

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067874.D
 Acq On : 03 Dec 2020 18:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/4/2020 11:26:35 AM

Quant Time: Dec 04 01:53:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	215800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	314753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	289598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	112718	48.65	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.30%
35) Dibromofluoromethane	7.92	113	102850	48.83	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.66%
50) Toluene-d8	10.34	98	366598	48.35	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.70%
62) 4-Bromofluorobenzene	12.64	95	131758	50.27	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.54%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	90930	48.417	ug/l	95
3) Chloromethane	2.21	50	46290	42.709	ug/l	99
4) Vinyl Chloride	2.35	62	64683	47.386	ug/l	96
5) Bromomethane	2.77	94	70376	57.753	ug/l	89
6) Chloroethane	2.93	64	42365	47.668	ug/l	98
7) Trichlorofluoromethane	3.28	101	196704	47.092	ug/l	95
8) Diethyl Ether	3.71	74	41006	50.368	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	88440	46.432	ug/l	97
10) Methyl Iodide	4.30	142	74741	37.021	ug/l	97
11) Tert butyl alcohol	5.20	59	27962	230.203	ug/l #	82
12) 1,1-Dichloroethene	4.07	96	83417	46.648	ug/l	95
13) Acrolein	3.93	56	18374	206.385	ug/l	90
14) Allyl chloride	4.72	41	80442	48.626	ug/l	97
15) Acrylonitrile	5.43	53	67857	240.377	ug/l	98
16) Acetone	4.15	43	66003	230.559	ug/l	98
17) Carbon Disulfide	4.41	76	229925	46.052	ug/l	98
18) Methyl Acetate	4.71	43	25619	47.651	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	191563	50.028	ug/l #	91
20) Methylene Chloride	4.97	84	96724	52.353	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	96989	47.664	ug/l	97
22) Diisopropyl ether	6.37	45	160305	48.180	ug/l	95
23) Vinyl Acetate	6.31	43	468089	252.887	ug/l	96
24) 1,1-Dichloroethane	6.27	63	142463	48.845	ug/l	99
25) 2-Butanone	7.21	43	71400	237.128	ug/l	99
26) 2,2-Dichloropropane	7.21	77	167997	48.303	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	108644	48.814	ug/l	99
28) Bromochloromethane	7.55	49	45774	49.431	ug/l	97
29) Tetrahydrofuran	7.57	42	41114	239.810	ug/l	97
30) Chloroform	7.71	83	190638	48.910	ug/l	92
31) Cyclohexane	7.98	56	104021	42.618	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	199914	48.588	ug/l	100
36) 1,1-Dichloropropene	8.11	75	129016	47.349	ug/l	98
37) Ethyl Acetate	7.29	43	33429	45.520	ug/l	99
38) Carbon Tetrachloride	8.10	117	191946	46.558	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	149235	46.217	ug/l	93
40) Benzene	8.36	78	358829	48.127	ug/l	97
41) Methacrylonitrile	7.53	41	17551	50.359	ug/l #	70
42) 1,2-Dichloroethane	8.43	62	128720	48.440	ug/l	100
43) Isopropyl Acetate	8.46	43	67073	46.418	ug/l	97
44) Trichloroethene	9.11	130	119245	46.518	ug/l	96
45) 1,2-Dichloropropane	9.39	63	69331	45.307	ug/l	95
46) Dibromomethane	9.48	93	49777	46.785	ug/l	95
47) Bromodichloromethane	9.67	83	150720	49.690	ug/l	96
48) Methyl methacrylate	9.46	41	33542	45.714	ug/l	98
49) 1,4-Dioxane	9.46	88	10238	842.128	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	162127	237.068	ug/l	100
52) Toluene	10.41	92	254795	48.879	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	124563	47.580	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	138834	48.753	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	67063	46.058	ug/l	97
56) Ethyl methacrylate	10.67	69	74419	50.234	ug/l	99
57) 1,3-Dichloropropane	10.95	76	108131	46.882	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	172017	255.178	ug/l	98
59) 2-Hexanone	10.99	43	112751	233.874	ug/l	100
60) Dibromochloromethane	11.14	129	106544	48.543	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67098	46.861	ug/l	99
64) Tetrachloroethene	10.88	164	108133	45.776	ug/l	97
65) Chlorobenzene	11.67	112	285243	47.735	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	120092	49.274	ug/l	95
67) Ethyl Benzene	11.75	91	493460	48.477	ug/l	98
68) m/p-Xylenes	11.86	106	381562	95.063	ug/l	99
69) o-Xylene	12.18	106	179471	50.366	ug/l	98
70) Styrene	12.20	104	306739	49.505	ug/l	99
71) Bromoform	12.36	173	61403	47.595	ug/l #	94
73) Isopropylbenzene	12.48	105	504683	48.013	ug/l	98
74) N-amyl acetate	12.29	43	58368	44.891	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	59631	42.970	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	49180m	44.183	ug/l	
77) Bromobenzene	12.77	156	125968	48.205	ug/l	99
78) n-propylbenzene	12.83	91	547514	46.996	ug/l	99
79) 2-Chlorotoluene	12.91	91	322511	47.056	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	442347	48.606	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19636	42.199	ug/l	96
82) 4-Chlorotoluene	13.01	91	346008	47.327	ug/l	99
83) tert-Butylbenzene	13.23	119	385621	49.794	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	438298	48.432	ug/l	100
85) sec-Butylbenzene	13.41	105	483957	46.821	ug/l	99
86) p-Isopropyltoluene	13.52	119	485286	47.904	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	235039	46.627	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	230971	45.800	ug/l	98
89) n-Butylbenzene	13.85	91	394354	46.856	ug/l	99
90) Hexachloroethane	14.11	117	87395	46.728	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	202166	46.242	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12956	44.734	ug/l	95

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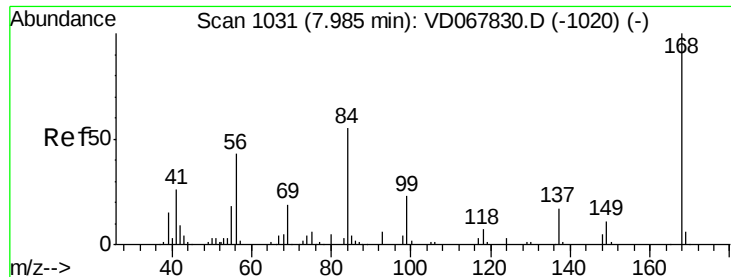
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	147615	48.269	ug/l	99
94) Hexachlorobutadiene	15.27	225	95207	47.710	ug/l	98
95) Naphthalene	15.40	128	241694	48.569	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	127460	48.262	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 215800

Ion Ratio Lower Upper

168 100

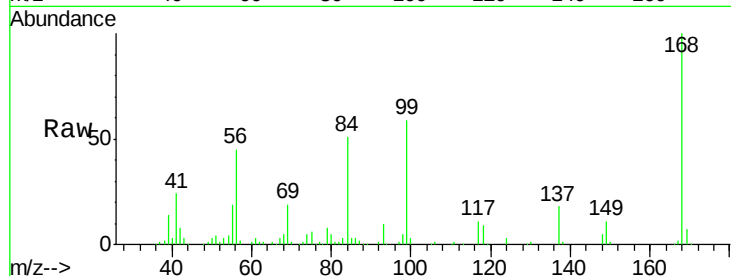
99 58.8 47.1 70.7

Manual Integrations

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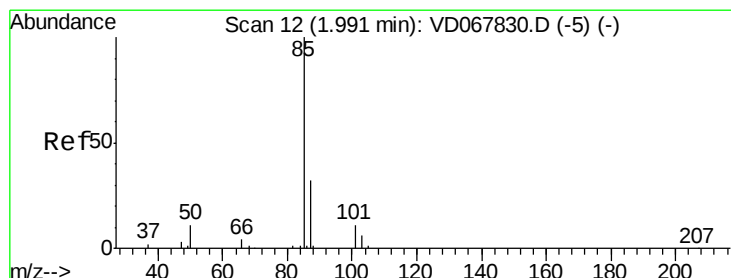
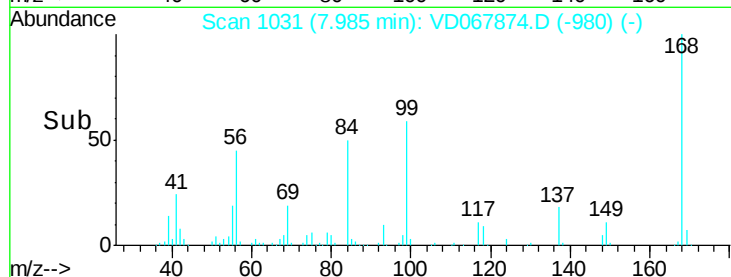
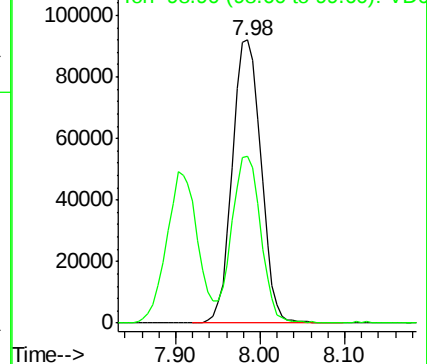
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.417 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067874.D

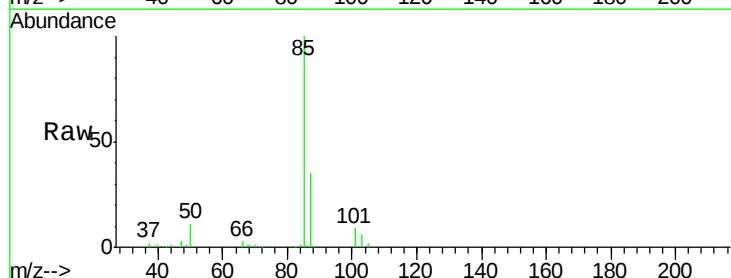
Acq: 03 Dec 2020 18:21

Tgt Ion: 85 Resp: 90930

Ion Ratio Lower Upper

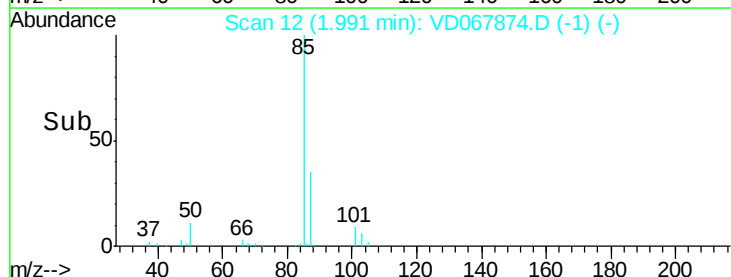
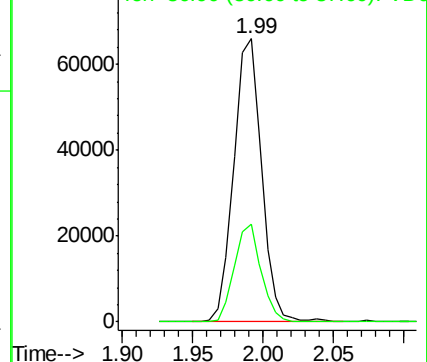
85 100

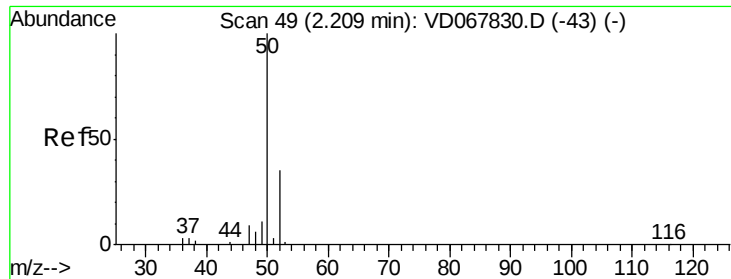
87 34.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.709 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 46290

Ion Ratio Lower Upper

50 100

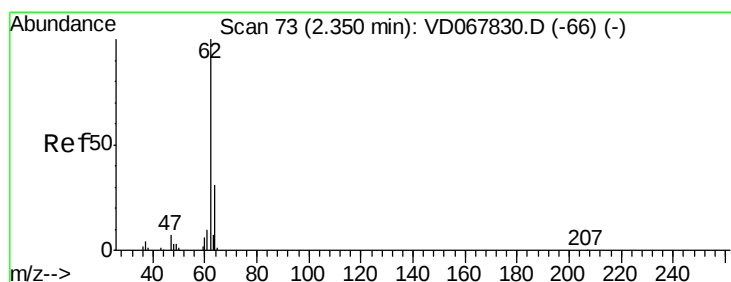
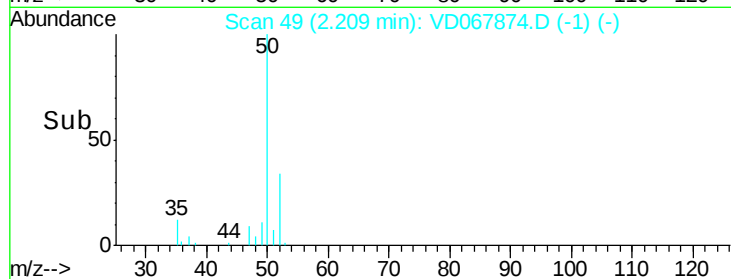
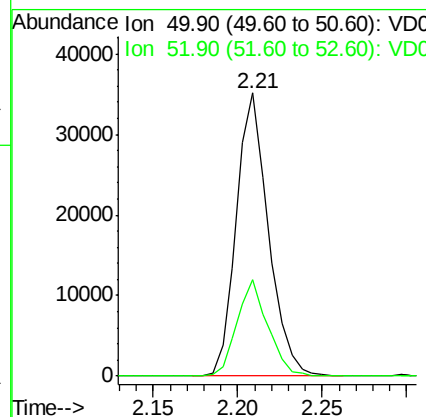
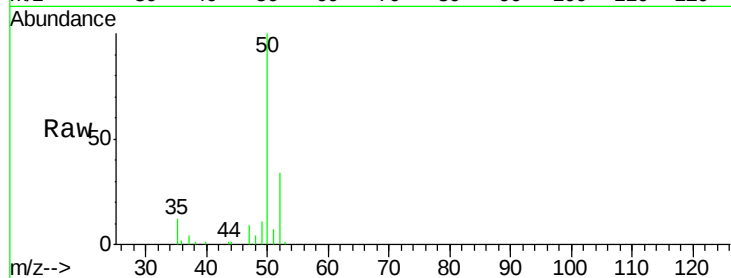
52 33.9 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.386 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067874.D

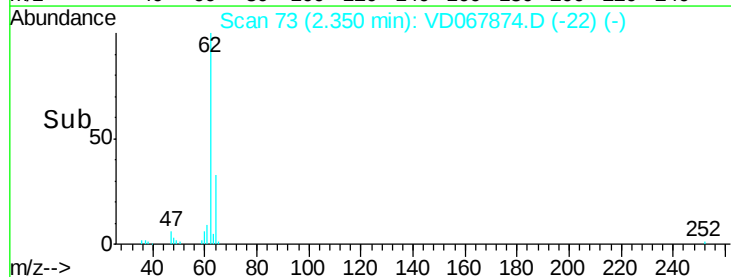
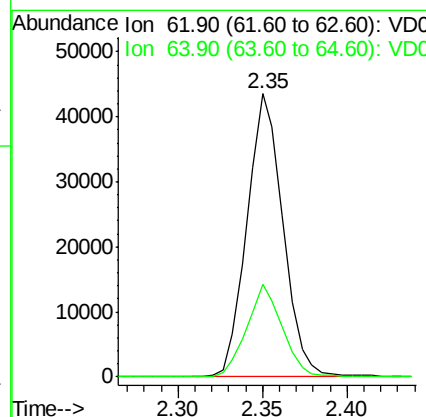
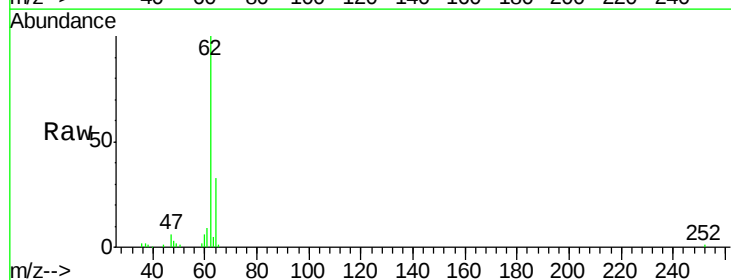
Acq: 03 Dec 2020 18:21

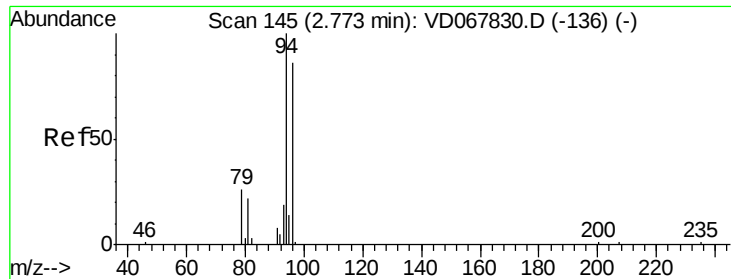
Tgt Ion: 62 Resp: 64683

Ion Ratio Lower Upper

62 100

64 32.5 24.5 36.7





#5

Bromomethane

Concen: 57.753 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 70376

Ion Ratio Lower Upper

94 100

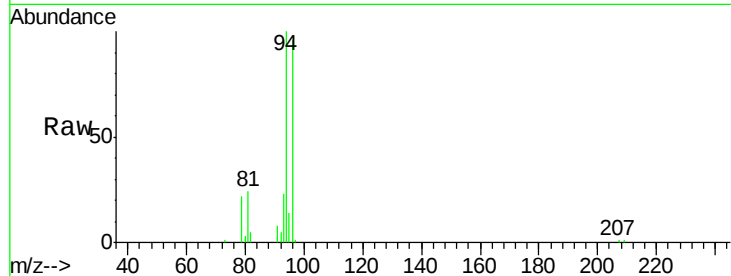
96 95.6 68.7 103.1

Manual Integrations

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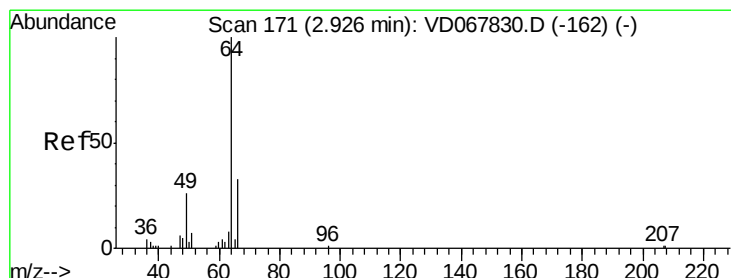
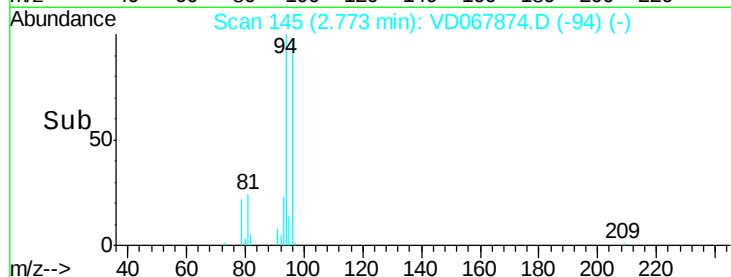
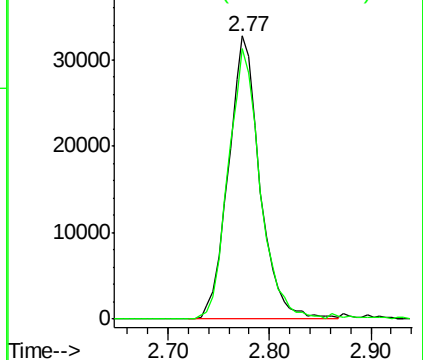
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.668 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067874.D

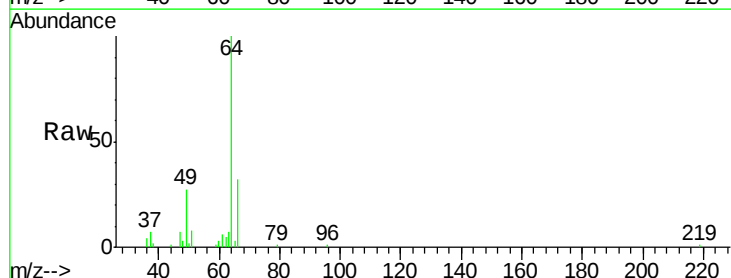
Acq: 03 Dec 2020 18:21

Tgt Ion: 64 Resp: 42365

Ion Ratio Lower Upper

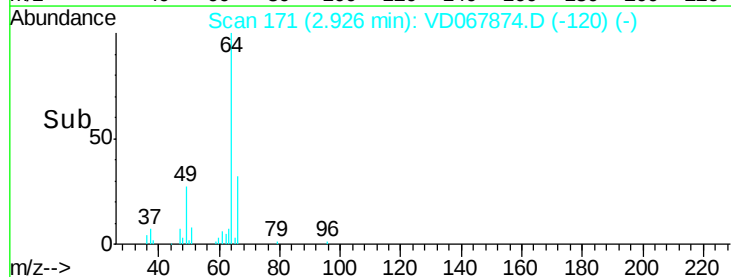
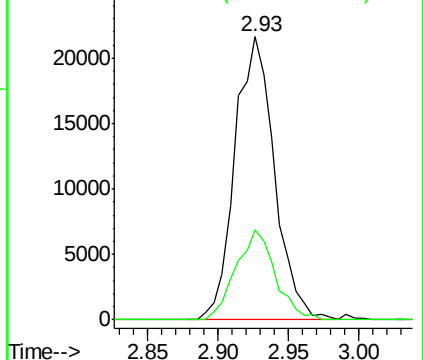
64 100

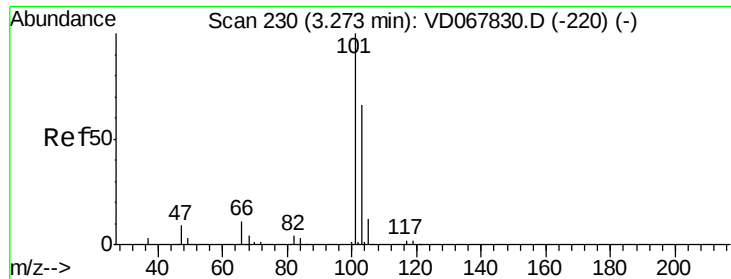
66 31.7 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

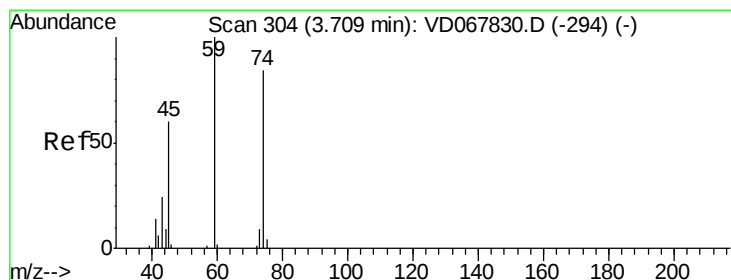
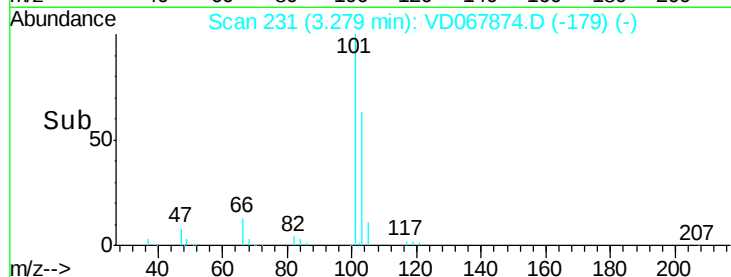
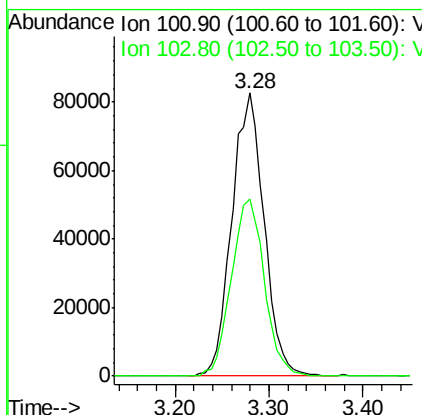
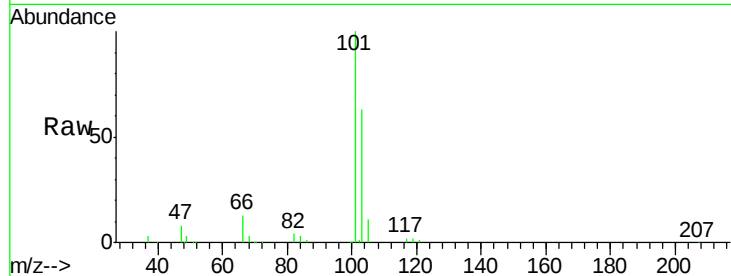
Trichlorofluoromethane
 Concen: 47.092 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	53.0	79.6

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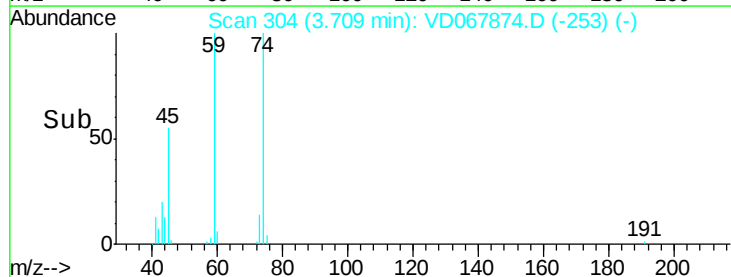
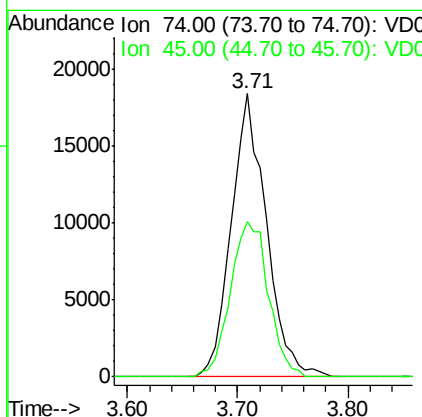
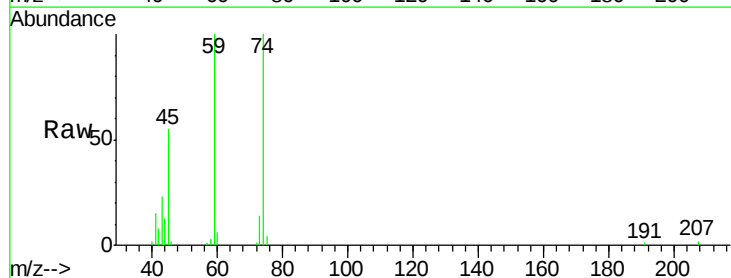
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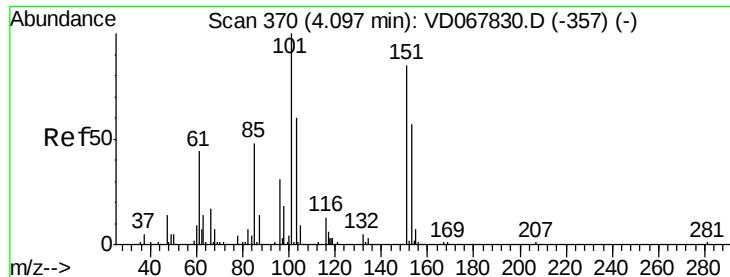


#8

Diethyl Ether
 Concen: 50.368 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	59.4	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.432 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

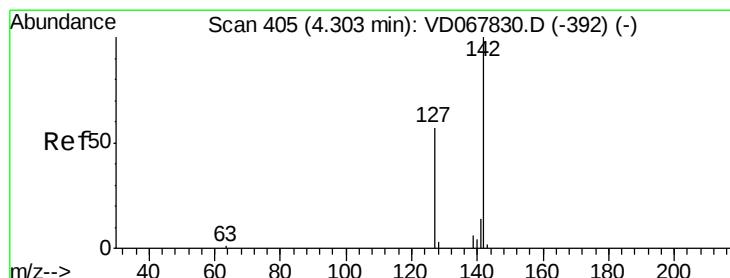
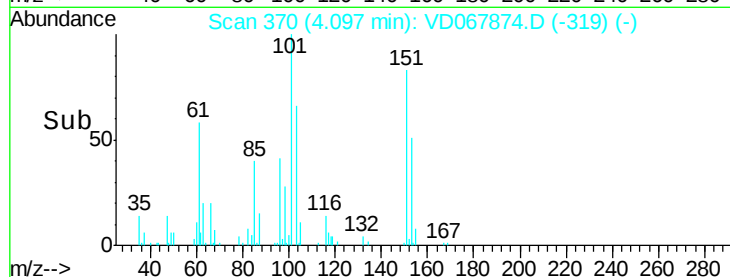
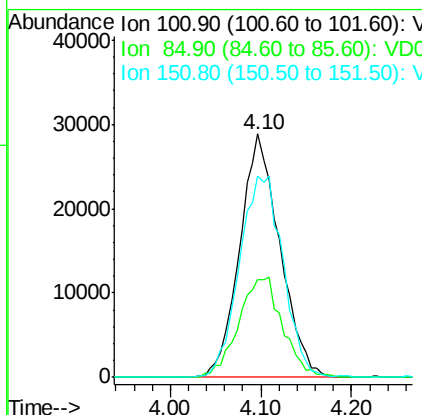
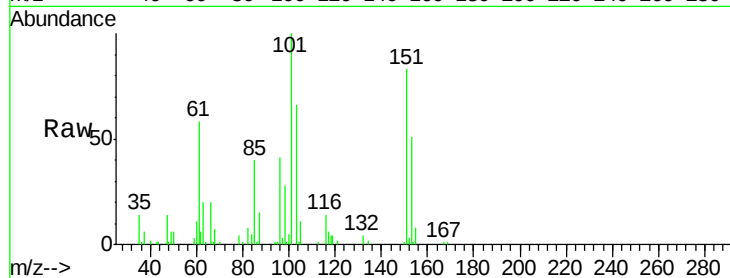
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	88440
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.2	54.4
151	90.4	69.4	104.2

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#10

Methyl Iodide

Concen: 37.021 ug/l

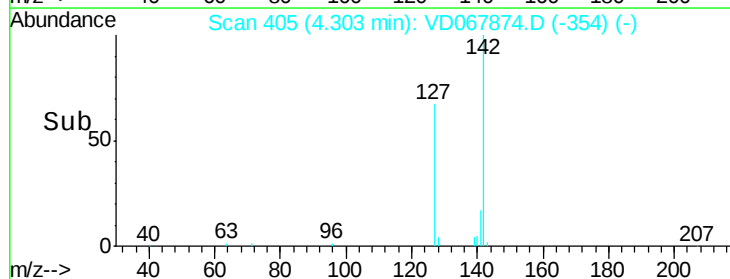
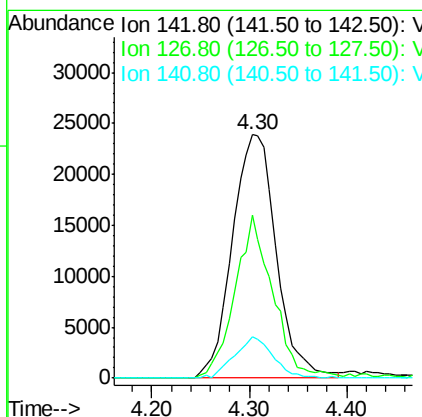
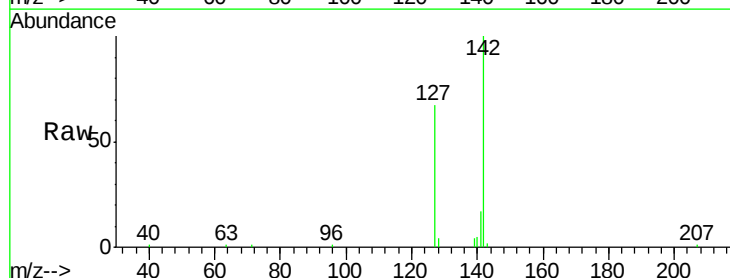
RT: 4.30 min Scan# 405

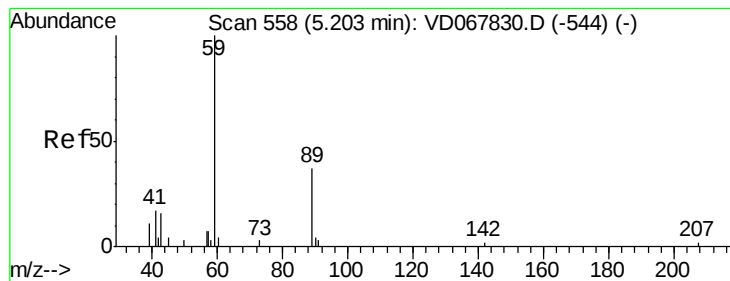
Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Tgt Ion:	142	Resp:	74741
Ion Ratio	Lower	Upper	
142	100		
127	57.7	43.9	65.9
141	14.8	12.2	18.2





#11

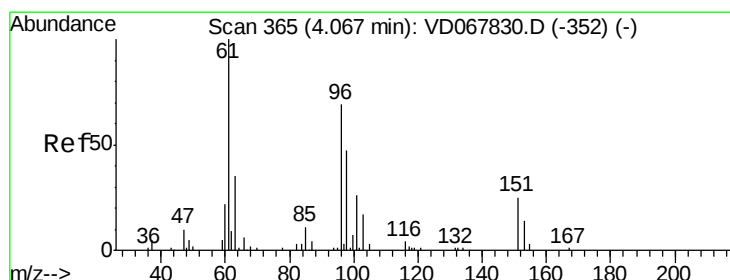
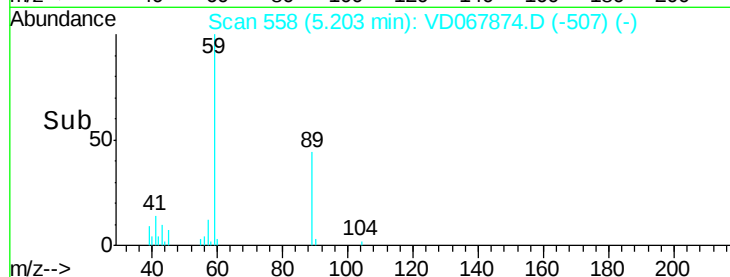
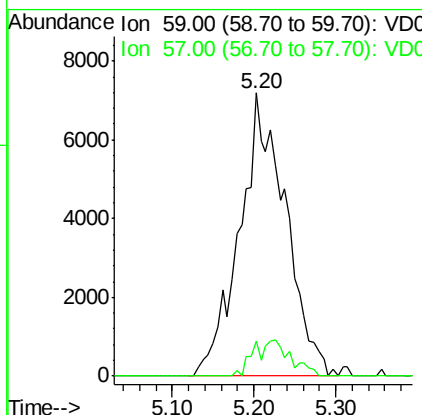
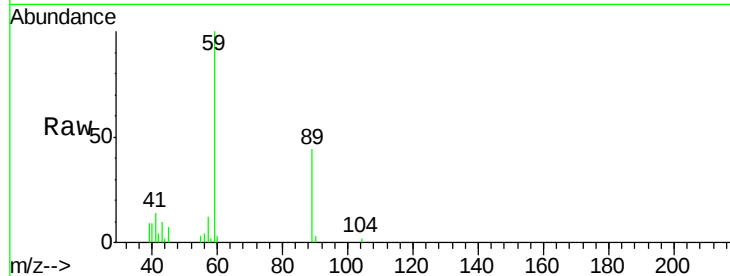
Tert butyl alcohol
Concen: 230.203 ug/l
RT: 5.20 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	27962
Ion Ratio	100	Lower	Upper
57	3.1	7.7	11.5#

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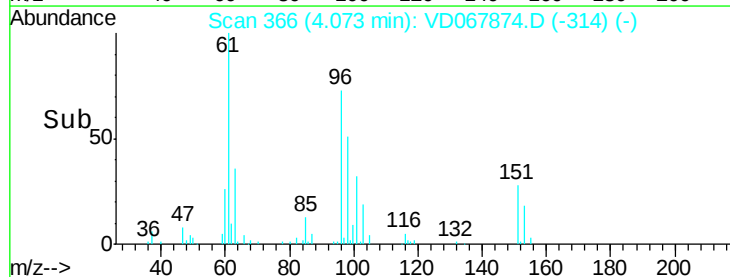
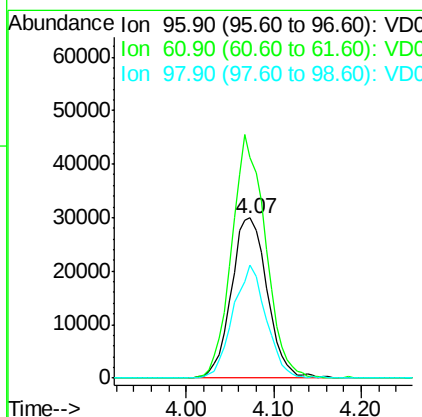
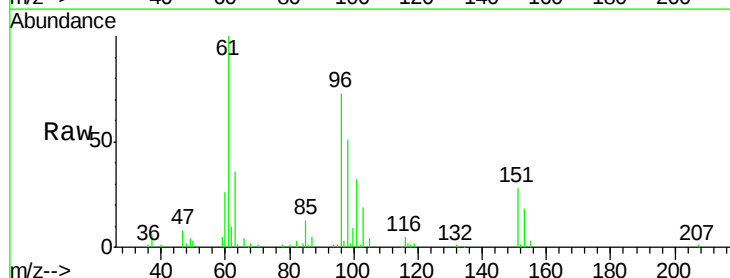
MMDadoda
12/4/2020 11:26:35 AM

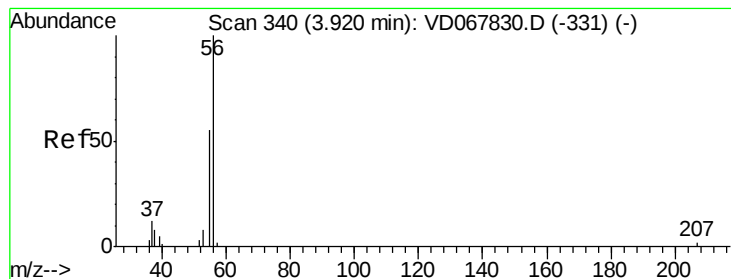


#12

1,1-Dichloroethene
Concen: 46.648 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	96	Resp	83417
Ion Ratio	100	Lower	Upper
61	137.9	116.1	174.1
98	70.6	54.6	82.0





#13

Acrolein

Concen: 206.385 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 18374

Ion Ratio Lower Upper

56 100

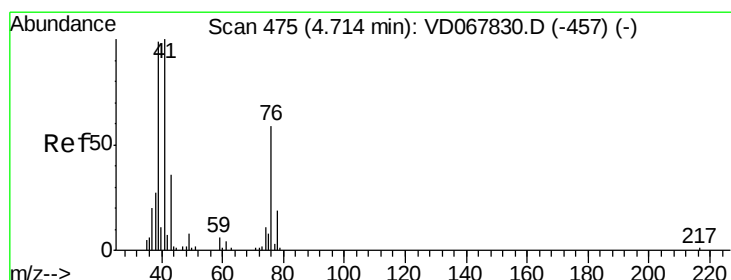
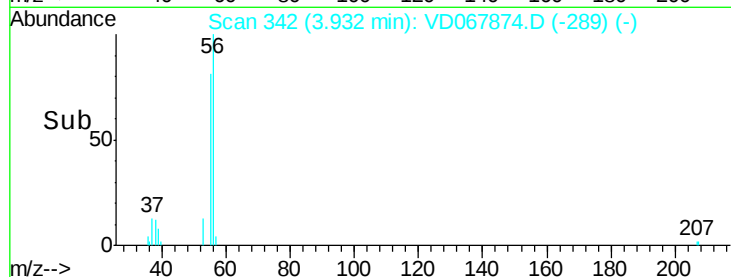
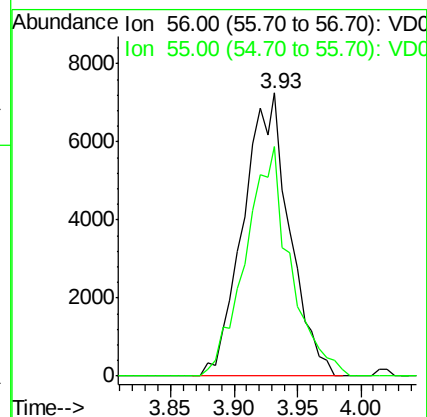
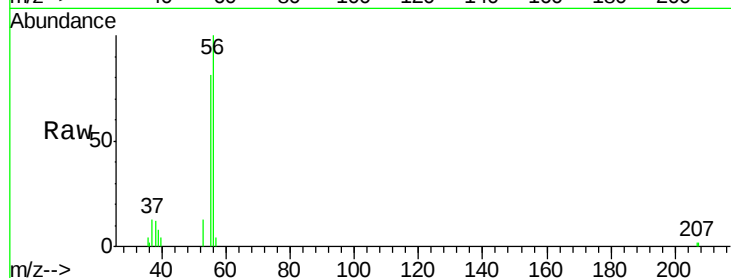
55 78.7 56.5 84.7

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#14

Allyl chloride

Concen: 48.626 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

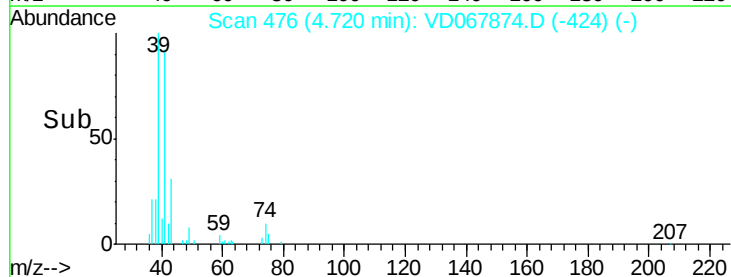
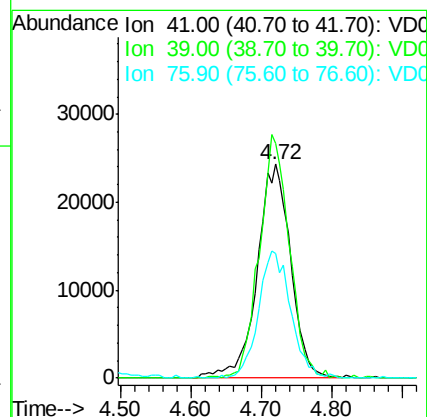
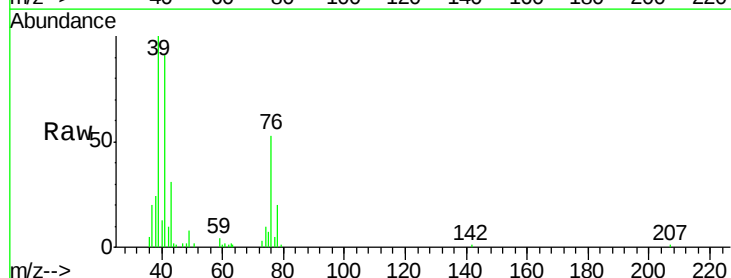
Tgt Ion: 41 Resp: 80442

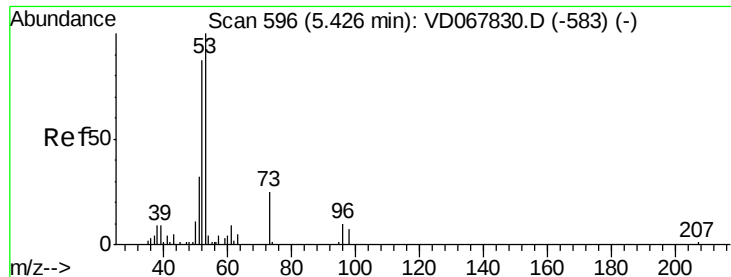
Ion Ratio Lower Upper

41 100

39 102.4 79.0 118.6

76 56.7 46.6 70.0





#15

Acrylonitrile

Concen: 240.377 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

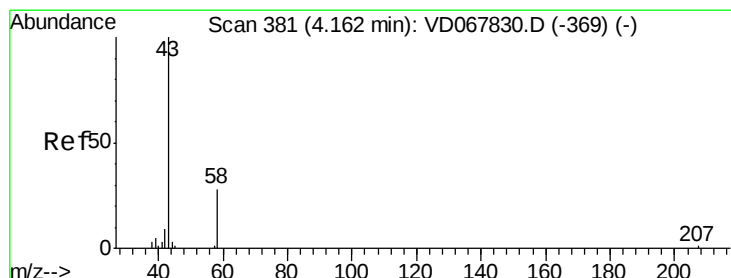
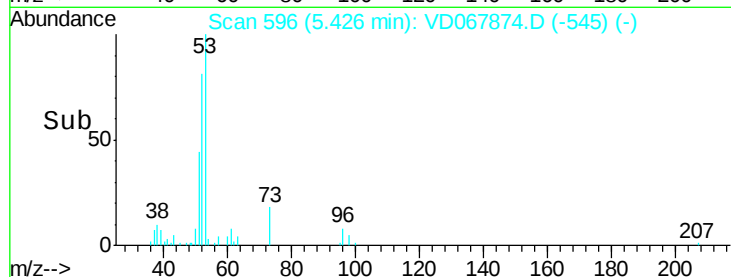
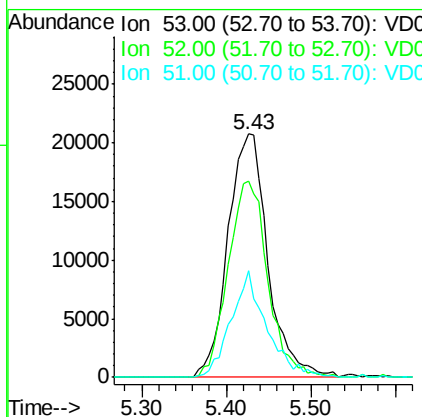
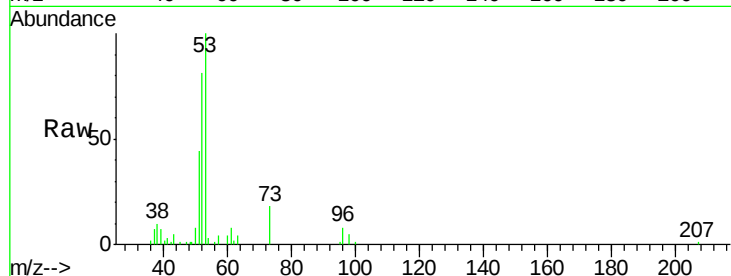
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	67857
Ion	Ratio	Lower	Upper
53	100		
52	80.0	66.2	99.2
51	39.1	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 230.559 ug/l

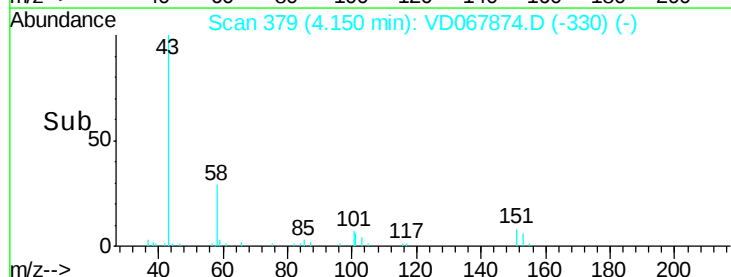
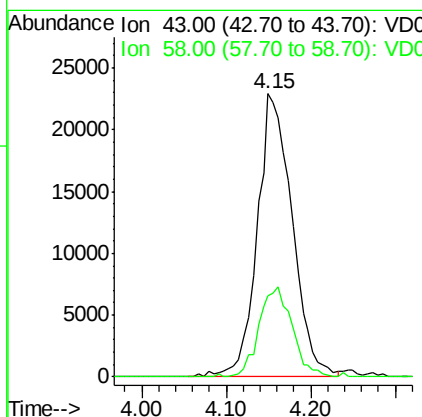
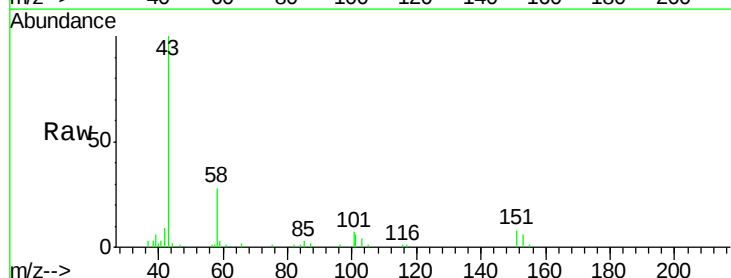
RT: 4.15 min Scan# 379

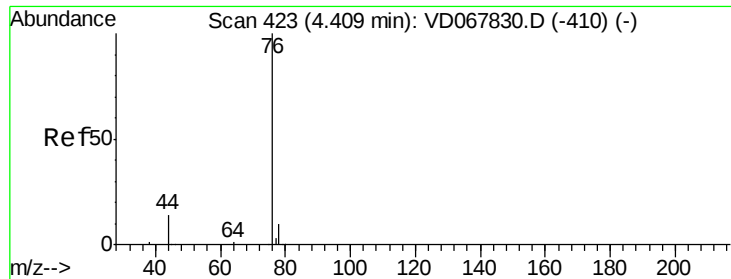
Delta R.T. -0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Tgt Ion:	43	Resp:	66003
Ion	Ratio	Lower	Upper
43	100		
58	28.5	21.9	32.9





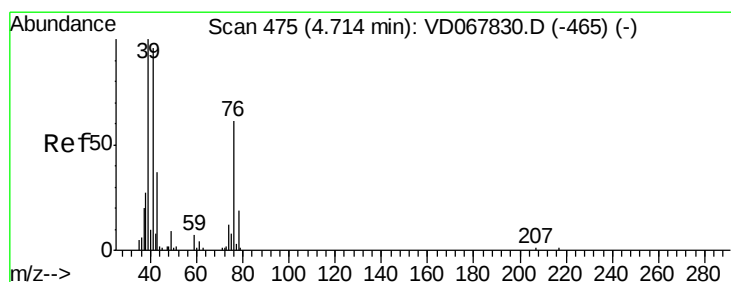
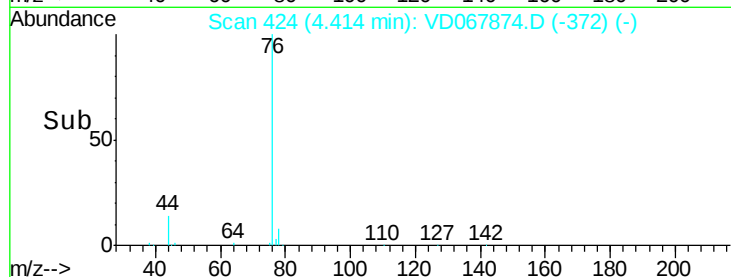
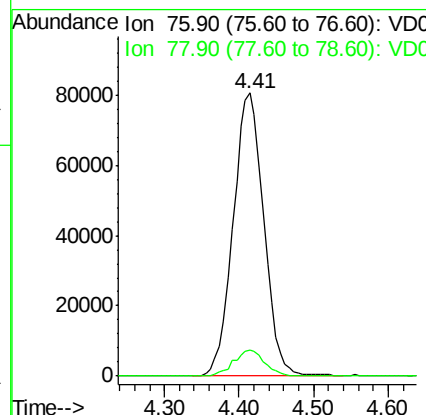
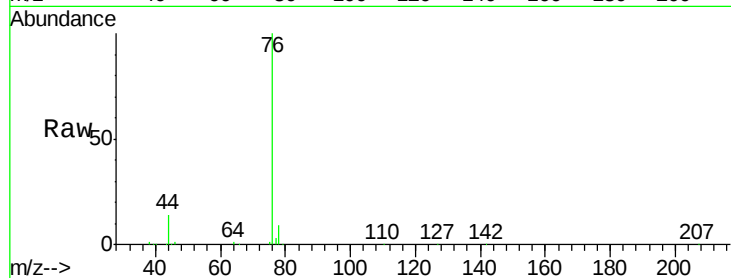
#17
Carbon Disulfide
Concen: 46.052 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.8	11.6

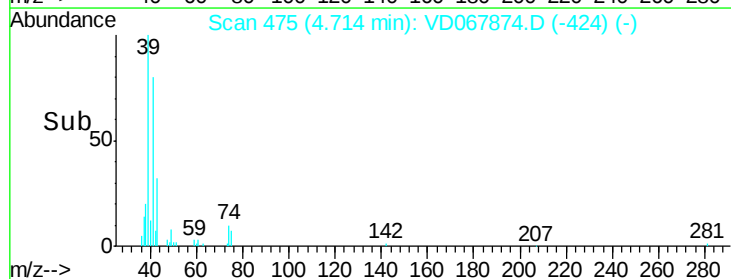
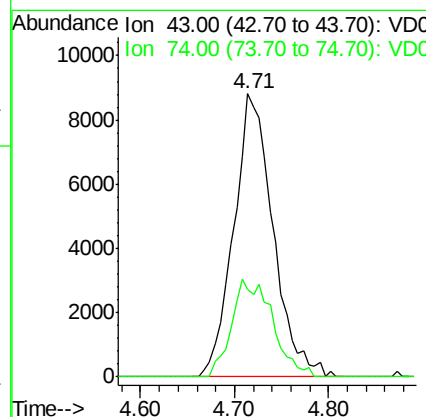
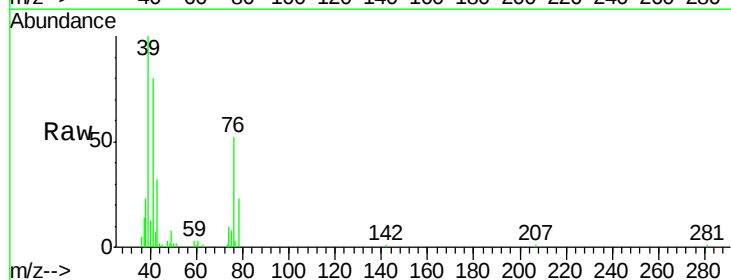
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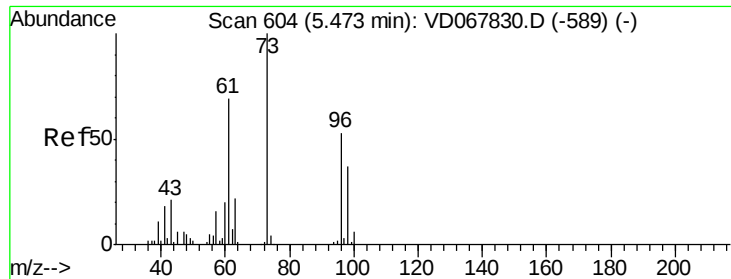
MMDadoda
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#18
Methyl Acetate
Concen: 47.651 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	35.8	27.0	40.4





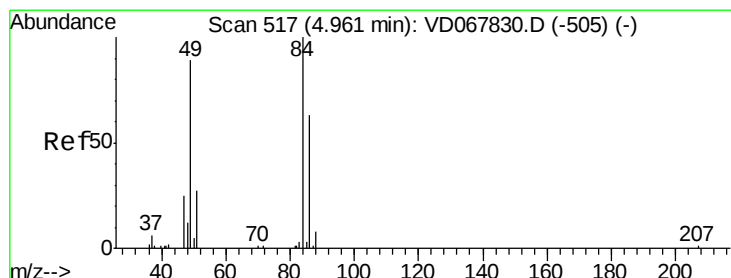
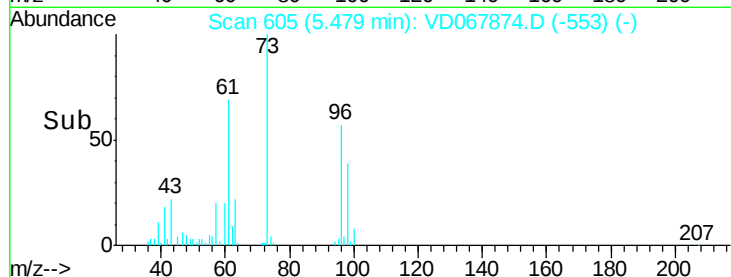
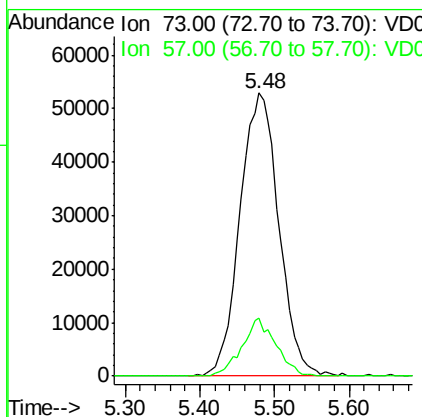
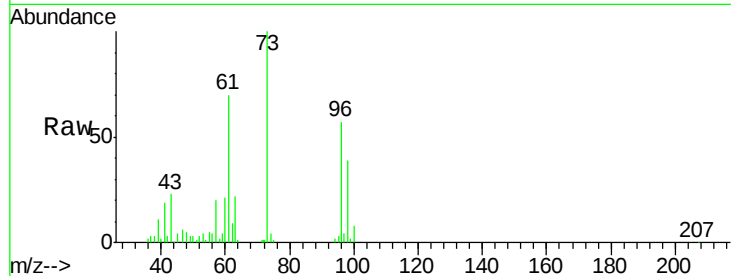
#19
Methvl tert-butvl Ether
Concen: 50.028 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 191563
Ion Ratio Lower Upper
73 100
57 20.5 13.2 19.8#

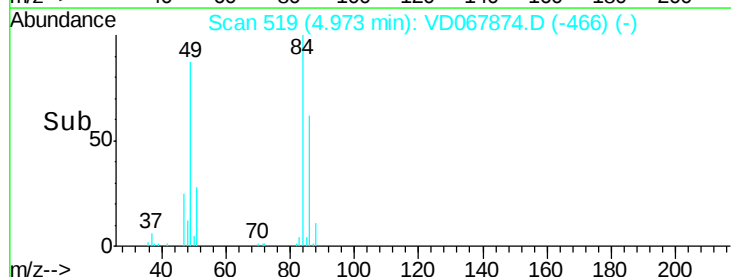
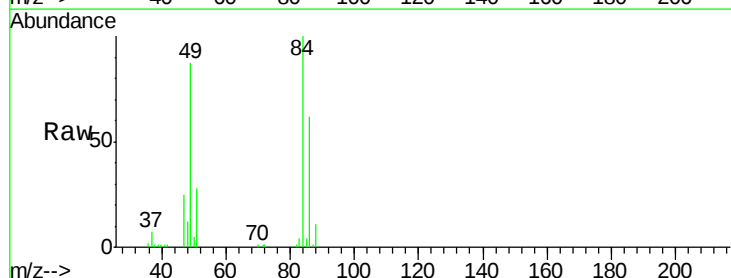
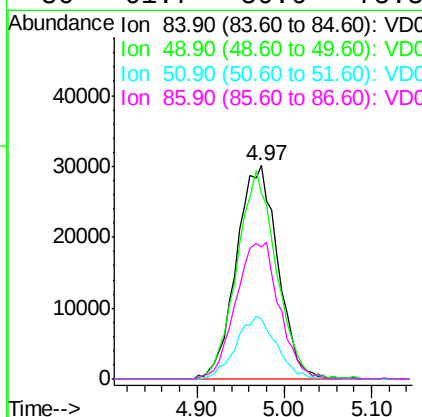
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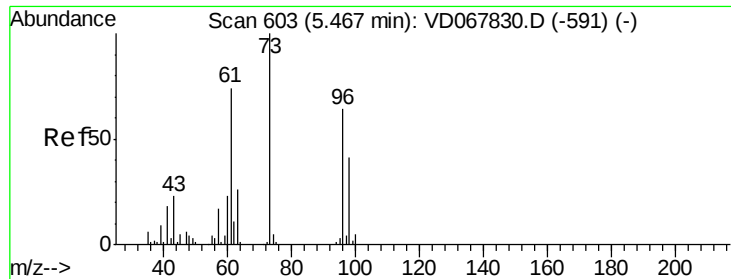
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#20
Methylene Chloride
Concen: 52.353 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion: 84 Resp: 96724
Ion Ratio Lower Upper
84 100
49 86.7 71.4 107.0
51 28.5 21.8 32.8
86 61.7 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 47.664 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

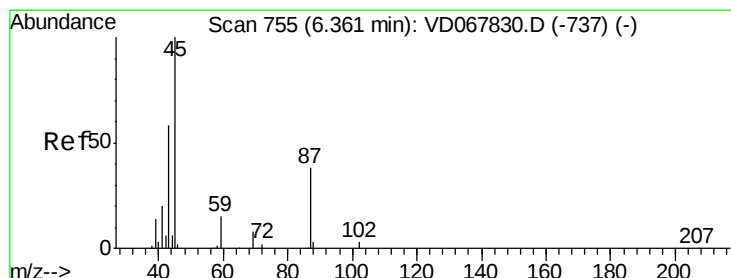
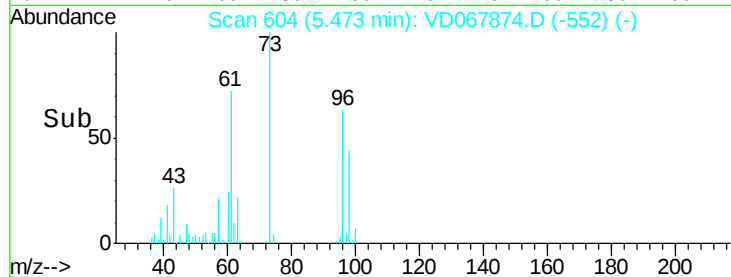
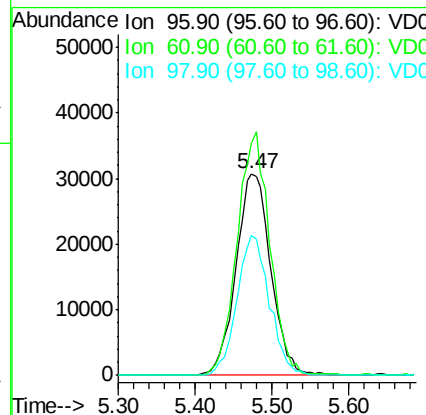
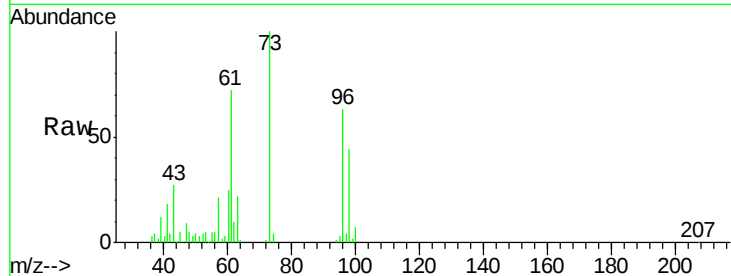
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	96989
Ion	Ratio	Lower	Upper
96	100		
61	115.2	93.1	139.7
98	69.4	52.2	78.2

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#22

Diisopropyl ether

Concen: 48.180 ug/l

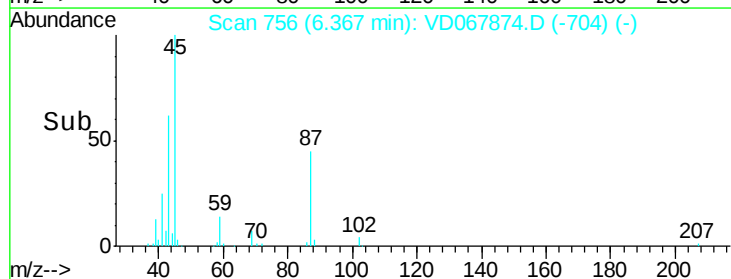
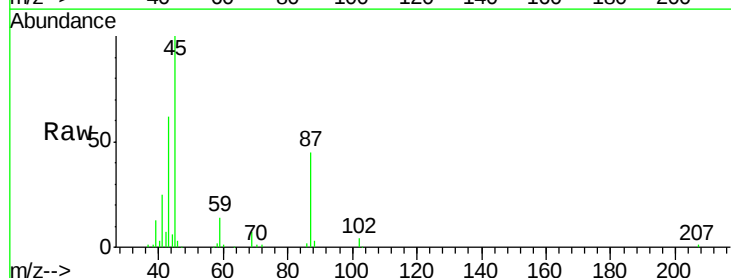
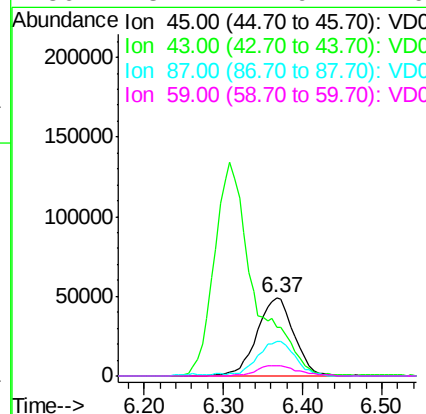
RT: 6.37 min Scan# 756

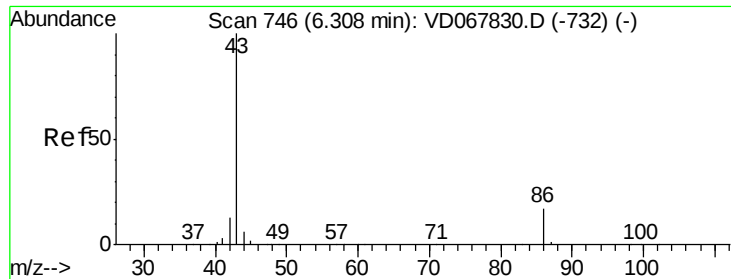
Delta R.T. 0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Tgt Ion:	45	Resp:	160305
Ion	Ratio	Lower	Upper
45	100		
43	59.8	49.8	74.6
87	44.6	32.1	48.1
59	13.4	11.9	17.9





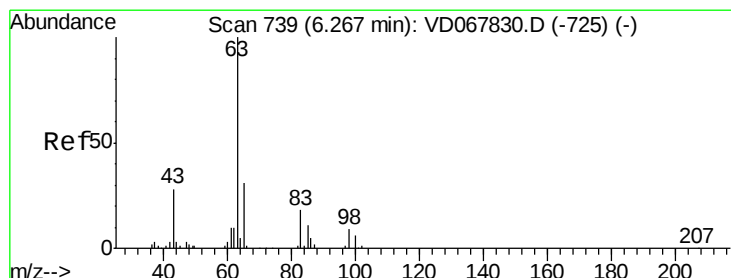
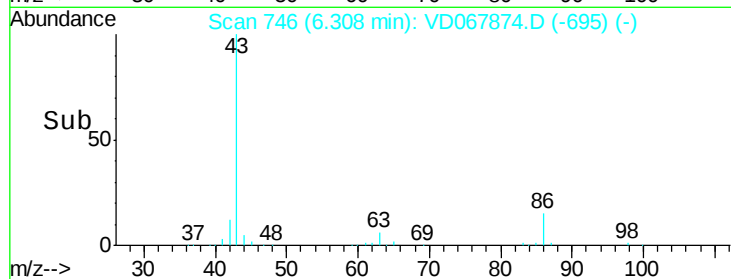
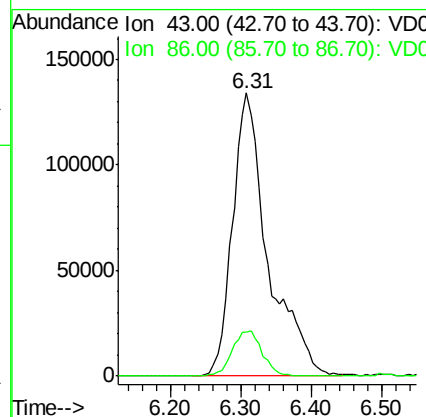
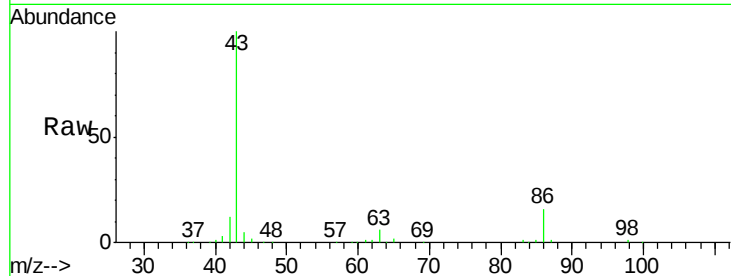
#23
 Vinyl Acetate
 Concen: 252.887 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	468089
Ion Ratio	100	Lower	Upper
43	100		
86	15.6	13.8	20.6

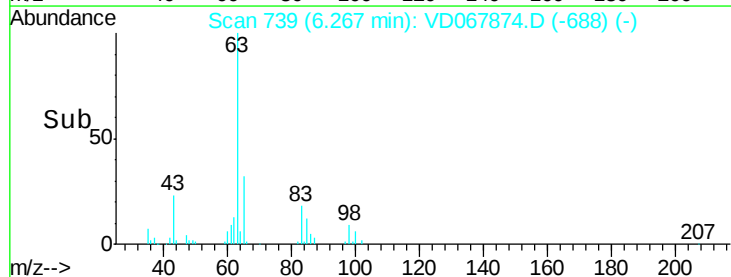
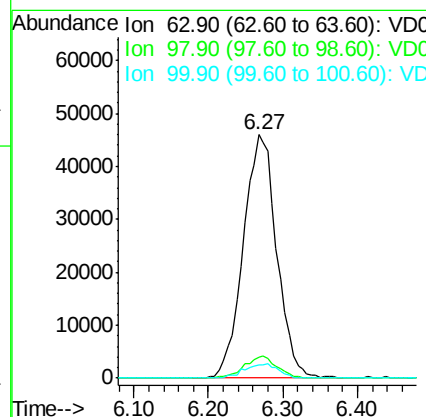
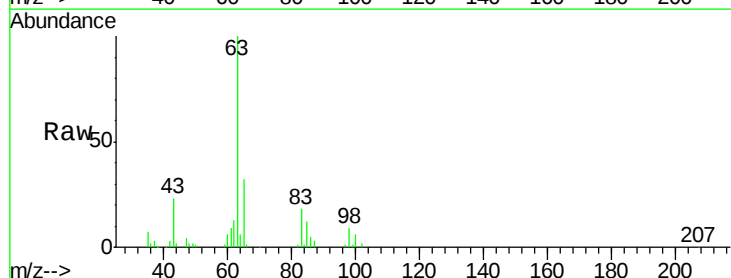
Manual Integrations
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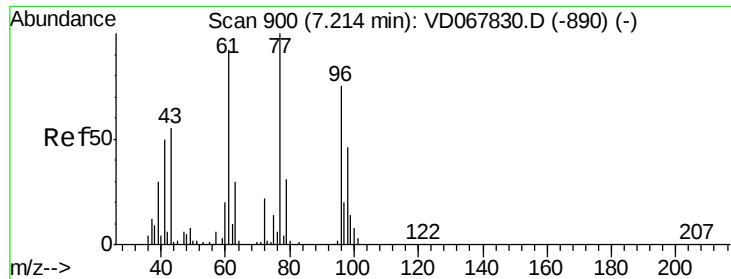
MMDadoda
 12/4/2020 11:26:35 AM



#24
 1,1-Dichloroethane
 Concen: 48.845 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	63	Resp	142463
Ion Ratio	100	Lower	Upper
63	100		
98	8.6	4.5	13.5
100	5.6	3.0	9.2





#25

2-Butanone

Concen: 237.128 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 71400

Ion Ratio Lower Upper

43 100

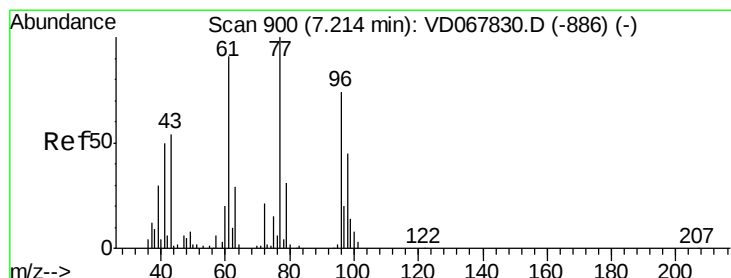
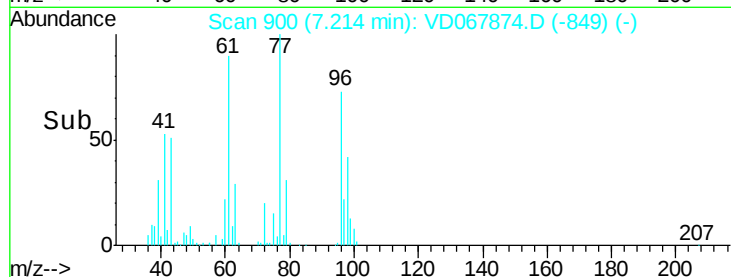
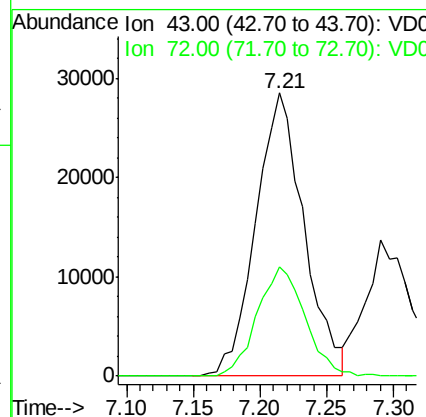
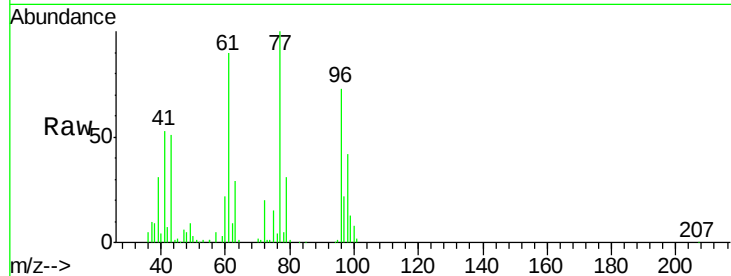
72 38.7 31.3 46.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.303 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067874.D

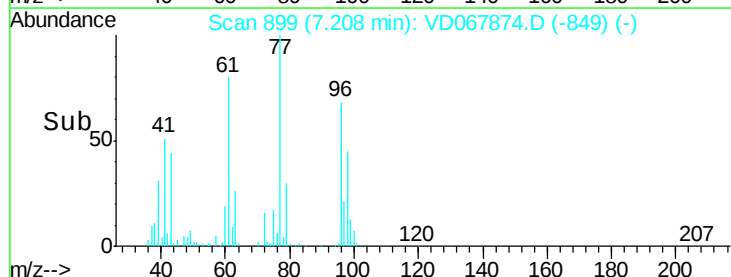
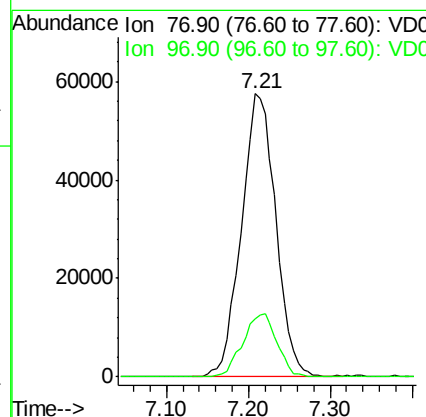
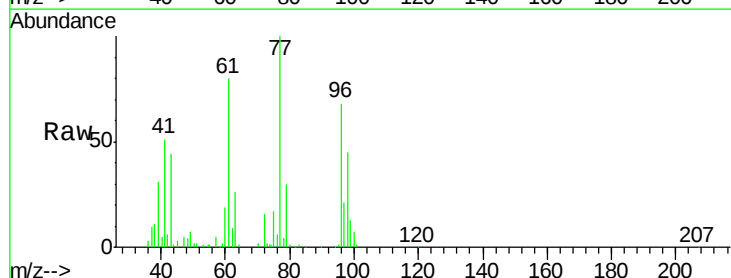
Acq: 03 Dec 2020 18:21

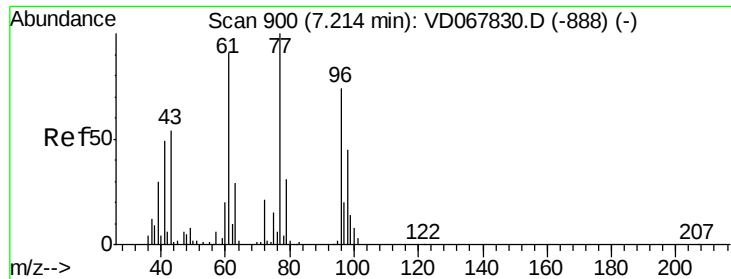
Tgt Ion: 77 Resp: 167997

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1





#27

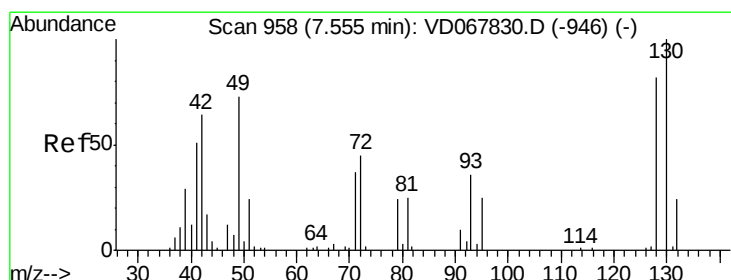
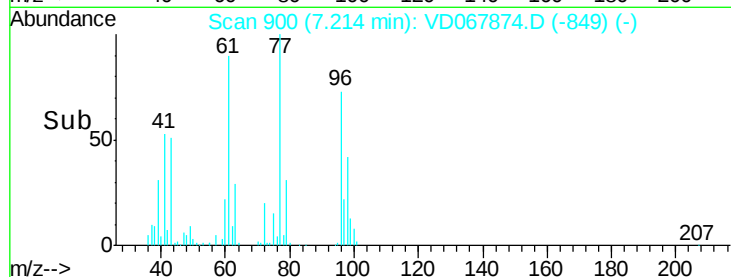
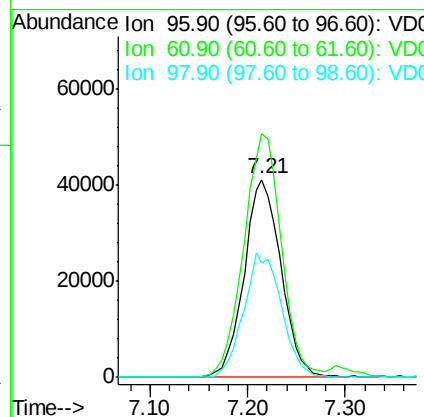
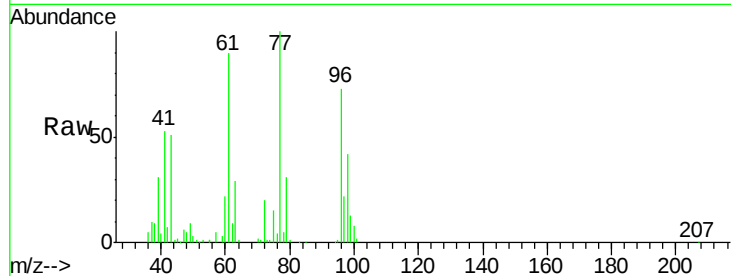
cis-1,2-Dichloroethene
 Concen: 48.814 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.0	0.0	248.4
98	64.5	0.0	127.4

Manual Integrations
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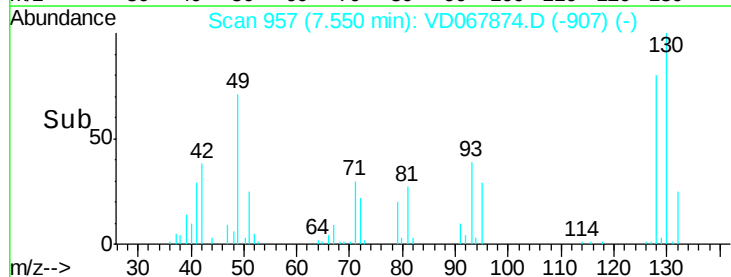
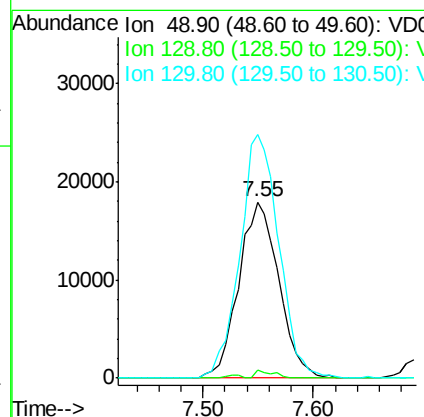
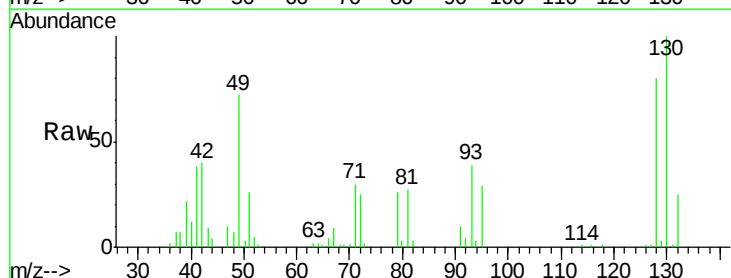
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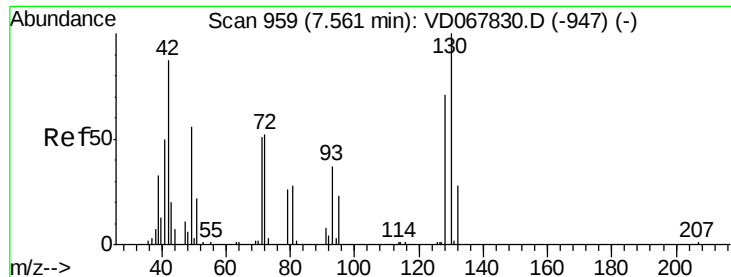


#28

Bromochloromethane
 Concen: 49.431 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	134.3	110.2	165.2





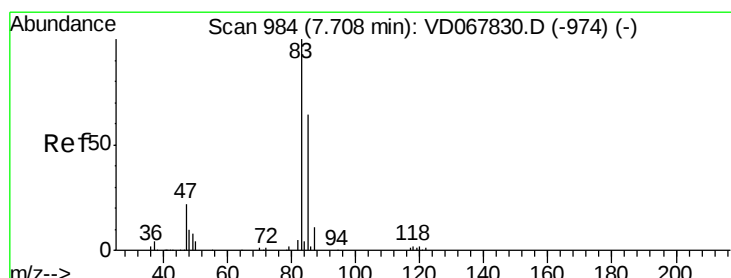
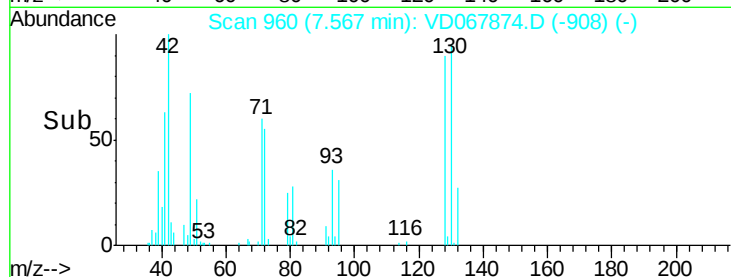
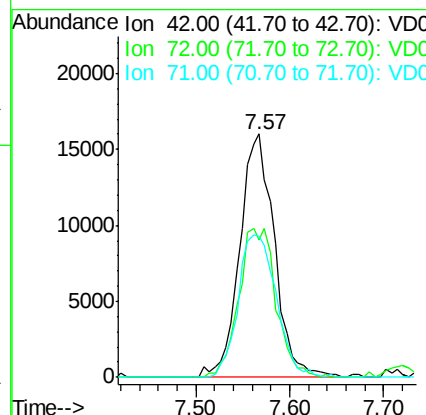
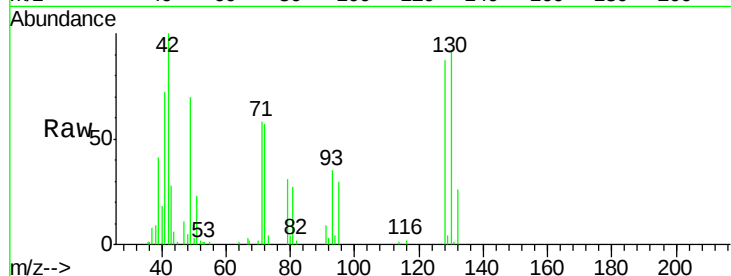
#29
Tetrahydrofuran
Concen: 239.810 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	65.5	51.9	77.9
71	64.3	48.2	72.4

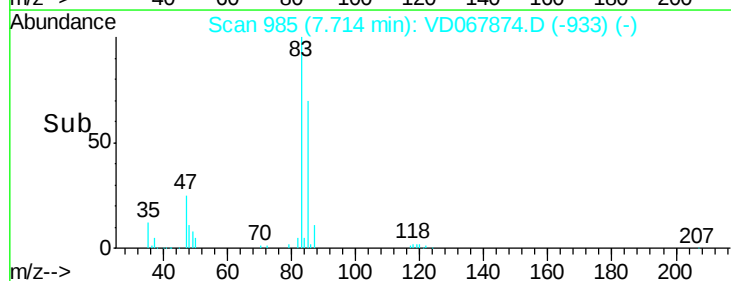
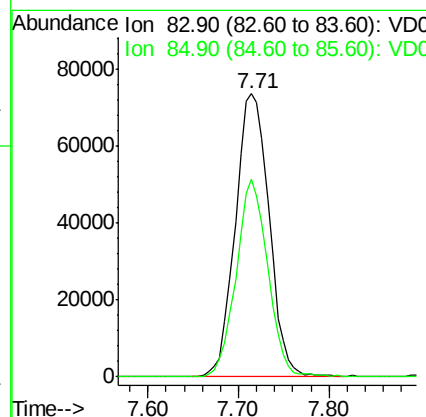
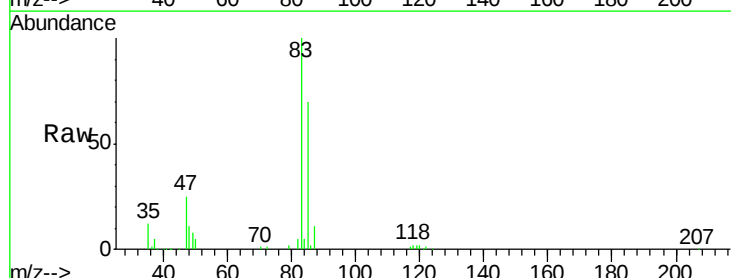
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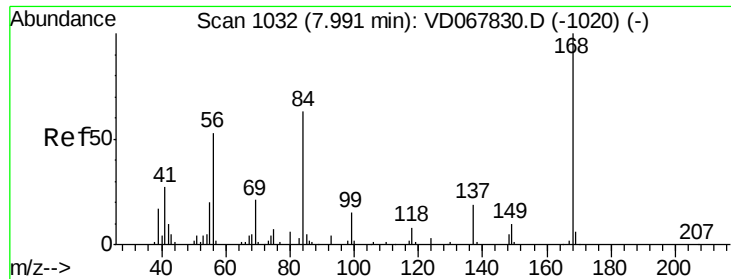
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#30
Chloroform
Concen: 48.910 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.7	51.0	76.4





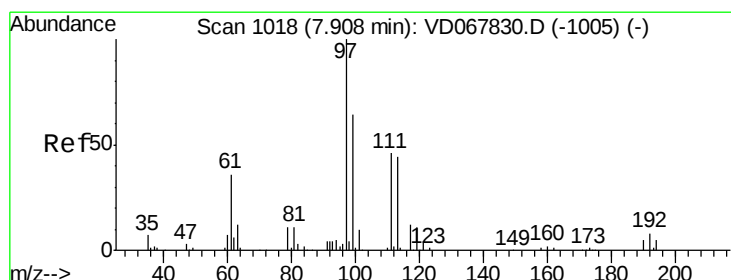
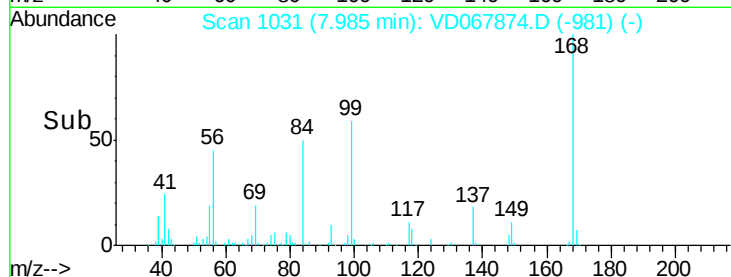
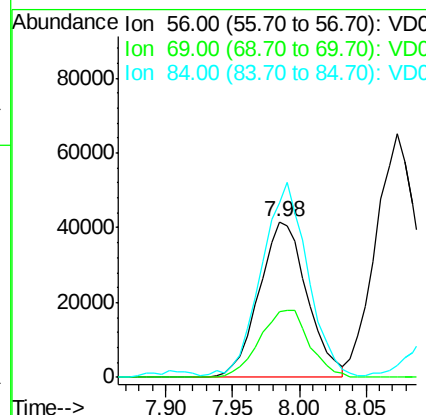
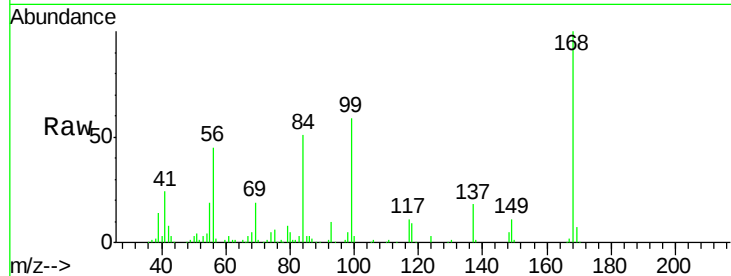
#31
Cyclohexane
Concen: 42.618 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.8	32.1	48.1
84	109.0	93.2	139.8

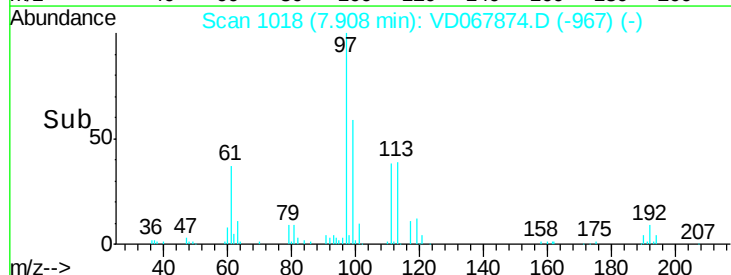
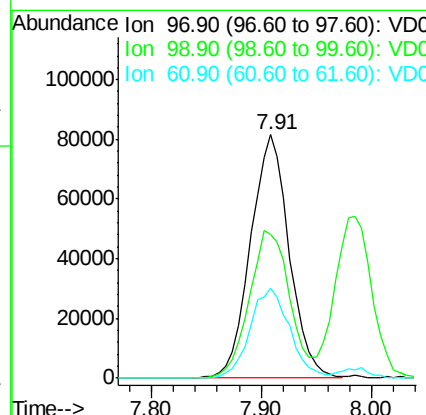
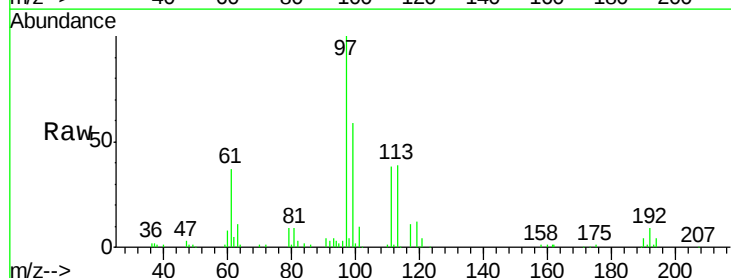
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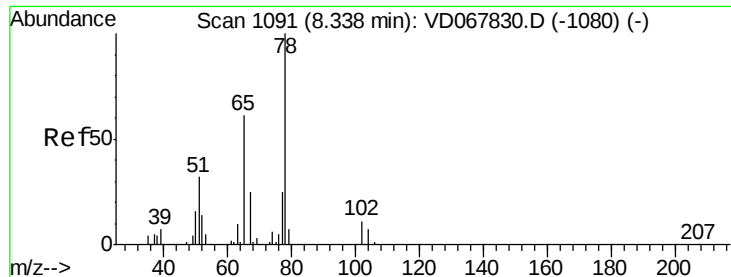
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#32
1,1,1-Trichloroethane
Concen: 48.588 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	38.1	30.8	46.2





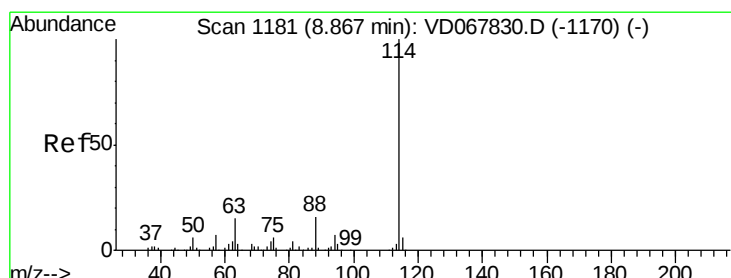
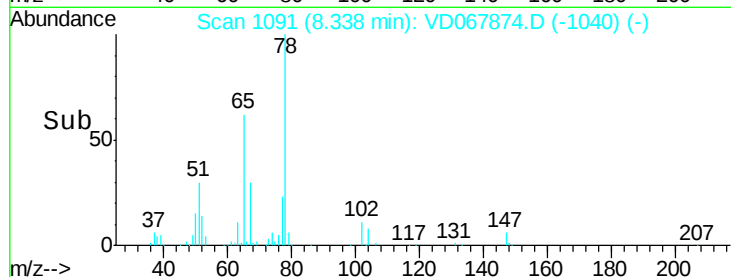
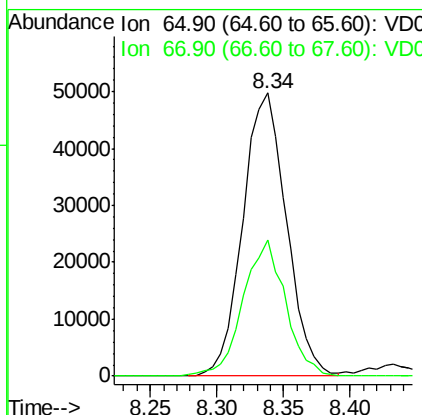
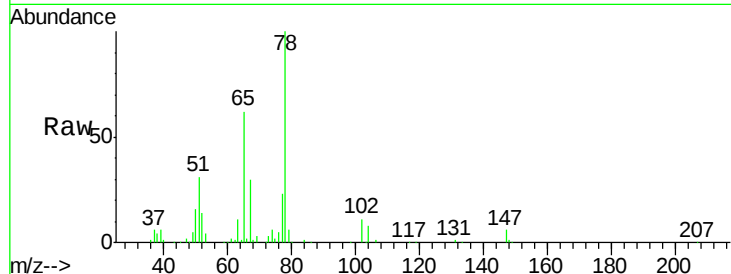
#33
 1,2-Dichloroethane-d4
 Concen: 48.655 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	46.7	0.0	92.0	

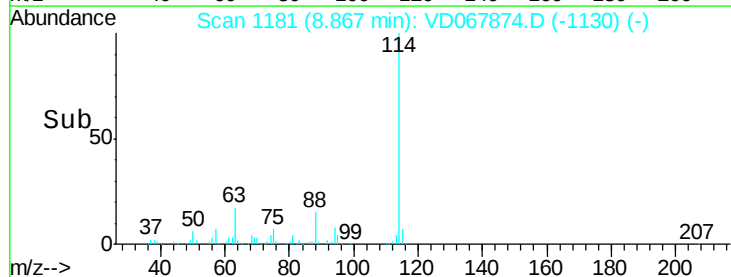
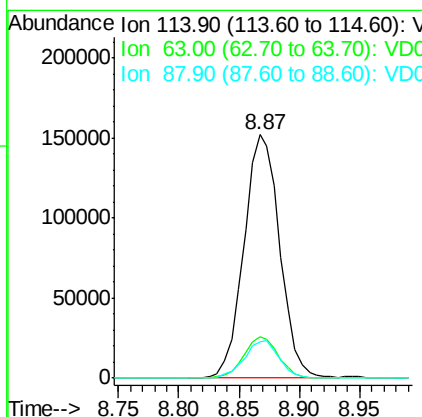
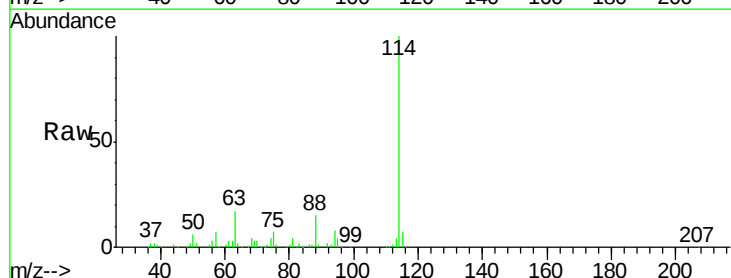
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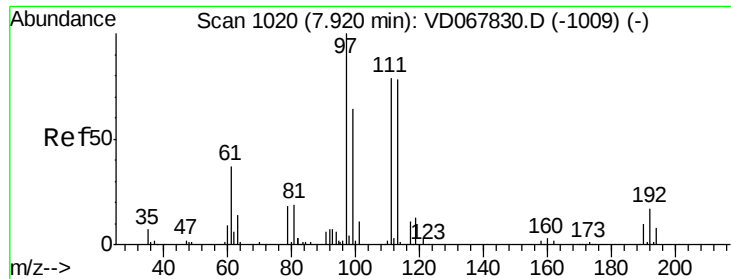
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.8	0.0	30.8	
88	15.1	0.0	31.8	





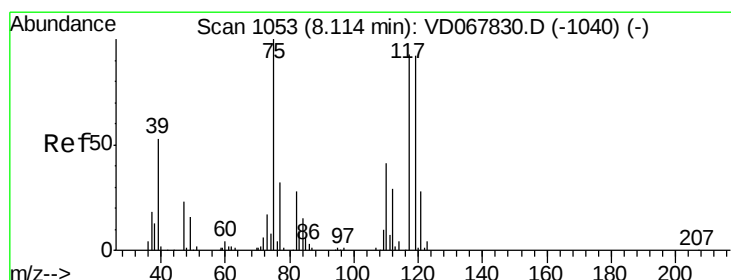
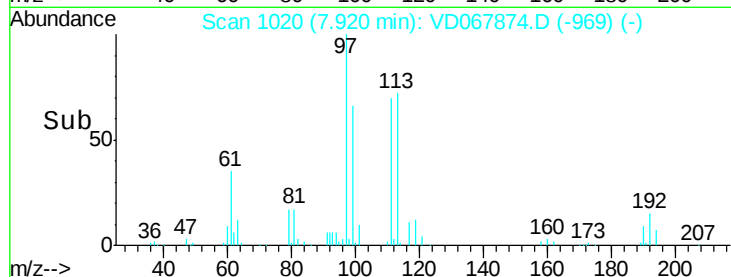
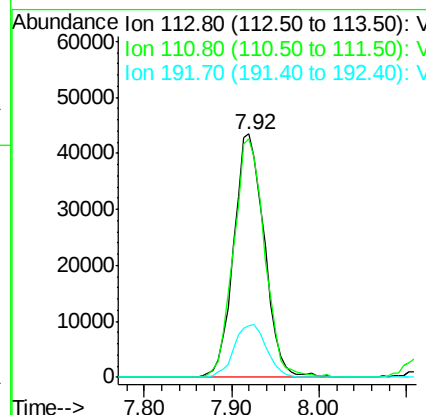
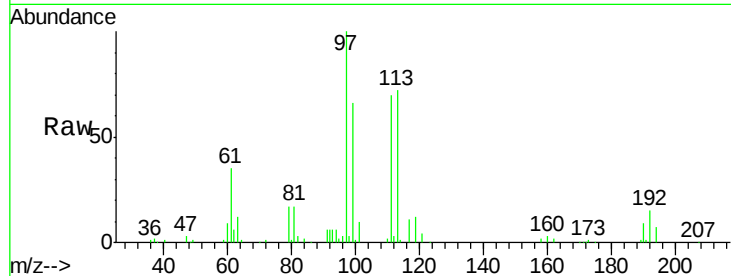
#35
 Dibromofluoromethane
 Concen: 48.833 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102850		
111	99.5	81.2	121.8	
192	23.0	16.8	25.2	

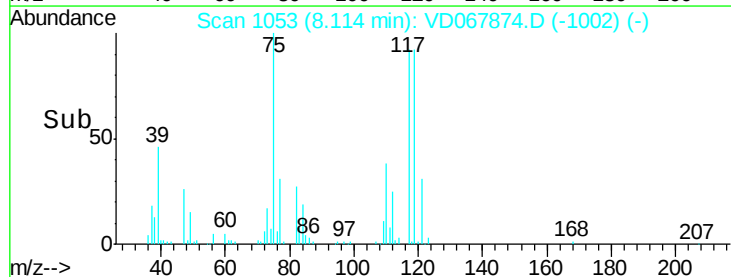
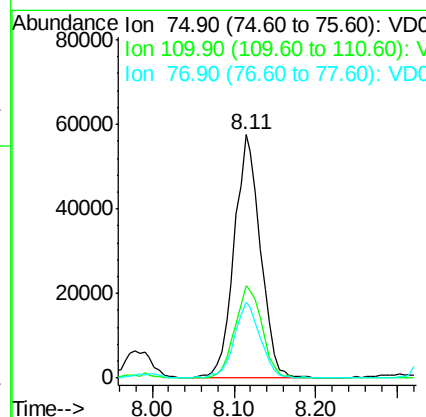
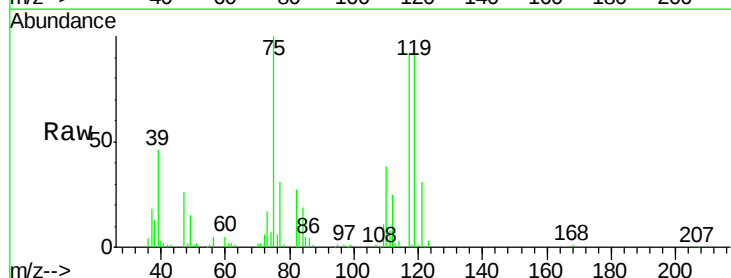
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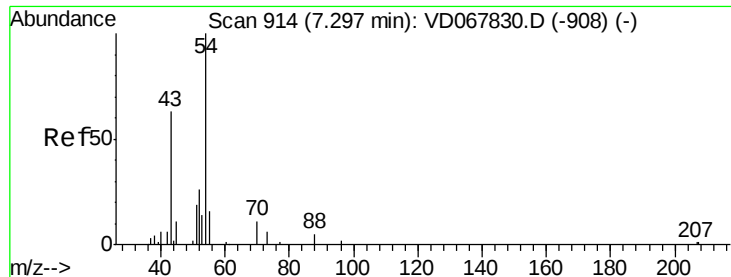
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#36
 1,1-Dichloropropene
 Concen: 47.349 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129016		
110	38.8	20.3	61.0	
77	30.7	24.7	37.1	





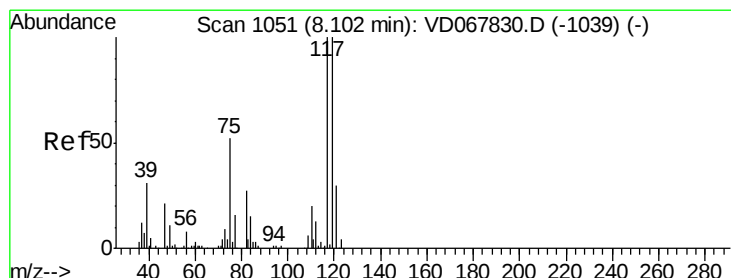
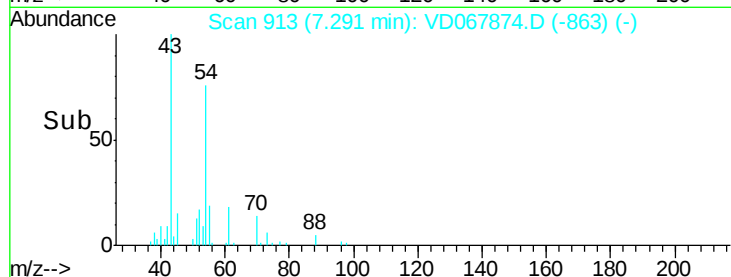
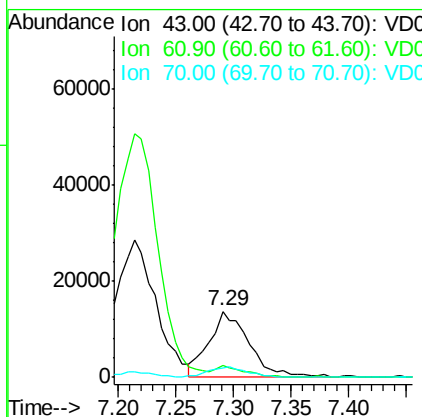
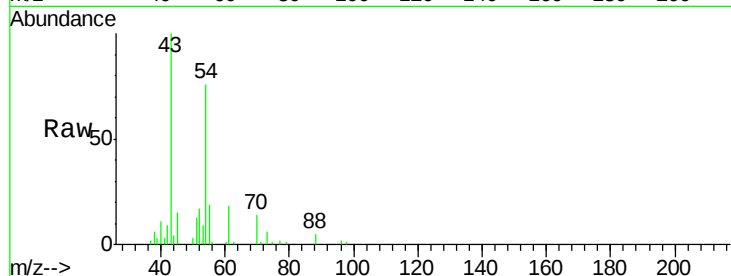
#37
Ethyl Acetate
Concen: 45.520 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.4	17.2
70	14.8	11.5	17.3

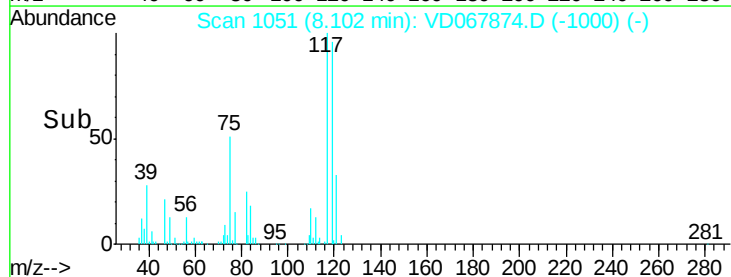
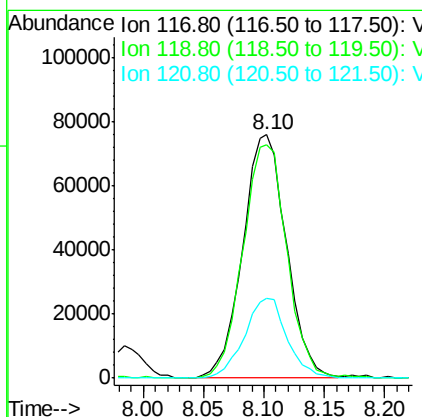
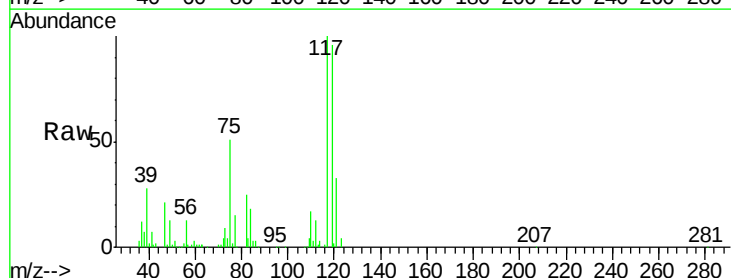
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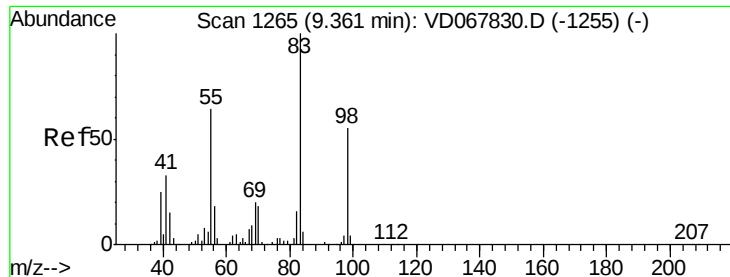
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#38
Carbon Tetrachloride
Concen: 46.558 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	79.7	119.5
121	32.6	23.8	35.6





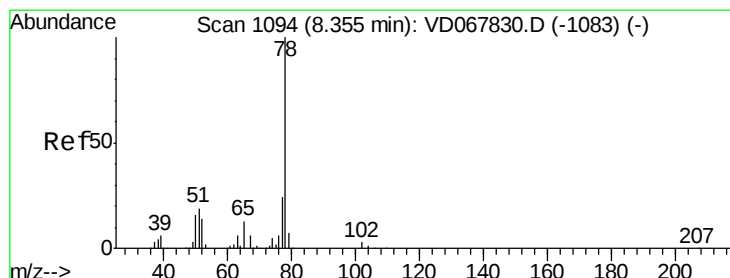
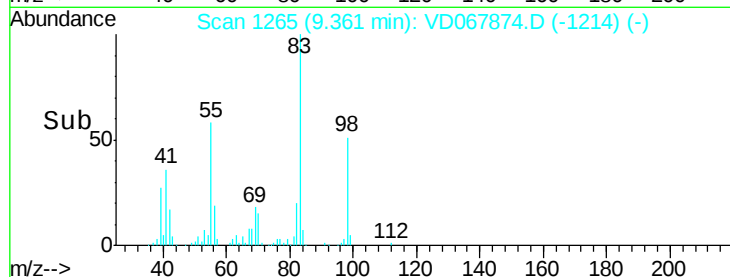
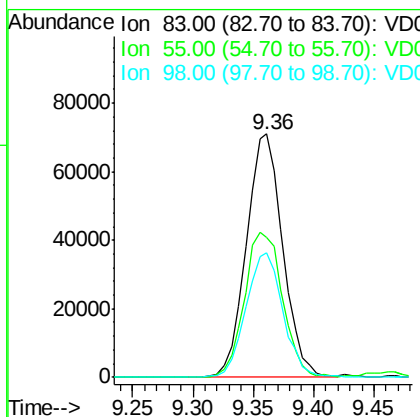
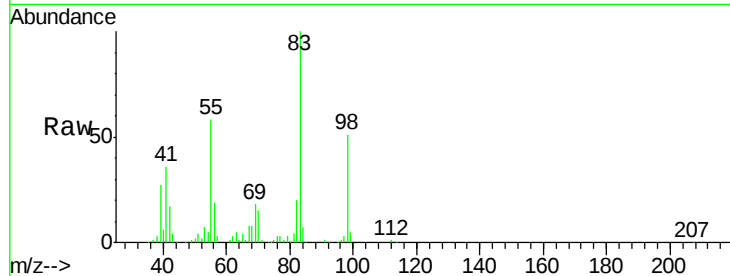
#39
Methvlcvclohexane
Concen: 46.217 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	57.6	51.6	77.4
98	51.1	44.3	66.5

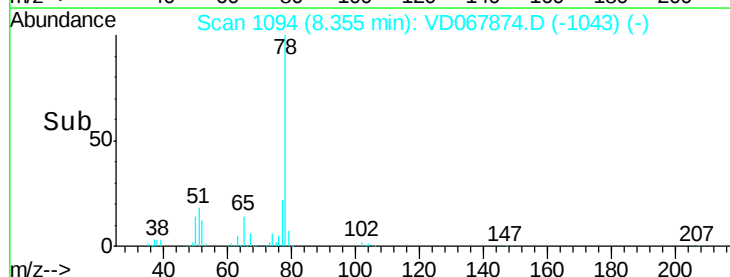
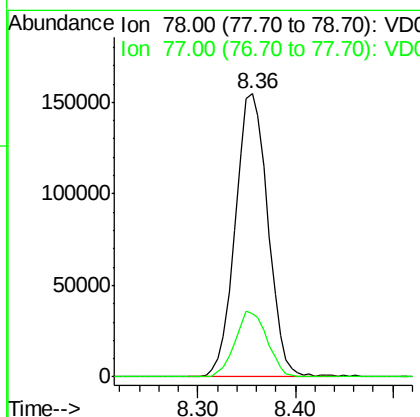
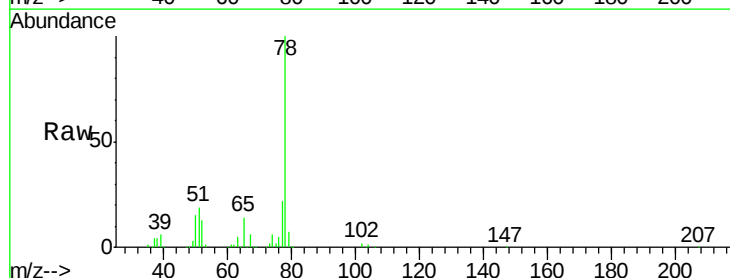
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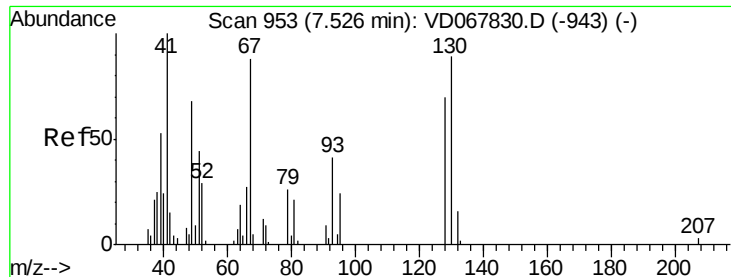
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#40
Benzene
Concen: 48.127 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.1	28.7





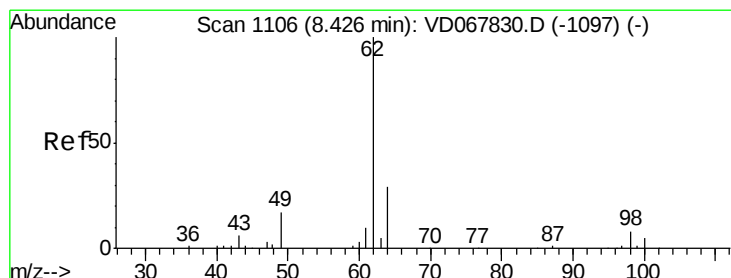
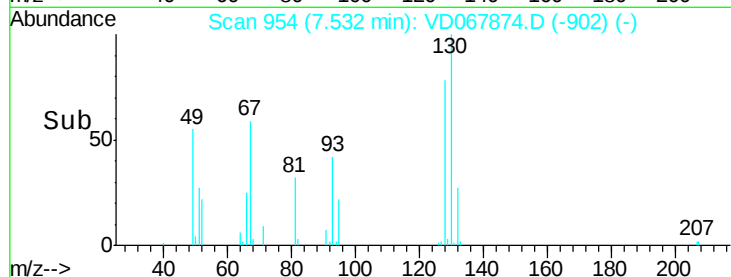
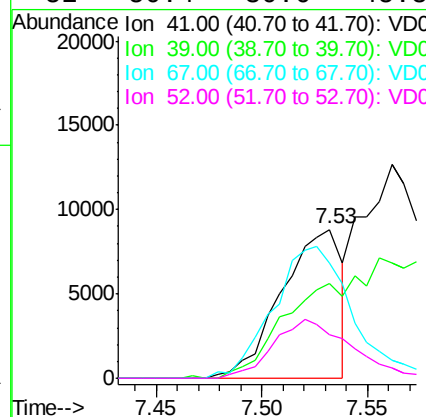
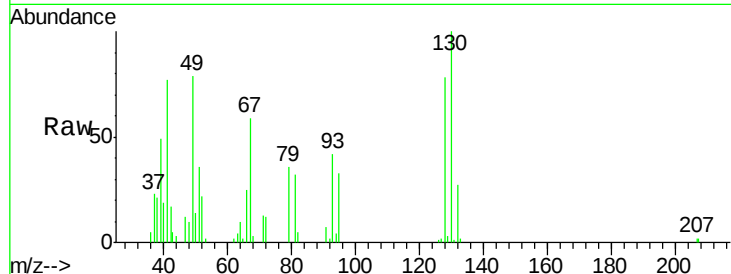
#41
Methacrylonitrile
Concen: 50.359 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.1	63.1#
67	114.5	82.4	123.6
52	50.4	30.6	45.8#

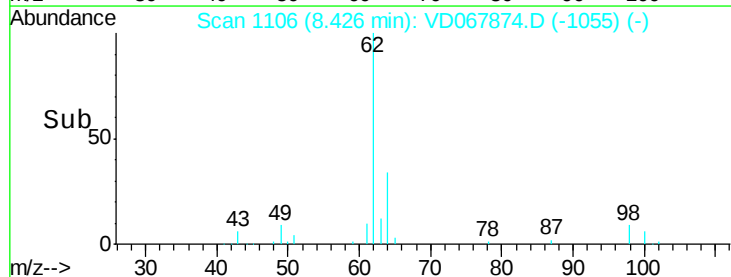
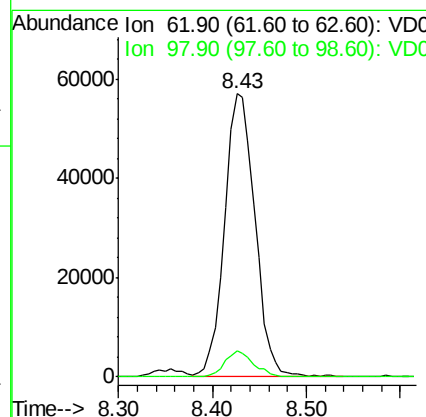
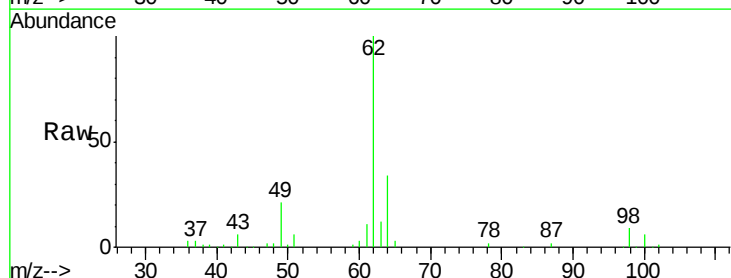
Manual Integrations
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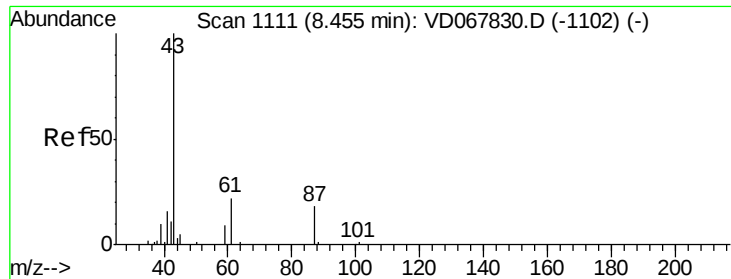
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#42
1,2-Dichloroethane
Concen: 48.440 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 46.418 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

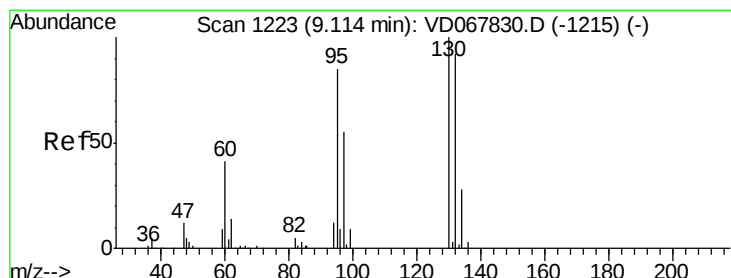
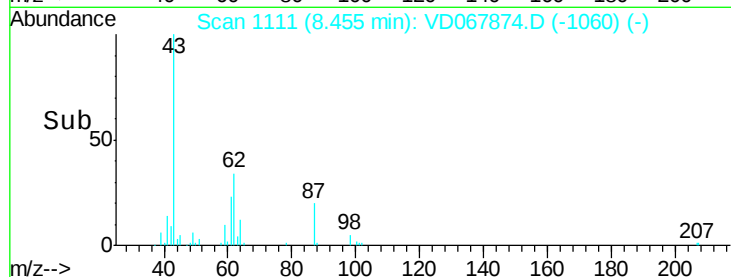
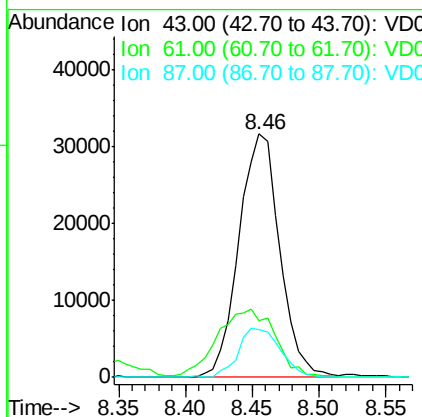
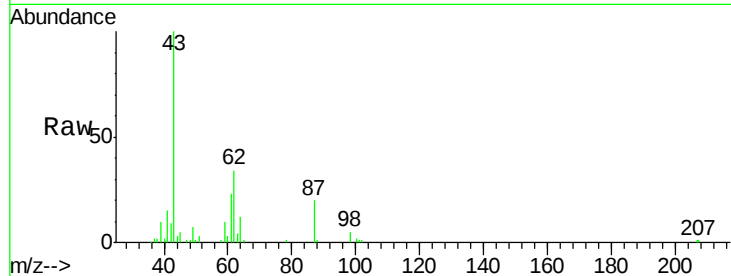
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	67073
Ion	Ratio	Lower	Upper
43	100		
61	40.1	30.4	45.6
87	20.7	16.2	24.2

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#44

Trichloroethene

Concen: 46.518 ug/l

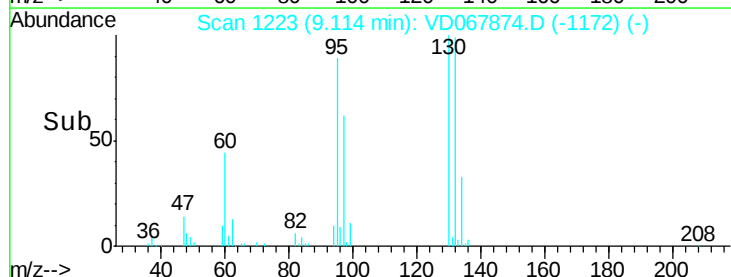
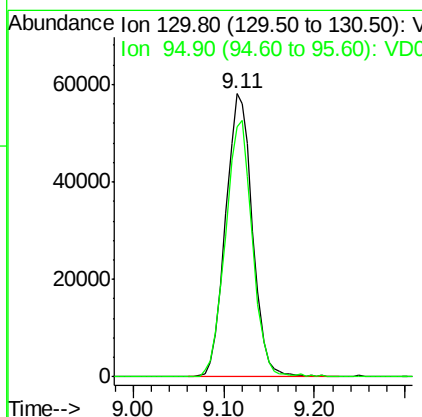
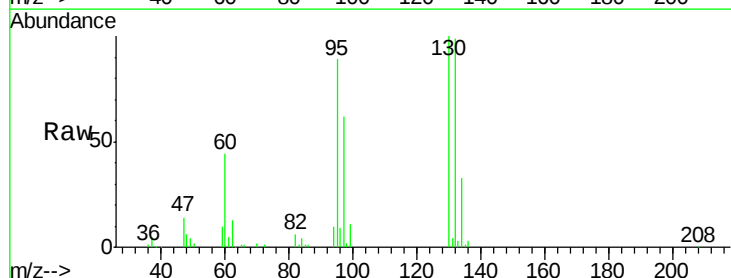
RT: 9.11 min Scan# 1223

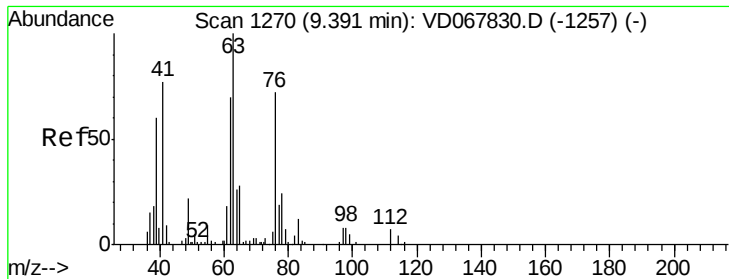
Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Tgt Ion:	130	Resp:	119245
Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	170.2





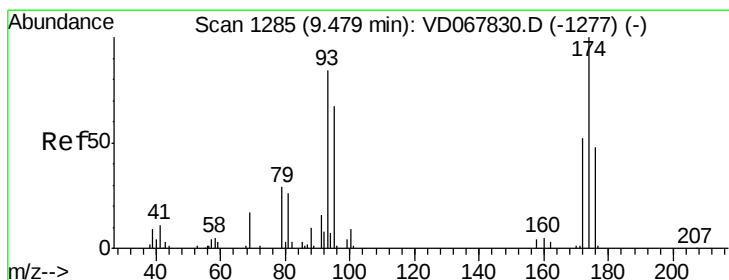
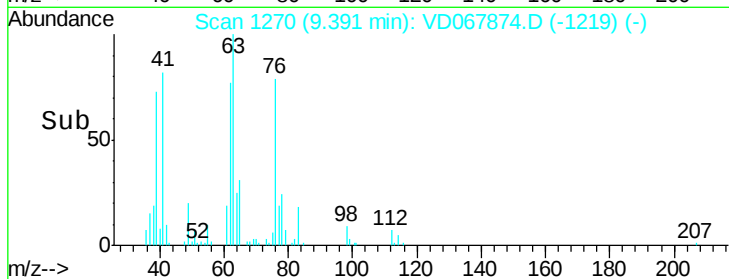
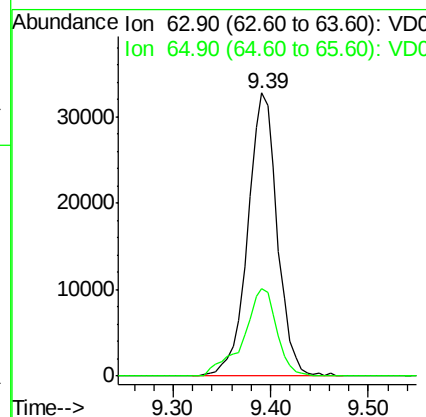
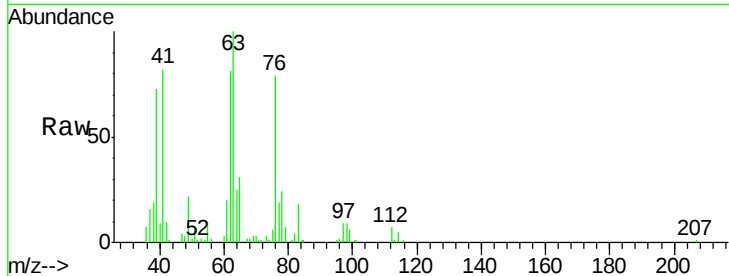
#45
 1,2-Dichloropropane
 Concen: 45.307 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.8	34.2

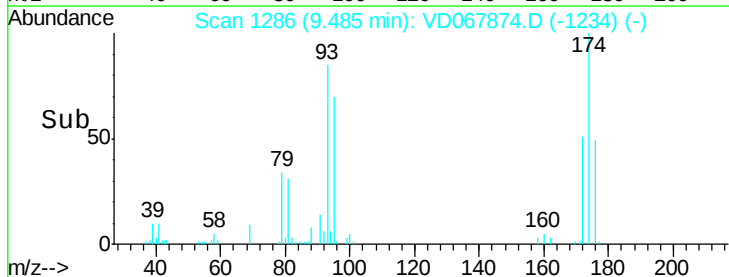
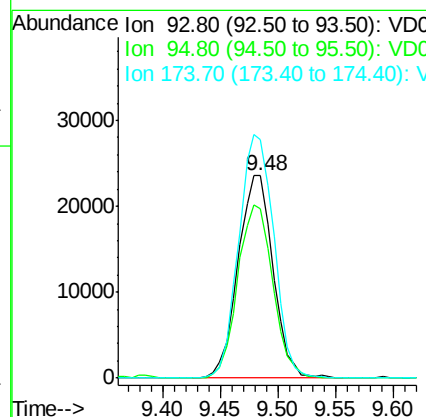
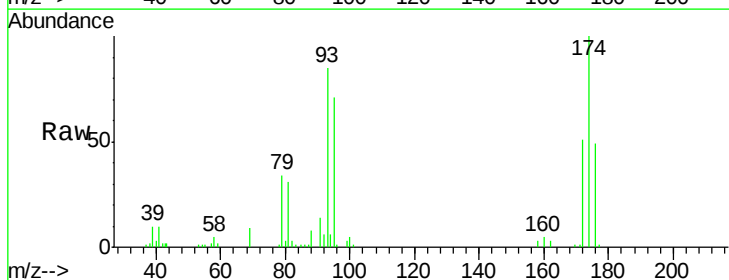
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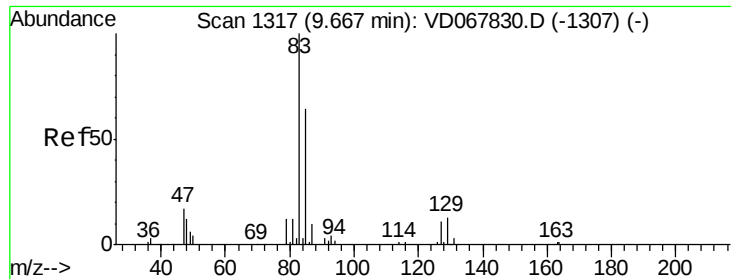
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#46
 Dibromomethane
 Concen: 46.785 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.3	64.2	96.4
174	120.1	91.5	137.3





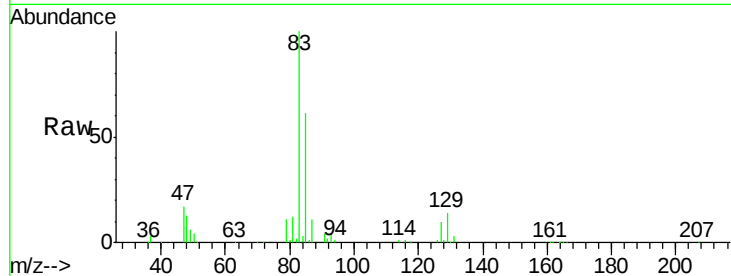
#47
Bromodichloromethane
Concen: 49.690 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

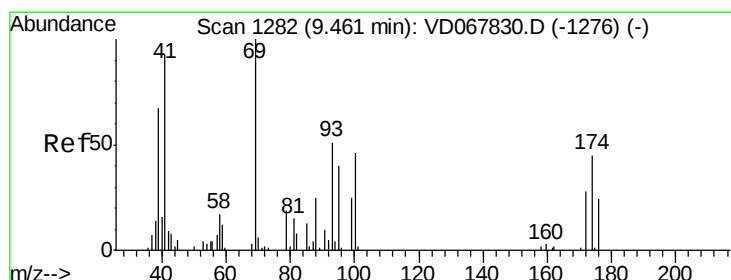
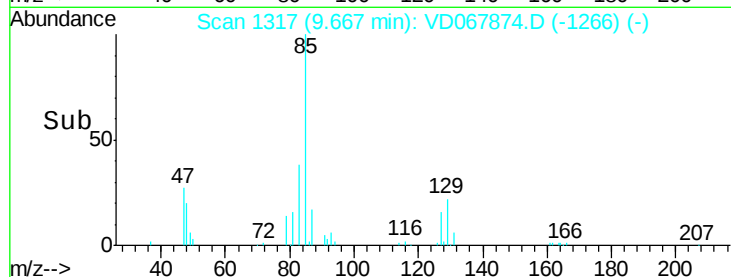
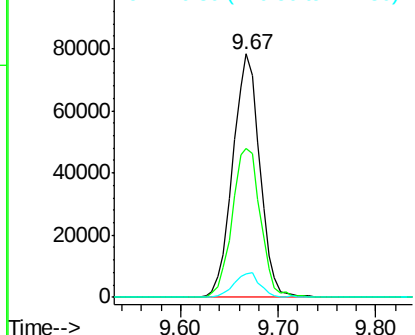
Tot Ion	Ratio	Resp	Lower	Upper
83	100	150720		
85	61.3		51.4	77.0
127	9.7		8.5	12.7

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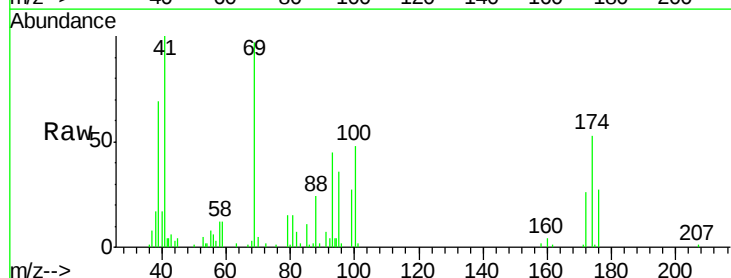


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

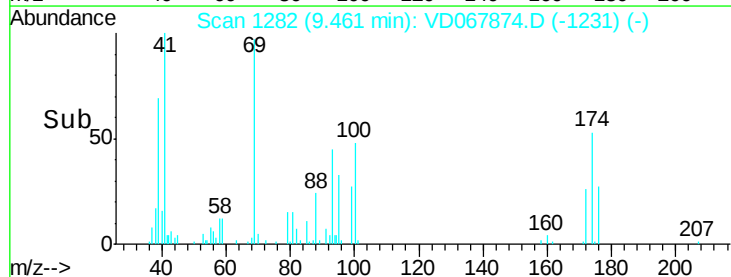
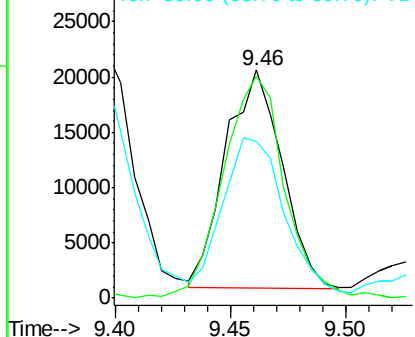


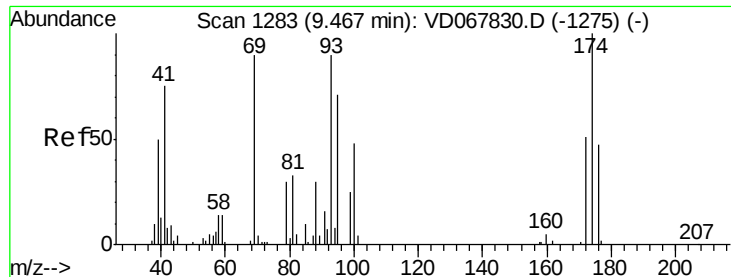
#48
Methyl methacrylate
Concen: 45.714 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	33542		
69	111.8		87.6	131.4
39	76.0		61.2	91.8



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





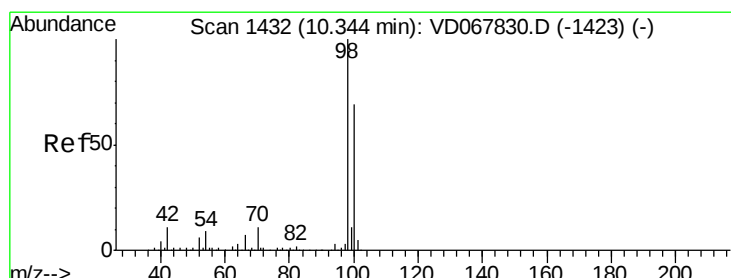
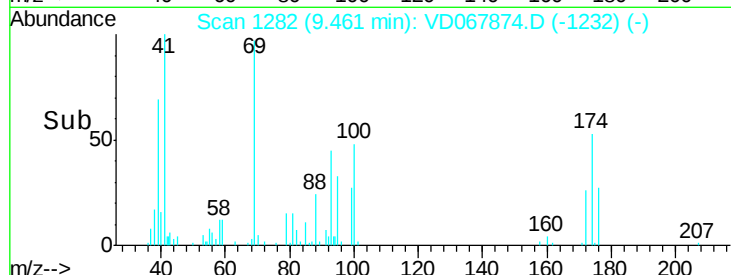
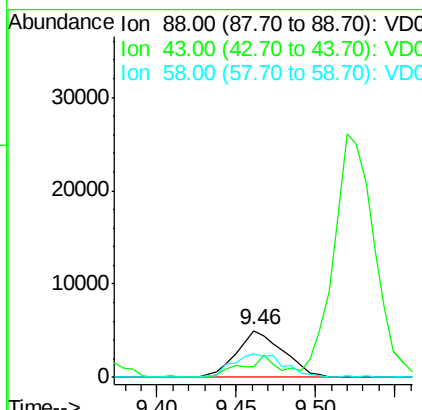
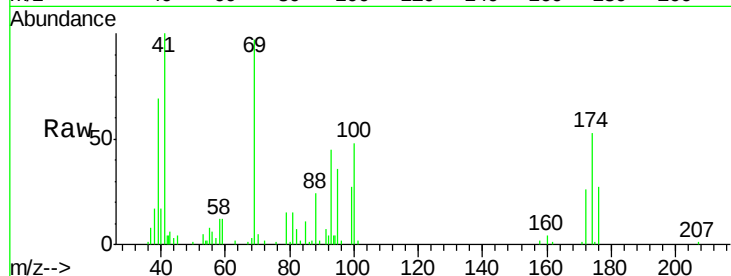
#49
1,4-Dioxane
Concen: 842.128 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	10238
Ion	Ratio	Lower	Upper
88	100		
43	31.2	30.1	45.1
58	55.7	42.4	63.6

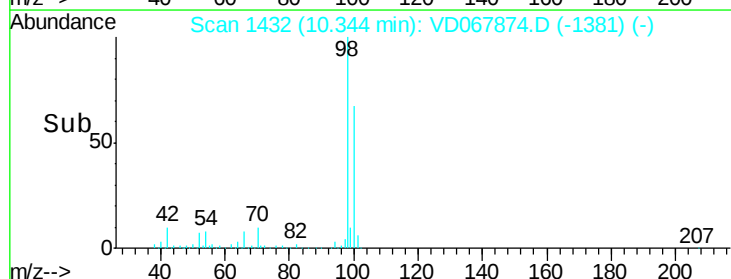
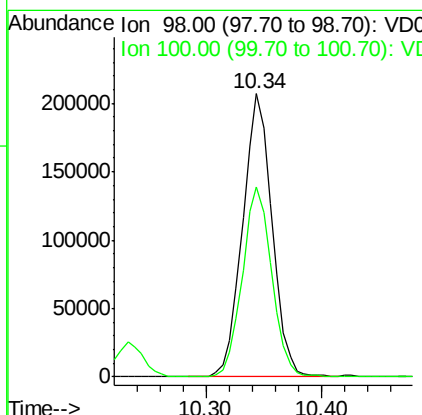
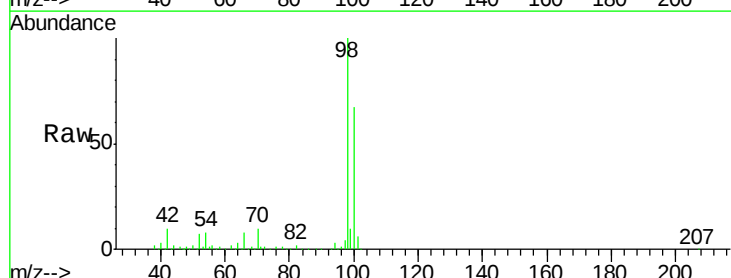
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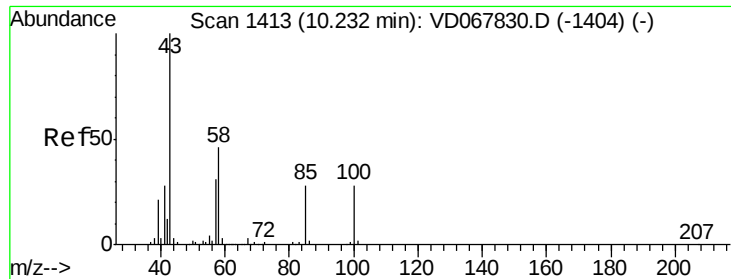
MMDadoda
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#50
Toluene-d8
Concen: 48.353 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	98	Resp	366598
Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 237.068 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 162127

Ion Ratio Lower Upper

43 100

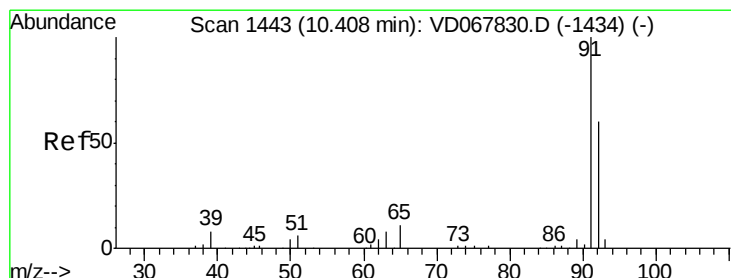
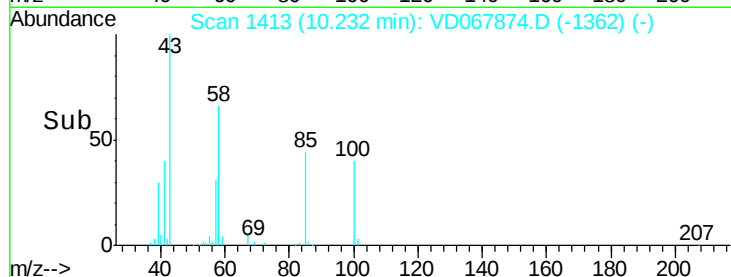
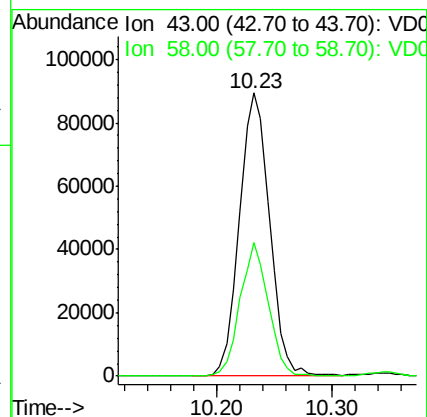
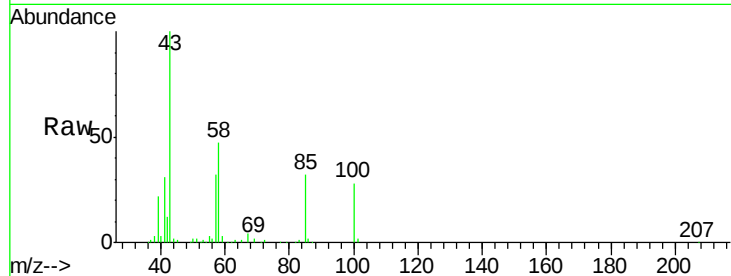
58 44.4 35.7 53.5

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#52

Toluene

Concen: 48.879 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067874.D

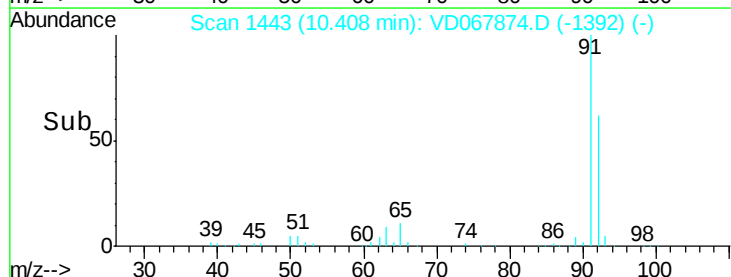
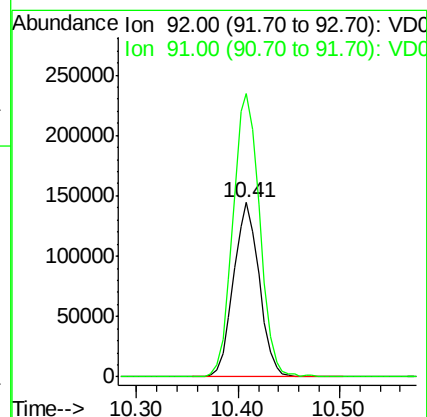
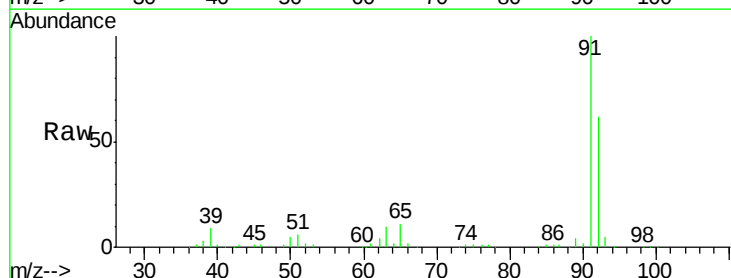
Acq: 03 Dec 2020 18:21

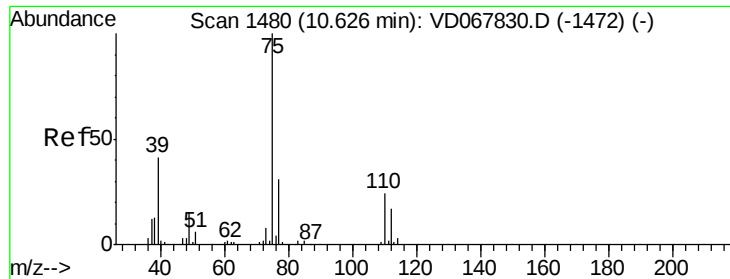
Tgt Ion: 92 Resp: 254795

Ion Ratio Lower Upper

92 100

91 168.6 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 47.580 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 124563

Ion Ratio Lower Upper

75 100

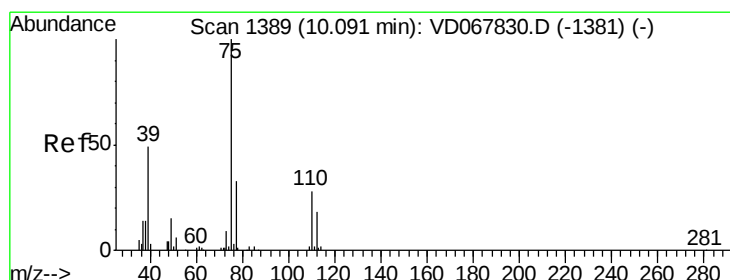
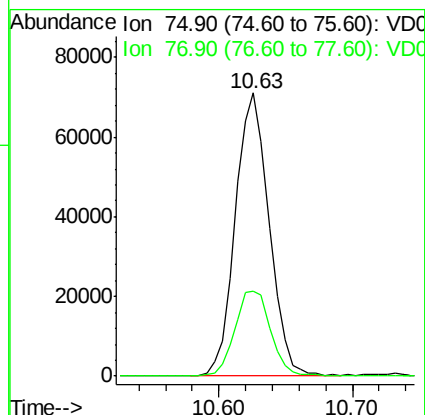
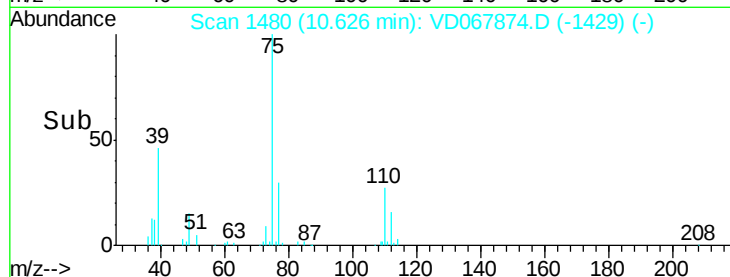
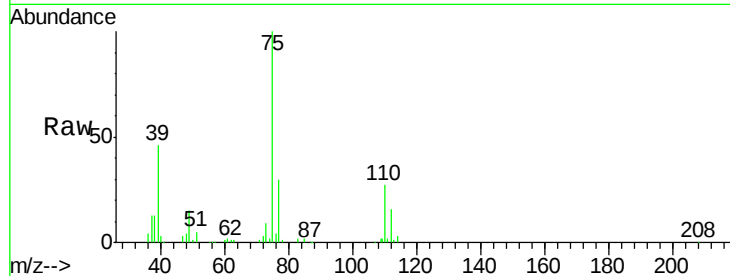
77 30.1 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 48.753 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

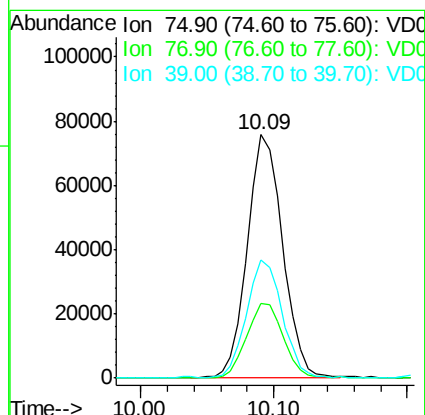
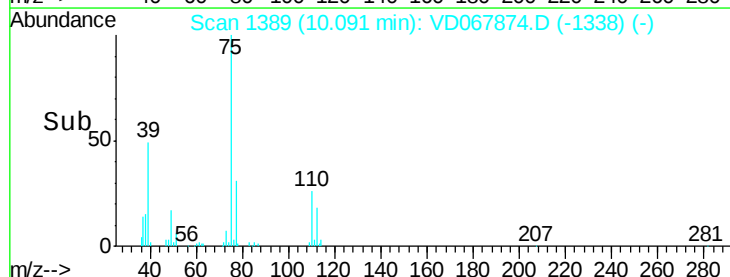
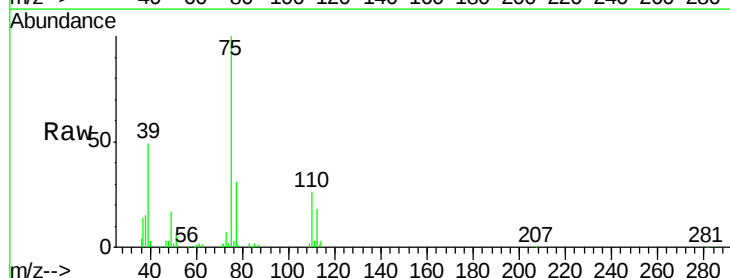
Tgt Ion: 75 Resp: 138834

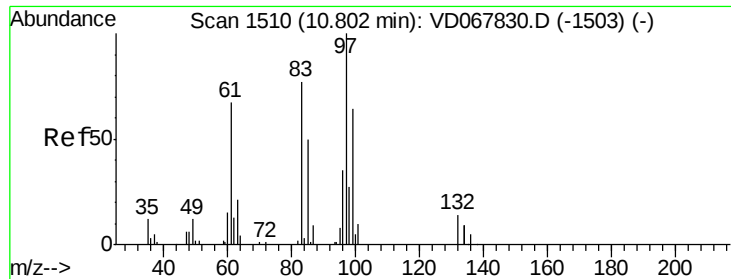
Ion Ratio Lower Upper

75 100

77 30.6 26.2 39.2

39 48.0 39.0 58.4





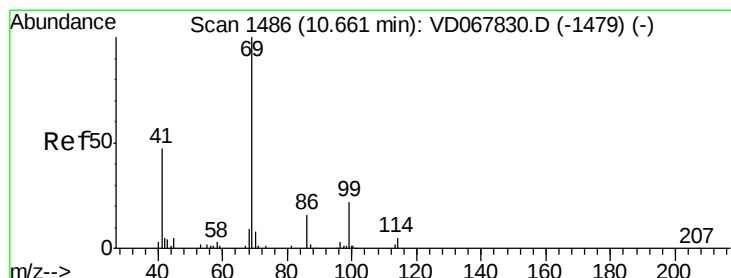
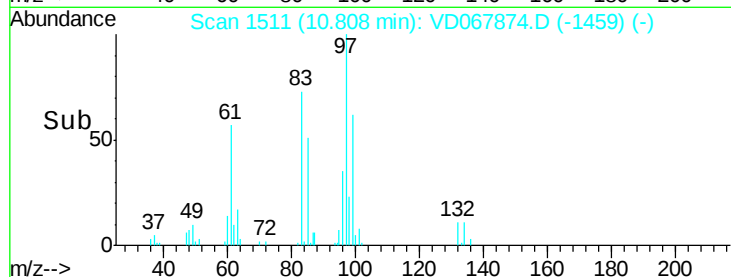
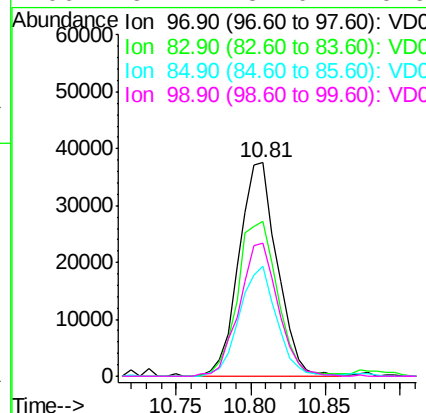
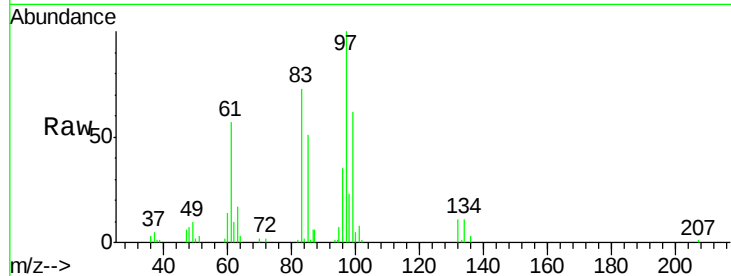
#55
 1,1,2-Trichloroethane
 Concen: 46.058 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	67063
Ion	Ratio	Lower	Upper
97	100		
83	72.5	61.9	92.9
85	51.3	40.2	60.4
99	62.1	51.0	76.6

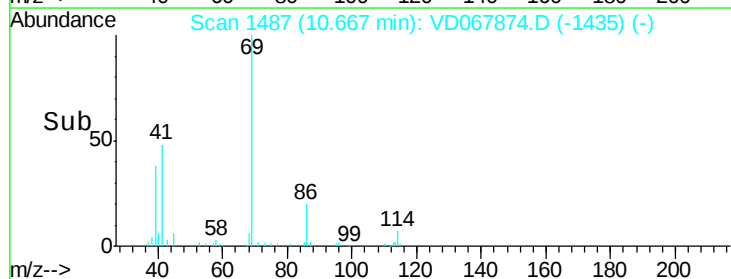
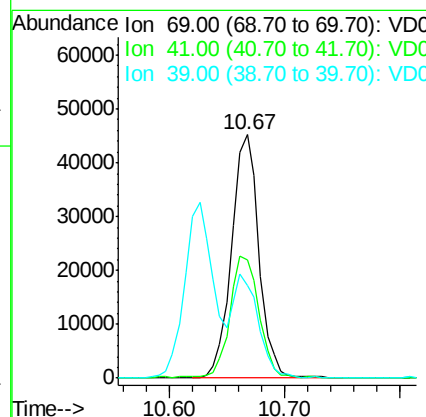
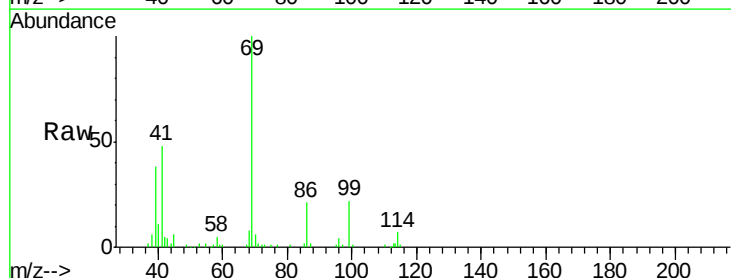
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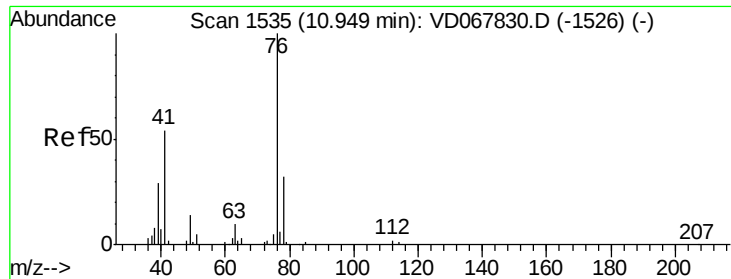
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#56
 Ethyl methacrylate
 Concen: 50.234 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	69	Resp	74419
Ion	Ratio	Lower	Upper
69	100		
41	53.4	42.8	64.2
39	39.3	30.5	45.7





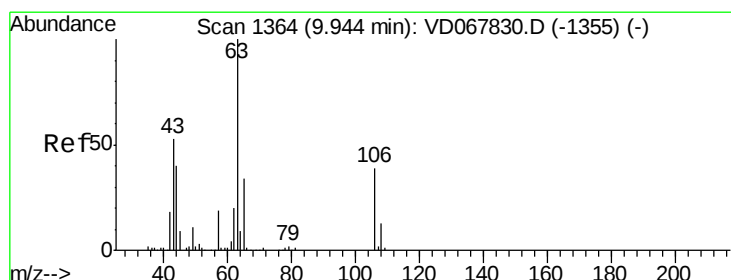
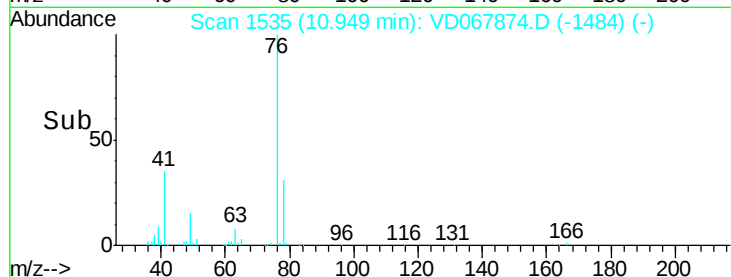
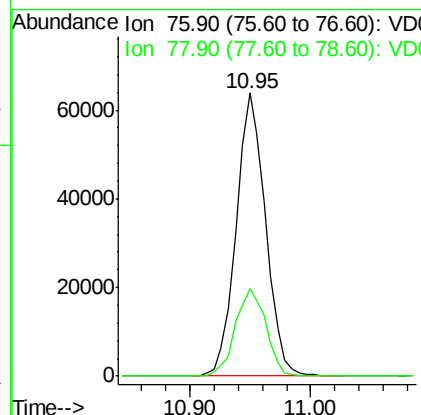
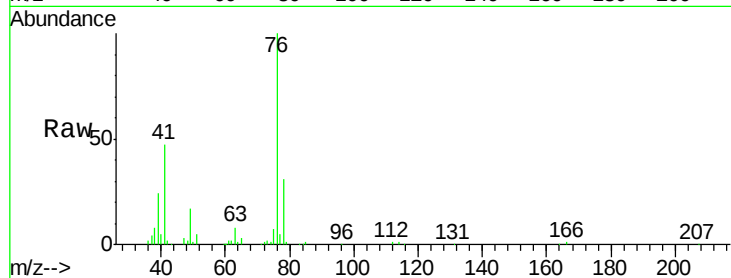
#57
 1,3-Dichloropropane
 Concen: 46.882 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.6	39.8

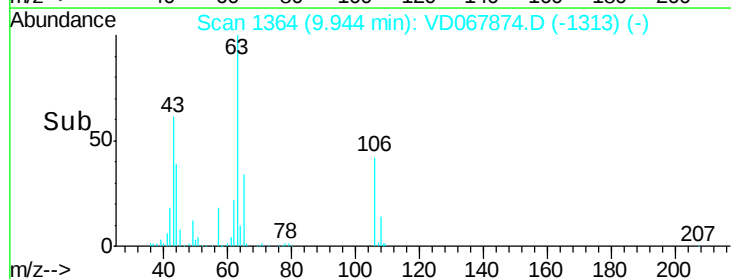
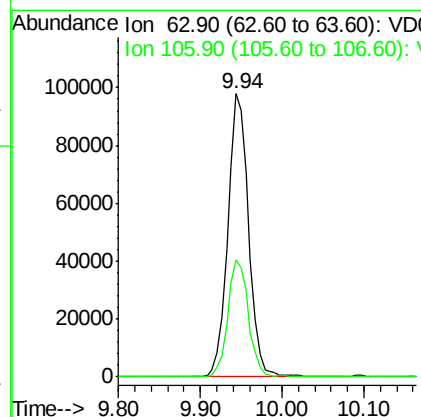
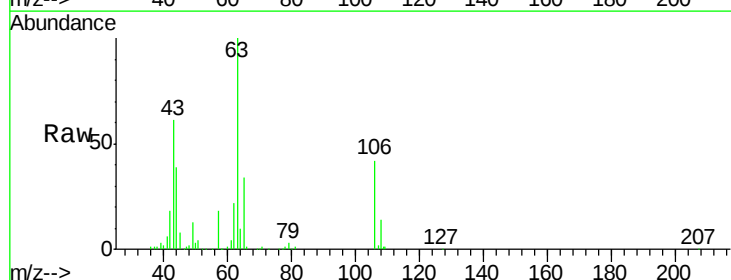
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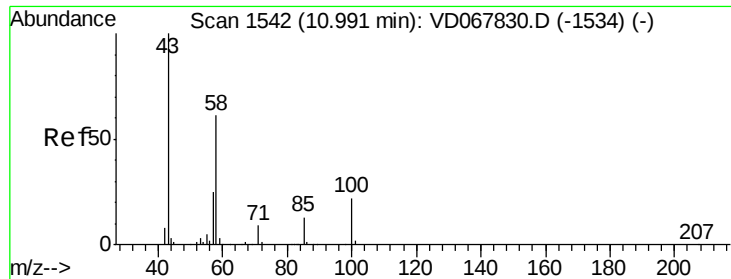
MMDadoda
 12/4/2020 11:26:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.178 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	41.3	32.0	48.0





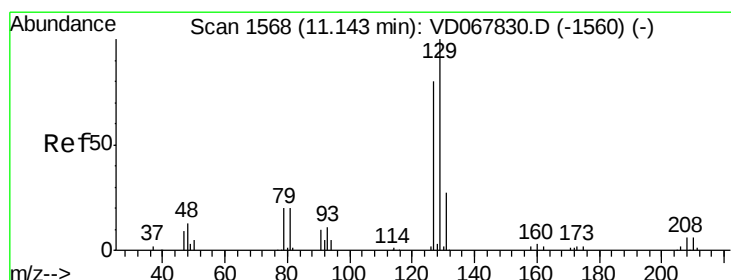
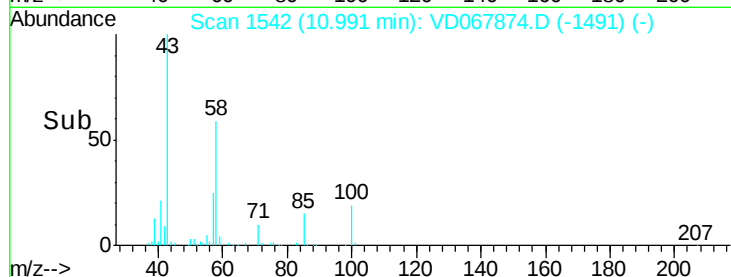
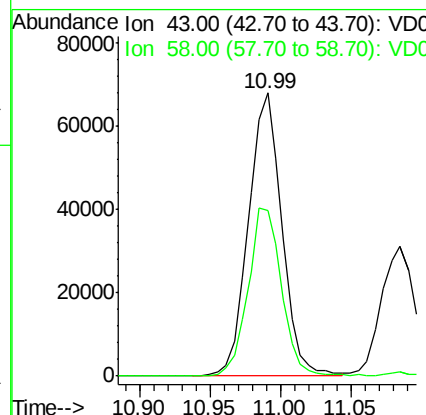
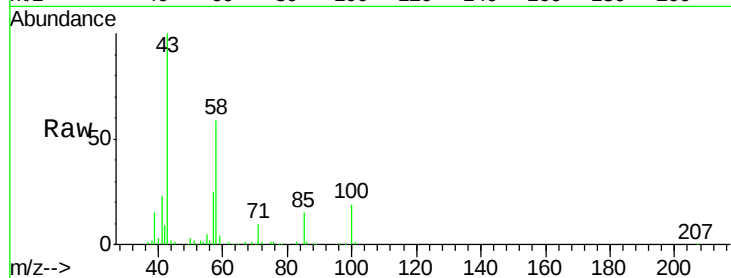
#59
2-Hexanone
Concen: 233.874 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 112751
Ion Ratio Lower Upper
43 100
58 59.7 29.9 89.7

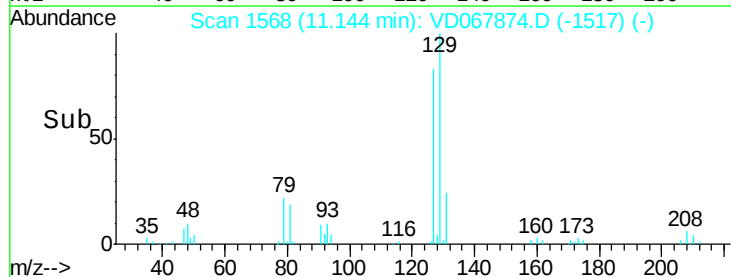
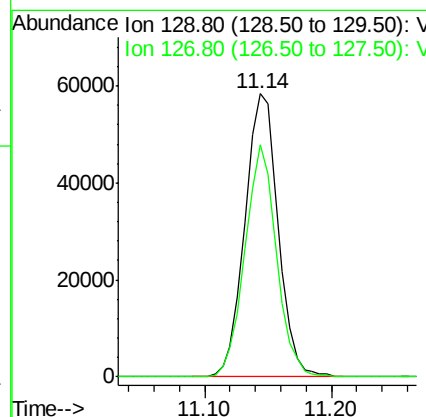
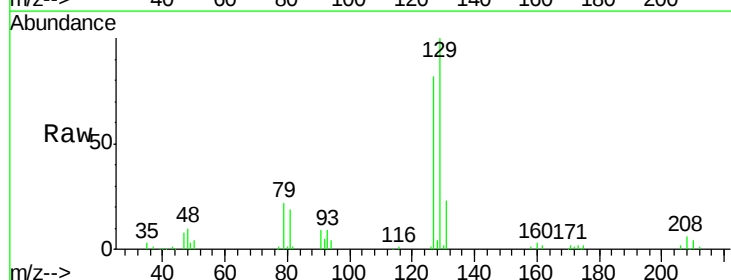
Manual Integrations
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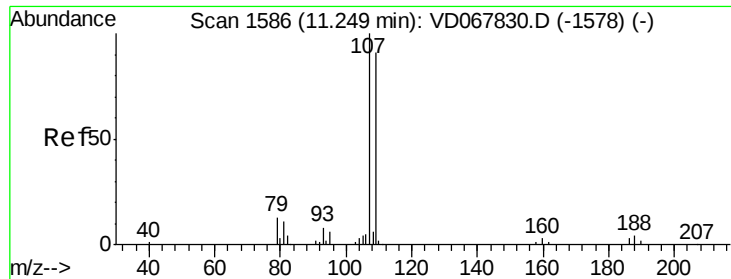
MMDadoda
12/4/2020 11:26:35 AM



#60
Dibromochloromethane
Concen: 48.543 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion: 129 Resp: 106544
Ion Ratio Lower Upper
129 100
127 77.7 39.2 117.6





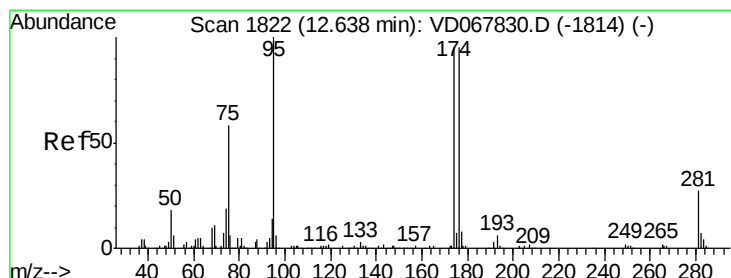
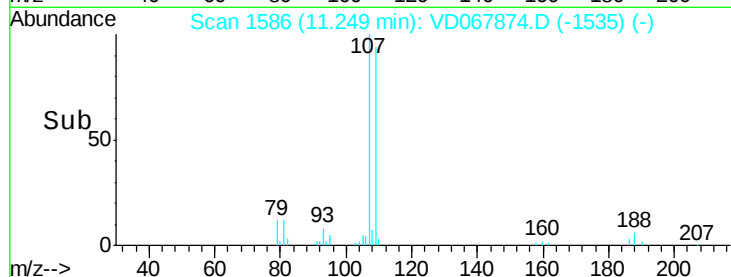
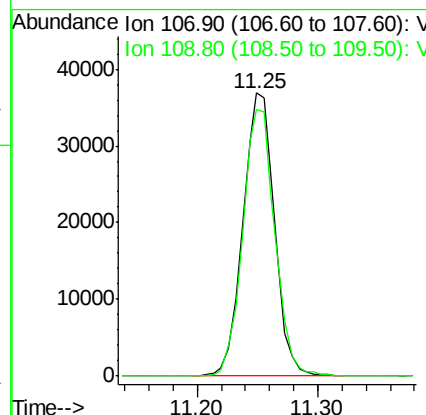
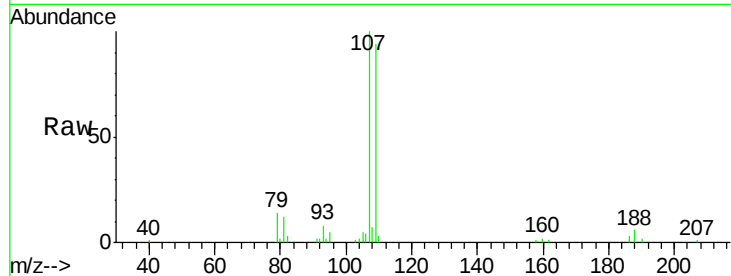
#61
 1,2-Dibromoethane
 Concen: 46.861 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.9	113.9

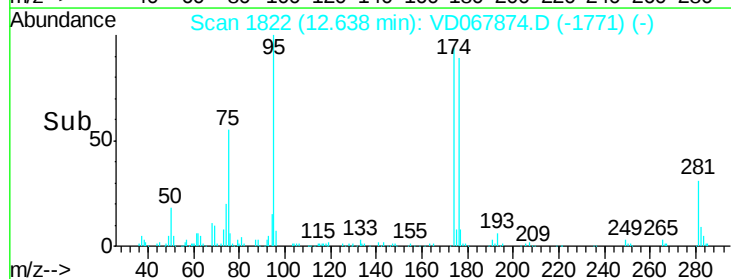
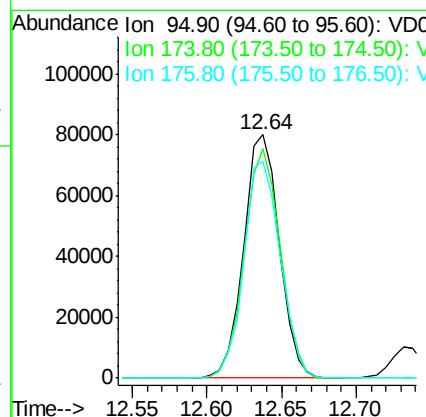
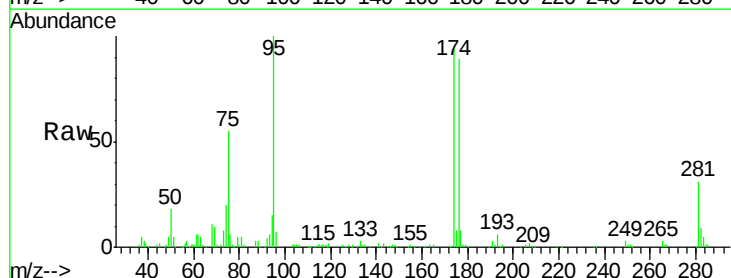
Manual Integrations
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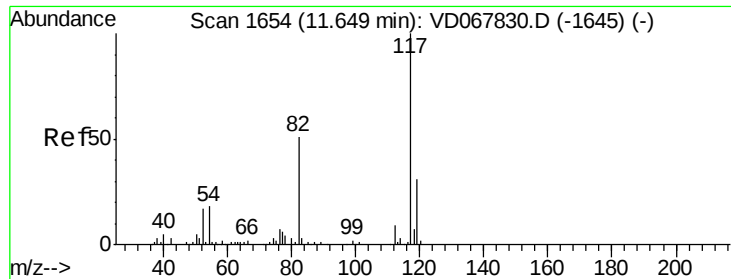
MMDadoda
 12/4/2020 11:26:35 AM



#62
 4-Bromofluorobenzene
 Concen: 50.266 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	186.0
176	91.5	0.0	184.2





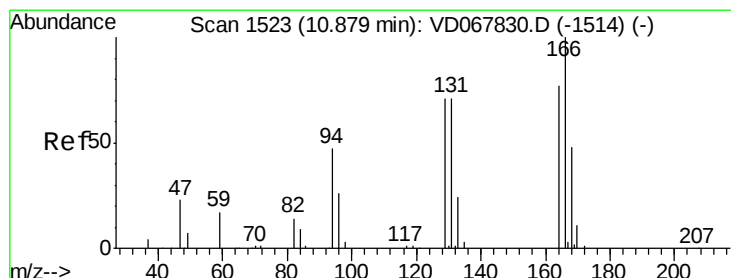
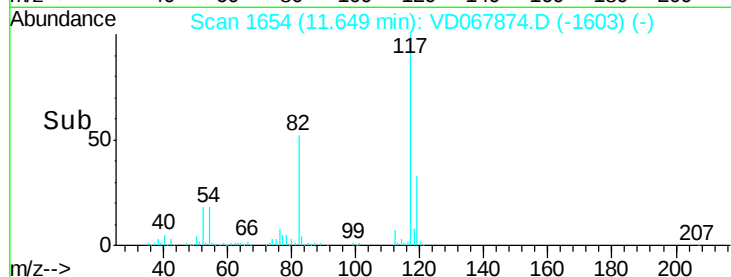
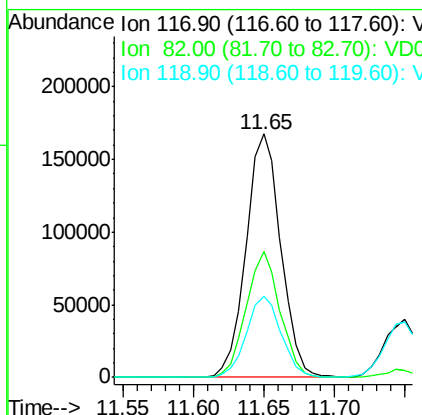
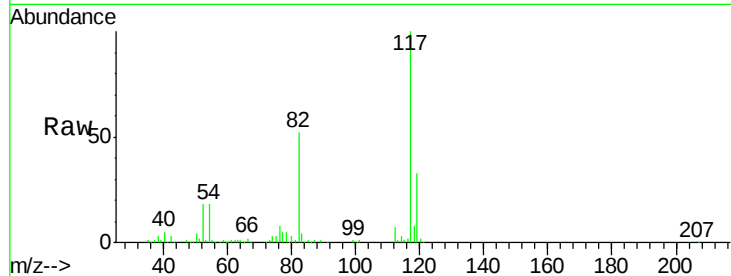
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	289598		
82	51.6		40.6	60.8
119	33.4		25.1	37.7

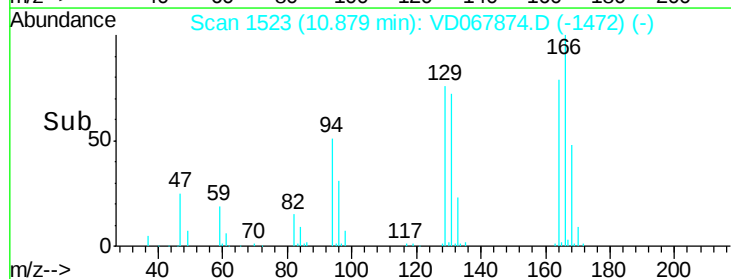
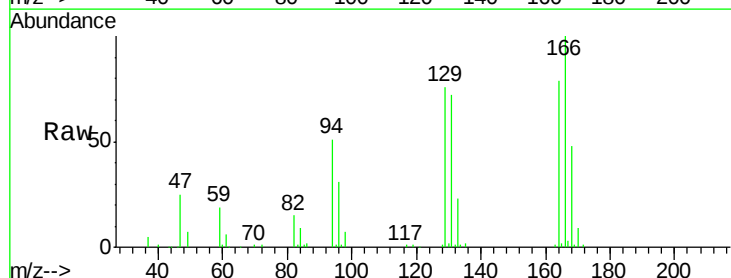
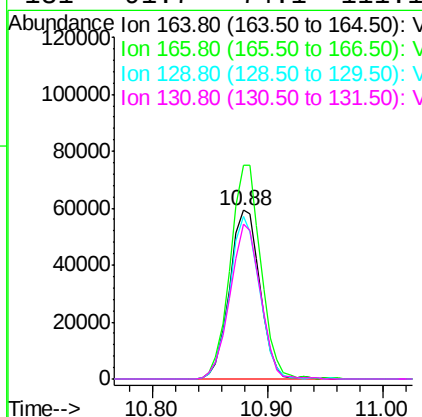
Manual Integrations
APPROVED

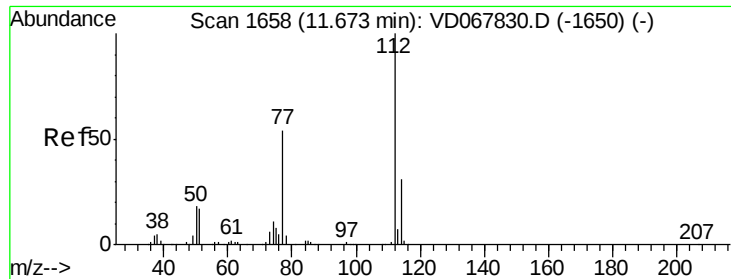
MMDadoda
12/4/2020 11:26:35 AM



#64
Tetrachloroethene
Concen: 45.776 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	108133		
166	126.9		103.8	155.6
129	96.3		73.3	109.9
131	91.7		74.1	111.1





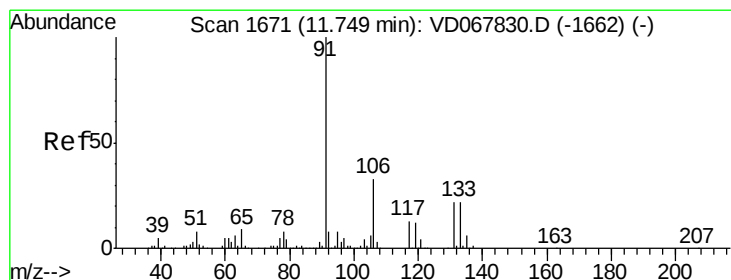
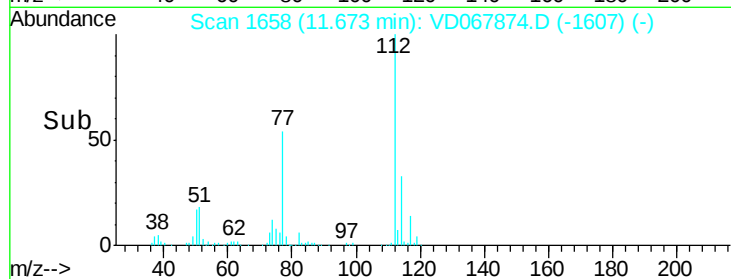
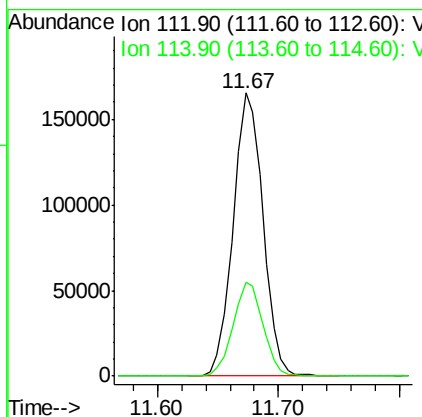
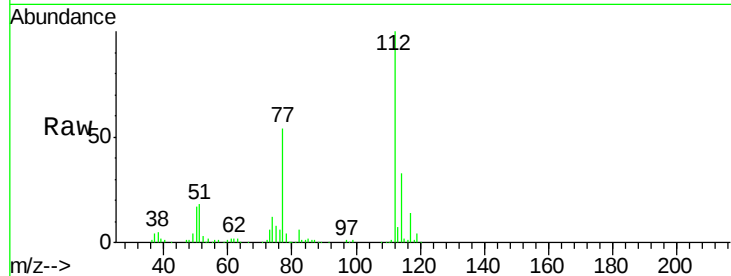
#65
Chlorobenzene
Concen: 47.735 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.0	37.4

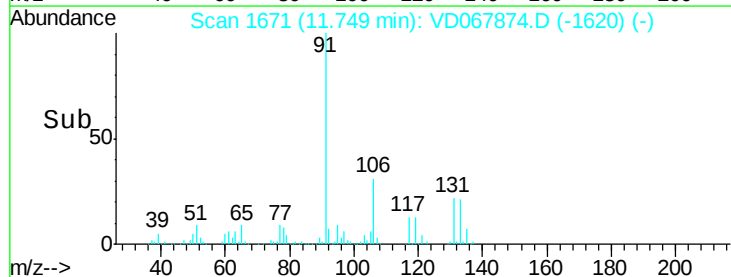
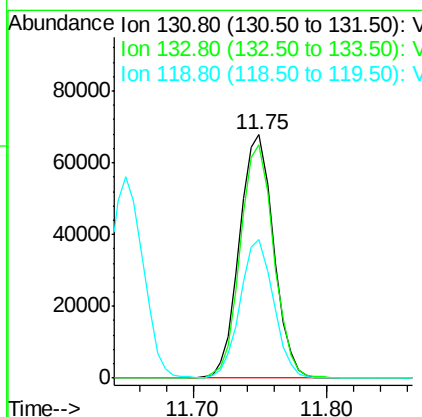
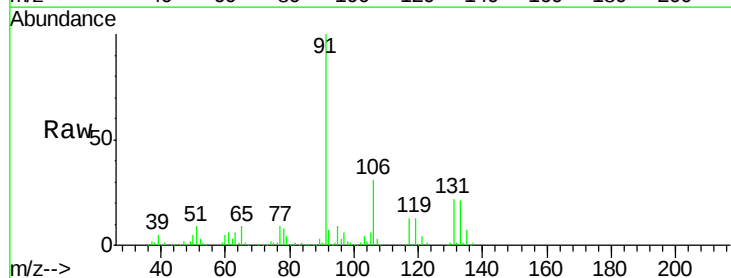
Manual Integrations
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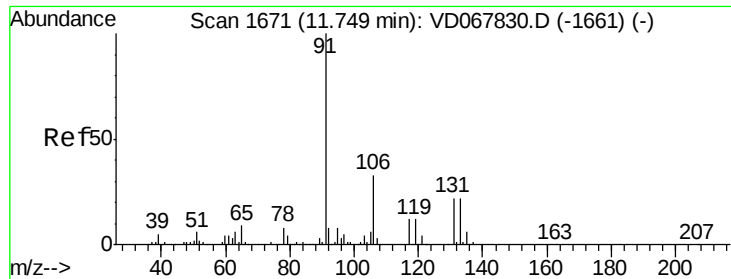
MMDadoda
12/4/2020 11:26:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.274 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	49.9	149.7
119	55.7	29.6	88.9





#67

Ethyl Benzene

Concen: 48.477 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 493460

Ion Ratio Lower Upper

91 100

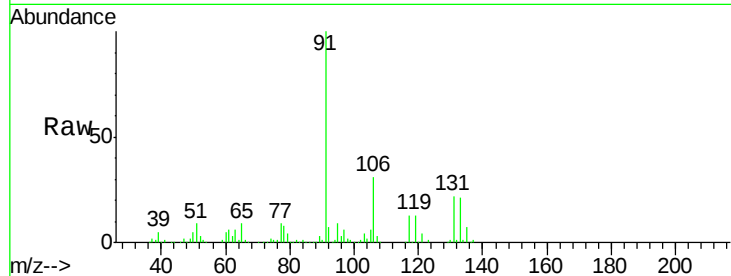
106 31.3 26.2 39.2

Manual Integrations

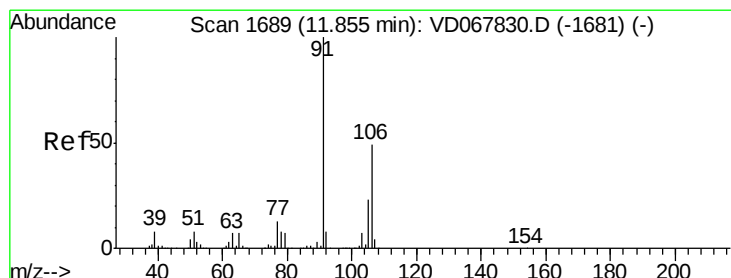
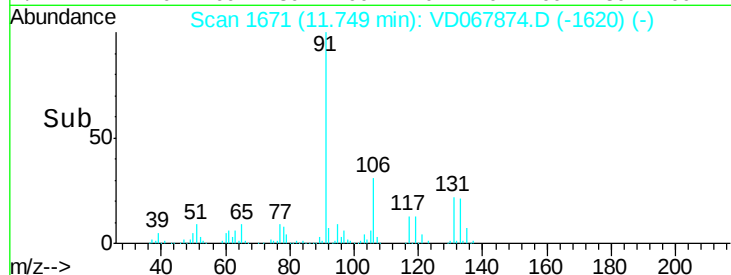
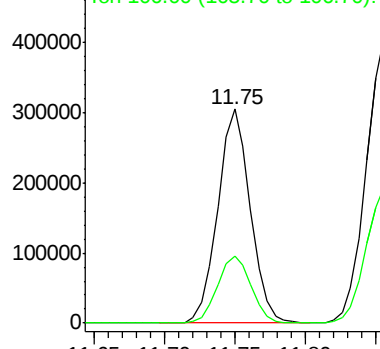
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MMDadoda

12/4/2020 11:26:35 AM



Abundance Ion 91.00 (90.70 to 91.70): VD067830.D (-1661) (-)



#68

m/p-Xylenes

Concen: 95.063 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067874.D

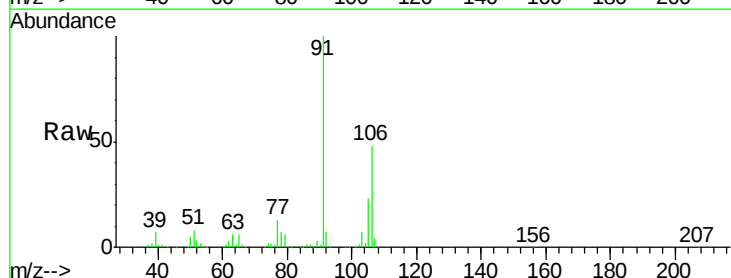
Acq: 03 Dec 2020 18:21

Tgt Ion: 106 Resp: 381562

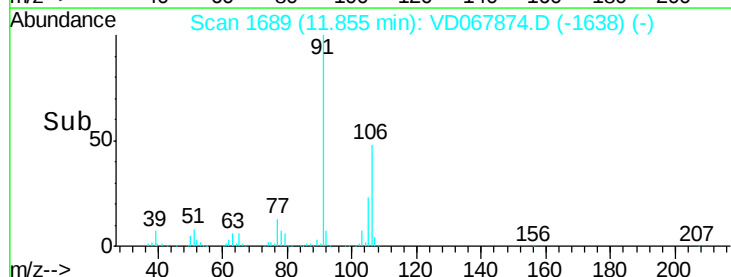
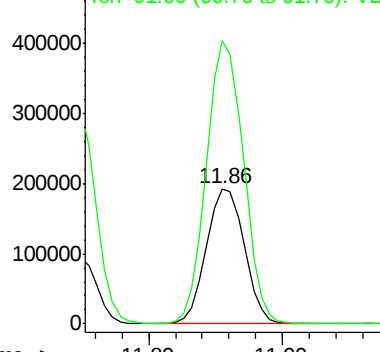
Ion Ratio Lower Upper

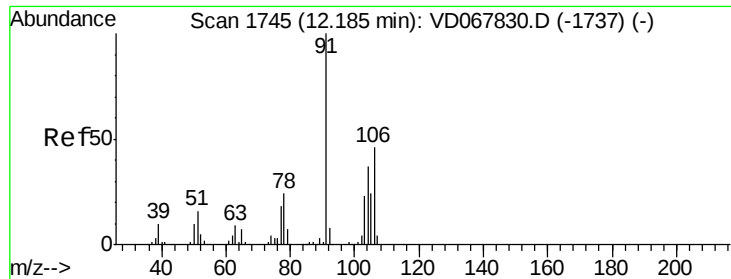
106 100

91 204.7 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VD067830.D (-1681) (-)





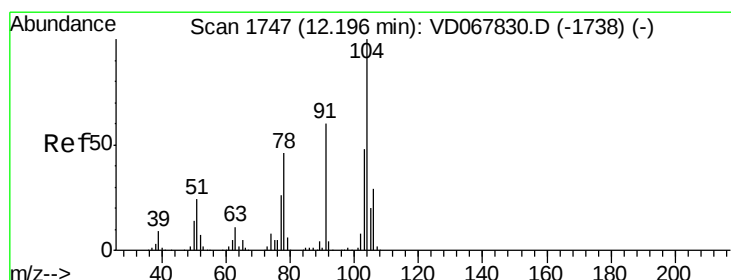
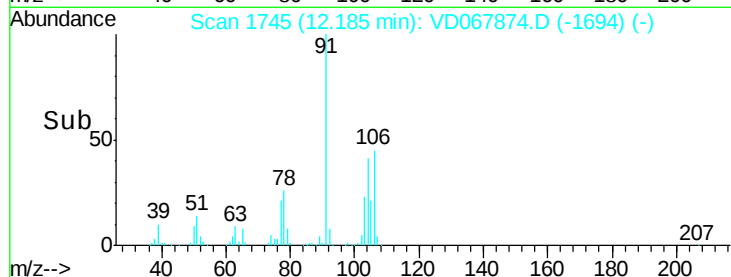
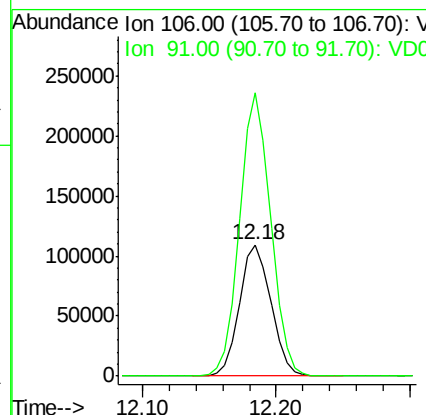
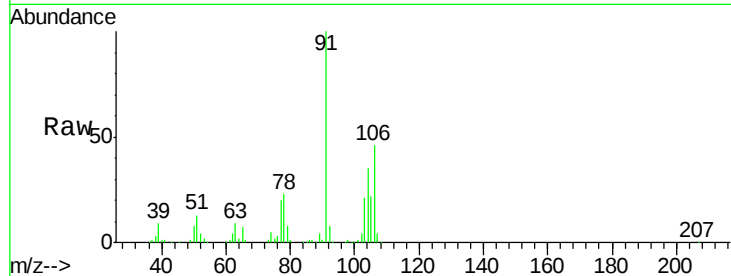
#69
o-Xylene
Concen: 50.366 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		179471		
91	211.8	107.5	322.5		

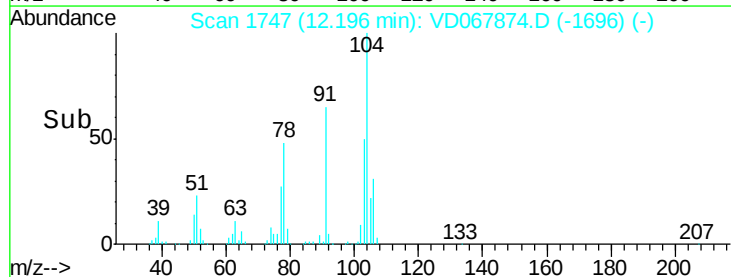
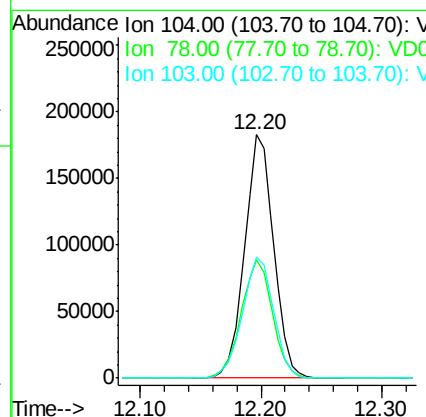
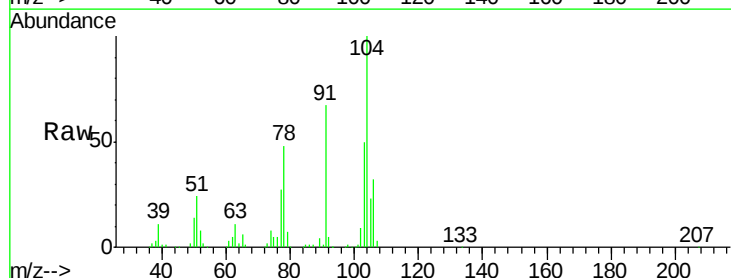
Manual Integrations
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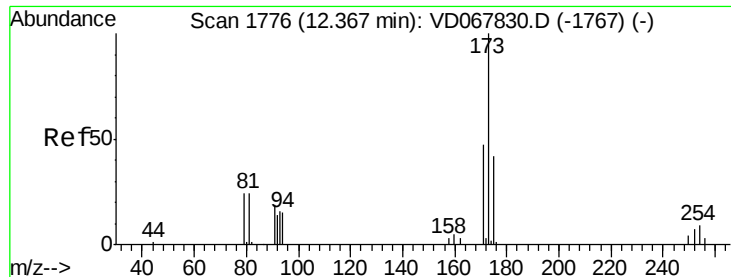
MMDadoda
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#70
Styrene
Concen: 49.505 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		306739		
78	52.4	41.6	62.4		
103	53.4	43.2	64.8		





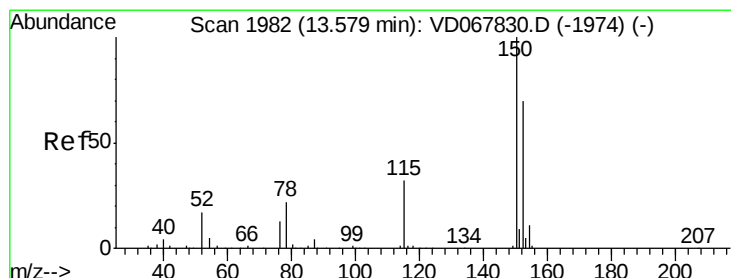
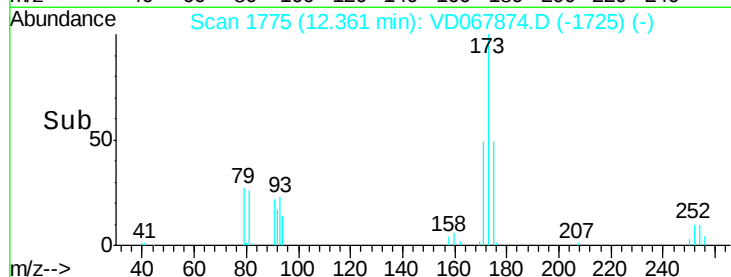
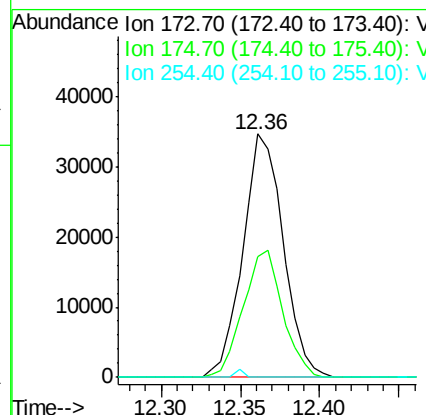
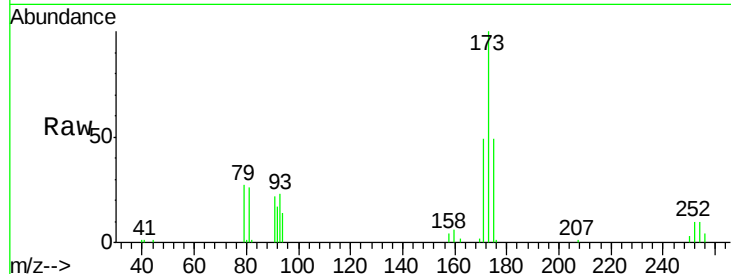
#71
Bromoform
Concen: 47.595 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	23.4	70.3
254	0.7	0.1	0.1#

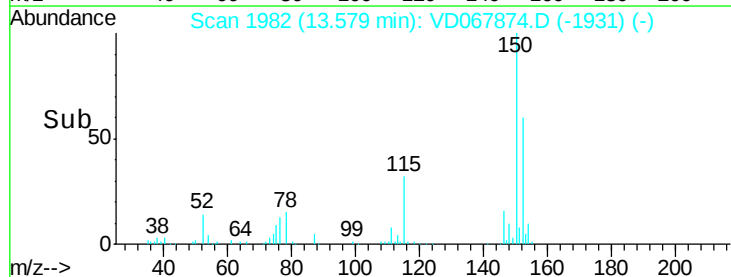
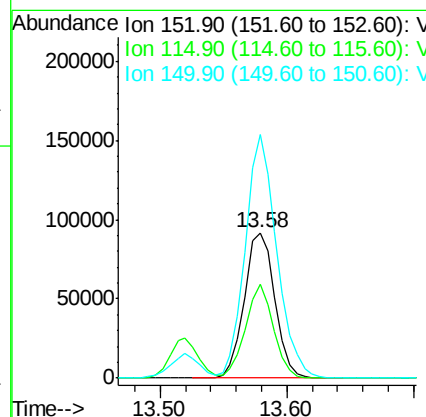
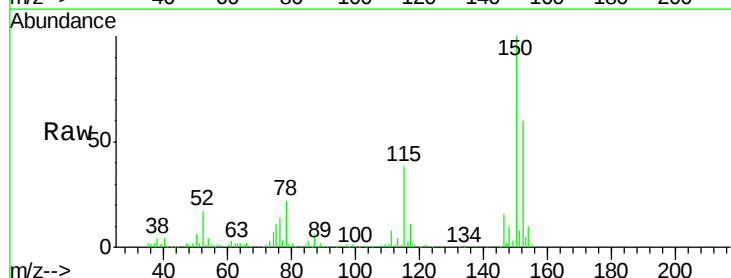
Manual Integrations
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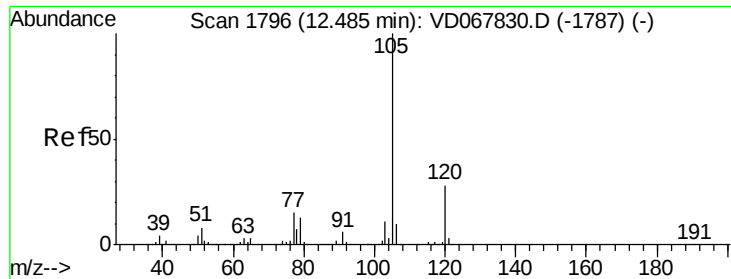
MMDadoda
12/4/2020 11:26:35 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.1	87.4
150	173.1	0.0	339.0





#73

Isopropylbenzene

Concen: 48.013 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 504683

Ion Ratio Lower Upper

105 100

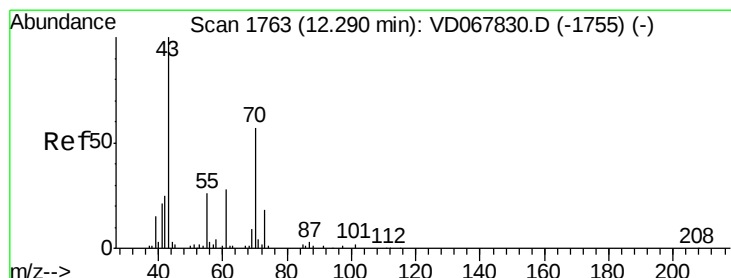
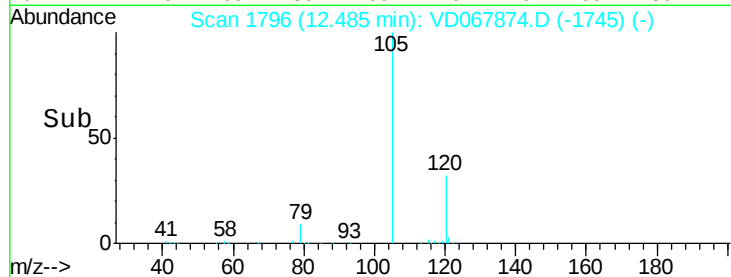
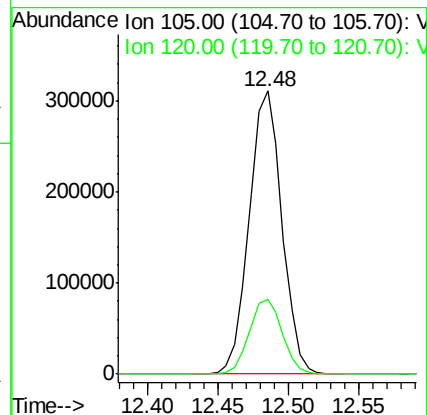
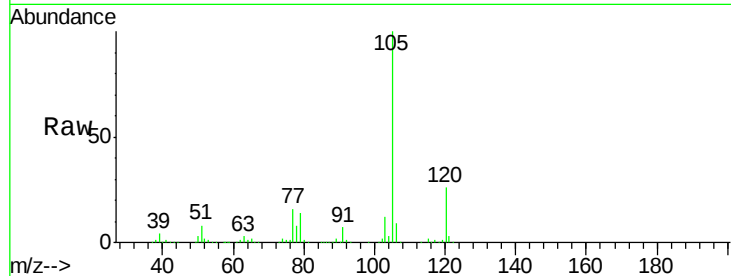
120 26.6 13.9 41.6

Manual Integrations

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12/4/2020 11:26:35 AM



#74

N-ethyl acetate

Concen: 44.891 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Tgt Ion: 43 Resp: 58368

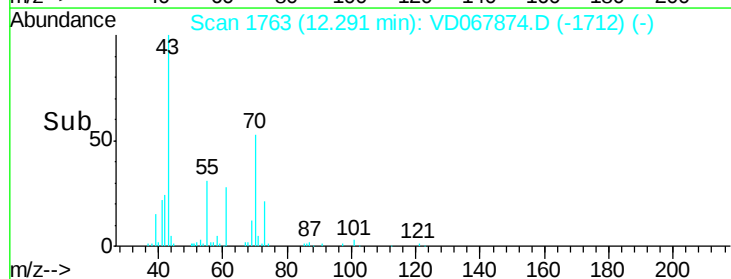
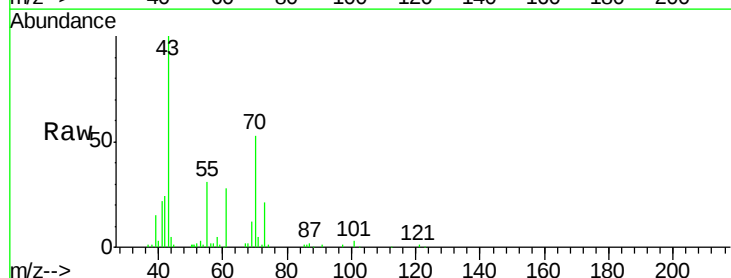
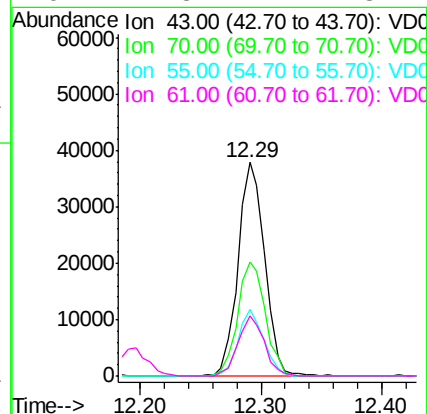
Ion Ratio Lower Upper

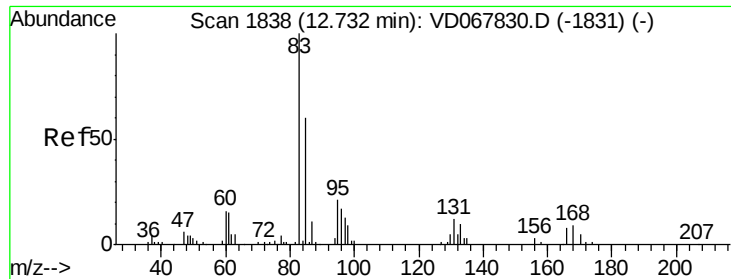
43 100

70 55.1 44.6 66.8

55 29.9 22.2 33.2

61 27.3 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 42.970 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

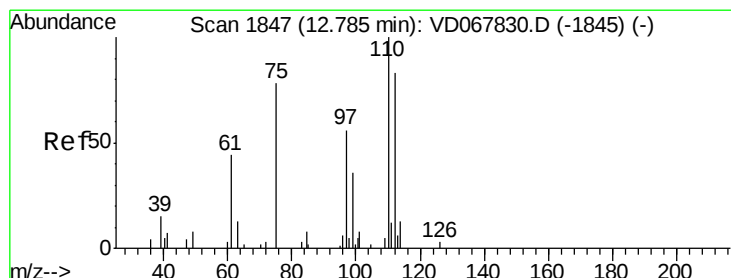
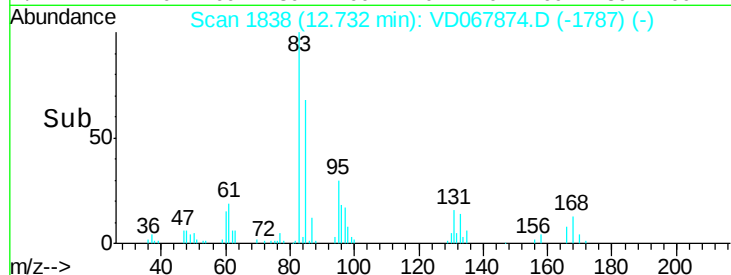
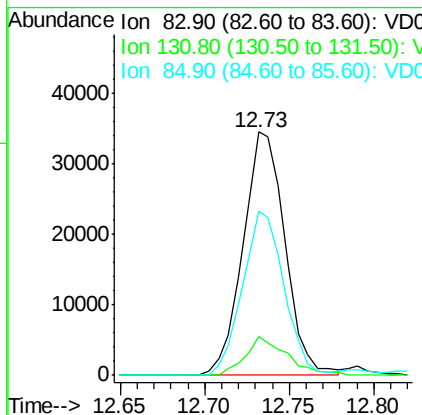
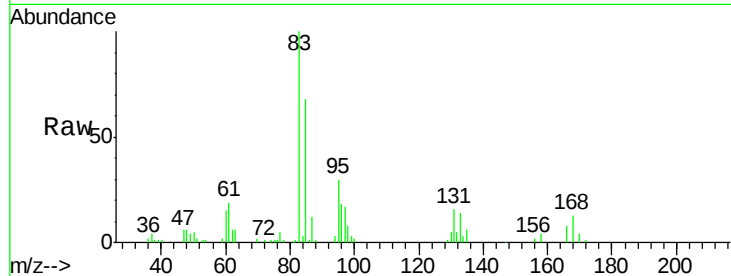
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	59631
Ion Ratio	Lower	Upper	
83	100		
131	15.6	8.0	24.0
85	66.5	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.183 ug/l m

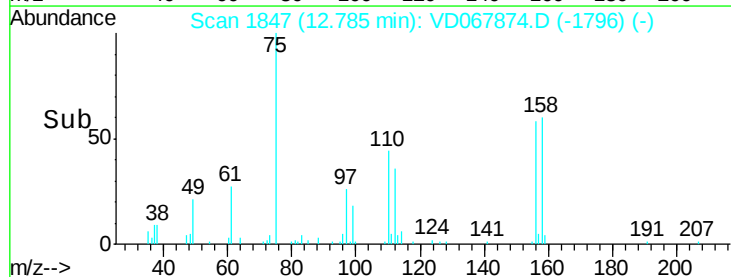
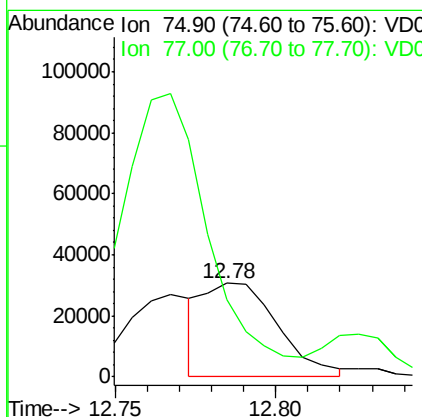
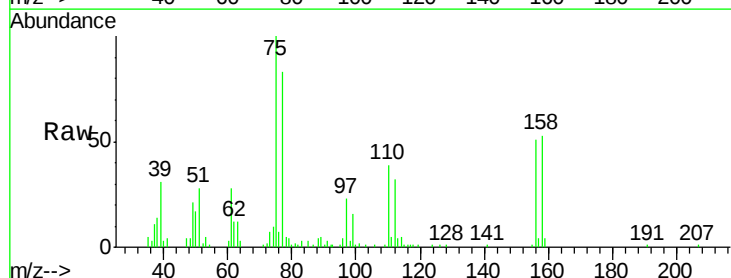
RT: 12.78 min Scan# 1847

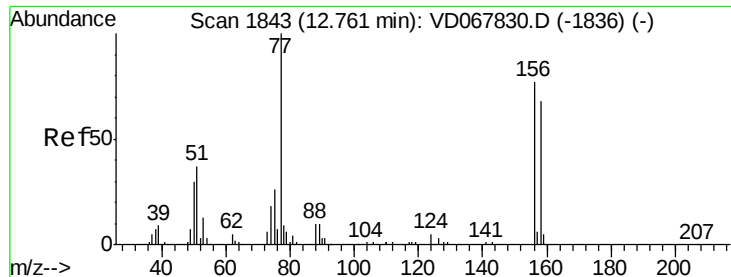
Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Tgt Ion:	75	Resp:	49180
Ion Ratio	Lower	Upper	
75	100		
77	363.4	175.9	527.7





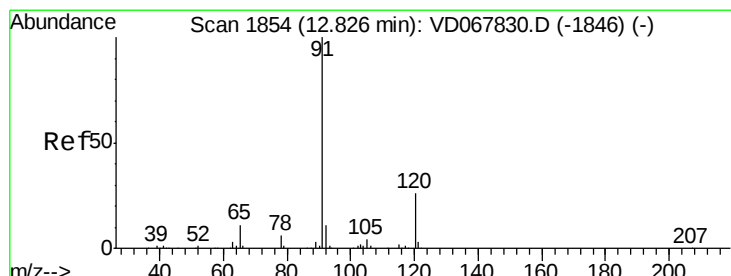
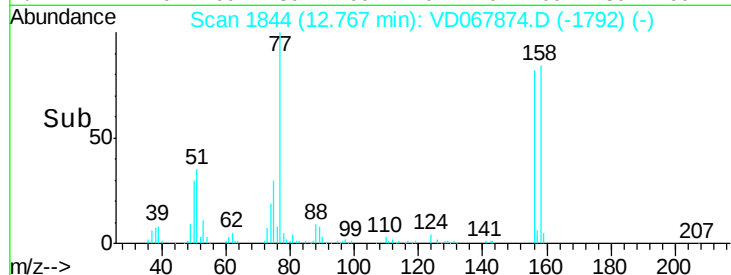
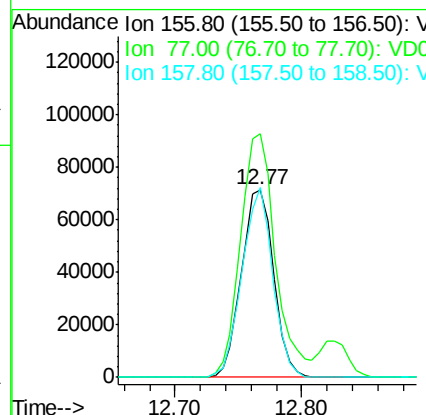
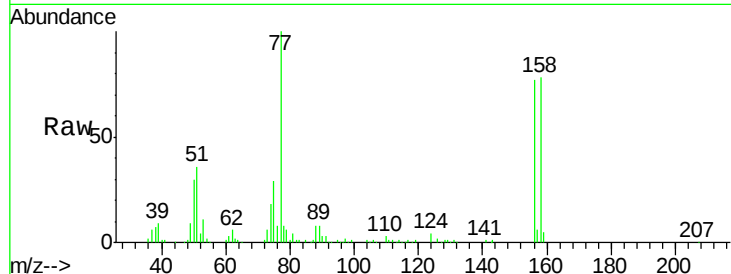
#77
Bromobenzene
Concen: 48.205 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	141.9	71.5	214.5		
158	96.3	47.1	141.4		

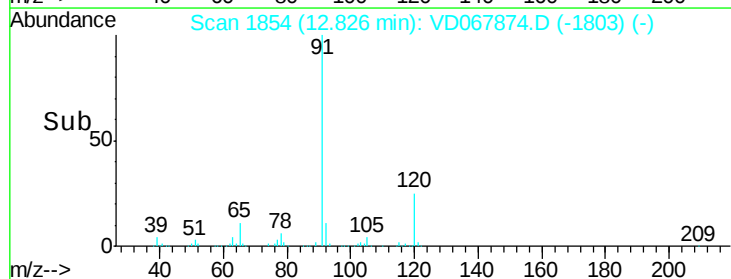
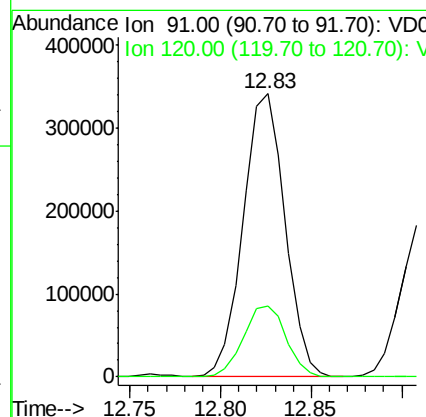
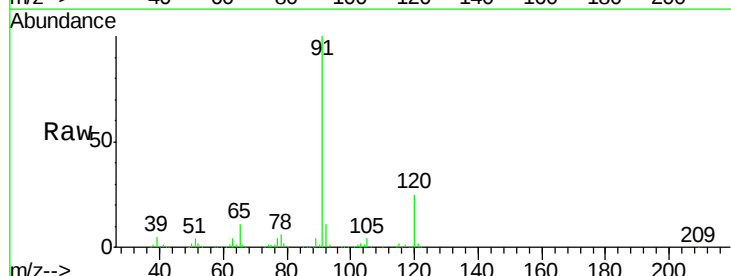
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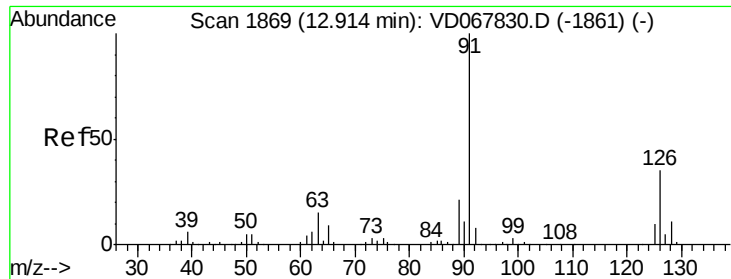
MMDadoda
12/4/2020 11:26:35 AM



#78
n-propylbenzene
Concen: 46.996 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	25.7	12.7	38.0		





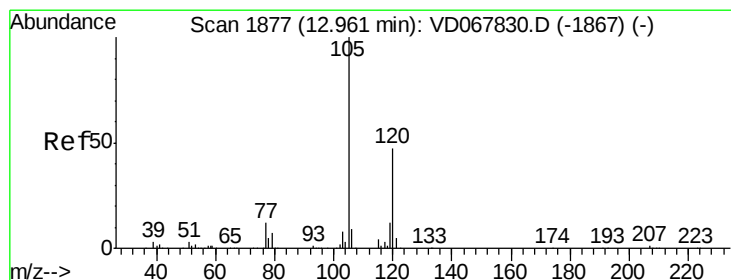
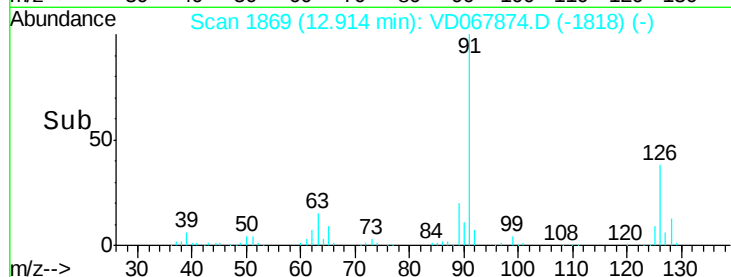
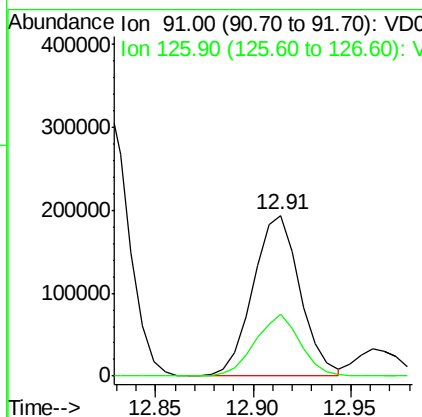
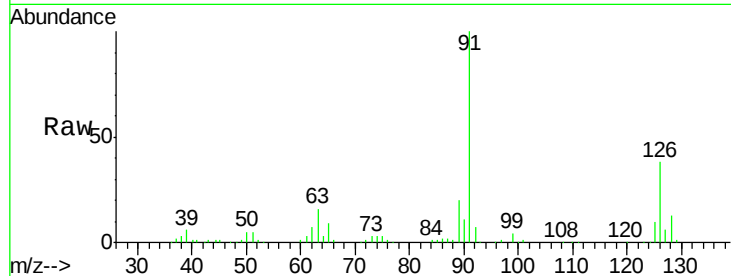
#79
 2-Chlorotoluene
 Concen: 47.056 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 322511
 Ion Ratio Lower Upper
 91 100
 126 37.0 17.9 53.7

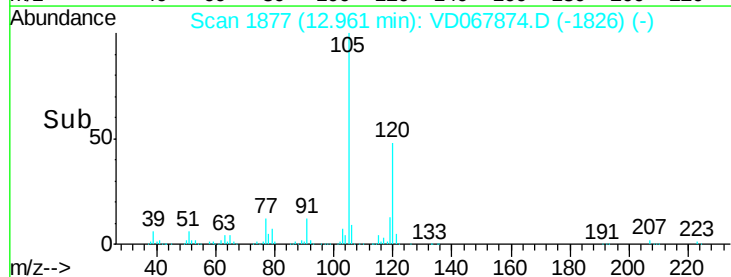
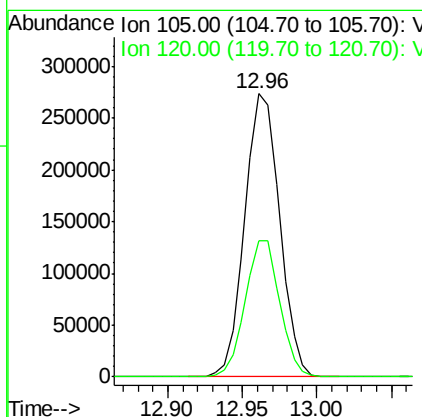
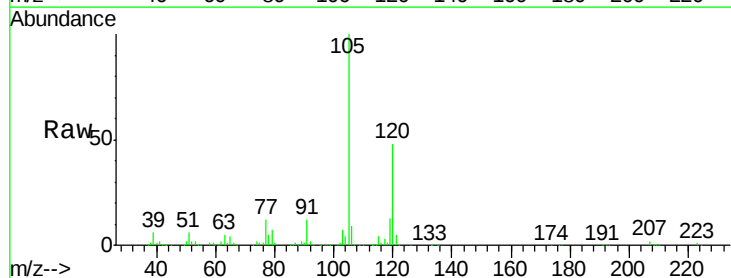
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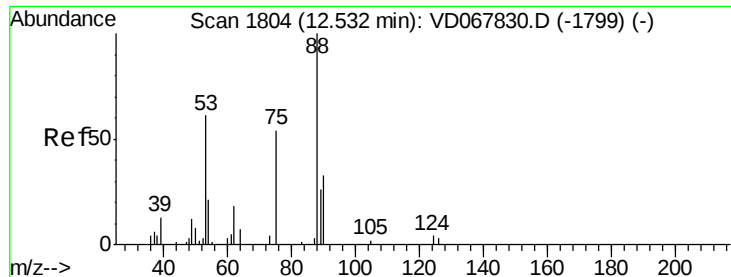
MMDadoda
 12/4/2020 11:26:35 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.606 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion: 105 Resp: 442347
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.3 72.9





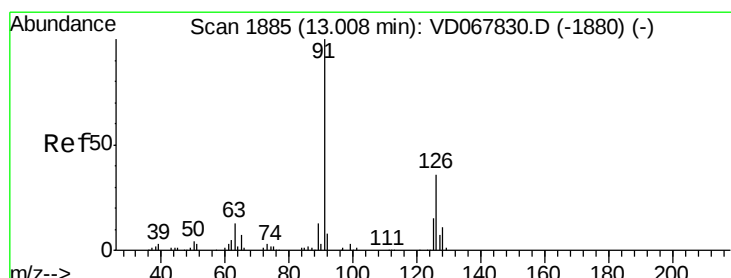
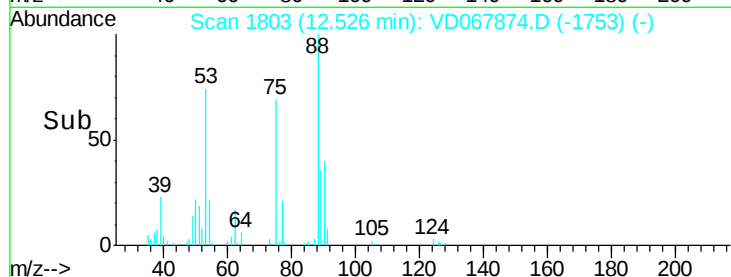
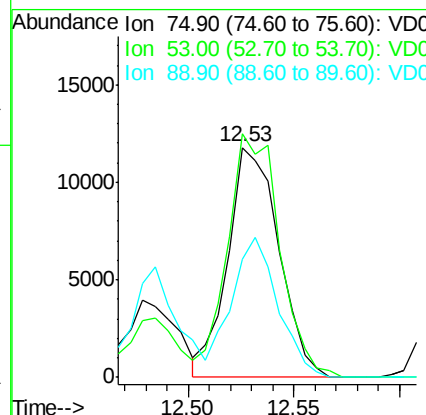
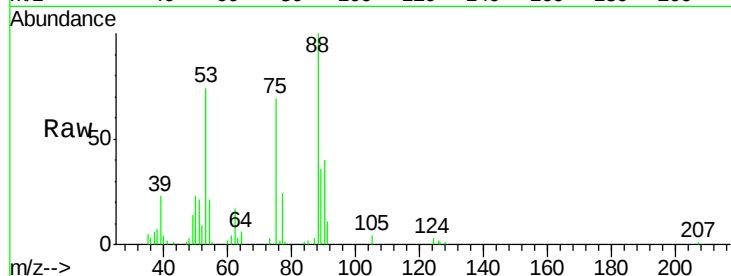
#81
trans-1,4-Dichloro-2-butene
Concen: 42.199 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.3	84.6	127.0
89	55.6	41.0	61.6

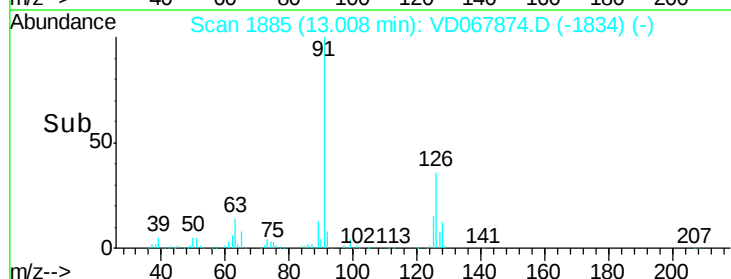
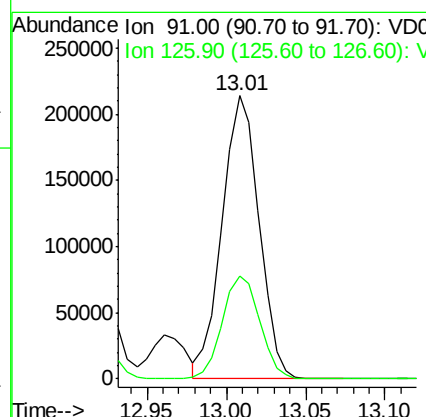
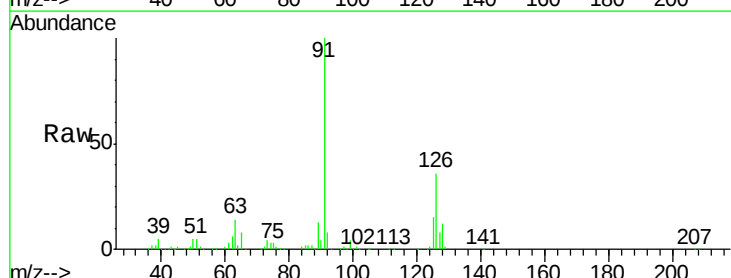
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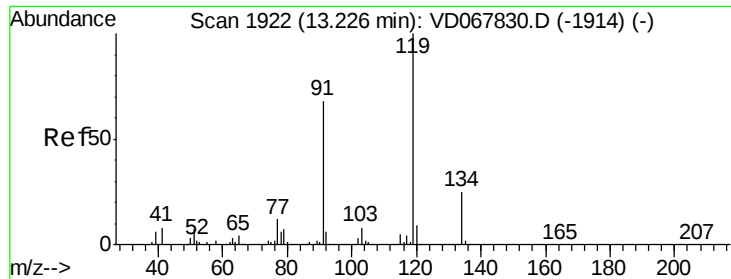
MMDadoda
12/4/2020 11:26:35 AM



#82
4-Chlorotoluene
Concen: 47.327 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.1	54.4





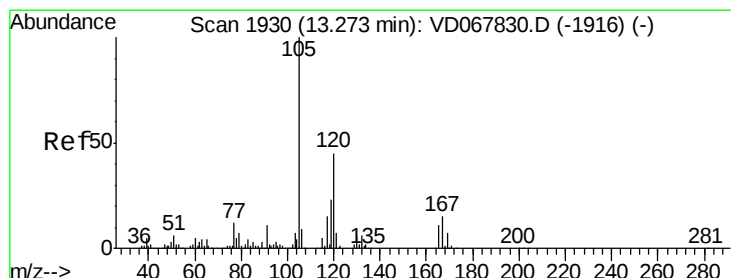
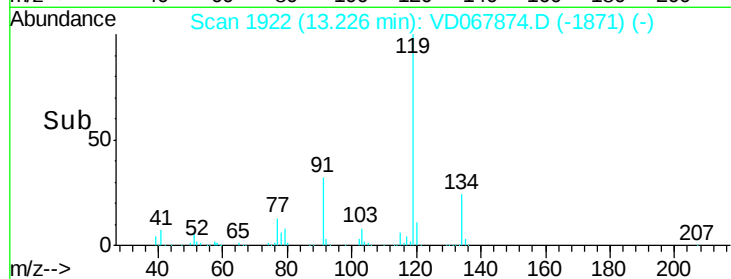
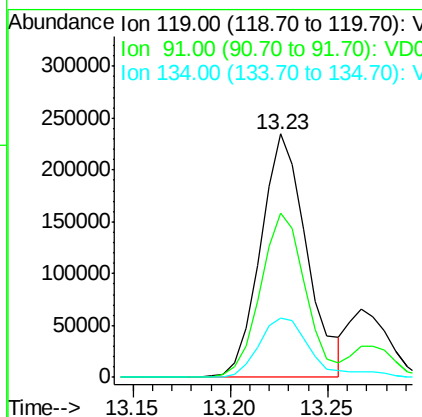
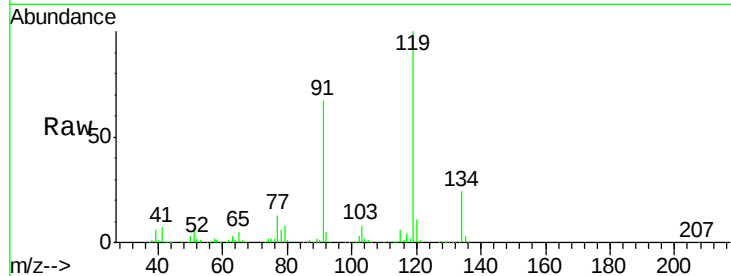
#83
tert-Butylbenzene
Concen: 49.794 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	33.1	99.3
134	27.5	13.6	40.8

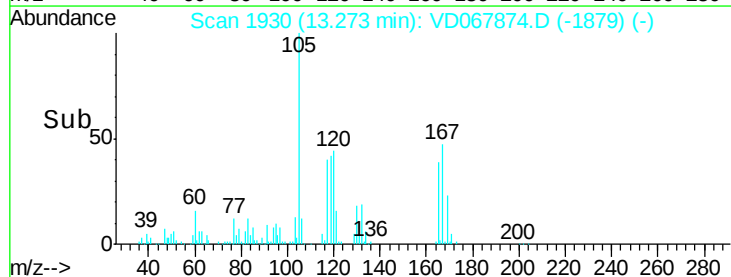
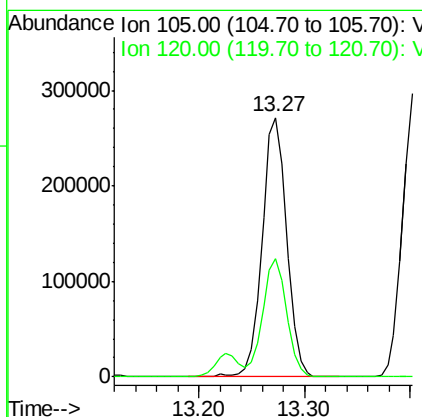
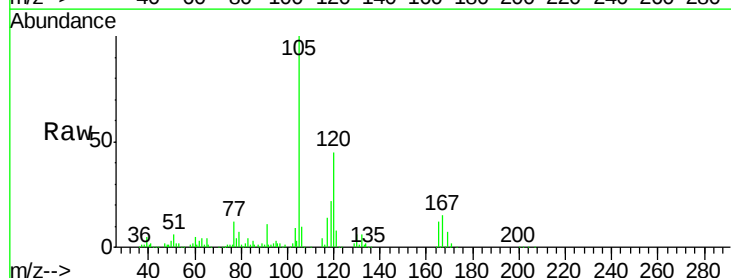
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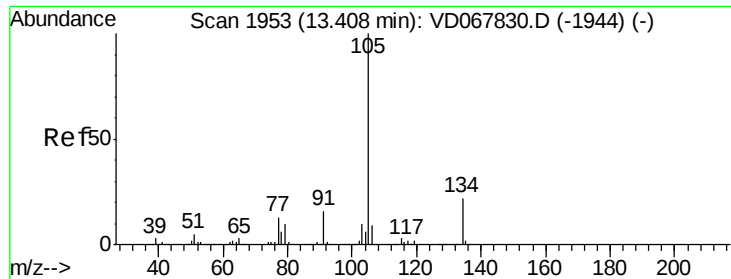
MMDadoda
12/4/2020 11:26:35 AM



#84
1,2,4-Trimethylbenzene
Concen: 48.432 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 46.821 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 483957

Ion Ratio Lower Upper

105 100

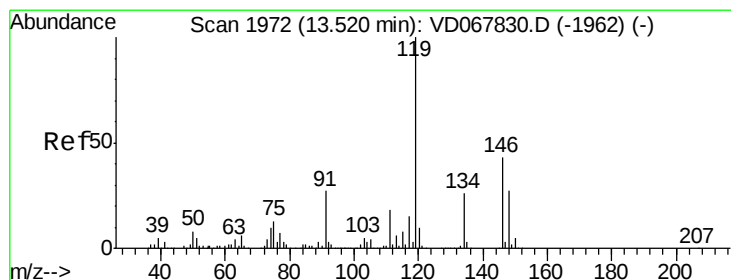
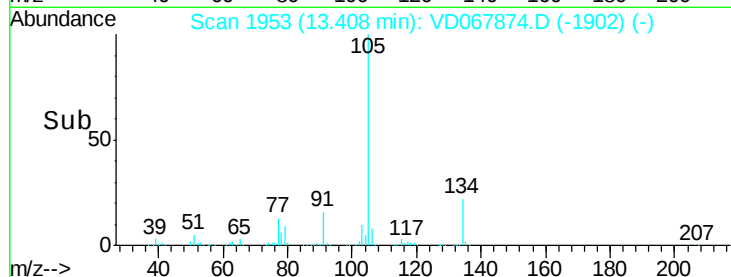
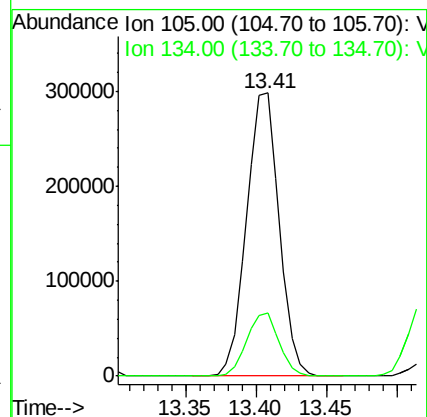
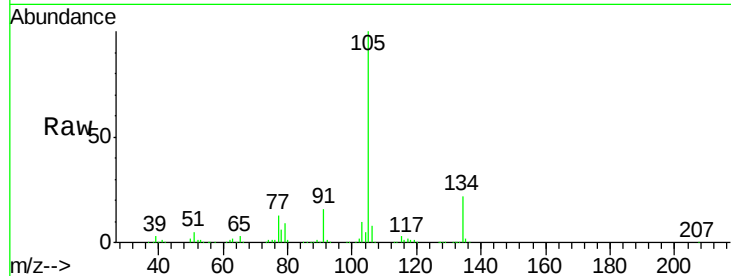
134 22.1 10.9 32.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.904 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

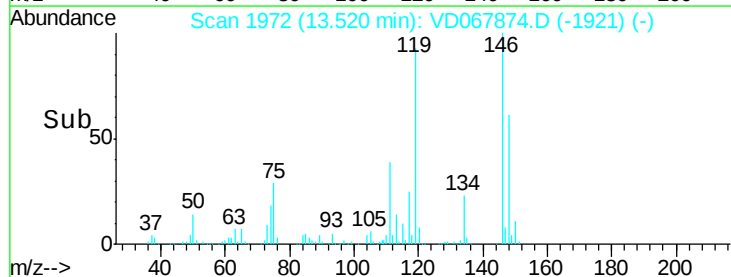
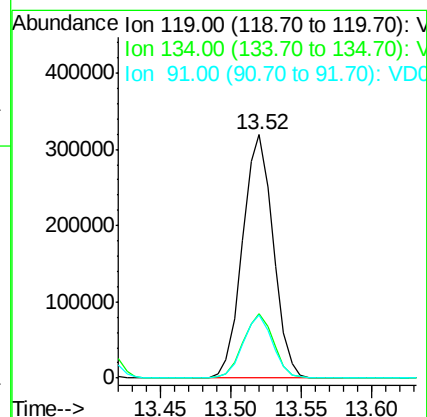
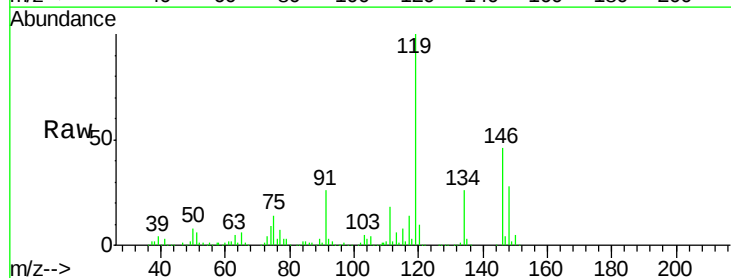
Tgt Ion:119 Resp: 485286

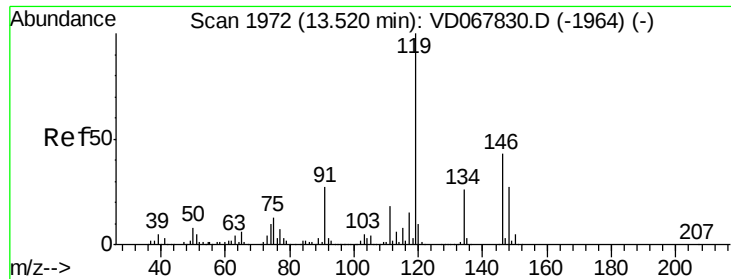
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 25.1 12.8 38.3





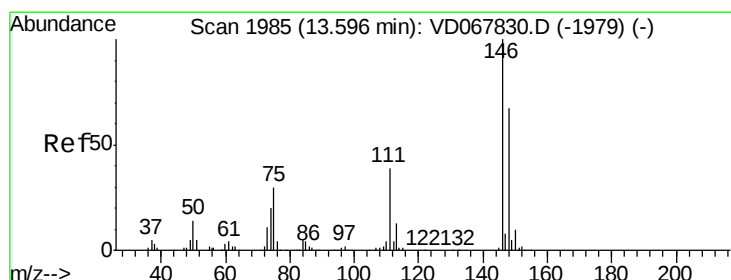
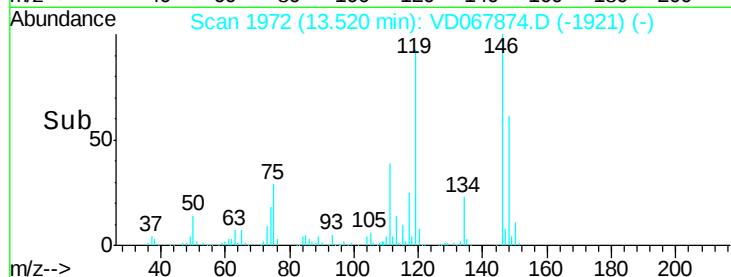
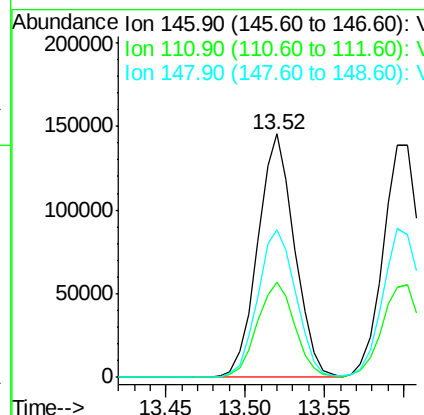
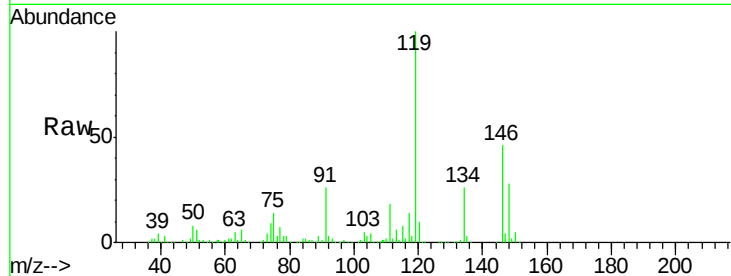
#87
 1,3-Dichlorobenzene
 Concen: 46.627 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.8	62.2
148	62.8	32.9	98.6

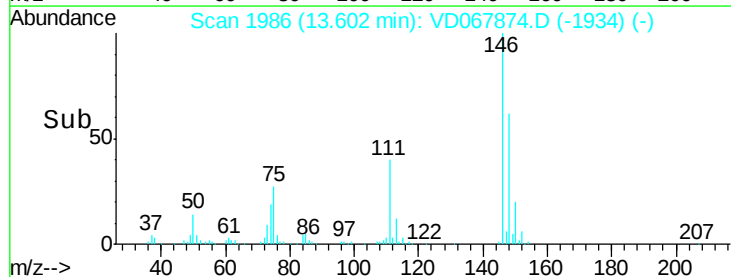
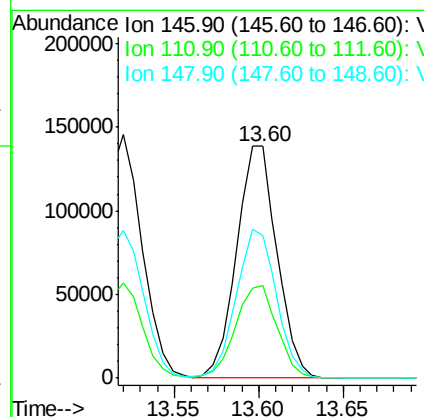
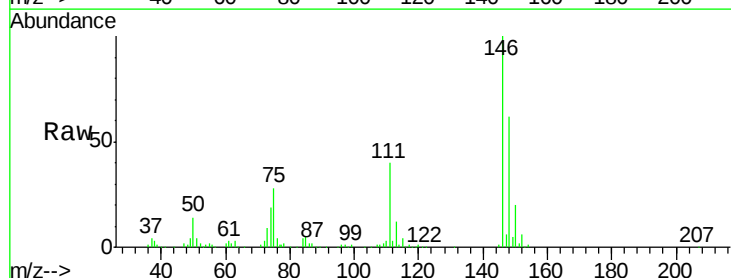
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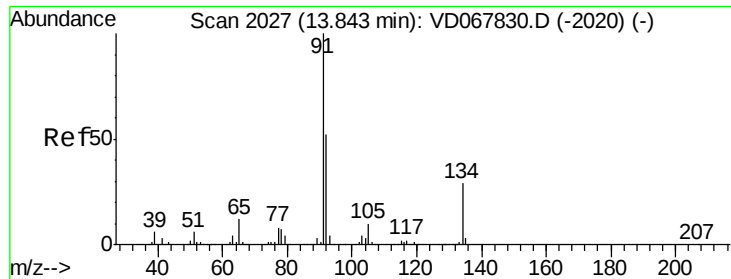
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#88
 1,4-Dichlorobenzene
 Concen: 45.800 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.9	59.6
148	63.8	32.4	97.2





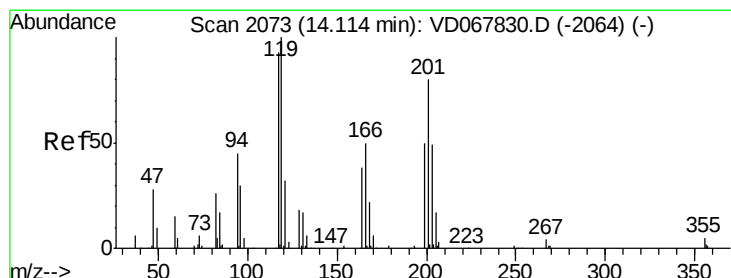
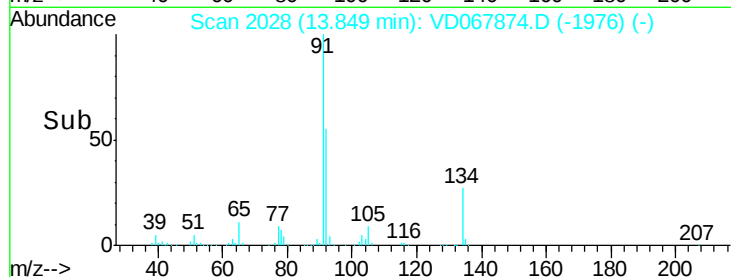
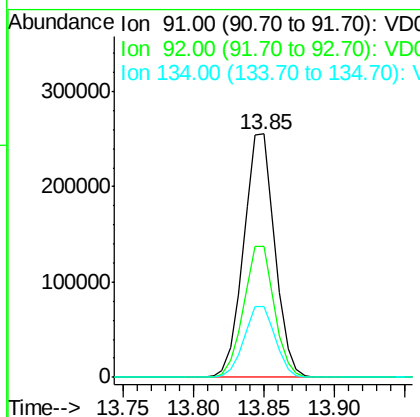
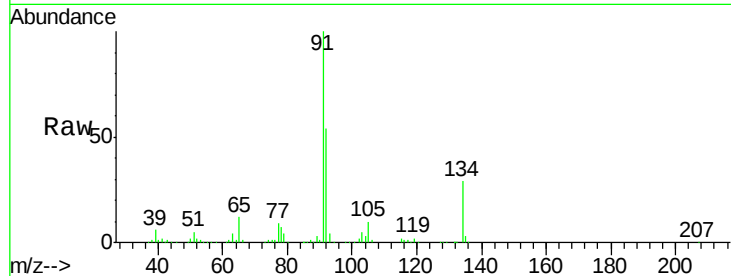
#89
n-Butylbenzene
Concen: 46.856 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.3	78.8
134	29.5	14.8	44.3

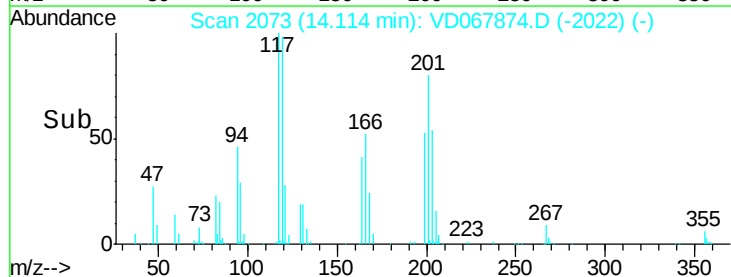
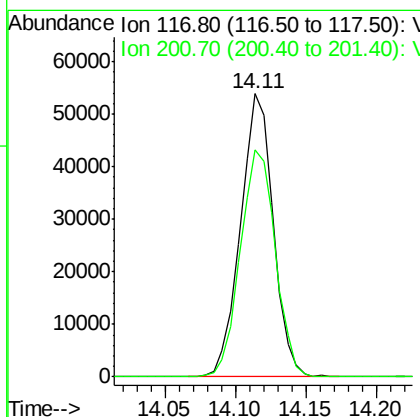
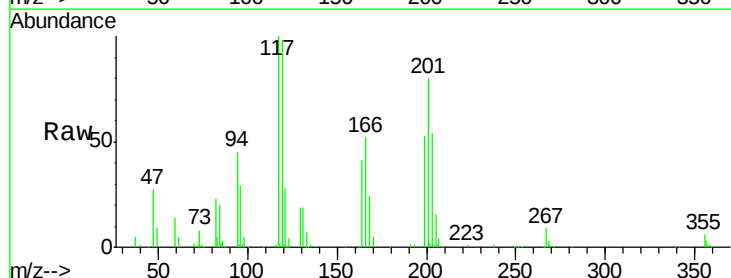
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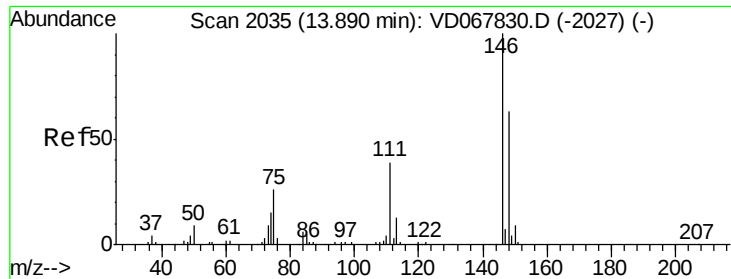
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#90
Hexachloroethane
Concen: 46.728 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	43.9	131.6





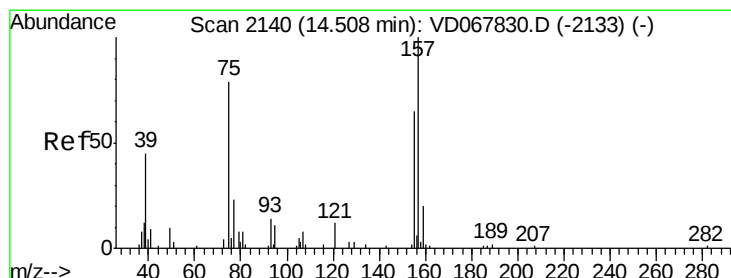
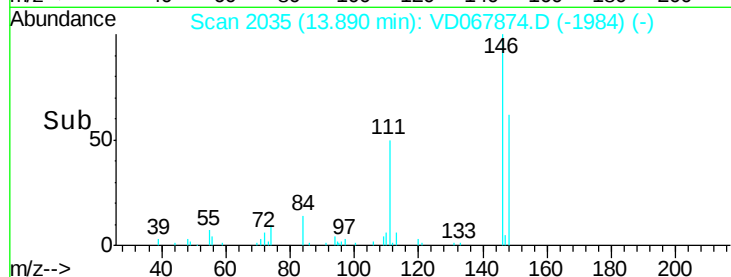
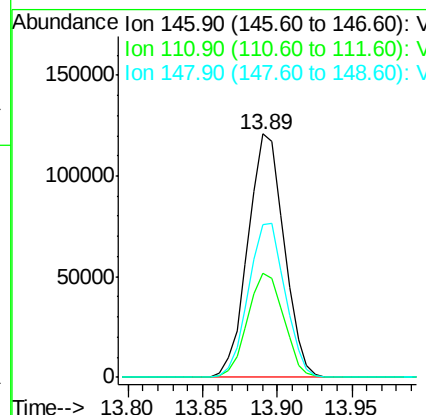
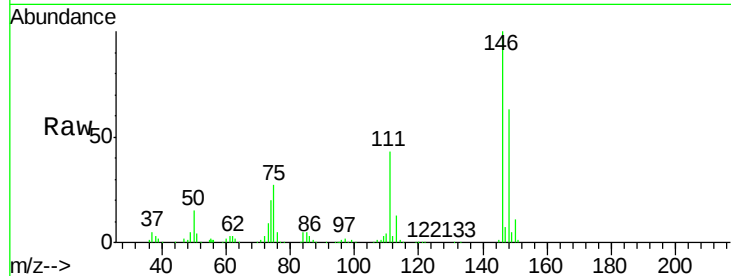
#91
 1,2-Dichlorobenzene
 Concen: 46.242 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.4	61.2
148	64.4	32.1	96.3

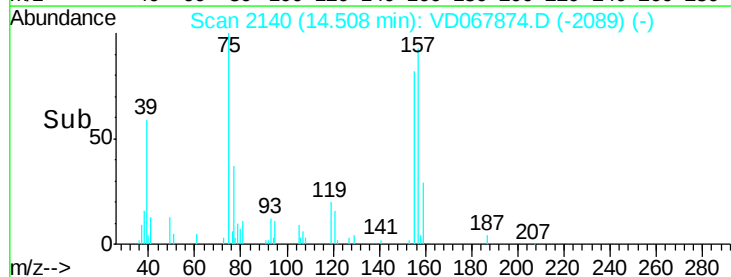
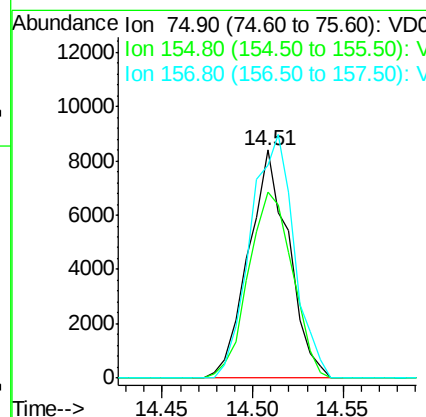
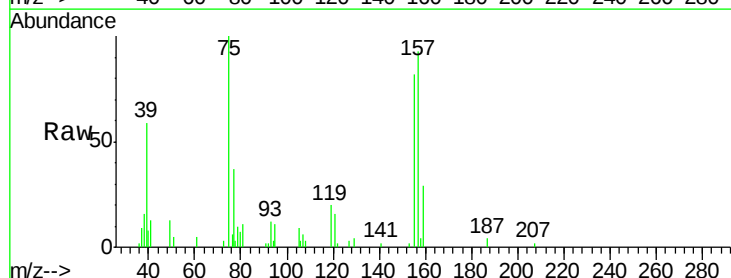
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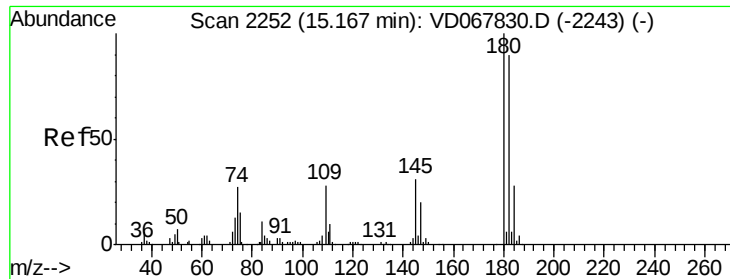
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.734 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	44.1	132.4
157	115.8	62.4	187.2





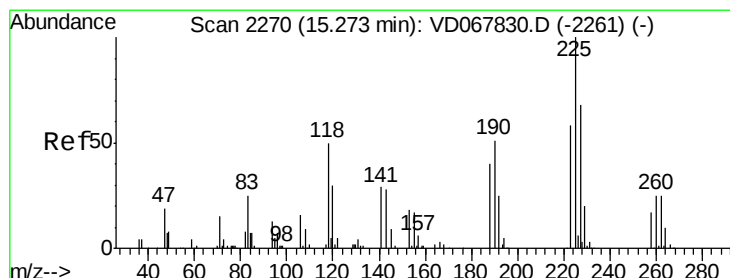
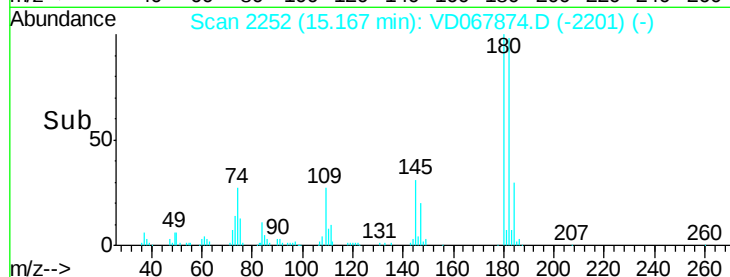
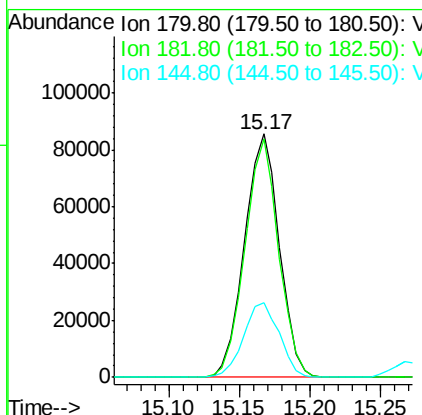
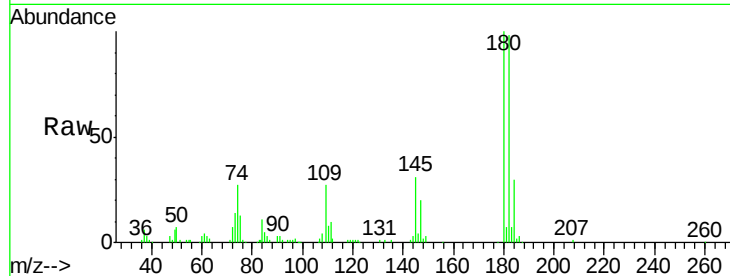
#93
 1,2,4-Trichlorobenzene
 Concen: 48.269 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	147615		
182	94.9	47.5	142.6	
145	31.6	16.4	49.4	

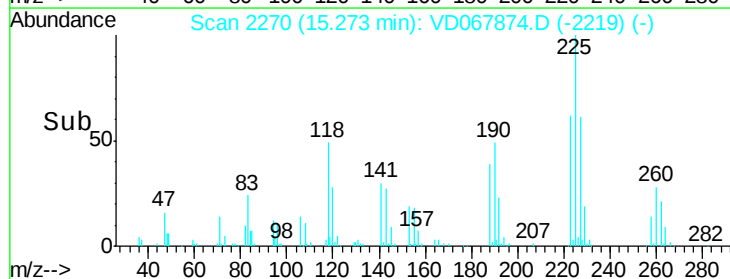
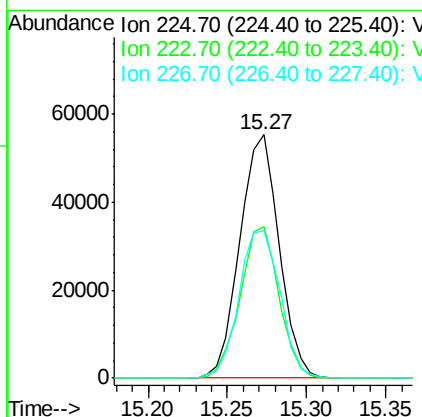
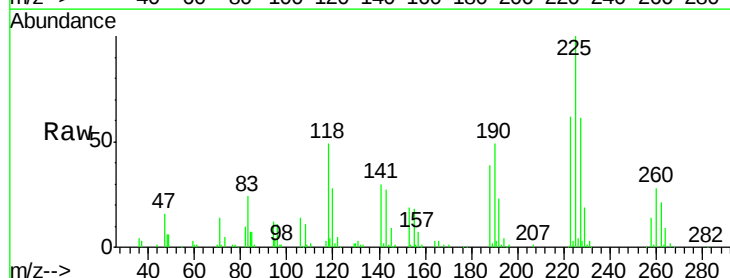
Manual Integrations
 APPROVED

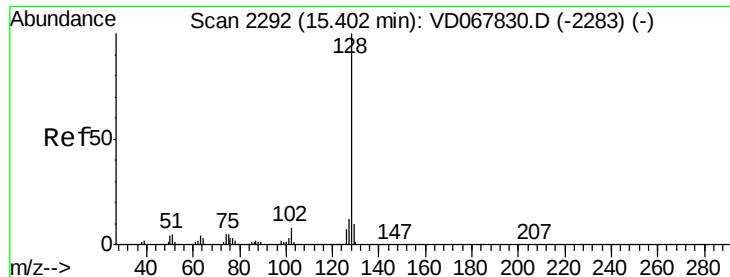
MMDadoda
 12/4/2020 11:26:35 AM



#94
 Hexachlorobutadiene
 Concen: 47.710 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95207		
223	61.7	31.1	93.3	
227	63.3	33.1	99.3	





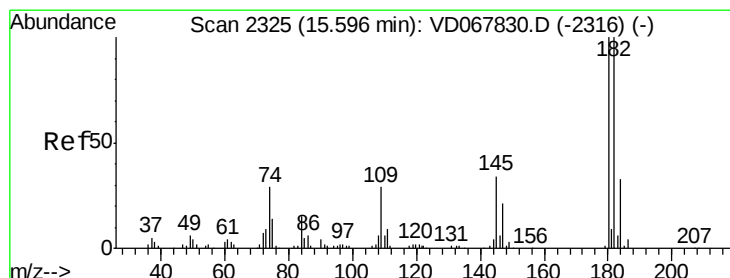
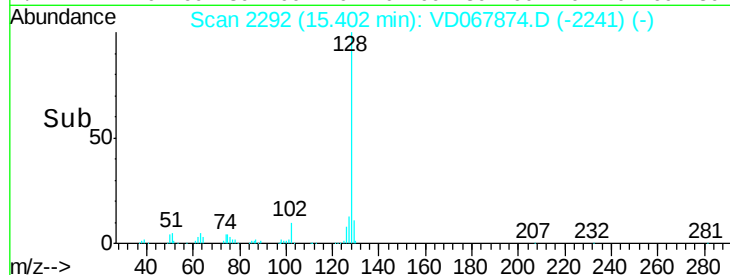
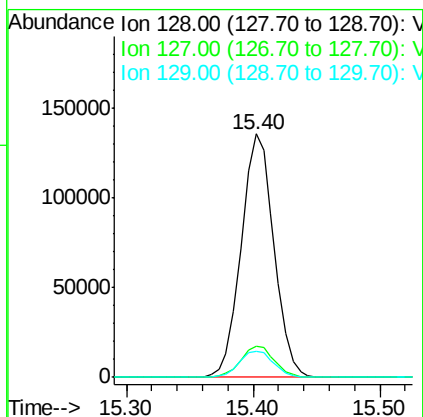
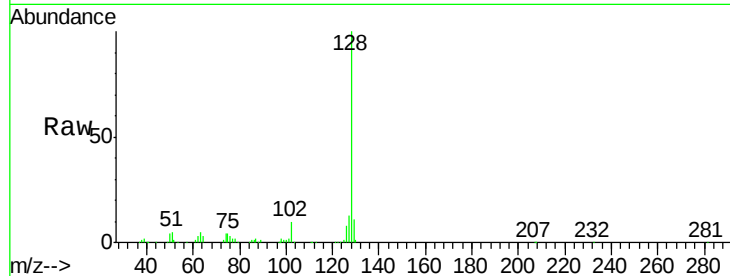
#95
Naphthalene
Concen: 48.569 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.4	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
12/4/2020 11:26:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.262 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	142.0
145	33.3	16.8	50.4

