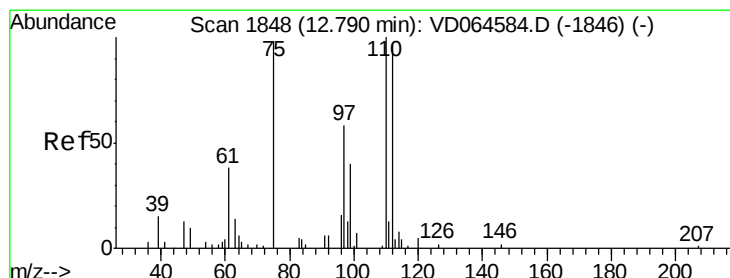
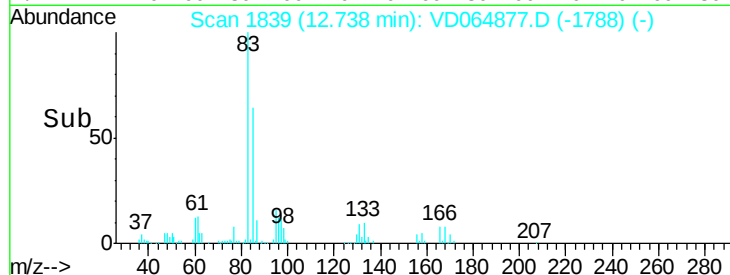
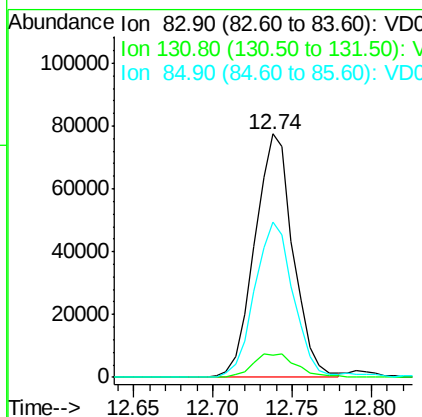
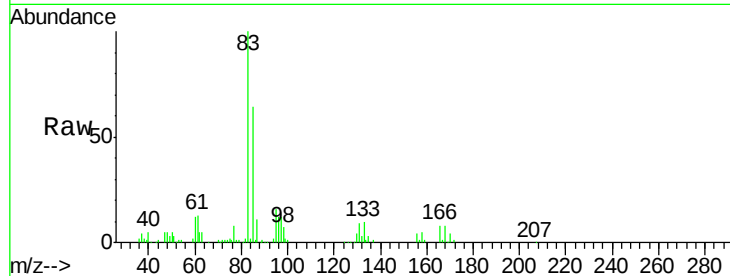
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	130431
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.8	17.4
85	64.3	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.570 ug/l m

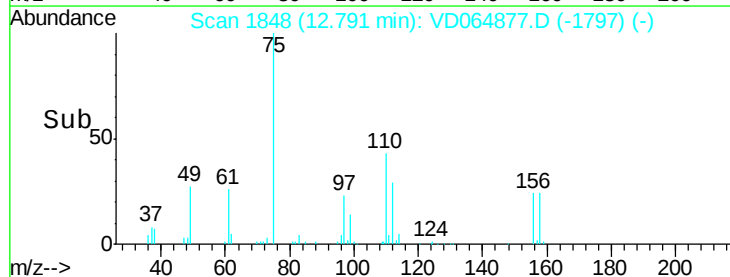
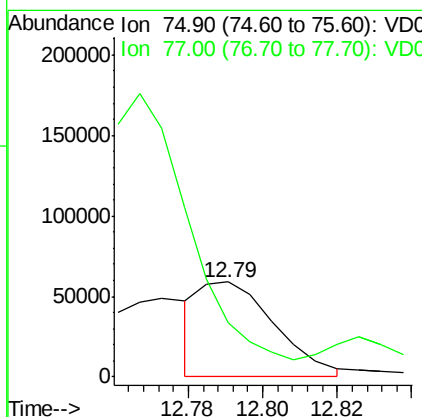
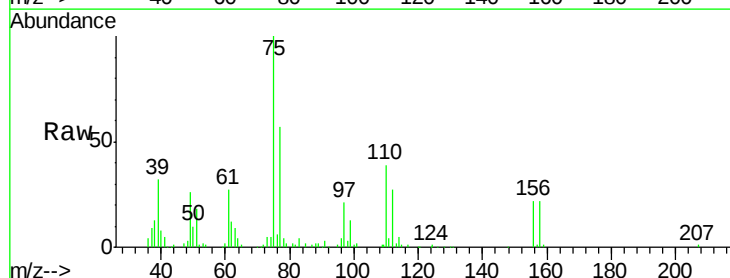
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Tgt Ion:	75	Resp:	83639
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





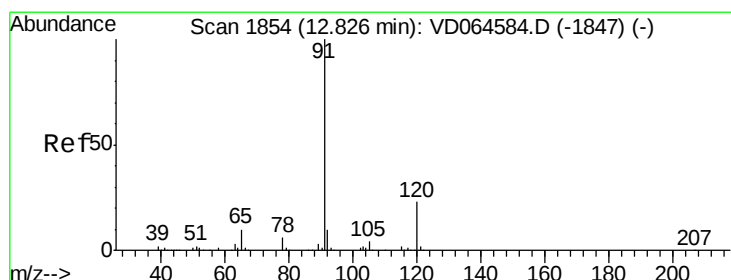
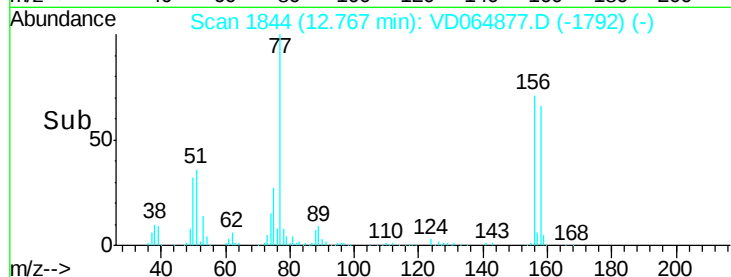
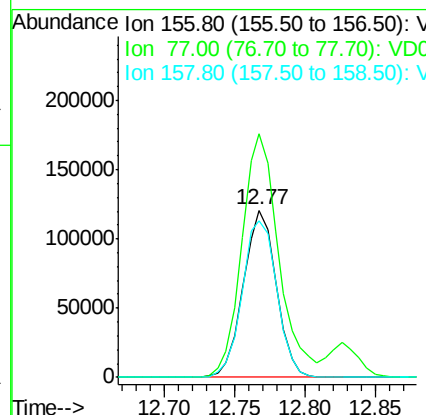
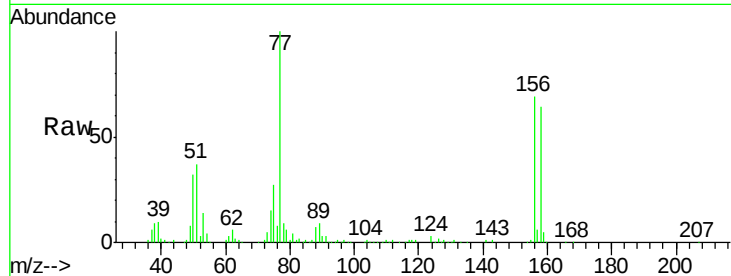
#77
Bromobenzene
Concen: 55.781 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.3	80.9	242.7
158	98.6	48.0	144.2

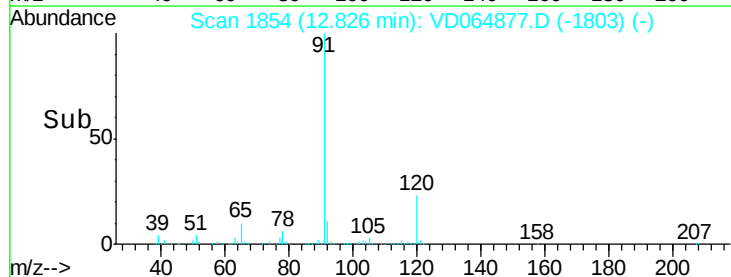
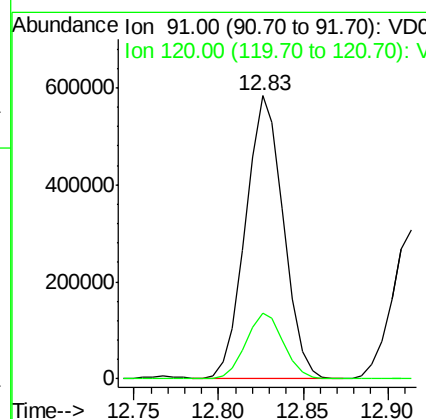
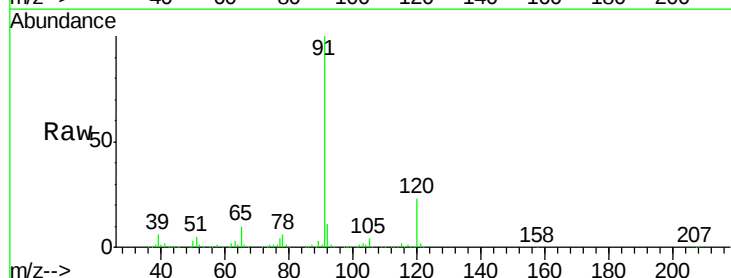
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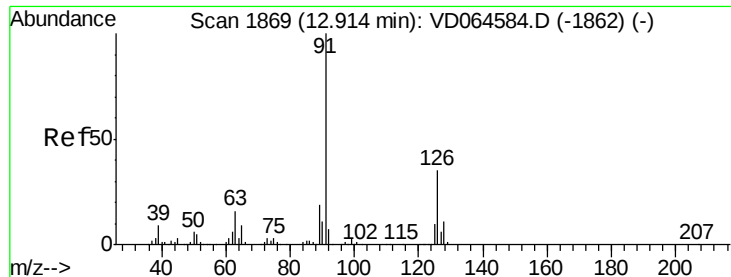
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#78
n-propylbenzene
Concen: 53.903 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.9





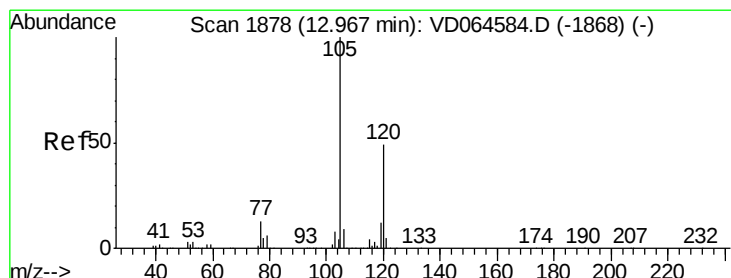
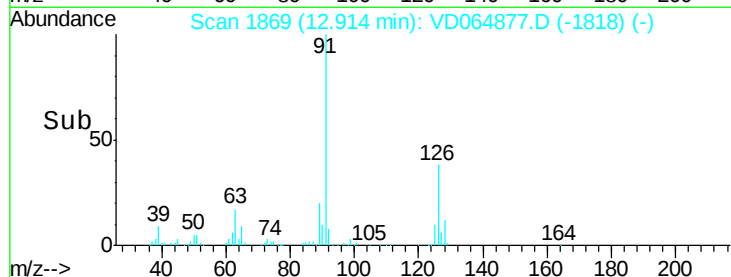
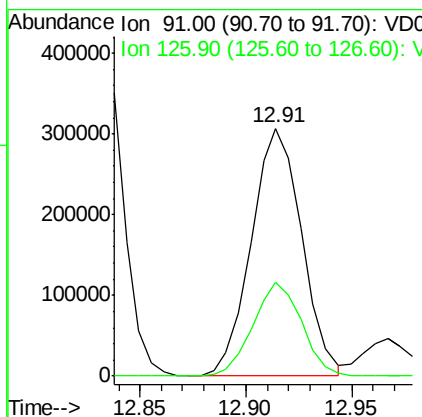
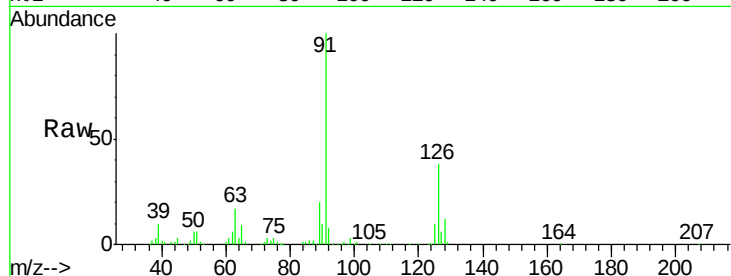
#79
 2-Chlorotoluene
 Concen: 55.070 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 508153
 Ion Ratio Lower Upper
 91 100
 126 36.8 17.8 53.5

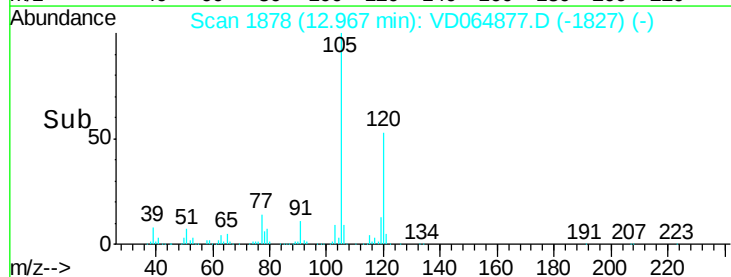
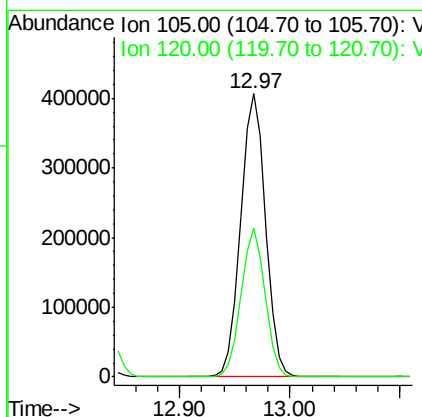
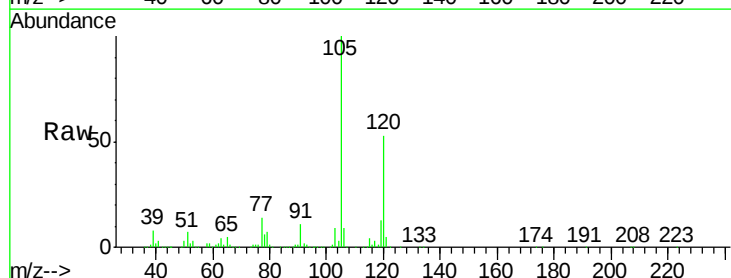
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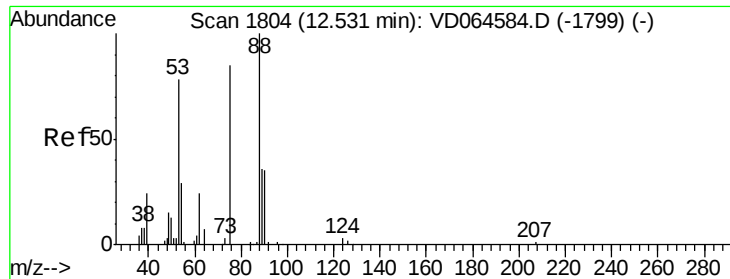
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.475 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Tgt Ion: 105 Resp: 644298
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.890 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Instrument :

MSVOA_D

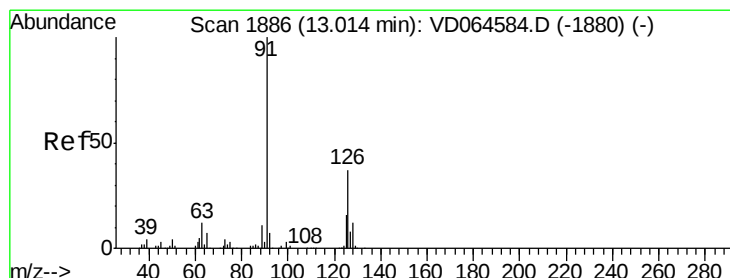
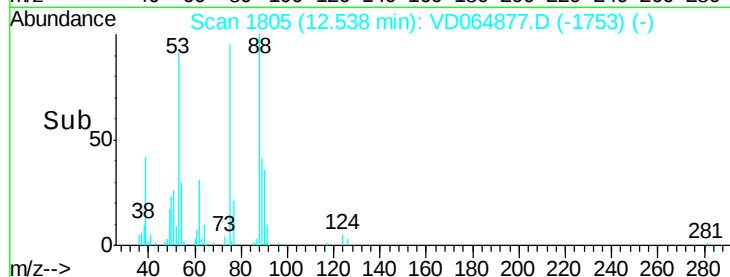
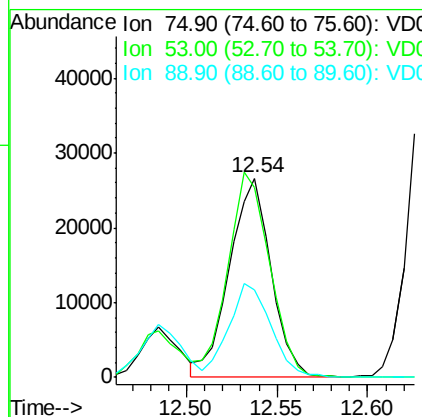
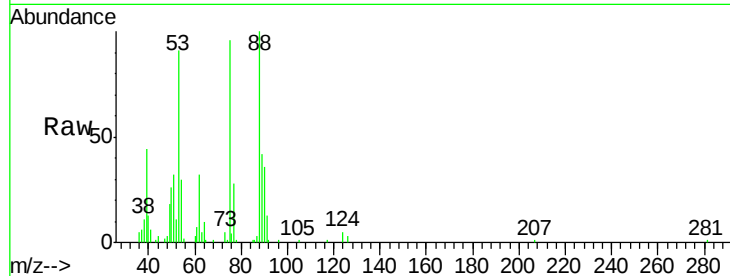
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	42516
Ion	Ratio	Lower	Upper
75	100		
53	104.4	78.8	118.2
89	47.6	38.3	57.5

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#82

4-Chlorotoluene

Concen: 54.945 ug/l

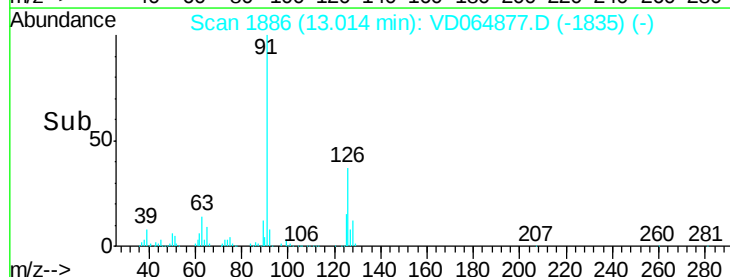
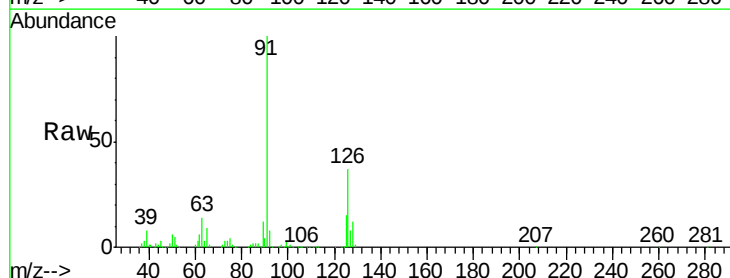
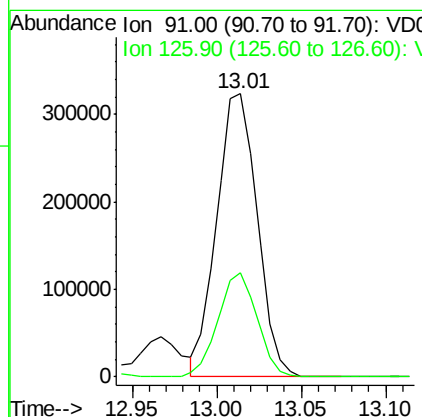
RT: 13.01 min Scan# 1886

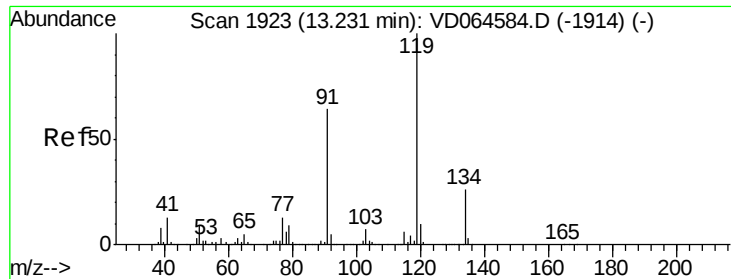
Delta R.T. 0.00 min

Lab File: VD064877.D

Acq: 17 Jan 2020 21:56

Tgt Ion:	91	Resp:	539538
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.5





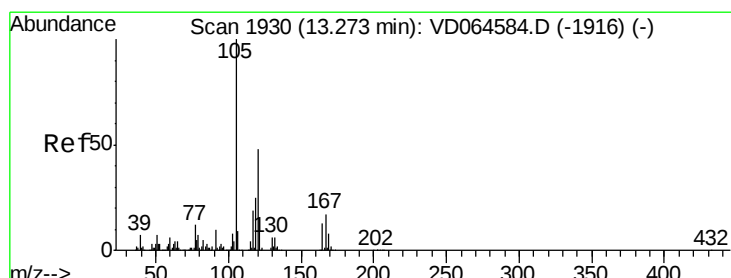
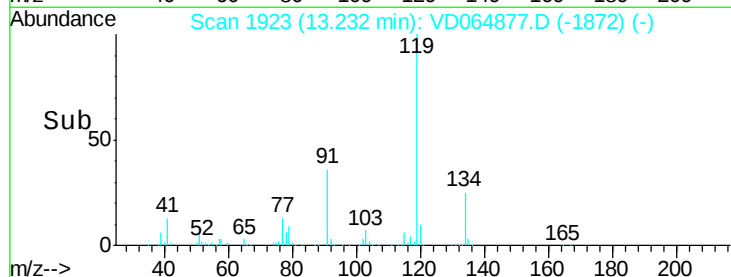
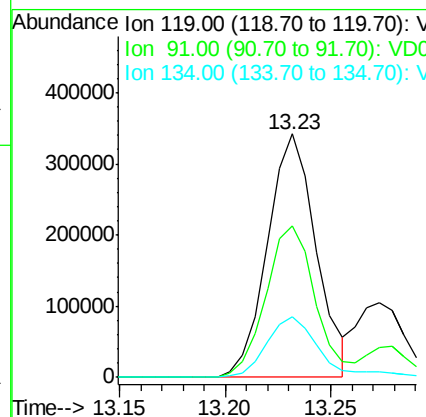
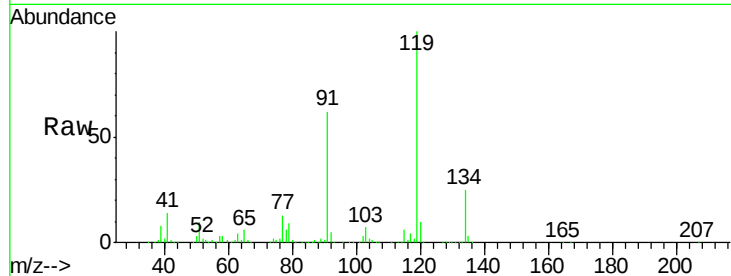
#83
tert-Butylbenzene
Concen: 53.434 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	548715		
91	63.5		30.8	92.4
134	27.2		12.8	38.3

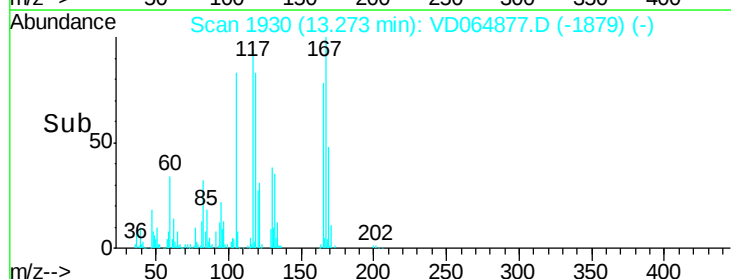
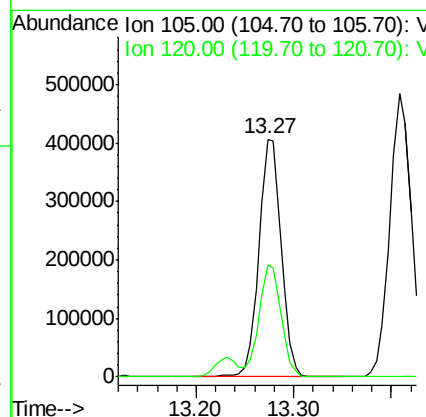
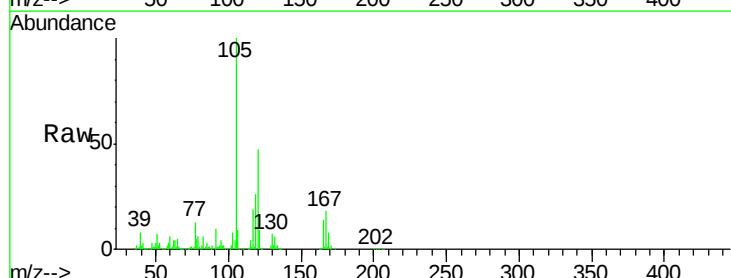
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#84
1,2,4-Trimethylbenzene
Concen: 55.748 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	656673		
120	46.4		23.8	71.2





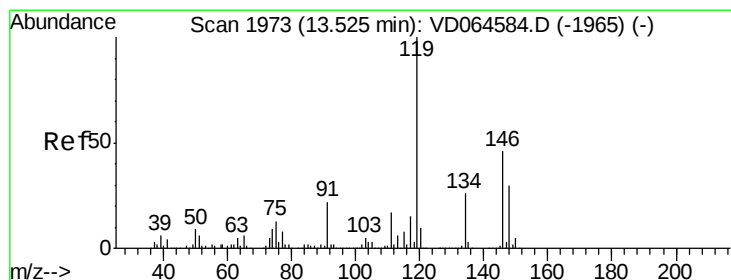
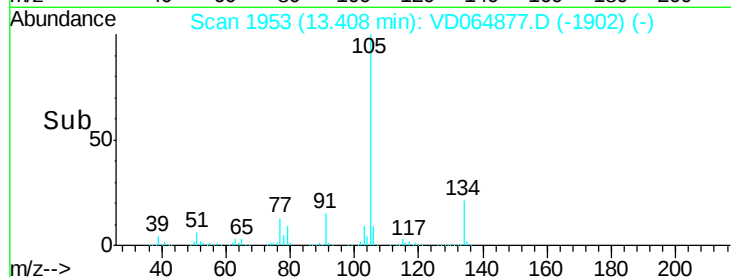
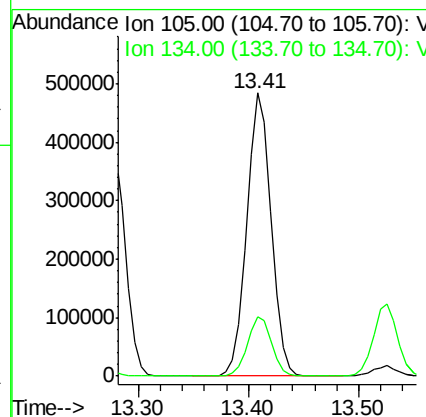
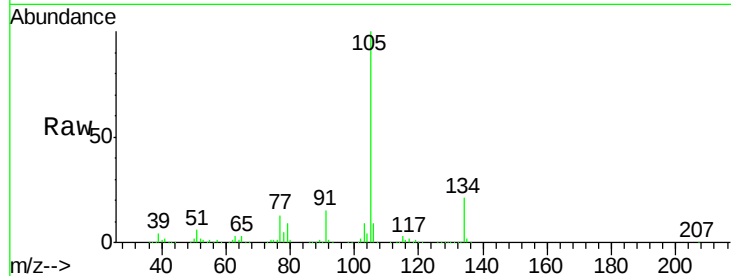
#85
 sec-Butylbenzene
 Concen: 53.282 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.6	31.8

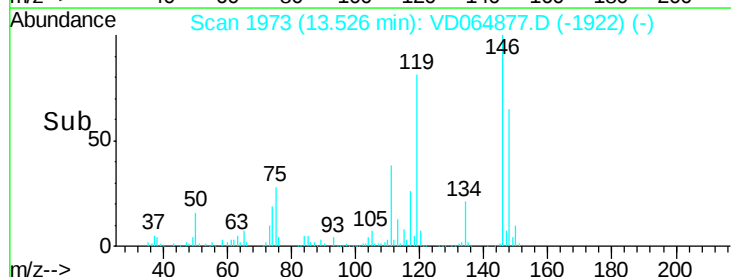
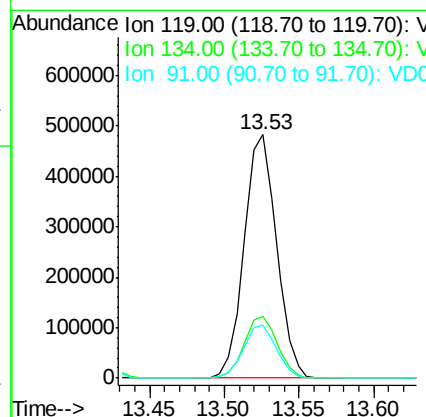
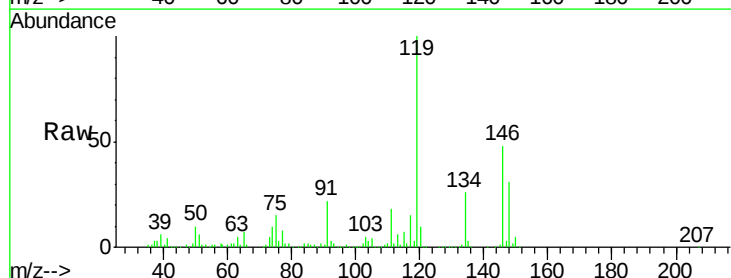
Manual Integrations
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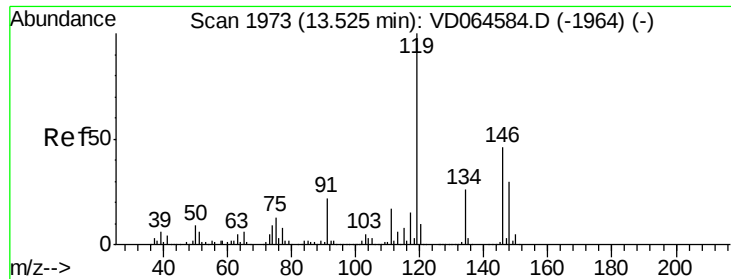
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#86
 p-Isopropyltoluene
 Concen: 53.766 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.4	40.1
91	22.4	11.2	33.6





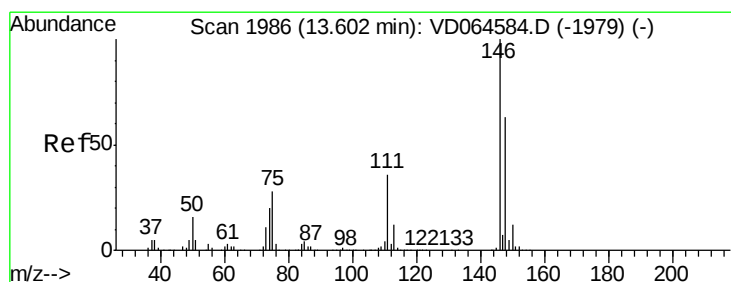
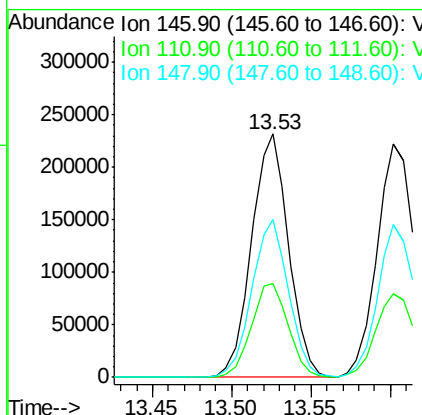
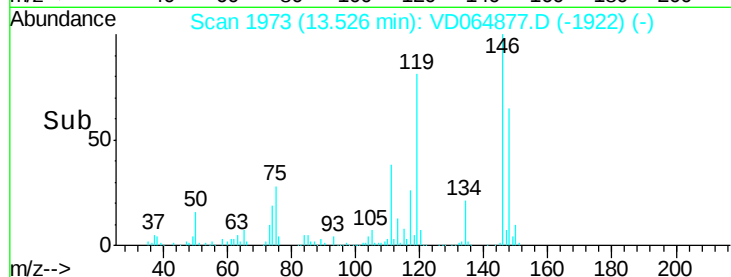
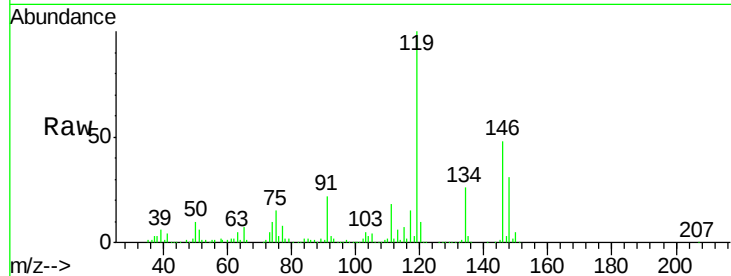
#87
 1,3-Dichlorobenzene
 Concen: 55.705 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.4
148	64.4	32.5	97.5

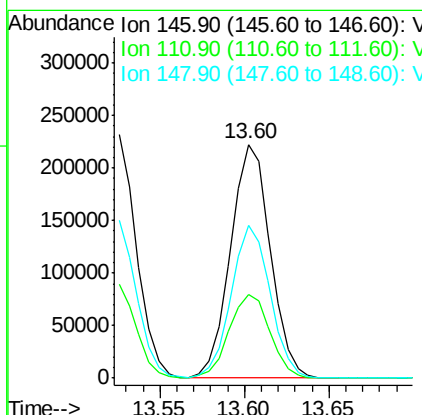
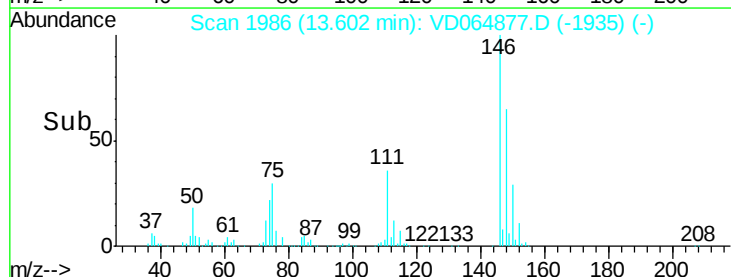
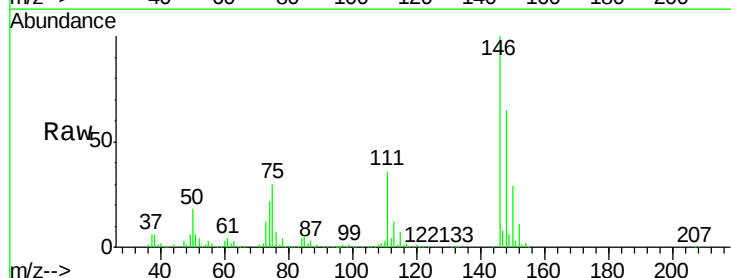
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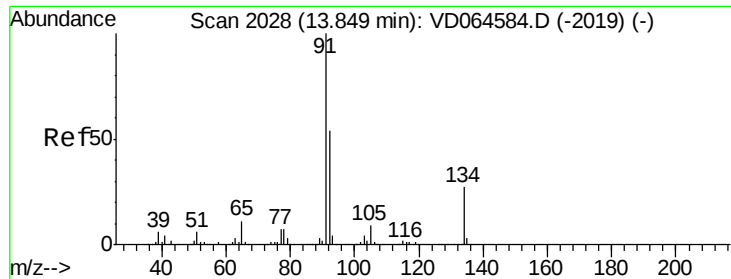
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#88
 1,4-Dichlorobenzene
 Concen: 55.100 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.1
148	63.9	32.3	96.9





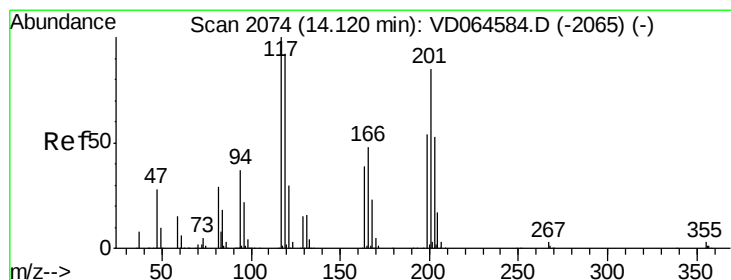
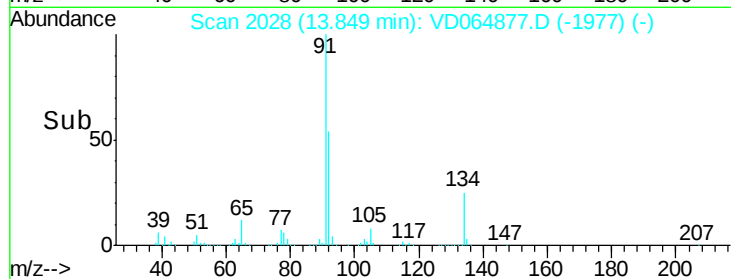
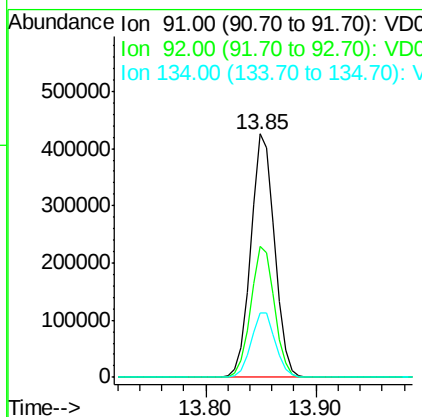
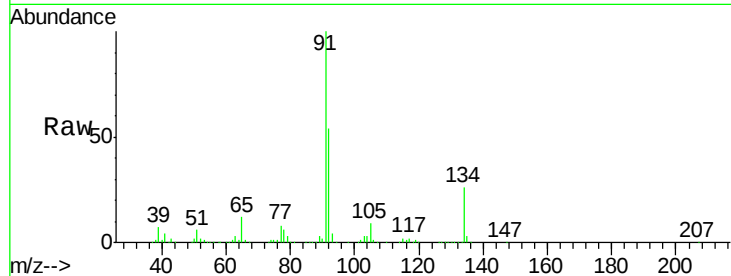
#89
n-Butylbenzene
Concen: 52.938 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.4
134	27.2	14.0	41.9

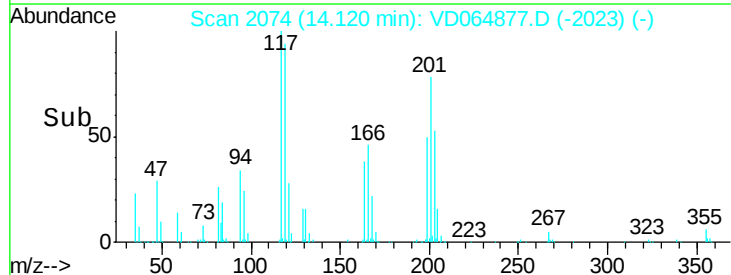
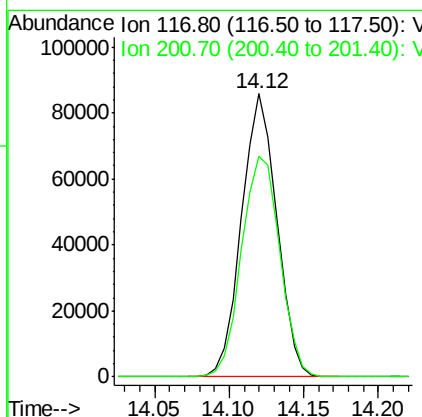
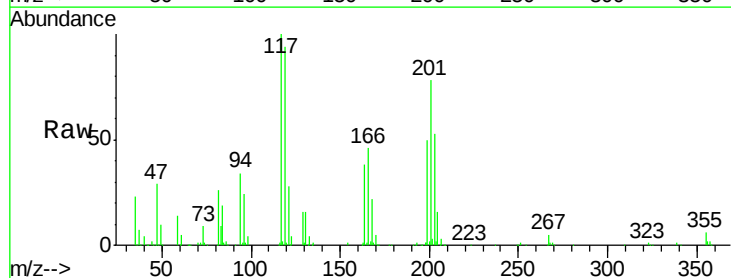
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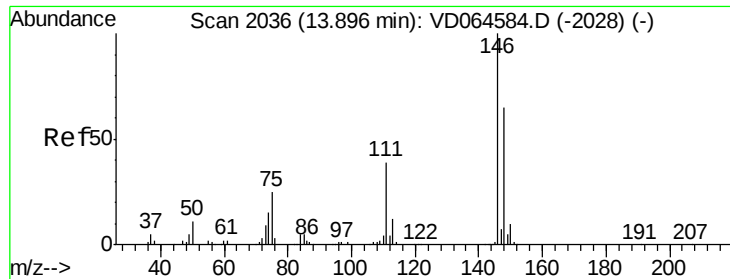
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#90
Hexachloroethane
Concen: 54.610 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	44.0	131.8





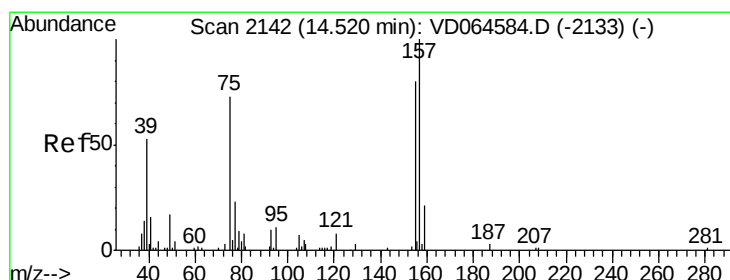
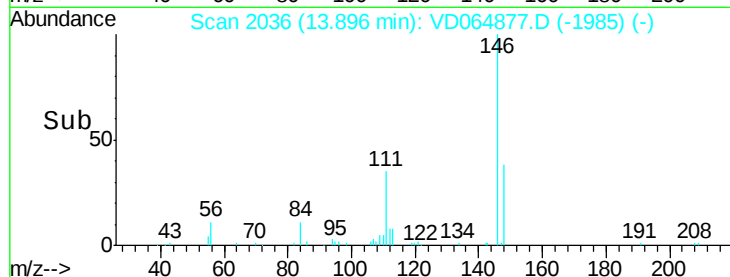
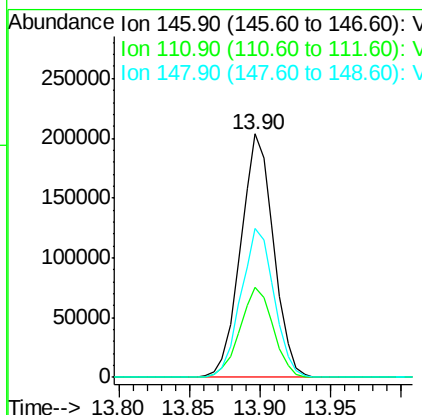
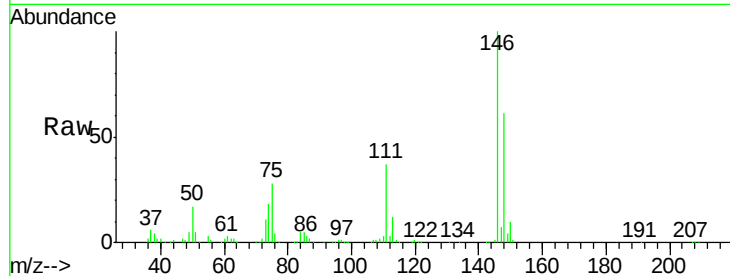
#91
 1,2-Dichlorobenzene
 Concen: 57.547 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.3	57.9
148	61.8	31.9	95.5

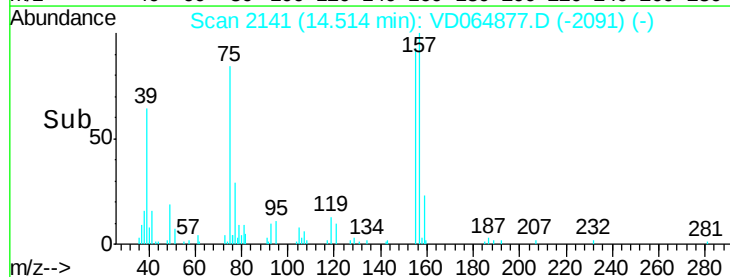
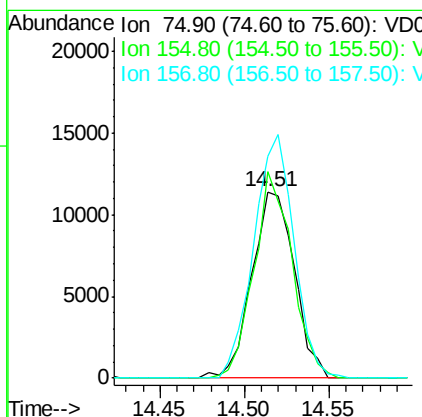
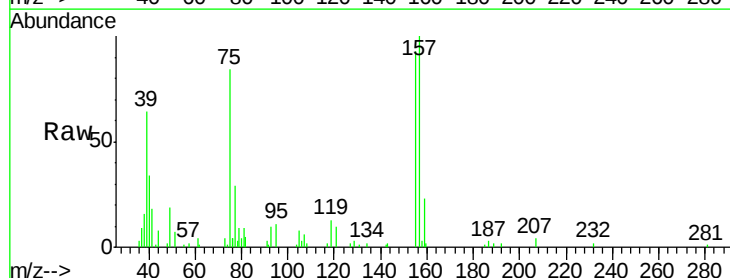
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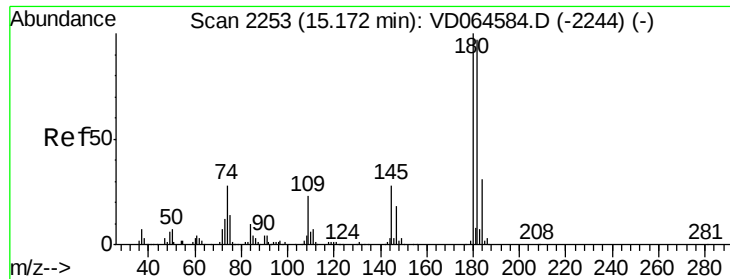
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.775 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	48.0	144.0
157	123.5	64.1	192.3





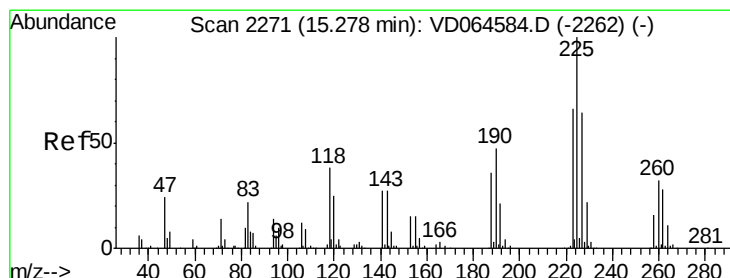
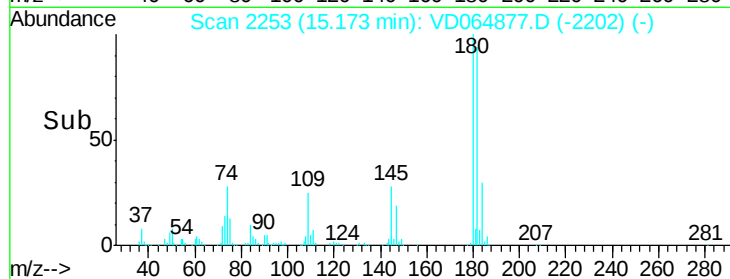
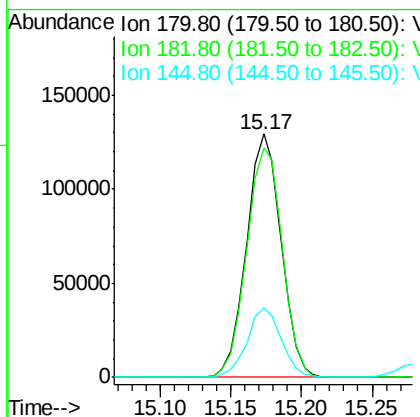
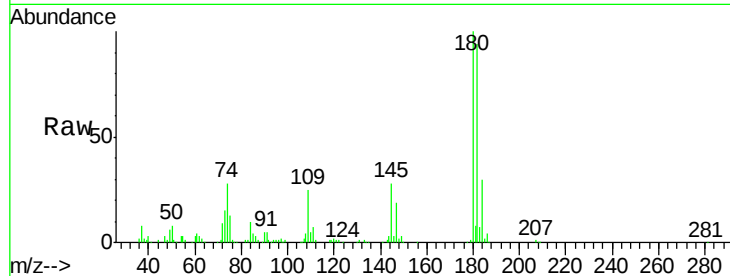
#93
 1,2,4-Trichlorobenzene
 Concen: 52.722 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	223249		
182	97.2	48.0	144.2	
145	28.2	13.8	41.4	

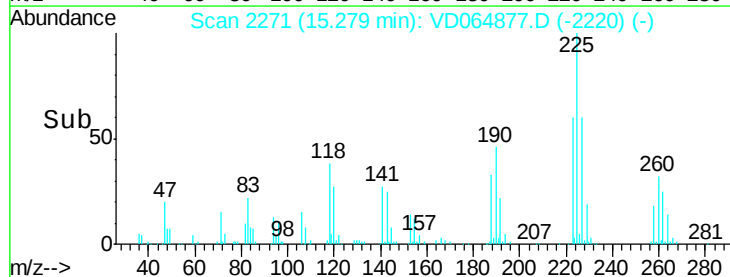
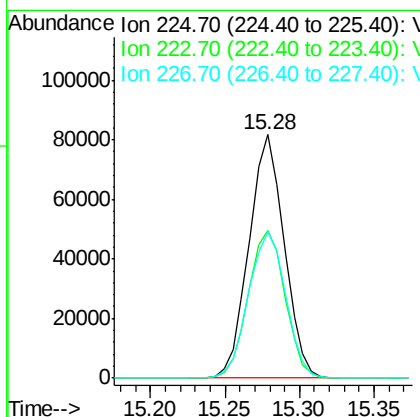
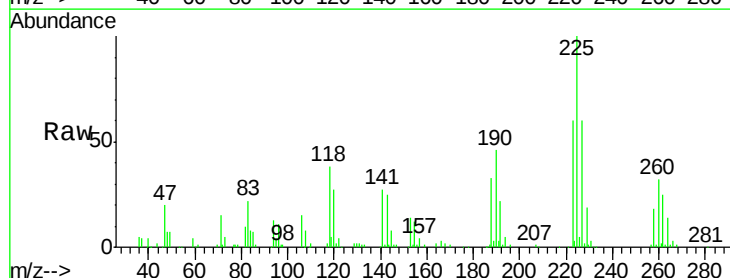
Manual Integrations
 APPROVED

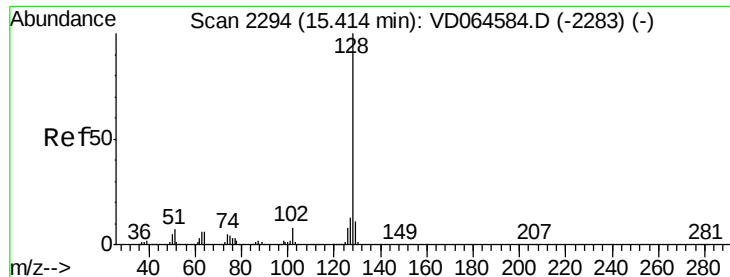
MMDadoda
 1/20/2020 11:14:34 AM



#94
 Hexachlorobutadiene
 Concen: 50.023 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064877.D
 Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133292		
223	63.1	31.1	93.2	
227	63.3	30.9	92.7	





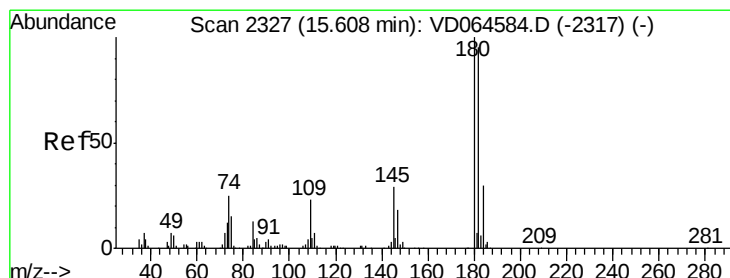
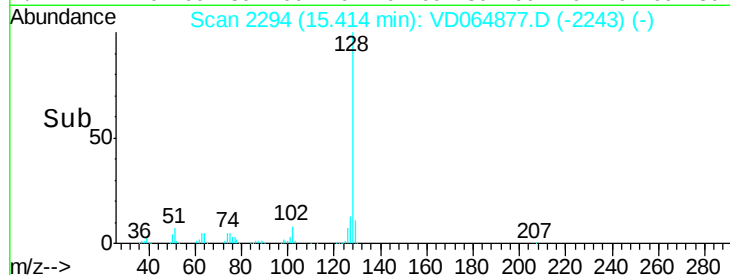
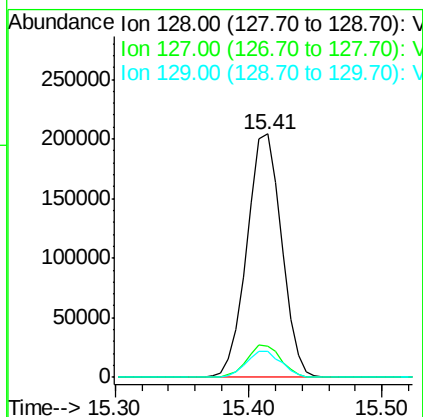
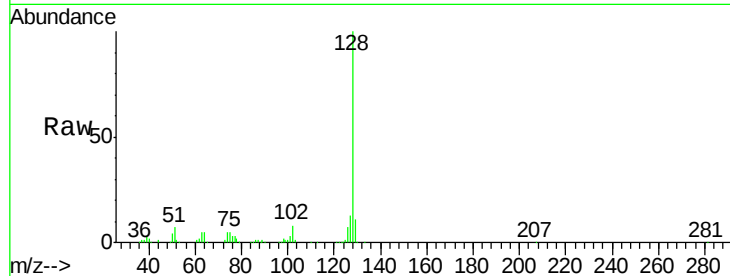
#95
Naphthalene
Concen: 54.599 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:14:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.544 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064877.D
Acq: 17 Jan 2020 21:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.7
145	29.6	14.9	44.7

