

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067531.D
 Acq On : 04 Nov 2020 20:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 7:01:11 PM

Quant Time: Nov 05 01:45:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	305556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	452884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	426642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214742	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	133198	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	7.92	113	133882	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.34	98	468902	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.64	95	169864	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	116865	46.974	ug/l	99
3) Chloromethane	2.21	50	85312	44.836	ug/l	98
4) Vinyl Chloride	2.35	62	89801	42.331	ug/l	99
5) Bromomethane	2.77	94	75581	43.957	ug/l	99
6) Chloroethane	2.93	64	57959	44.315	ug/l	100
7) Trichlorofluoromethane	3.27	101	244148	44.448	ug/l	96
8) Diethyl Ether	3.71	74	57618	52.058	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	128763	46.441	ug/l	97
10) Methyl Iodide	4.30	142	132308	44.523	ug/l	99
11) Tert butyl alcohol	5.23	59	34119	300.409	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	119508	46.860	ug/l	97
13) Acrolein	3.92	56	38691	317.618	ug/l	98
14) Allyl chloride	4.72	41	132115	48.403	ug/l	99
15) Acrylonitrile	5.43	53	111405	272.295	ug/l	97
16) Acetone	4.16	43	89740	224.455	ug/l	100
17) Carbon Disulfide	4.41	76	353944	45.291	ug/l	99
18) Methyl Acetate	4.72	43	43205	52.294	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	278440	55.350	ug/l	94
20) Methylene Chloride	4.97	84	141765	50.196	ug/l	99
21) trans-1,2-Dichloroethene	5.48	96	139885	47.092	ug/l	94
22) Diisopropyl ether	6.37	45	278706	52.398	ug/l	95
23) Vinyl Acetate	6.31	43	781694	280.757	ug/l	99
24) 1,1-Dichloroethane	6.27	63	211783	48.670	ug/l	97
25) 2-Butanone	7.22	43	115678	270.775	ug/l	99
26) 2,2-Dichloropropane	7.21	77	209937	45.713	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	155925	50.572	ug/l	100
28) Bromochloromethane	7.55	49	85684	55.358	ug/l	98
29) Tetrahydrofuran	7.56	42	74719	291.984	ug/l	98
30) Chloroform	7.71	83	261719	50.415	ug/l	98
31) Cyclohexane	7.99	56	164485	42.447	ug/l #	86
32) 1,1,1-Trichloroethane	7.91	97	256386	47.867	ug/l	98
36) 1,1-Dichloropropene	8.11	75	183893	47.437	ug/l	99
37) Ethyl Acetate	7.29	43	57549	57.181	ug/l	96
38) Carbon Tetrachloride	8.10	117	240125	47.674	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	216622	47.477	ug/l	96
40) Benzene	8.36	78	523926	49.894	ug/l	100
41) Methacrylonitrile	7.53	41	29472	48.990	ug/l	97
42) 1,2-Dichloroethane	8.43	62	163113	50.275	ug/l	99
43) Isopropyl Acetate	8.46	43	106089	53.300	ug/l	99
44) Trichloroethene	9.12	130	162605	47.094	ug/l	99
45) 1,2-Dichloropropane	9.39	63	113113	49.822	ug/l	94
46) Dibromomethane	9.48	93	74749	51.781	ug/l	98
47) Bromodichloromethane	9.67	83	201776	51.426	ug/l	96
48) Methyl methacrylate	9.46	41	50925	49.552	ug/l #	83
49) 1,4-Dioxane	9.46	88	16992	1159.506	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	266295	279.743	ug/l	100
52) Toluene	10.41	92	354122	50.348	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	175977	52.368	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	203689	51.018	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	102527	53.679	ug/l	99
56) Ethyl methacrylate	10.67	69	110681	56.115	ug/l	99
57) 1,3-Dichloropropane	10.96	76	161225	52.456	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	275306	299.316	ug/l	98
59) 2-Hexanone	10.99	43	185494	278.691	ug/l	100
60) Dibromochloromethane	11.14	129	150121	53.133	ug/l	99
61) 1,2-Dibromoethane	11.25	107	103319	53.898	ug/l	97
64) Tetrachloroethene	10.88	164	145189	45.951	ug/l	96
65) Chlorobenzene	11.67	112	397069	48.315	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	160020	49.403	ug/l	98
67) Ethyl Benzene	11.75	91	680600	48.396	ug/l	98
68) m/p-Xylenes	11.86	106	532212	97.276	ug/l	98
69) o-Xylene	12.18	106	243025	49.751	ug/l	99
70) Styrene	12.20	104	420589	49.412	ug/l	100
71) Bromoform	12.37	173	85558	51.792	ug/l #	98
73) Isopropylbenzene	12.48	105	676016	48.710	ug/l	100
74) N-amyl acetate	12.29	43	95388	52.234	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	98814	52.214	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	73088m	56.419	ug/l	
77) Bromobenzene	12.77	156	166156	48.750	ug/l	98
78) n-propylbenzene	12.83	91	761351	47.961	ug/l	100
79) 2-Chlorotoluene	12.91	91	444338	49.275	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	581169	49.021	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	31214	48.920	ug/l	97
82) 4-Chlorotoluene	13.01	91	468252	48.417	ug/l	99
83) tert-Butylbenzene	13.23	119	500320	49.794	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	586554	49.703	ug/l	98
85) sec-Butylbenzene	13.41	105	654770	48.273	ug/l	100
86) p-Isopropyltoluene	13.52	119	625656	47.766	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	316366	48.644	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	311877	47.359	ug/l	99
89) n-Butylbenzene	13.84	91	535123	47.298	ug/l	99
90) Hexachloroethane	14.11	117	118433	48.014	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	278597	49.496	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17796	53.111	ug/l	94

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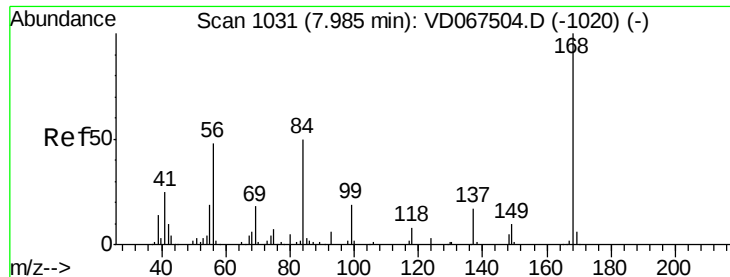
Manual Integrations
APPROVED

MMDadoda
11/5/2020 7:01:11 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	190347	49.825	ug/l	98
94) Hexachlorobutadiene	15.27	225	116395	45.524	ug/l	98
95) Naphthalene	15.41	128	330024	55.978	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	163933	50.110	ug/l	97

(#) = 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: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 305556

Ion Ratio Lower Upper

168 100

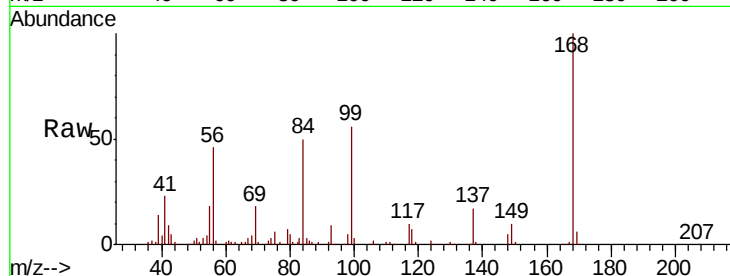
99 55.7 45.0 67.6

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

150000

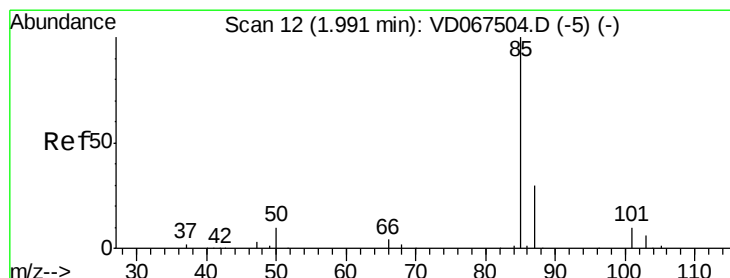
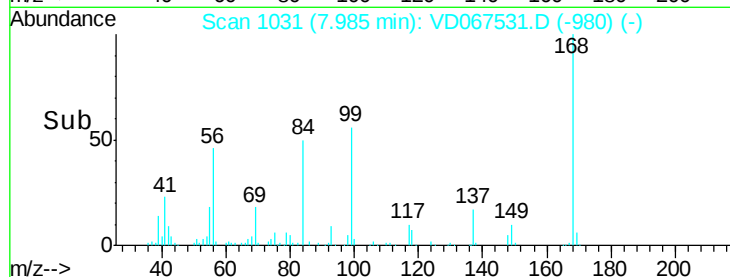
100000

50000

0

7.90 7.98 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.974 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067531.D

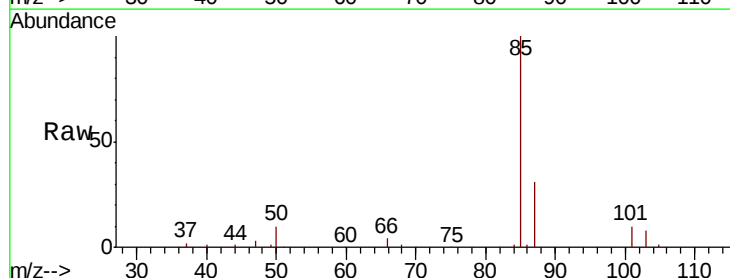
Acq: 04 Nov 2020 20:12

Tgt Ion: 85 Resp: 116865

Ion Ratio Lower Upper

85 100

87 30.9 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

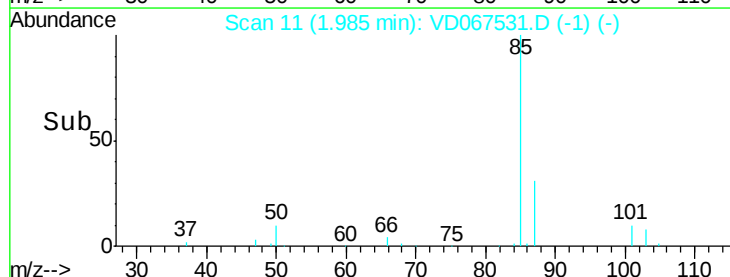
40000

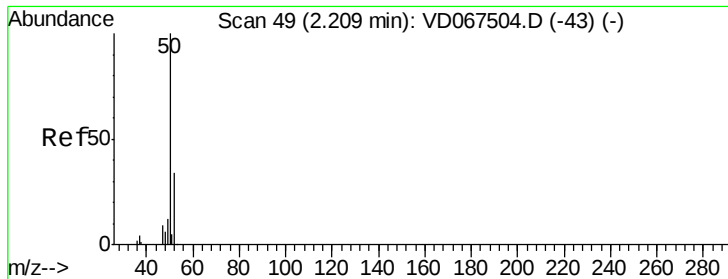
20000

0

1.90 1.95 1.99 2.00 2.05

Time-->





#3

Chloromethane

Concen: 44.836 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 85312

Ion Ratio Lower Upper

50 100

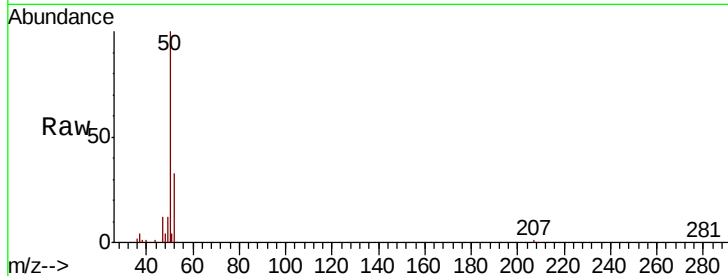
52 33.1 27.3 40.9

Manual Integrations

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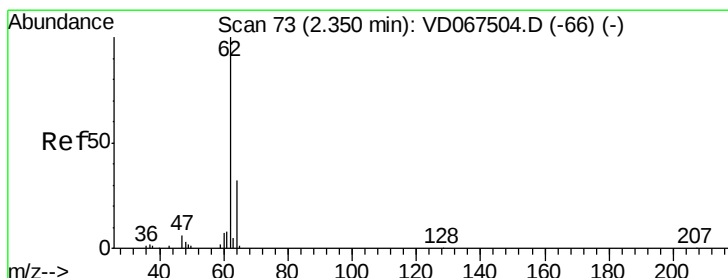
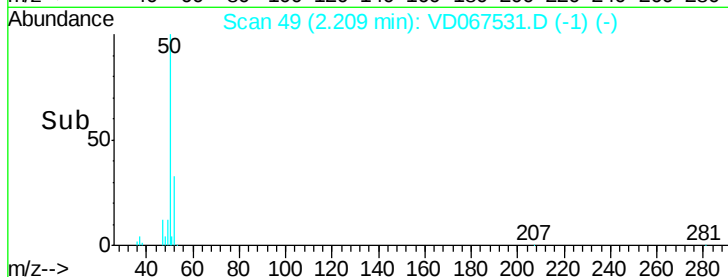
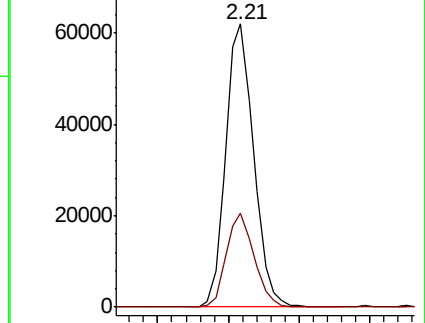
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.331 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067531.D

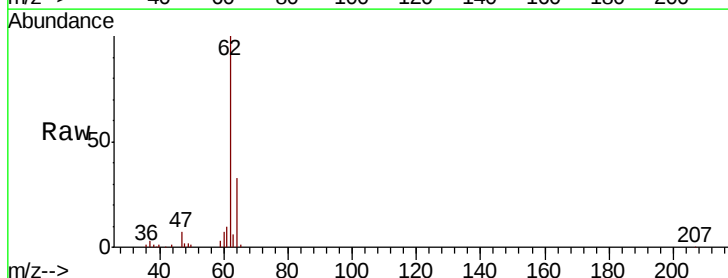
Acq: 04 Nov 2020 20:12

Tgt Ion: 62 Resp: 89801

Ion Ratio Lower Upper

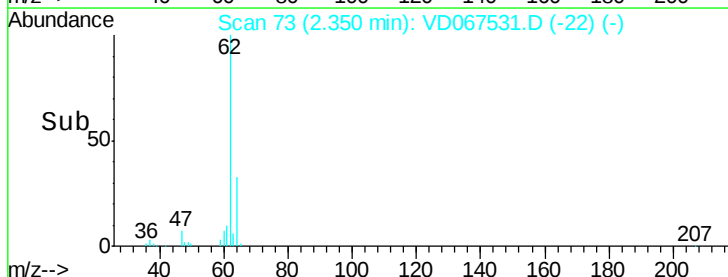
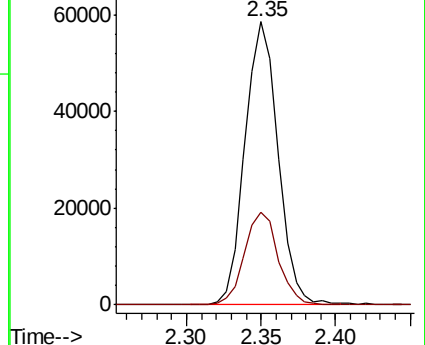
62 100

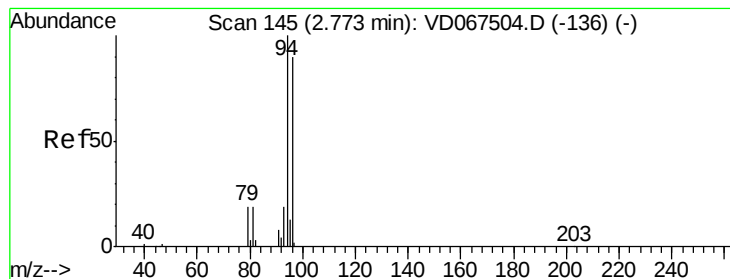
64 32.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 43.957 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 75581

Ion Ratio Lower Upper

94 100

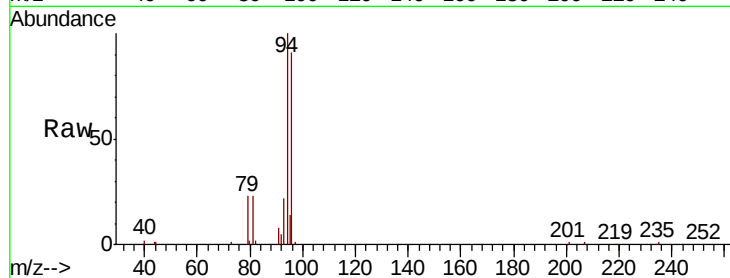
96 91.5 72.2 108.2

Manual Integrations

APPROVED

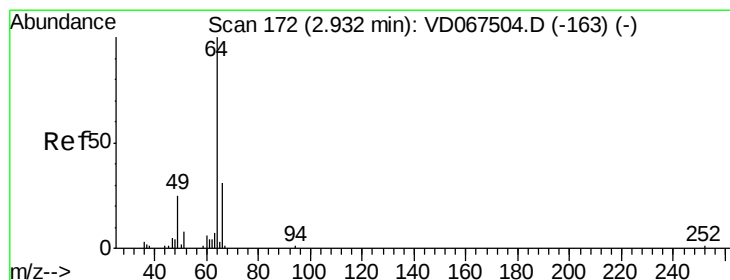
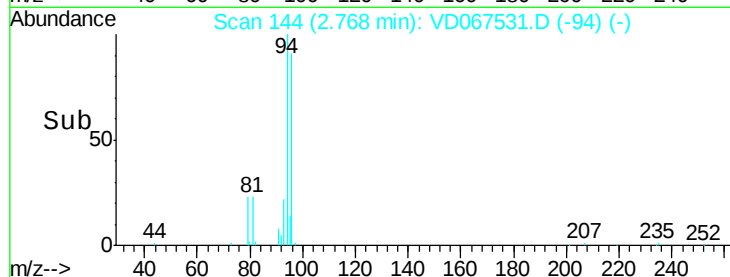
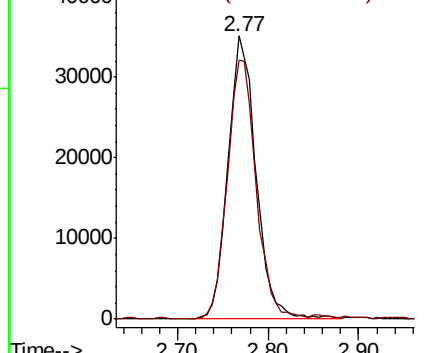
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.315 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067531.D

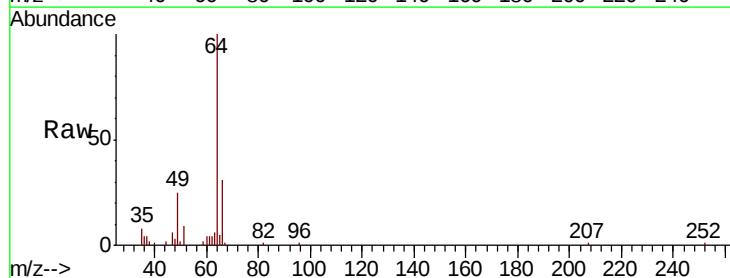
Acq: 04 Nov 2020 20:12

Tgt Ion: 64 Resp: 57959

Ion Ratio Lower Upper

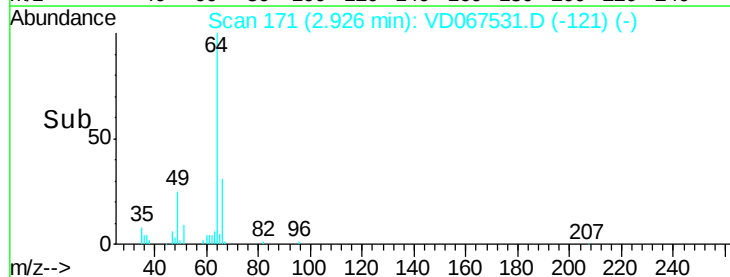
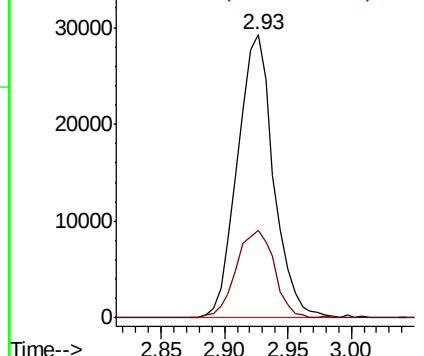
64 100

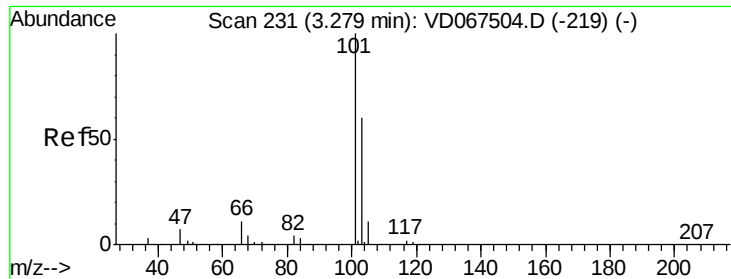
66 31.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

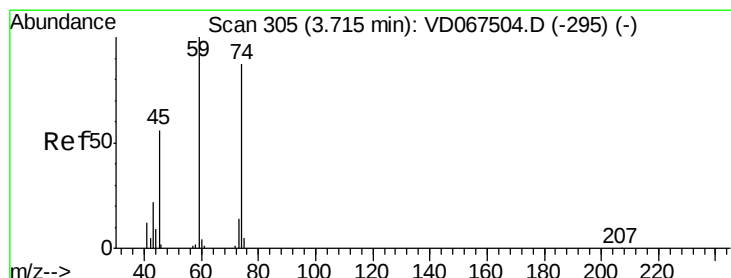
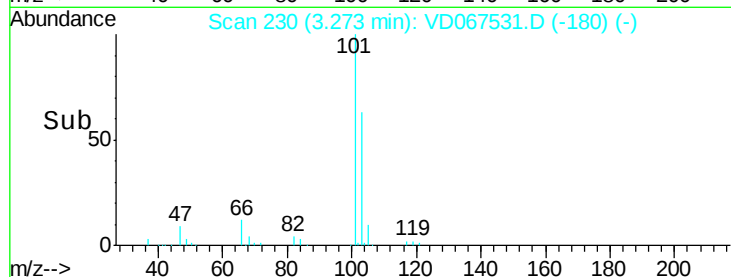
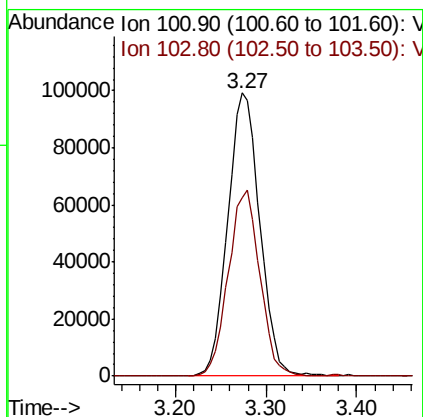
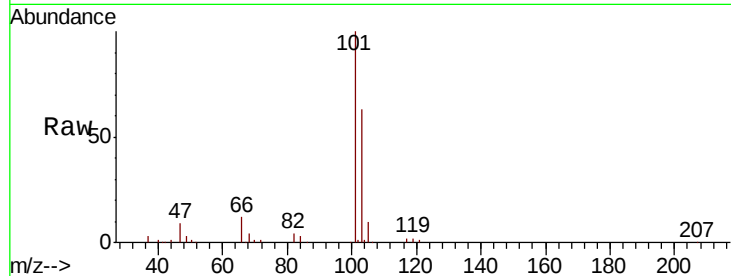
Trichlorofluoromethane
 Concen: 44.448 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	48.1	72.1

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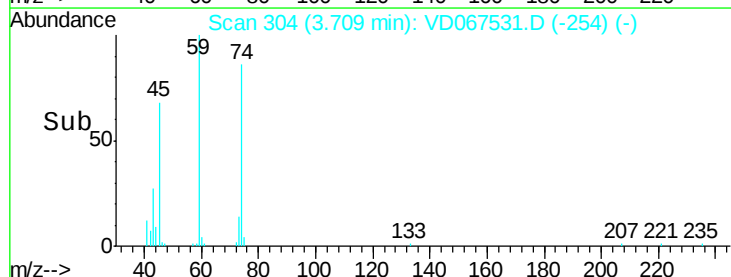
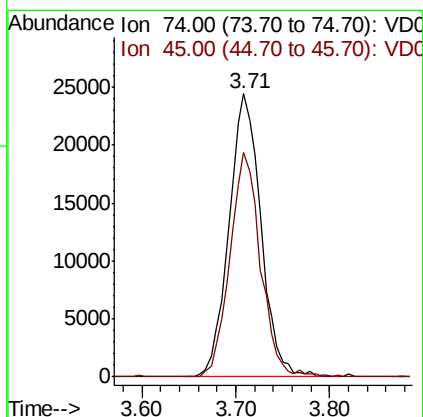
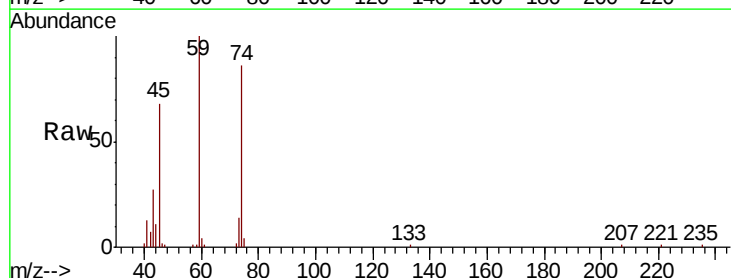
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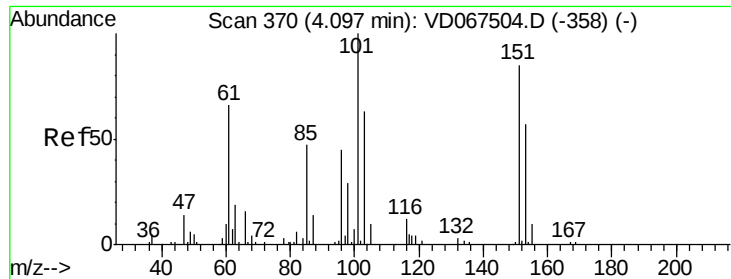


#8

Diethyl Ether
 Concen: 52.058 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	75.2	38.2	114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.441 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

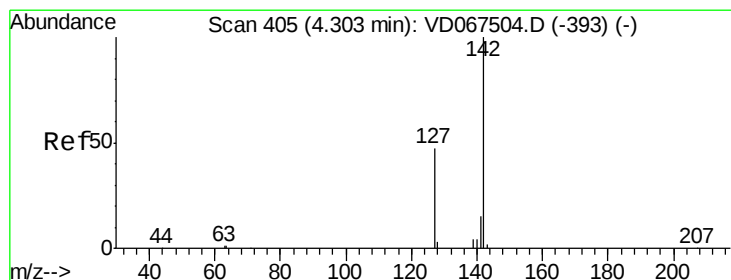
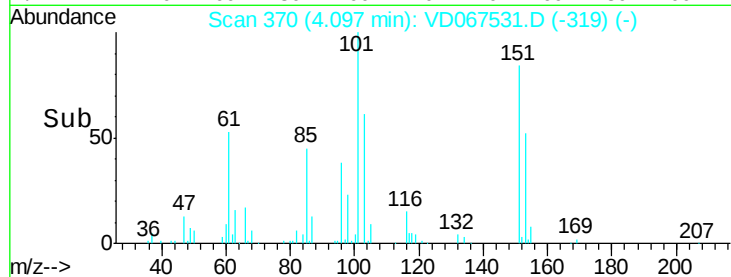
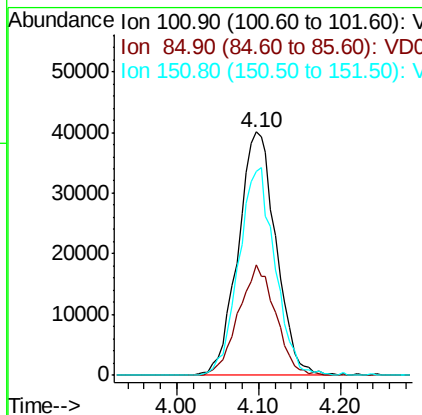
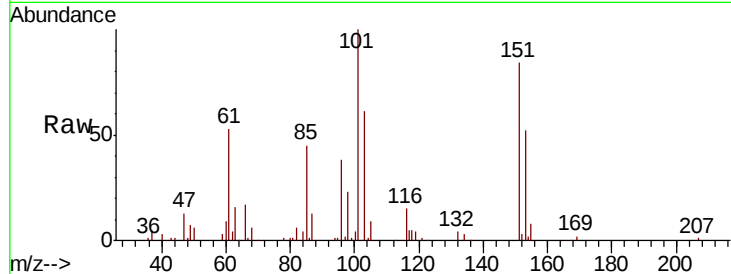
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	128763
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.4	51.6
151	81.8	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 44.523 ug/l

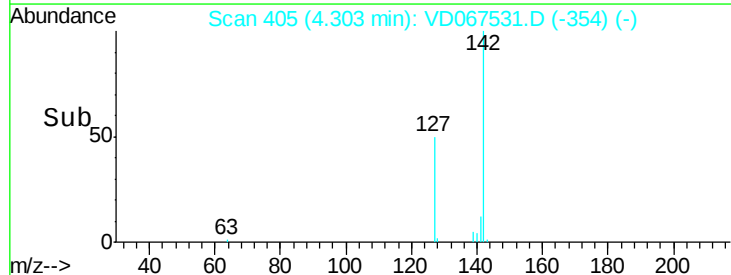
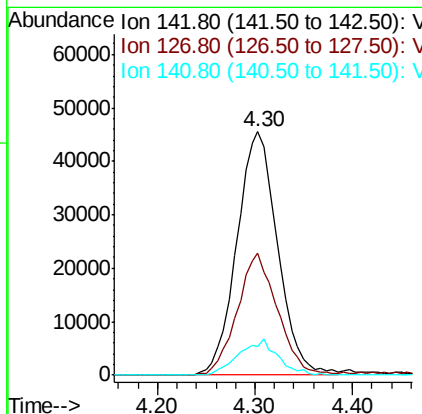
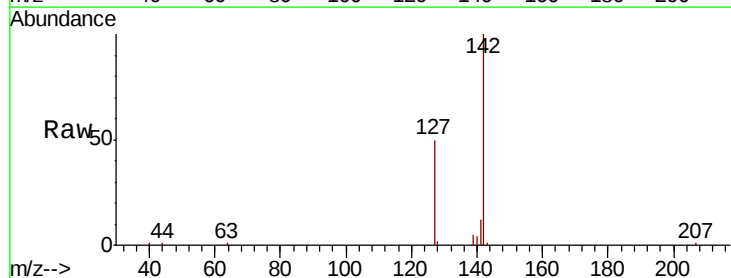
RT: 4.30 min Scan# 405

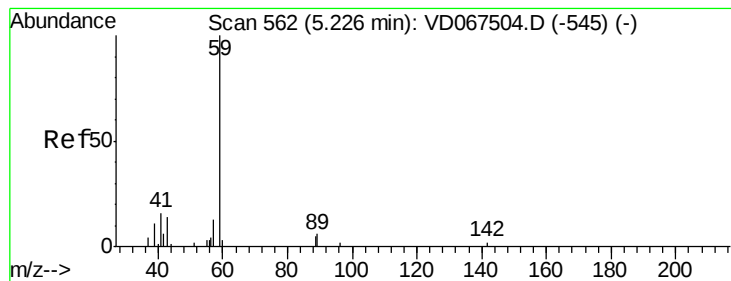
Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Tgt Ion:	142	Resp:	132308
Ion Ratio	Lower	Upper	
142	100		
127	49.6	40.0	60.0
141	14.1	11.7	17.5





#11

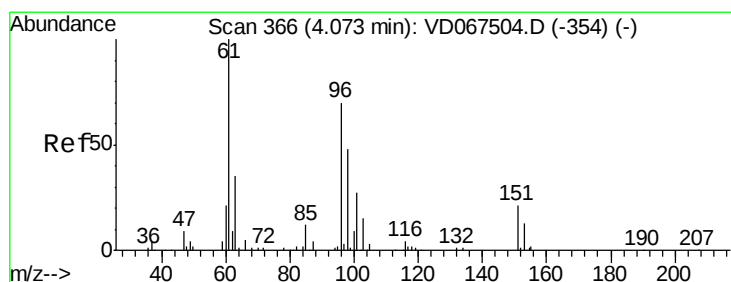
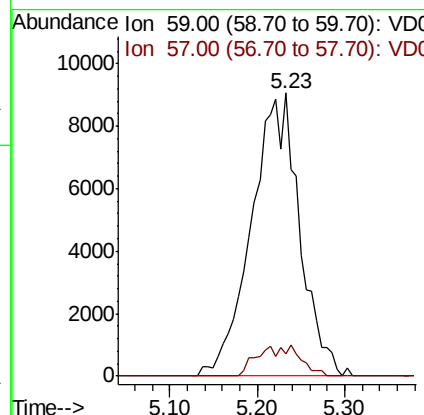
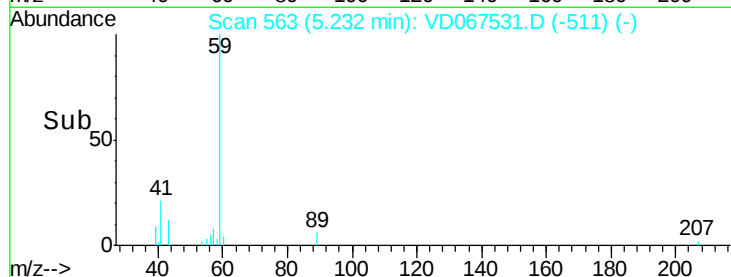
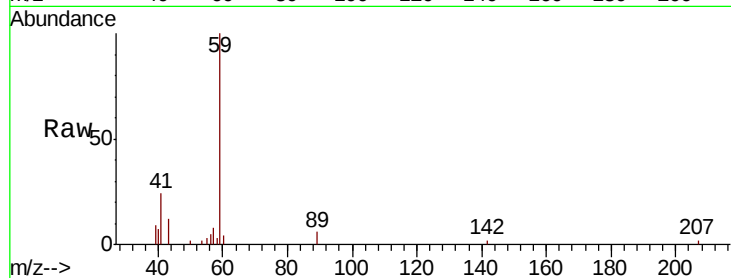
Tert butyl alcohol
Concen: 300.409 ug/l
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 34119
Ion Ratio Lower Upper
59 100
57 4.6 5.9 8.9#

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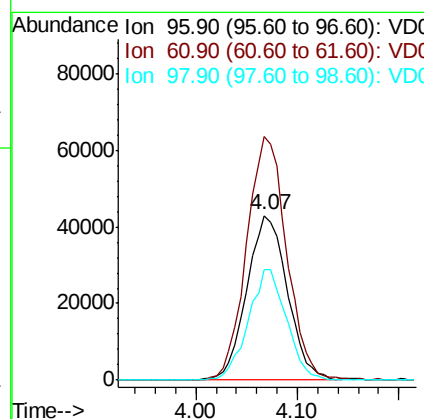
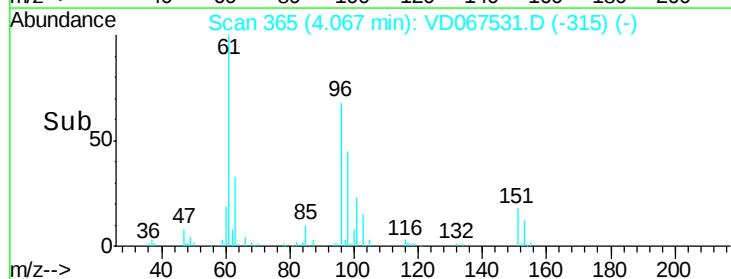
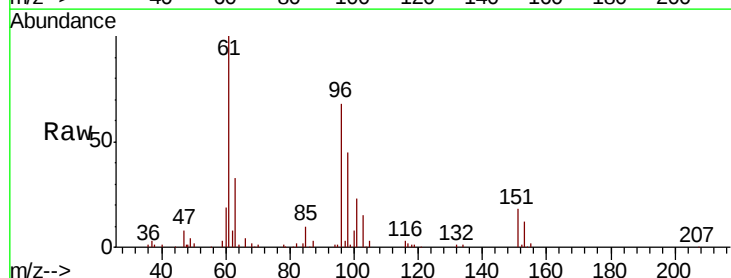
MMDadoda
11/5/2020 7:01:11 PM

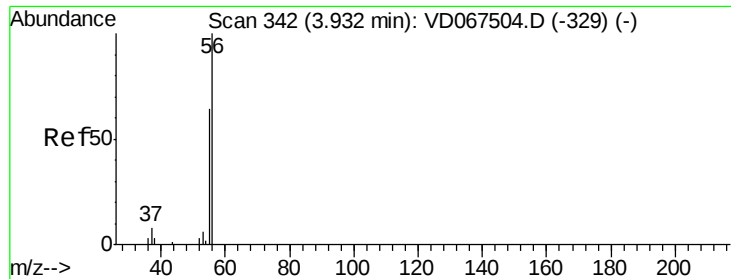


#12

1,1-Dichloroethene
Concen: 46.860 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion: 96 Resp: 119508
Ion Ratio Lower Upper
96 100
61 148.0 114.5 171.7
98 67.1 54.5 81.7





#13

Acrolein

Concen: 317.618 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38691

Ion Ratio Lower Upper

56 100

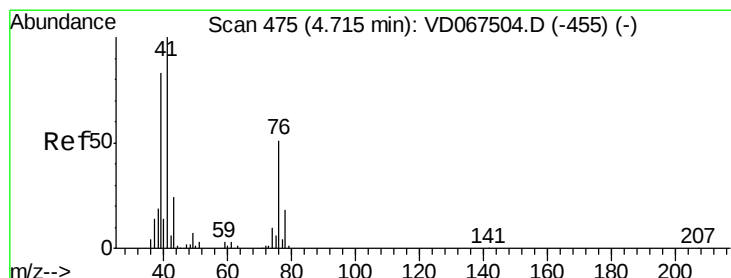
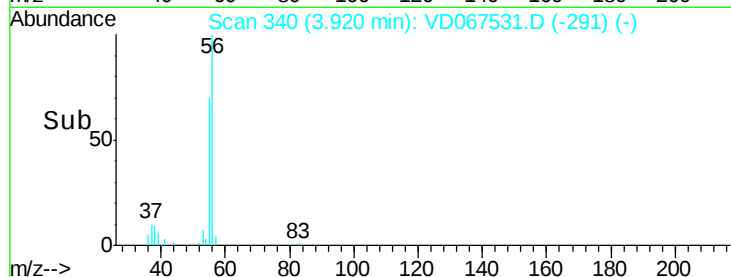
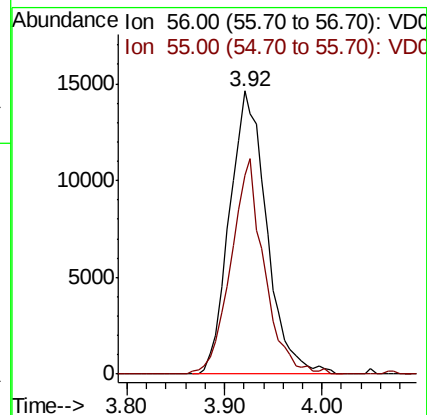
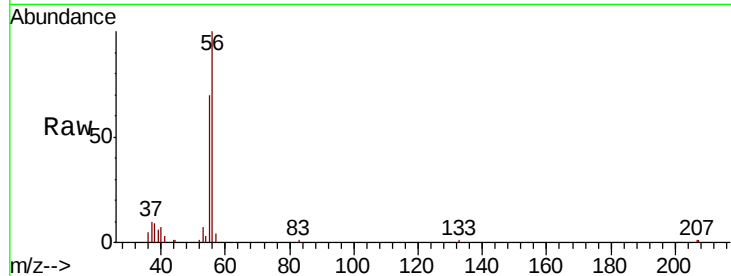
55 68.2 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 48.403 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

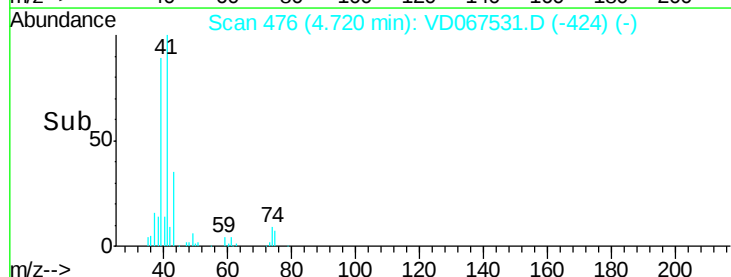
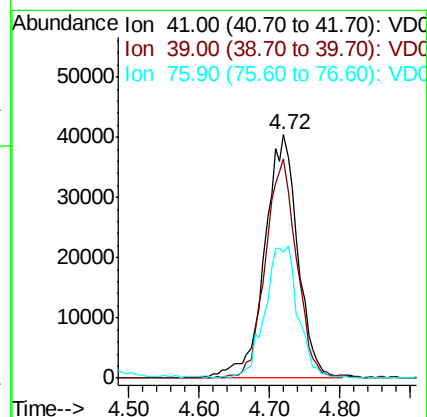
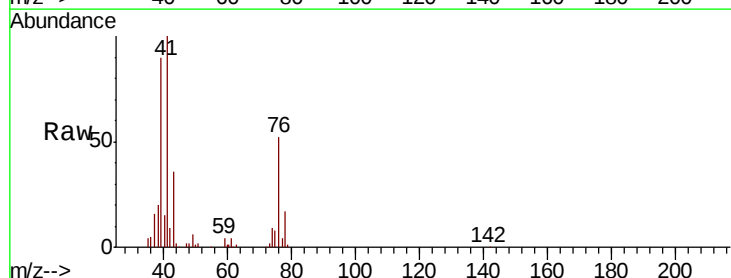
Tgt Ion: 41 Resp: 132115

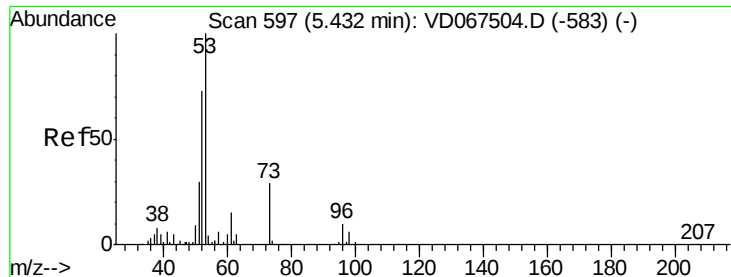
Ion Ratio Lower Upper

41 100

39 84.9 67.4 101.0

76 54.3 42.2 63.2





#15

Acrylonitrile

Concen: 272.295 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

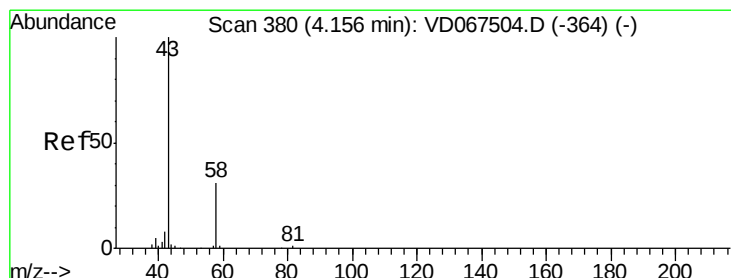
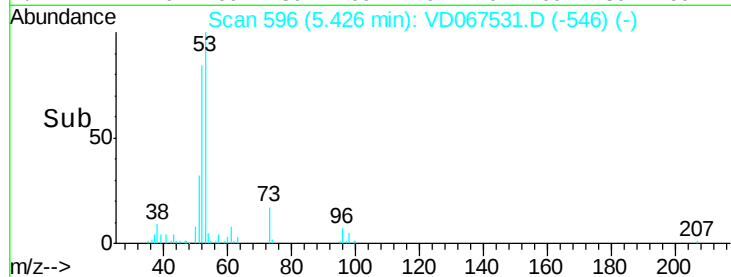
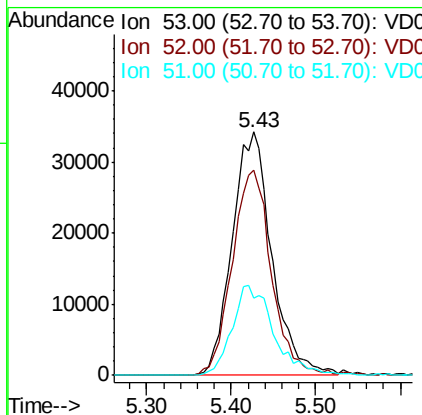
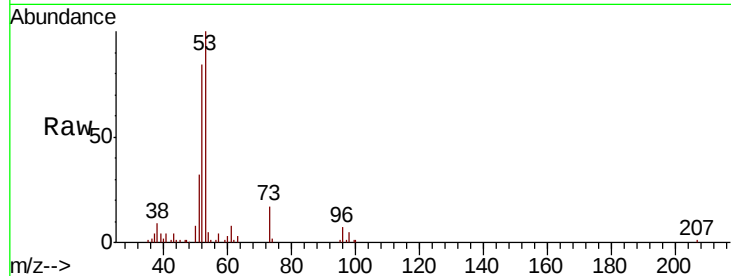
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	111405
Ion	Ratio	Lower	Upper
53	100		
52	83.2	64.8	97.2
51	38.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 224.455 ug/l

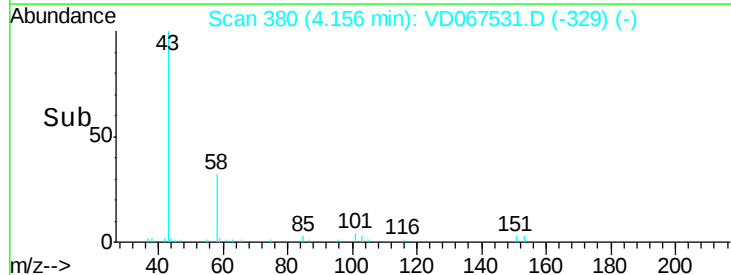
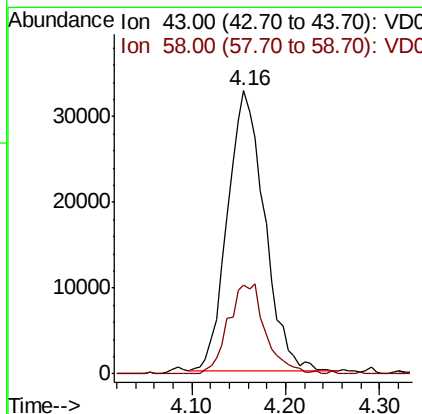
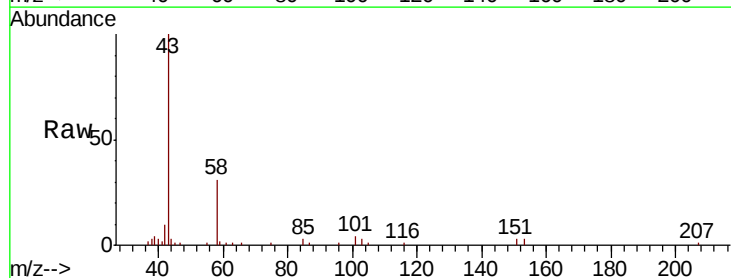
RT: 4.16 min Scan# 380

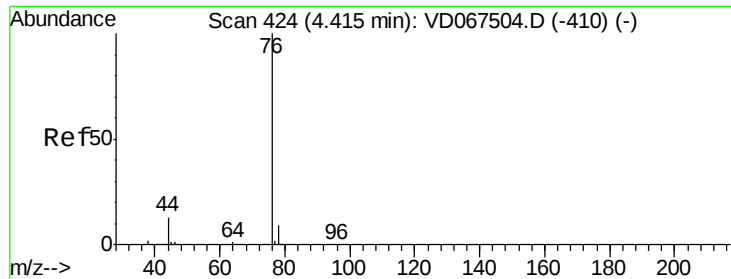
Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Tgt Ion:	43	Resp:	89740
Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.2	37.8





#17

Carbon Disulfide

Concen: 45.291 ug/l

RT: 4.41 min Scan# 424

Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 353944

Ion Ratio Lower Upper

76 100

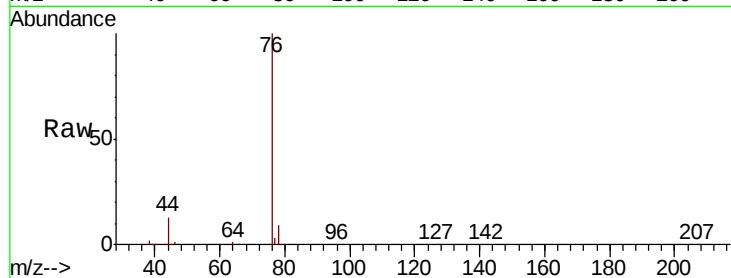
78 8.6 7.2 10.8

Manual Integrations

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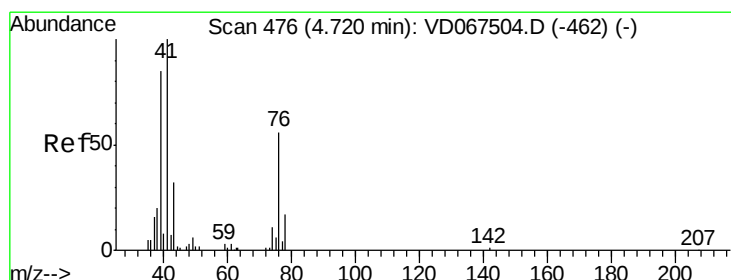
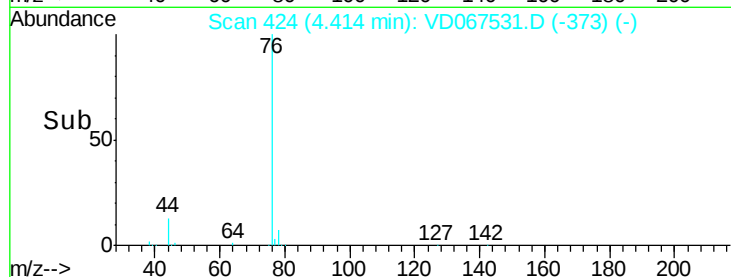
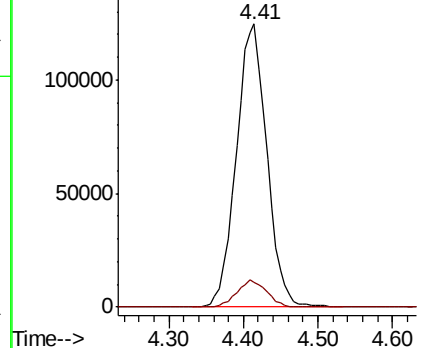
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 52.294 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD067531.D

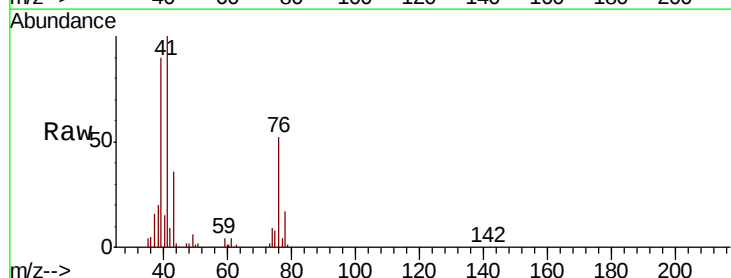
Acq: 04 Nov 2020 20:12

Tgt Ion: 43 Resp: 43205

Ion Ratio Lower Upper

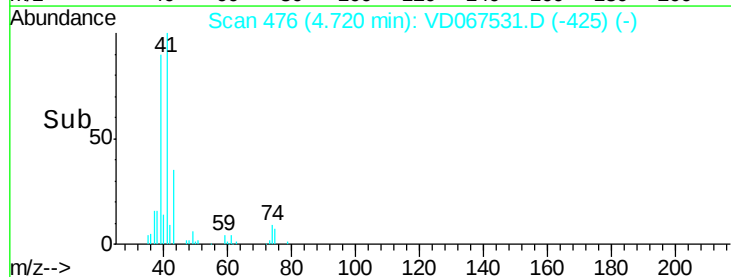
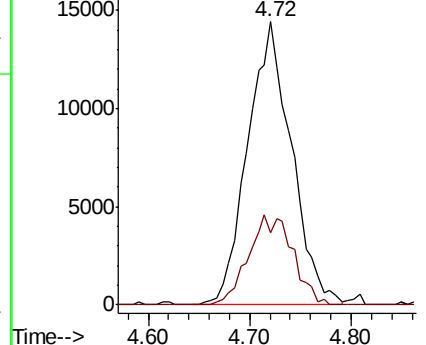
43 100

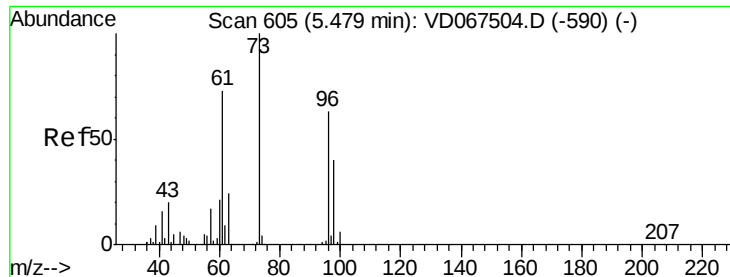
74 32.1 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





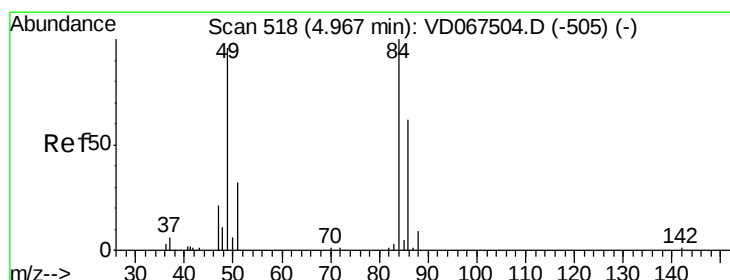
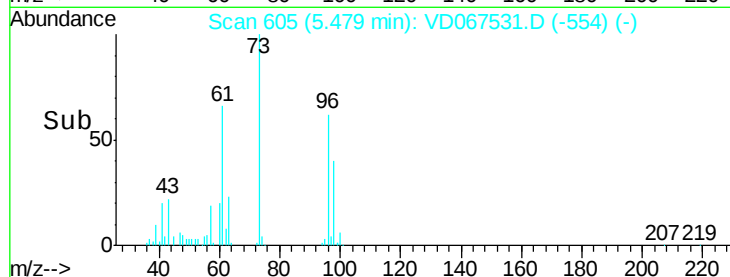
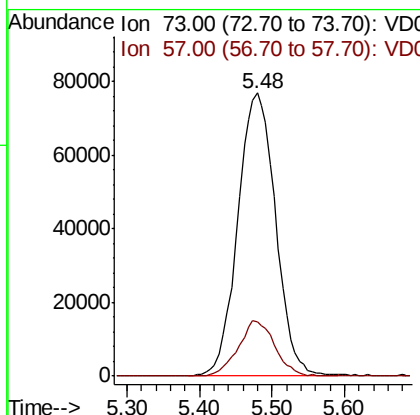
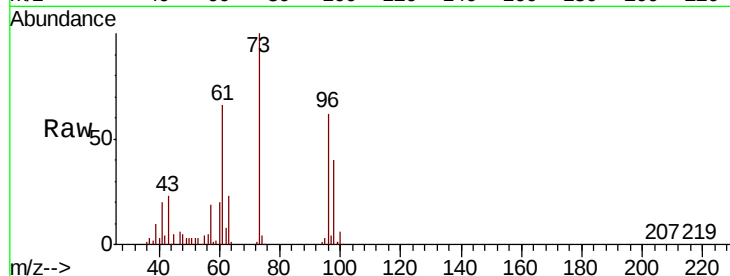
#19
Methvl tert-butvl Ether
Concen: 55.350 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 278440
Ion Ratio Lower Upper
73 100
57 19.4 13.4 20.0

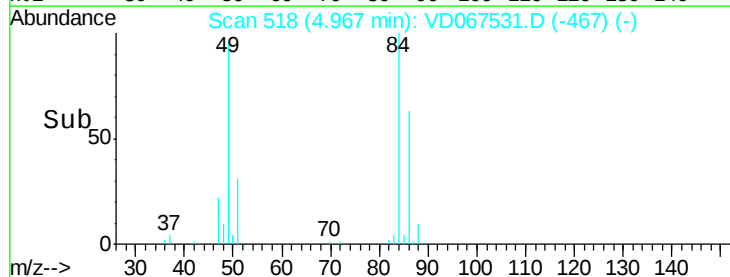
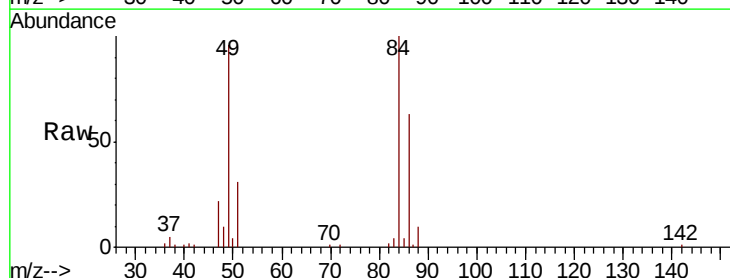
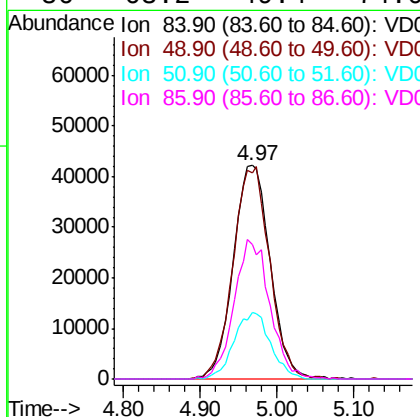
Manual Integrations
APPROVED

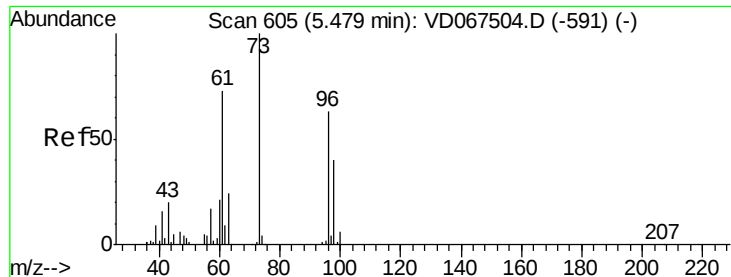
MMDadoda
11/5/2020 7:01:11 PM



#20
Methylene Chloride
Concen: 50.196 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion: 84 Resp: 141765
Ion Ratio Lower Upper
84 100
49 96.5 77.0 115.4
51 31.5 25.4 38.2
86 63.2 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 47.092 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

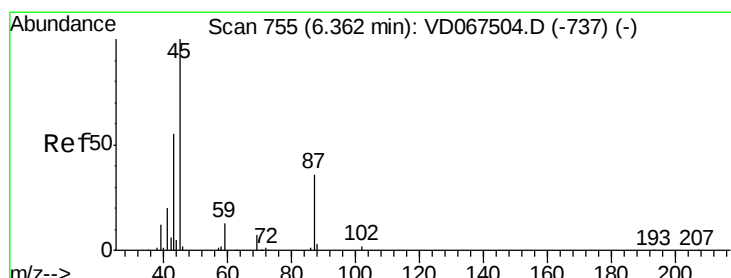
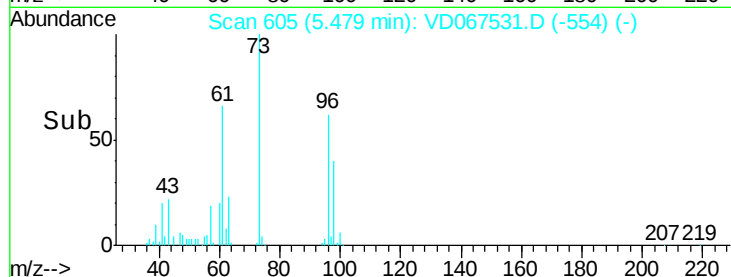
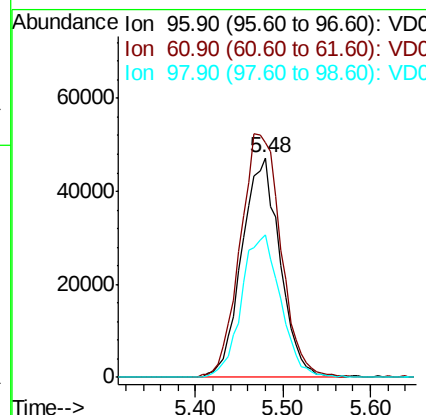
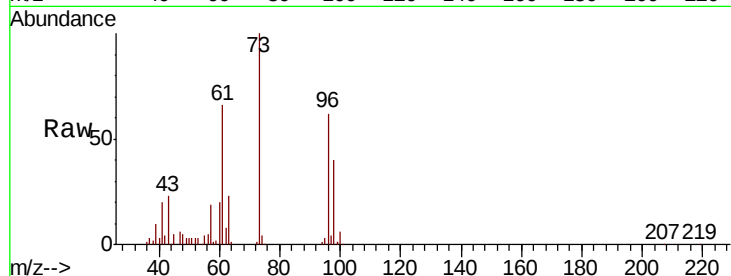
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	139885
Ion	Ratio	Lower	Upper
96	100		
61	106.8	93.0	139.6
98	64.8	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.398 ug/l

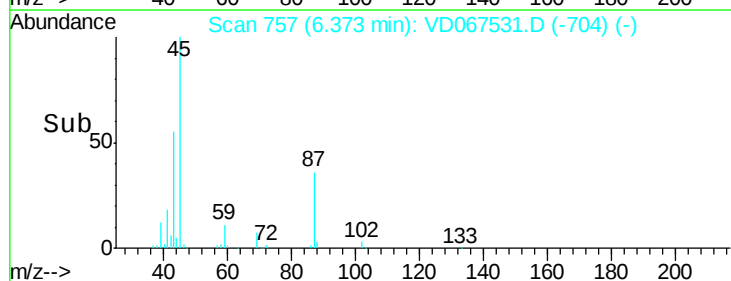
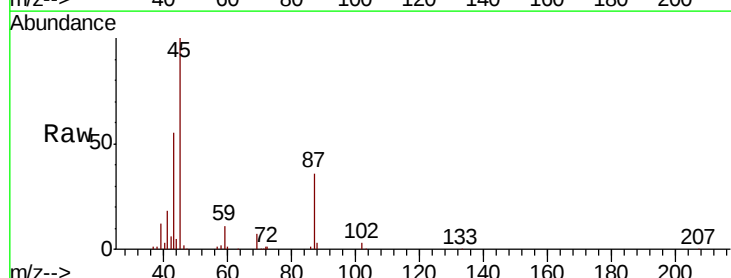
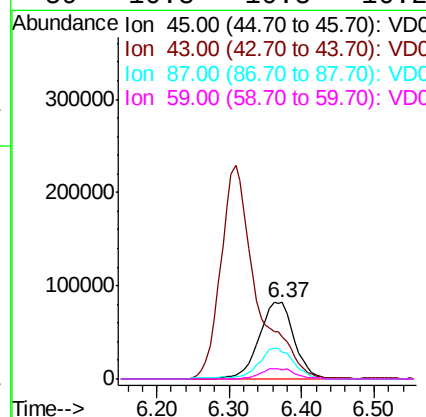
RT: 6.37 min Scan# 757

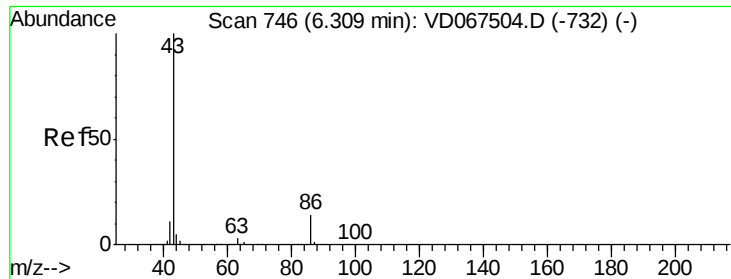
Delta R.T. 0.01 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Tgt Ion:	45	Resp:	278706
Ion	Ratio	Lower	Upper
45	100		
43	53.6	46.2	69.4
87	35.7	29.4	44.2
59	10.8	10.8	16.2





#23

Vinyl Acetate

Concen: 280.757 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 781694

Ion Ratio Lower Upper

43 100

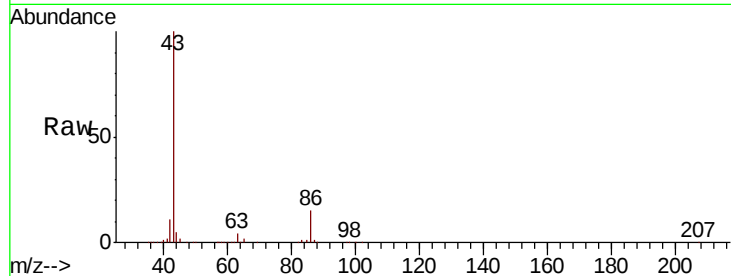
86 14.9 11.6 17.4

Manual Integrations

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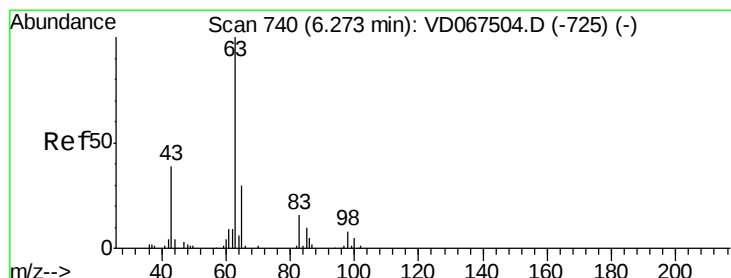
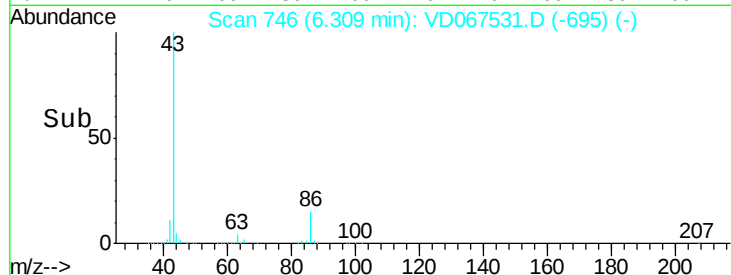
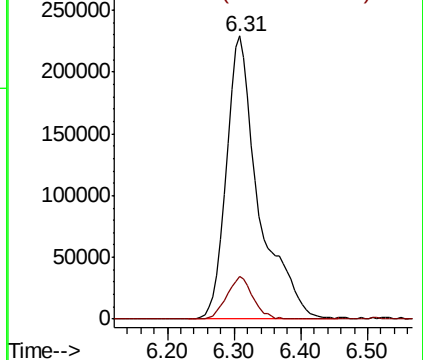
MMDadoda

11/5/2020 7:01:11 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.670 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

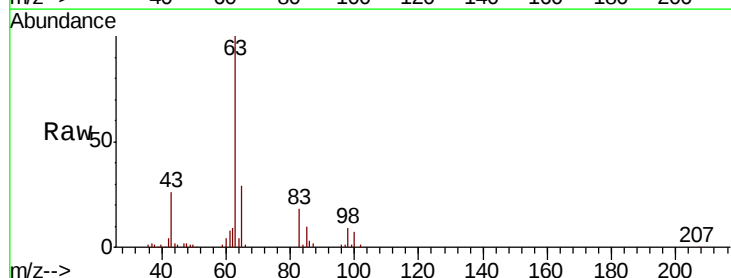
Tgt Ion: 63 Resp: 211783

Ion Ratio Lower Upper

63 100

98 8.6 3.9 11.5

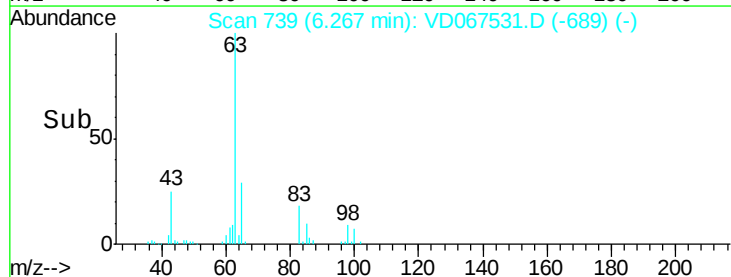
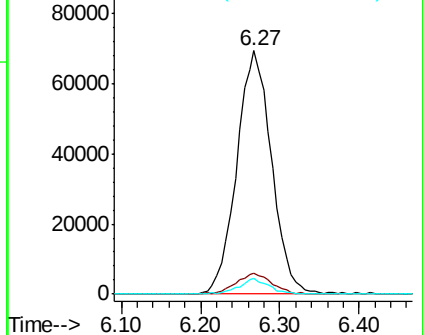
100 6.7 2.6 7.8

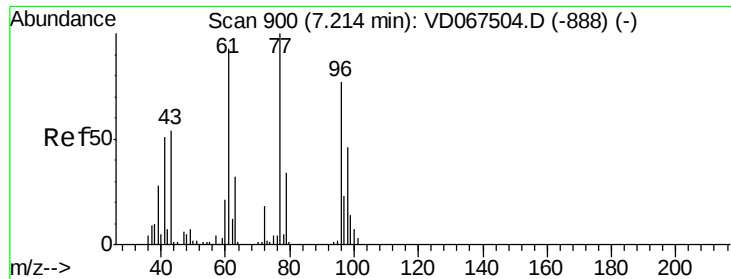


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





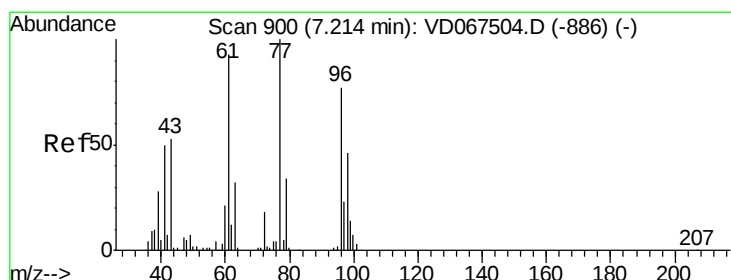
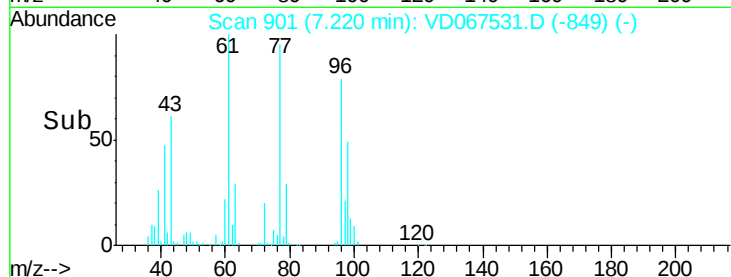
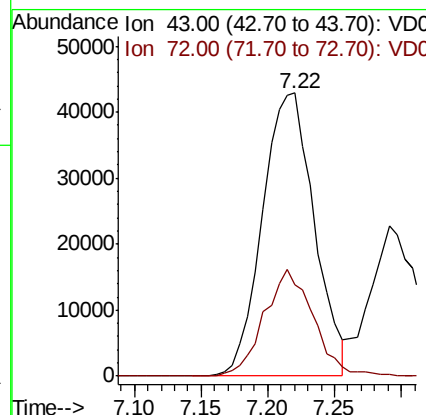
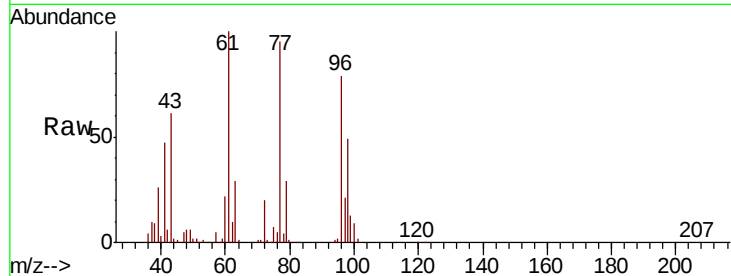
#25
2-Butanone
Concen: 270.775 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 115678
Ion Ratio Lower Upper
43 100
72 32.3 26.4 39.6

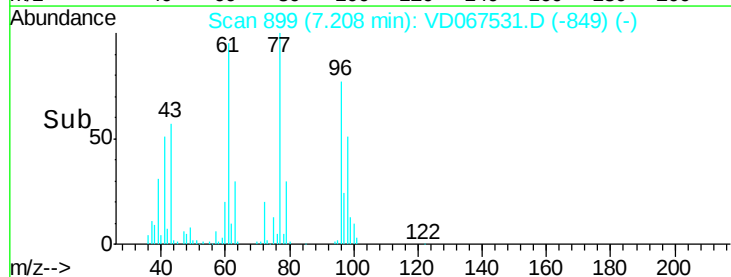
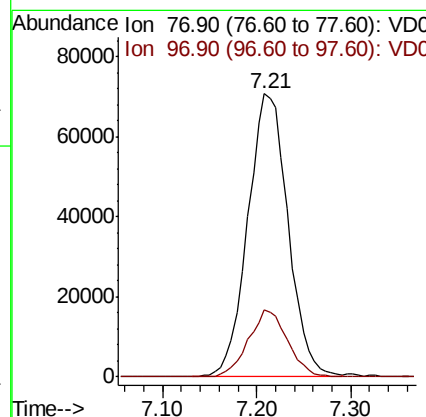
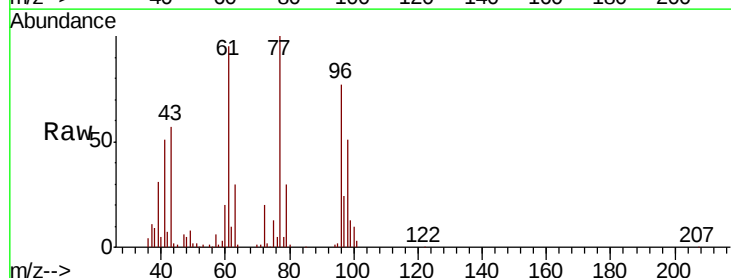
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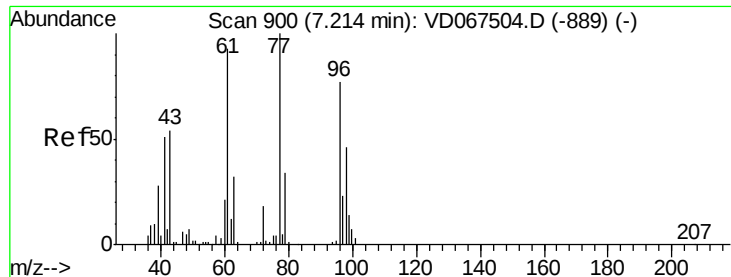
MMDadoda
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#26
2,2-Dichloropropane
Concen: 45.713 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion: 77 Resp: 209937
Ion Ratio Lower Upper
77 100
97 22.8 11.1 33.3





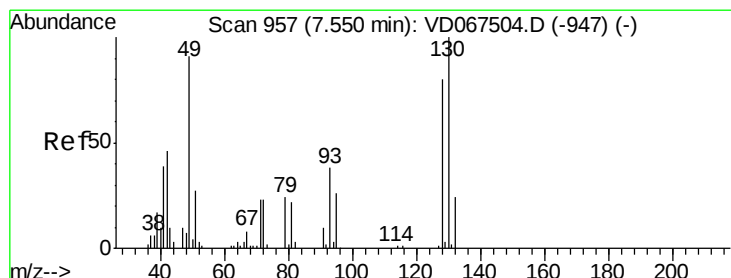
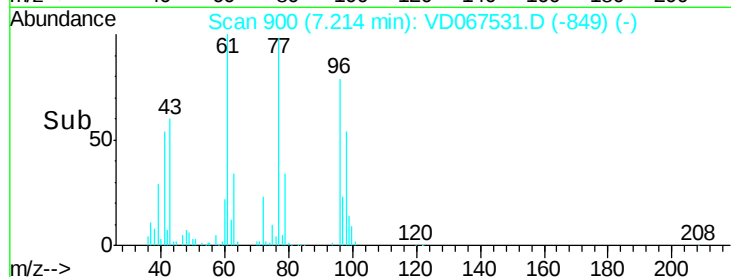
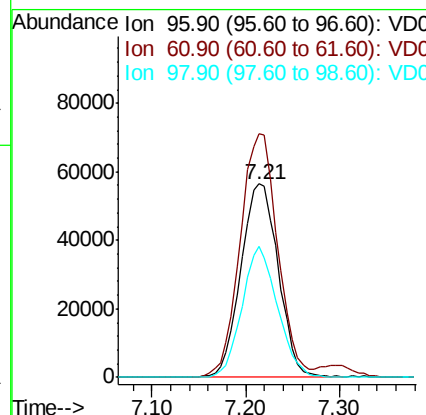
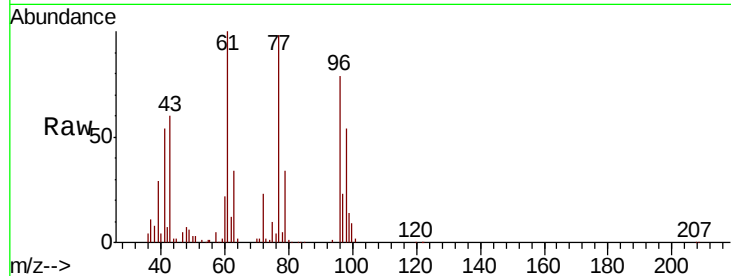
#27
 cis-1,2-Dichloroethene
 Concen: 50.572 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	126.5	0.0	251.6	
98	64.0	0.0	128.0	

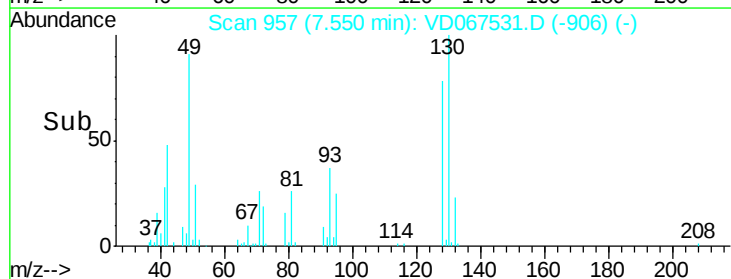
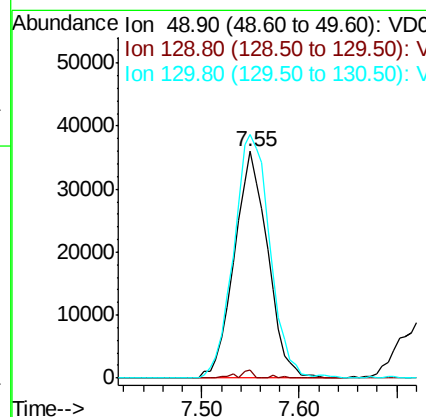
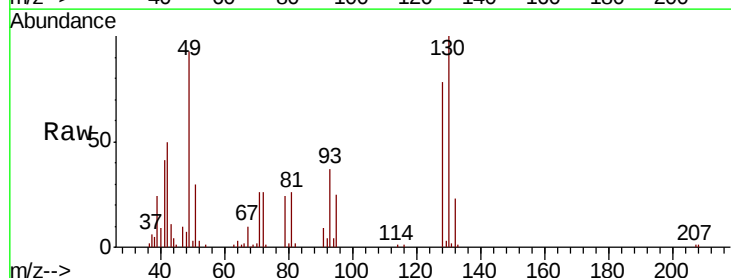
Manual Integrations
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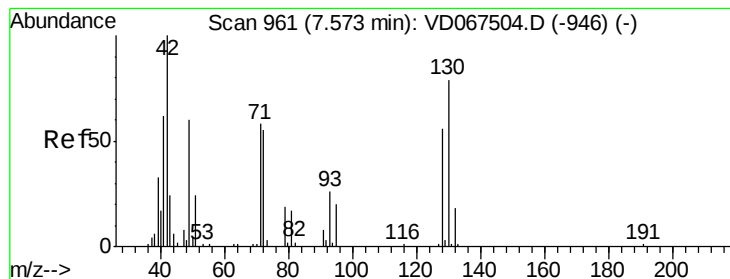
MMDadoda
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#28
 Bromochloromethane
 Concen: 55.358 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	6.4	
130	116.0	94.6	142.0	





#29

Tetrahydrofuran

Concen: 291.984 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

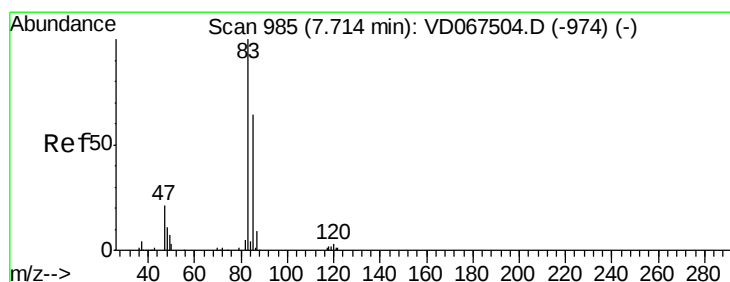
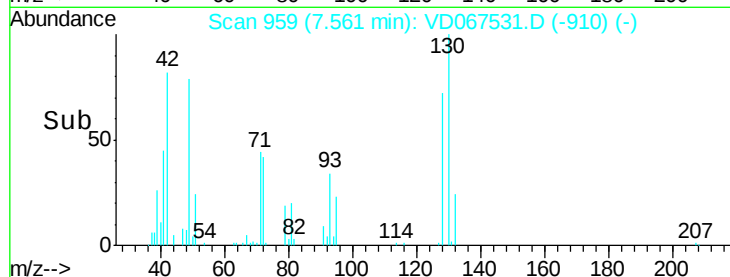
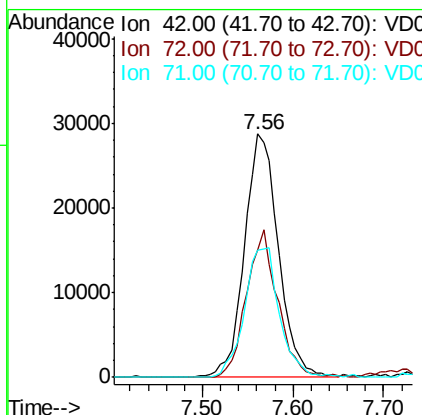
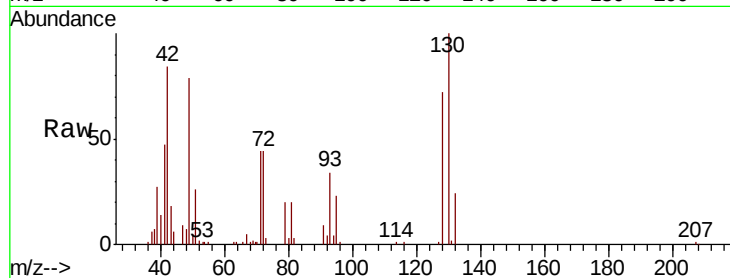
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	74719
Ion	Ratio	Lower	Upper
42	100		
72	55.5	46.3	69.5
71	54.9	44.0	66.0

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#30

Chloroform

Concen: 50.415 ug/l

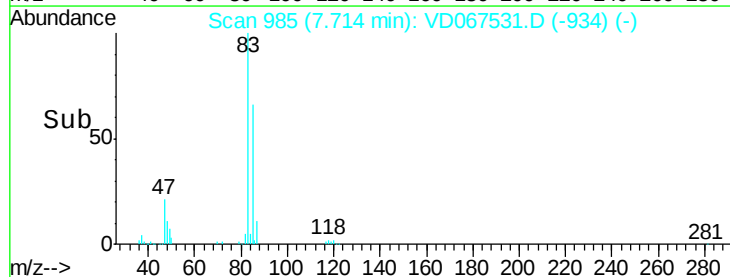
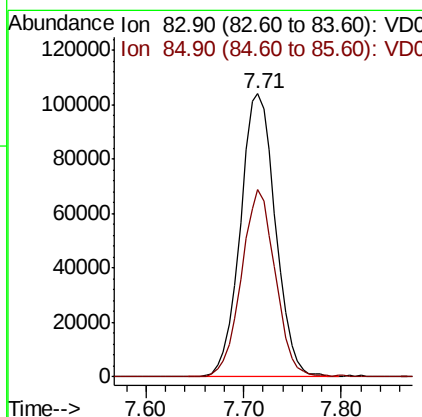
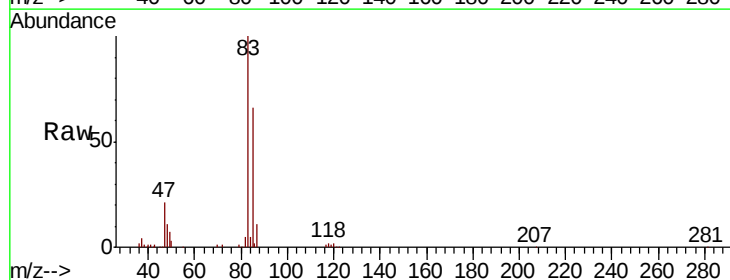
RT: 7.71 min Scan# 985

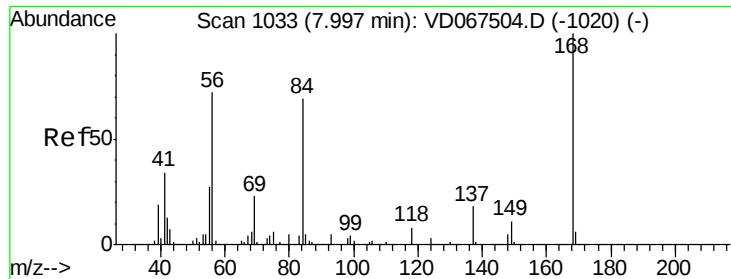
Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Tgt Ion:	83	Resp:	261719
Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3





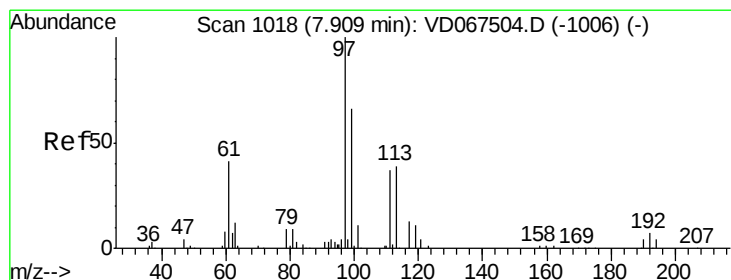
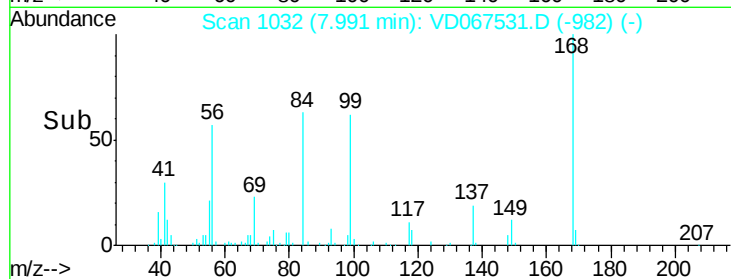
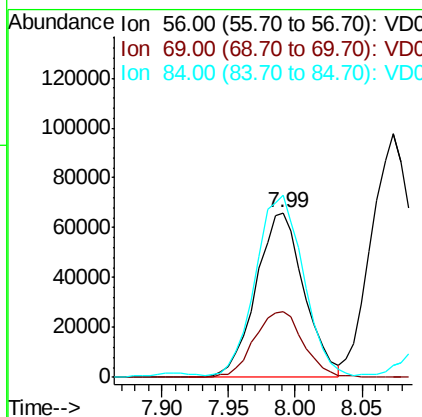
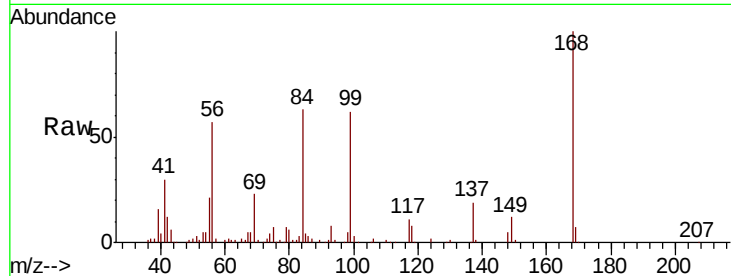
#31
Cyclohexane
Concen: 42.447 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.7	25.9	38.9#
84	109.1	76.2	114.4

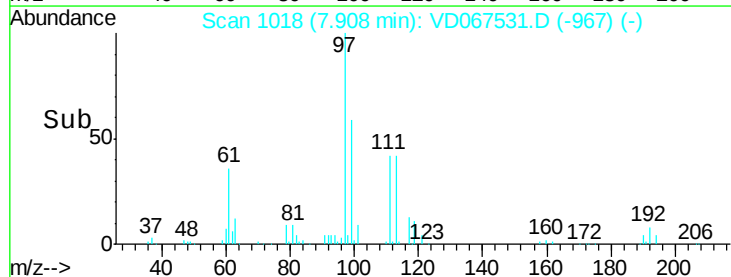
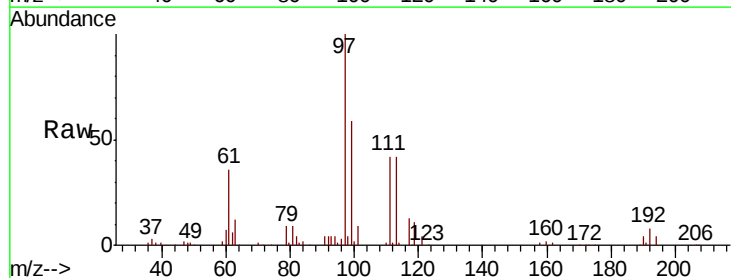
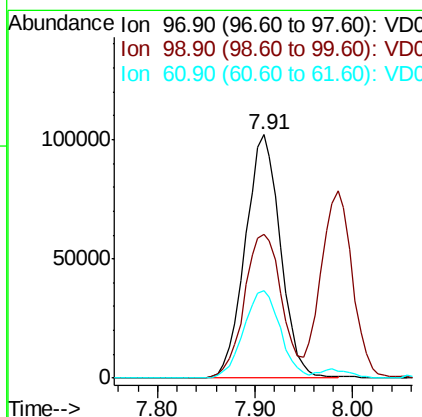
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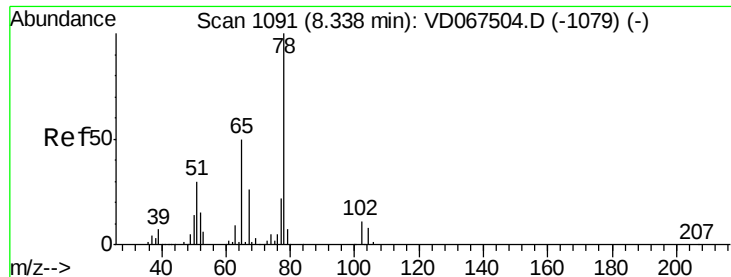
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#32
1,1,1-Trichloroethane
Concen: 47.867 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.6
61	37.3	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 49.854 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 133198

Ion Ratio Lower Upper

65 100

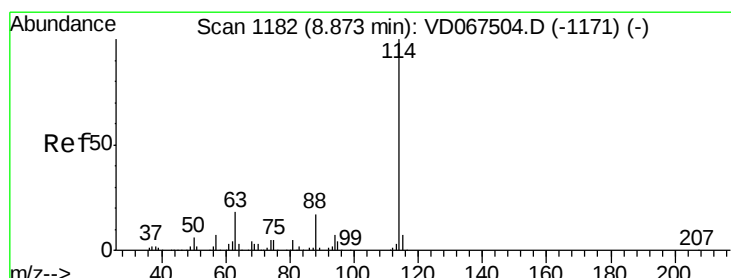
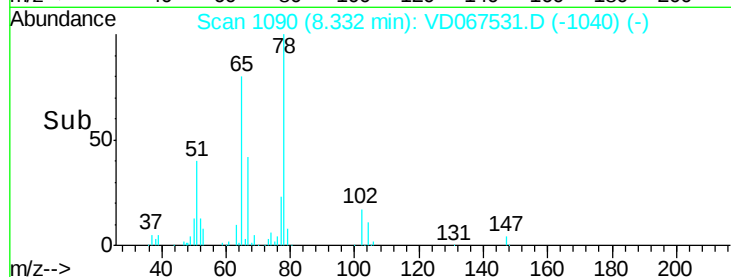
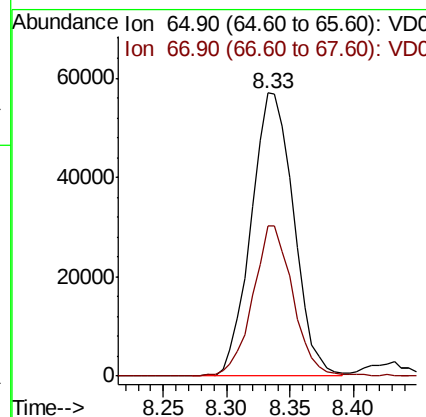
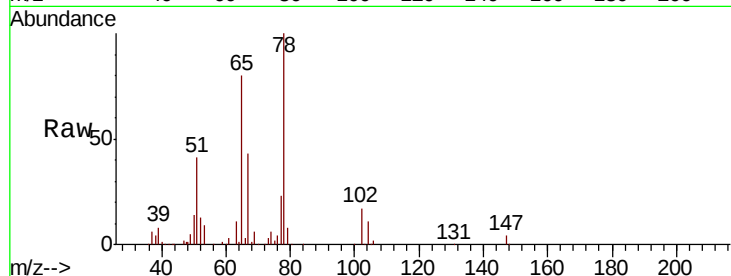
67 50.0 0.0 99.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

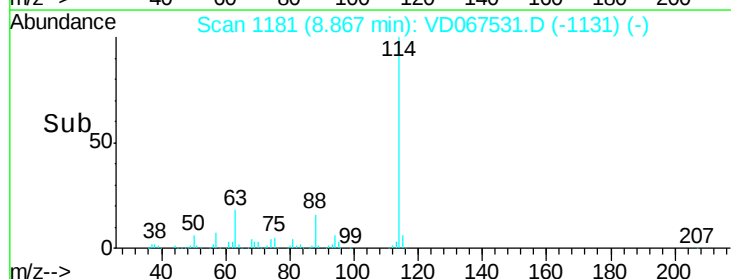
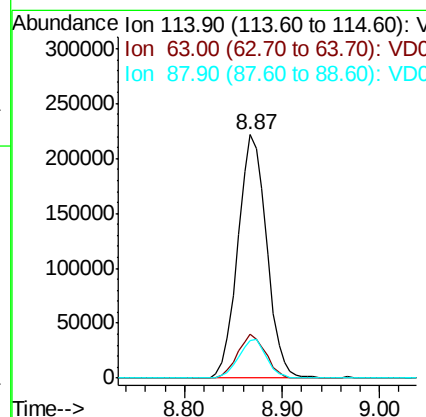
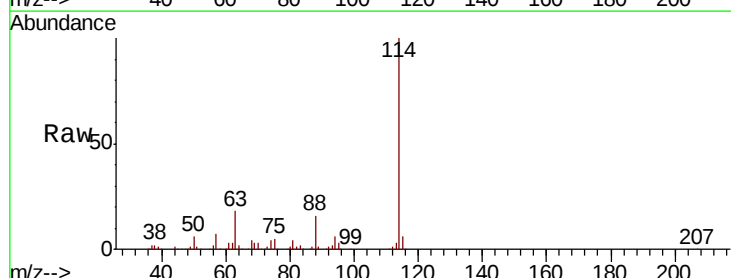
Tgt Ion: 114 Resp: 452884

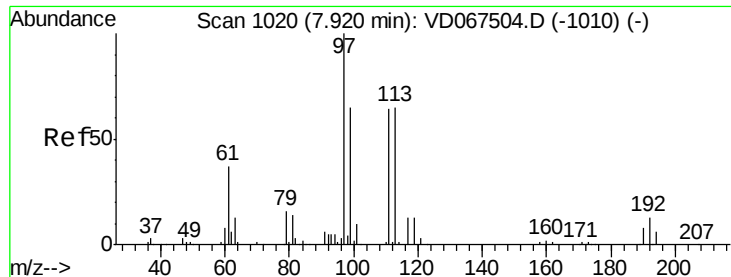
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 15.6 0.0 33.0





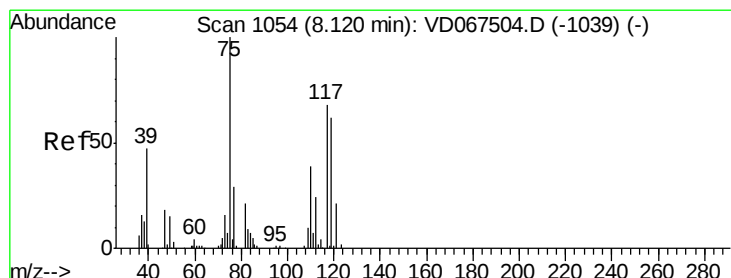
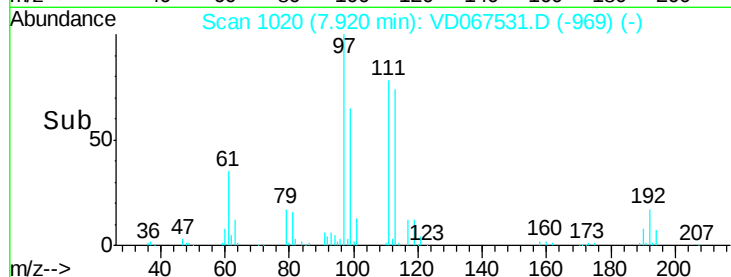
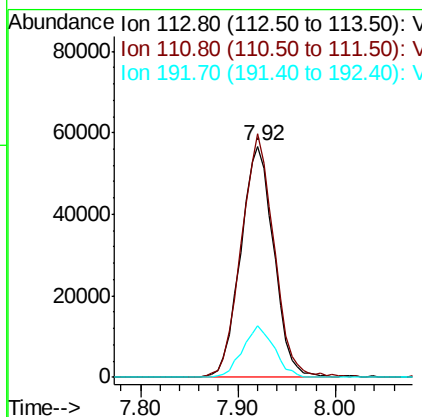
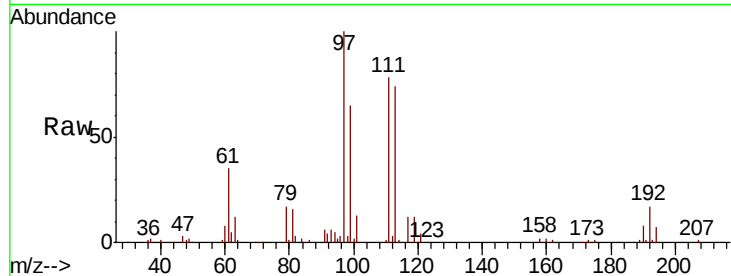
#35
 Dibromofluoromethane
 Concen: 49.066 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.2	80.0	120.0	
192	21.4	16.3	24.5	

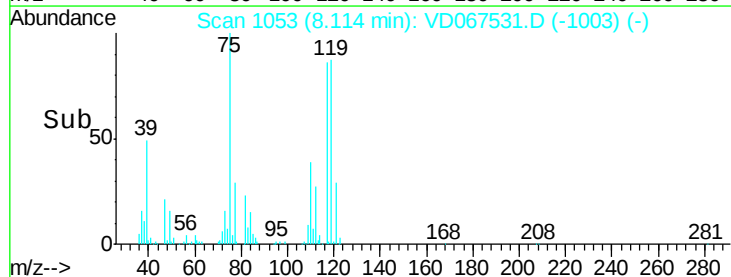
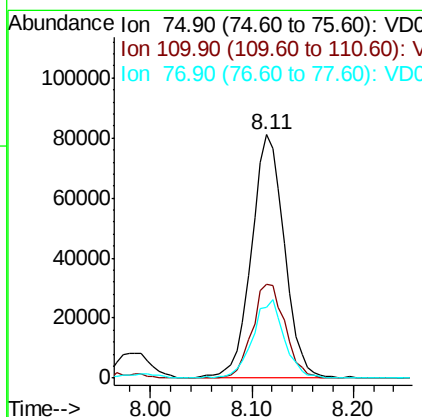
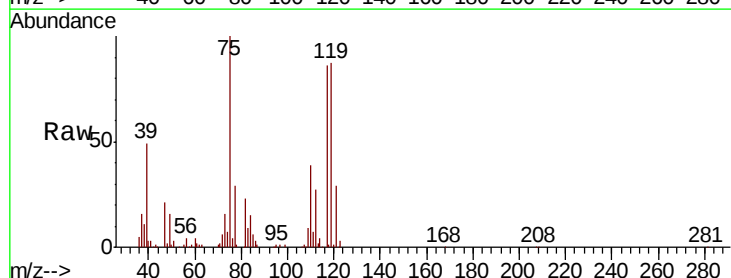
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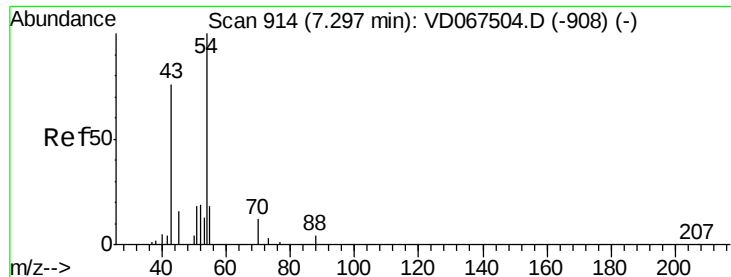
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 47.437 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.5	19.9	59.7	
77	31.0	24.8	37.2	





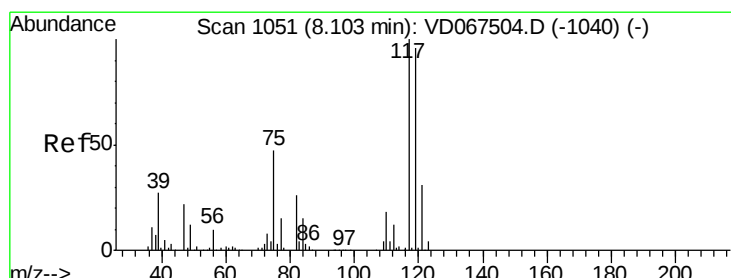
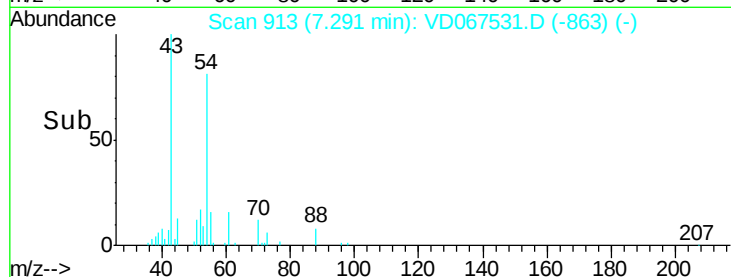
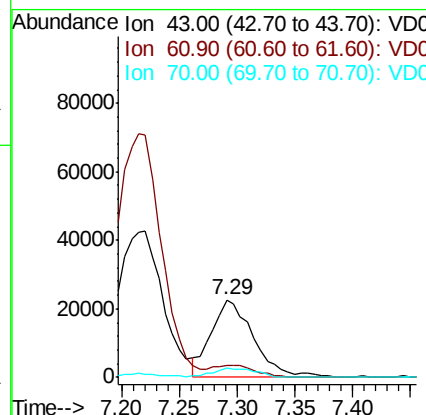
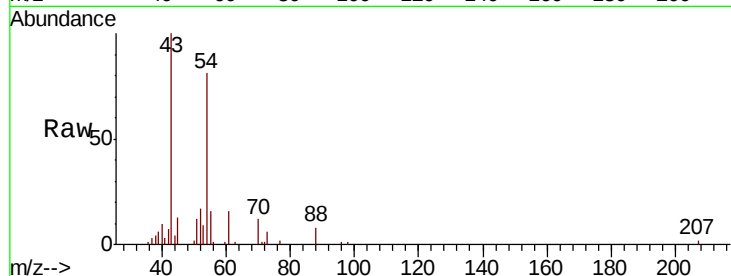
#37
Ethyl Acetate
Concen: 57.181 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.8	19.2
70	12.2	11.7	17.5

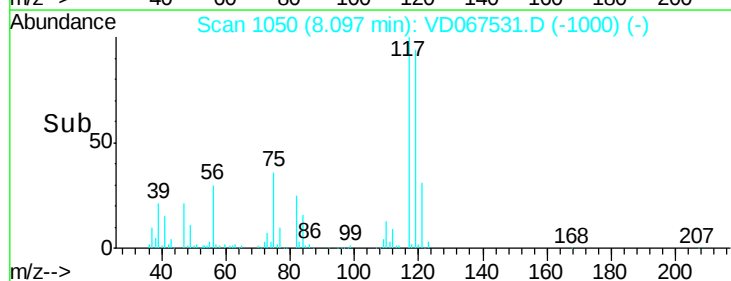
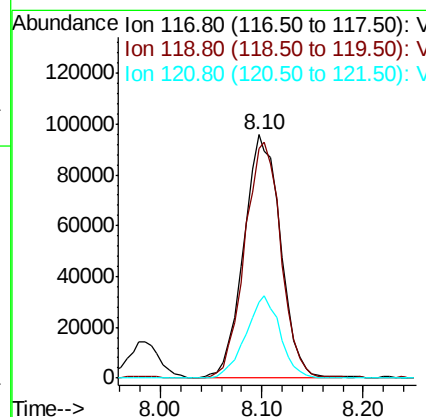
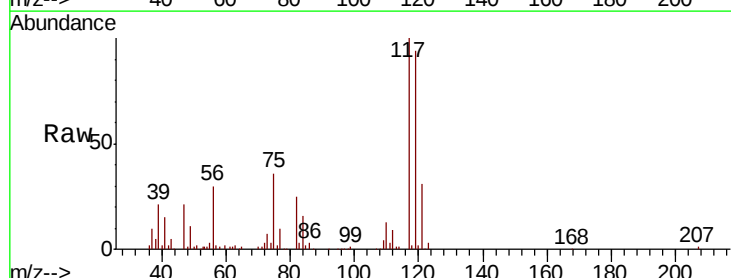
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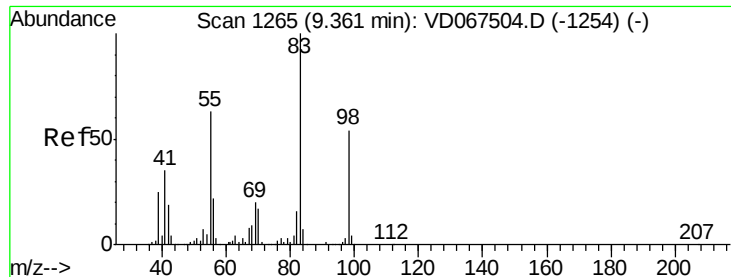
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#38
Carbon Tetrachloride
Concen: 47.674 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.9	115.3
121	31.0	24.5	36.7





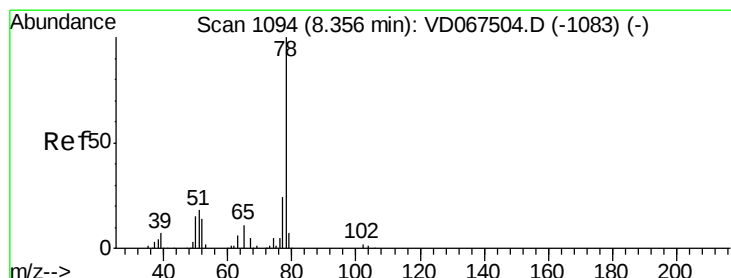
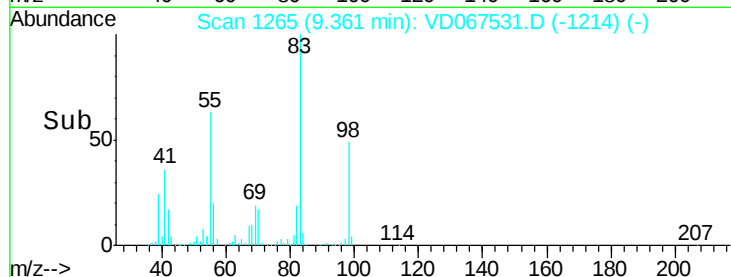
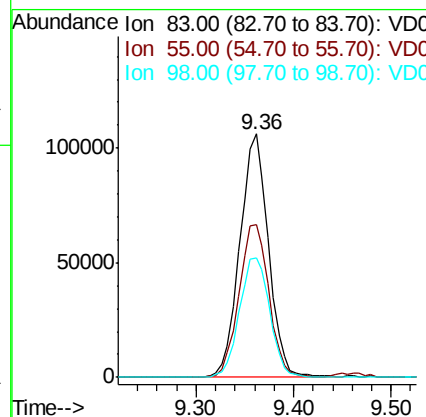
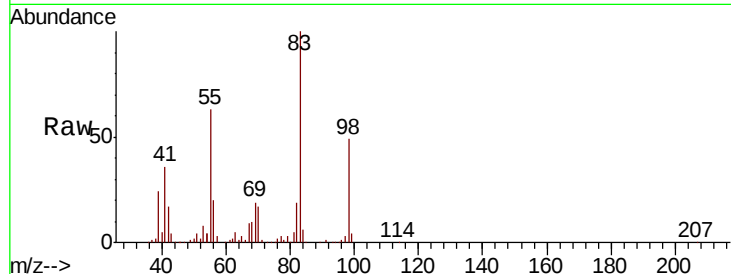
#39
Methvlcvclohexane
Concen: 47.477 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.0	50.5	75.7
98	48.9	43.4	65.0

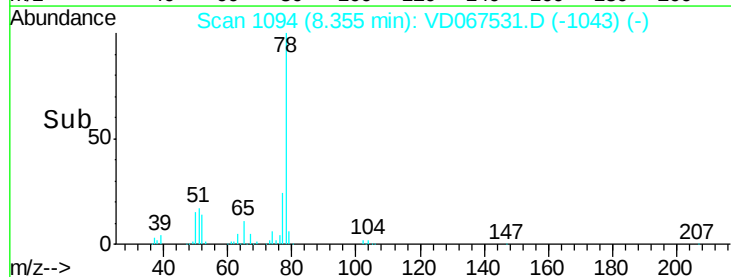
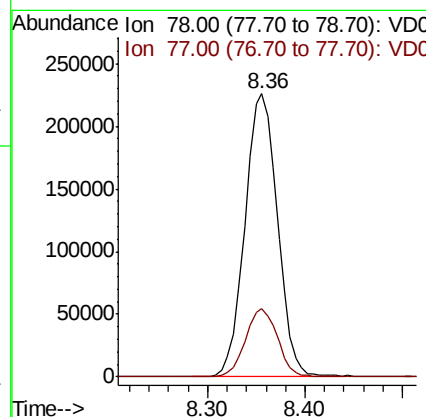
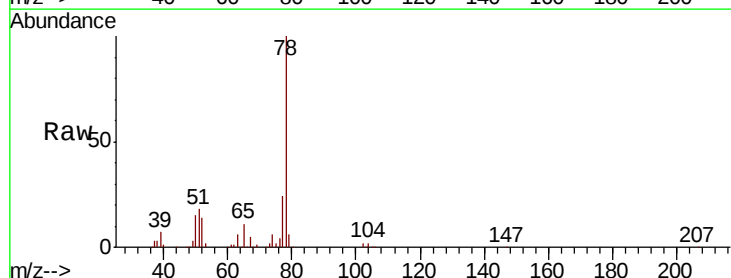
Manual Integrations
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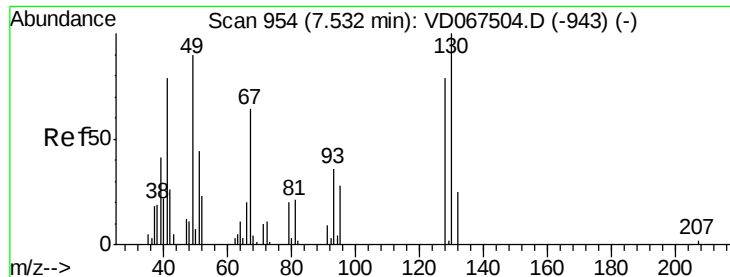
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#40
Benzene
Concen: 49.894 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





#41

Methacrylonitrile

Concen: 48.990 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 29472

Ion Ratio Lower Upper

41 100

39 67.7 51.3 76.9

67 102.3 78.9 118.3

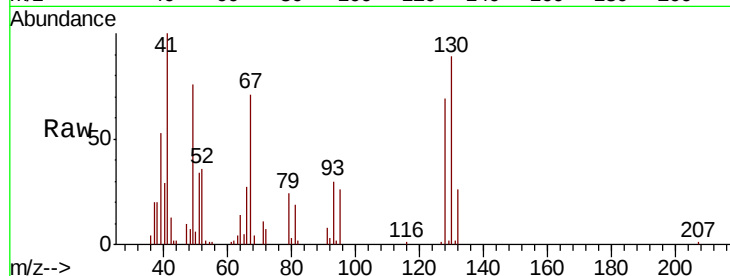
52 39.0 31.4 47.2

Manual Integrations

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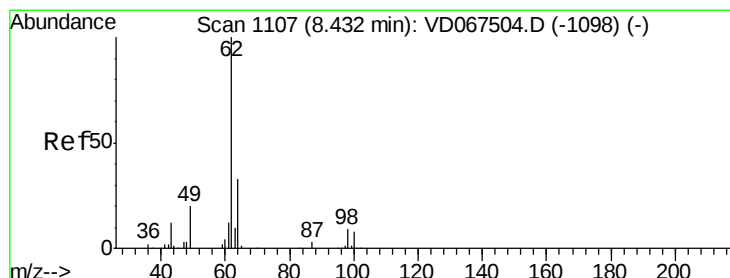
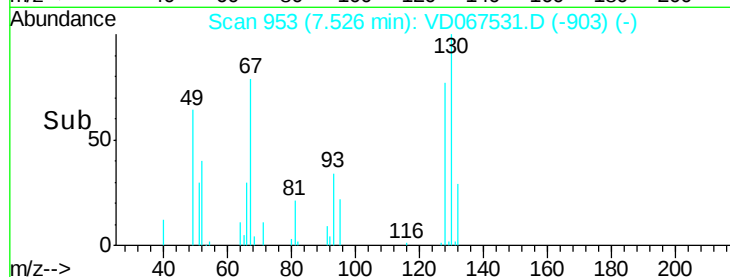
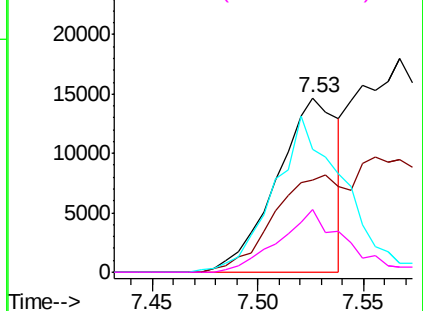


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.275 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067531.D

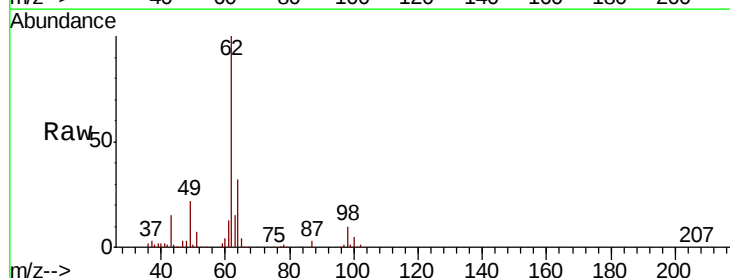
Acq: 04 Nov 2020 20:12

Tgt Ion: 62 Resp: 163113

Ion Ratio Lower Upper

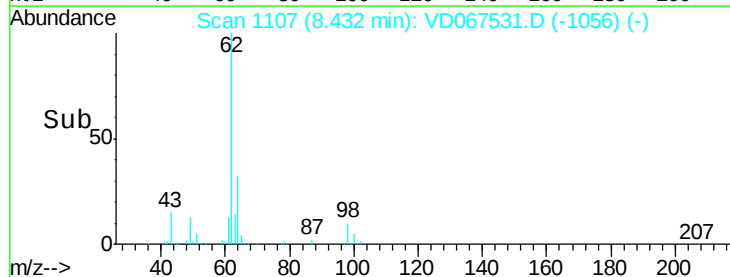
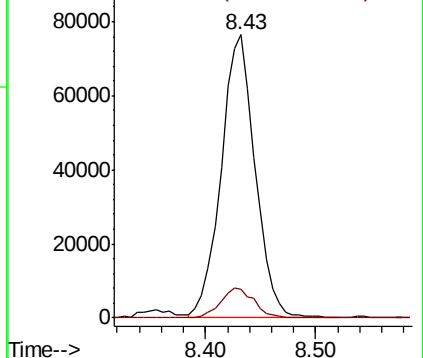
62 100

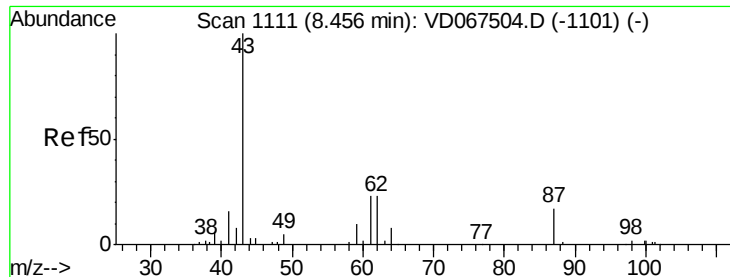
98 10.3 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

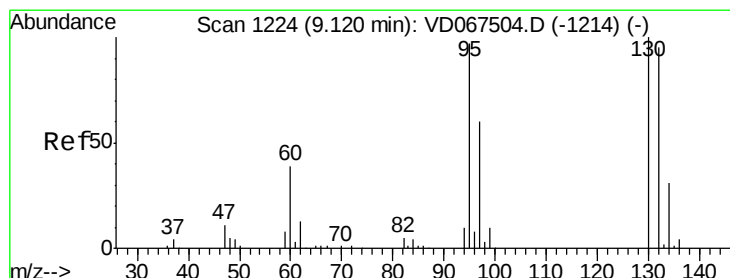
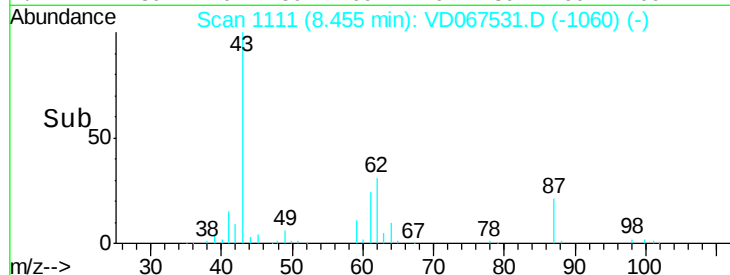
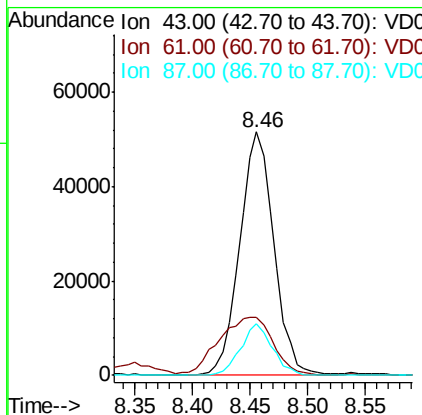
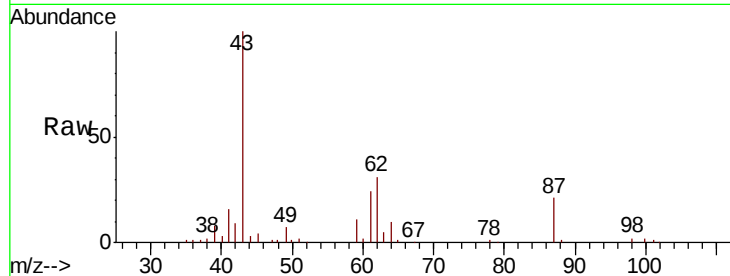
Isopropyl Acetate
 Concen: 53.300 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	38.0	30.5	45.7
87	19.5	14.7	22.1

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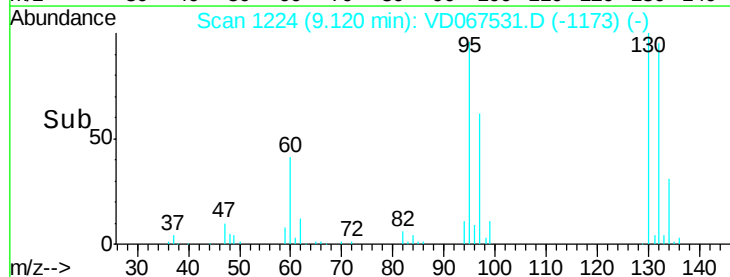
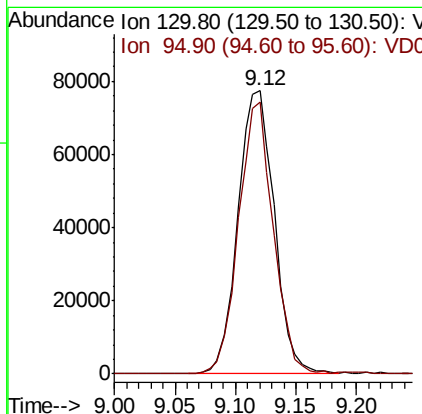
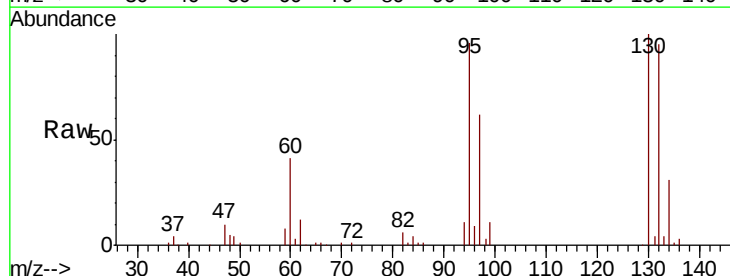
MMDadoda
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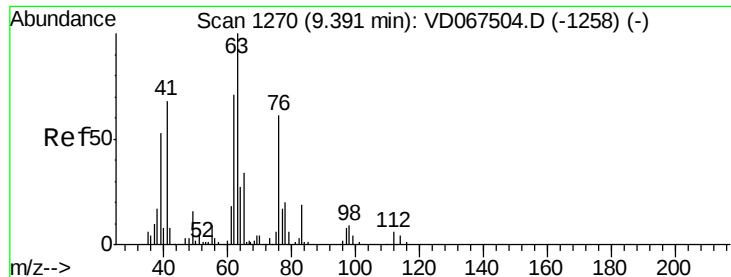


#44

Trichloroethene
 Concen: 47.094 ug/l
 RT: 9.12 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	194.4





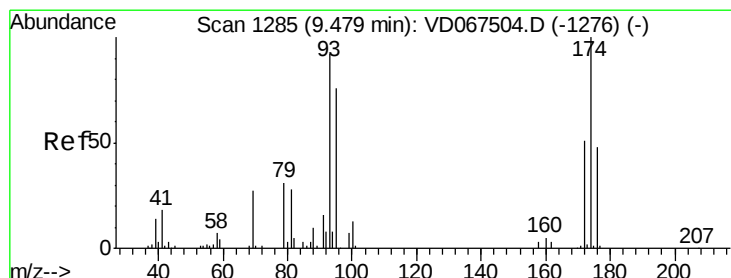
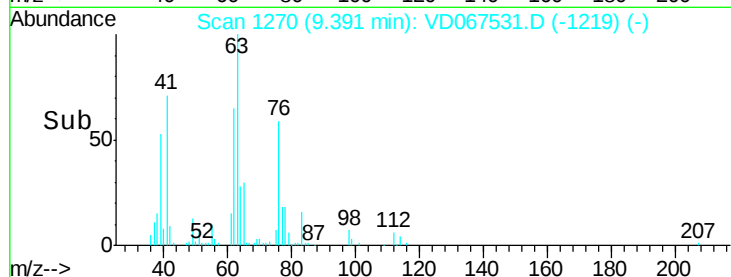
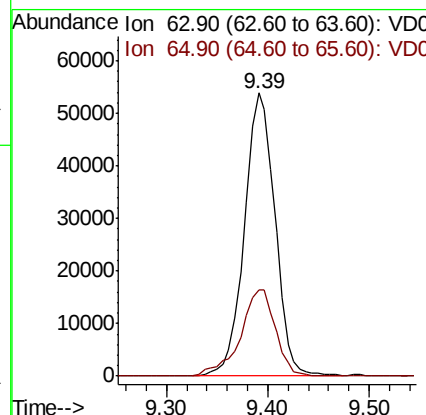
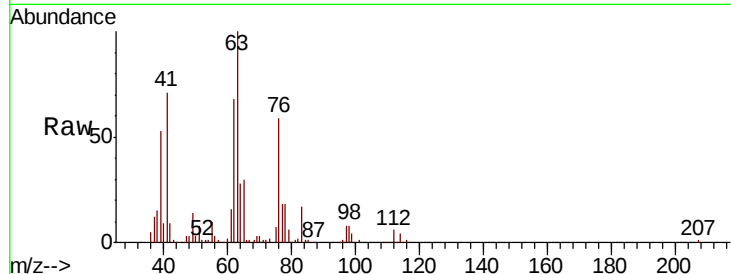
#45
 1,2-Dichloropropane
 Concen: 49.822 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	63	Resp	113113
Ion Ratio	Lower	Upper	
63	100		
65	30.3	26.9	40.3

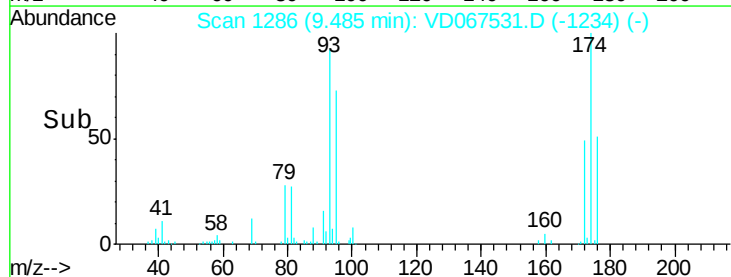
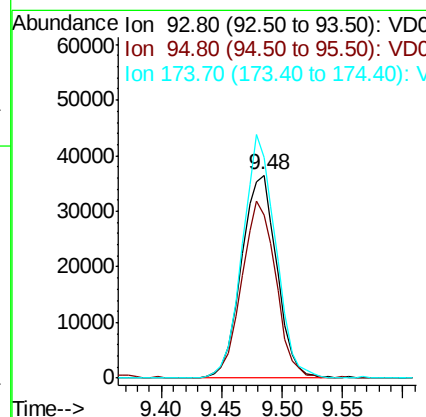
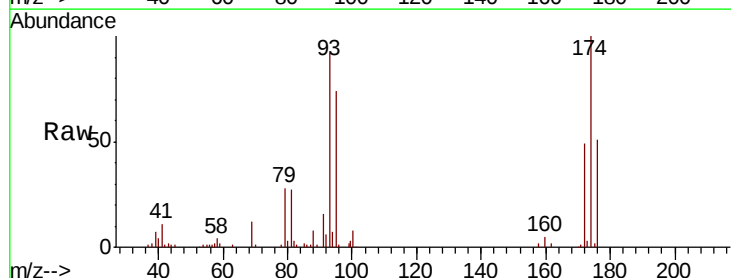
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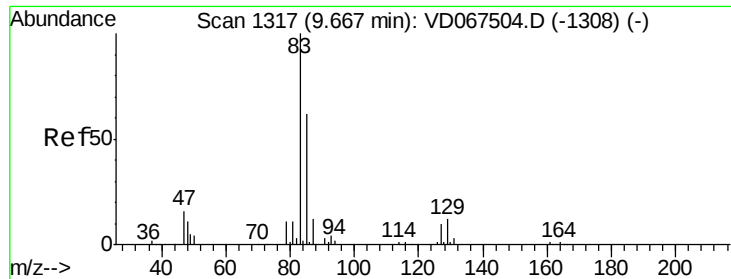
MMDadoda
 11/5/2020 7:01:11 PM



#46
 Dibromomethane
 Concen: 51.781 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Tgt Ion	93	Resp	74749
Ion Ratio	Lower	Upper	
93	100		
95	84.4	66.4	99.6
174	112.4	88.2	132.4





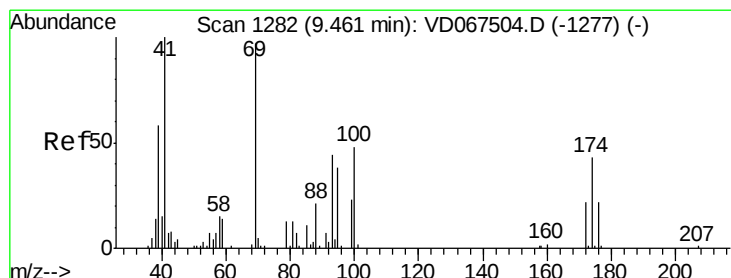
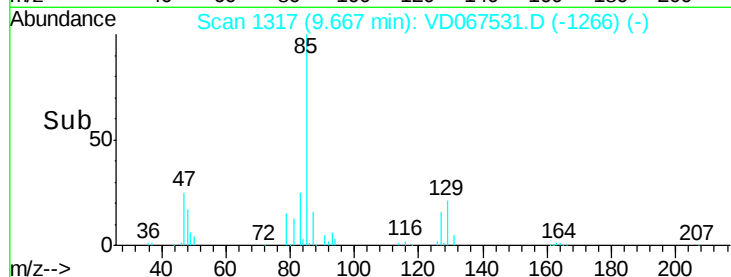
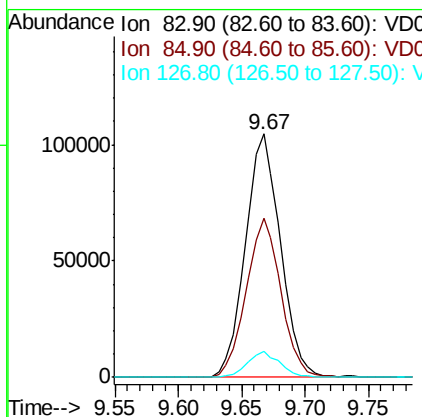
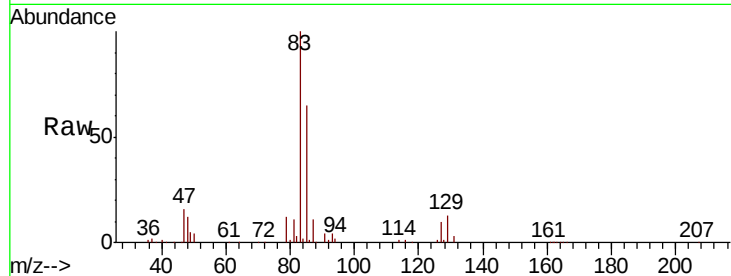
#47
Bromodichloromethane
Concen: 51.426 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.4	74.2
127	10.4	7.7	11.5

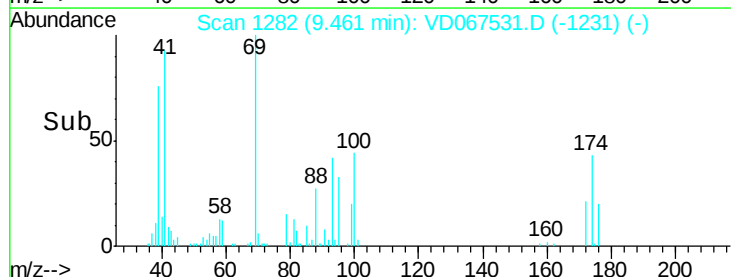
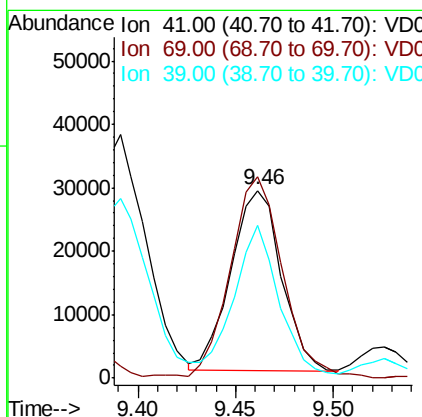
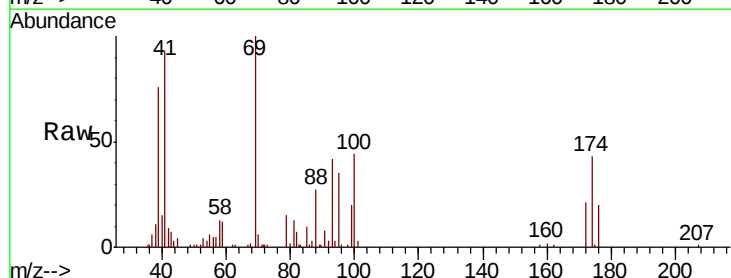
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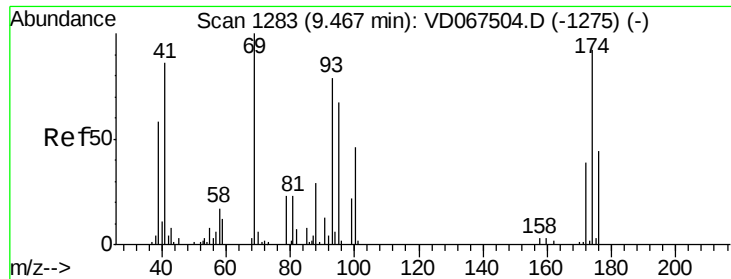
MMDadoda
11/5/2020 7:01:11 PM



#48
Methyl methacrylate
Concen: 49.552 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
41	100		
69	116.4	80.6	121.0
39	76.9	50.2	75.4#





#49

1,4-Dioxane

Concen: 1159.506 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 16992

Ion Ratio Lower Upper

88 100

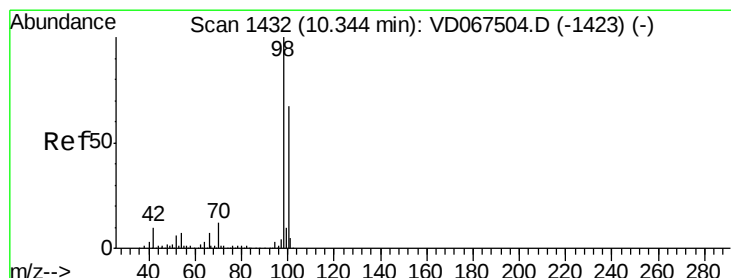
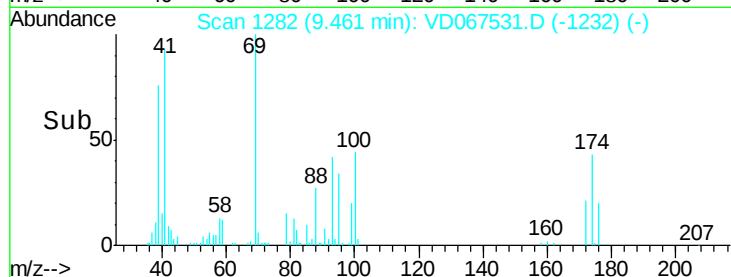
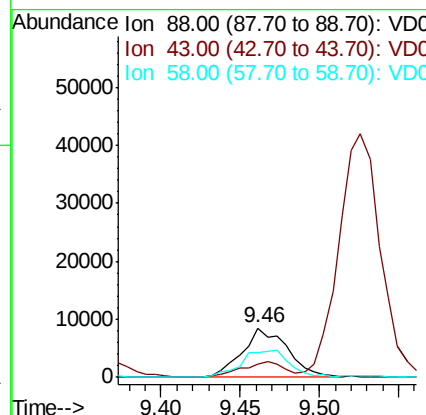
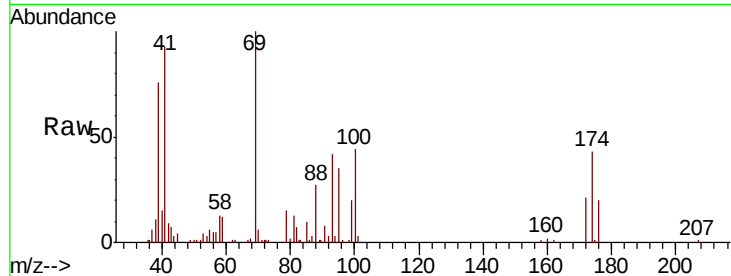
43 30.0 23.6 35.4

58 57.7 44.7 67.1

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#50

Toluene-d8

Concen: 48.900 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067531.D

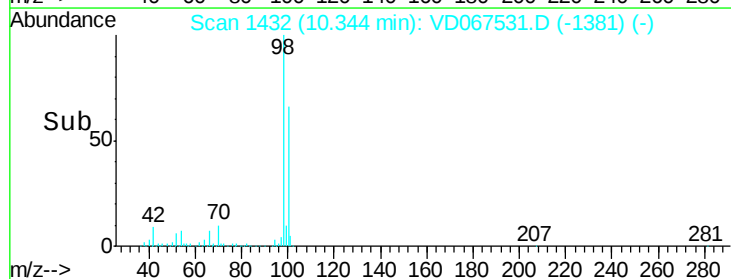
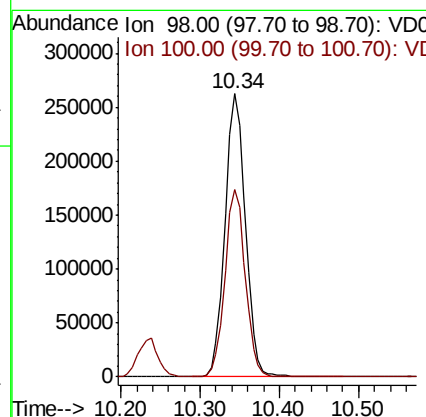
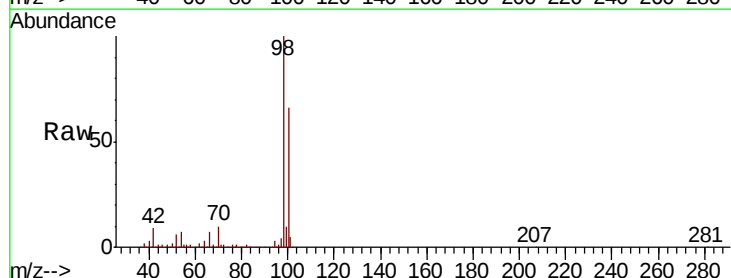
Acq: 04 Nov 2020 20:12

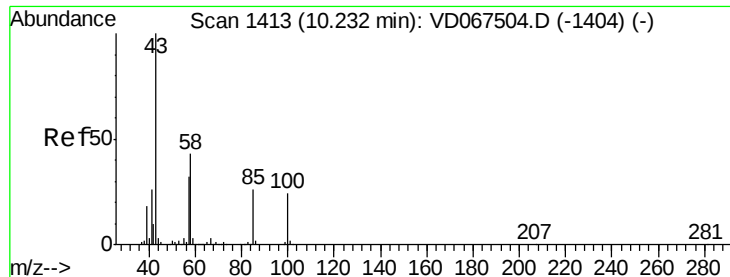
Tgt Ion: 98 Resp: 468902

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 279.743 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 266295

Ion Ratio Lower Upper

43 100

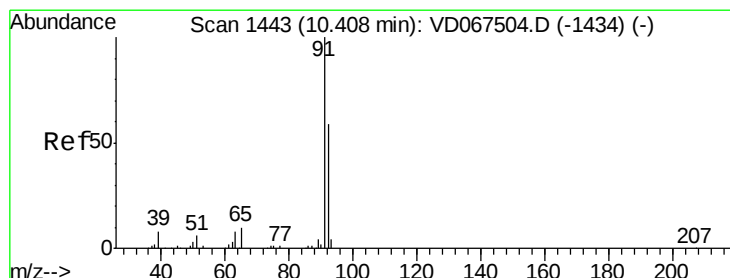
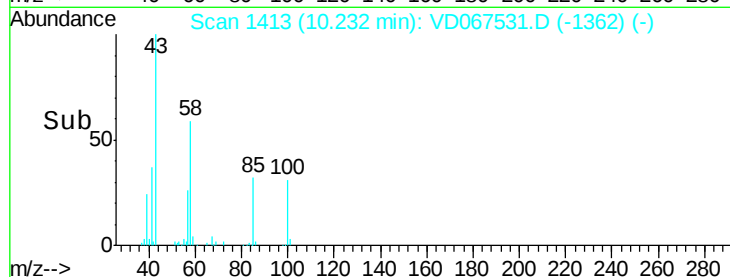
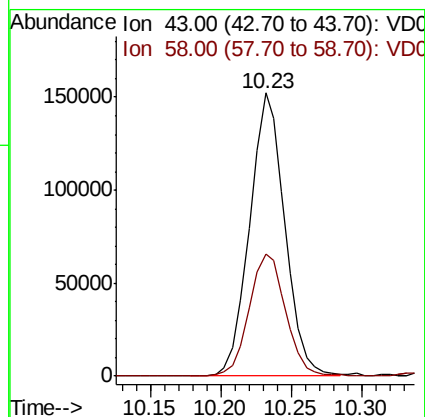
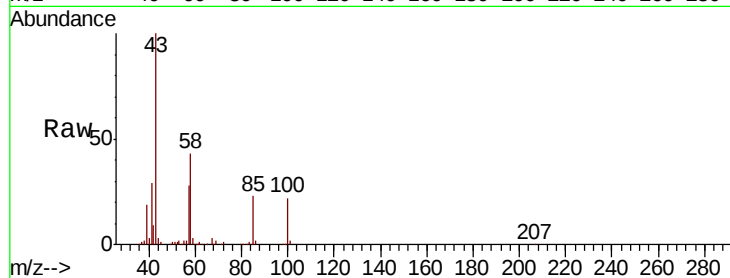
58 44.8 35.6 53.4

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#52

Toluene

Concen: 50.348 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067531.D

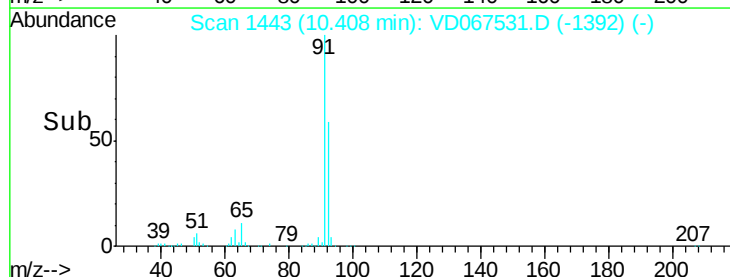
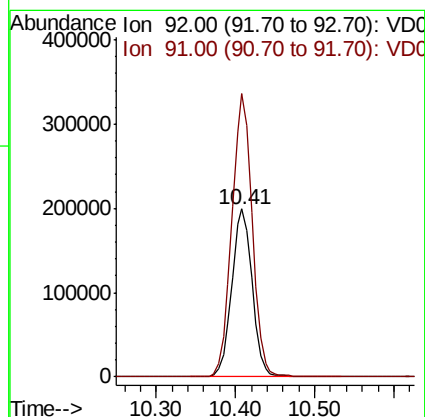
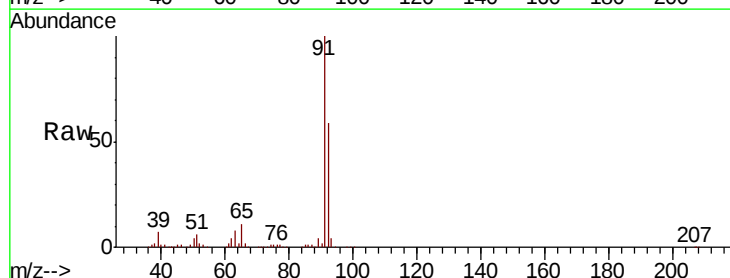
Acq: 04 Nov 2020 20:12

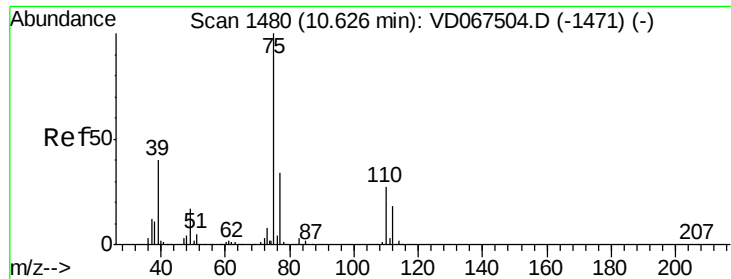
Tgt Ion: 92 Resp: 354122

Ion Ratio Lower Upper

92 100

91 168.5 137.0 205.6





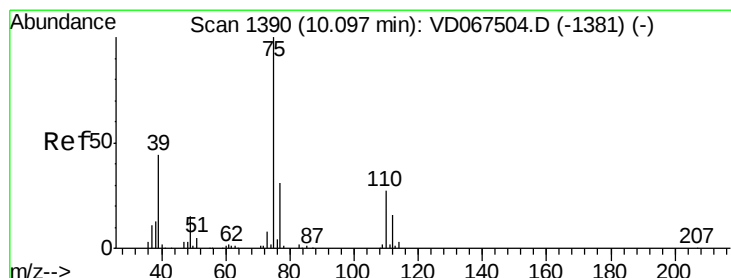
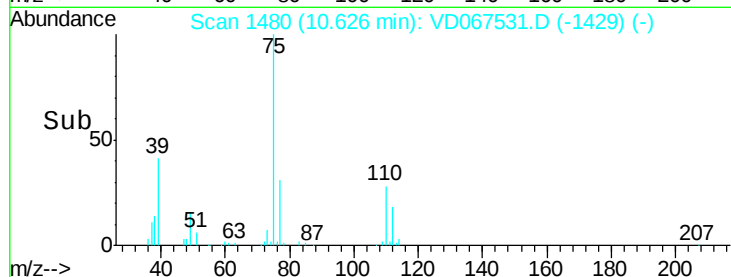
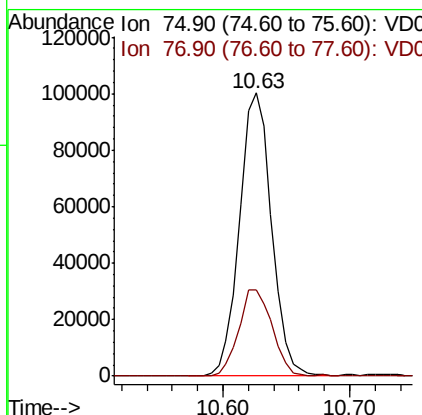
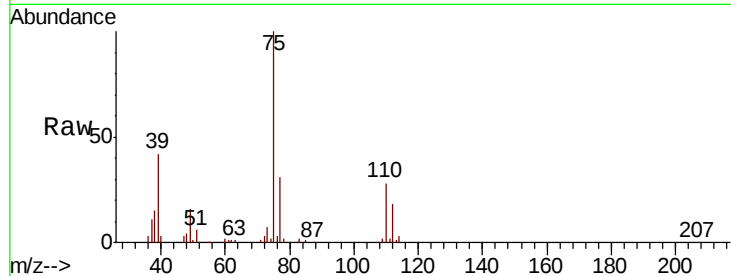
#53
t-1,3-Dichloropropene
Concen: 52.368 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	27.0	40.6

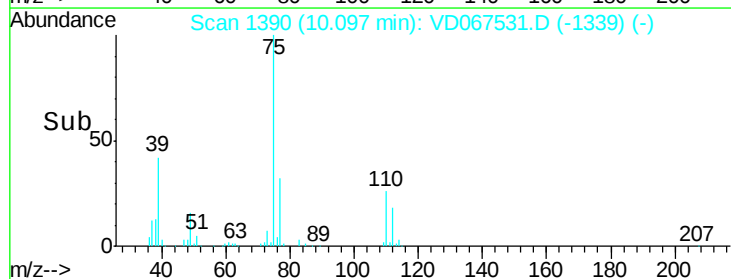
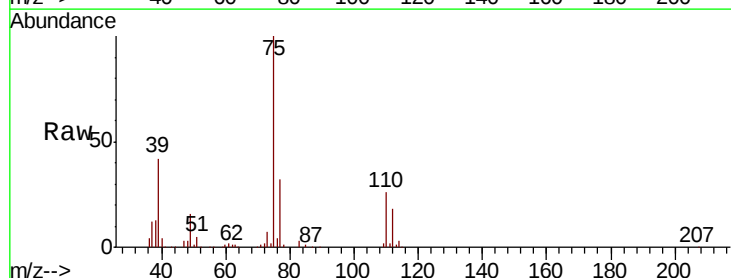
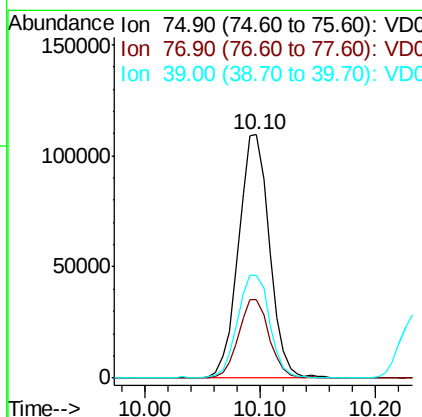
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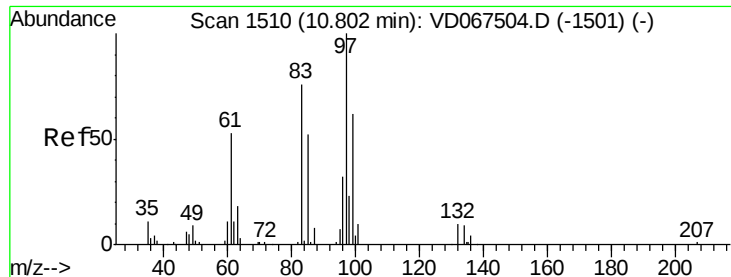
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#54
cis-1,3-Dichloropropene
Concen: 51.018 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.4	36.6
39	42.1	35.6	53.4





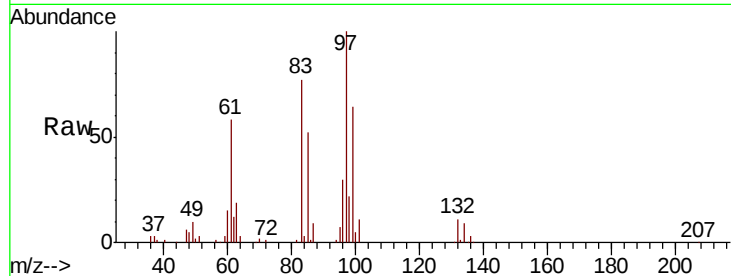
#55
 1,1,2-Trichloroethane
 Concen: 53.679 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	102527
Ion	Ratio	Lower	Upper
97	100		
83	77.1	61.0	91.6
85	52.0	41.5	62.3
99	64.3	49.4	74.2

Manual Integrations
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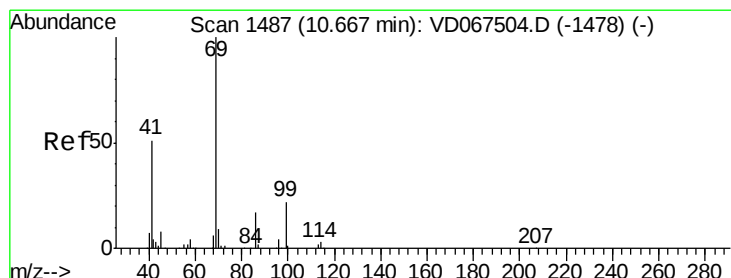
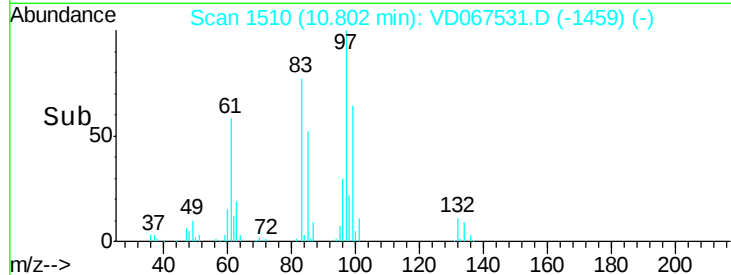
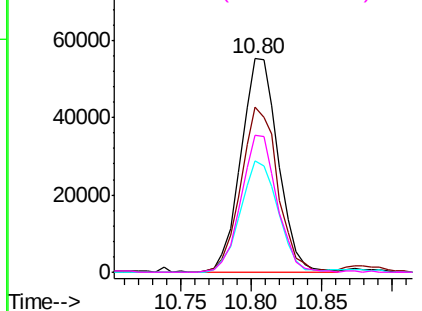
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

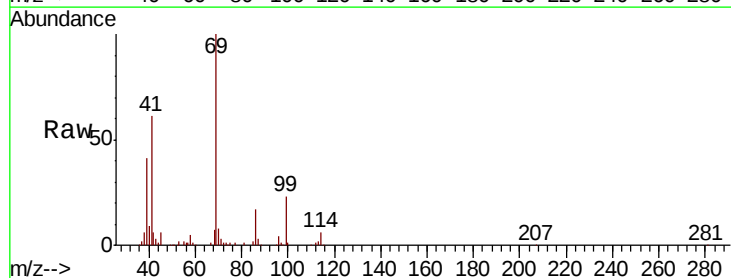
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 56.115 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Tgt Ion:	69	Resp:	110681
Ion	Ratio	Lower	Upper
69	100		
41	56.0	45.4	68.0
39	33.8	27.4	41.0

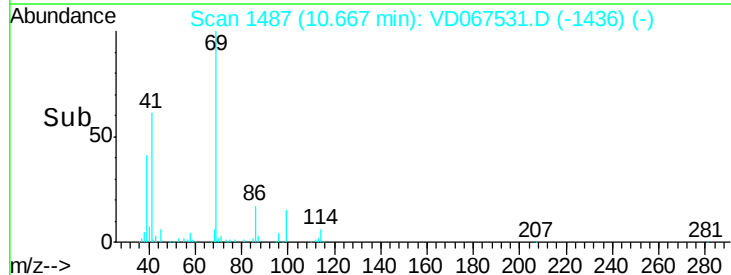
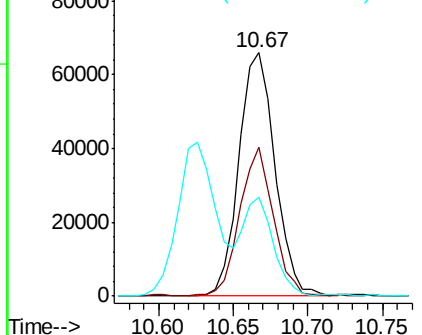


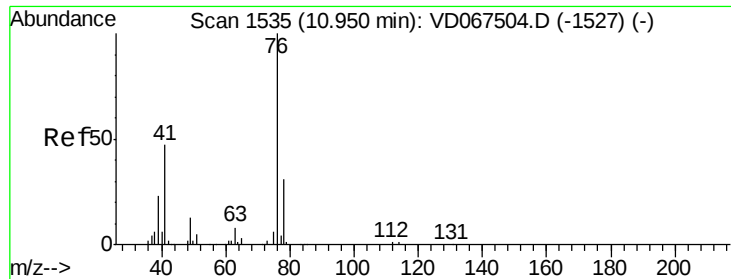
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





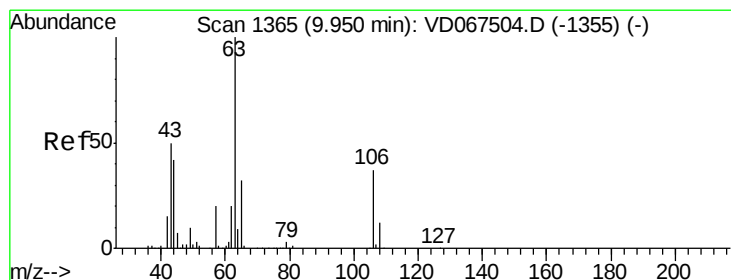
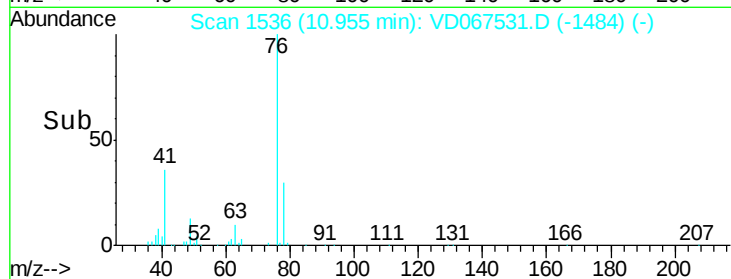
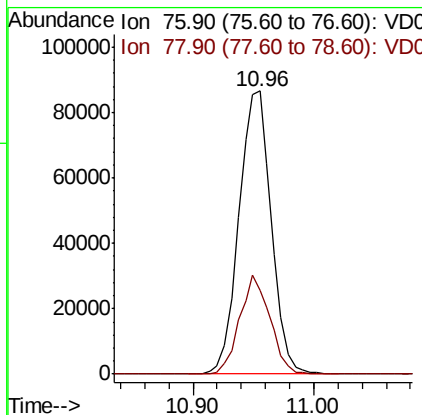
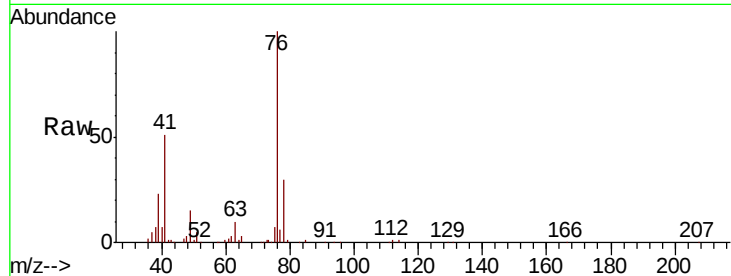
#57
 1,3-Dichloropropane
 Concen: 52.456 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 161225
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.1 39.1

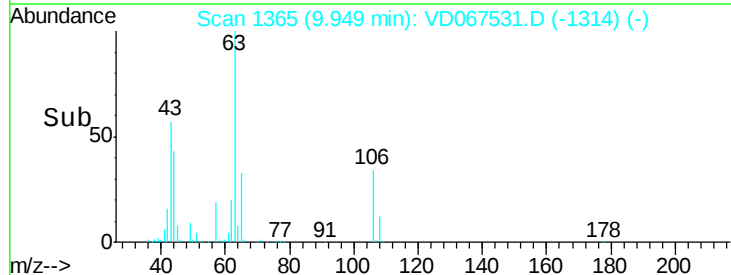
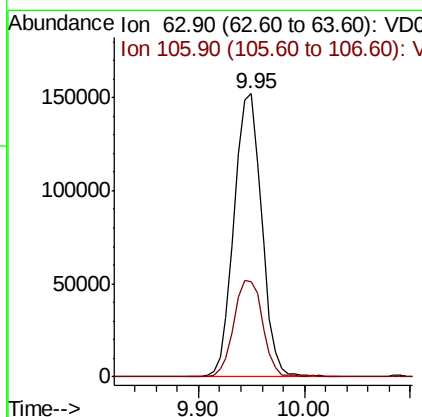
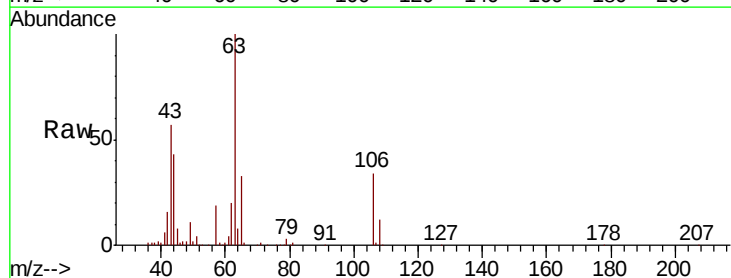
Manual Integrations
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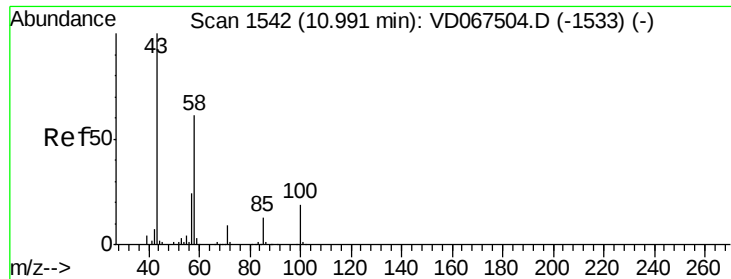
MMDadoda
 11/5/2020 7:01:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 299.316 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Tgt Ion: 63 Resp: 275306
 Ion Ratio Lower Upper
 63 100
 106 35.4 29.2 43.8





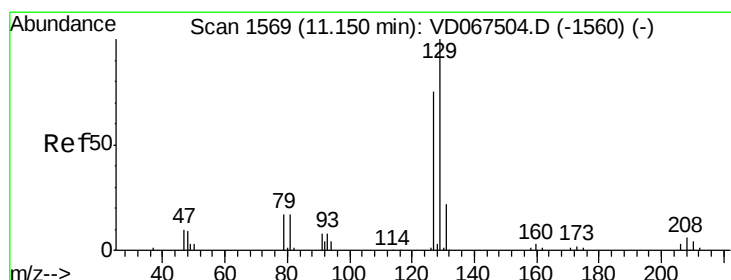
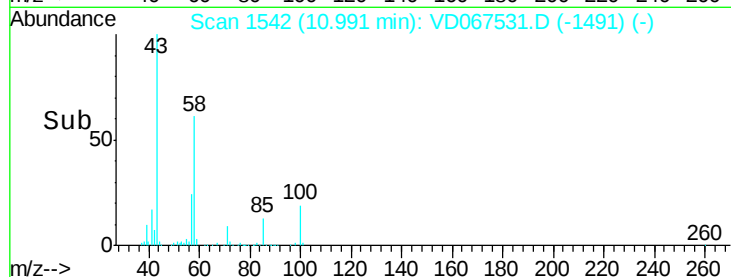
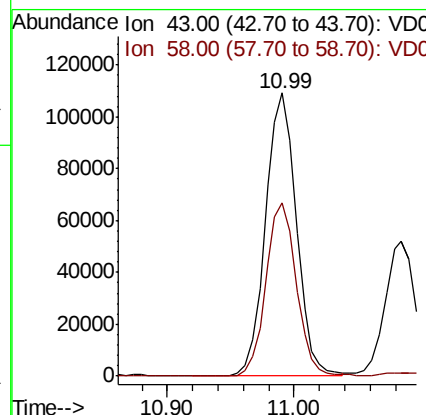
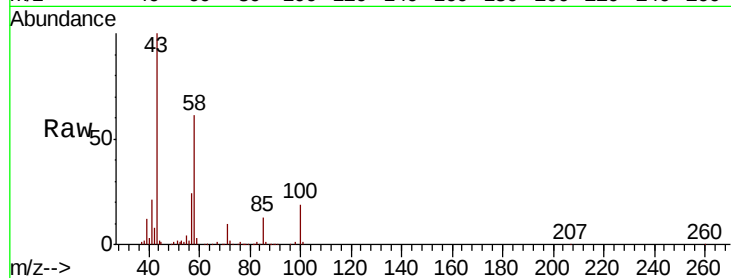
#59
2-Hexanone
Concen: 278.691 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	185494
Ion Ratio	43	100	
Lower	58	60.4	30.3
Upper			90.9

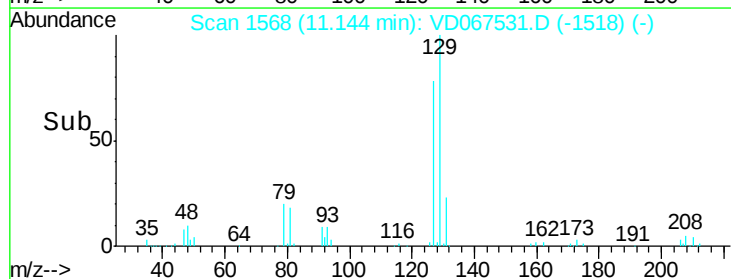
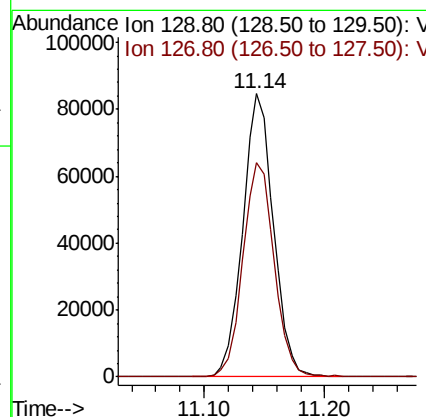
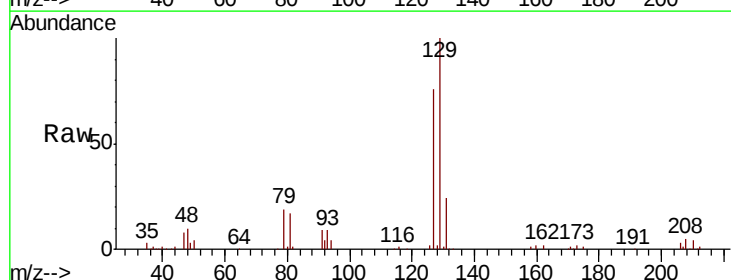
Manual Integrations
APPROVED

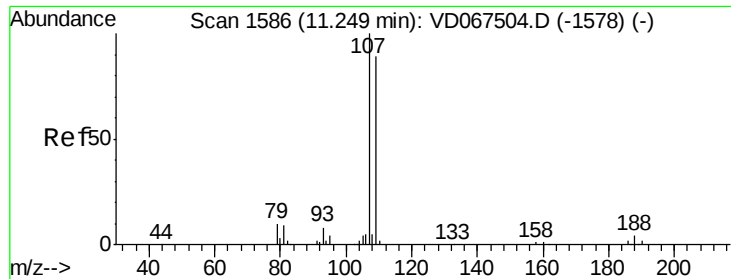
MMDadoda
11/5/2020 7:01:11 PM



#60
Dibromochloromethane
Concen: 53.133 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion	129	Resp	150121
Ion Ratio	129	100	
Lower	127	77.2	38.0
Upper			114.1





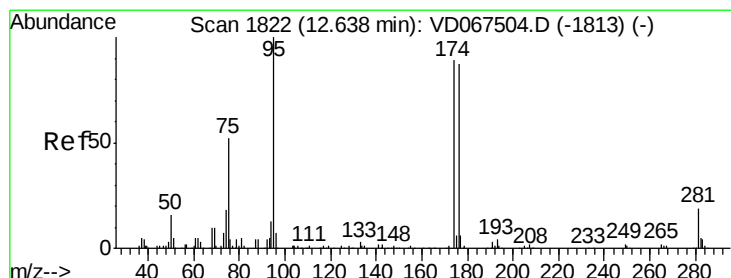
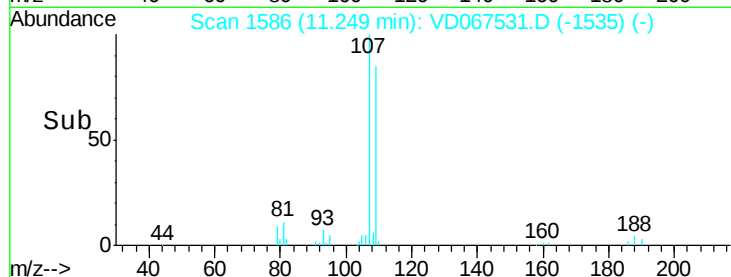
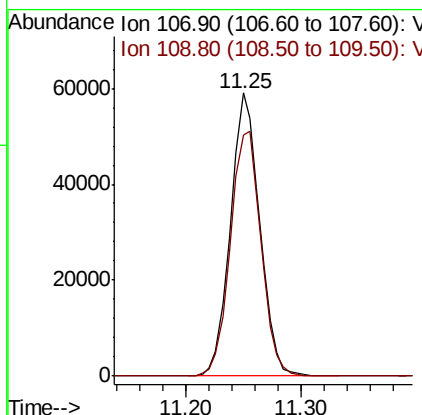
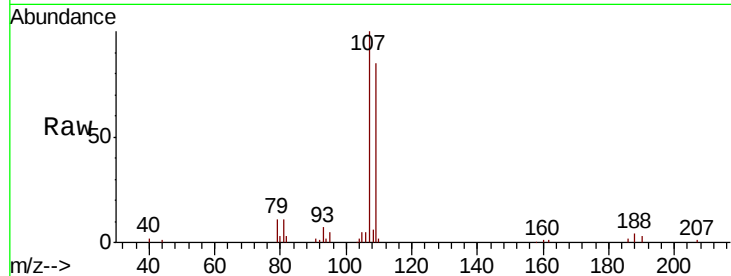
#61
 1,2-Dibromoethane
 Concen: 53.898 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.7	74.6	111.8

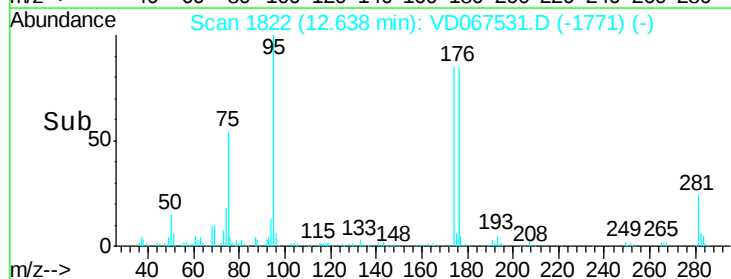
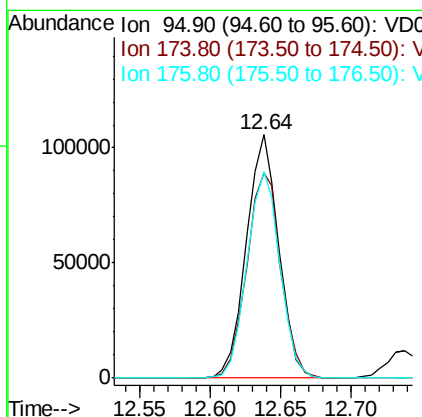
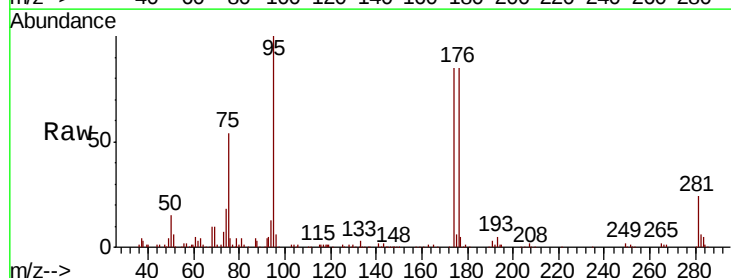
Manual Integrations
 APPROVED

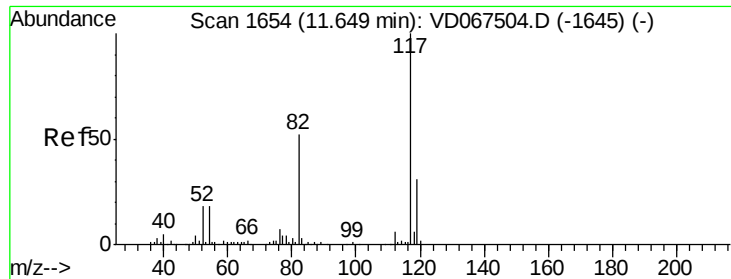
MMDadoda
 11/5/2020 7:01:11 PM



#62
 4-Bromofluorobenzene
 Concen: 51.310 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	177.8
176	86.6	0.0	172.0





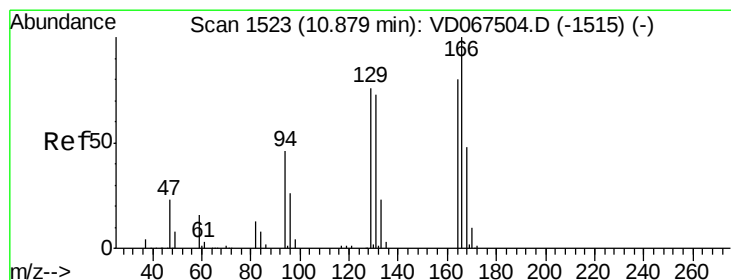
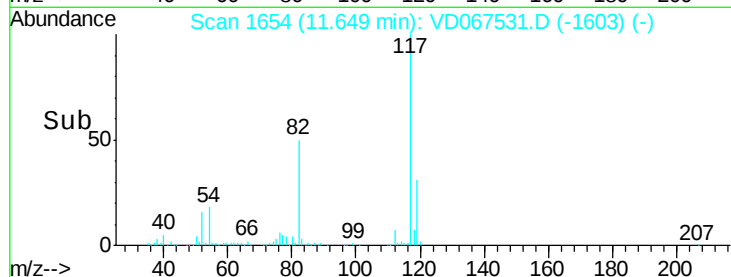
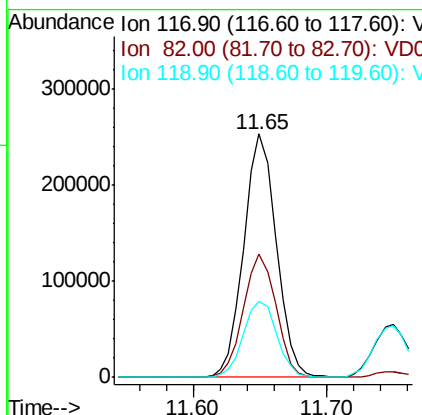
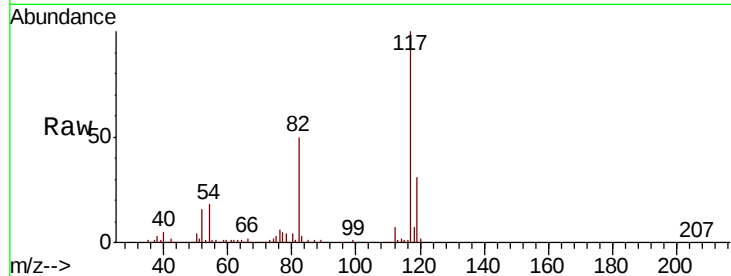
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	41.6	62.4
119	31.4	25.1	37.7

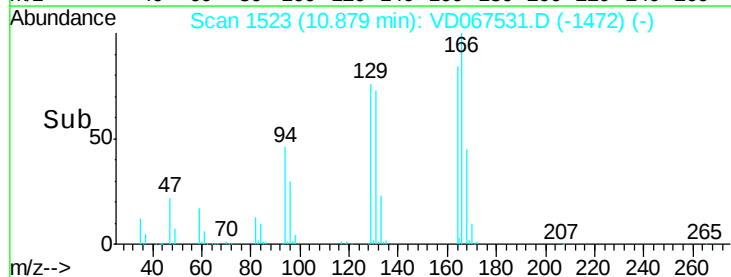
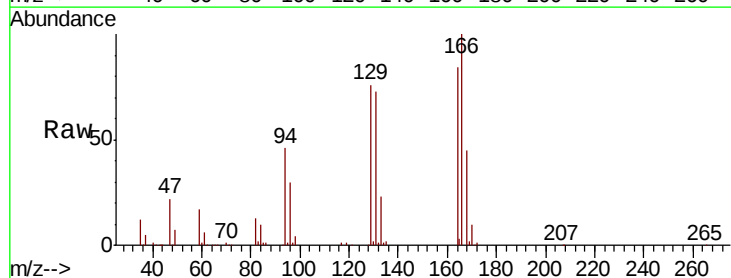
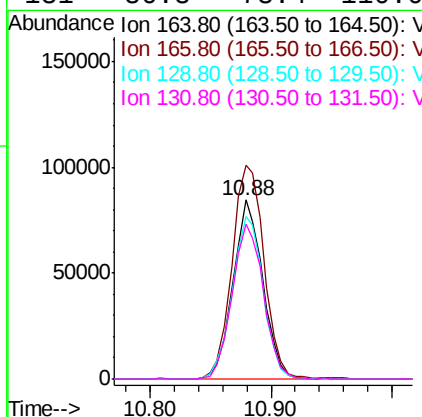
Manual Integrations
APPROVED

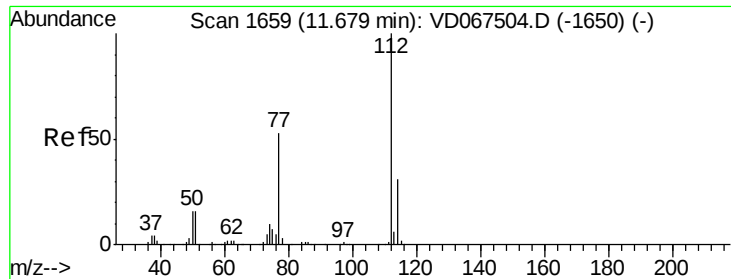
MMDadoda
11/5/2020 7:01:11 PM



#64
Tetrachloroethene
Concen: 45.951 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.5	99.9	149.9
129	91.1	75.5	113.3
131	86.8	73.4	110.0





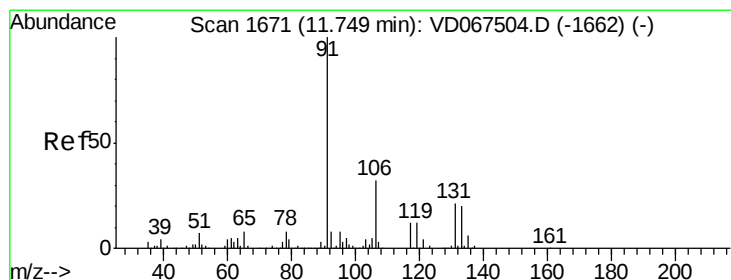
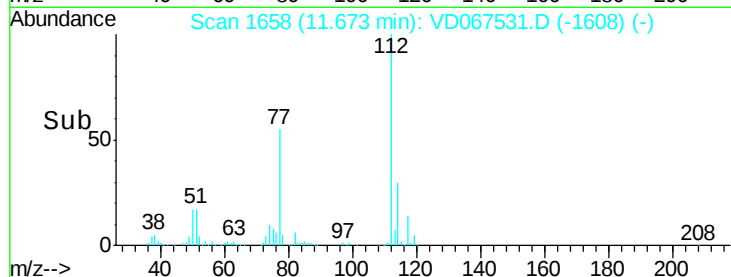
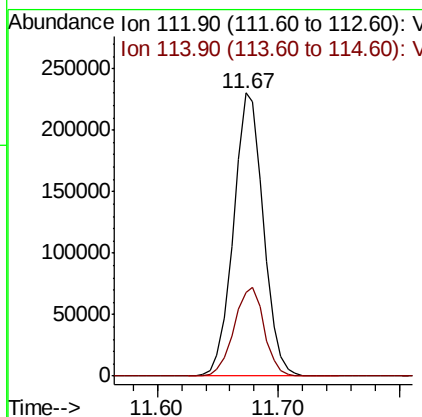
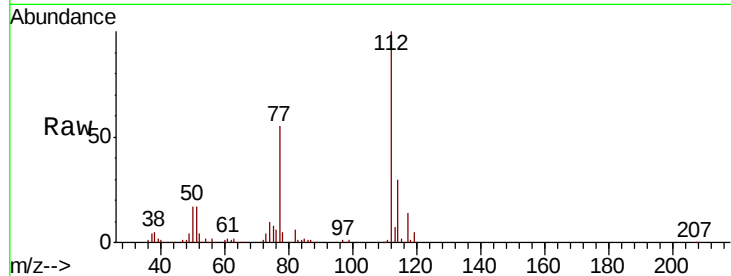
#65
Chlorobenzene
Concen: 48.315 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 397069
Ion Ratio Lower Upper
112 100
114 29.6 24.9 37.3

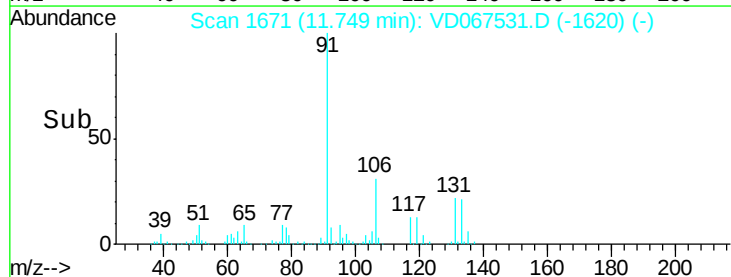
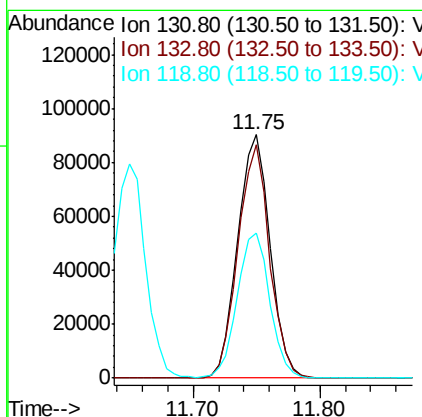
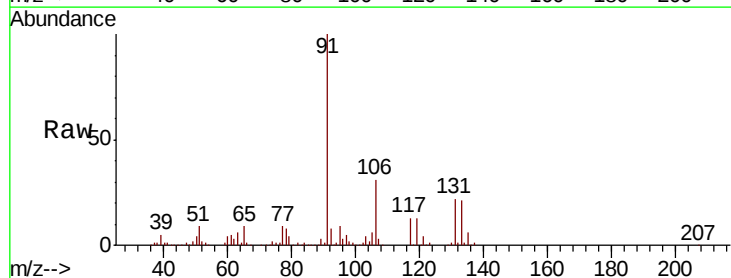
Manual Integrations
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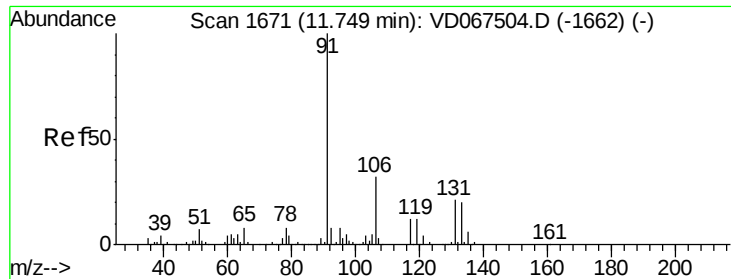
MMDadoda
11/5/2020 7:01:11 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.403 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion:131 Resp: 160020
Ion Ratio Lower Upper
131 100
133 93.6 48.0 144.0
119 60.0 30.1 90.5





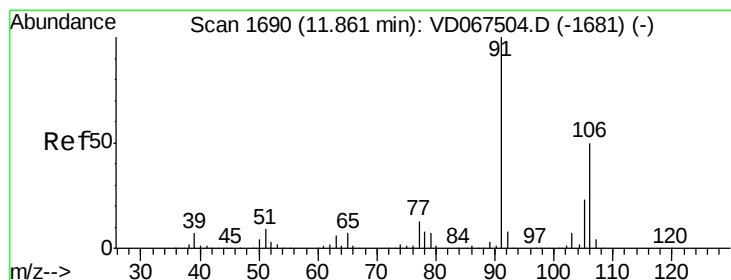
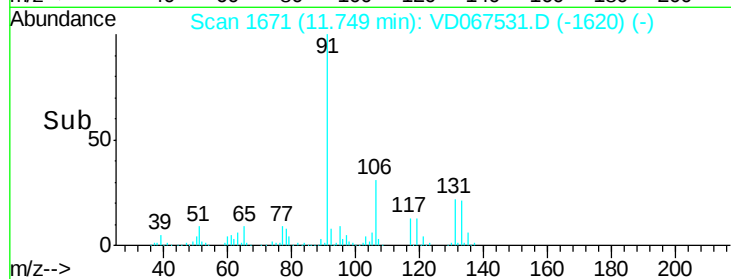
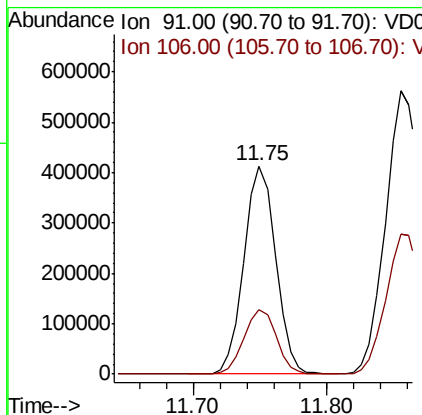
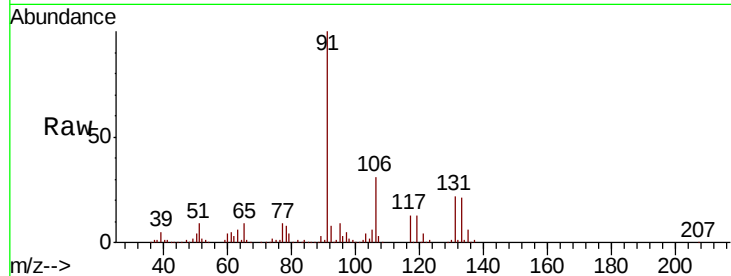
#67
Ethyl Benzene
Concen: 48.396 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 680600
Ion Ratio Lower Upper
91 100
106 31.1 25.7 38.5

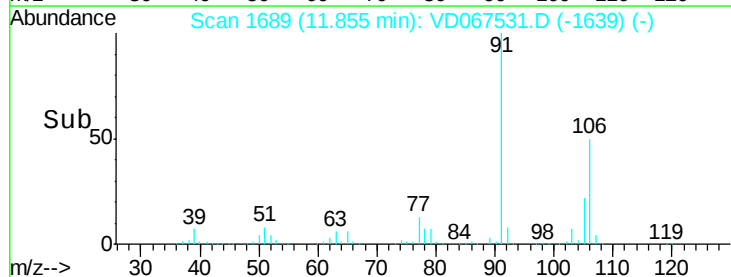
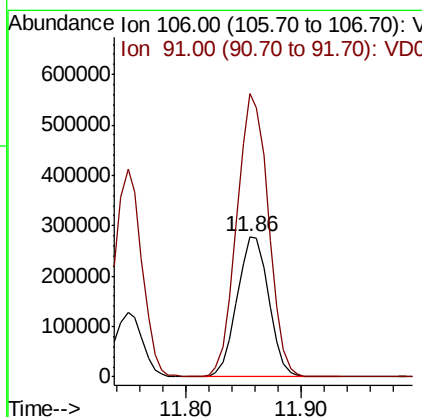
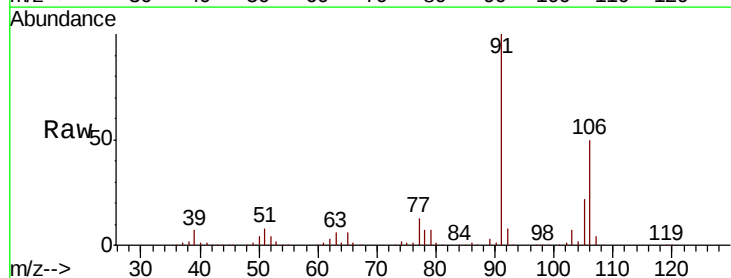
Manual Integrations
APPROVED

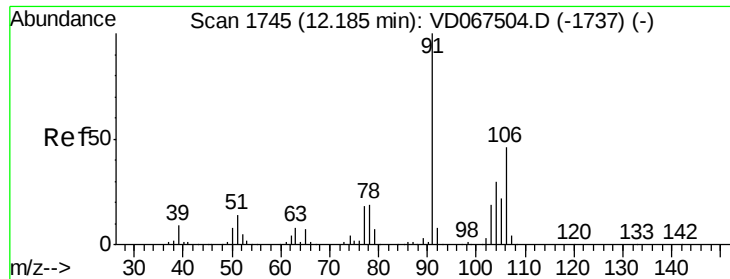
MMDadoda
11/5/2020 7:01:11 PM



#68
m/p-Xylenes
Concen: 97.276 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion: 106 Resp: 532212
Ion Ratio Lower Upper
106 100
91 201.0 162.6 244.0





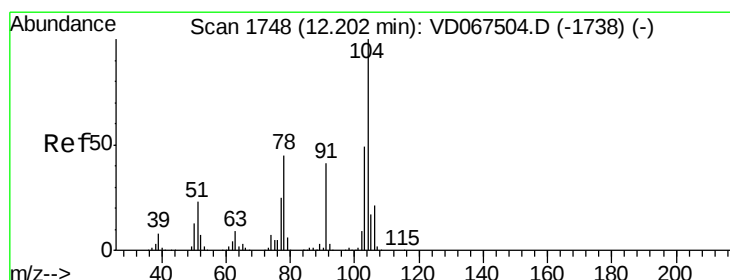
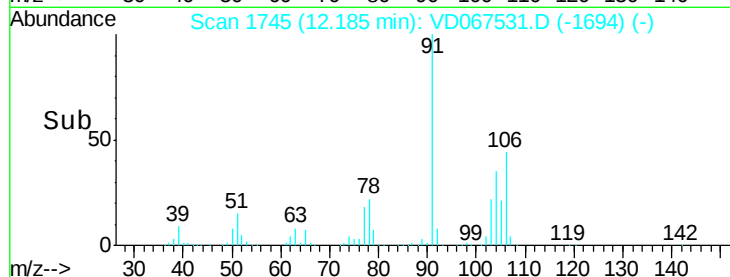
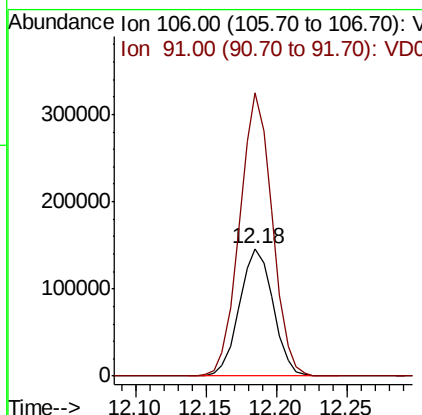
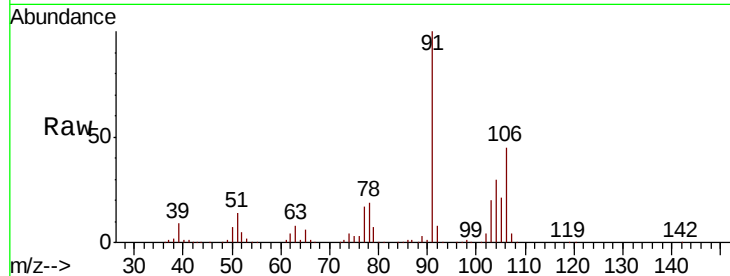
#69
o-Xylene
Concen: 49.751 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
106	100		
91	215.5	107.1	321.1

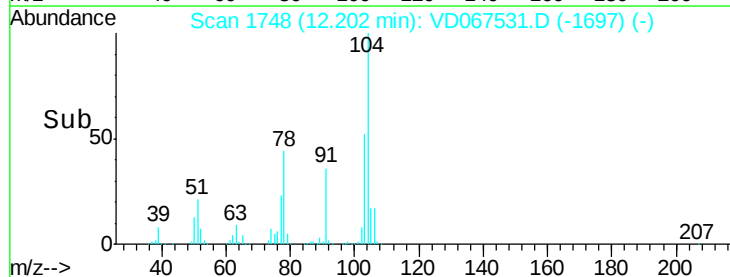
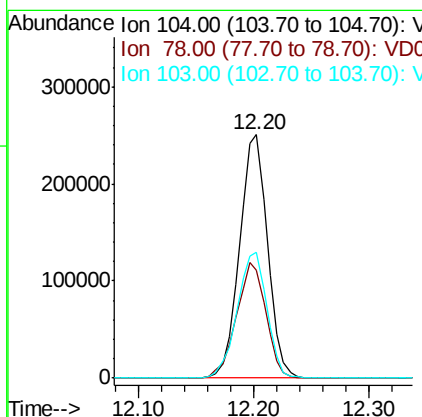
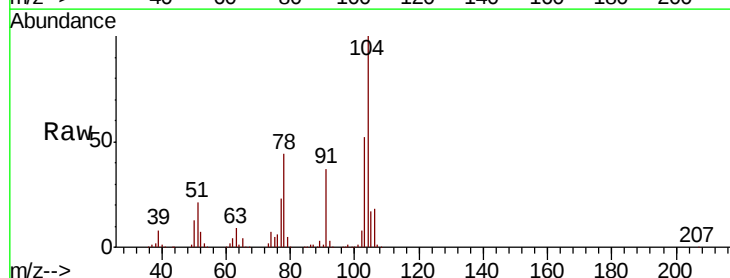
Manual Integrations
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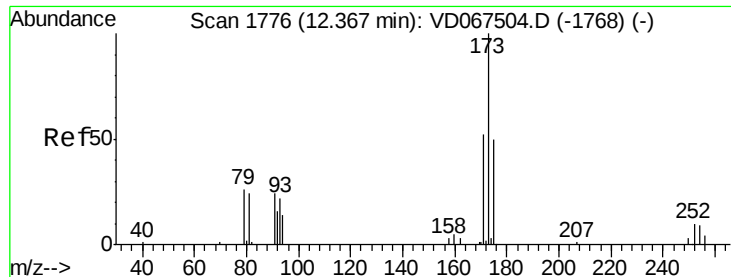
MMDadoda
11/5/2020 7:01:11 PM



#70
Styrene
Concen: 49.412 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.2	39.8	59.8
103	55.0	43.9	65.9





#71

Bromoform

Concen: 51.792 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 85558

Ion Ratio Lower Upper

173 100

175 49.5 24.1 72.2

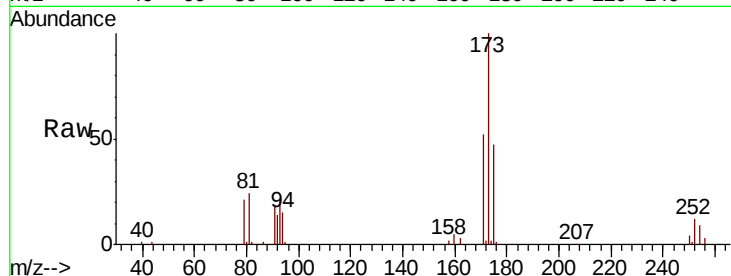
254 0.0 0.0 0.0

Manual Integrations

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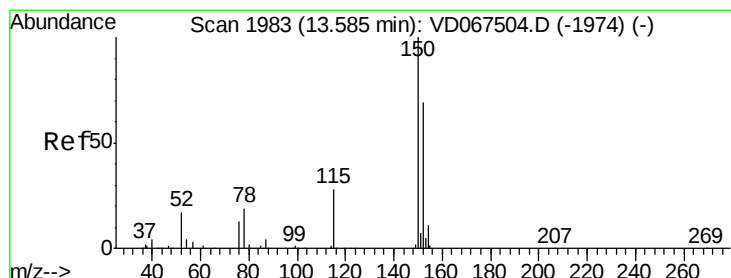
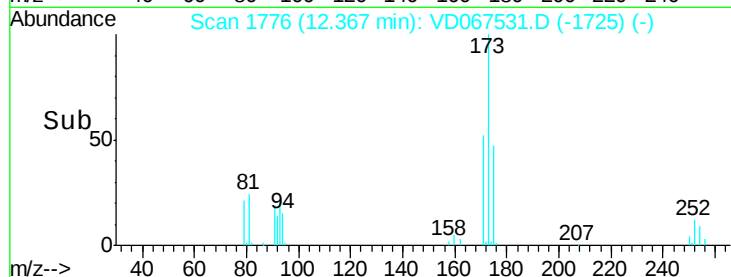
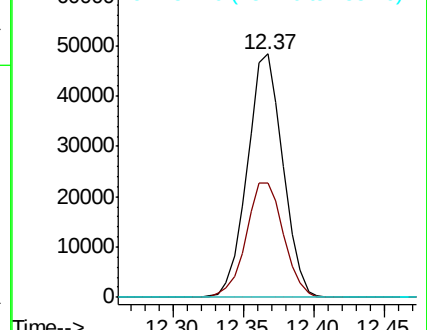
11/5/2020 7:01:11 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

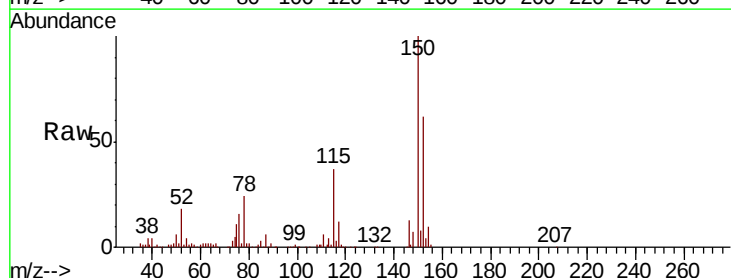
Tgt Ion:152 Resp: 214742

Ion Ratio Lower Upper

152 100

115 58.9 29.3 88.0

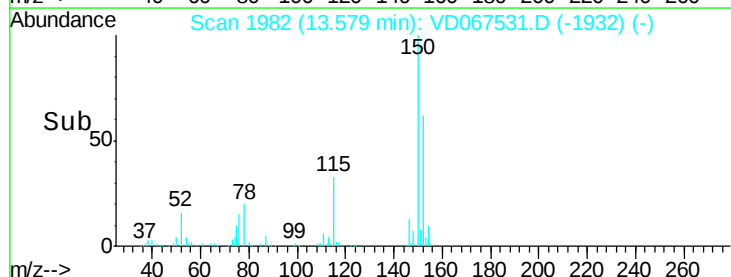
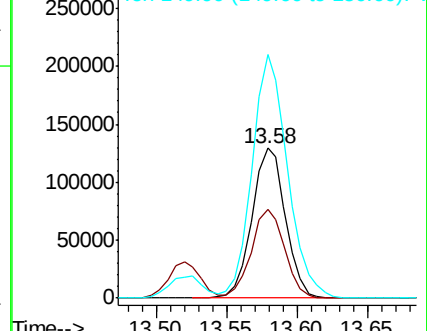
150 172.2 0.0 338.2

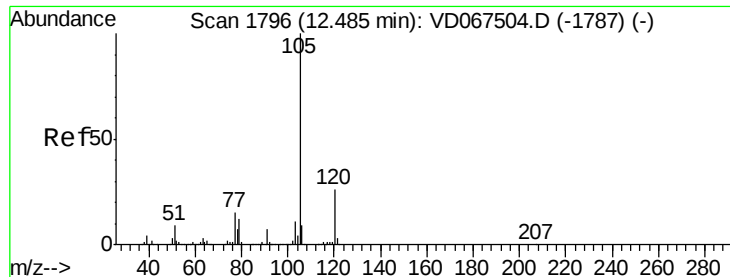


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





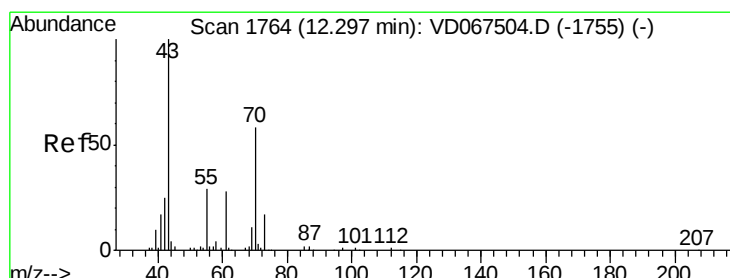
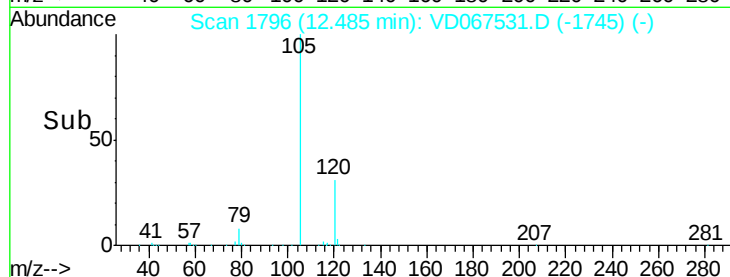
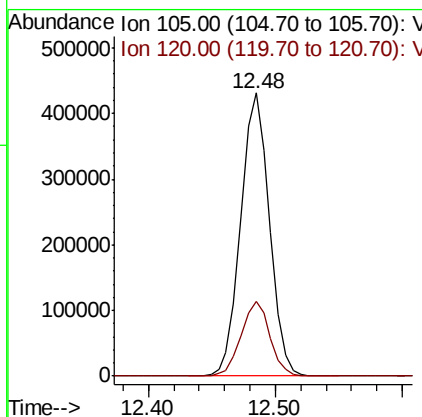
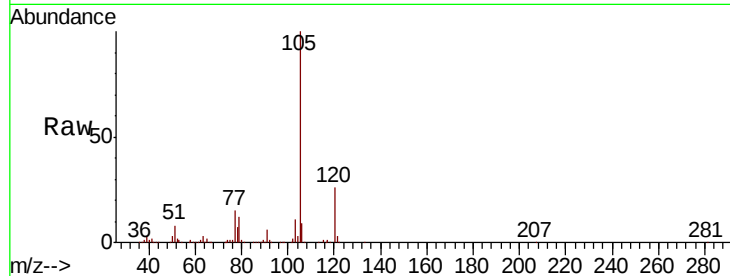
#73
Isopropylbenzene
Concen: 48.710 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6

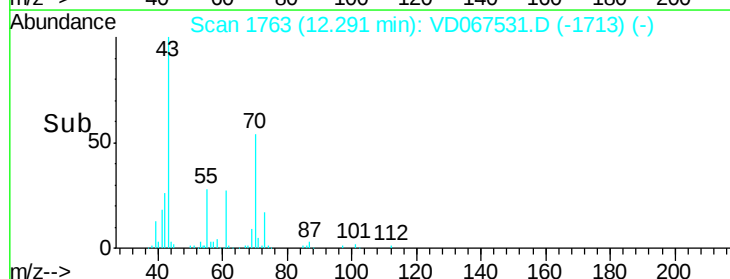
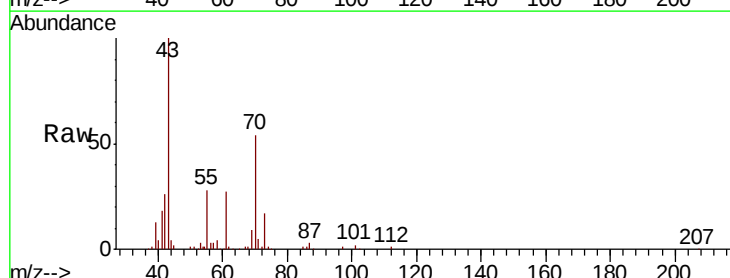
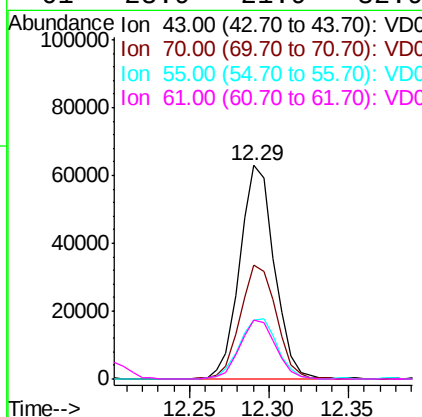
Manual Integrations
APPROVED

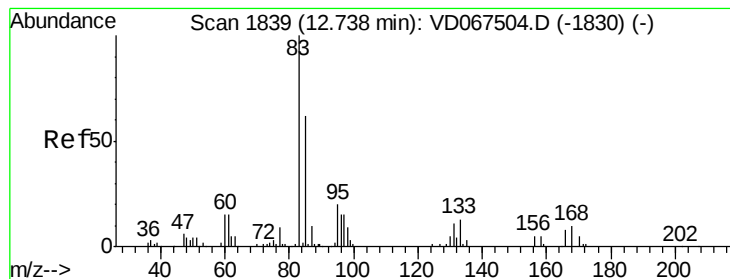
MMDadoda
11/5/2020 7:01:11 PM



#74
N-ethyl acetate
Concen: 52.234 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
43	100		
70	55.7	42.6	64.0
55	30.9	23.7	35.5
61	28.9	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.214 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

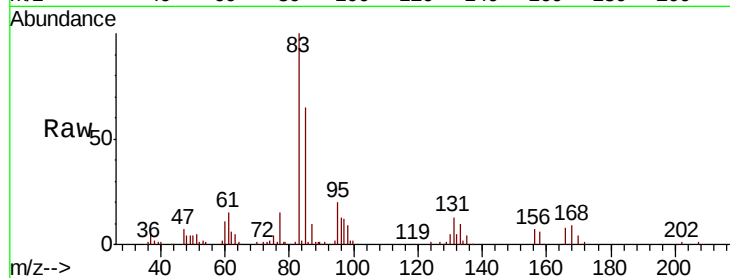
ClientSampleId :

VSTDCCC050EC

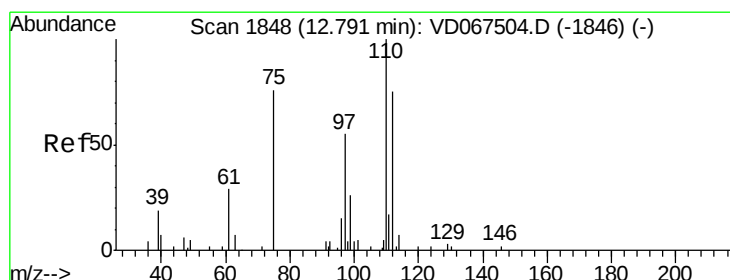
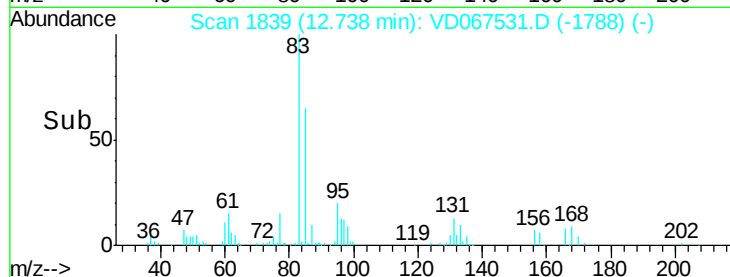
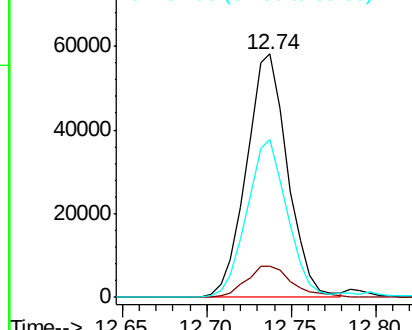
Tot Ion:	83	Resp:	98814
Ion	Ratio	Lower	Upper
83	100		
131	14.4	7.1	21.3
85	63.5	32.9	98.7

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 56.419 ug/l m

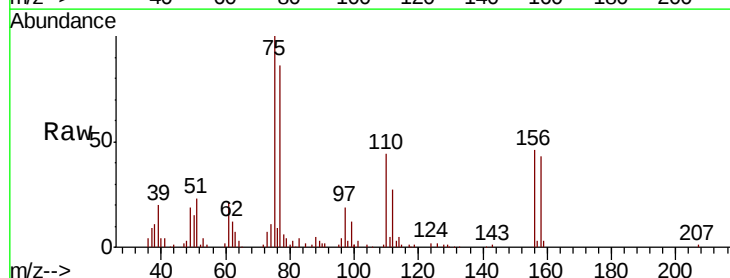
RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

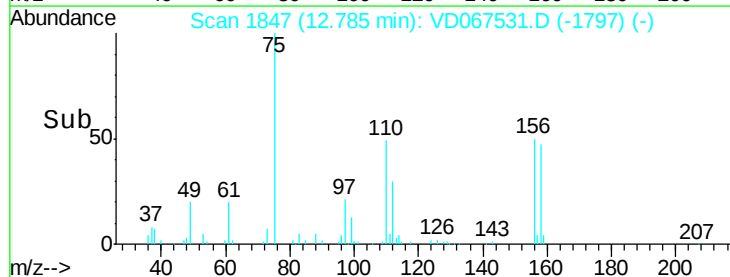
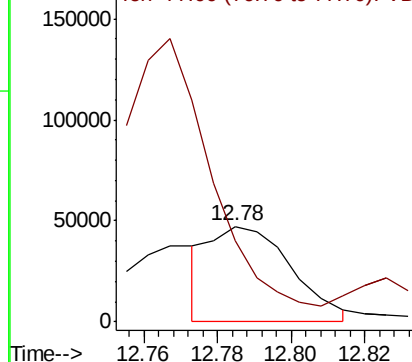
Lab File: VD067531.D

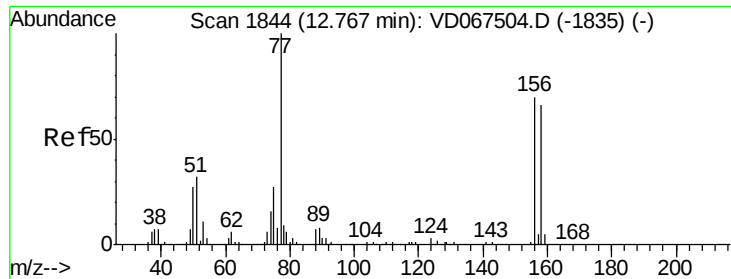
Acq: 04 Nov 2020 20:12

Tgt Ion:	75	Resp:	73088
Ion	Ratio	Lower	Upper
75	100		
77	351.8	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 48.750 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

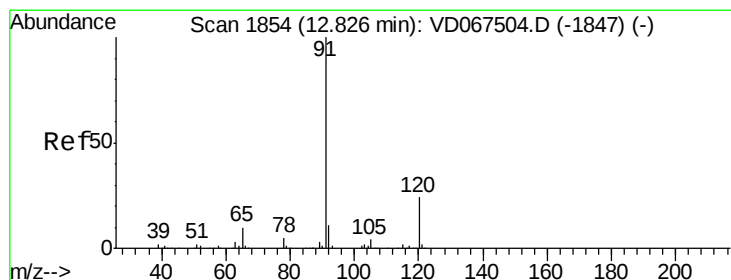
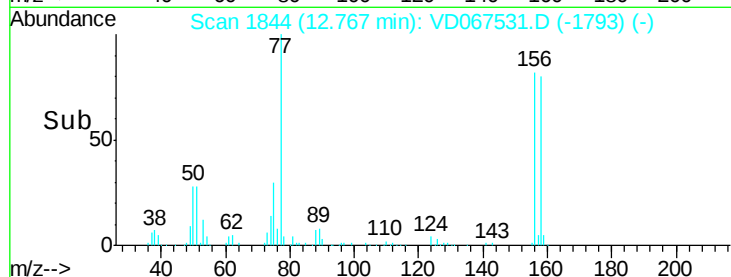
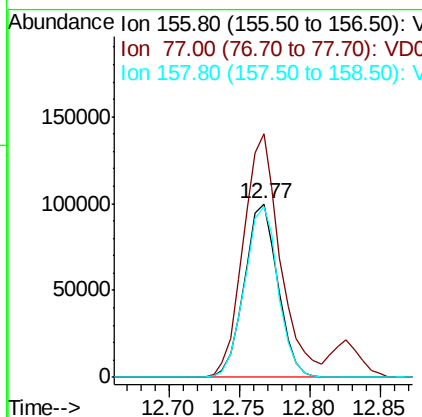
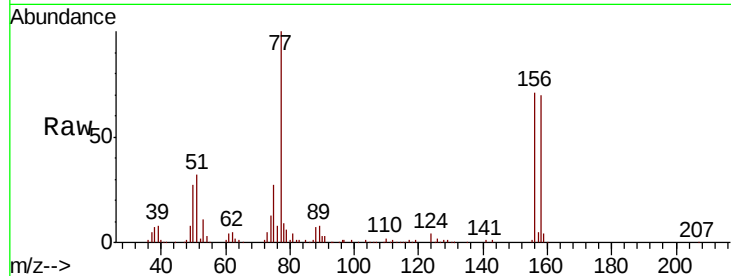
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	166156
Ion Ratio	Lower	Upper	
156	100		
77	154.8	77.8	233.5
158	98.9	47.9	143.7

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#78

n-propylbenzene

Concen: 47.961 ug/l

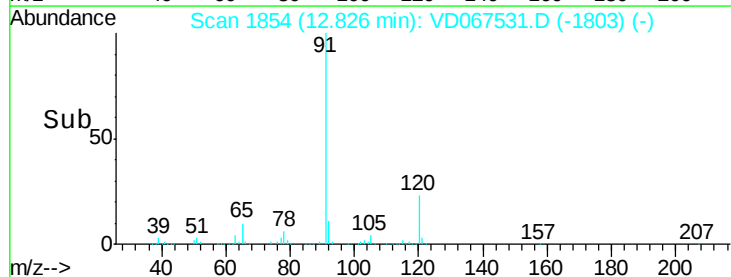
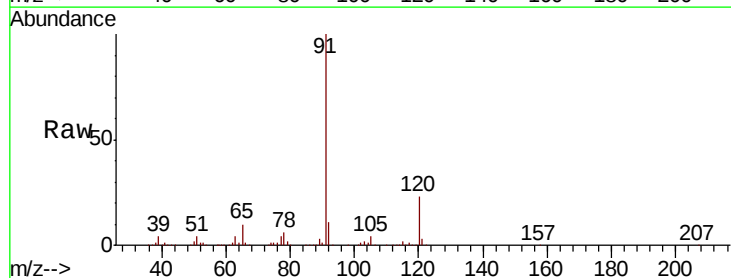
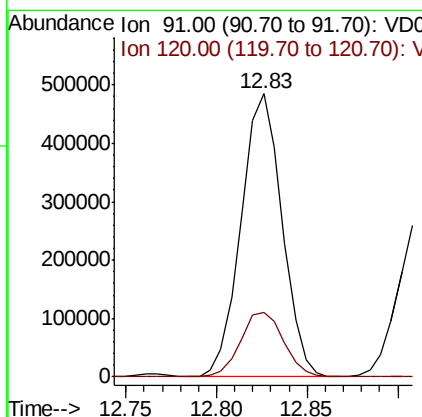
RT: 12.83 min Scan# 1854

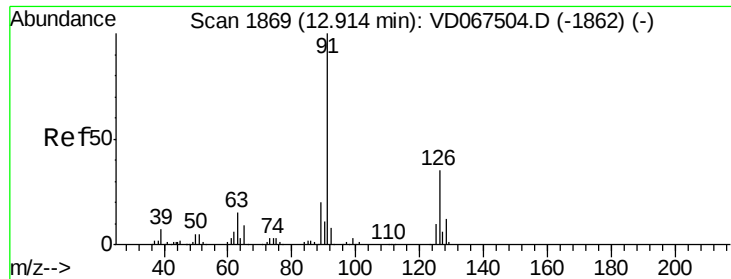
Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Tgt Ion:	91	Resp:	761351
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.2	36.4





#79

2-Chlorotoluene

Concen: 49.275 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067531.D

Acq: 04 Nov 2020 20:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 444338

Ion Ratio Lower Upper

91 100

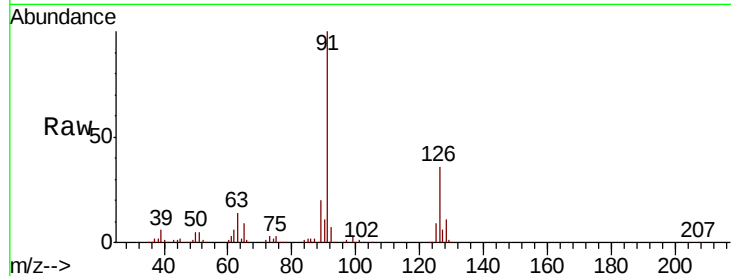
126 35.6 17.8 53.4

Manual Integrations

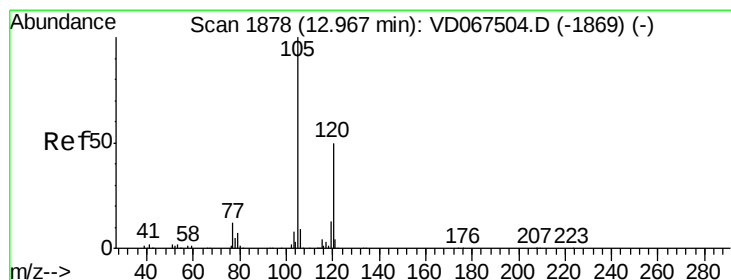
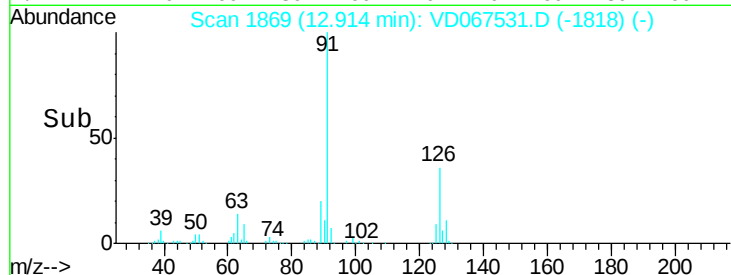
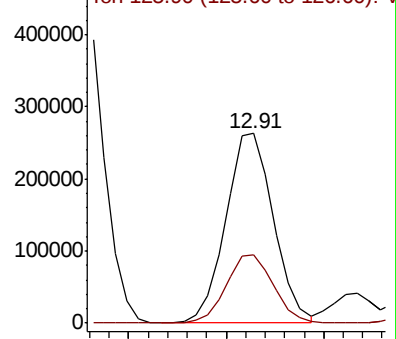
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Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.021 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067531.D

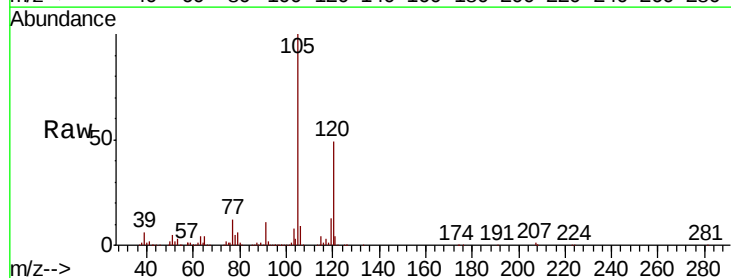
Acq: 04 Nov 2020 20:12

Tgt Ion: 105 Resp: 581169

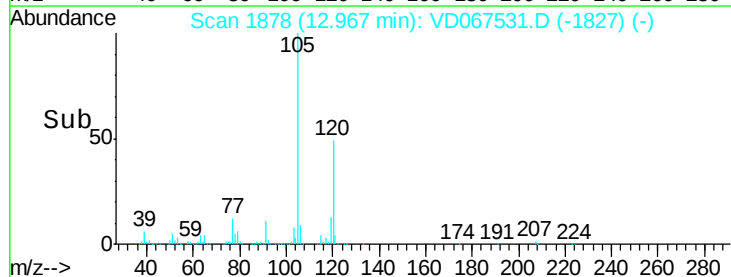
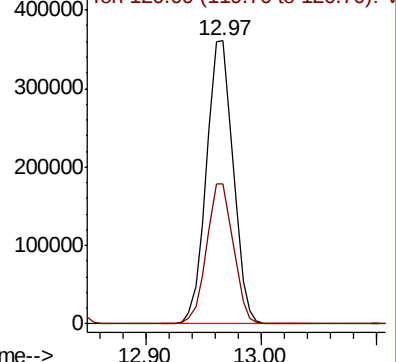
Ion Ratio Lower Upper

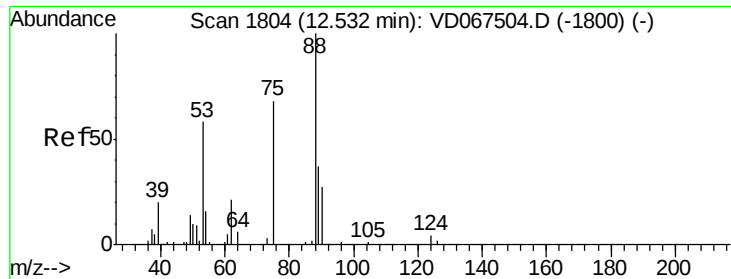
105 100

120 49.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)





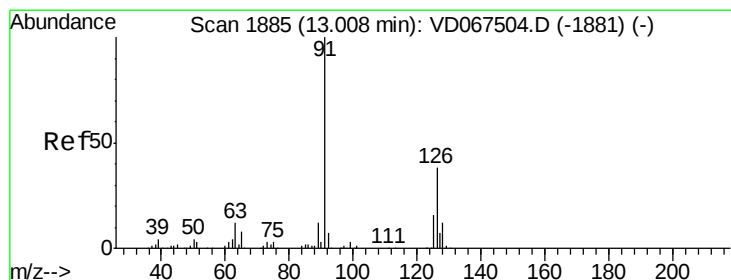
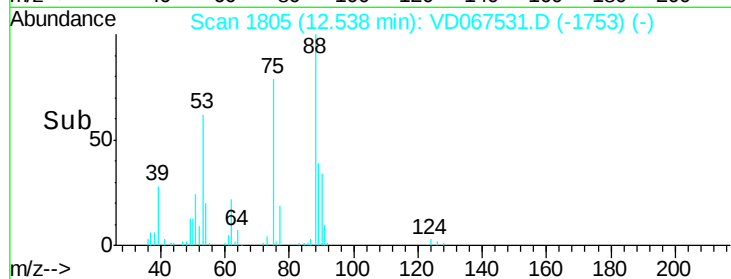
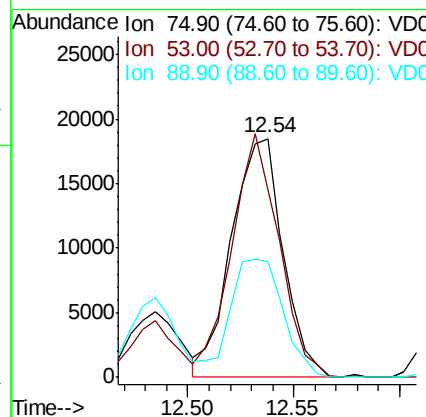
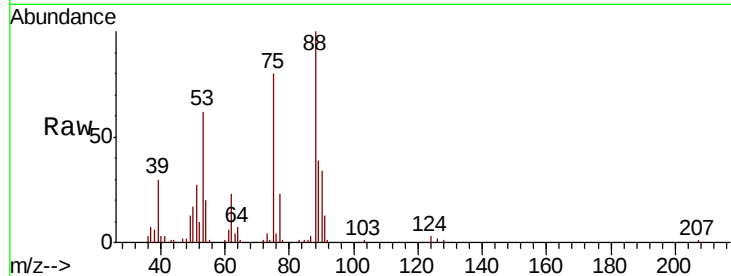
#81
trans-1,4-Dichloro-2-butene
Concen: 48.920 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.7	75.9	113.9
89	51.6	44.6	67.0

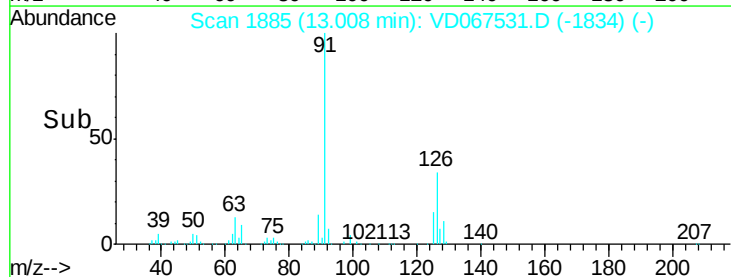
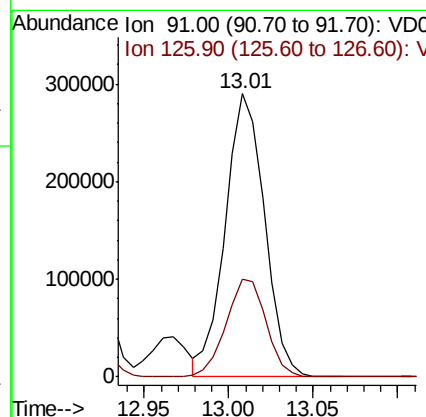
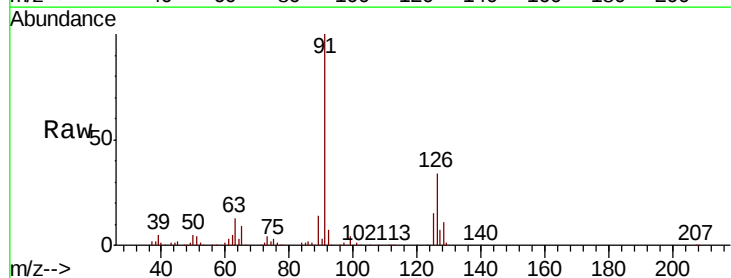
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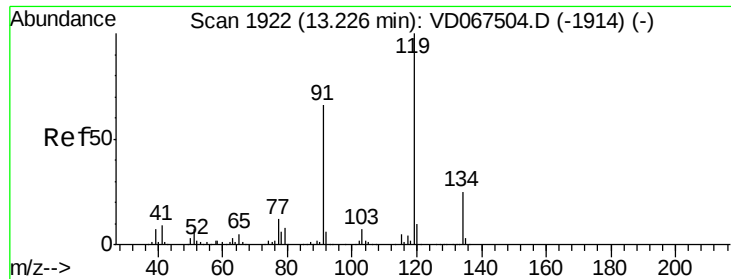
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#82
4-Chlorotoluene
Concen: 48.417 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.9	53.7





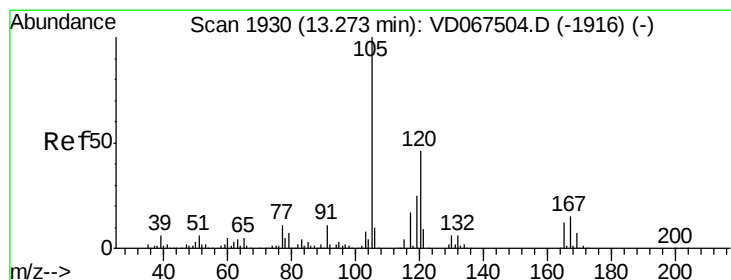
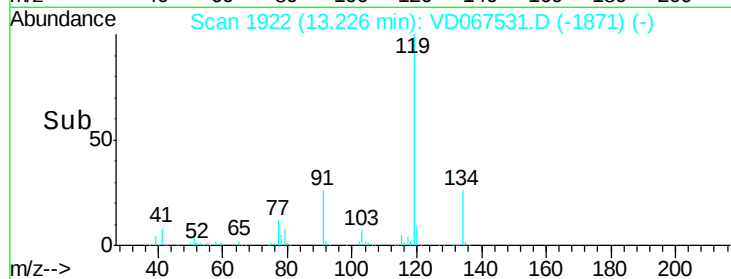
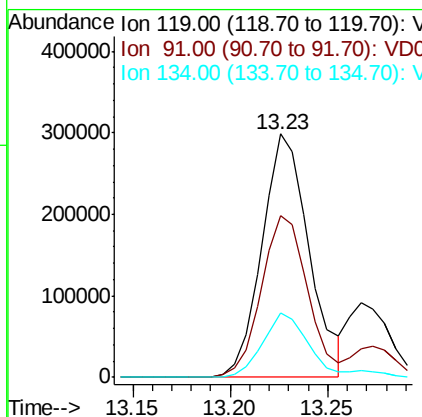
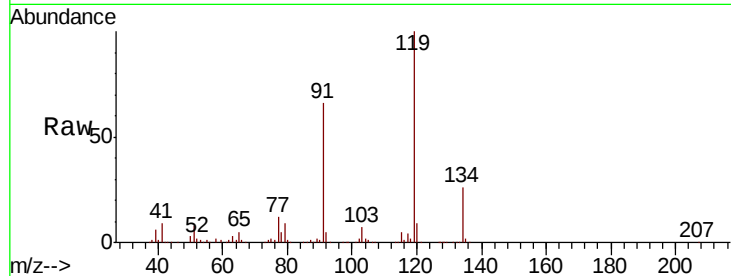
#83
 tert-Butylbenzene
 Concen: 49.794 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.7	98.1
134	25.4	13.4	40.2

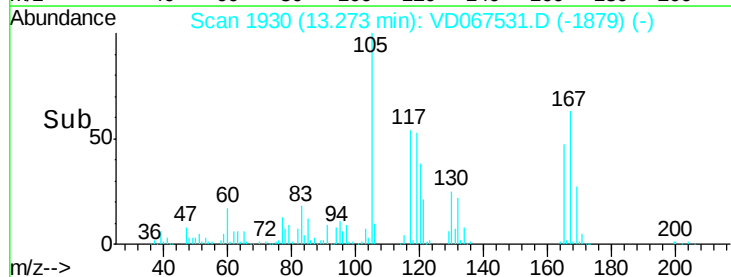
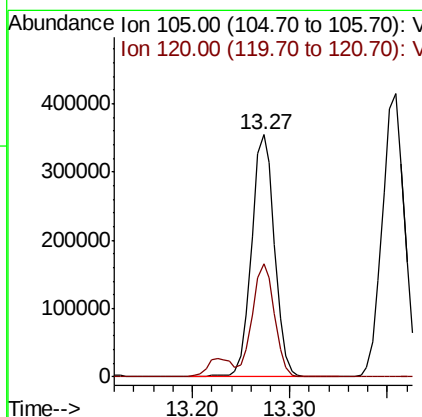
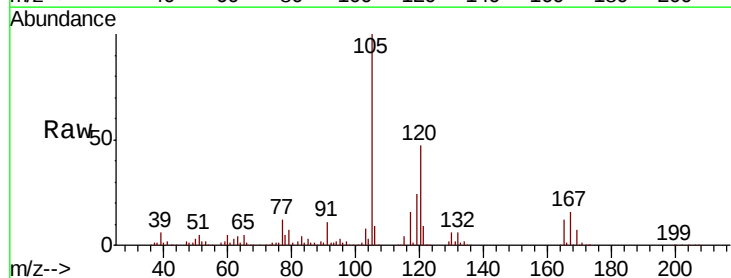
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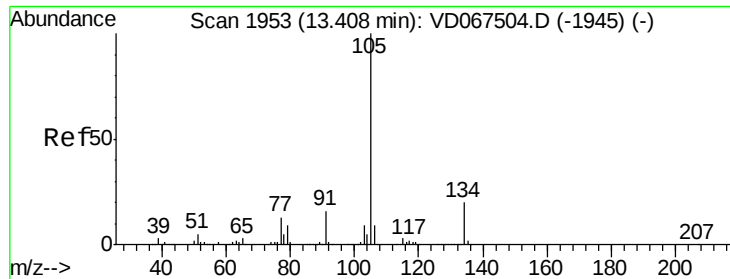
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.703 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.1	66.1





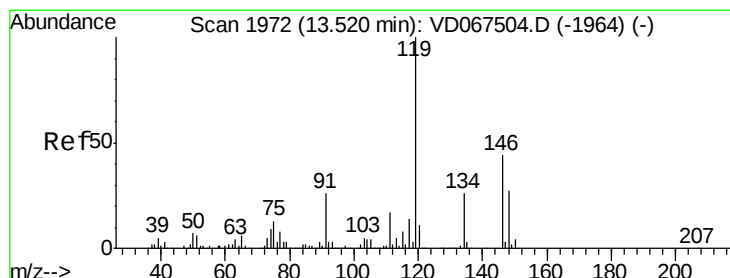
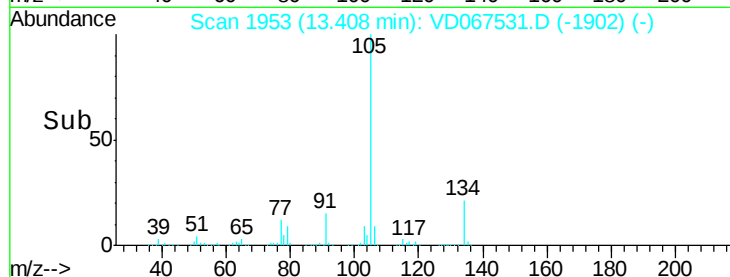
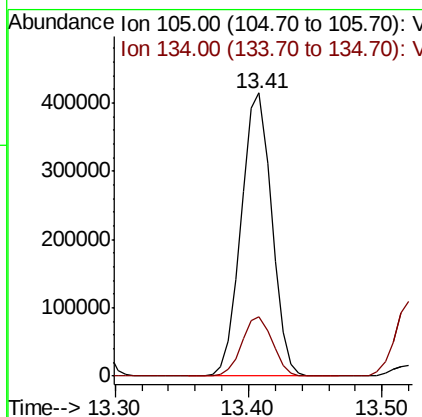
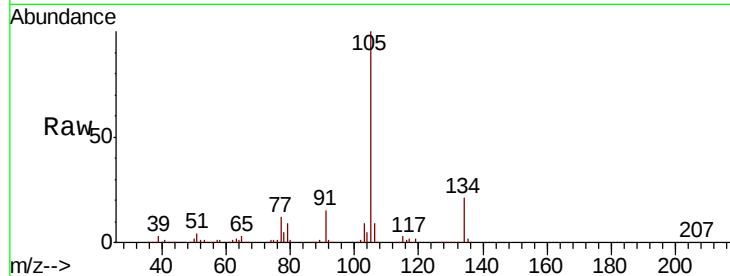
#85
 sec-Butylbenzene
 Concen: 48.273 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.4	31.4

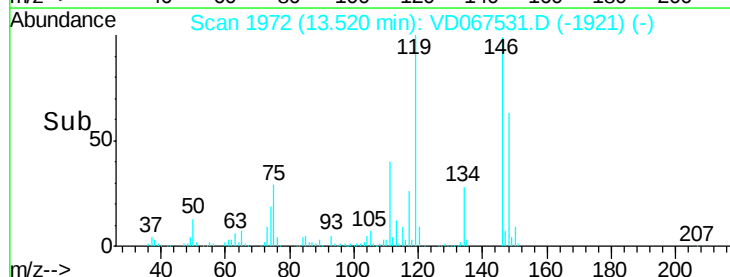
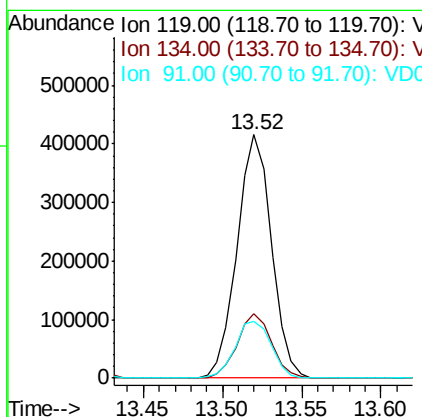
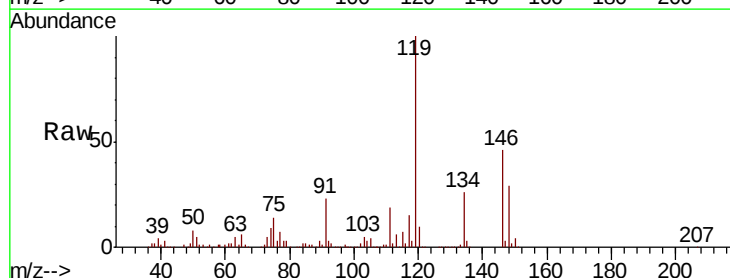
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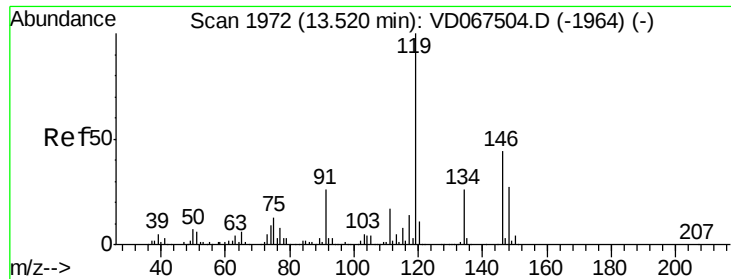
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 11/5/2020 7:01:11 PM



#86
 p-Isopropyltoluene
 Concen: 47.766 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.3
91	24.4	12.2	36.4





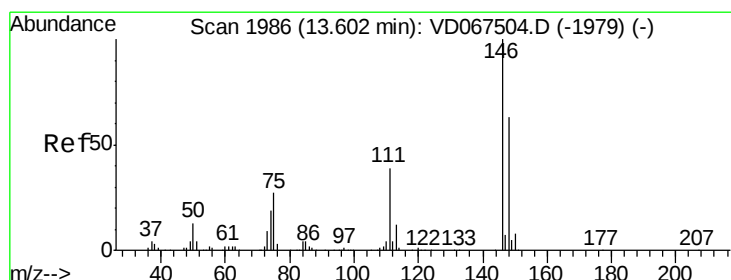
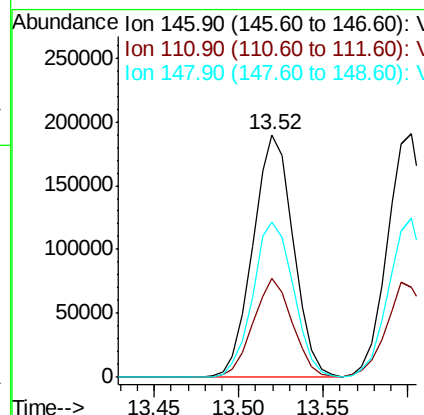
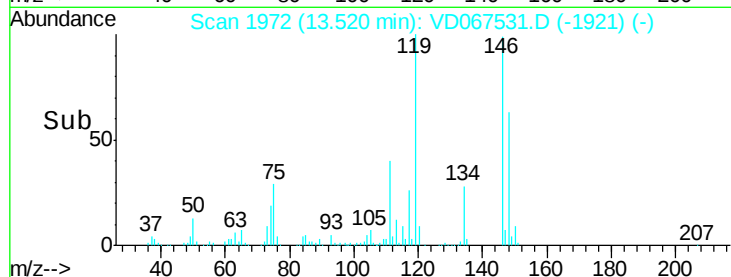
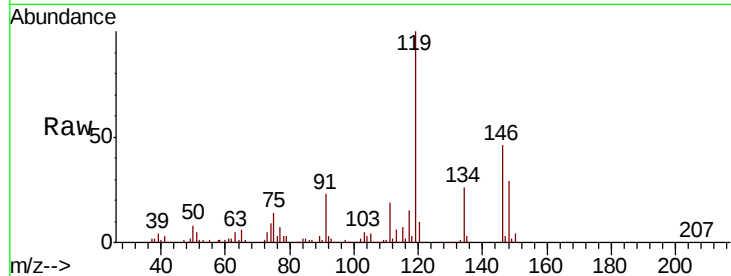
#87
 1,3-Dichlorobenzene
 Concen: 48.644 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	64.4	31.9	95.9

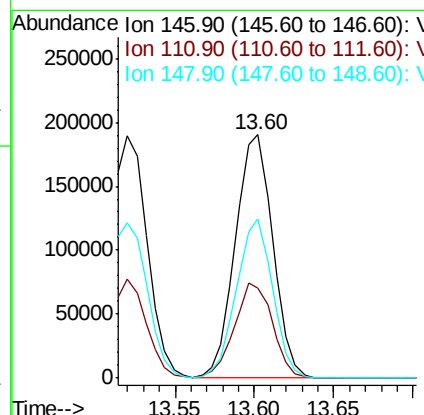
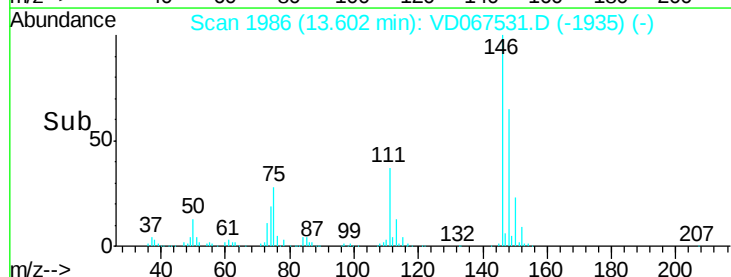
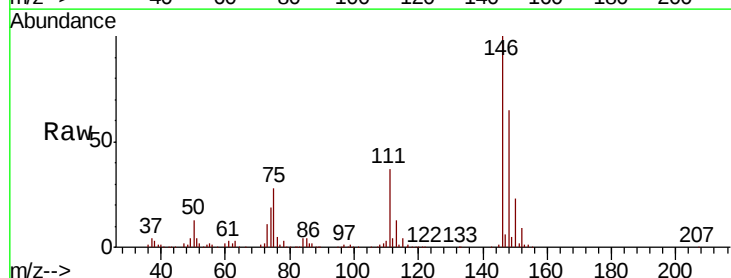
Manual Integrations
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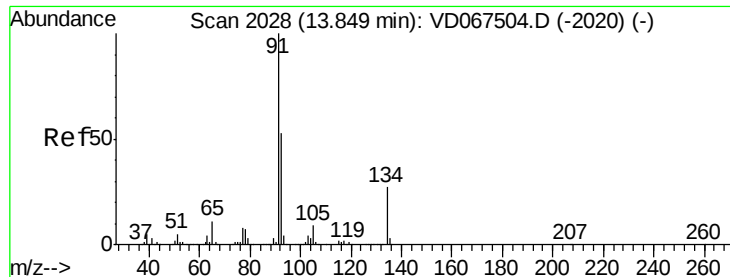
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#88
 1,4-Dichlorobenzene
 Concen: 47.359 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	63.4	31.8	95.4





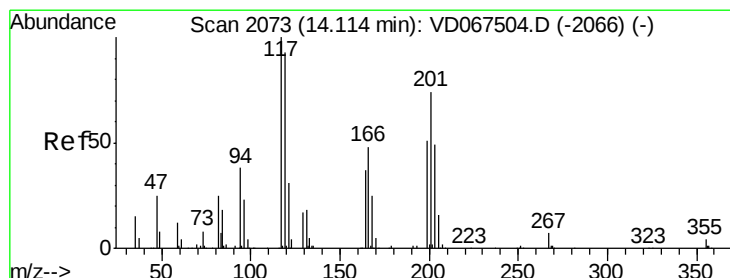
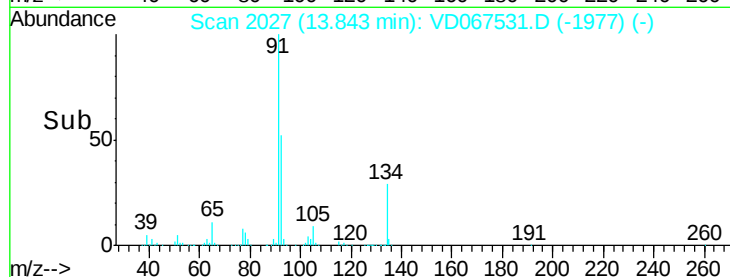
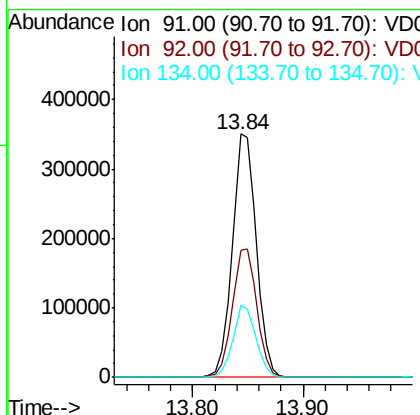
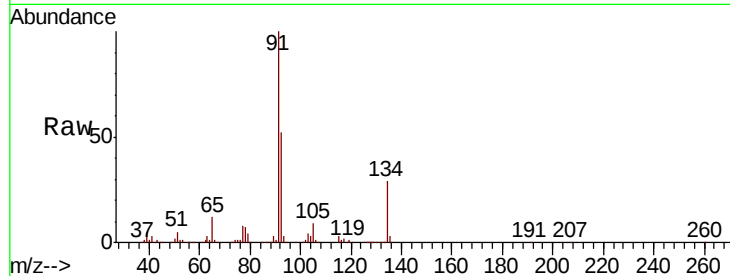
#89
n-Butylbenzene
Concen: 47.298 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.8
134	28.5	14.1	42.2

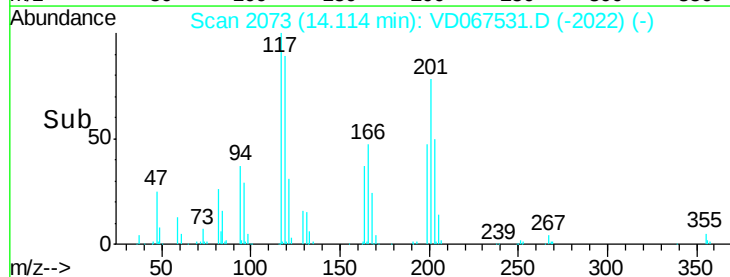
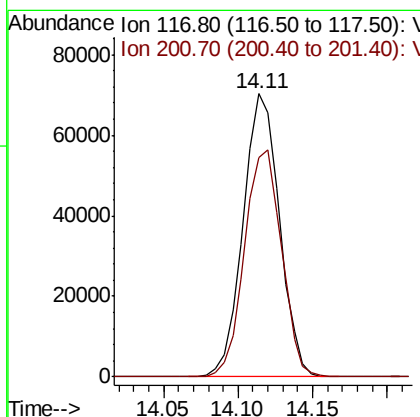
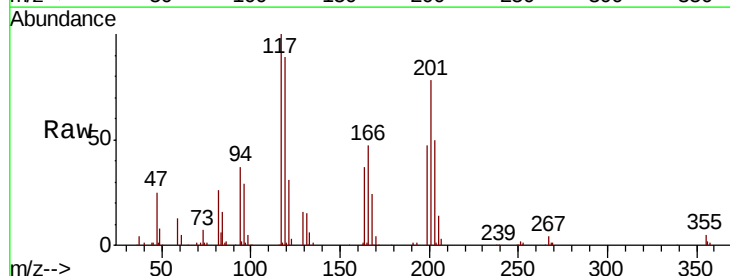
Manual Integrations
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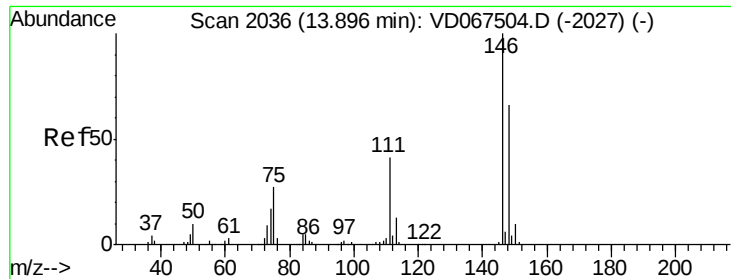
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#90
Hexachloroethane
Concen: 48.014 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	40.7	122.1





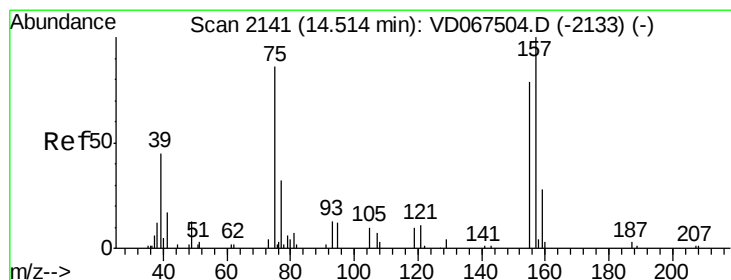
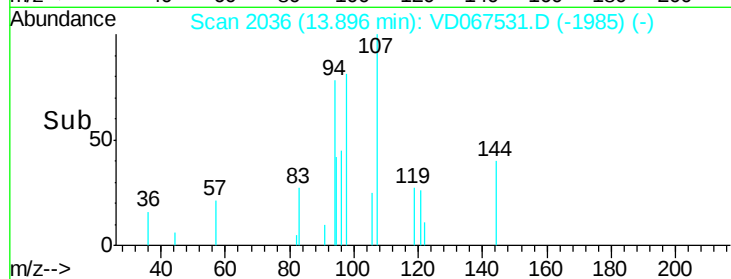
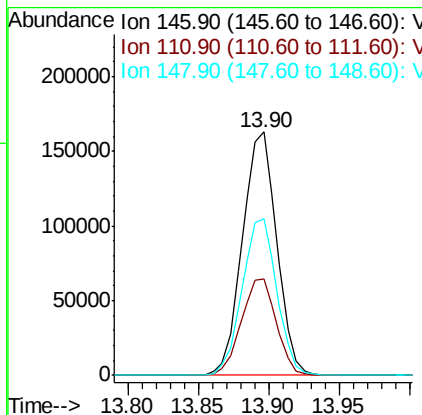
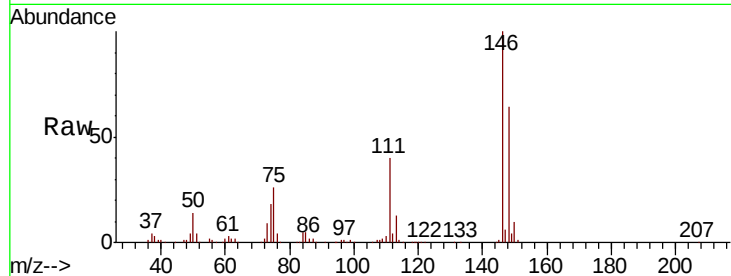
#91
 1,2-Dichlorobenzene
 Concen: 49.496 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.7	62.1
148	65.0	31.5	94.5

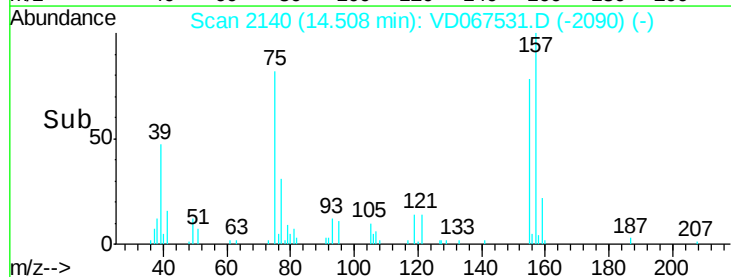
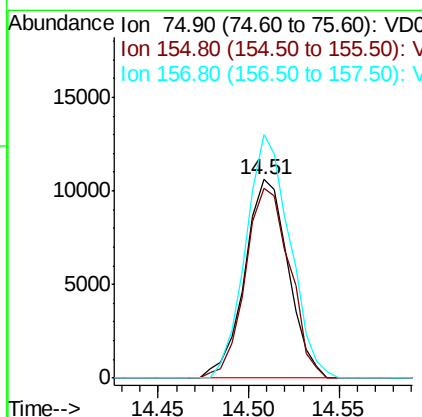
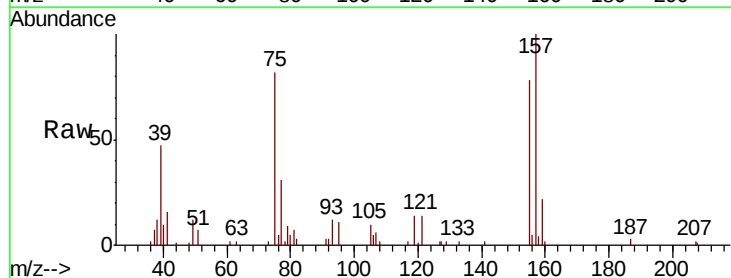
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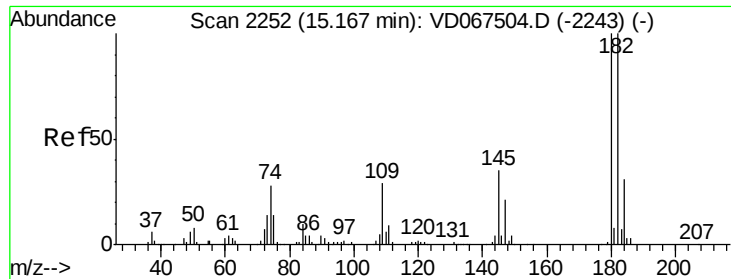
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.111 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067531.D
 Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	46.6	139.8
157	123.3	58.1	174.2





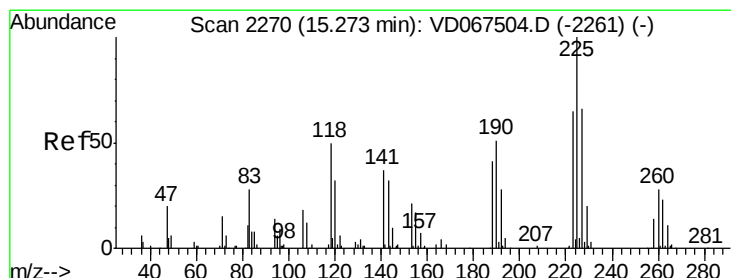
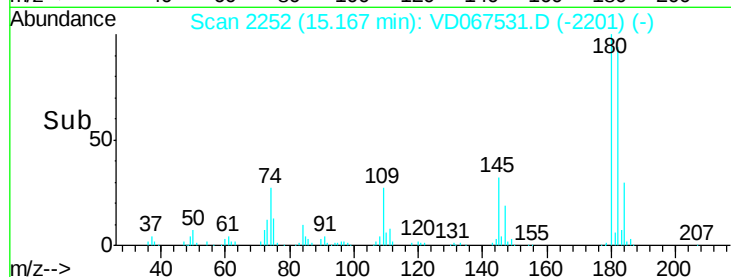
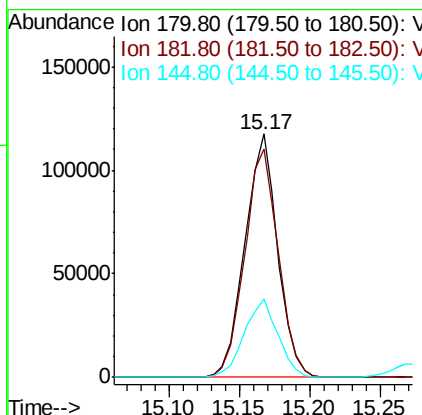
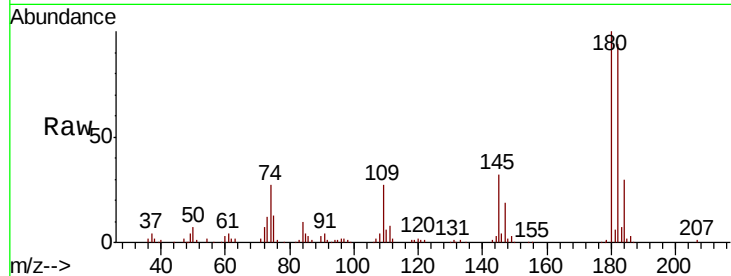
#93
1,2,4-Trichlorobenzene
Concen: 49.825 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	190347		
182	96.6	47.4	142.3	
145	33.0	16.2	48.6	

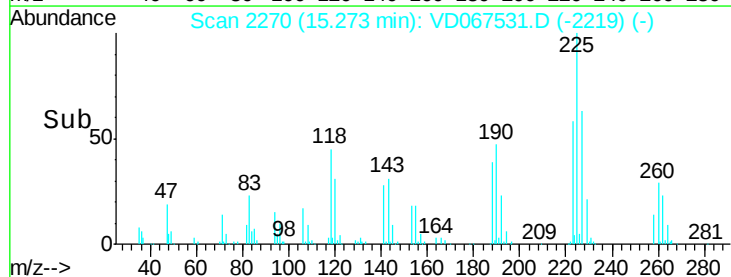
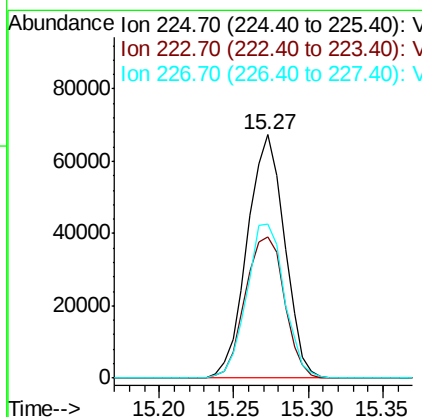
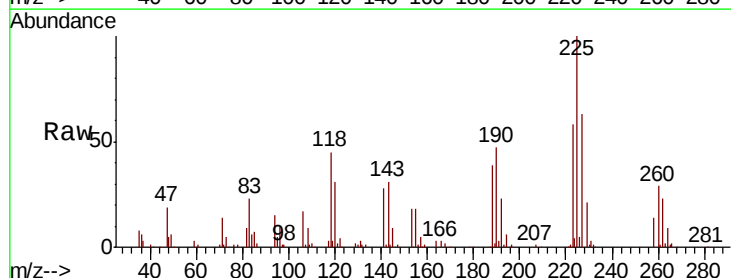
Manual Integrations
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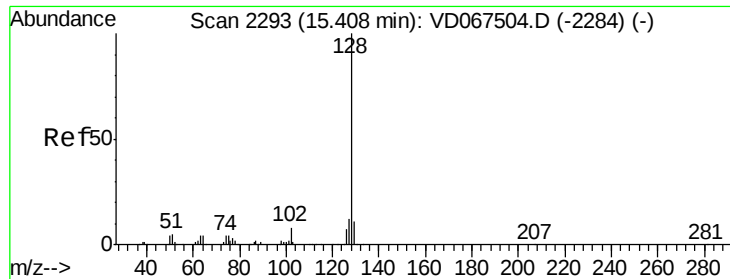
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#94
Hexachlorobutadiene
Concen: 45.524 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	116395		
223	61.1	31.9	95.5	
227	64.0	32.5	97.4	





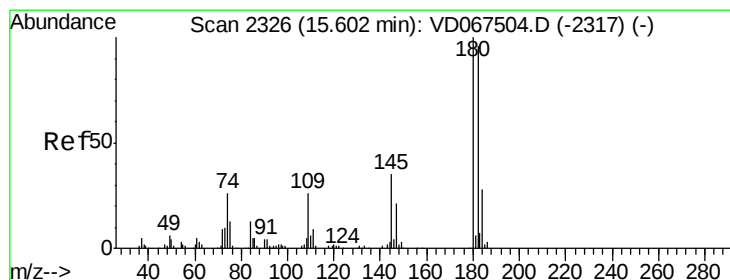
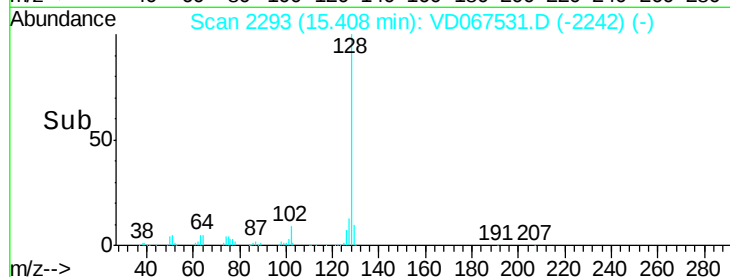
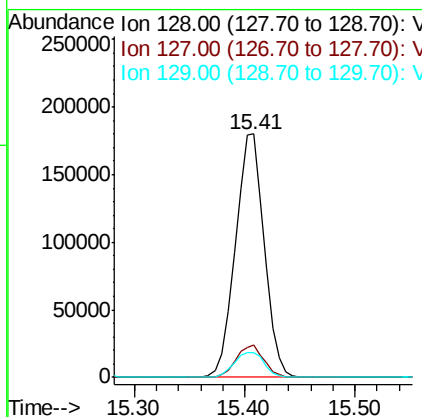
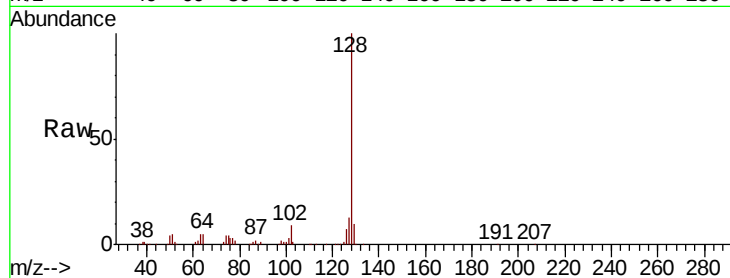
#95
Naphthalene
Concen: 55.978 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 50.110 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067531.D
Acq: 04 Nov 2020 20:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	46.9	140.8
145	34.3	17.1	51.2

