

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067505.D
 Acq On : 03 Nov 2020 12:03
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:43:26 AM

Quant Time: Nov 04 00:43:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	341839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	500694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	454101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	226494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	267369	89.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.90%	
35) Dibromofluoromethane	7.92	113	276740	91.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.48%	
50) Toluene-d8	10.34	98	972055	91.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.38%	
62) 4-Bromofluorobenzene	12.64	95	341185	93.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	266058	85.115	ug/l	96
3) Chloromethane	2.21	50	192356	90.363	ug/l	99
4) Vinyl Chloride	2.35	62	216800	91.349	ug/l	98
5) Bromomethane	2.76	94	169769	88.255	ug/l	94
6) Chloroethane	2.93	64	132361	90.461	ug/l	98
7) Trichlorofluoromethane	3.28	101	550042	89.509	ug/l	96
8) Diethyl Ether	3.71	74	120462	97.286	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	285060	91.899	ug/l	99
10) Methyl Iodide	4.30	142	368025	110.700	ug/l	98
11) Tert butyl alcohol	5.22	59	59019	389.963	ug/l	99
12) 1,1-Dichloroethene	4.07	96	269308	94.389	ug/l	96
13) Acrolein	3.92	56	70941	653.231	ug/l	97
14) Allyl chloride	4.72	41	302516	99.069	ug/l	99
15) Acrylonitrile	5.42	53	218655	477.709	ug/l	99
16) Acetone	4.16	43	231903	518.464	ug/l	99
17) Carbon Disulfide	4.41	76	817543	93.510	ug/l	99
18) Methyl Acetate	4.72	43	83167	89.978	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	570225	101.322	ug/l	95
20) Methylene Chloride	4.97	84	279438	88.441	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	312942	94.170	ug/l	99
22) Diisopropyl ether	6.37	45	574368	96.522	ug/l	96
23) Vinyl Acetate	6.31	43	1629514	522.146	ug/l	100
24) 1,1-Dichloroethane	6.27	63	460260	94.545	ug/l	99
25) 2-Butanone	7.21	43	232417	486.290	ug/l	97
26) 2,2-Dichloropropane	7.21	77	484517	94.304	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	328179	95.143	ug/l	97
28) Bromochloromethane	7.55	49	171956	99.304	ug/l	99
29) Tetrahydrofuran	7.57	42	139820	488.390	ug/l	98
30) Chloroform	7.71	83	542147	93.350	ug/l	98
31) Cyclohexane	7.99	56	374327	86.347	ug/l	89
32) 1,1,1-Trichloroethane	7.91	97	551635	92.058	ug/l	99
36) 1,1-Dichloropropene	8.11	75	405955	94.720	ug/l	99
37) Ethyl Acetate	7.30	43	107302	96.437	ug/l	98
38) Carbon Tetrachloride	8.10	117	524168	94.131	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	498887	98.900	ug/l	97
40) Benzene	8.36	78	1092947	94.143	ug/l	98
41) Methacrylonitrile	7.53	41	60400m	107.919	ug/l	
42) 1,2-Dichloroethane	8.43	62	339056	94.526	ug/l	99
43) Isopropyl Acetate	8.46	43	213812	97.163	ug/l	99
44) Trichloroethene	9.12	130	356579	93.413	ug/l	96
45) 1,2-Dichloropropane	9.39	63	238887	95.173	ug/l	98
46) Dibromomethane	9.48	93	149394	93.609	ug/l	97
47) Bromodichloromethane	9.67	83	407926	94.040	ug/l	97
48) Methyl methacrylate	9.46	41	108417	95.421	ug/l	93
49) 1,4-Dioxane	9.47	88	30182	1862.906	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	519060	493.205	ug/l	100
52) Toluene	10.41	92	759031	97.613	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	369231	99.386	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	430854	97.611	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	199610	94.529	ug/l	99
56) Ethyl methacrylate	10.67	69	223822	102.642	ug/l	96
57) 1,3-Dichloropropane	10.95	76	327282	96.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	519696	511.067	ug/l	99
59) 2-Hexanone	10.99	43	383622	521.329	ug/l	99
60) Dibromochloromethane	11.14	129	295166	94.493	ug/l	97
61) 1,2-Dibromoethane	11.26	107	200054	94.396	ug/l	98
64) Tetrachloroethene	10.88	164	301190	89.559	ug/l	97
65) Chlorobenzene	11.68	112	819386	93.674	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	320672	93.014	ug/l	100
67) Ethyl Benzene	11.75	91	1463947	97.804	ug/l	100
68) m/p-Xylenes	11.86	106	1121978	192.670	ug/l	100
69) o-Xylene	12.18	106	517822	99.597	ug/l	98
70) Styrene	12.20	104	872639	96.321	ug/l	99
71) Bromoform	12.37	173	164814	93.735	ug/l #	99
73) Isopropylbenzene	12.48	105	1461872	99.869	ug/l	100
74) N-amyl acetate	12.30	43	193653	100.541	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	189724	95.050	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	123427m	86.414	ug/l	
77) Bromobenzene	12.77	156	339470	94.431	ug/l	99
78) n-propylbenzene	12.83	91	1633645	97.570	ug/l	100
79) 2-Chlorotoluene	12.91	91	926714	97.437	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1237852	98.993	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	62390	92.706	ug/l	95
82) 4-Chlorotoluene	13.01	91	970191	95.112	ug/l	100
83) tert-Butylbenzene	13.23	119	1070944	101.055	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1216247	97.714	ug/l	97
85) sec-Butylbenzene	13.41	105	1425171	99.619	ug/l	99
86) p-Isopropyltoluene	13.52	119	1359463	98.404	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	638854	93.133	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	635054	91.430	ug/l	99
89) n-Butylbenzene	13.85	91	1190562	99.771	ug/l	98
90) Hexachloroethane	14.12	117	257857	99.114	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	558165	94.019	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	34870	98.668	ug/l	98

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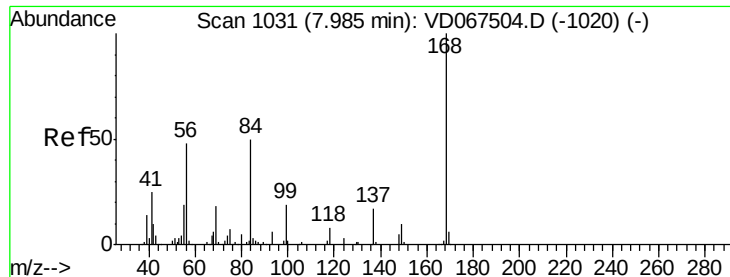
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	403935	100.248	ug/l	99
94) Hexachlorobutadiene	15.27	225	259361	96.176	ug/l	99
95) Naphthalene	15.41	128	670667	107.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	343978	99.690	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 341839

Ion Ratio Lower Upper

168 100

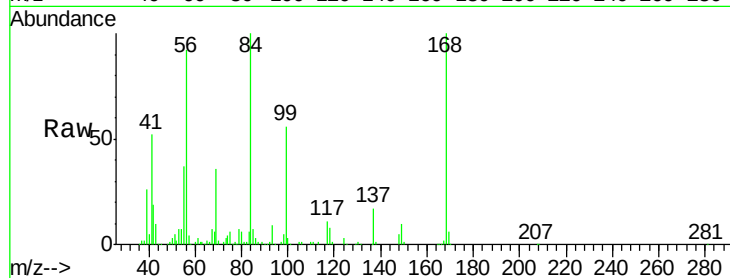
99 55.9 45.0 67.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

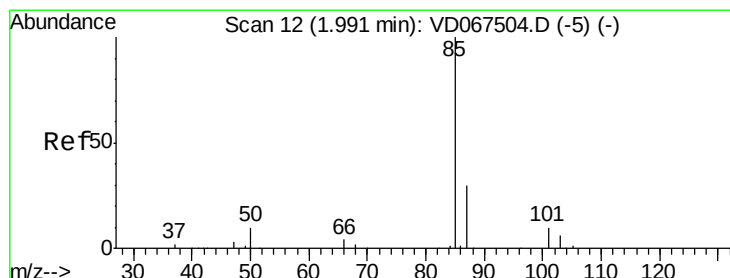
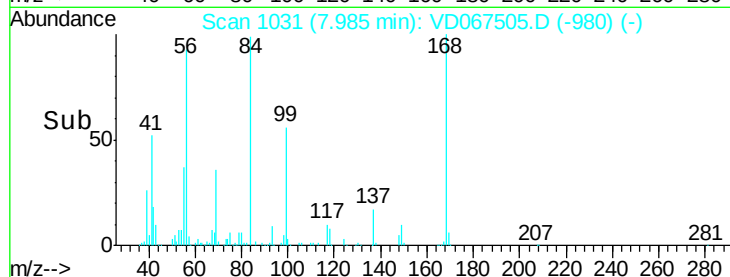
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 85.115 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067505.D

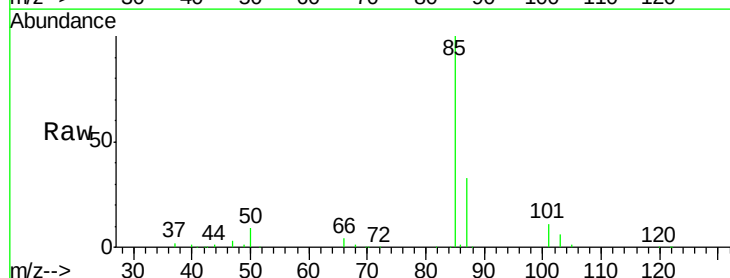
Acq: 03 Nov 2020 12:03

Tgt Ion: 85 Resp: 266058

Ion Ratio Lower Upper

85 100

87 32.6 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

200000

150000

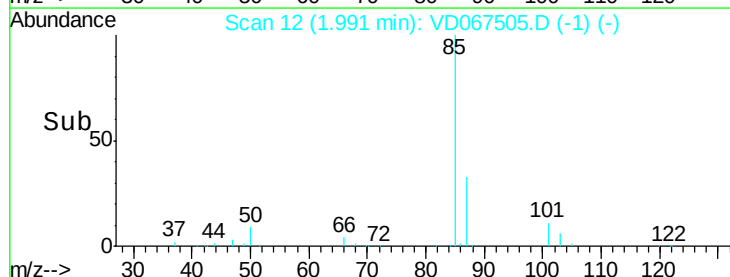
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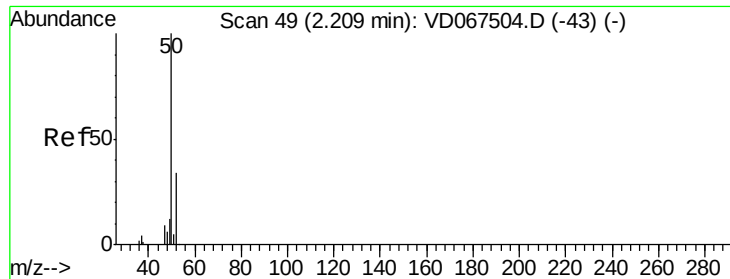
50000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 90.363 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 192356

Ion Ratio Lower Upper

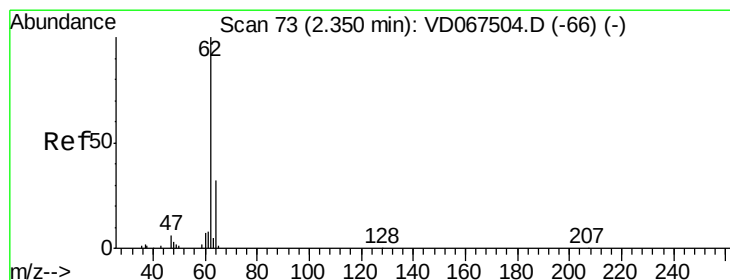
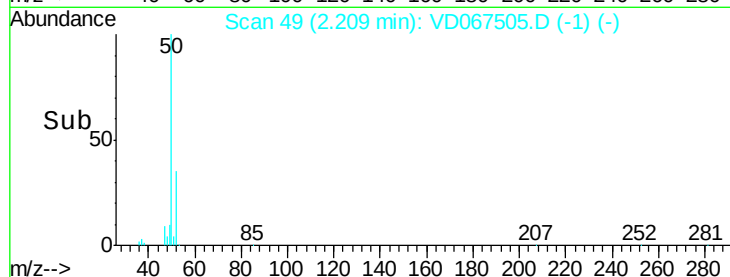
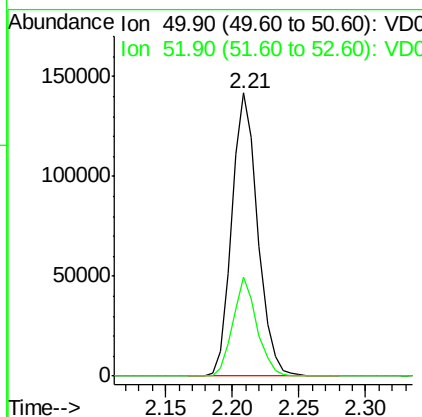
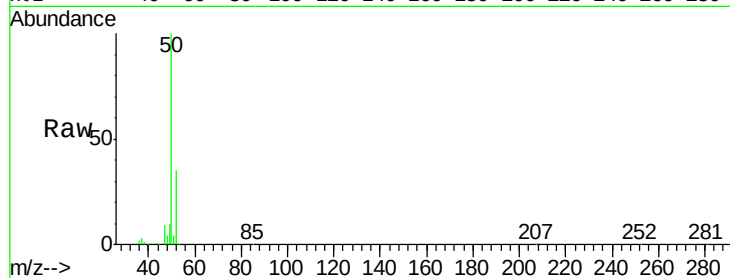
50 100

52 34.9 27.3 40.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 91.349 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067505.D

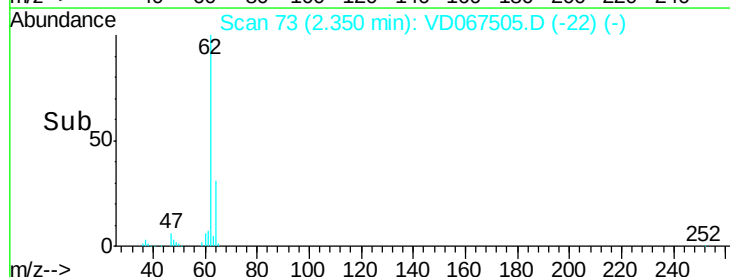
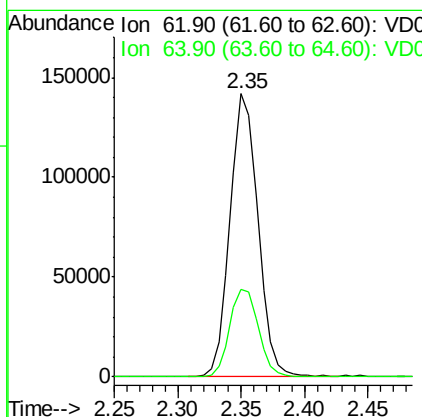
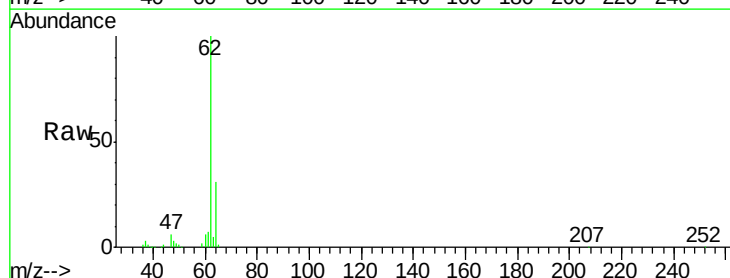
Acq: 03 Nov 2020 12:03

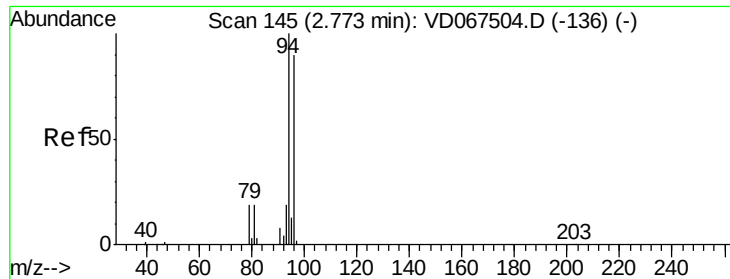
Tgt Ion: 62 Resp: 216800

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4





#5

Bromomethane

Concen: 88.255 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 169769

Ion Ratio Lower Upper

94 100

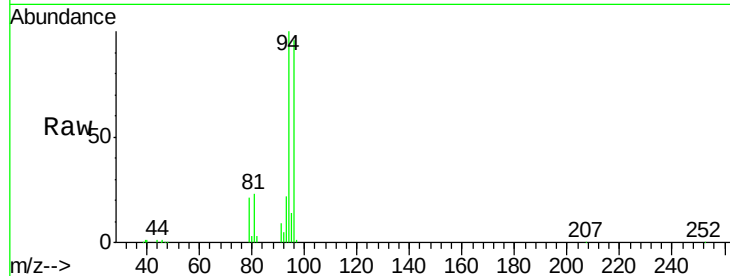
96 95.8 72.2 108.2

Manual Integrations

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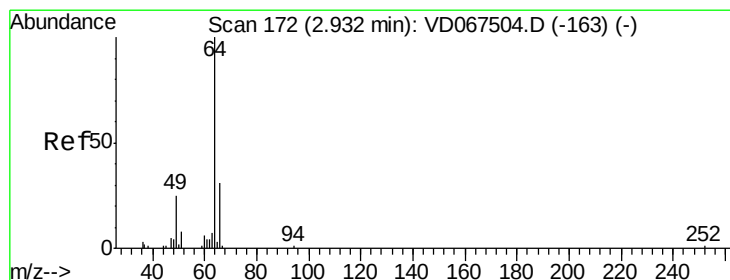
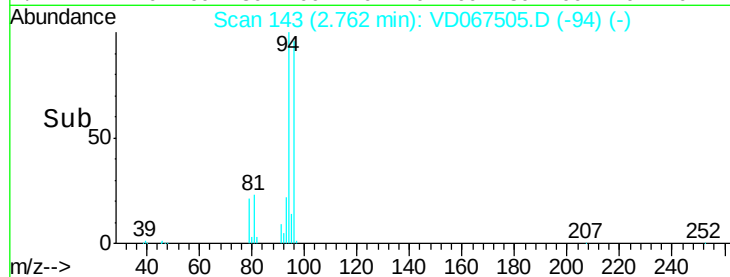
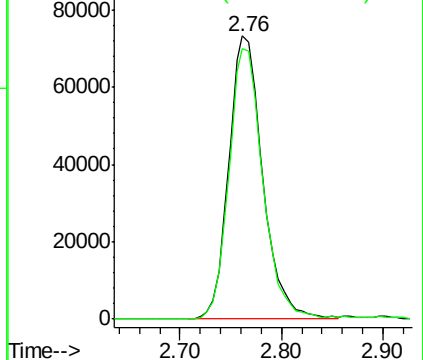
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 90.461 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067505.D

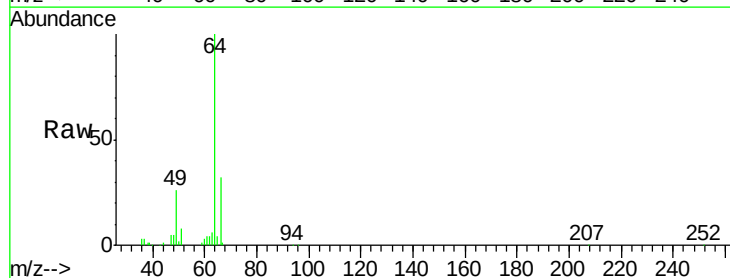
Acq: 03 Nov 2020 12:03

Tgt Ion: 64 Resp: 132361

Ion Ratio Lower Upper

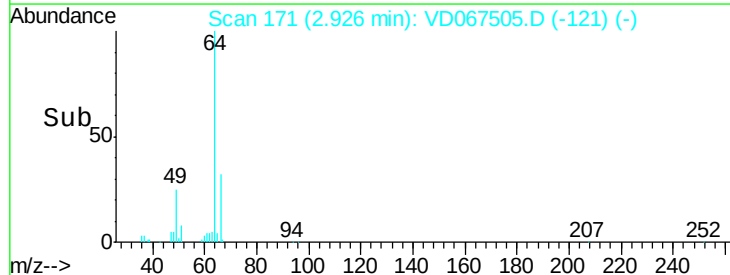
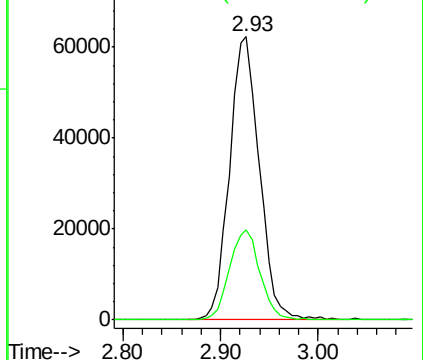
64 100

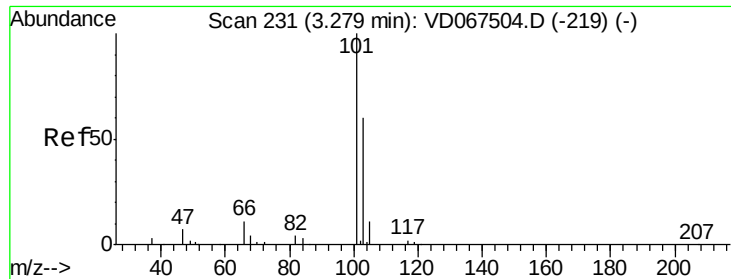
66 32.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

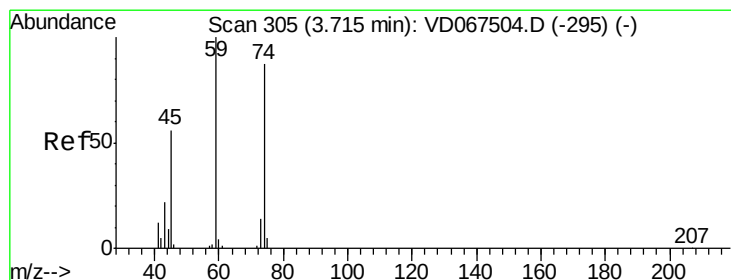
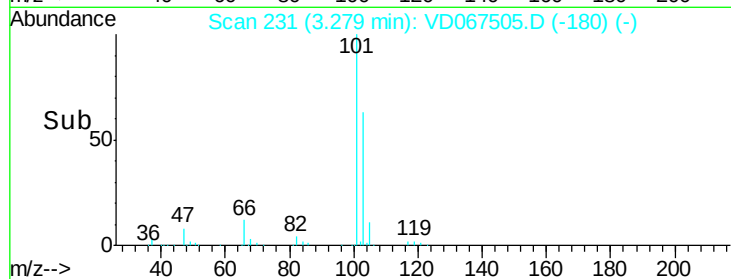
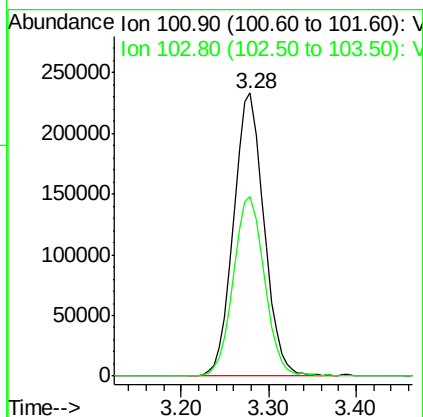
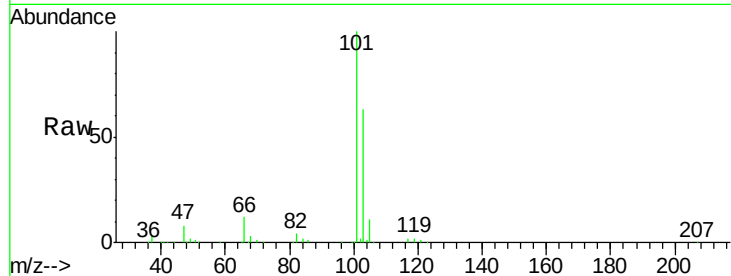
Trichlorofluoromethane
Concen: 89.509 ug/l
RT: 3.28 min Scan# 231
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	48.1	72.1

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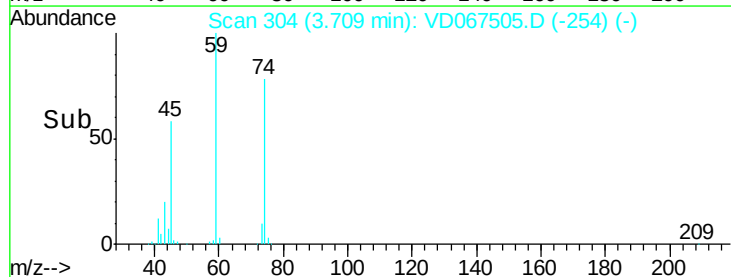
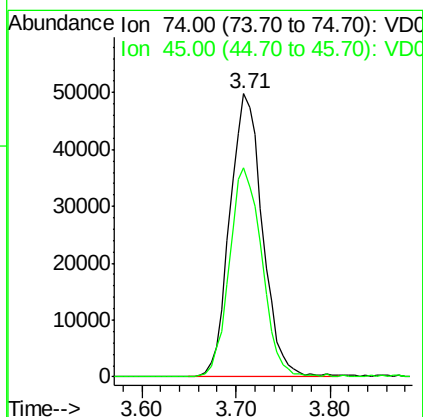
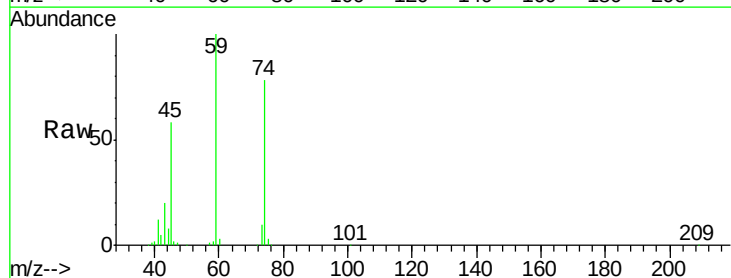
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11/4/2020 10:43:26 AM

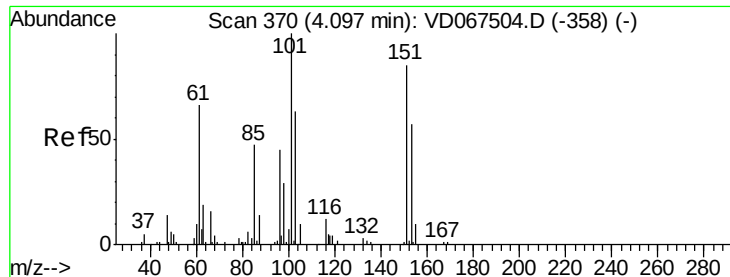


#8

Diethyl Ether
Concen: 97.286 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	73.2	38.2	114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.899 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

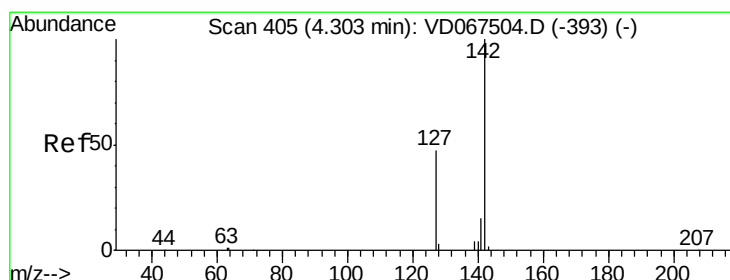
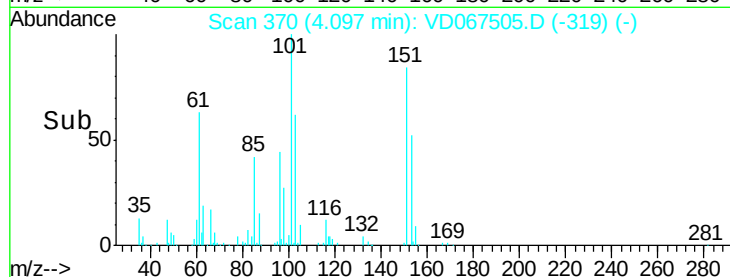
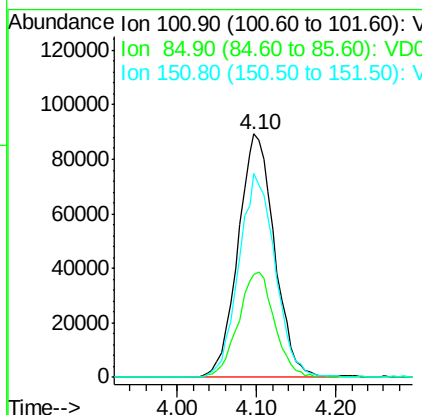
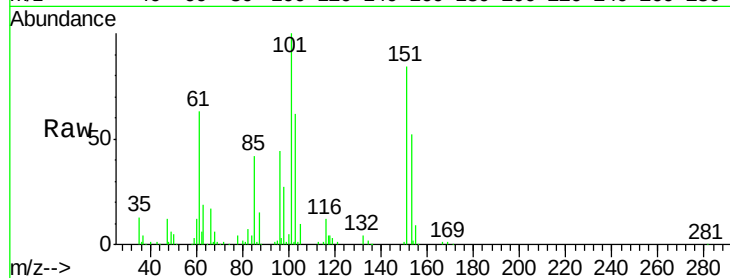
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	285060
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.4	51.6
151	83.2	68.1	102.1

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#10

Methyl Iodide

Concen: 110.700 ug/l

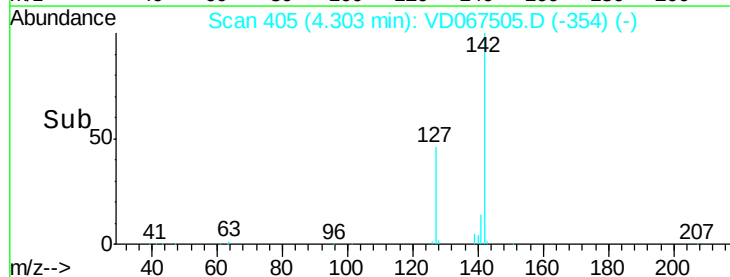
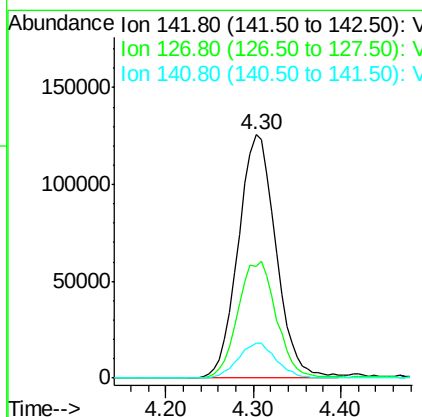
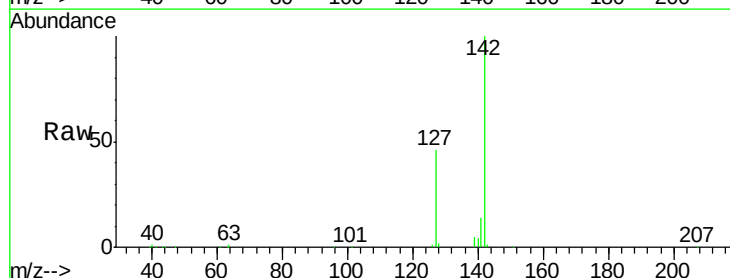
RT: 4.30 min Scan# 405

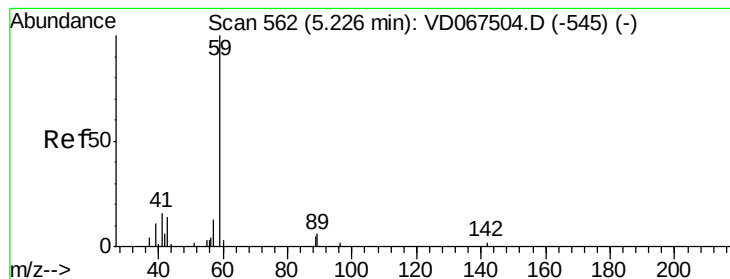
Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Tgt Ion:	142	Resp:	368025
Ion Ratio	Lower	Upper	
142	100		
127	48.7	40.0	60.0
141	14.5	11.7	17.5





#11

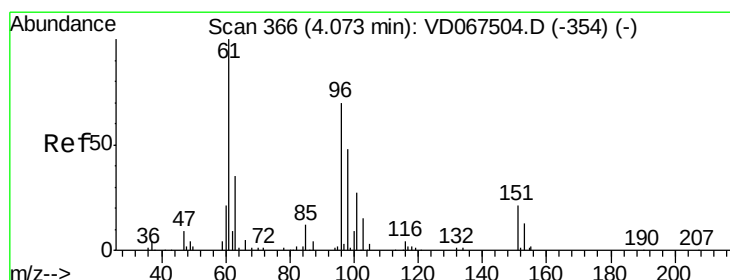
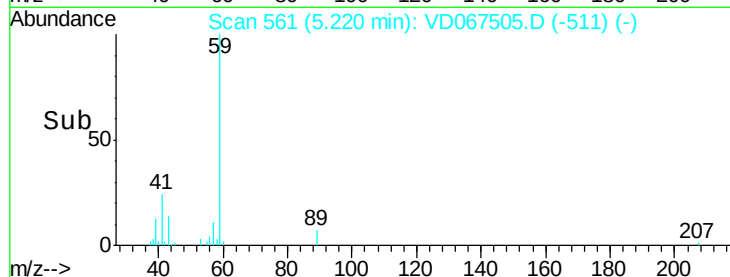
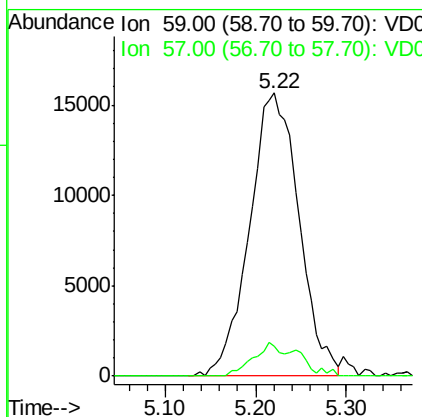
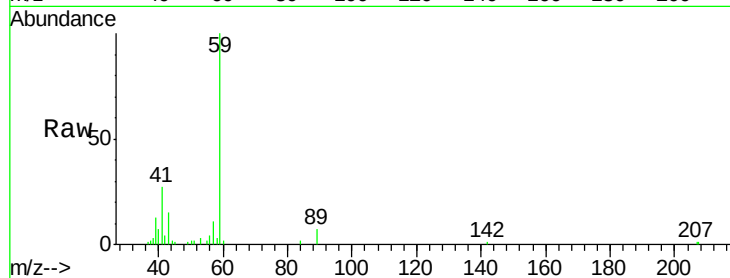
Tert butyl alcohol
 Concen: 389.963 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	59019		
57	6.9		5.9	8.9

Manual Integrations
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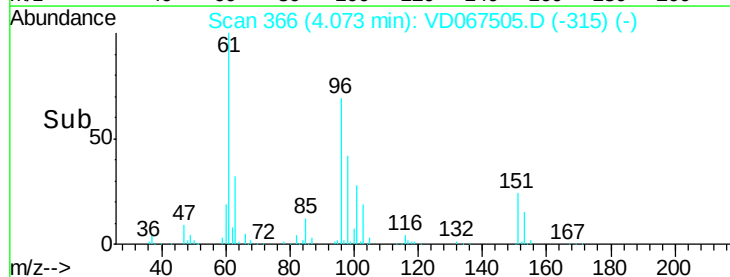
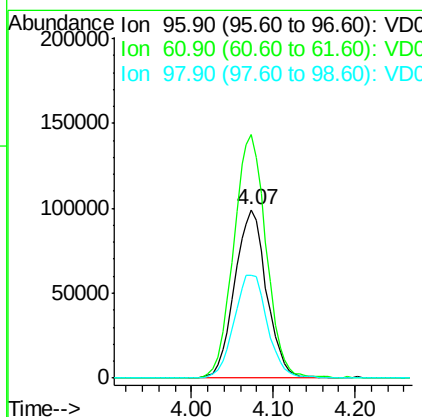
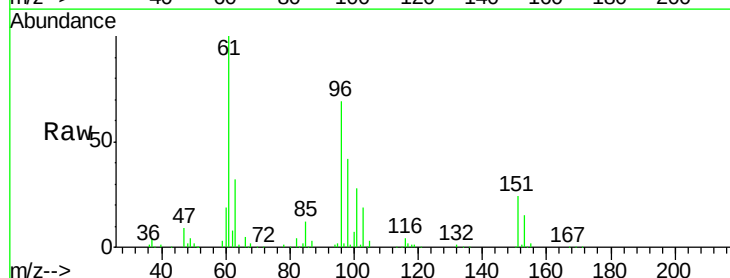
MMDadoda
 11/4/2020 10:43:26 AM

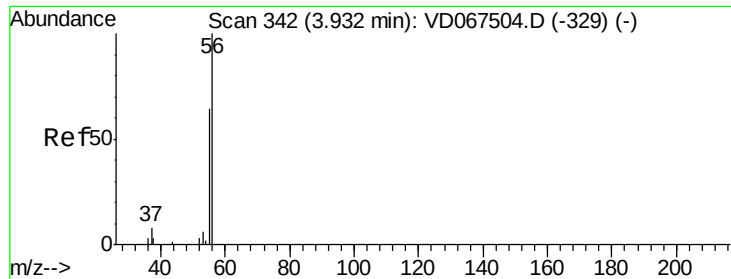


#12

1,1-Dichloroethene
 Concen: 94.389 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	269308		
61	144.8		114.5	171.7
98	61.5		54.5	81.7





#13

Acrolein

Concen: 653.231 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 70941

Ion Ratio Lower Upper

56 100

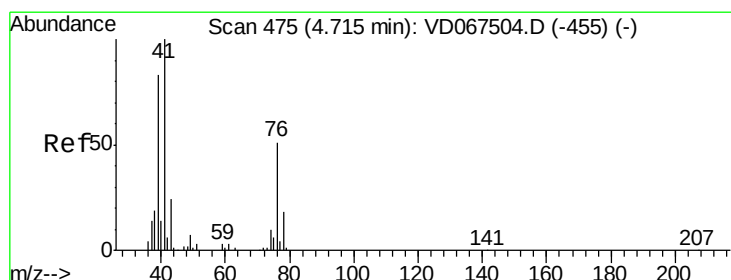
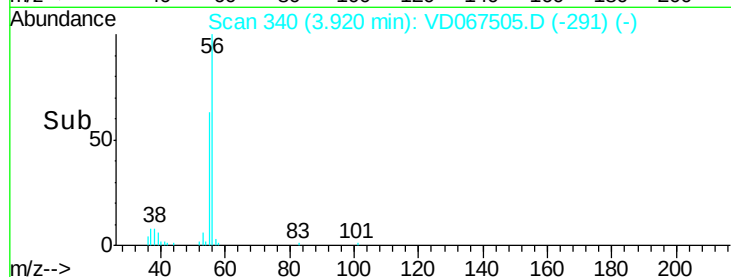
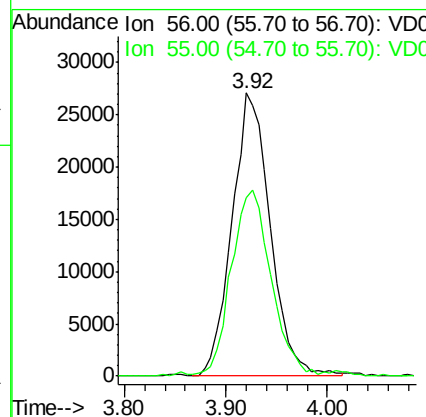
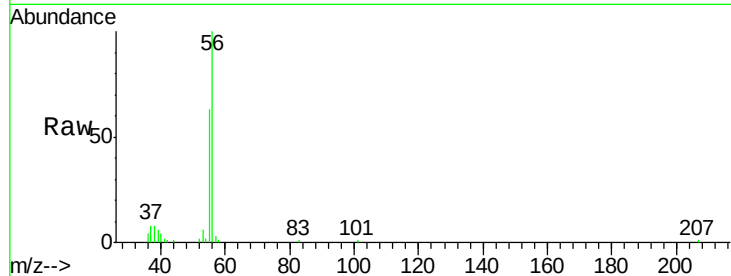
55 67.3 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 99.069 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

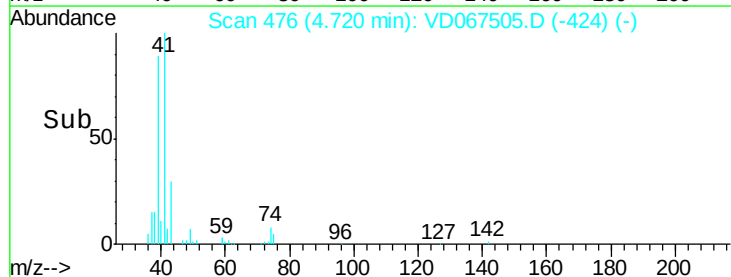
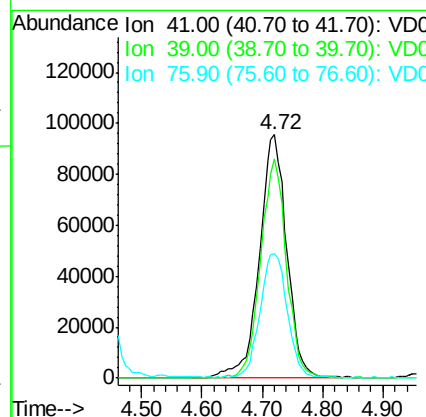
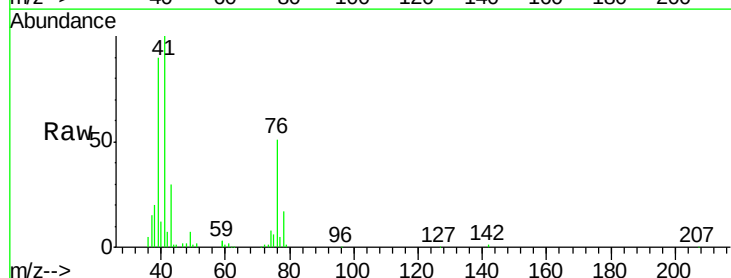
Tgt Ion: 41 Resp: 302516

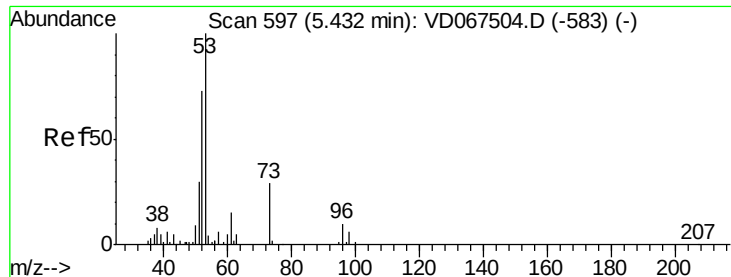
Ion Ratio Lower Upper

41 100

39 84.5 67.4 101.0

76 50.5 42.2 63.2





#15

Acrylonitrile

Concen: 477.709 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

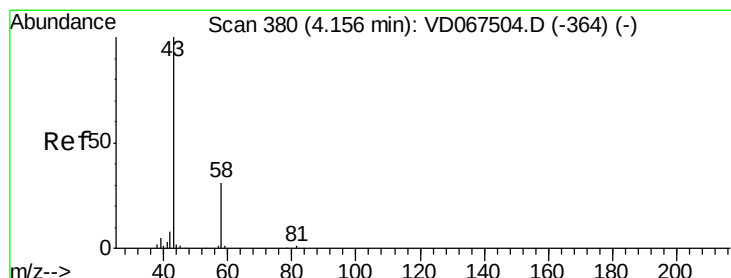
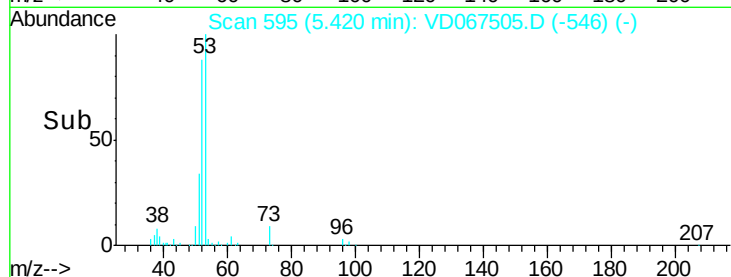
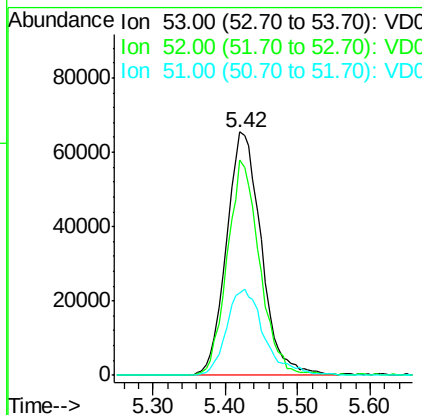
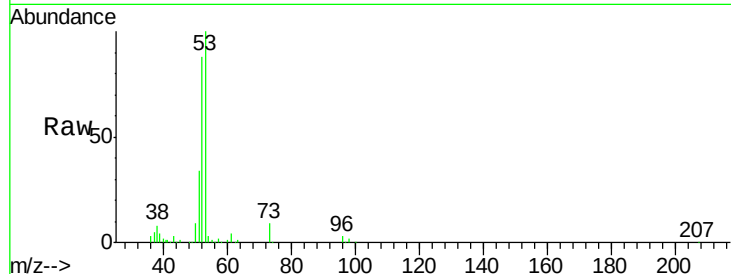
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	218655
Ion Ratio	Lower	Upper	
53	100		
52	82.3	64.8	97.2
51	37.8	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 518.464 ug/l

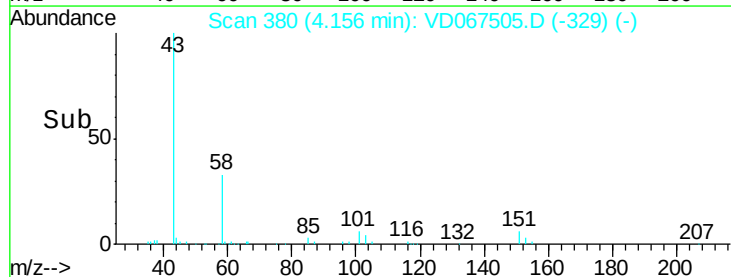
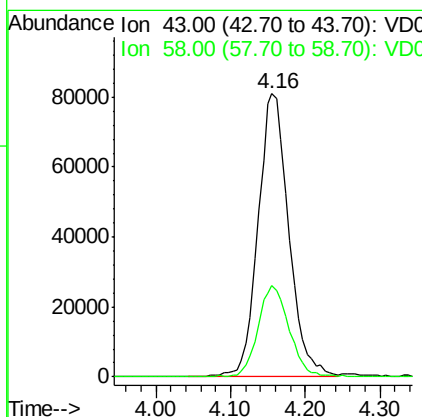
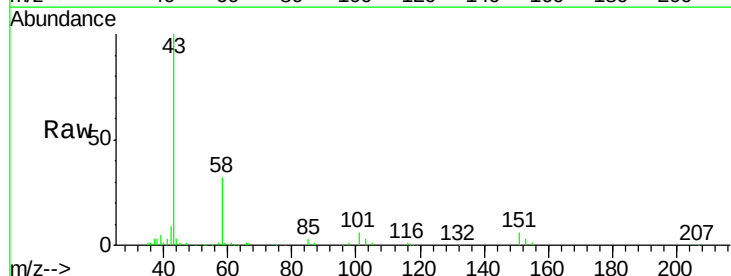
RT: 4.16 min Scan# 380

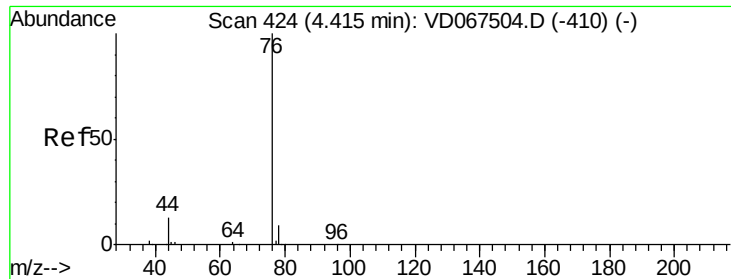
Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Tgt Ion:	43	Resp:	231903
Ion Ratio	Lower	Upper	
43	100		
58	32.2	25.2	37.8





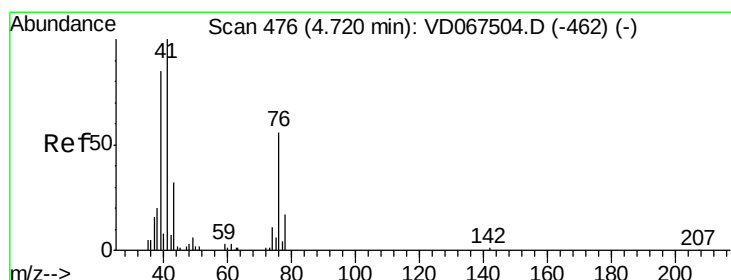
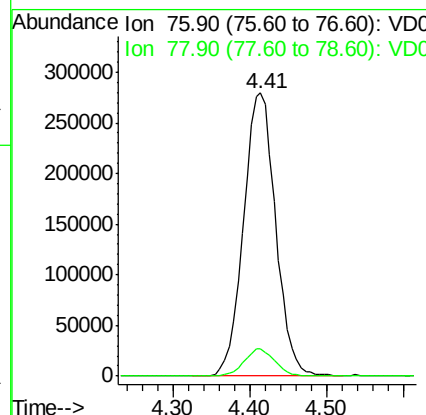
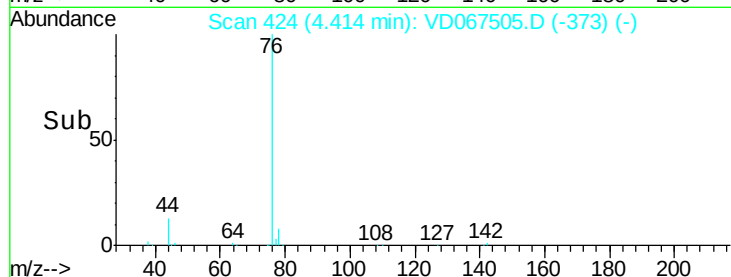
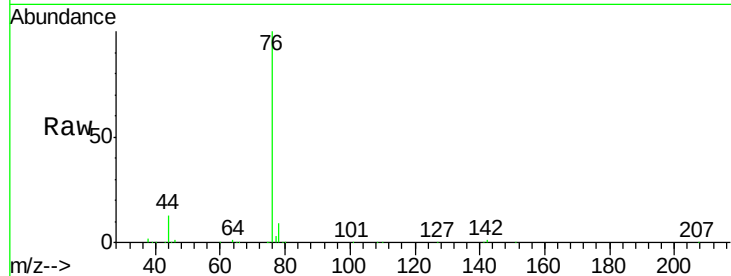
#17
Carbon Disulfide
Concen: 93.510 ug/l
RT: 4.41 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8

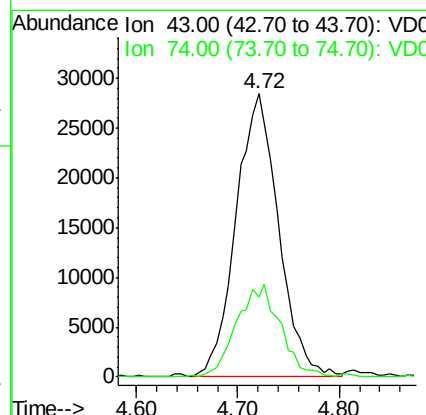
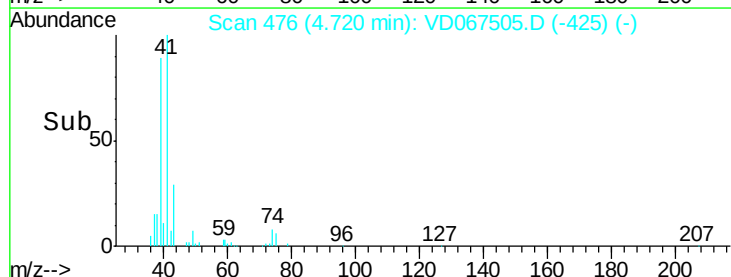
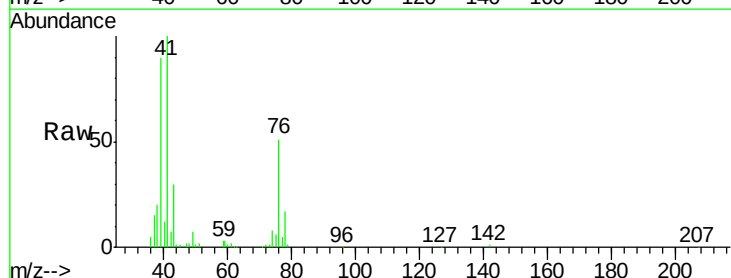
Manual Integrations
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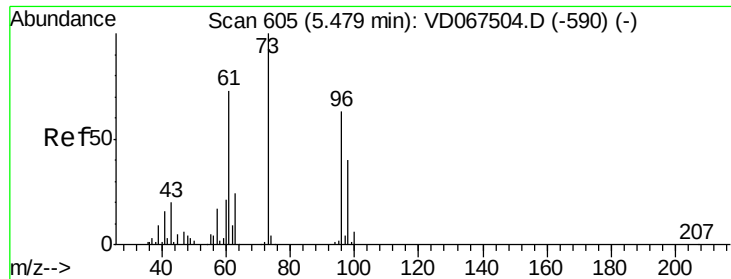
MMDadoda
11/4/2020 10:43:26 AM



#18
Methyl Acetate
Concen: 89.978 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	33.3	27.2	40.8





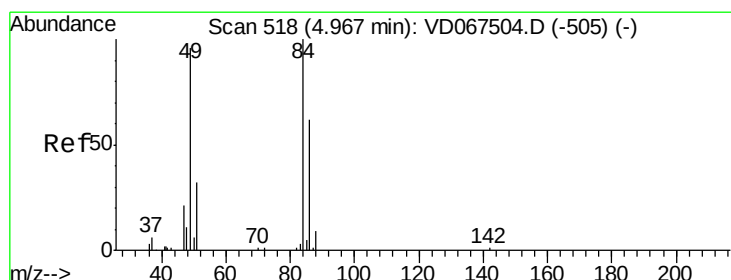
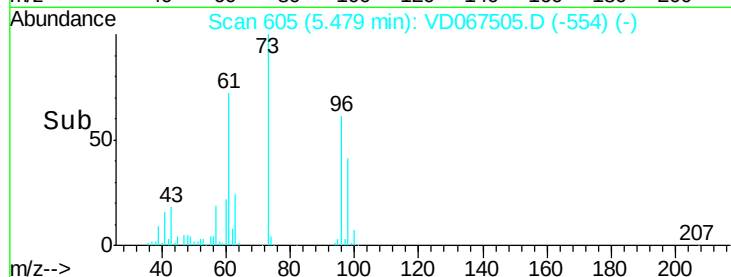
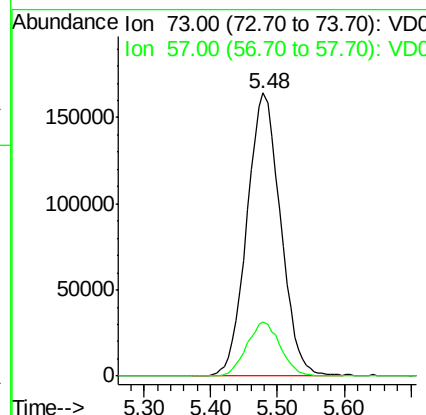
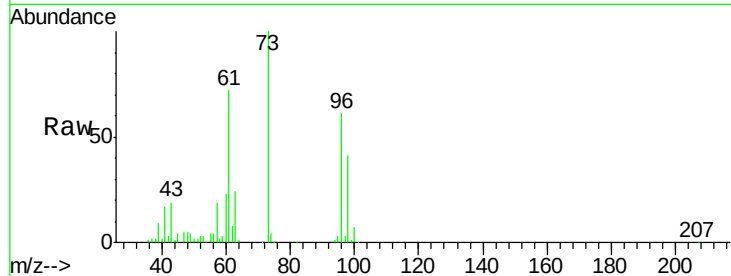
#19
Methyl tert-butyl Ether
Concen: 101.322 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 570225
Ion Ratio Lower Upper
73 100
57 19.1 13.4 20.0

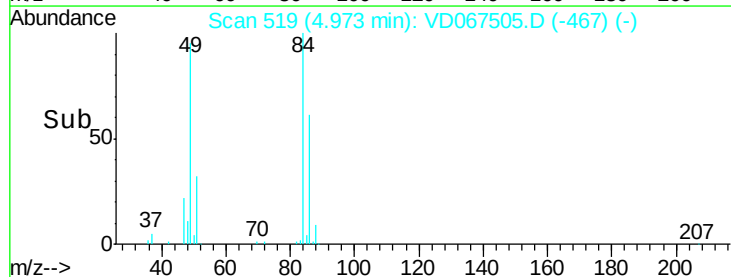
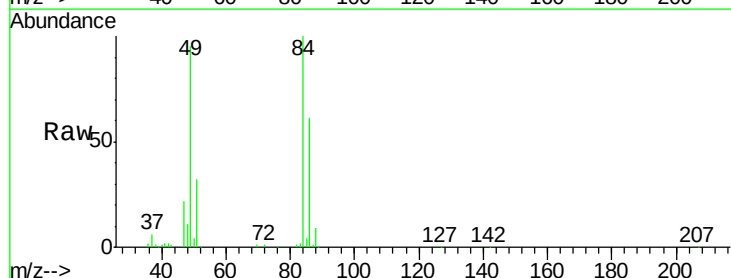
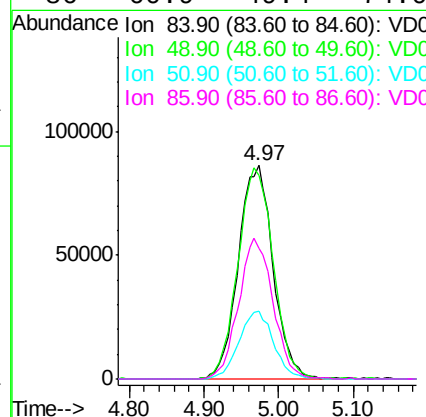
Manual Integrations
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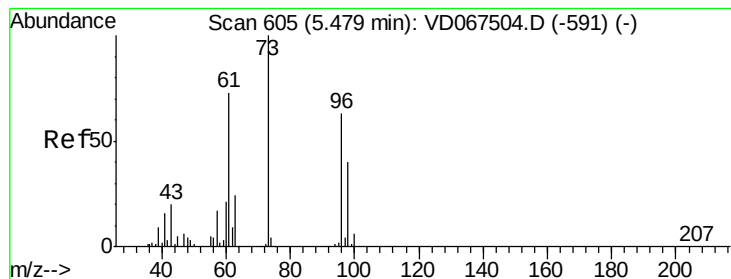
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#20
Methylene Chloride
Concen: 88.441 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 84 Resp: 279438
Ion Ratio Lower Upper
84 100
49 95.5 77.0 115.4
51 31.8 25.4 38.2
86 60.9 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 94.170 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

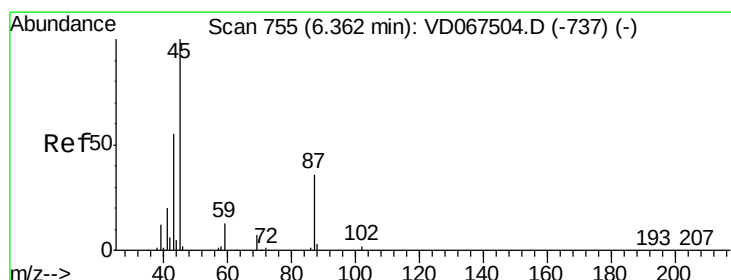
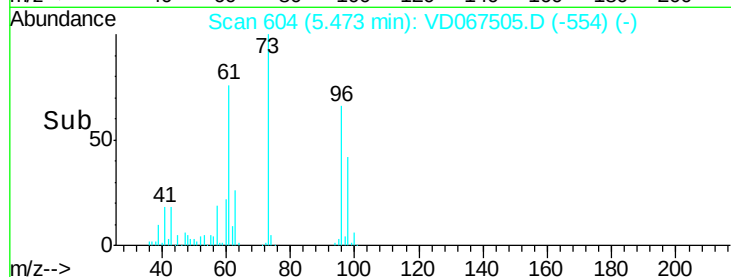
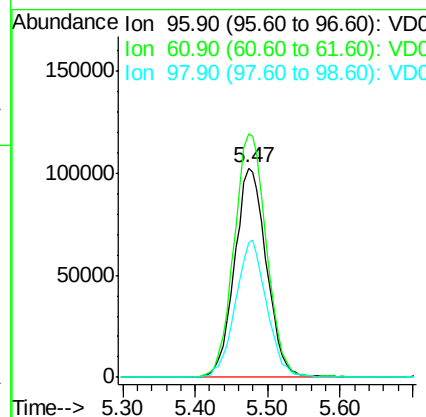
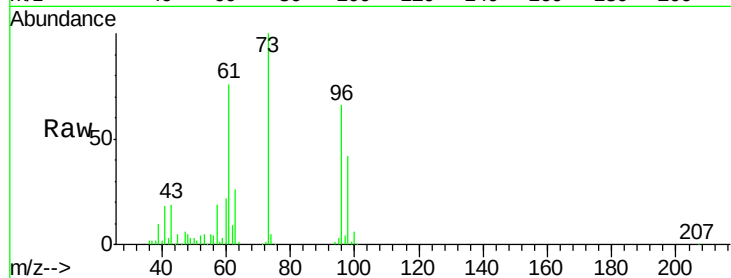
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	312942
Ion	Ratio	Lower	Upper
96	100		
61	116.3	93.0	139.6
98	64.7	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 96.522 ug/l

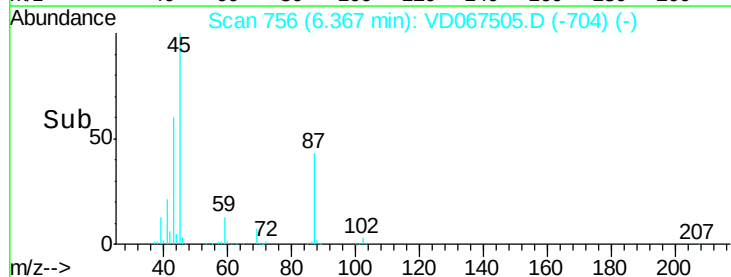
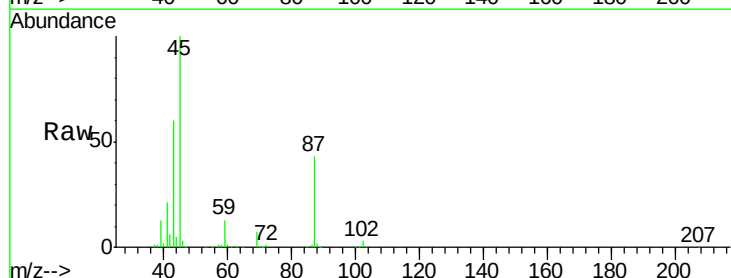
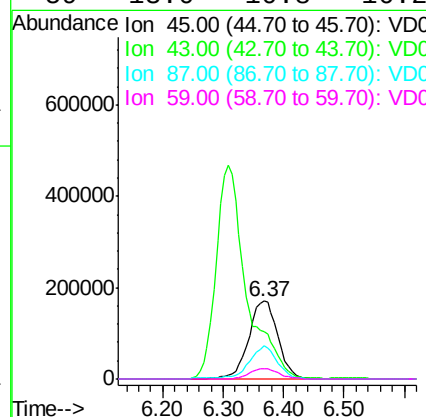
RT: 6.37 min Scan# 756

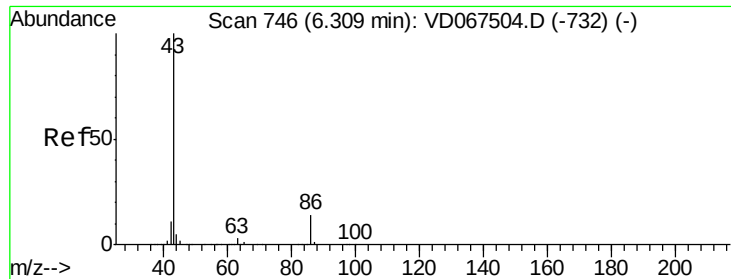
Delta R.T. 0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Tgt Ion:	45	Resp:	574368
Ion	Ratio	Lower	Upper
45	100		
43	58.7	46.2	69.4
87	42.4	29.4	44.2
59	13.0	10.8	16.2





#23

Vinyl Acetate

Concen: 522.146 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 1629514

Ion Ratio Lower Upper

43 100

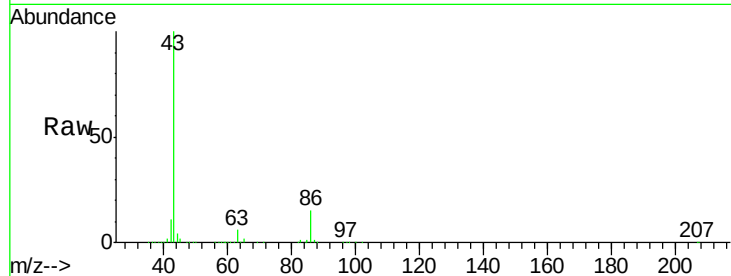
86 14.6 11.6 17.4

Manual Integrations

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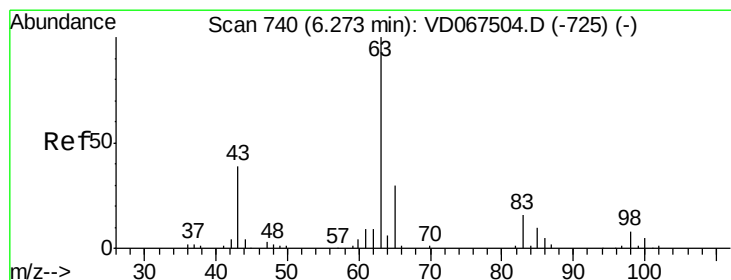
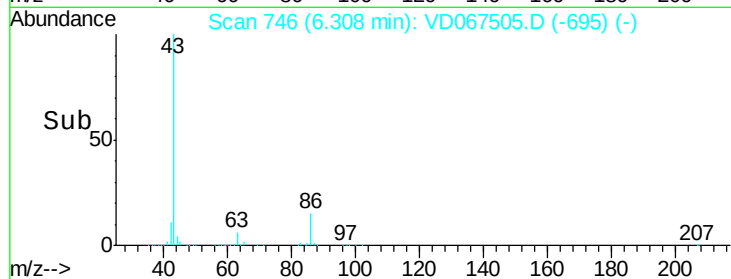
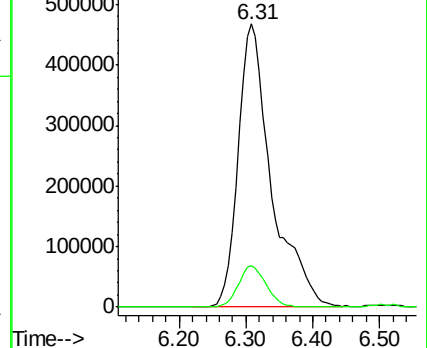
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 94.545 ug/l

RT: 6.27 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

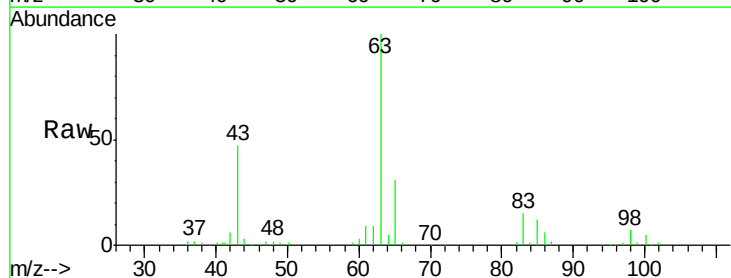
Tgt Ion: 63 Resp: 460260

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

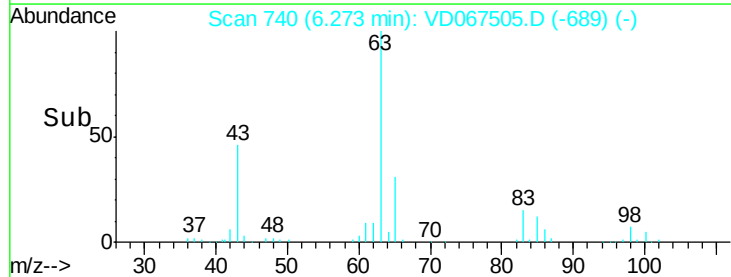
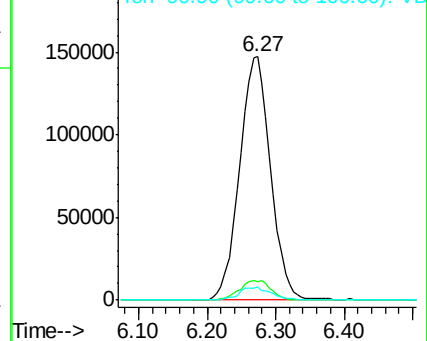
100 5.3 2.6 7.8

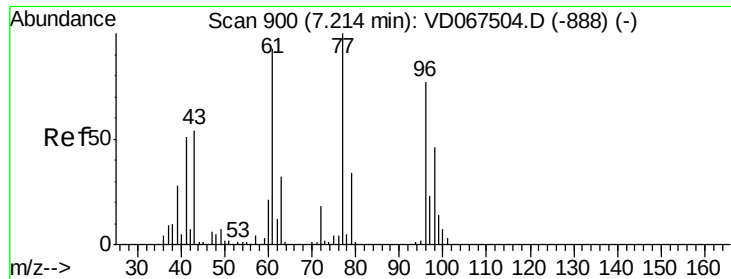


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 486.290 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 232417

Ion Ratio Lower Upper

43 100

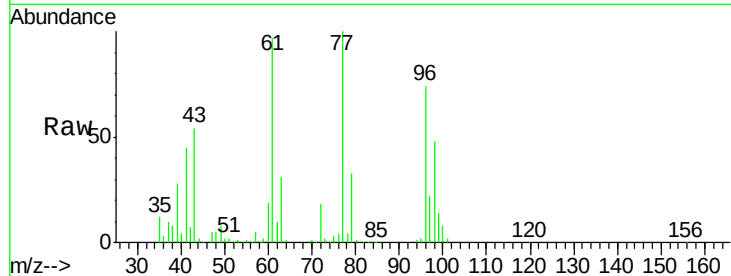
72 34.5 26.4 39.6

Manual Integrations

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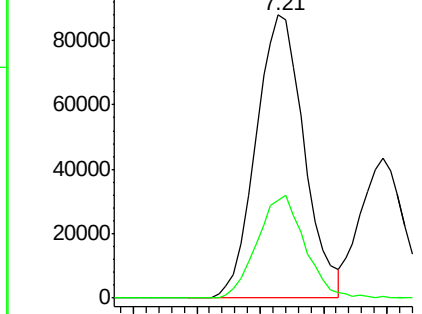
MMDadoda

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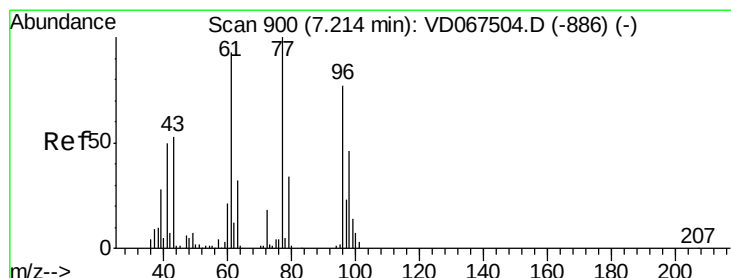
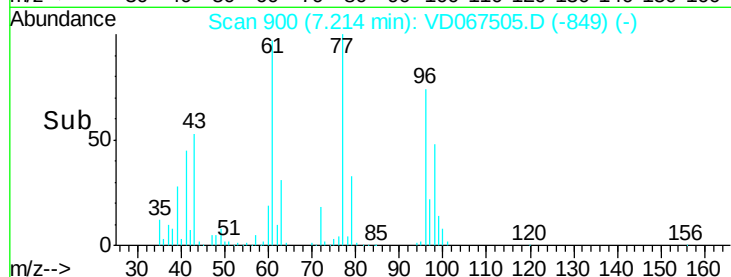


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 94.304 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067505.D

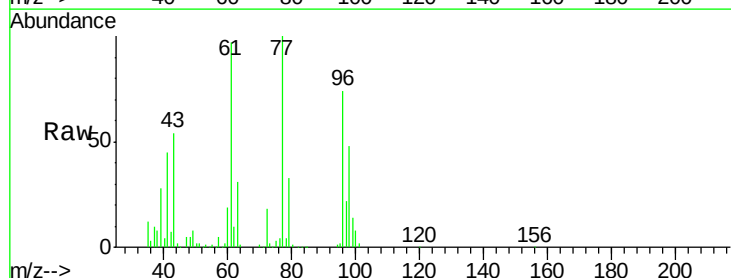
Acq: 03 Nov 2020 12:03

Tgt Ion: 77 Resp: 484517

Ion Ratio Lower Upper

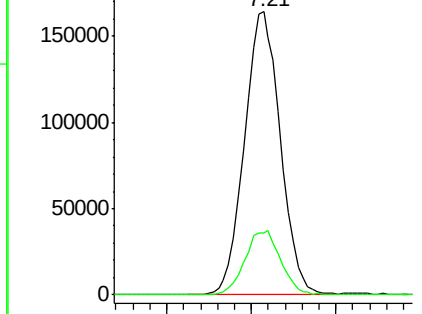
77 100

97 22.8 11.1 33.3

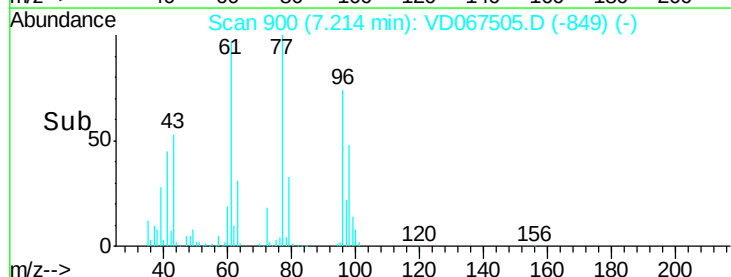


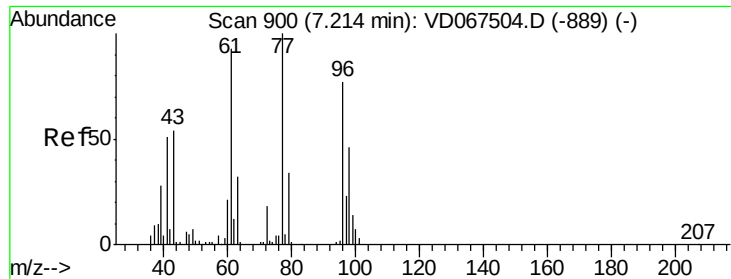
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->





#27

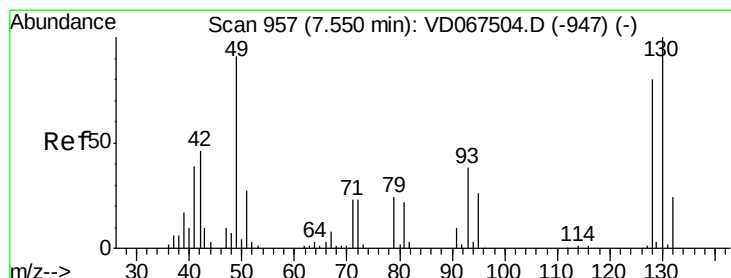
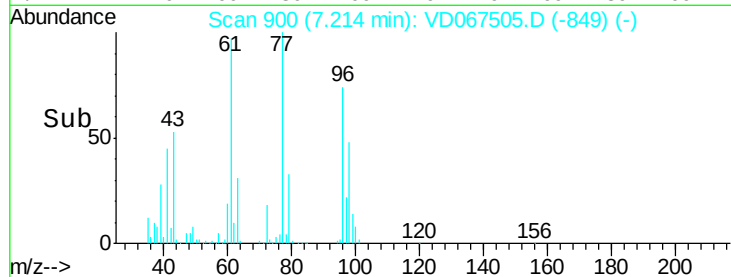
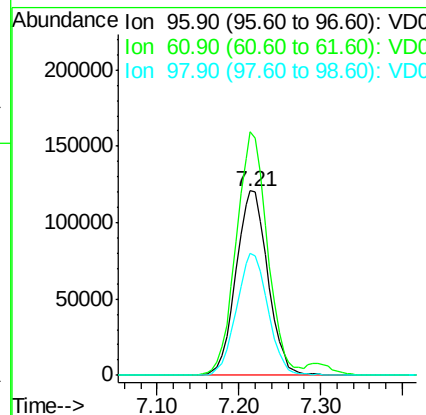
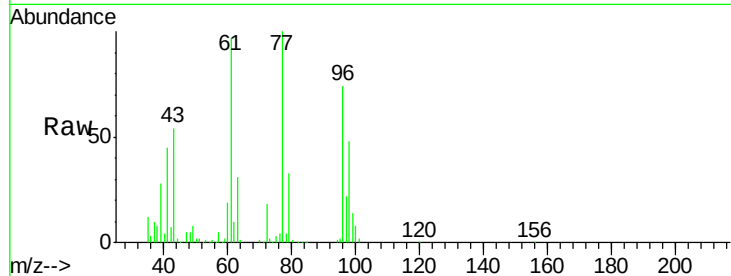
cis-1,2-Dichloroethene
 Concen: 95.143 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.5	0.0	251.6
98	65.1	0.0	128.0

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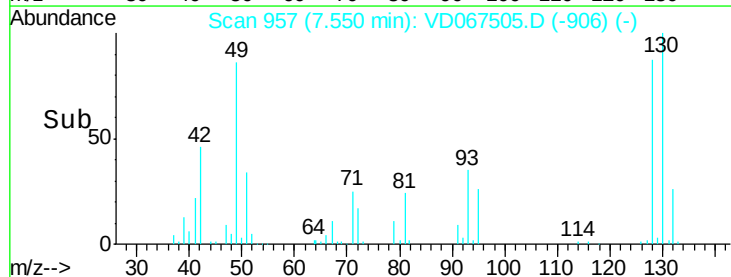
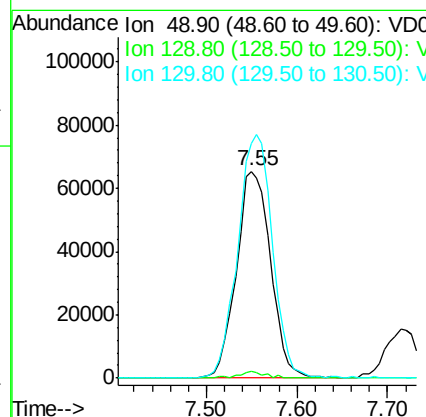
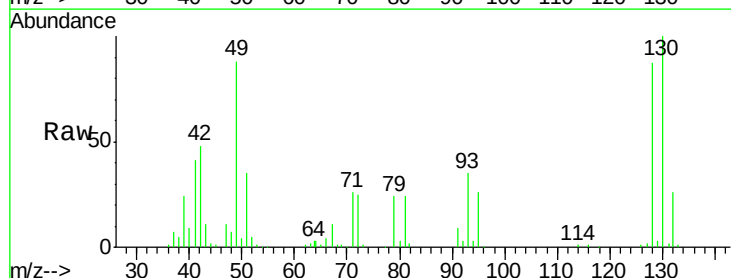
MMDadoda
 11/4/2020 10:43:26 AM

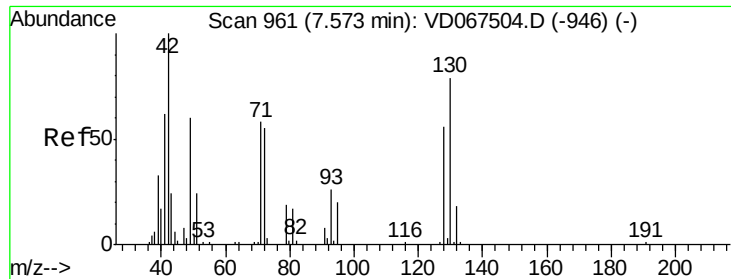


#28

Bromochloromethane
 Concen: 99.304 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	6.4
130	118.9	94.6	142.0





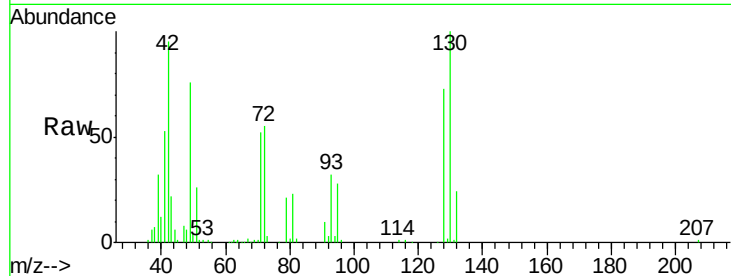
#29
Tetrahydrofuran
Concen: 488.390 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

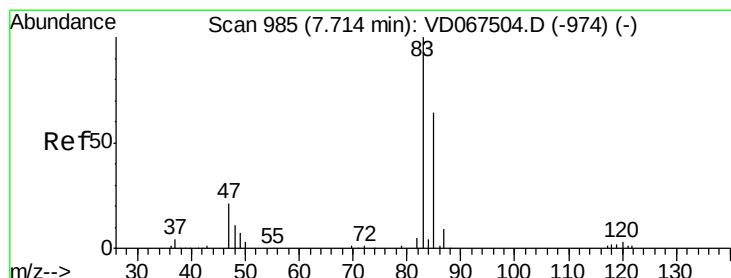
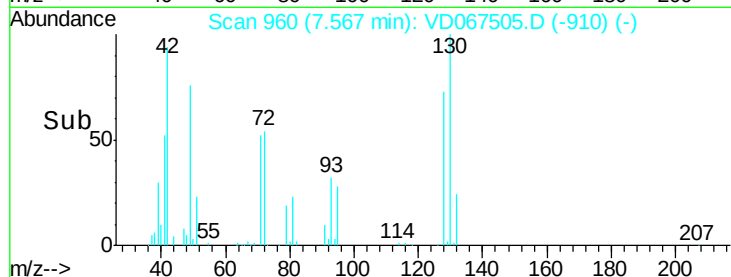
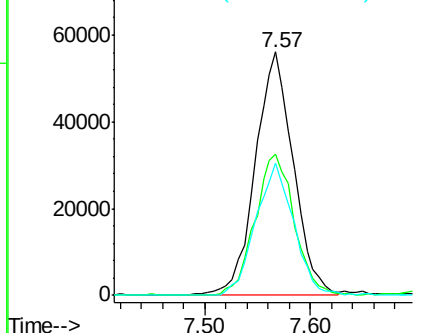
Tot Ion	Ratio	Lower	Upper
42	100		
72	60.1	46.3	69.5
71	54.2	44.0	66.0

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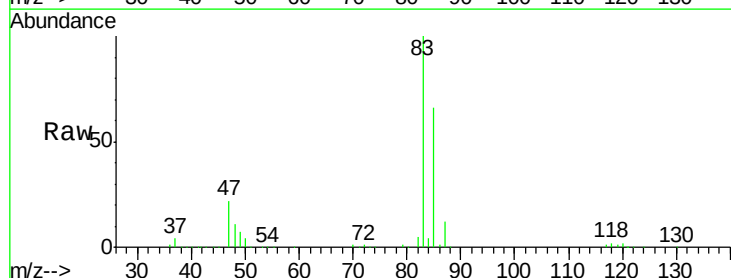


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

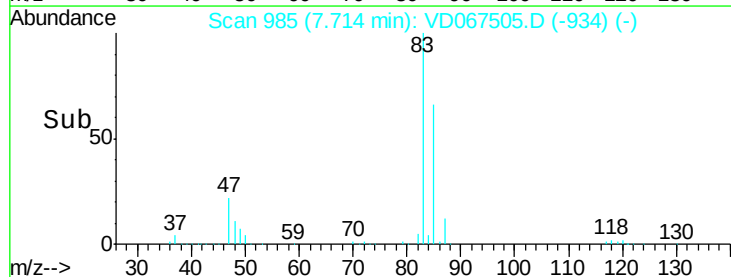
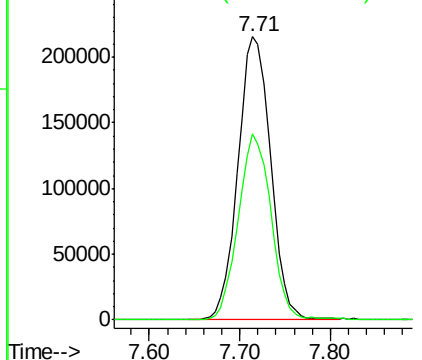


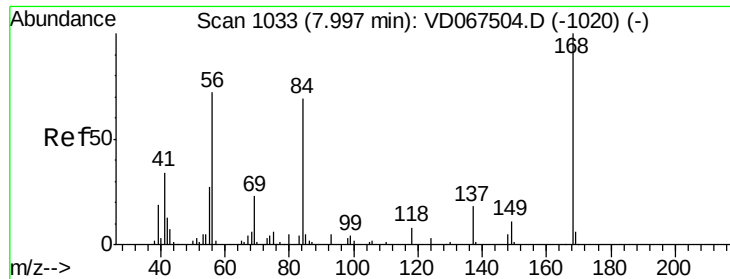
#30
Chloroform
Concen: 93.350 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





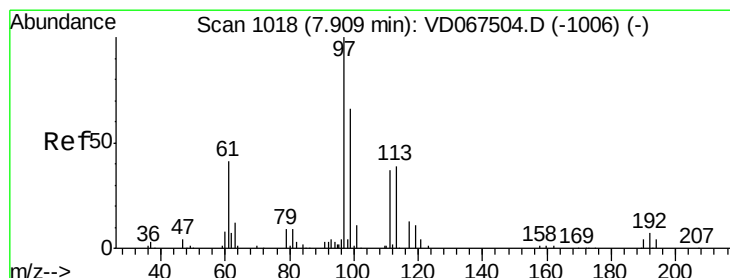
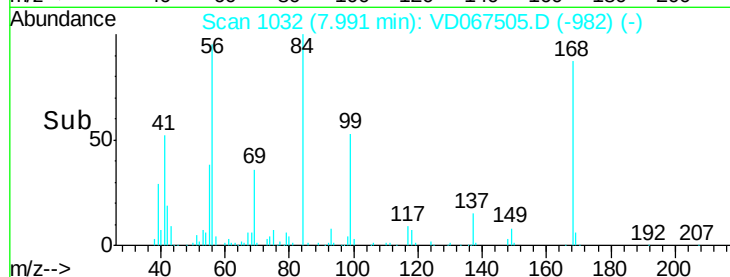
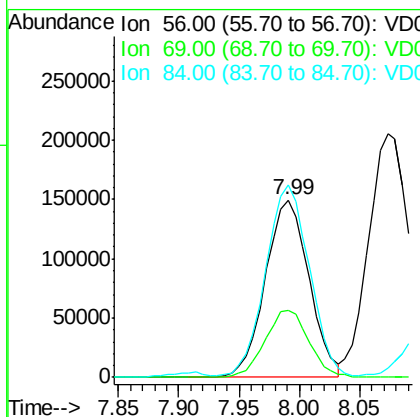
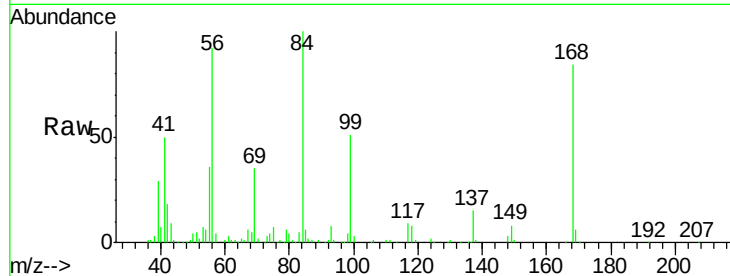
#31
Cyclohexane
Concen: 86.347 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	25.9	38.9
84	105.9	76.2	114.4

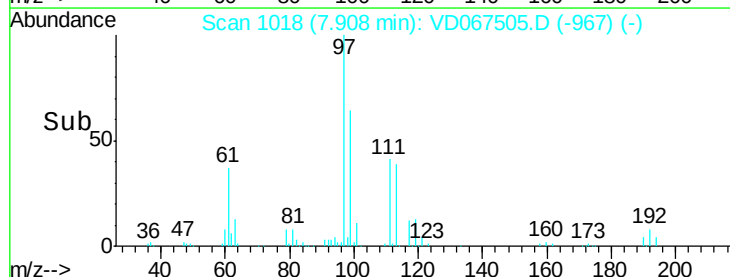
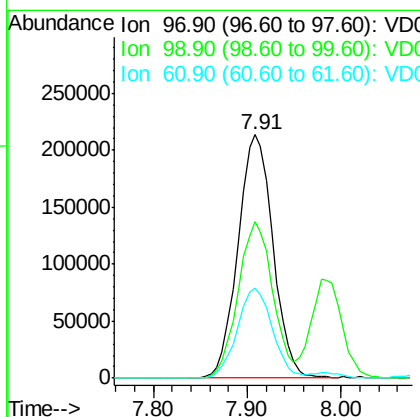
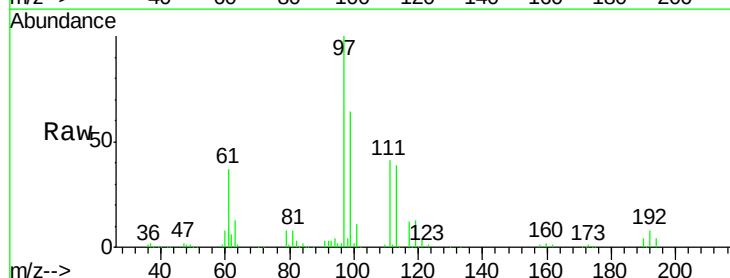
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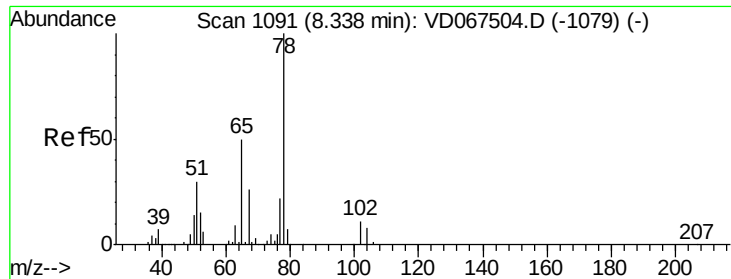
MMDadoda
11/4/2020 10:43:26 AM



#32
1,1,1-Trichloroethane
Concen: 92.058 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.6
61	37.2	30.5	45.7





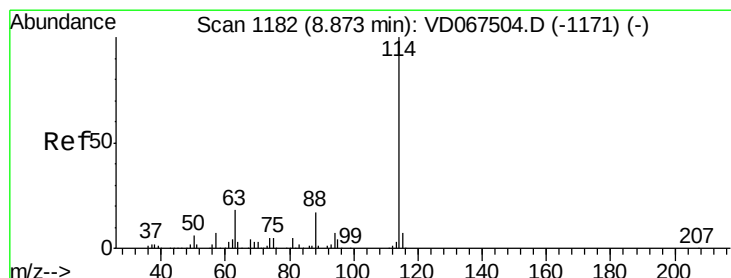
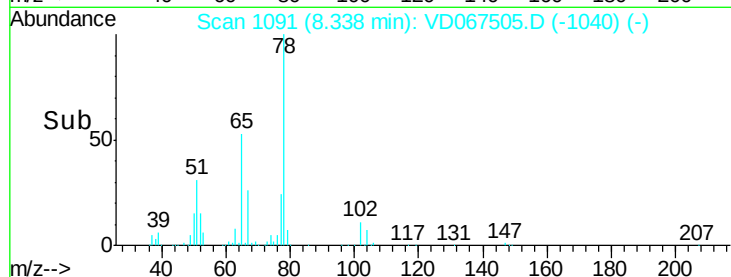
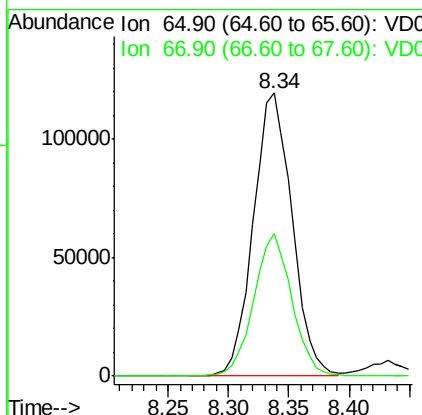
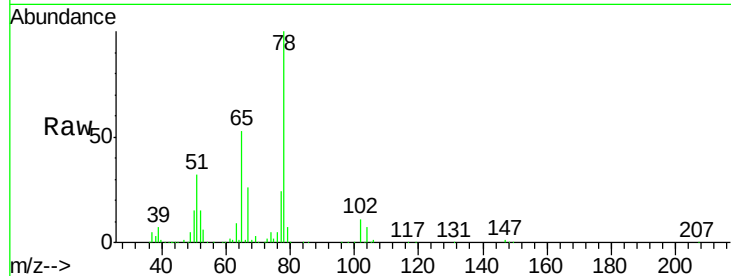
#33
 1,2-Dichloroethane-d4
 Concen: 89.451 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	267369		
67	49.7	0.0	99.4	

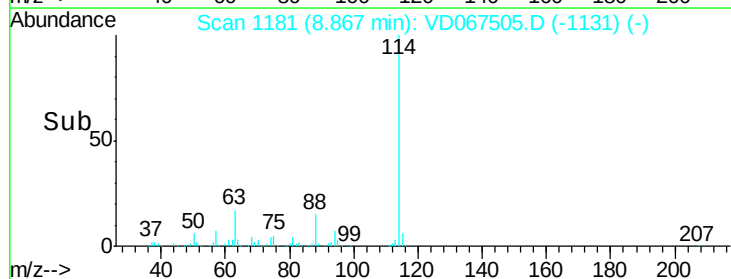
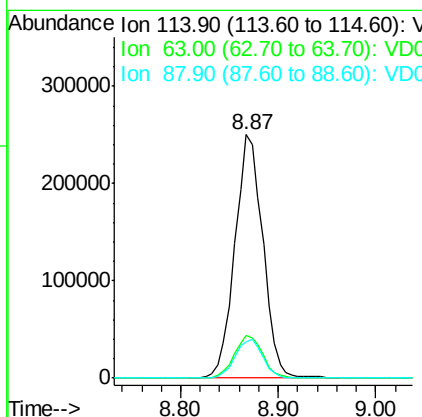
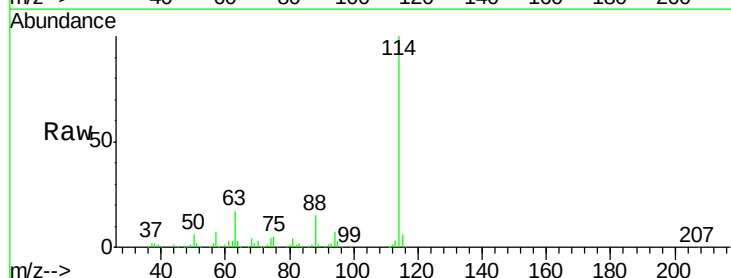
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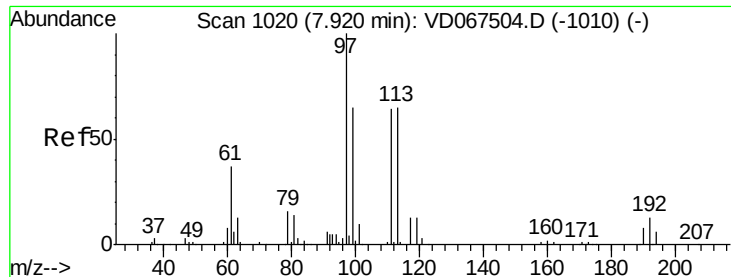
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 11/4/2020 10:43:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	500694		
63	17.4	0.0	35.0	
88	15.1	0.0	33.0	





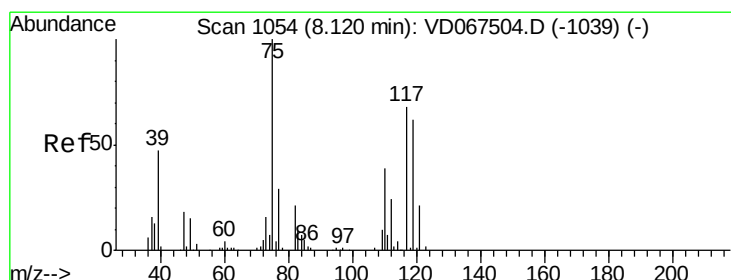
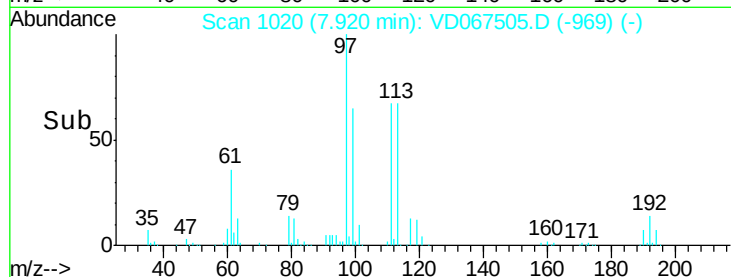
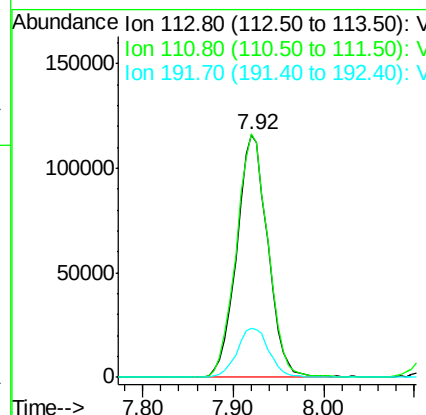
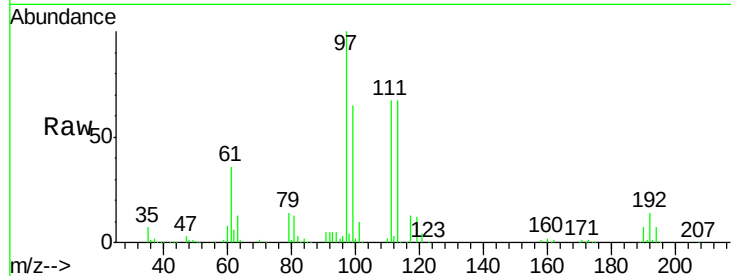
#35
 Dibromofluoromethane
 Concen: 91.737 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.0	120.0
192	20.7	16.3	24.5

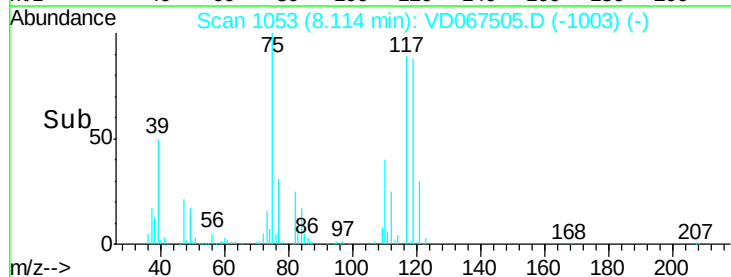
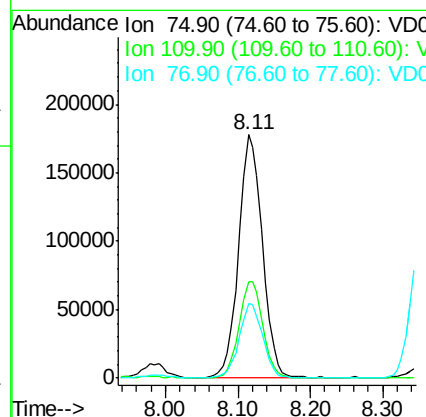
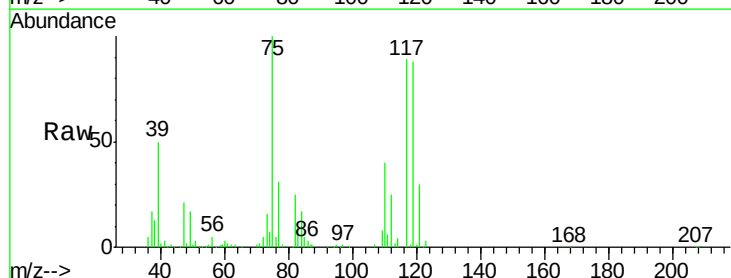
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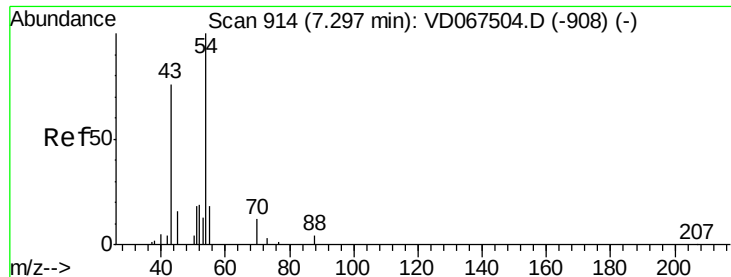
MMDadoda
 11/4/2020 10:43:26 AM



#36
 1,1-Dichloropropene
 Concen: 94.720 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.7	19.9	59.7
77	30.5	24.8	37.2





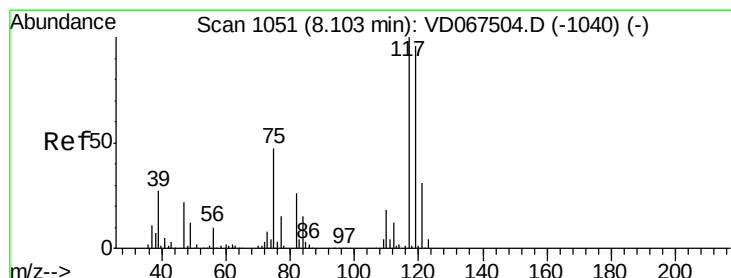
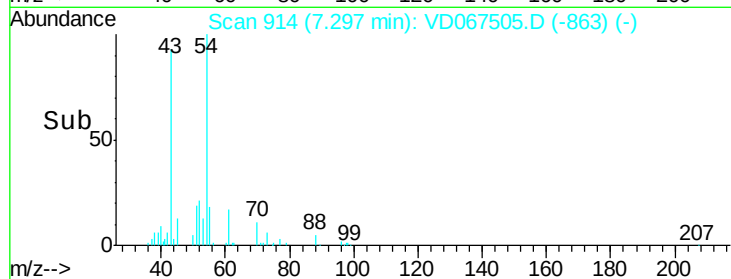
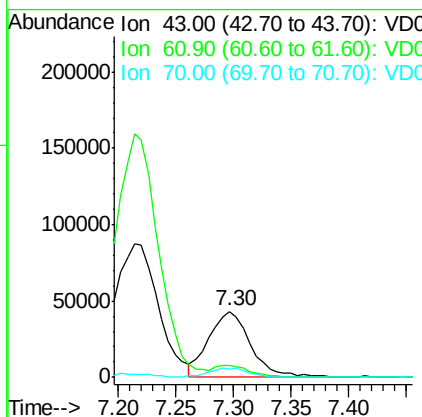
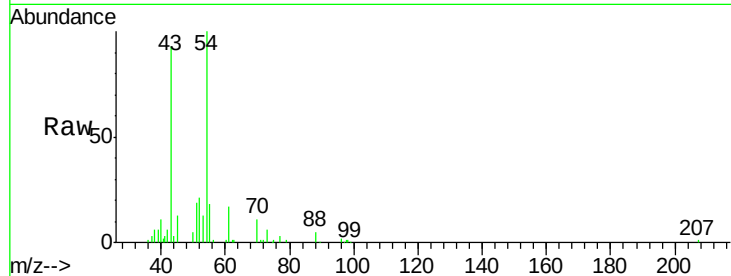
#37
Ethyl Acetate
Concen: 96.437 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.8	19.2
70	13.6	11.7	17.5

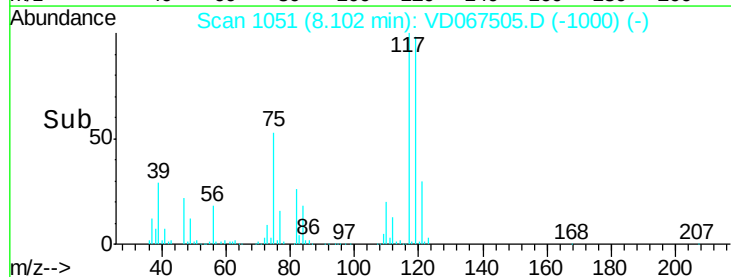
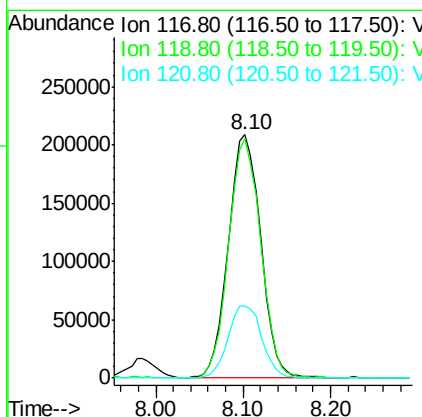
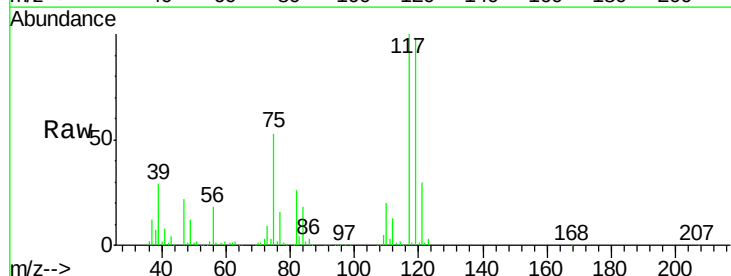
Manual Integrations
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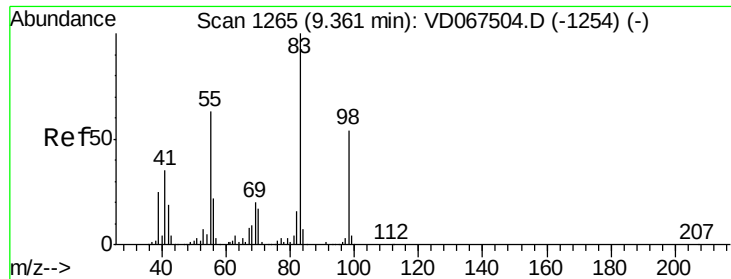
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11/4/2020 10:43:26 AM



#38
Carbon Tetrachloride
Concen: 94.131 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.9	115.3
121	29.9	24.5	36.7





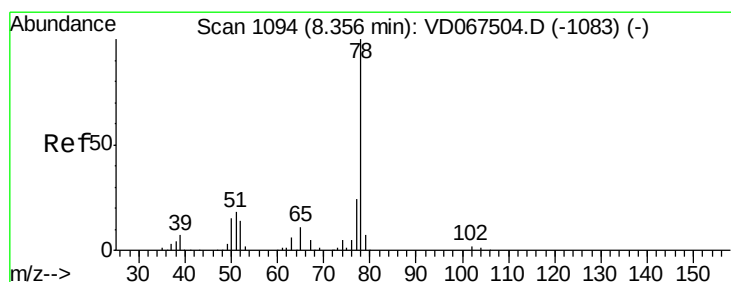
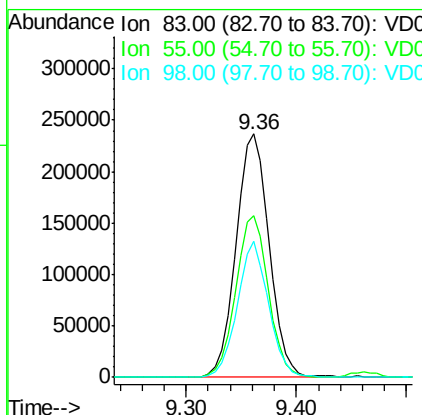
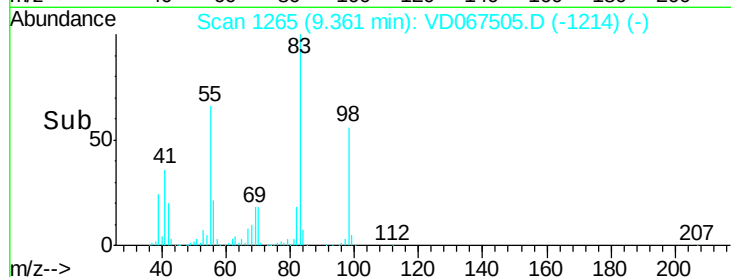
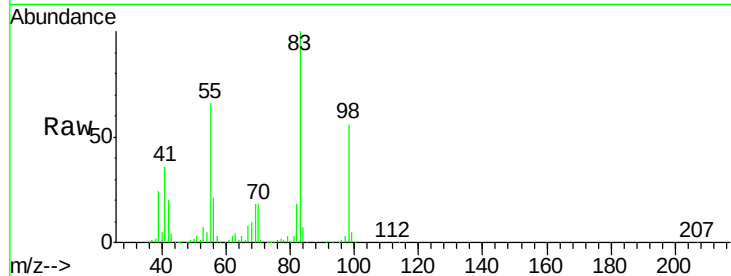
#39
Methylvlcyclohexane
Concen: 98.900 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	498887
Ion Ratio	100	Lower	Upper
83	100		
55	66.3	50.5	75.7
98	55.7	43.4	65.0

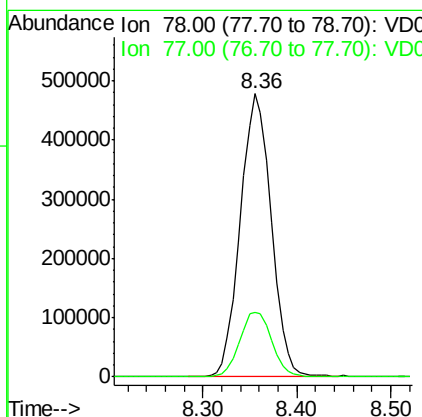
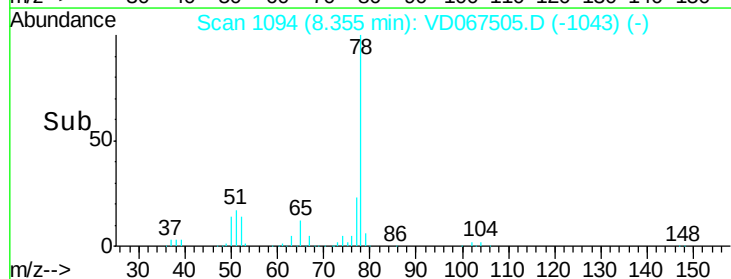
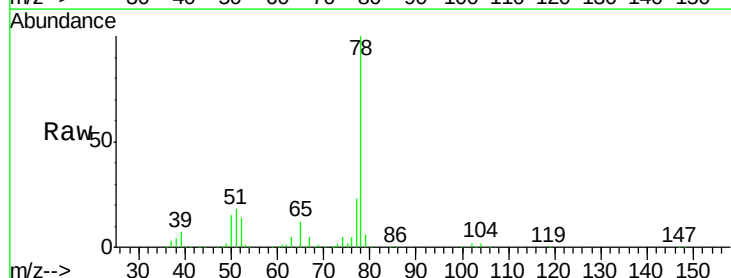
Manual Integrations
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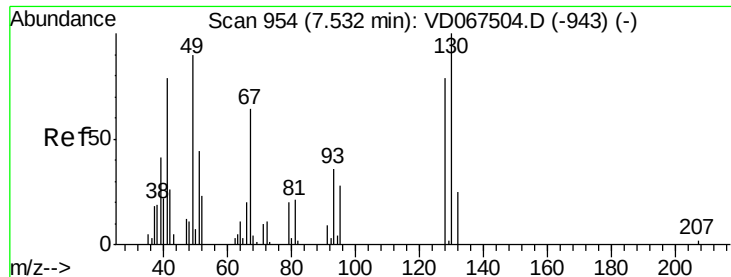
MMDadoda
11/4/2020 10:43:26 AM



#40
Benzene
Concen: 94.143 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	78	Resp	1092947
Ion Ratio	100	Lower	Upper
78	100		
77	22.7	19.1	28.7





#41

Methacrylonitrile

Concen: 107.919 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 60400

Ion Ratio Lower Upper

41 100

39 139.9 51.3 76.9#

67 0.0 78.9 118.3#

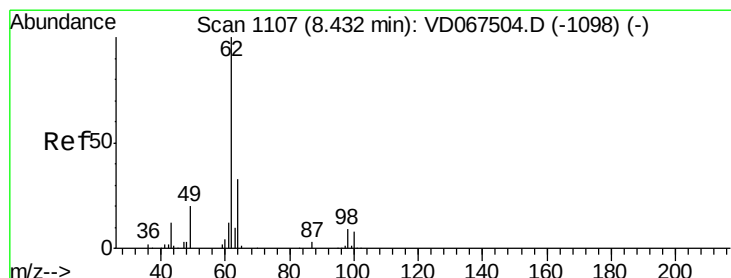
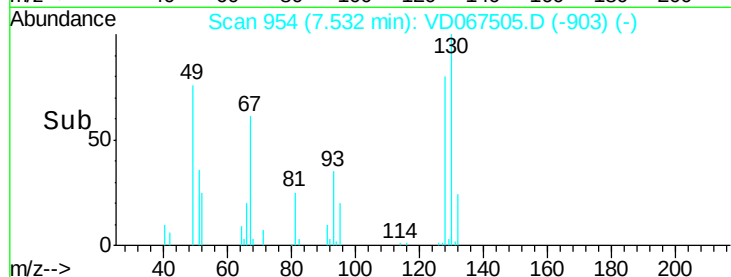
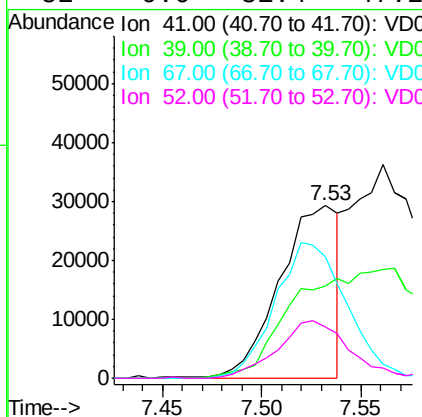
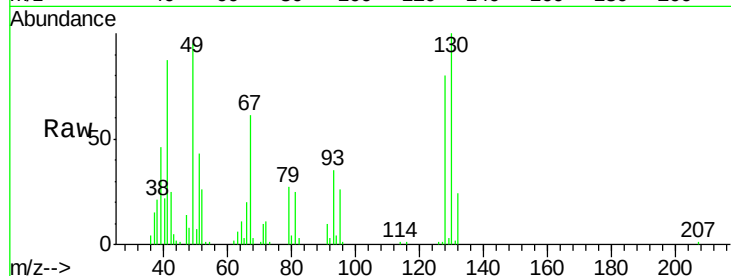
52 0.0 31.4 47.2#

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#42

1,2-Dichloroethane

Concen: 94.526 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067505.D

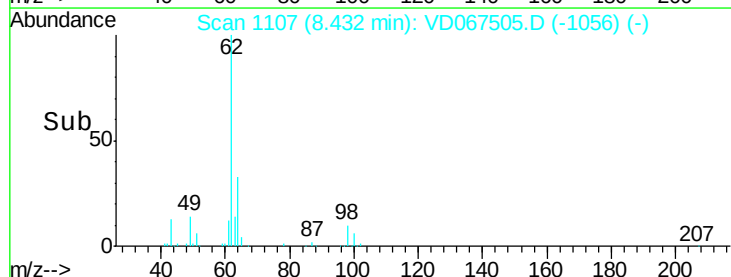
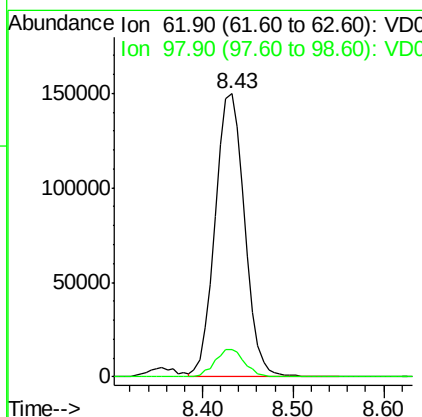
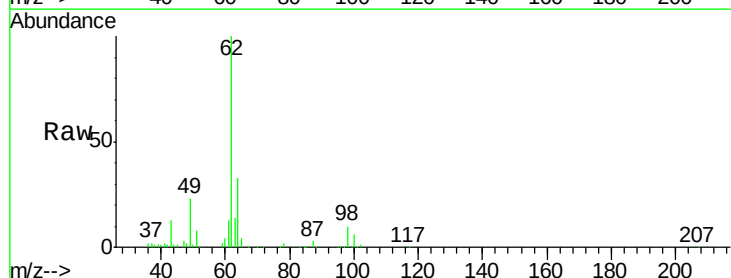
Acq: 03 Nov 2020 12:03

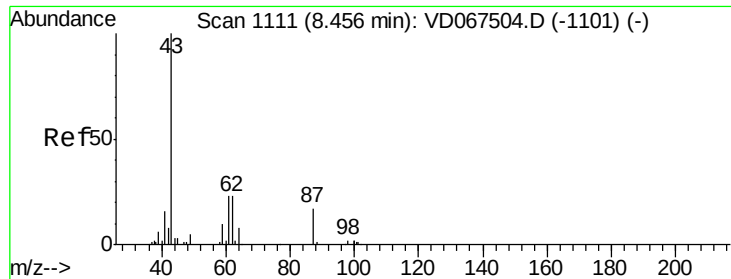
Tgt Ion: 62 Resp: 339056

Ion Ratio Lower Upper

62 100

98 9.7 0.0 19.8





#43

Isopropyl Acetate

Concen: 97.163 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

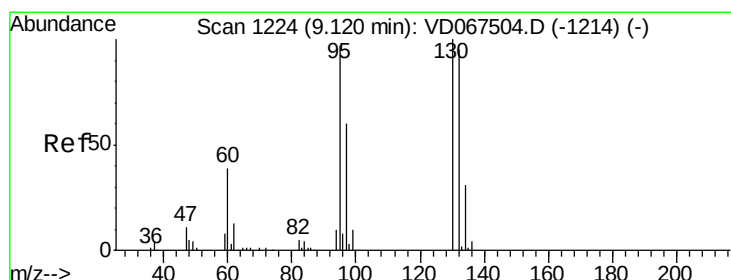
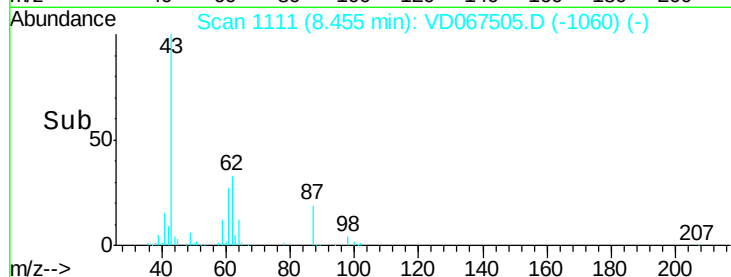
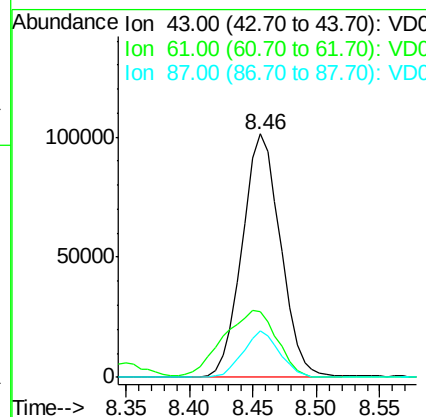
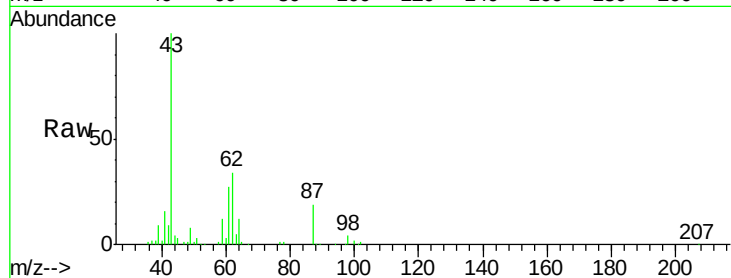
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	213812
Ion	Ratio	Lower	Upper
43	100		
61	38.7	30.5	45.7
87	18.2	14.7	22.1

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#44

Trichloroethene

Concen: 93.413 ug/l

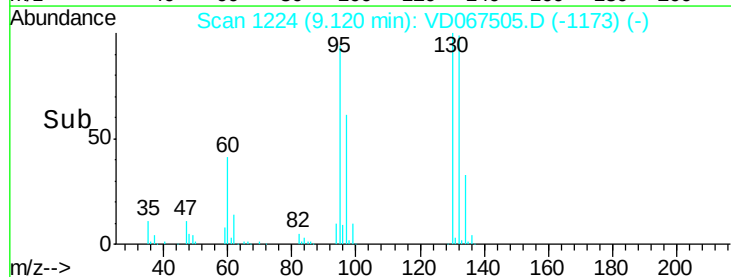
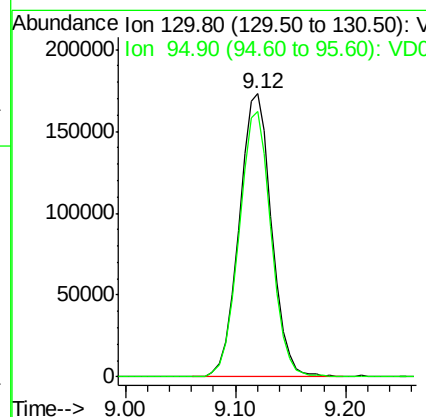
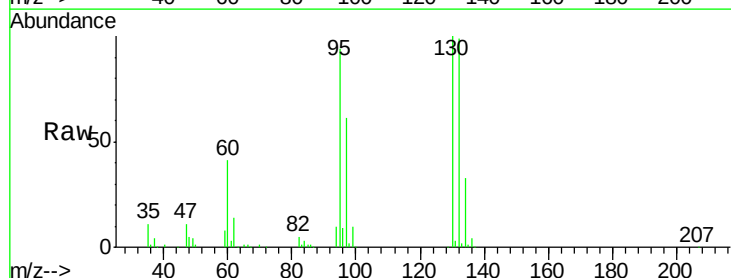
RT: 9.12 min Scan# 1224

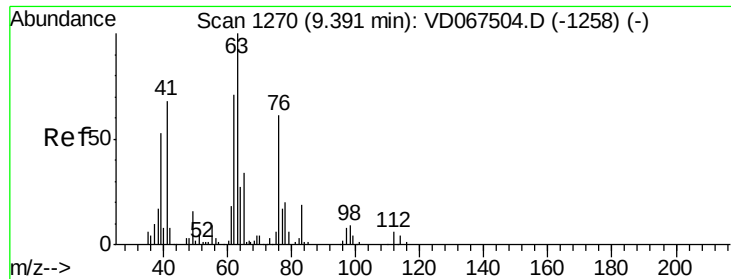
Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Tgt Ion:	130	Resp:	356579
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	194.4





#45

1,2-Dichloropropane

Concen: 95.173 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 238887

Ion Ratio Lower Upper

63 100

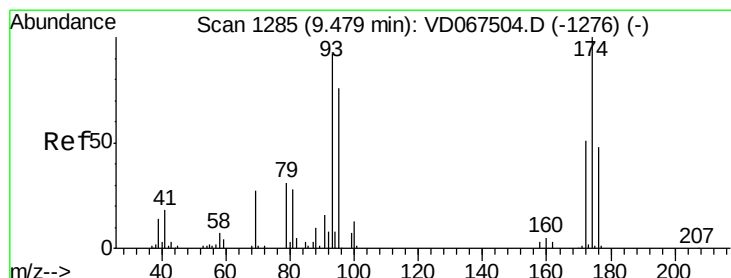
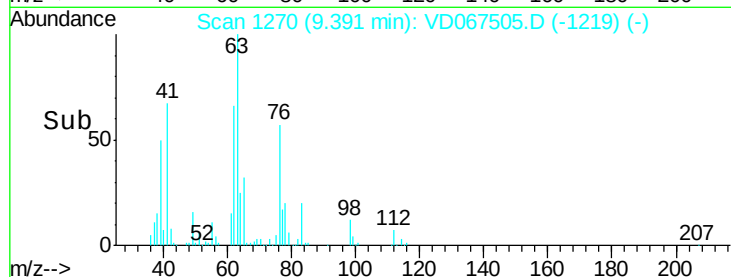
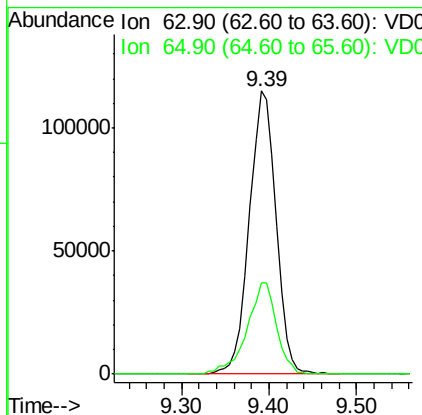
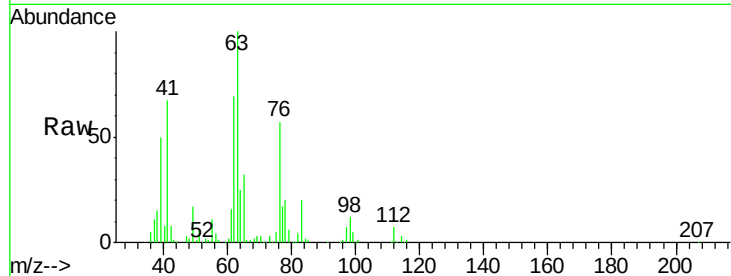
65 32.5 26.9 40.3

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#46

Dibromomethane

Concen: 93.609 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

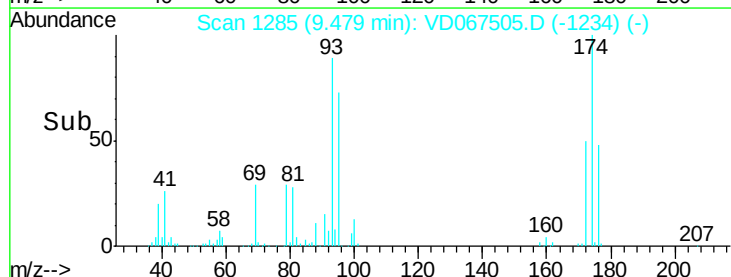
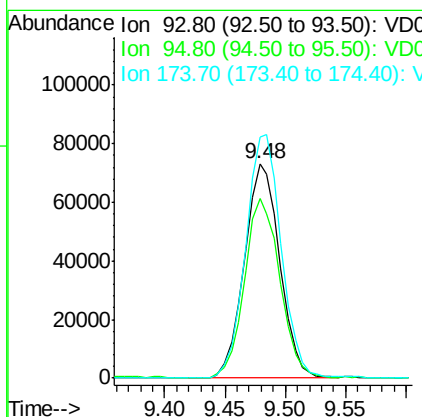
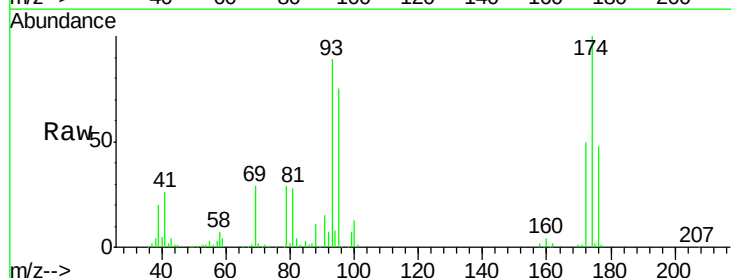
Tgt Ion: 93 Resp: 149394

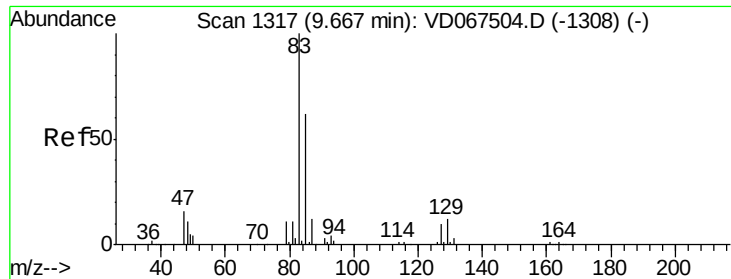
Ion Ratio Lower Upper

93 100

95 83.7 66.4 99.6

174 114.4 88.2 132.4





#47

Bromodichloromethane

Concen: 94.040 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

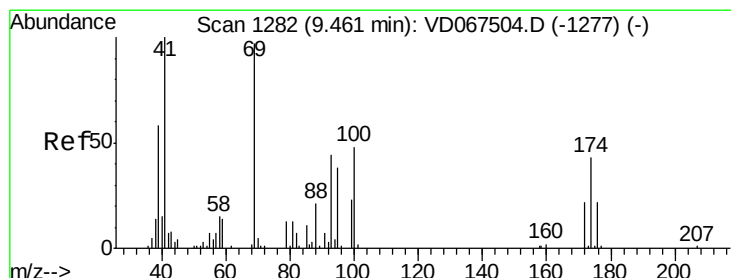
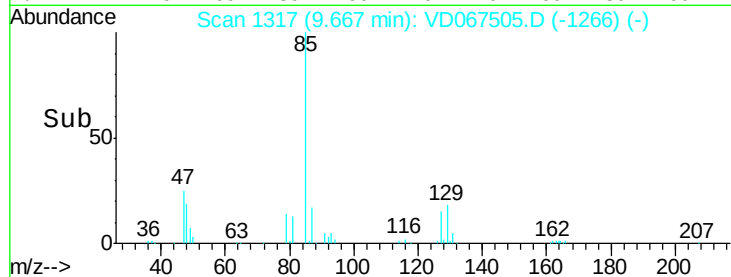
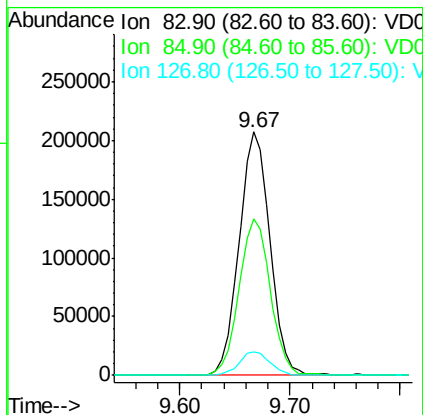
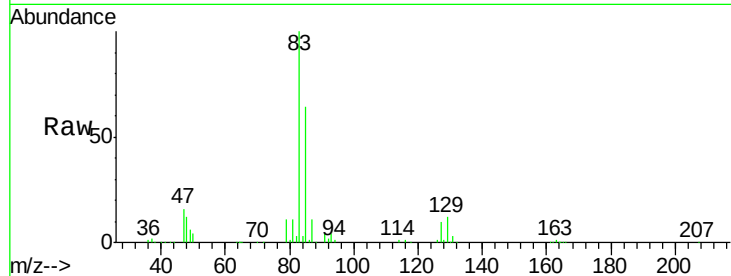
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	407926
Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.4	74.2
127	9.8	7.7	11.5

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#48

Methyl methacrylate

Concen: 95.421 ug/l

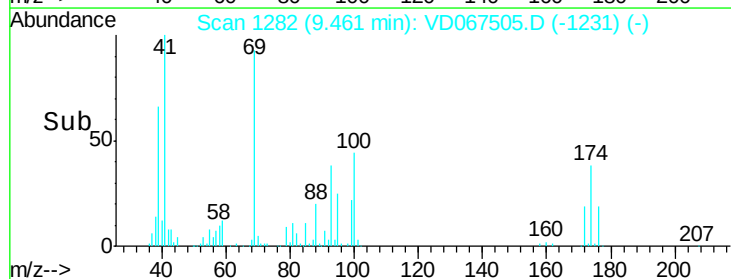
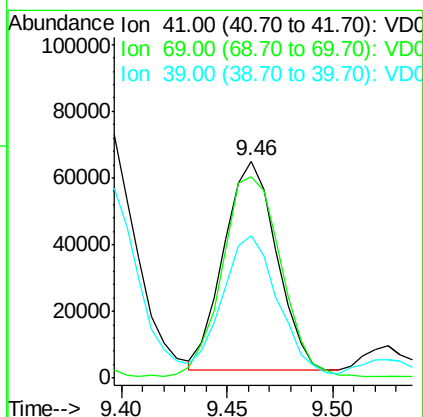
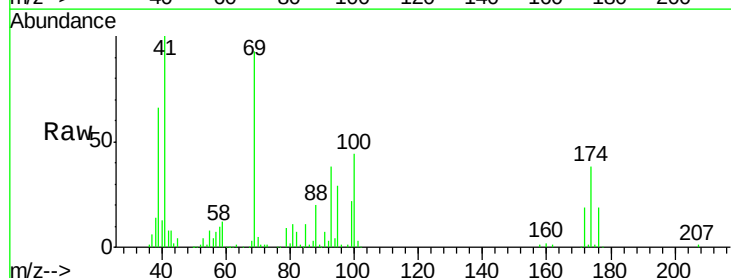
RT: 9.46 min Scan# 1282

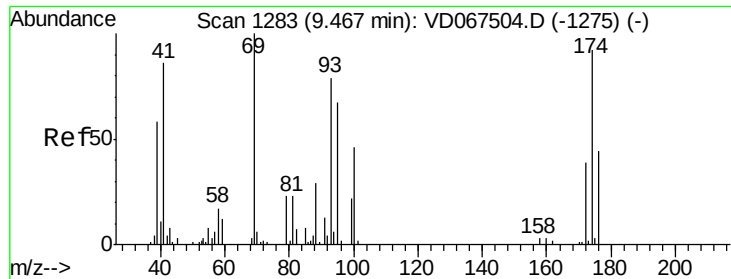
Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Tgt Ion:	41	Resp:	108417
Ion	Ratio	Lower	Upper
41	100		
69	107.7	80.6	121.0
39	69.2	50.2	75.4





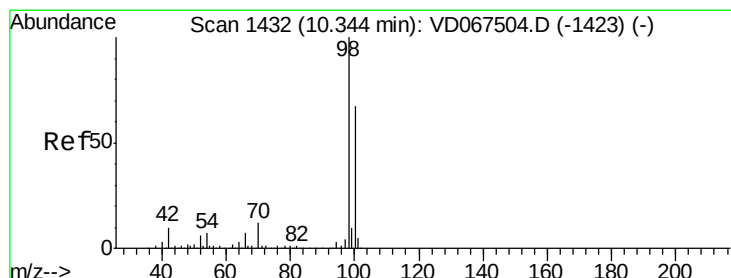
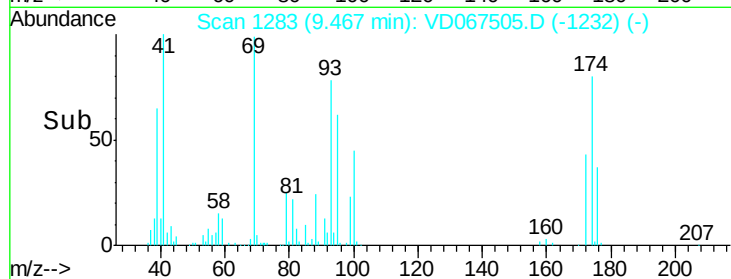
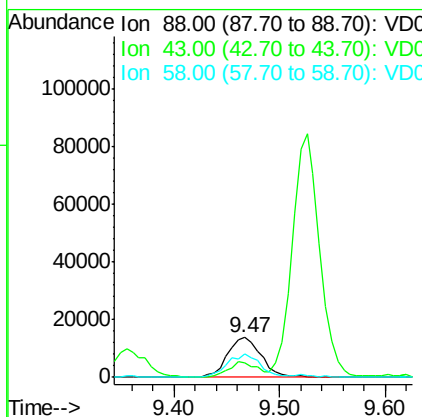
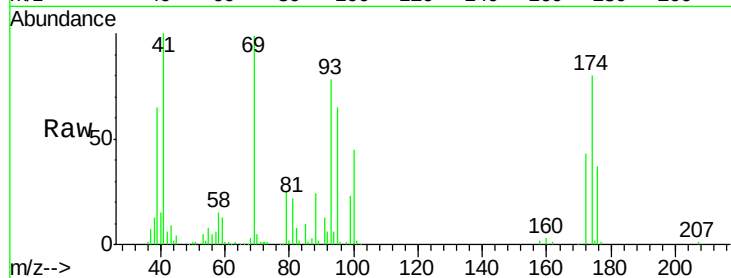
#49
1,4-Dioxane
Concen: 1862.906 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	30182
Ion	Ratio	Lower	Upper
88	100		
43	31.9	23.6	35.4
58	58.7	44.7	67.1

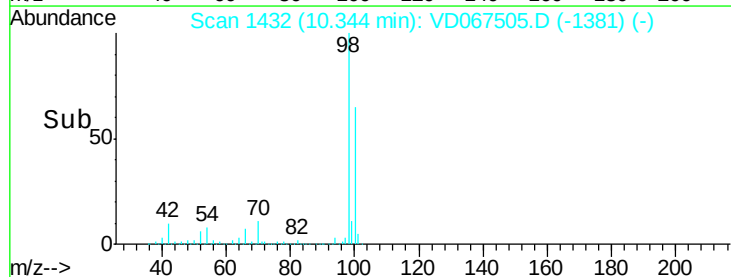
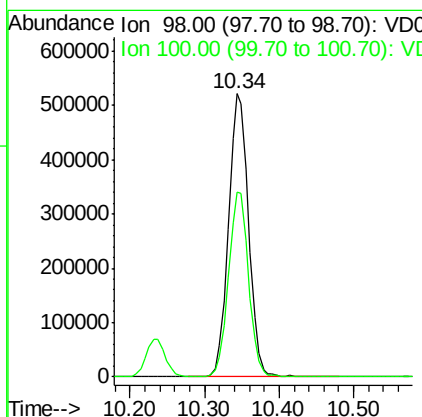
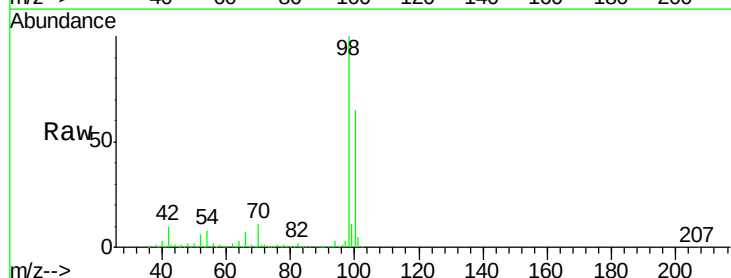
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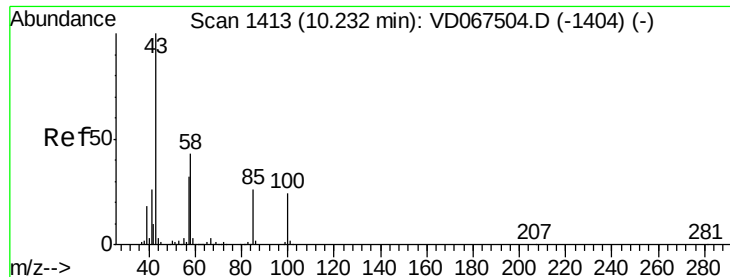
MMDadoda
11/4/2020 10:43:26 AM



#50
Toluene-d8
Concen: 91.692 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	98	Resp	972055
Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.6





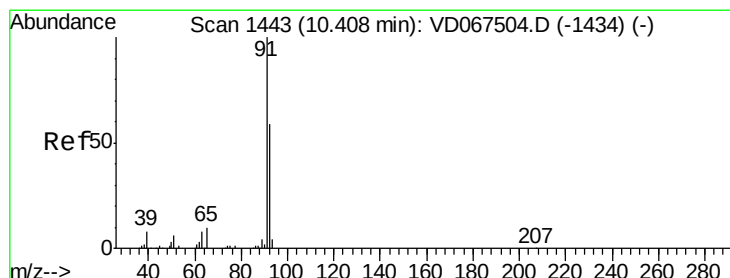
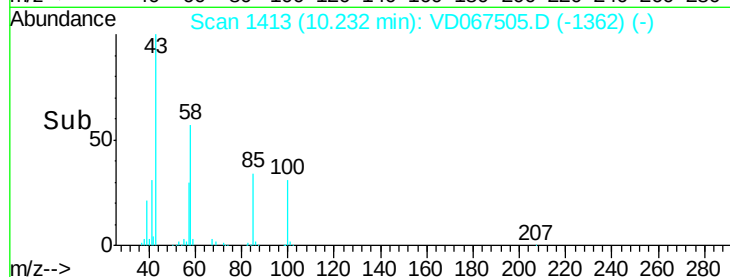
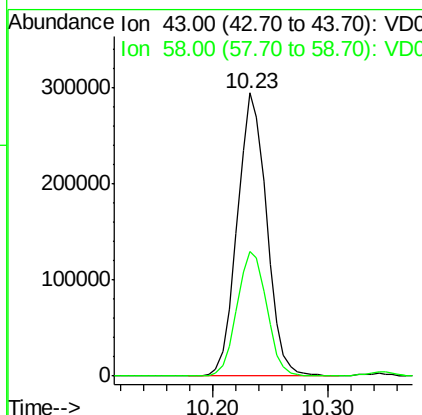
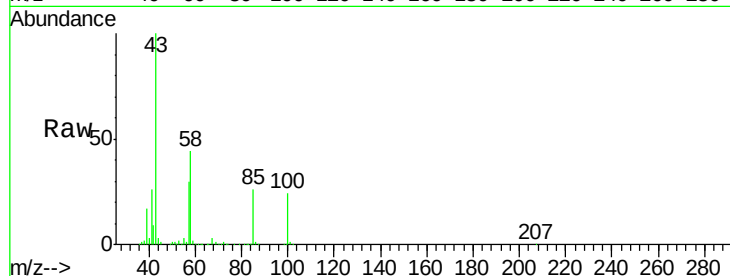
#51
4-Methyl-2-Pentanone
Concen: 493.205 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 519060
Ion Ratio Lower Upper
43 100
58 44.6 35.6 53.4

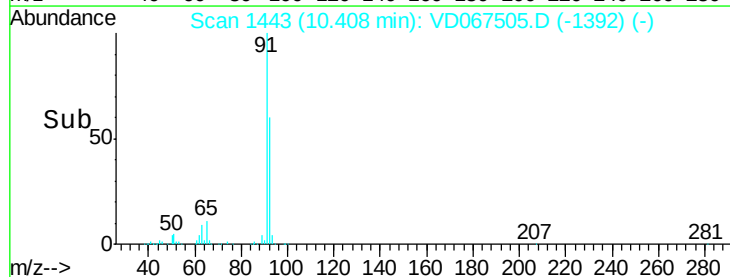
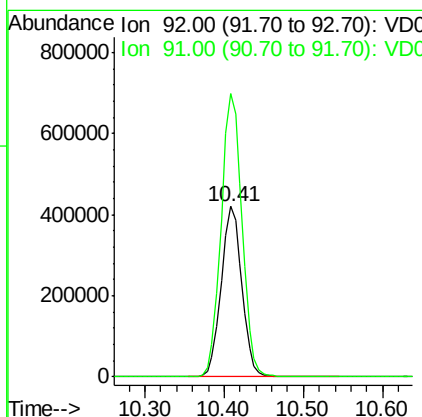
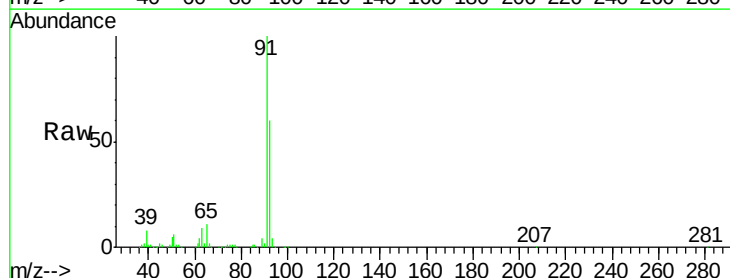
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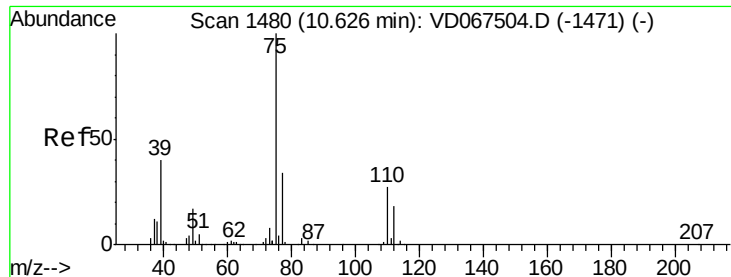
MMDadoda
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#52
Toluene
Concen: 97.613 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 92 Resp: 759031
Ion Ratio Lower Upper
92 100
91 168.1 137.0 205.6





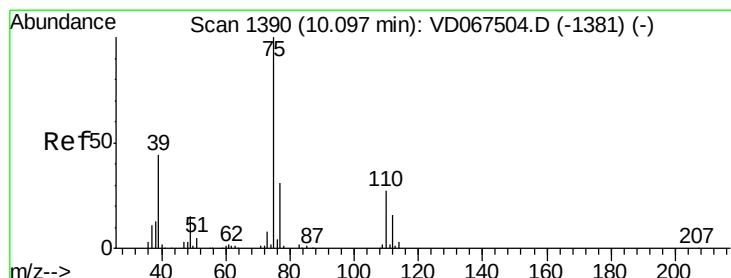
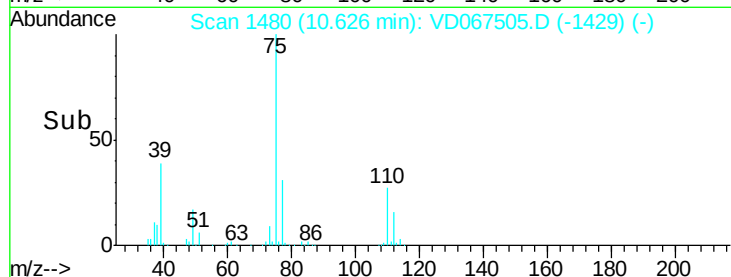
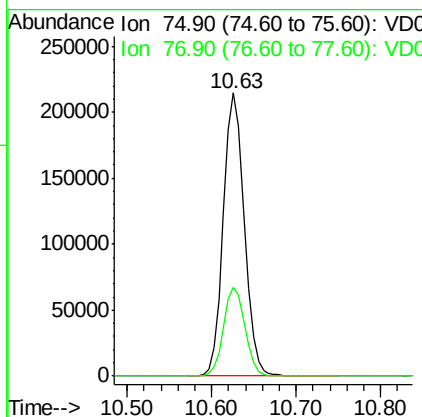
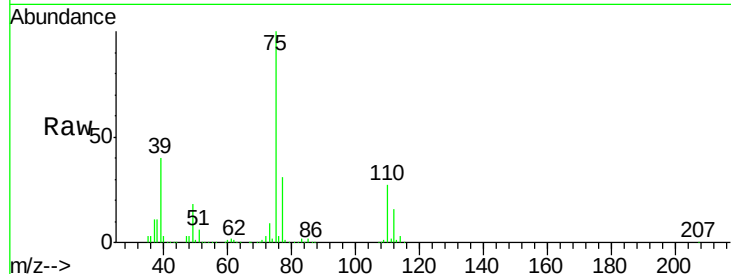
#53
t-1,3-Dichloropropene
Concen: 99.386 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	27.0	40.6

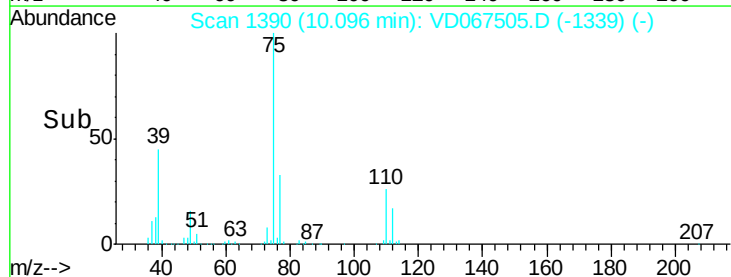
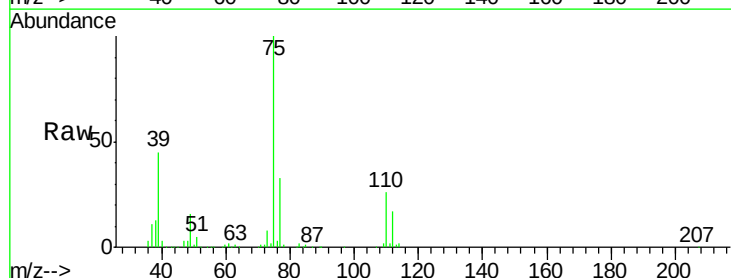
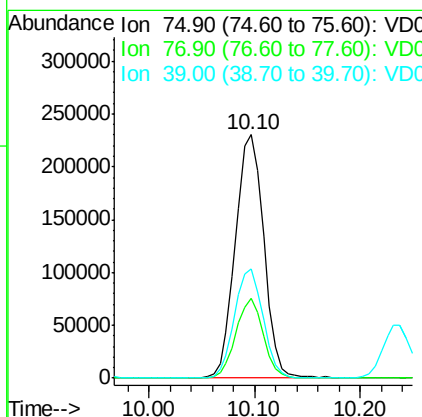
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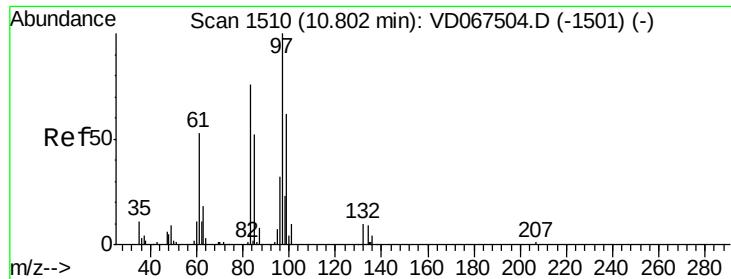
MMDadoda
11/4/2020 10:43:26 AM



#54
cis-1,3-Dichloropropene
Concen: 97.611 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.4	36.6
39	44.5	35.6	53.4





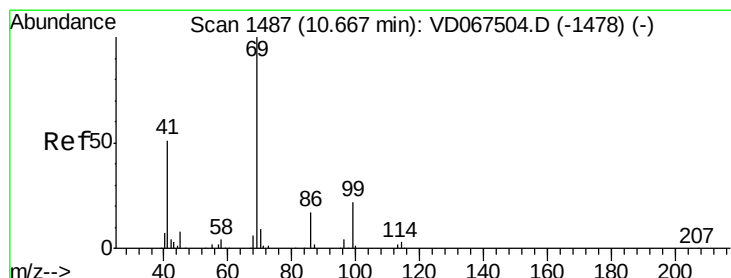
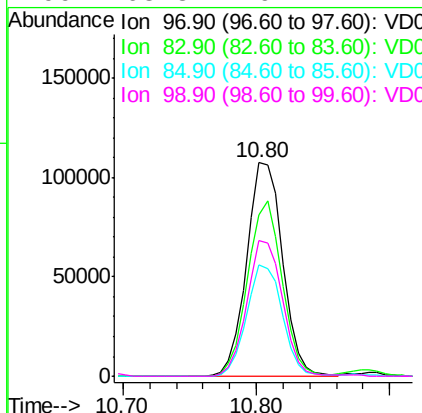
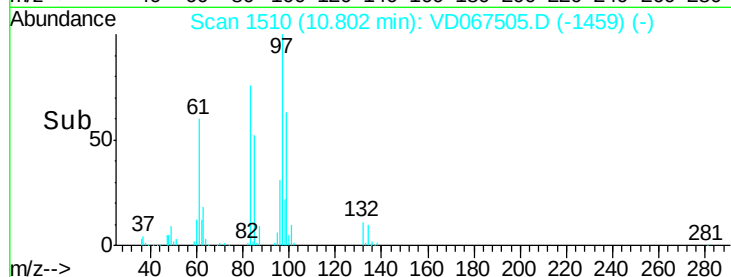
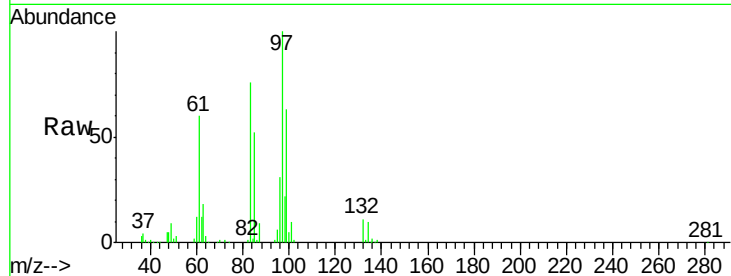
#55
 1,1,2-Trichloroethane
 Concen: 94.529 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		199610		
83	75.5	61.0	91.6		
85	52.2	41.5	62.3		
99	63.3	49.4	74.2		

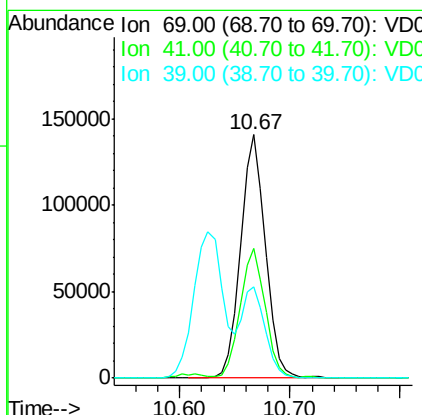
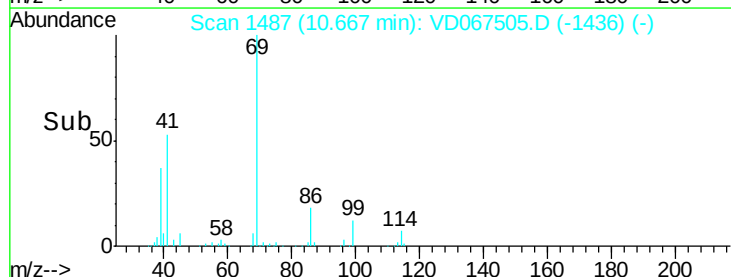
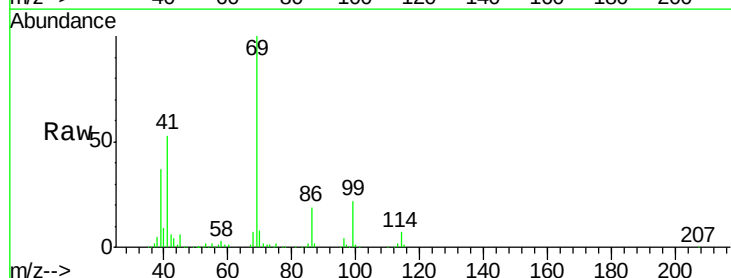
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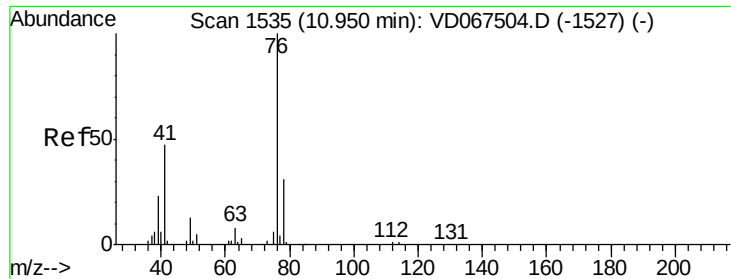
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 11/4/2020 10:43:26 AM



#56
 Ethyl methacrylate
 Concen: 102.642 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		223822		
41	52.7	45.4	68.0		
39	35.2	27.4	41.0		





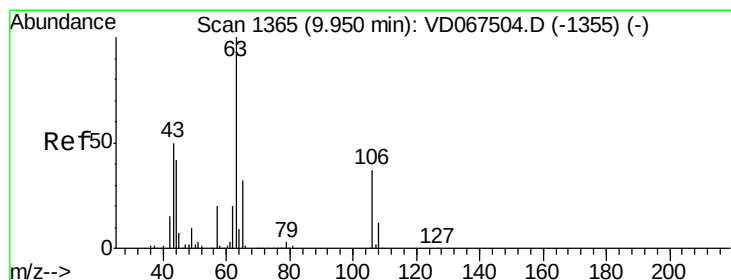
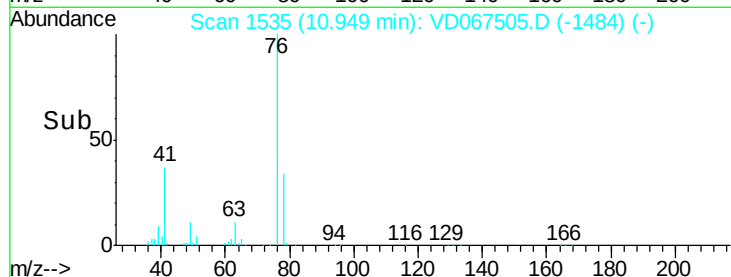
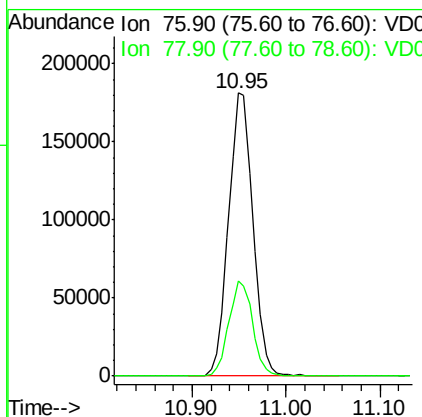
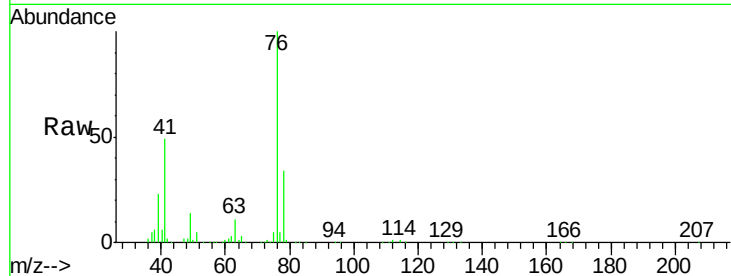
#57
 1,3-Dichloropropane
 Concen: 96.316 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.1	39.1

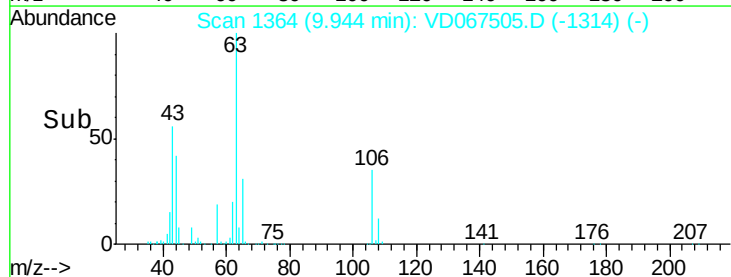
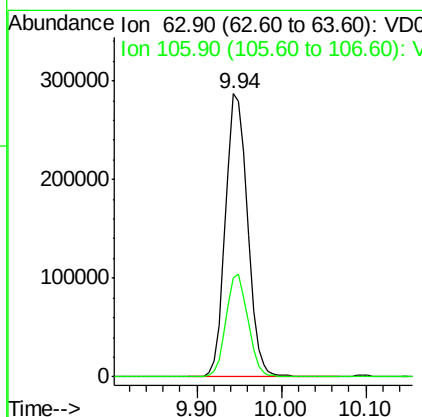
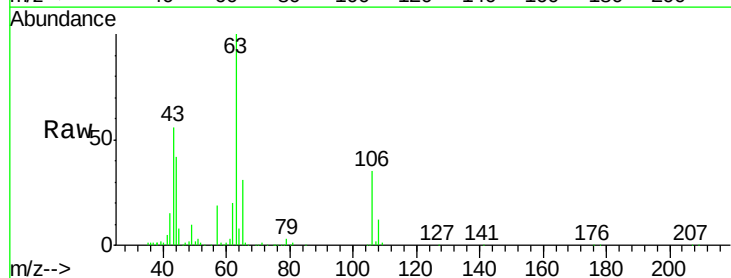
Manual Integrations
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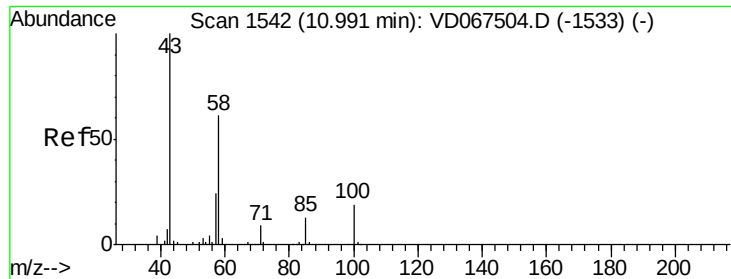
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 11/4/2020 10:43:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 511.067 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	35.8	29.2	43.8





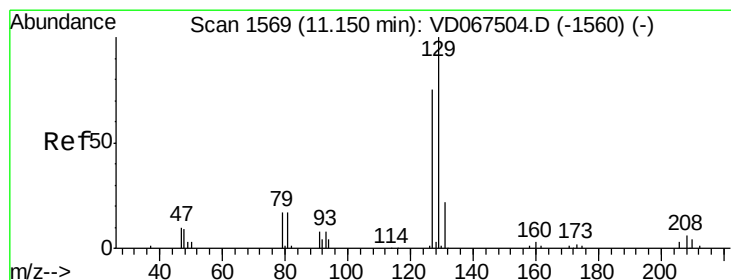
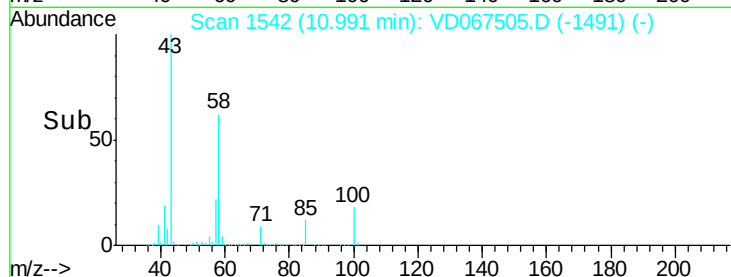
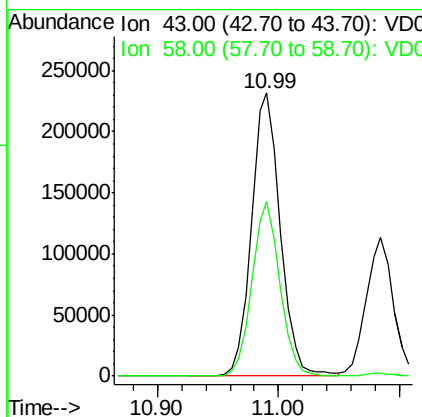
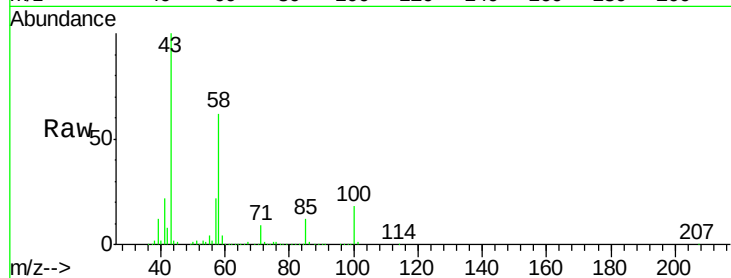
#59
2-Hexanone
Concen: 521.329 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	43	Resp	383622
Ion Ratio	100	Lower	Upper
43	100		
58	59.9	30.3	90.9

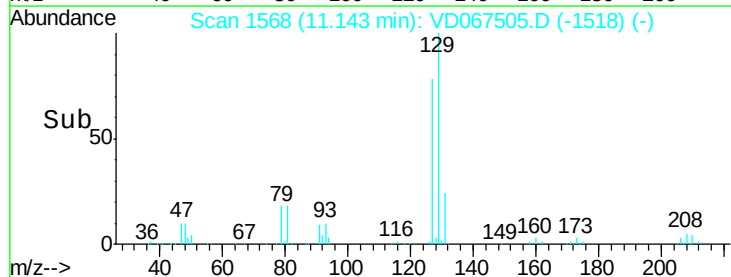
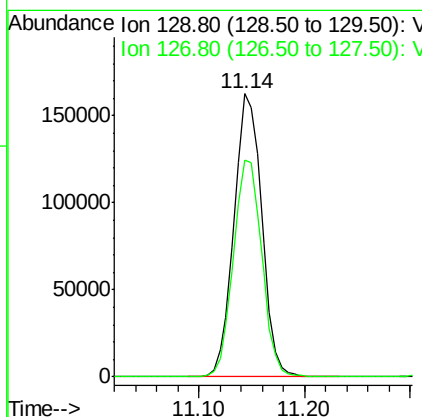
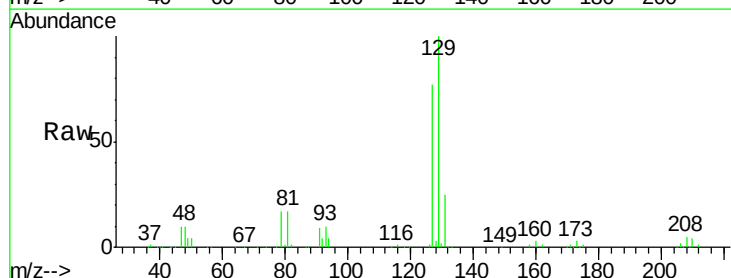
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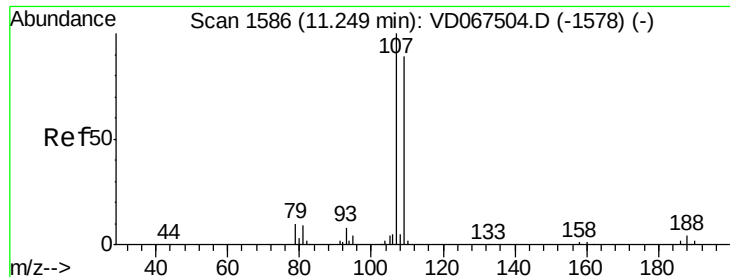
MMDadoda
11/4/2020 10:43:26 AM



#60
Dibromochloromethane
Concen: 94.493 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	129	Resp	295166	
Ion Ratio	129	100	Lower	Upper
129	100			
127	78.4	38.0	114.1	





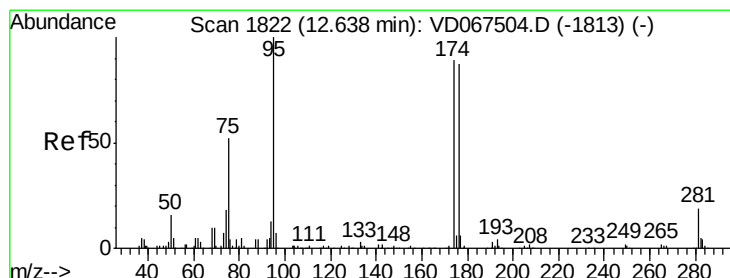
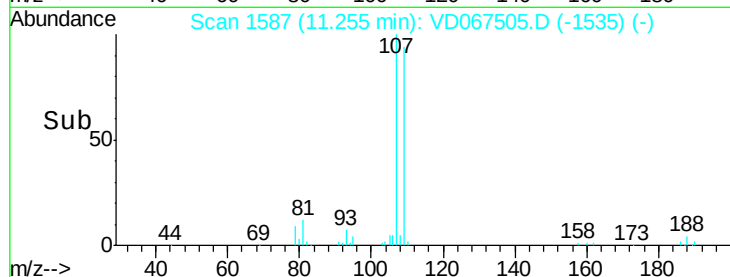
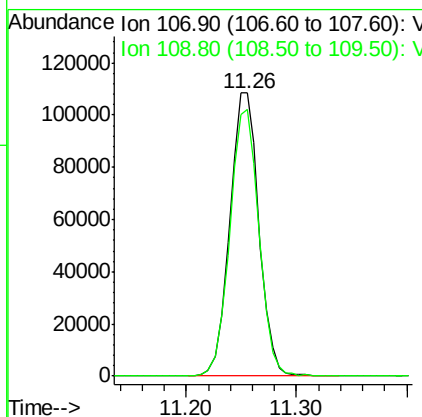
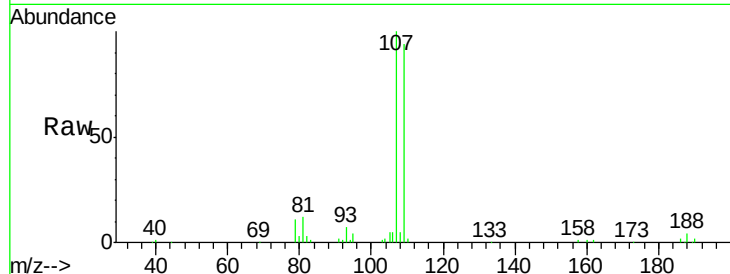
#61
 1,2-Dibromoethane
 Concen: 94.396 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.6	111.8

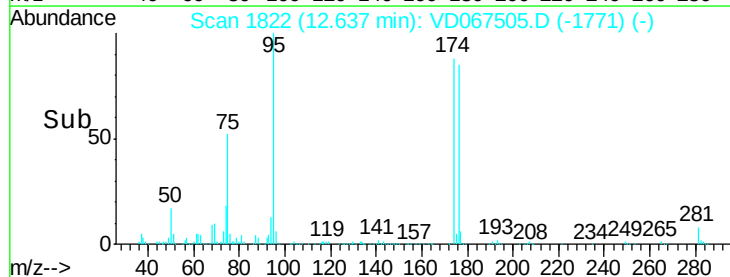
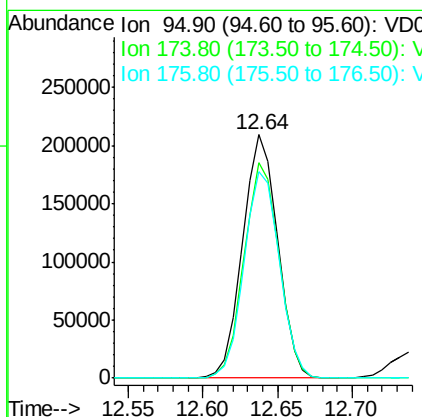
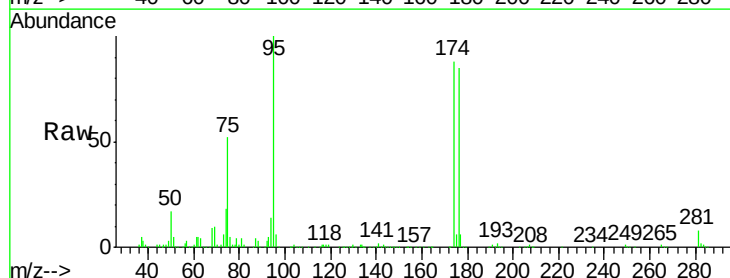
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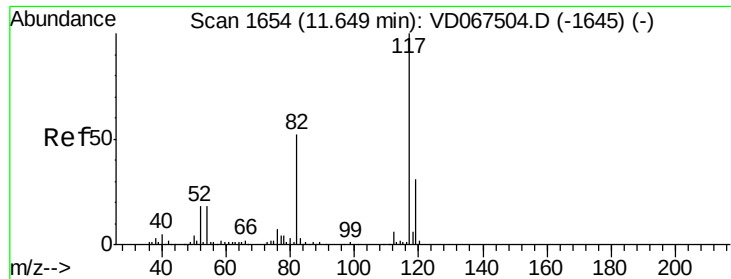
MMDadoda
 11/4/2020 10:43:26 AM



#62
 4-Bromofluorobenzene
 Concen: 93.219 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	177.8
176	85.5	0.0	172.0





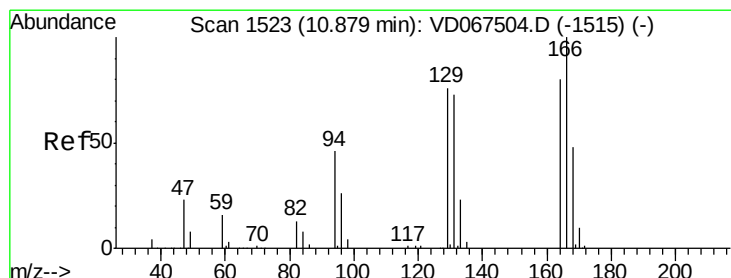
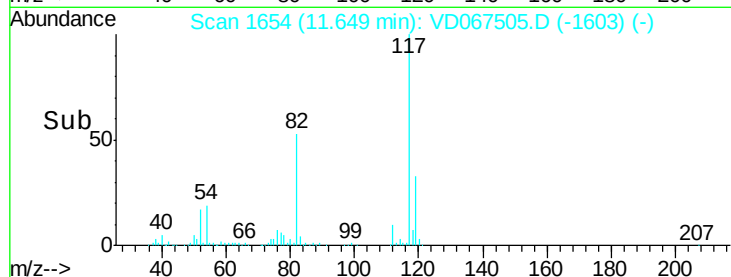
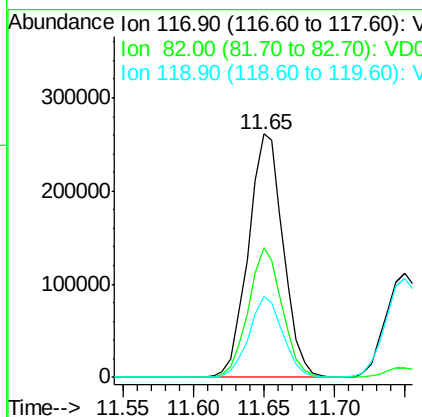
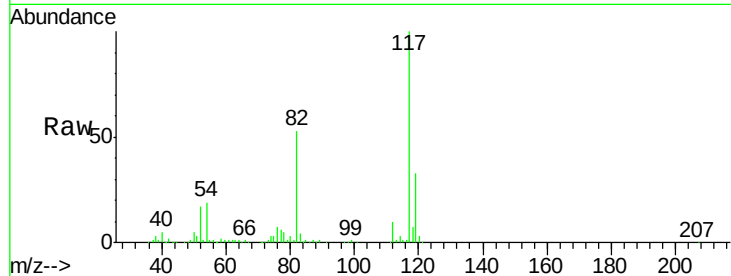
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	454101		
82	53.5		41.6	62.4
119	33.1		25.1	37.7

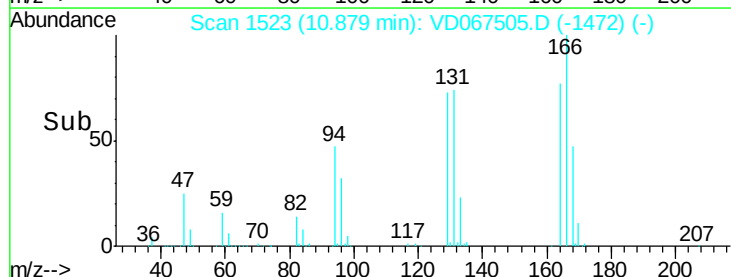
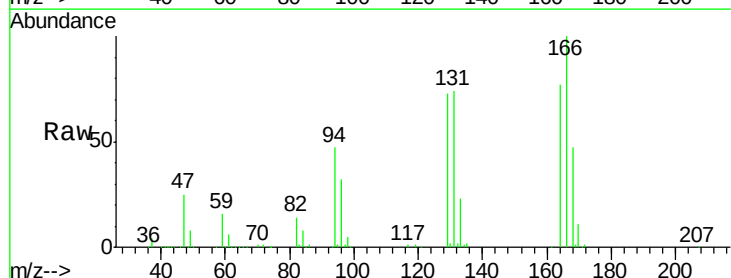
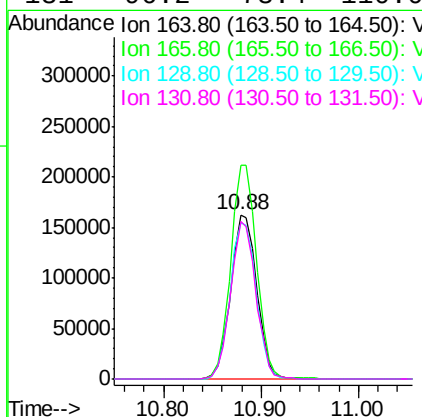
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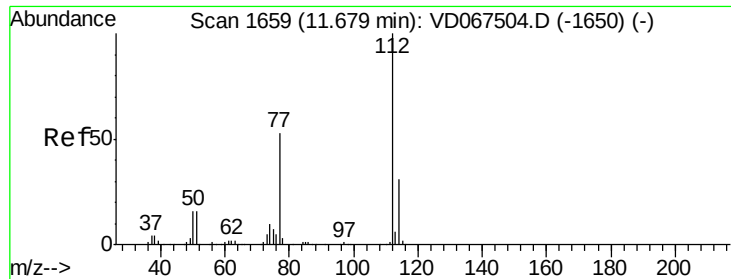
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#64
Tetrachloroethene
Concen: 89.559 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	301190		
166	130.1		99.9	149.9
129	95.2		75.5	113.3
131	96.2		73.4	110.0





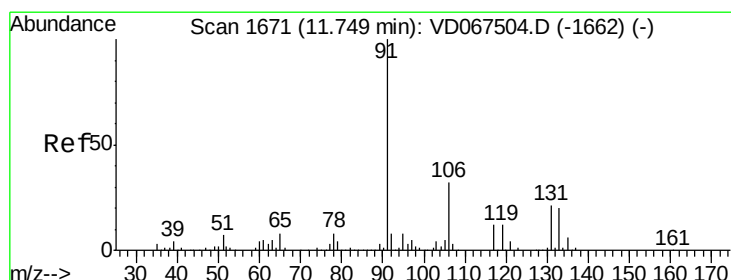
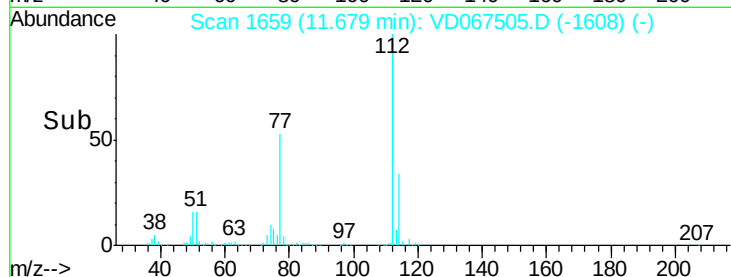
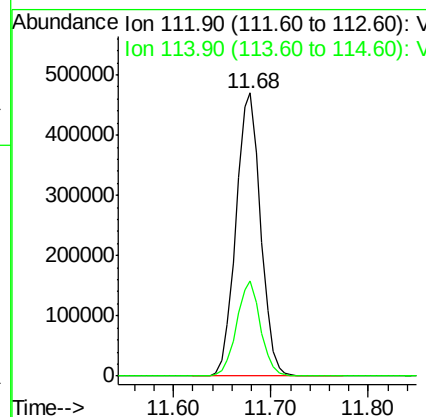
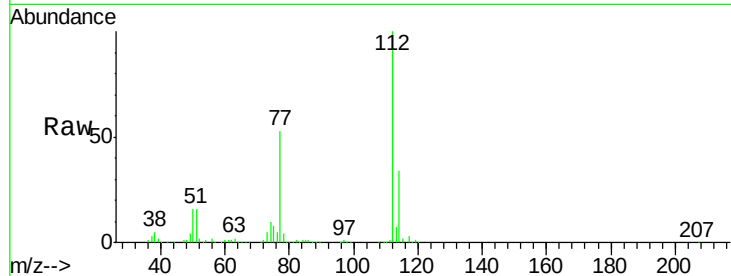
#65
Chlorobenzene
Concen: 93.674 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	24.9	37.3

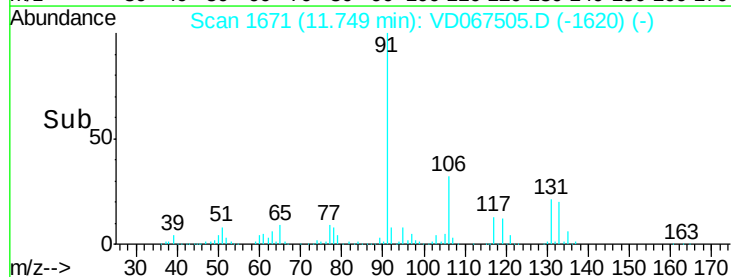
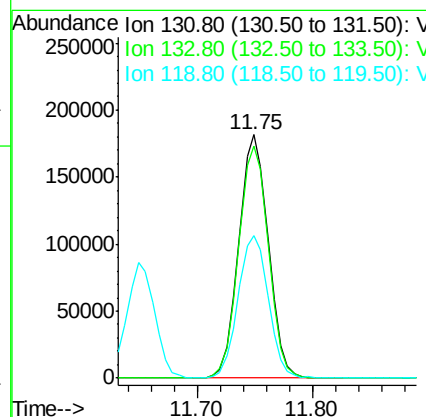
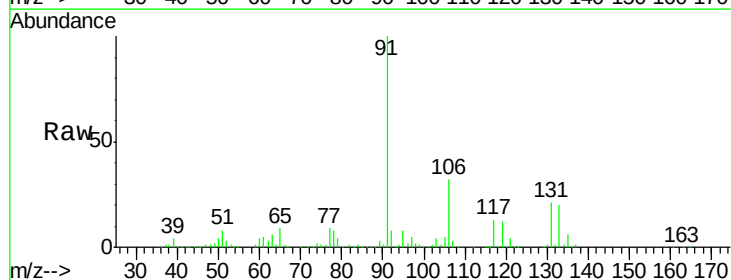
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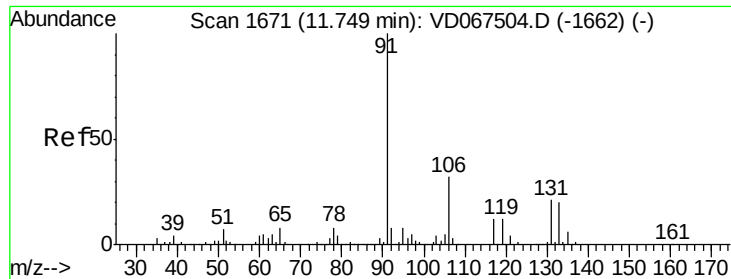
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#66
1,1,1,2-Tetrachloroethane
Concen: 93.014 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.0	144.0
119	60.1	30.1	90.5





#67

Ethyl Benzene

Concen: 97.804 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1463947

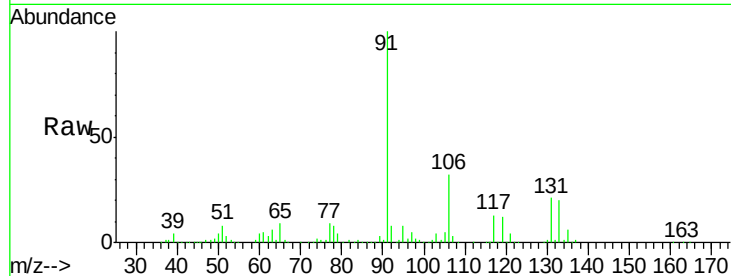
Ion Ratio Lower Upper

91 100

106 31.9 25.7 38.5

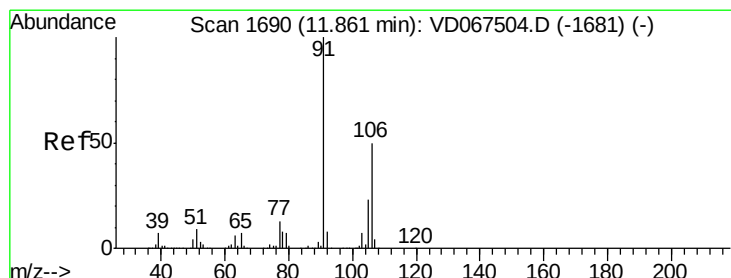
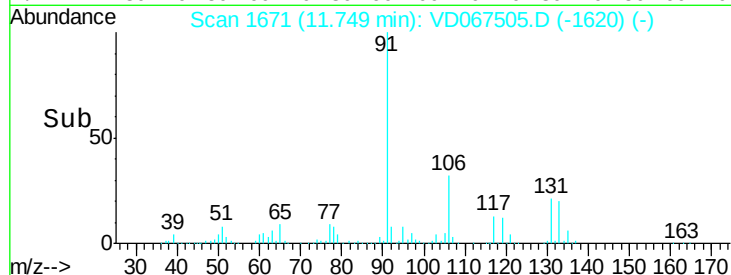
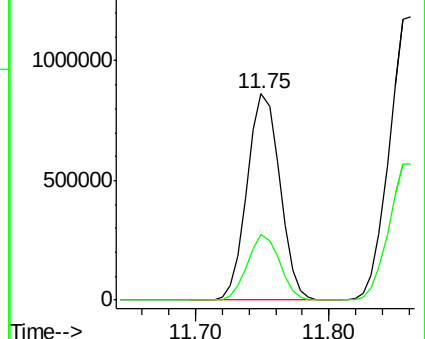
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 192.670 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD067505.D

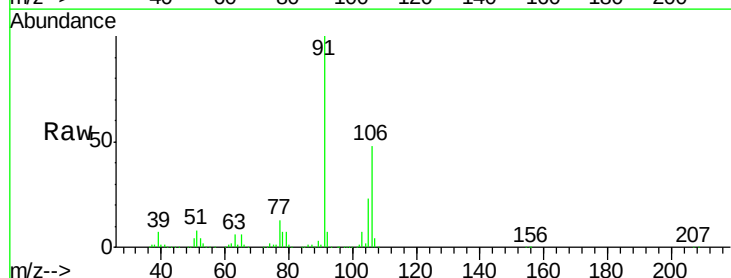
Acq: 03 Nov 2020 12:03

Tgt Ion: 106 Resp: 1121978

Ion Ratio Lower Upper

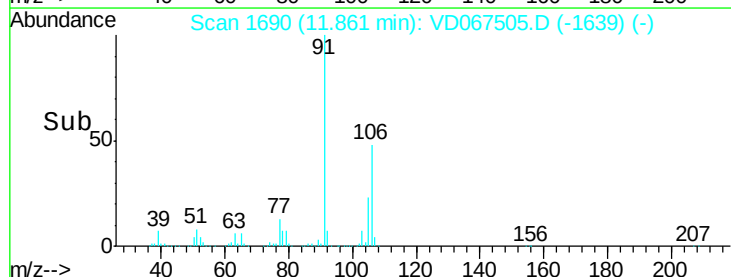
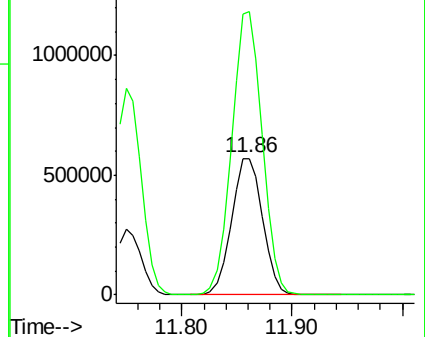
106 100

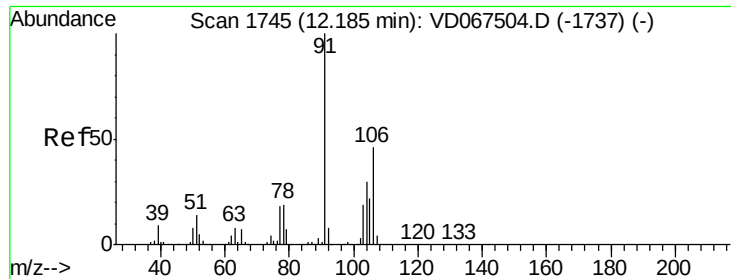
91 203.3 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





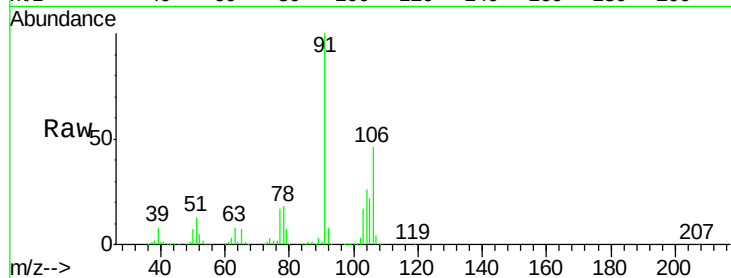
#69
o-Xylene
Concen: 99.597 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

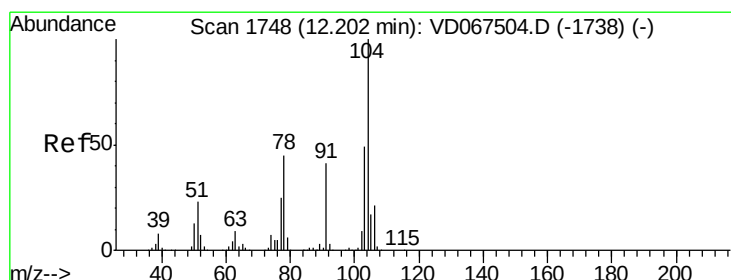
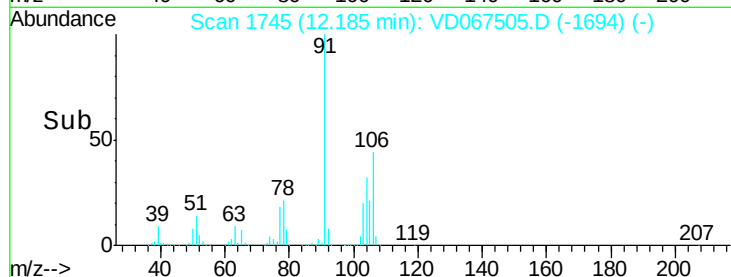
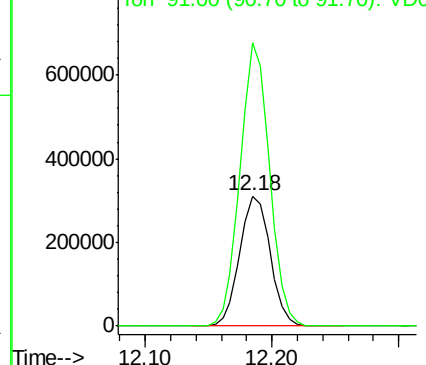
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		517822		
91	210.6	107.1	321.1		

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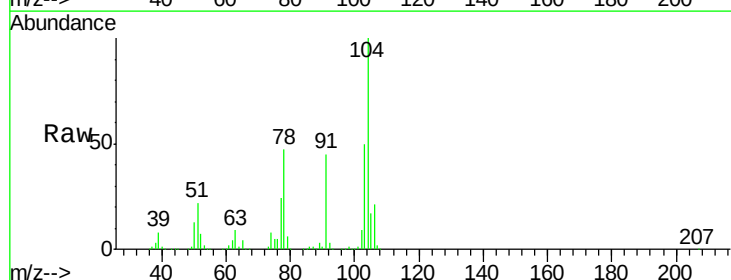


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

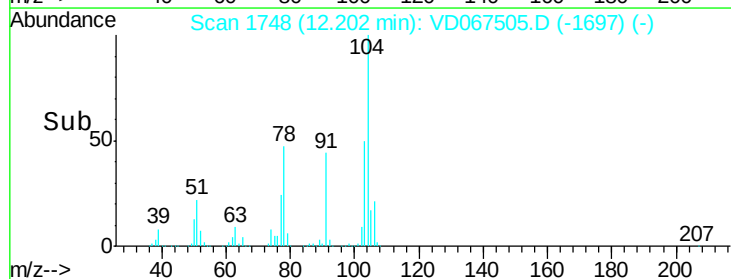
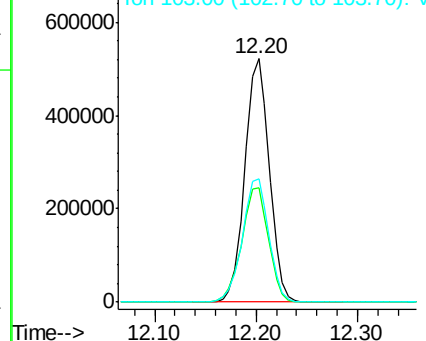


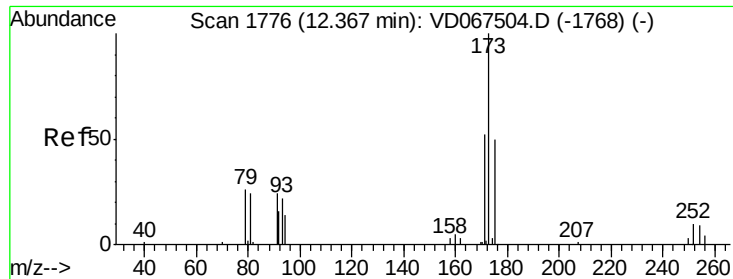
#70
Styrene
Concen: 96.321 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		872639		
78	51.5	39.8	59.8		
103	54.6	43.9	65.9		



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 93.735 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

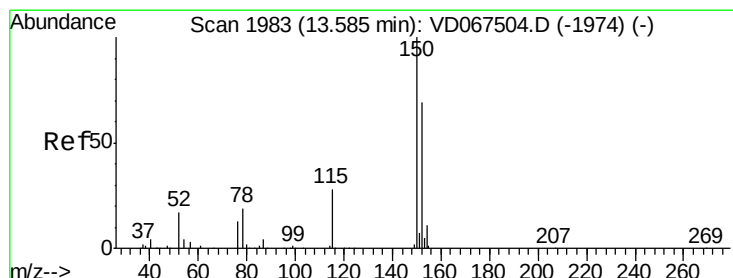
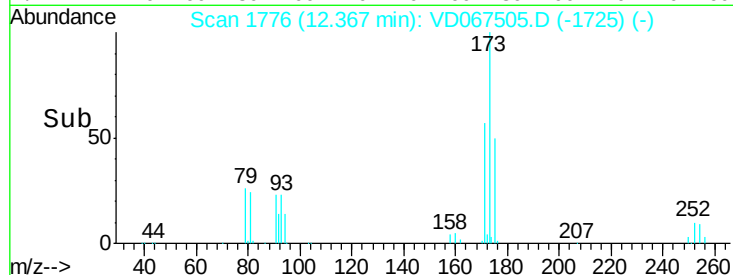
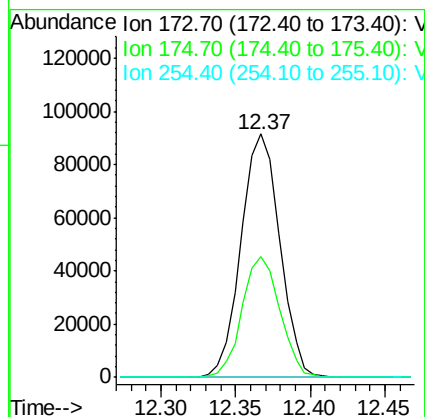
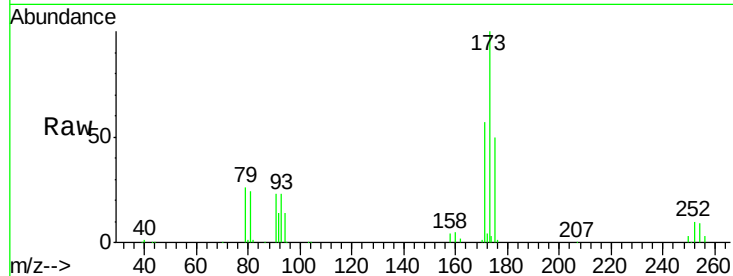
ClientSampleId :

VSTDIC100

Tot Ion:	173	Resp:	164814
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.1	72.2
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

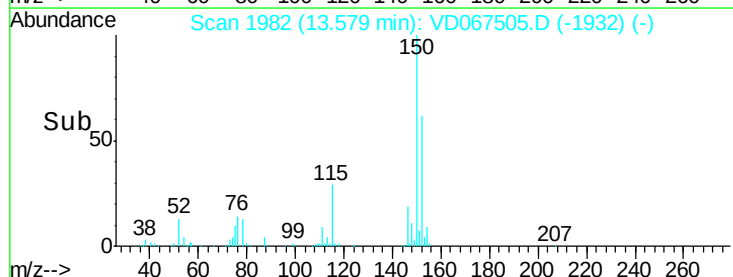
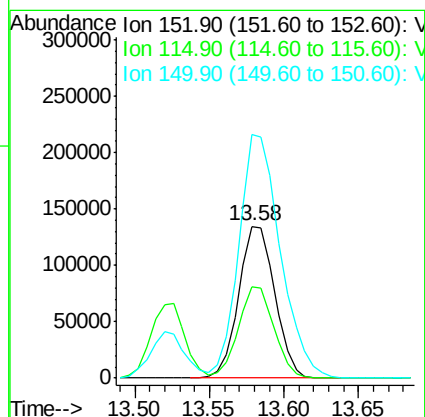
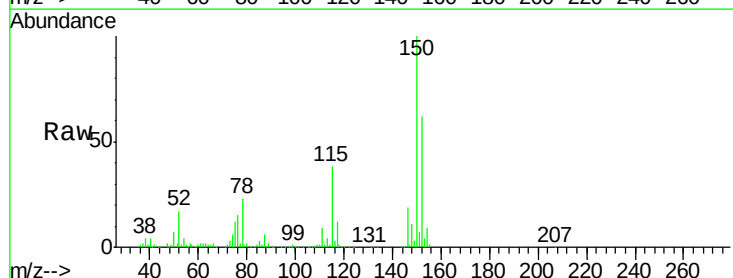
RT: 13.58 min Scan# 1982

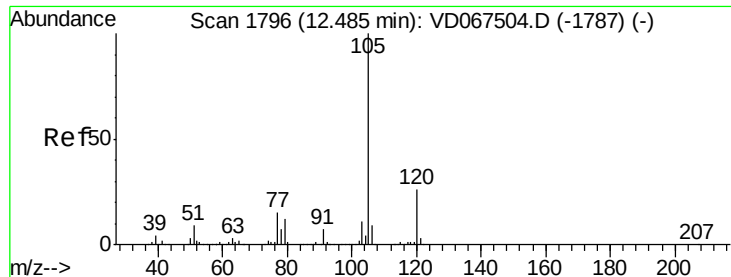
Delta R.T. -0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Tgt Ion:	152	Resp:	226494
Ion Ratio	Lower	Upper	
152	100		
115	59.3	29.3	88.0
150	183.4	0.0	338.2





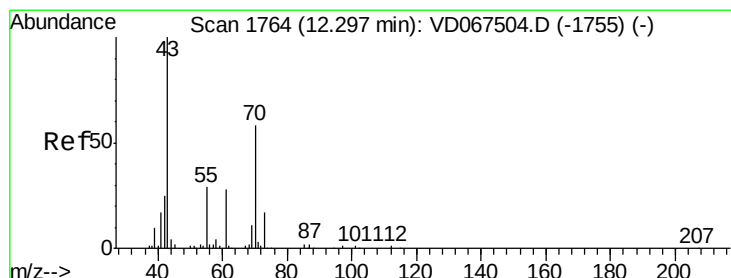
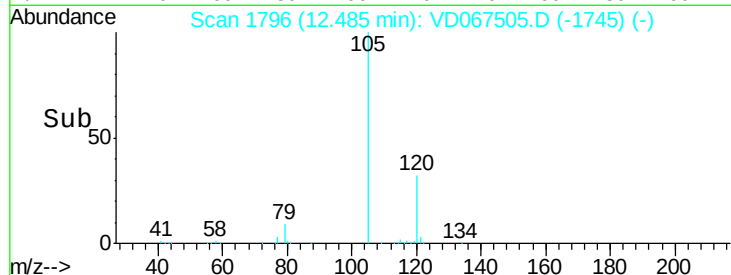
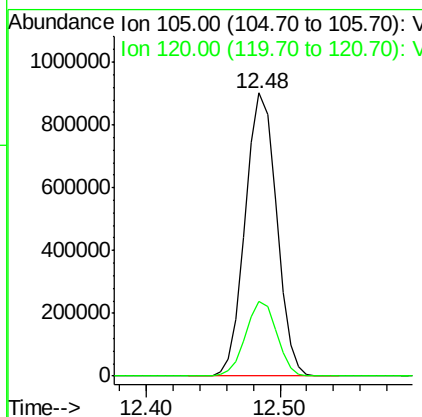
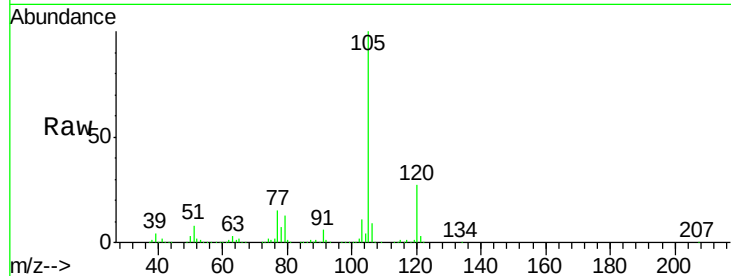
#73
Isopropylbenzene
Concen: 99.869 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1461872
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6

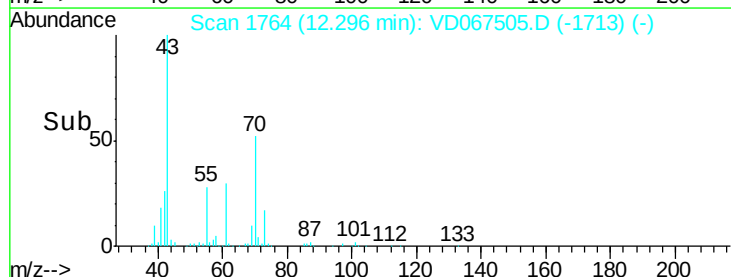
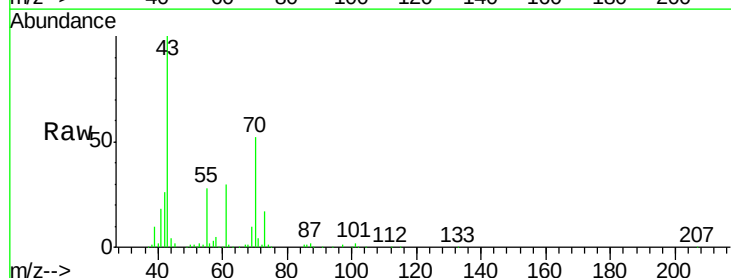
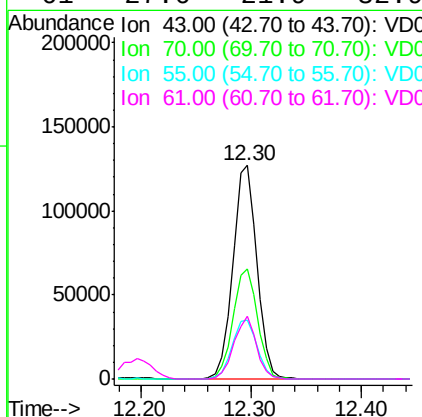
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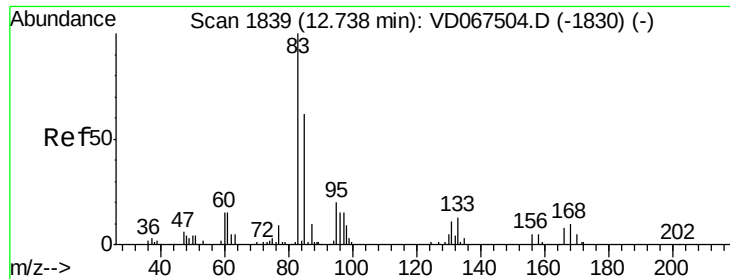
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11/4/2020 10:43:26 AM



#74
N-ethyl acetate
Concen: 100.541 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 43 Resp: 193653
Ion Ratio Lower Upper
43 100
70 53.0 42.6 64.0
55 29.0 23.7 35.5
61 27.6 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 95.050 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

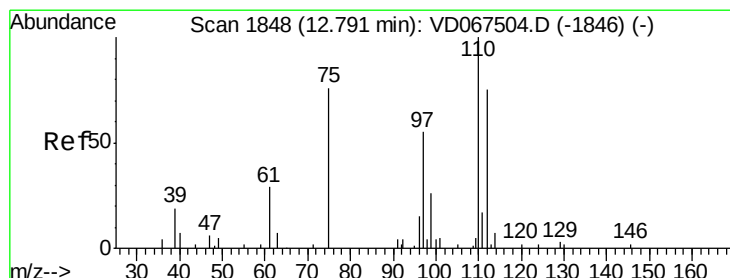
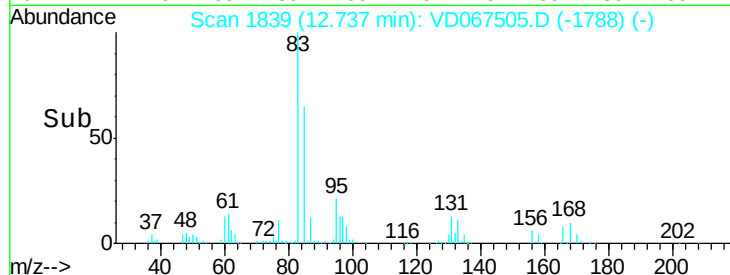
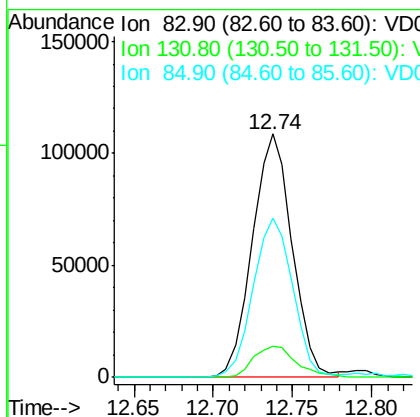
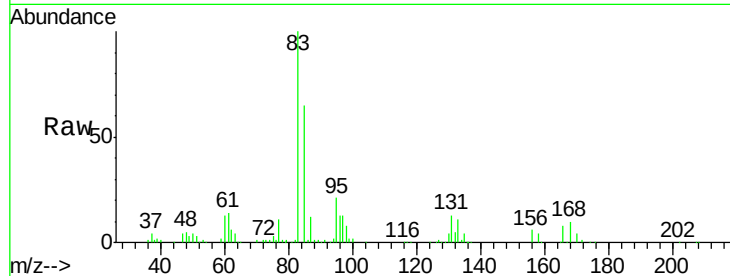
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	189724
Ion Ratio	Lower	Upper	
83	100		
131	13.9	7.1	21.3
85	65.2	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 86.414 ug/l m

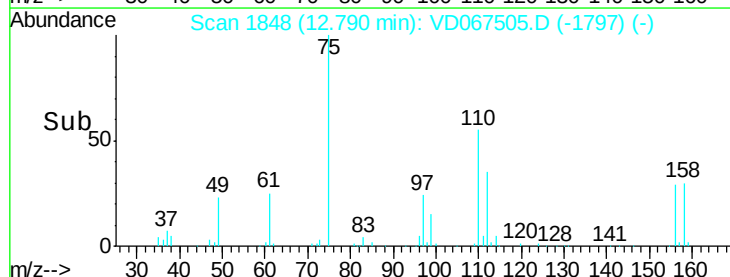
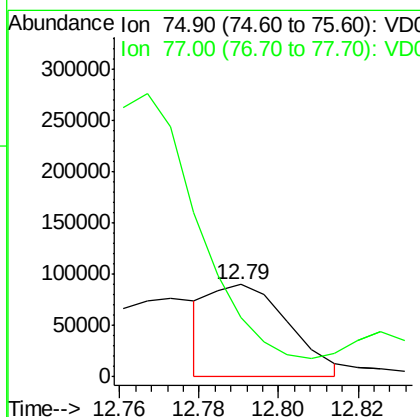
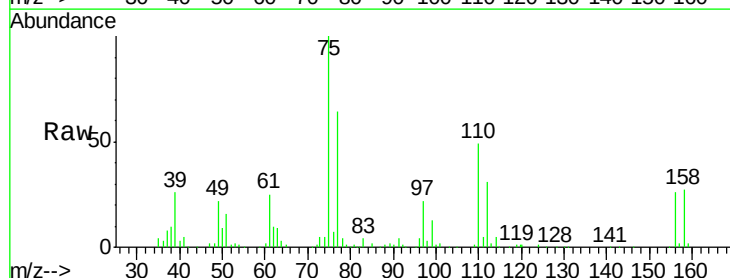
RT: 12.79 min Scan# 1848

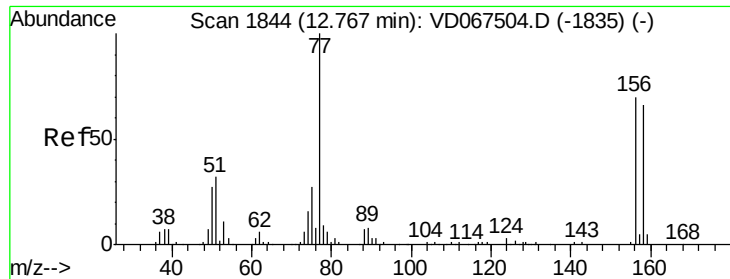
Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Tgt Ion:	75	Resp:	123427
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 94.431 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

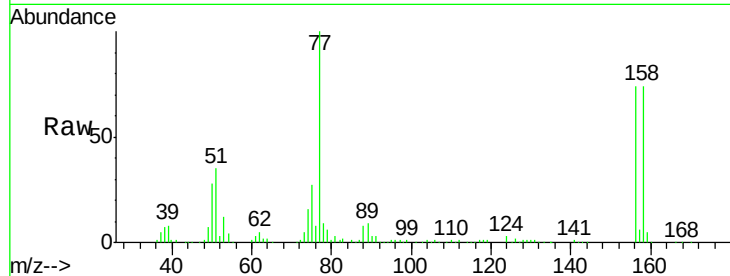
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		339470		
77	155.1	77.8	233.5		
158	97.6	47.9	143.7		

Manual Integrations
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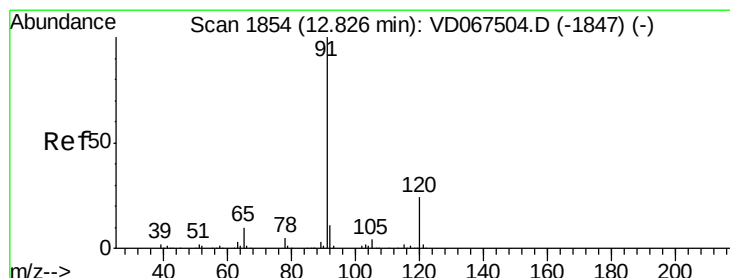
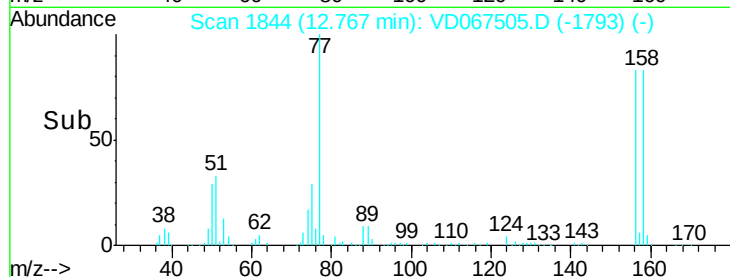
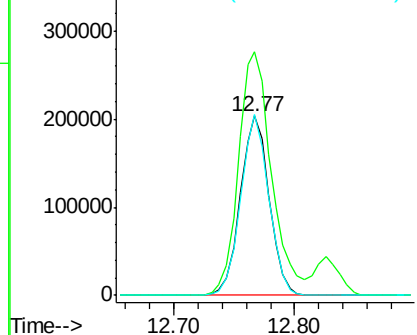
MMDadoda
11/4/2020 10:43:26 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 97.570 ug/l

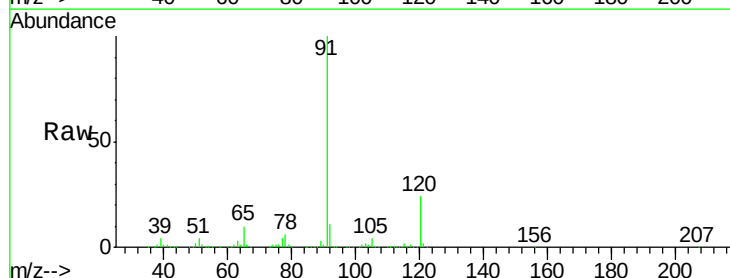
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067505.D

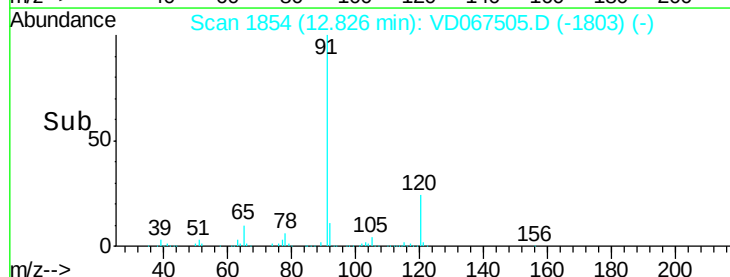
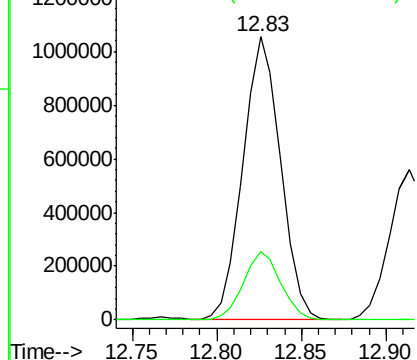
Acq: 03 Nov 2020 12:03

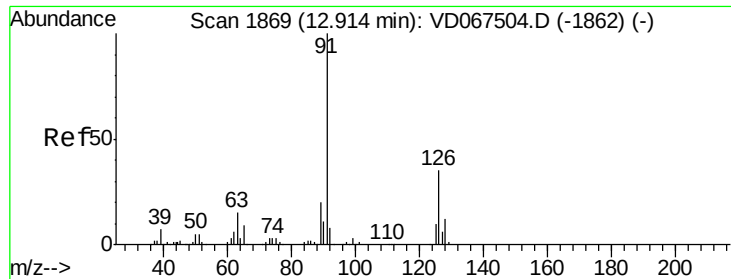
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1633645		
120	24.1	12.2	36.4		



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





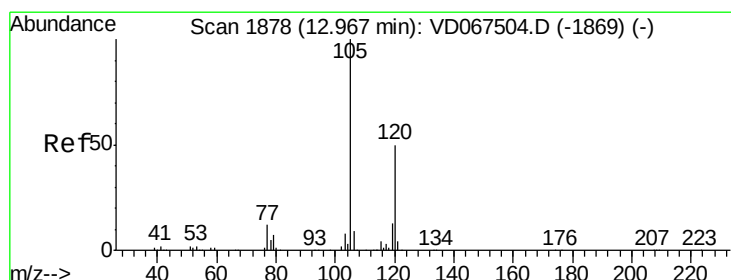
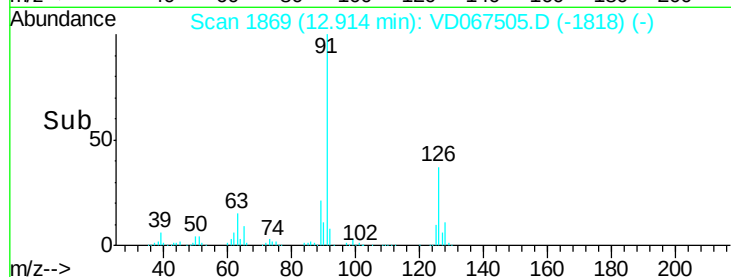
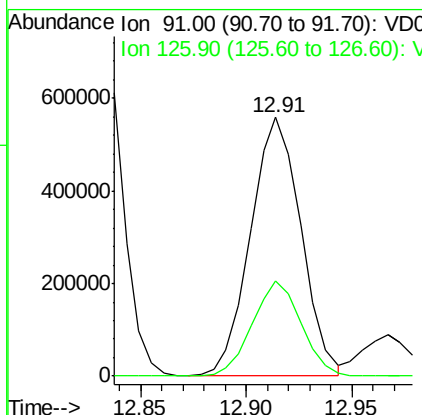
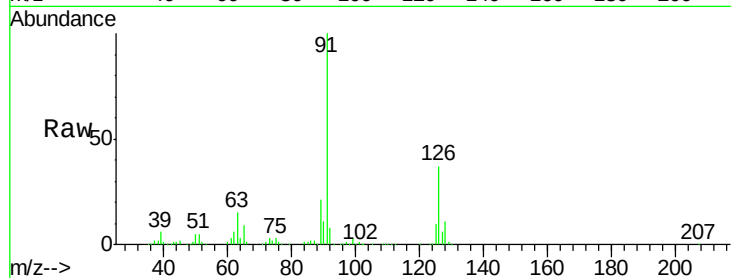
#79
2-Chlorotoluene
Concen: 97.437 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 926714
Ion Ratio Lower Upper
91 100
126 35.8 17.8 53.4

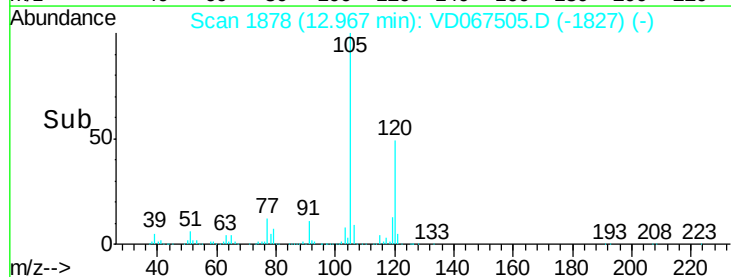
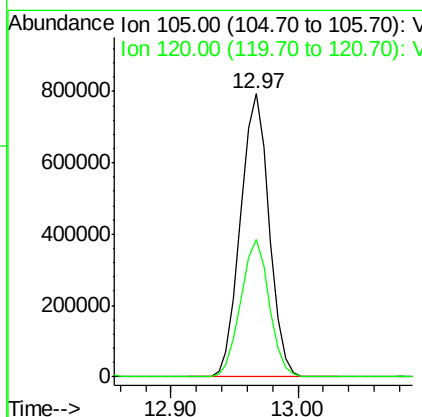
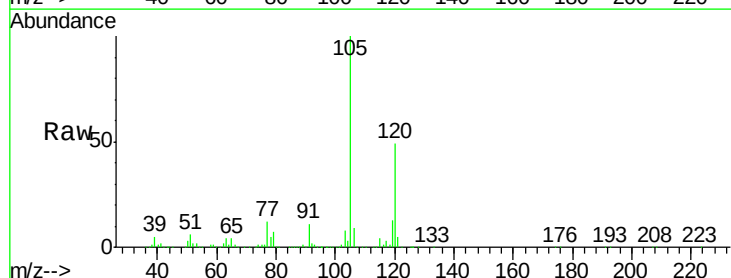
Manual Integrations
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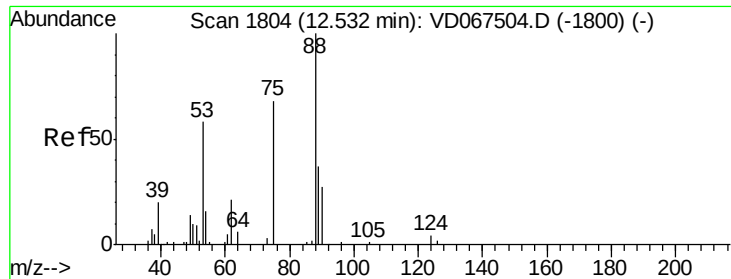
MMDadoda
11/4/2020 10:43:26 AM



#80
1,3,5-Trimethylbenzene
Concen: 98.993 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 105 Resp: 1237852
Ion Ratio Lower Upper
105 100
120 48.6 24.3 72.8





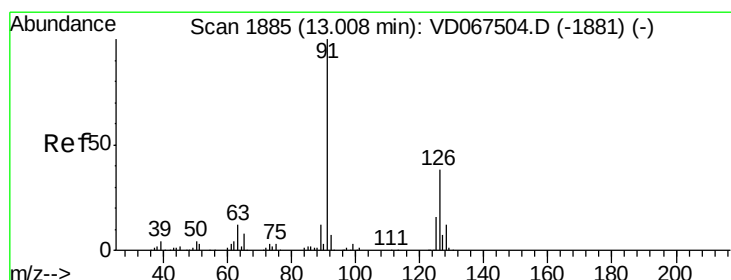
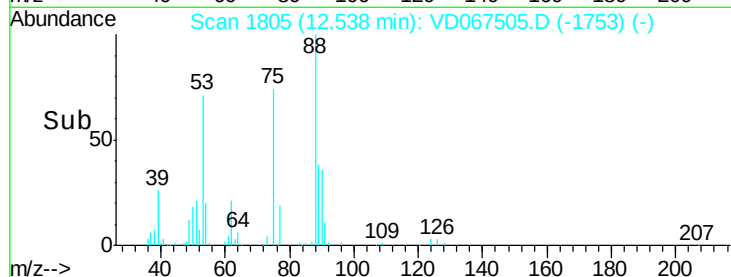
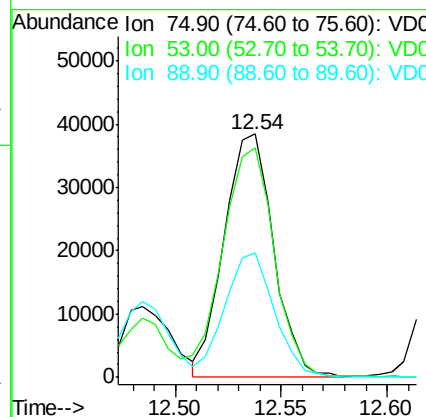
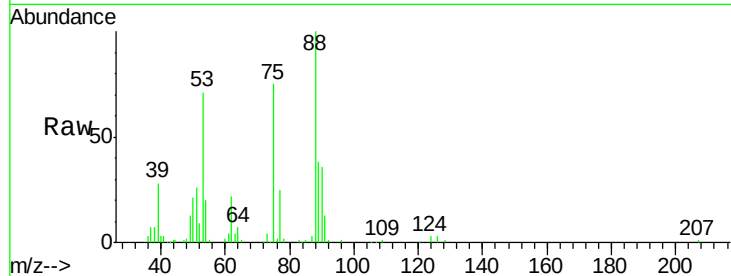
#81
trans-1,4-Dichloro-2-butene
Concen: 92.706 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.2	75.9	113.9
89	51.4	44.6	67.0

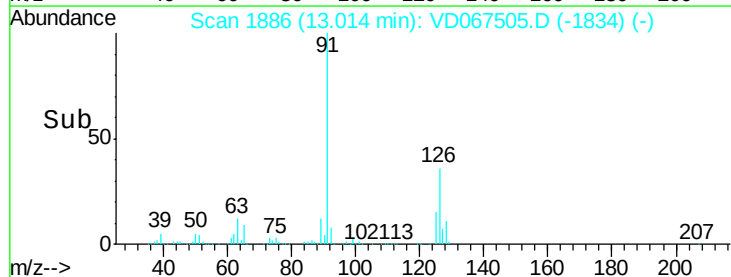
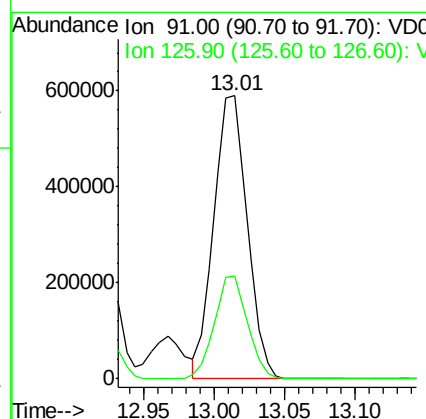
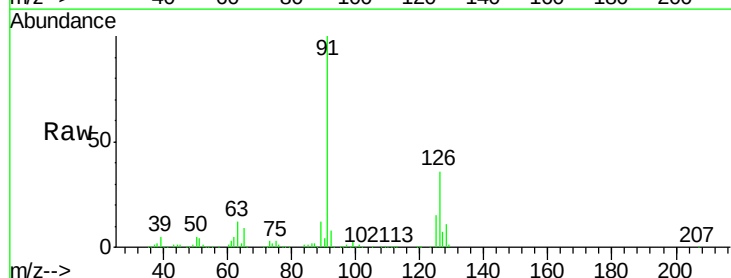
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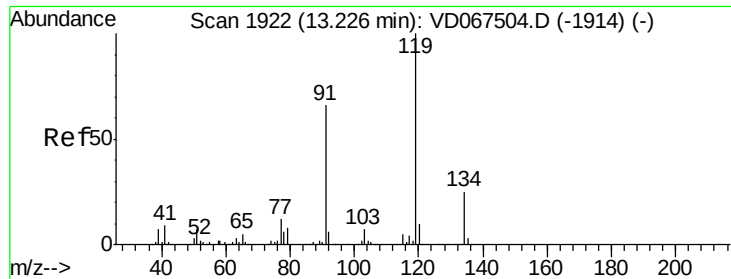
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#82
4-Chlorotoluene
Concen: 95.112 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.9	53.7





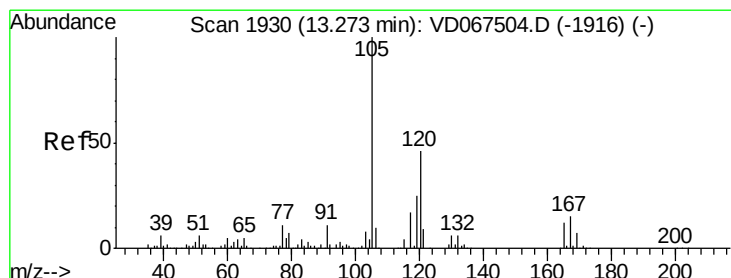
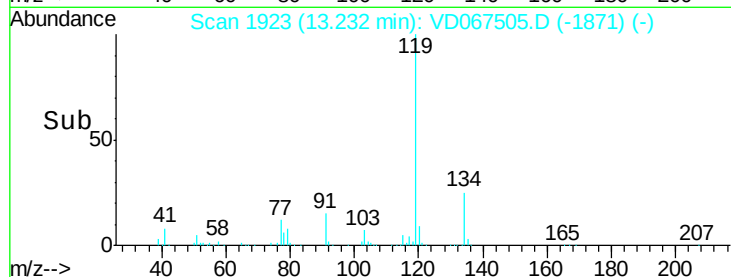
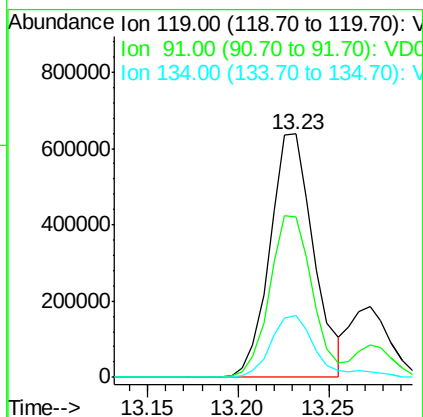
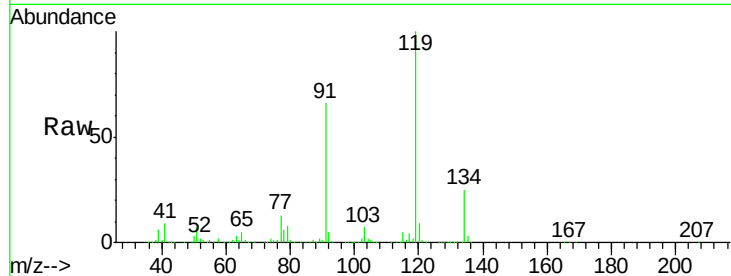
#83
tert-Butylbenzene
Concen: 101.055 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1070944
Ion Ratio Lower Upper
119 100
91 65.0 32.7 98.1
134 26.5 13.4 40.2

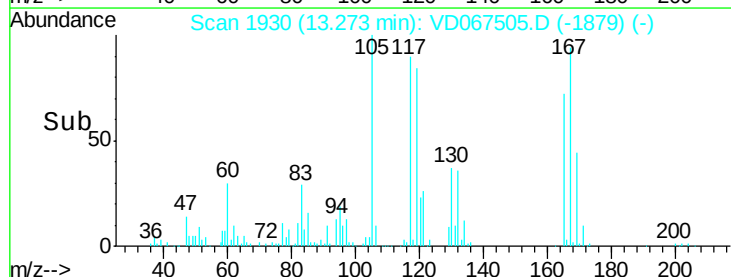
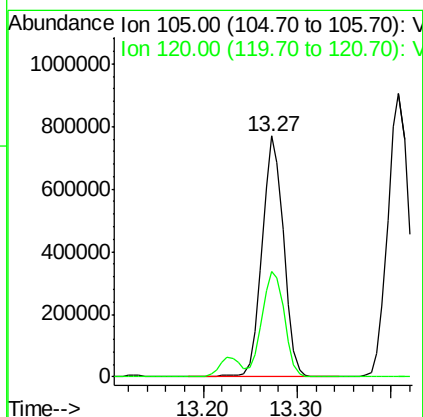
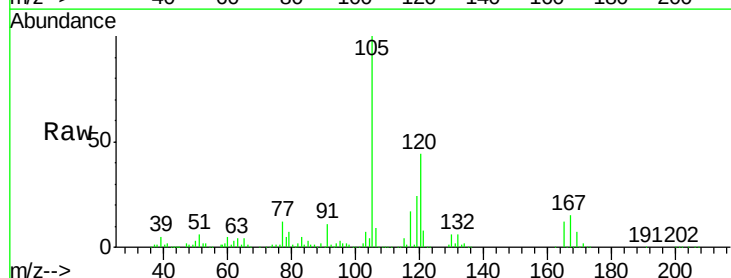
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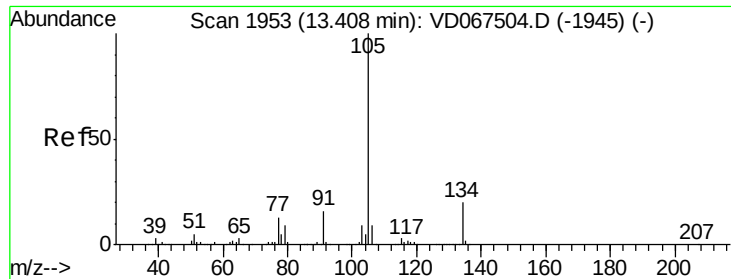
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#84
1,2,4-Trimethylbenzene
Concen: 97.714 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion:105 Resp: 1216247
Ion Ratio Lower Upper
105 100
120 45.8 22.1 66.1





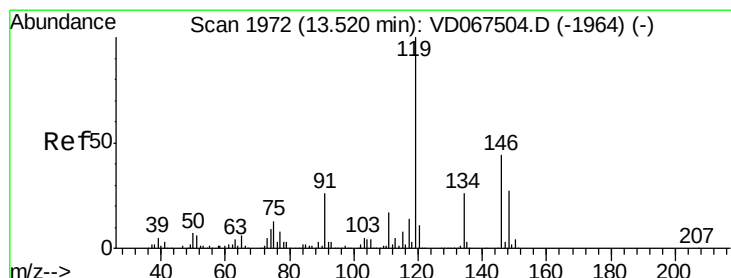
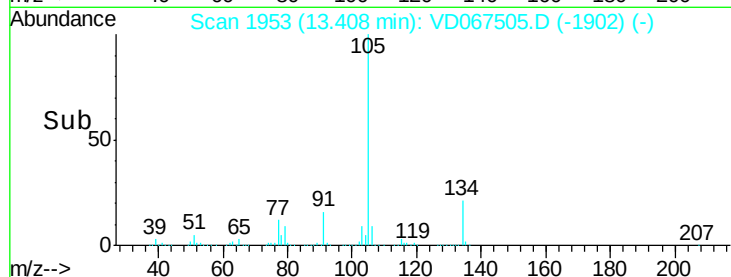
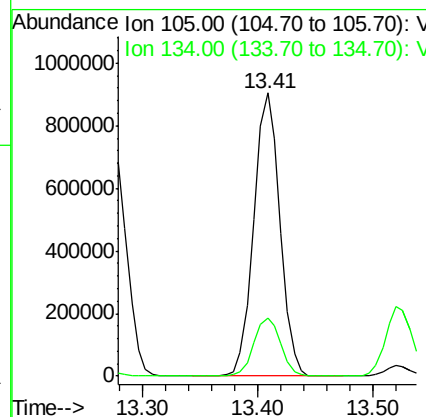
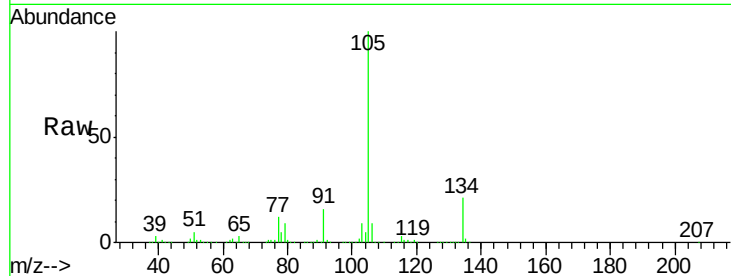
#85
 sec-Butylbenzene
 Concen: 99.619 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1425171
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.4 31.4

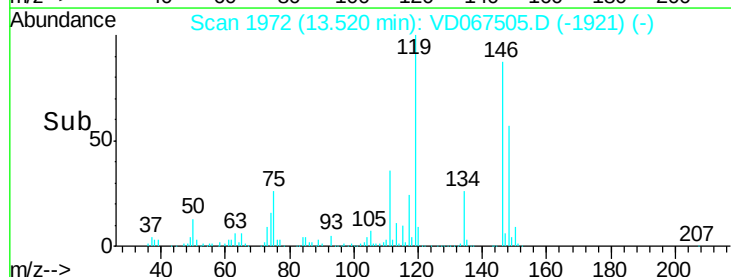
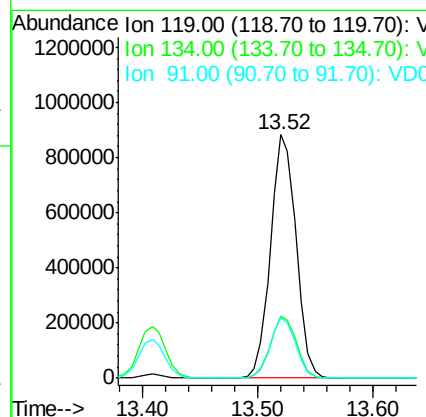
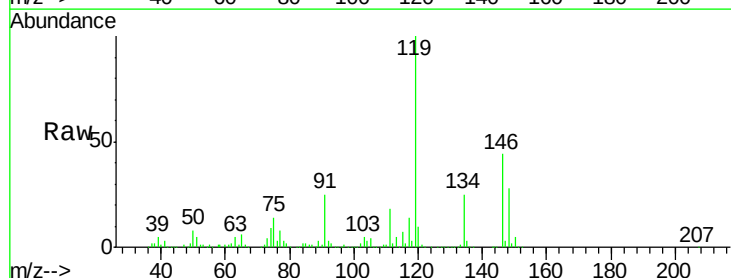
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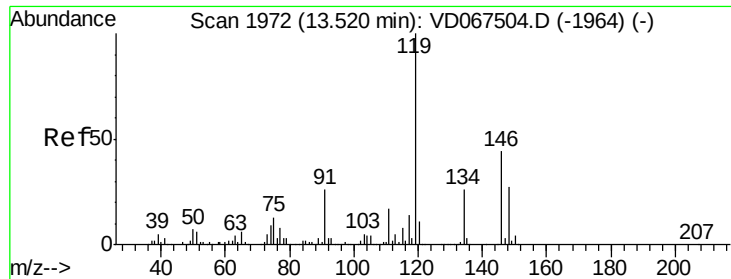
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 11/4/2020 10:43:26 AM



#86
 p-Isopropyltoluene
 Concen: 98.404 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion:119 Resp: 1359463
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.3
 91 24.7 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 93.133 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

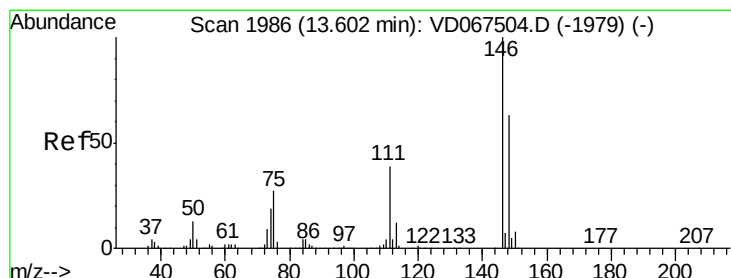
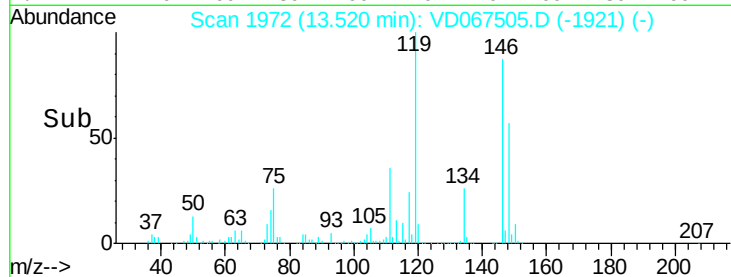
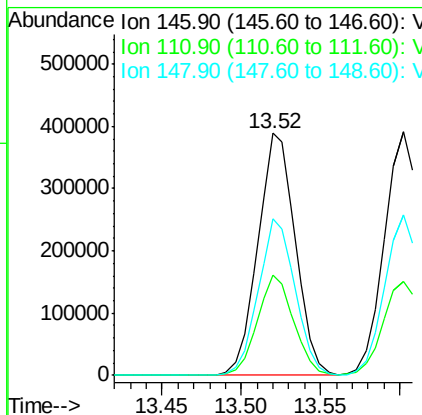
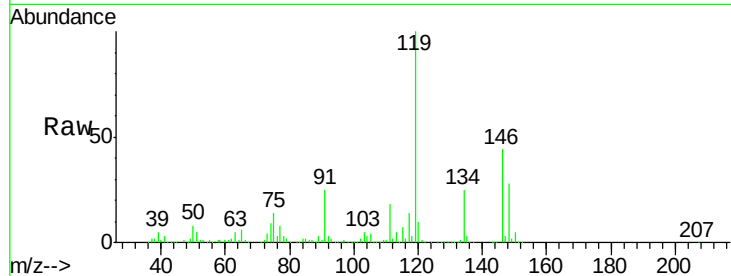
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	638854
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.3	60.8
148	63.5	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 91.430 ug/l

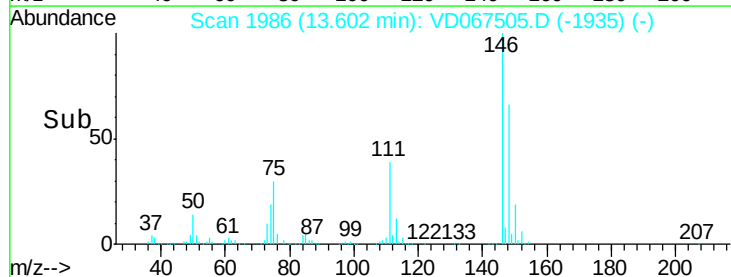
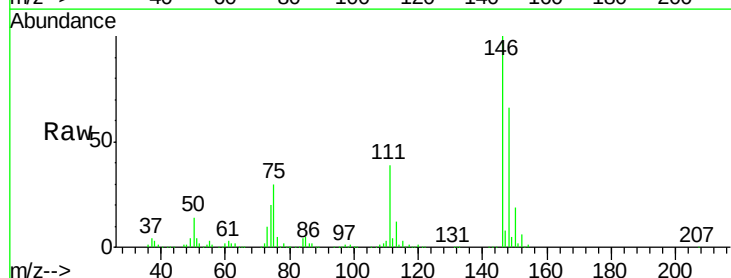
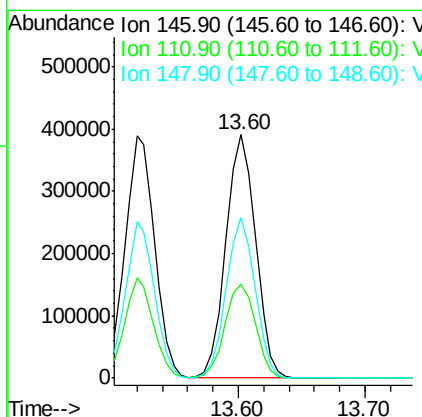
RT: 13.60 min Scan# 1986

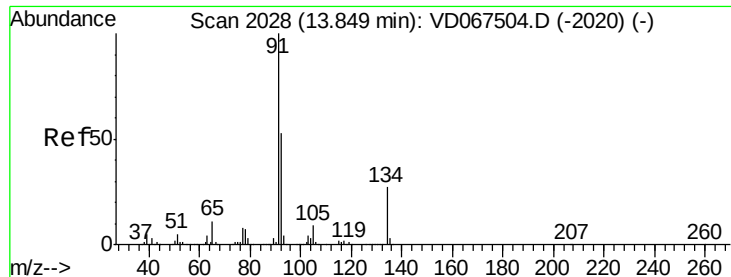
Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Tgt Ion:	146	Resp:	635054
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.6	58.7
148	64.2	31.8	95.4





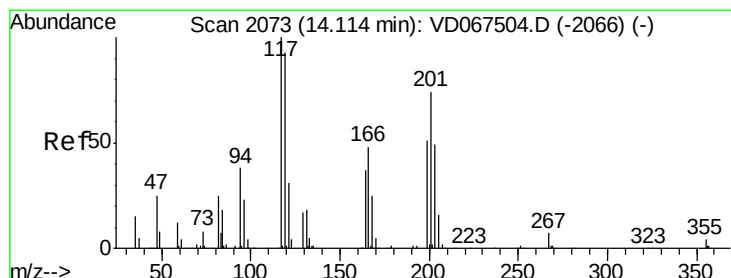
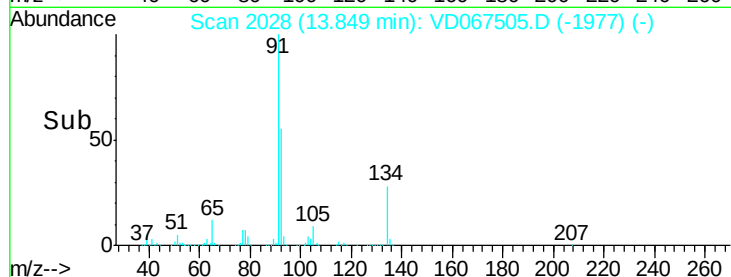
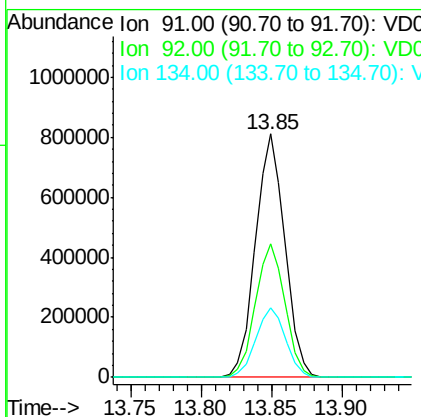
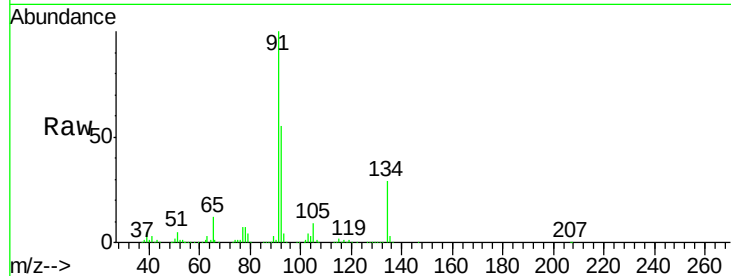
#89
n-Butylbenzene
Concen: 99.771 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	26.6	79.8
134	29.0	14.1	42.2

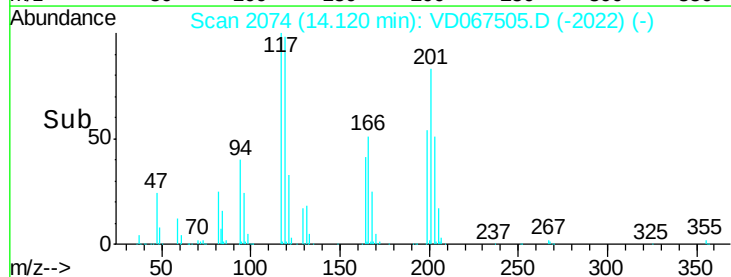
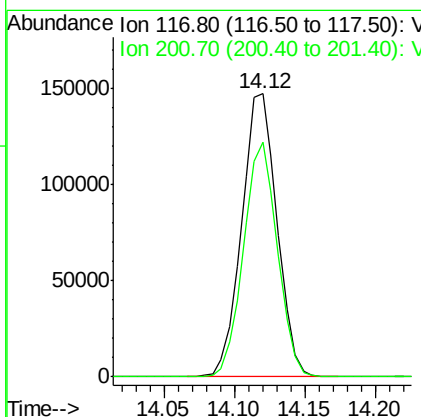
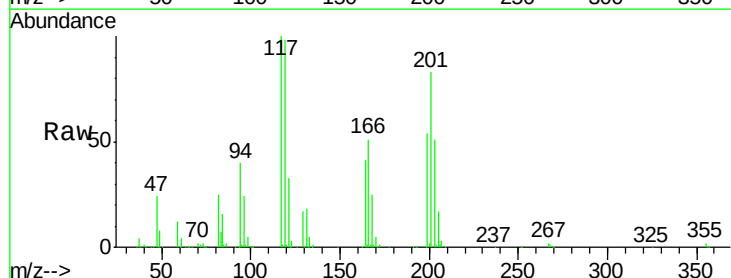
Manual Integrations
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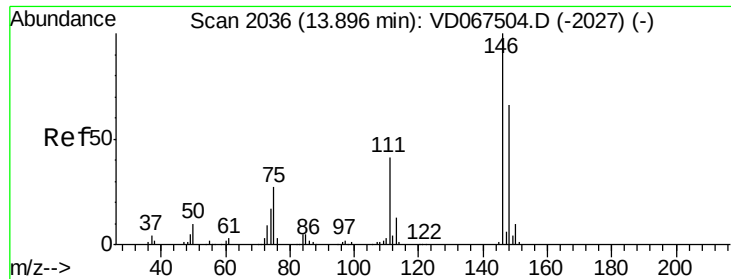
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11/4/2020 10:43:26 AM



#90
Hexachloroethane
Concen: 99.114 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.6	40.7	122.1





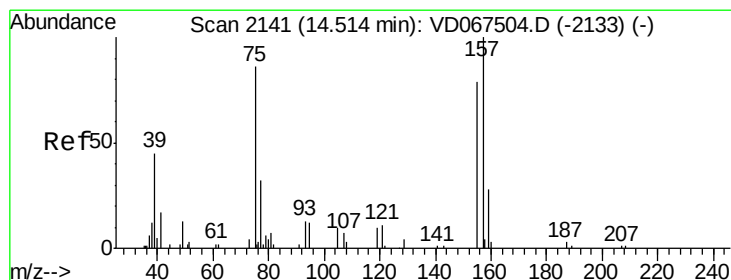
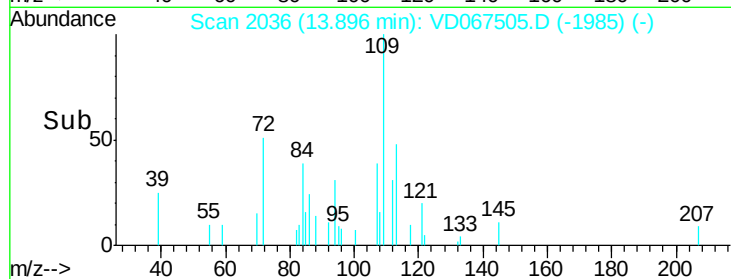
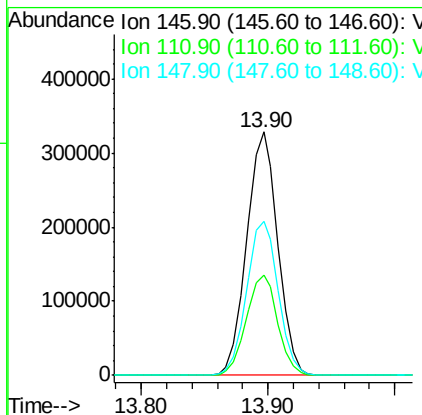
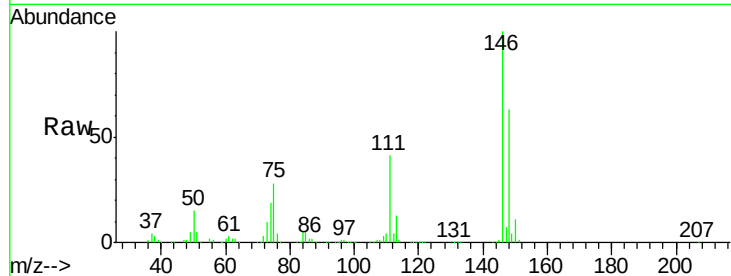
#91
 1,2-Dichlorobenzene
 Concen: 94.019 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	64.4	31.5	94.5

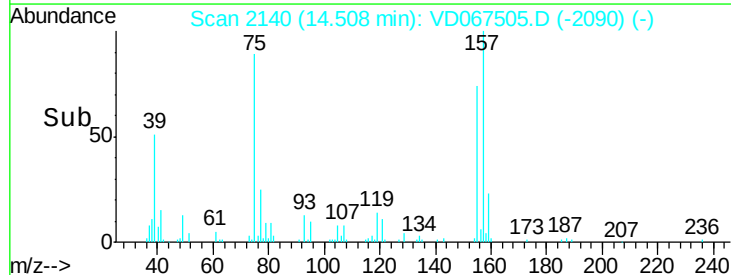
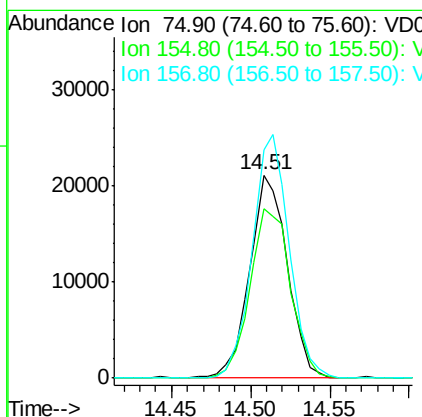
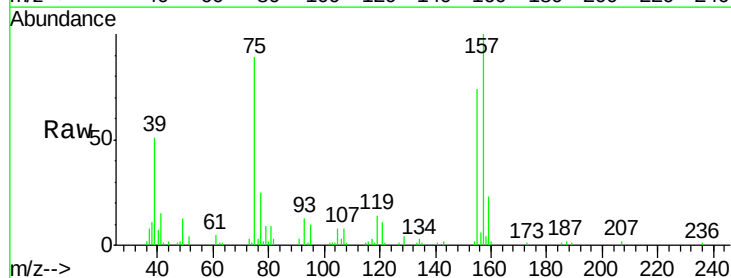
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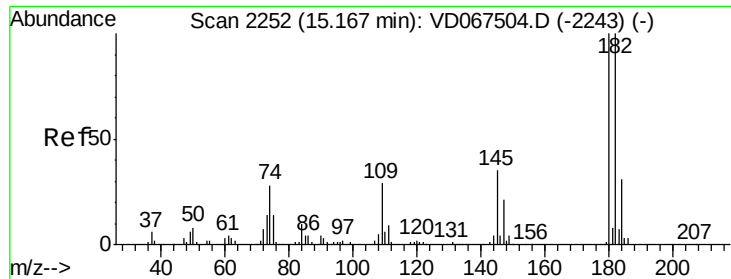
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.668 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	46.6	139.8
157	117.3	58.1	174.2





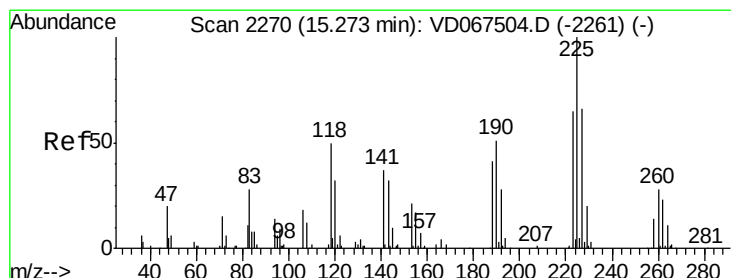
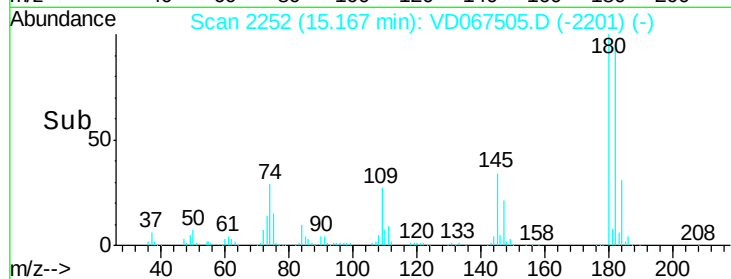
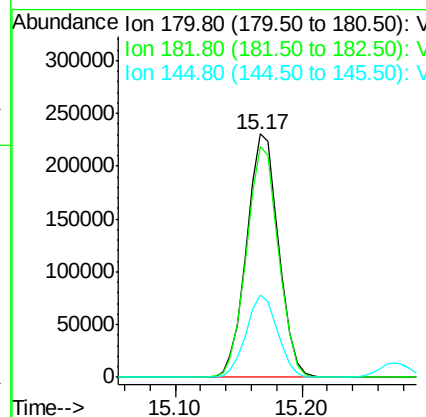
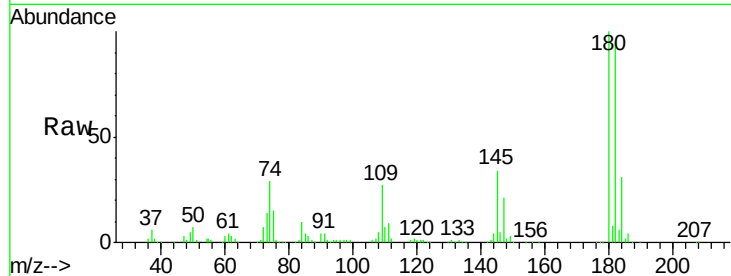
#93
 1,2,4-Trichlorobenzene
 Concen: 100.248 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	403935		
182	94.6		47.4	142.3
145	33.2		16.2	48.6

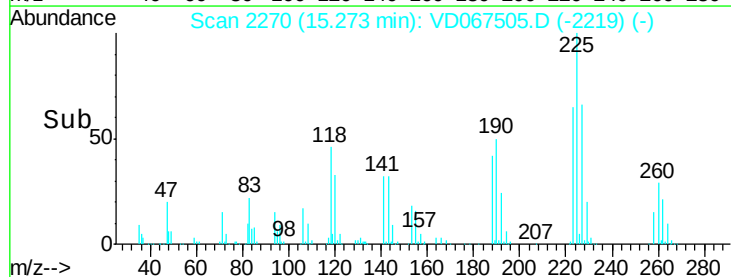
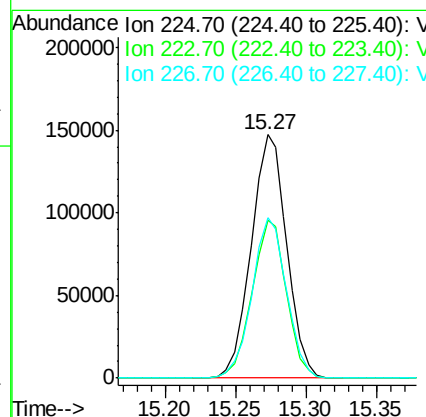
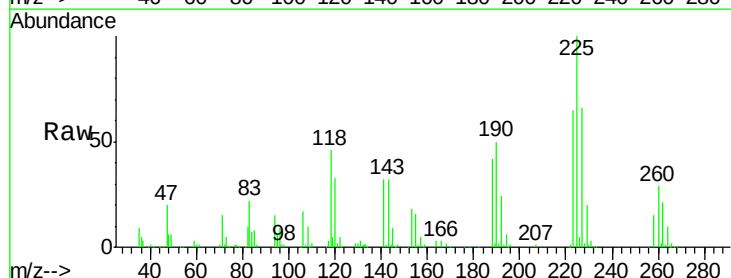
Manual Integrations
 APPROVED

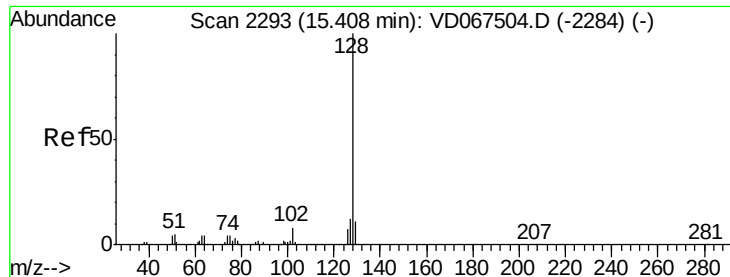
MMDadoda
 11/4/2020 10:43:26 AM



#94
 Hexachlorobutadiene
 Concen: 96.176 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	259361		
223	62.7		31.9	95.5
227	64.0		32.5	97.4





#95

Naphthalene

Concen: 107.854 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

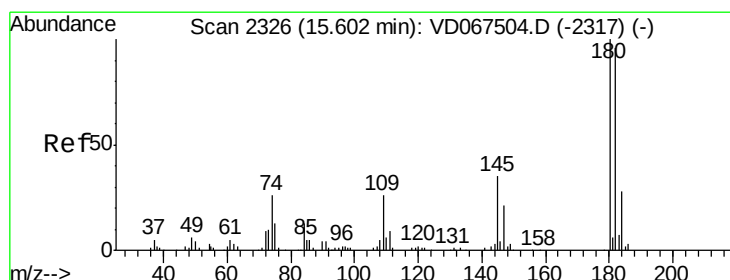
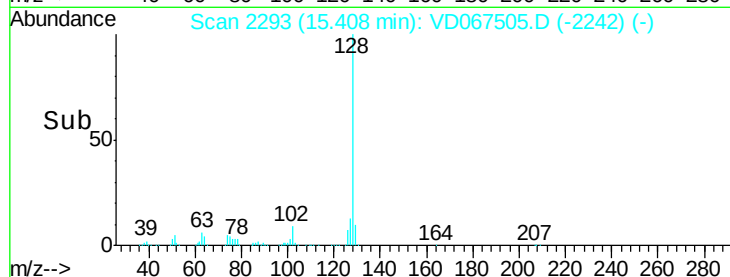
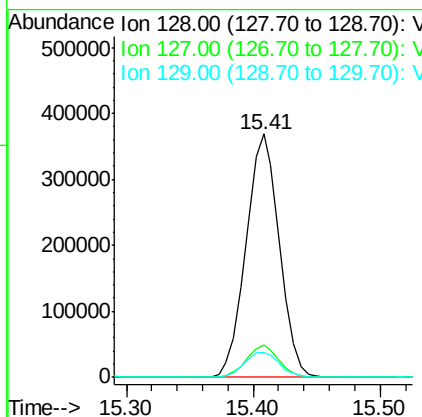
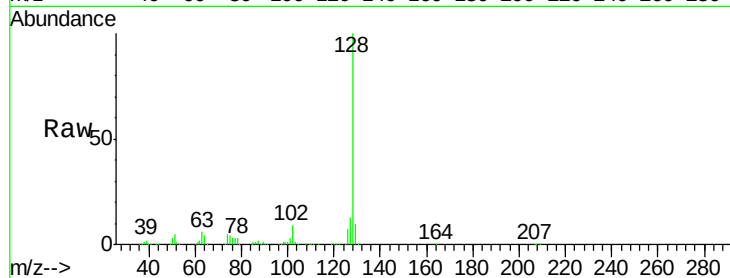
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	670667
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/4/2020 10:43:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 99.690 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Tgt Ion:	180	Resp:	343978
Ion Ratio		Lower	Upper
180	100		
182	94.0	46.9	140.8
145	33.9	17.1	51.2

