

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065634.D
 Acq On : 15 Apr 2020 14:37
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 3:13:32 PM

Quant Time: Apr 15 19:46:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	226354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	335123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	319527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	165097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	20149	9.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.92%	
35) Dibromofluoromethane	7.92	113	21437	9.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.64%	
50) Toluene-d8	10.34	98	74597	8.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.82%	
62) 4-Bromofluorobenzene	12.64	95	24029	8.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	18793	9.310	ug/l	98
3) Chloromethane	2.21	50	21166	8.590	ug/l	99
4) Vinyl Chloride	2.35	62	22827	9.783	ug/l	96
5) Bromomethane	2.77	94	12485	7.832	ug/l	94
6) Chloroethane	2.92	64	13679	9.522	ug/l	98
7) Trichlorofluoromethane	3.27	101	34508	9.803	ug/l	96
8) Diethyl Ether	3.71	74	6499	8.987	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	15218	7.006	ug/l	99
10) Methyl Iodide	4.30	142	16569	7.768	ug/l	99
11) Tert butyl alcohol	5.24	59	6389	62.304	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	13014	6.517	ug/l	88
13) Acrolein	3.93	56	3902	27.344	ug/l	99
14) Allyl chloride	4.71	41	19817	6.684	ug/l	99
15) Acrylonitrile	5.43	53	20282	48.894	ug/l	100
16) Acetone	4.17	43	13549	36.689	ug/l	96
17) Carbon Disulfide	4.40	76	45196	6.807	ug/l	96
18) Methyl Acetate	4.73	43	7932	7.387	ug/l #	90
19) Methyl tert-butyl Ether	5.47	73	35102	8.926	ug/l	95
20) Methylene Chloride	4.96	84	25939	10.834	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	22246	9.801	ug/l	95
22) Diisopropyl ether	6.36	45	57572	9.321	ug/l	91
23) Vinyl Acetate	6.31	43	140863	42.759	ug/l	100
24) 1,1-Dichloroethane	6.26	63	39070	9.620	ug/l	98
25) 2-Butanone	7.22	43	25034	46.468	ug/l	91
26) 2,2-Dichloropropane	7.21	77	33785	9.339	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	22694	9.154	ug/l	98
28) Bromochloromethane	7.55	49	16474	9.983	ug/l	100
29) Tetrahydrofuran	7.57	42	14761	43.319	ug/l	94
30) Chloroform	7.71	83	40623	9.569	ug/l	100
31) Cyclohexane	7.98	56	36594	9.652	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	36573	9.579	ug/l	99
36) 1,1-Dichloropropene	8.11	75	31494	9.274	ug/l	99
37) Ethyl Acetate	7.30	43	12006	9.127	ug/l #	79
38) Carbon Tetrachloride	8.10	117	35020	9.492	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	33364	8.679	ug/l	100
40) Benzene	8.36	78	91576	9.409	ug/l	98
41) Methacrylonitrile	7.53	41	6161m	8.266	ug/l	
42) 1,2-Dichloroethane	8.43	62	25052	9.102	ug/l	97
43) Isopropyl Acetate	8.46	43	20944	8.840	ug/l	98
44) Trichloroethene	9.11	130	25163	9.051	ug/l	92
45) 1,2-Dichloropropane	9.39	63	21860	9.154	ug/l	100
46) Dibromomethane	9.47	93	11539	8.965	ug/l	98
47) Bromodichloromethane	9.67	83	30928	9.208	ug/l	91
48) Methyl methacrylate	9.46	41	9077	8.034	ug/l #	87
49) 1,4-Dioxane	9.46	88	2298	164.157	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	51761	42.063	ug/l	97
52) Toluene	10.40	92	54171	8.831	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	26063	8.649	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	31870	8.697	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	16200	8.910	ug/l	97
56) Ethyl methacrylate	10.67	69	14736	8.003	ug/l	98
57) 1,3-Dichloropropane	10.95	76	27404	9.103	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	38171	39.823	ug/l	99
59) 2-Hexanone	10.99	43	33950	41.324	ug/l	97
60) Dibromochloromethane	11.14	129	21288	8.869	ug/l	98
61) 1,2-Dibromoethane	11.25	107	15706	9.083	ug/l	98
64) Tetrachloroethene	10.88	164	22312	8.987	ug/l	99
65) Chlorobenzene	11.67	112	61550	9.078	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	24209	9.383	ug/l	100
67) Ethyl Benzene	11.75	91	98255	8.796	ug/l	99
68) m/p-Xylenes	11.86	106	77786	17.714	ug/l	99
69) o-Xylene	12.18	106	32620	8.589	ug/l	99
70) Styrene	12.20	104	57316	8.526	ug/l	99
71) Bromoform	12.37	173	13309	9.030	ug/l #	96
73) Isopropylbenzene	12.48	105	87599	8.527	ug/l	100
74) N-amyl acetate	12.30	43	18116	8.596	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	17503	9.052	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	11675m	8.591	ug/l	
77) Bromobenzene	12.77	156	25360	8.942	ug/l	97
78) n-propylbenzene	12.83	91	109450	8.812	ug/l	99
79) 2-Chlorotoluene	12.91	91	64658	9.068	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	74704	8.580	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	5607	9.670	ug/l	98
82) 4-Chlorotoluene	13.01	91	71920	9.337	ug/l	97
83) tert-Butylbenzene	13.23	119	61949	8.594	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	75267	8.721	ug/l	100
85) sec-Butylbenzene	13.41	105	90843	8.780	ug/l	100
86) p-Isopropyltoluene	13.53	119	91111	9.549	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	50446	9.184	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	50842	9.263	ug/l	95
89) n-Butylbenzene	13.86	91	76138	8.806	ug/l	98
90) Hexachloroethane	14.12	117	19499	9.336	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	42959	9.164	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2594	8.628	ug/l	95

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VSTDICC010

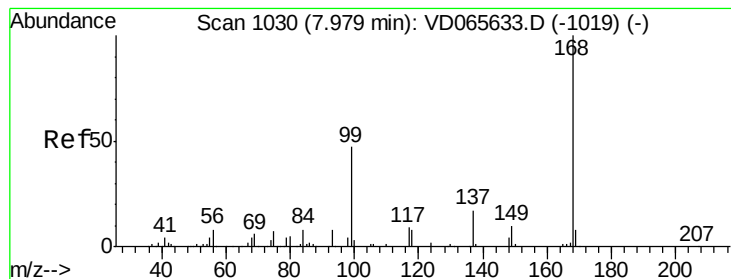
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	27243	8.793	ug/l	98
94) Hexachlorobutadiene	15.28	225	20755	9.662	ug/l	96
95) Naphthalene	15.41	128	35501	7.794	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	23920	8.815	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 226354

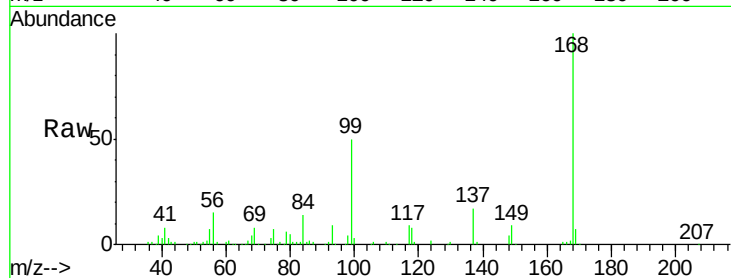
Ion Ratio Lower Upper

168 100

99 50.2 40.3 60.5

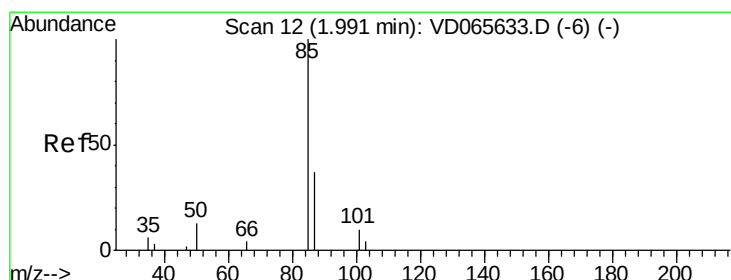
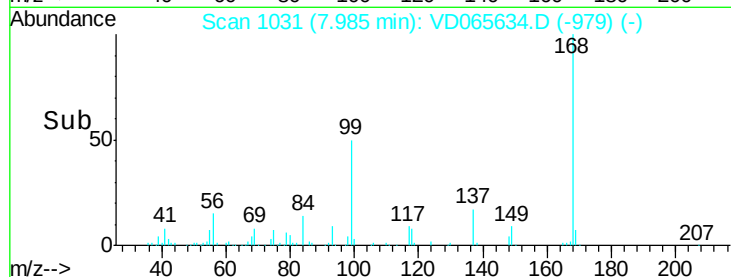
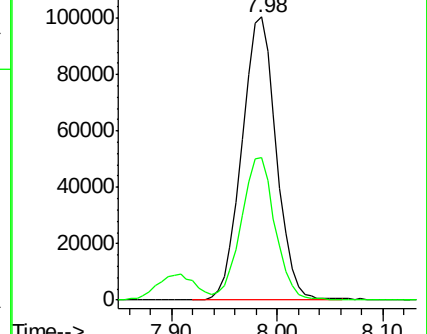
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 9.310 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065634.D

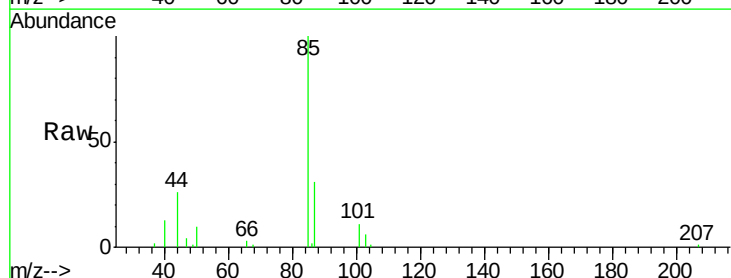
Acq: 15 Apr 2020 14:37

Tgt Ion: 85 Resp: 18793

Ion Ratio Lower Upper

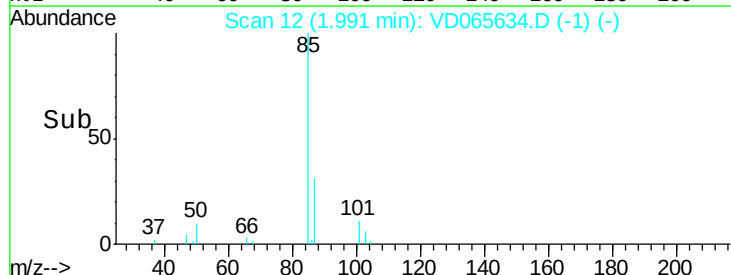
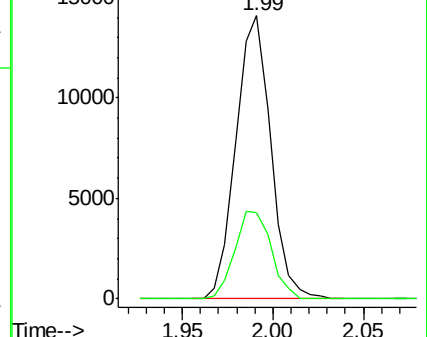
85 100

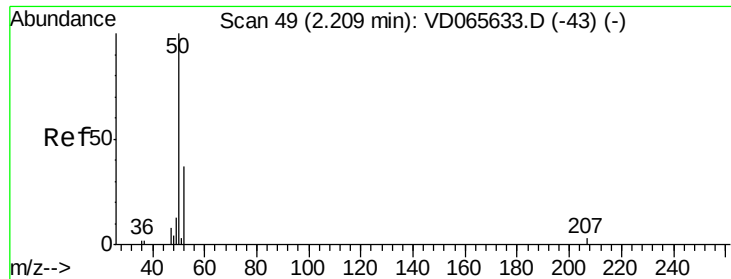
87 30.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 8.590 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 21166

Ion Ratio Lower Upper

50 100

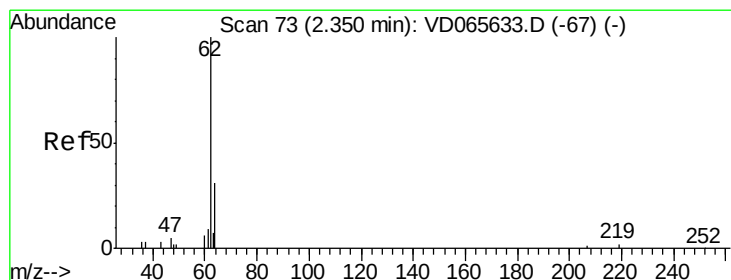
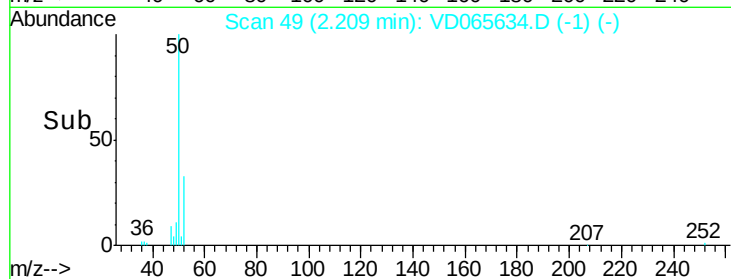
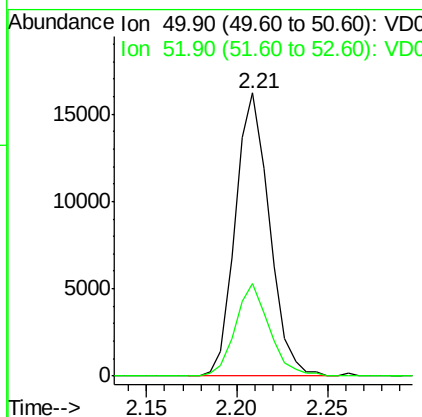
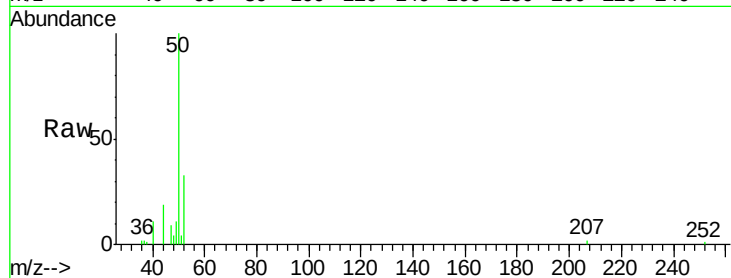
52 32.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 9.783 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065634.D

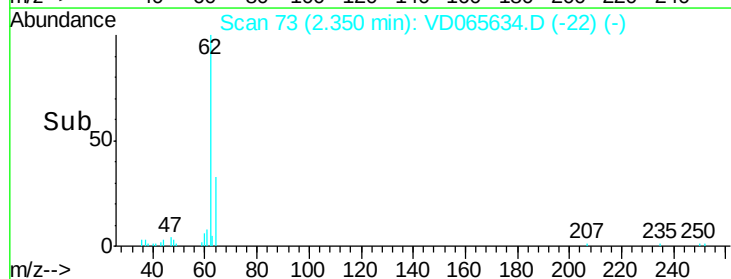
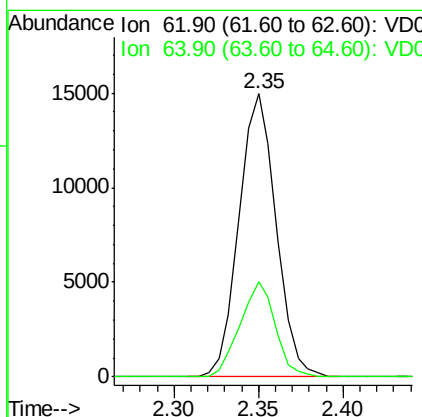
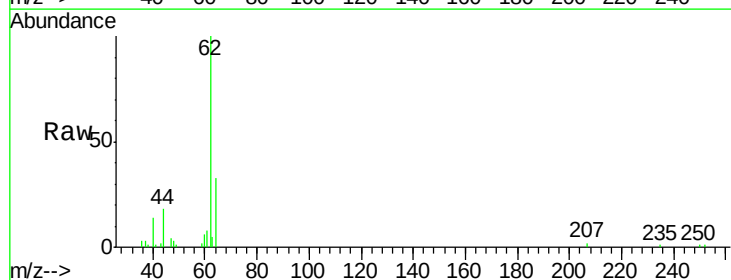
Acq: 15 Apr 2020 14:37

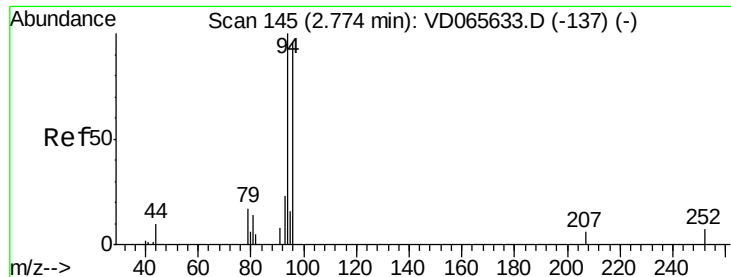
Tgt Ion: 62 Resp: 22827

Ion Ratio Lower Upper

62 100

64 33.5 25.1 37.7





#5

Bromomethane

Concen: 7.832 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 12485

Ion Ratio Lower Upper

94 100

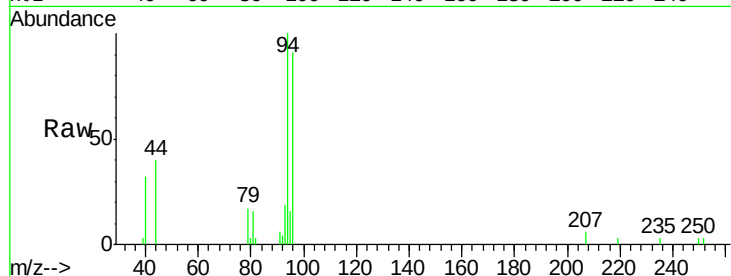
96 91.2 77.9 116.9

Manual Integrations

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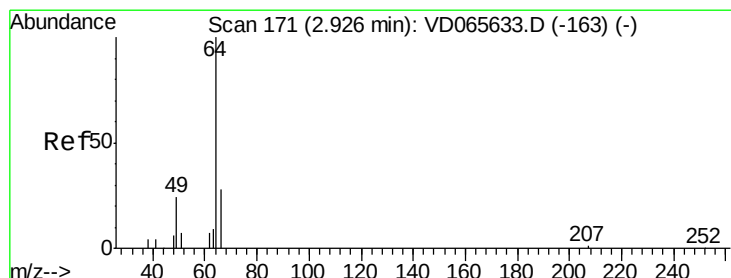
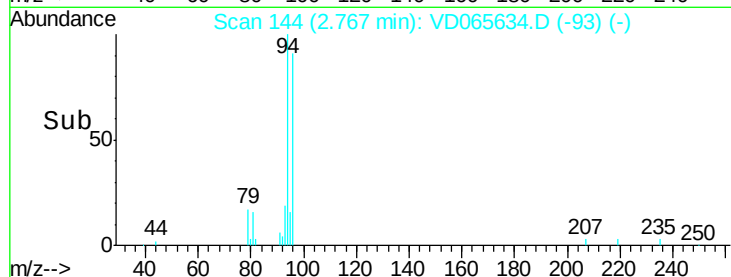
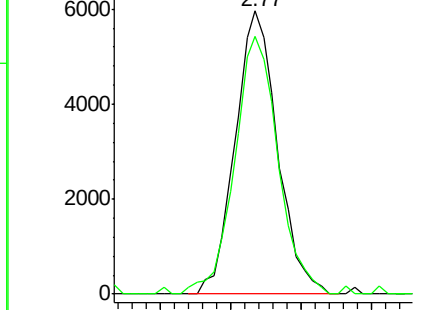
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 9.522 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD065634.D

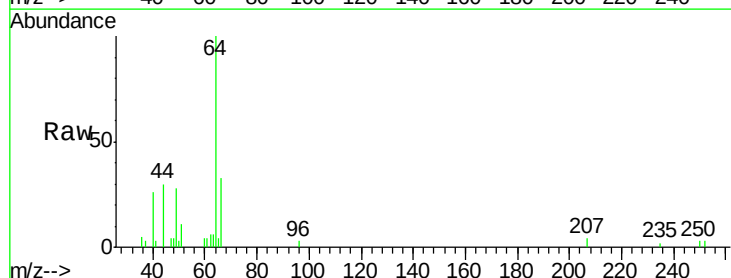
Acq: 15 Apr 2020 14:37

Tgt Ion: 64 Resp: 13679

Ion Ratio Lower Upper

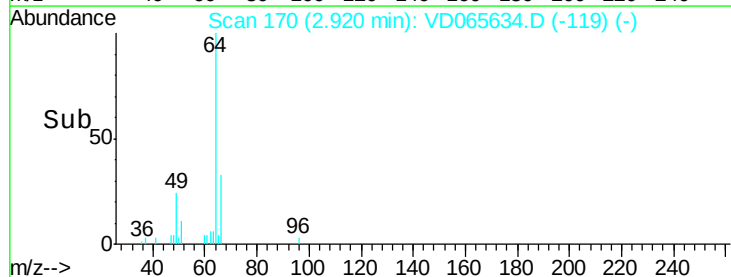
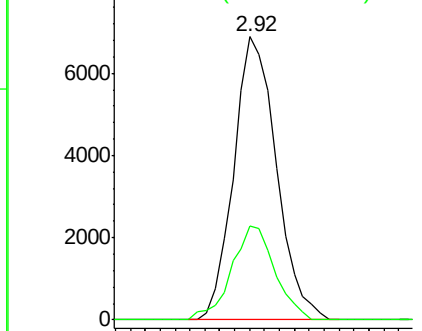
64 100

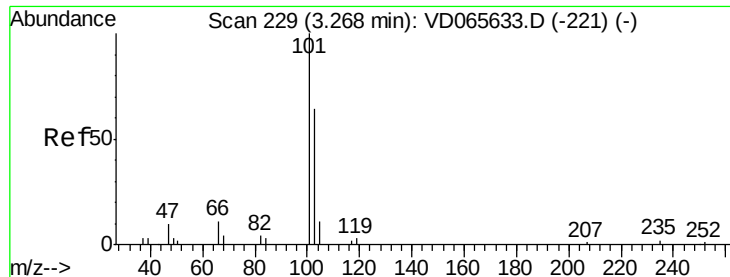
66 33.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

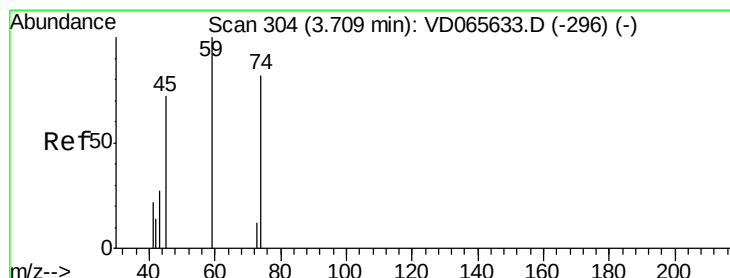
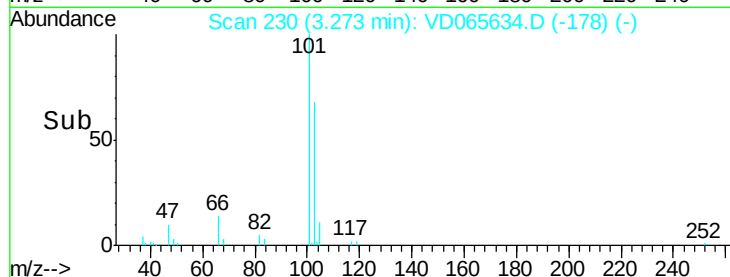
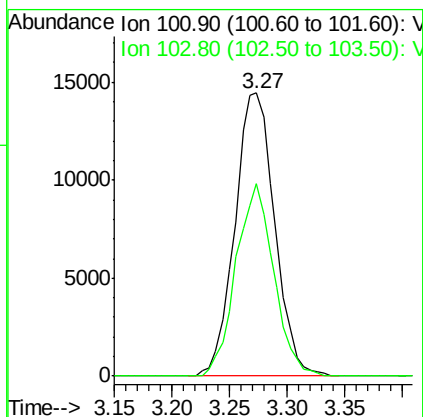
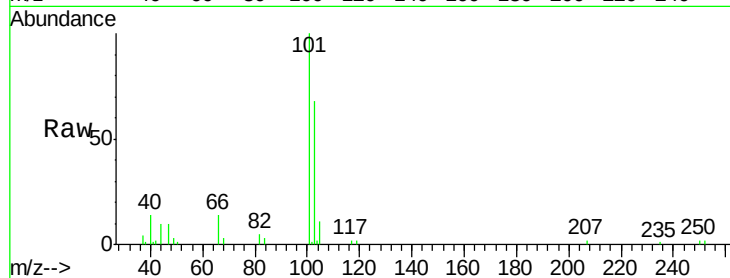
Trichlorofluoromethane
 Concen: 9.803 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Instrument :
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 VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.2	52.2	78.4

Manual Integrations
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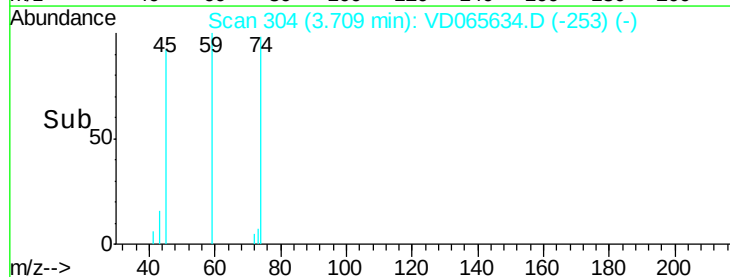
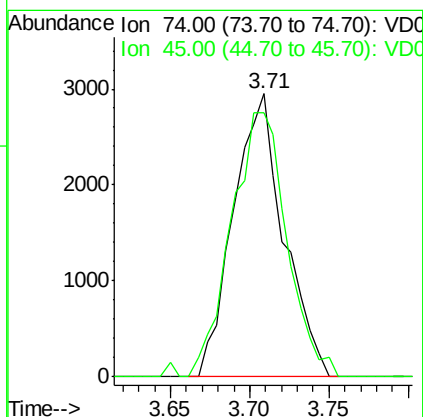
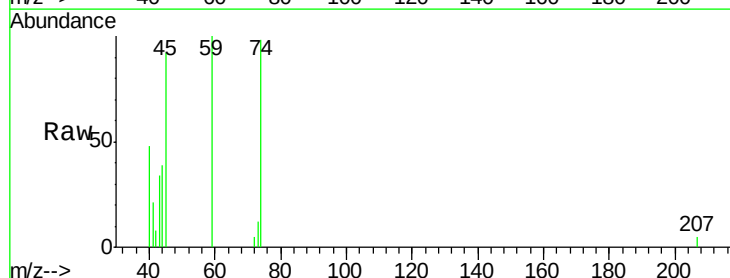
MMDadoda
 4/16/2020 3:13:32 PM

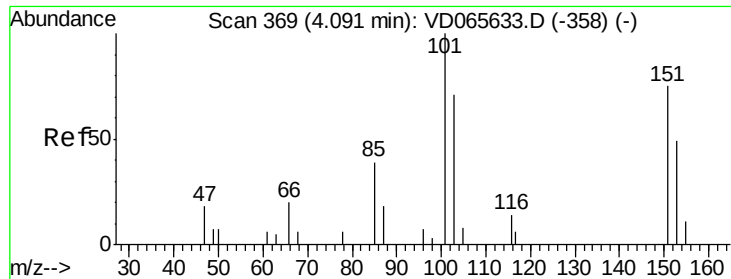


#8

Diethyl Ether
 Concen: 8.987 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.006 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

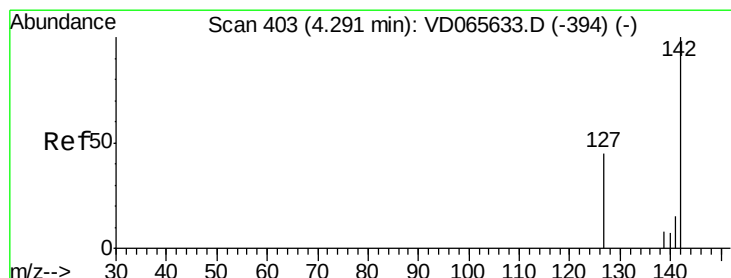
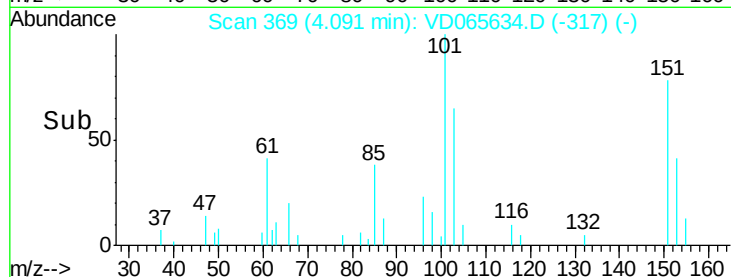
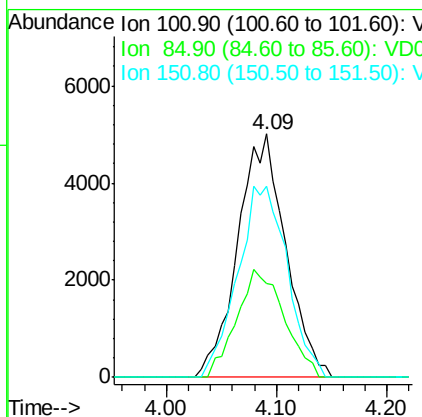
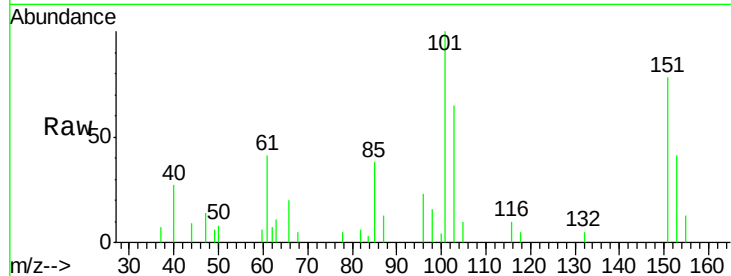
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	15218
Ion Ratio	Lower	Upper	
101	100		
85	43.8	36.2	54.2
151	81.4	65.6	98.4

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#10

Methyl Iodide

Concen: 7.768 ug/l

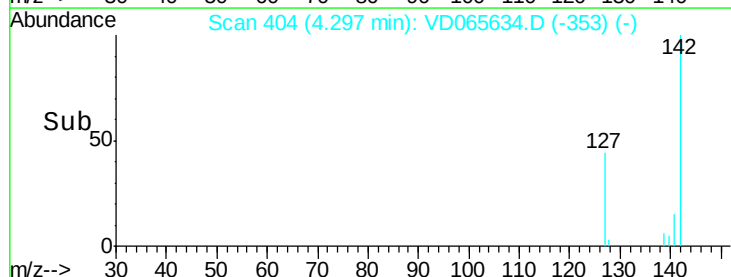
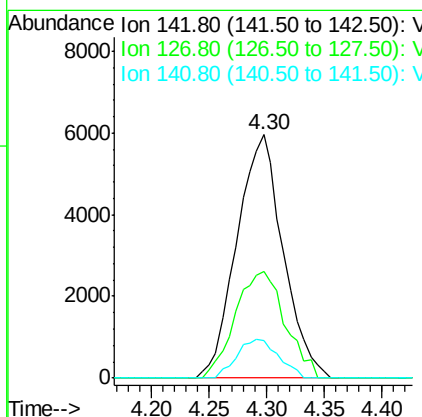
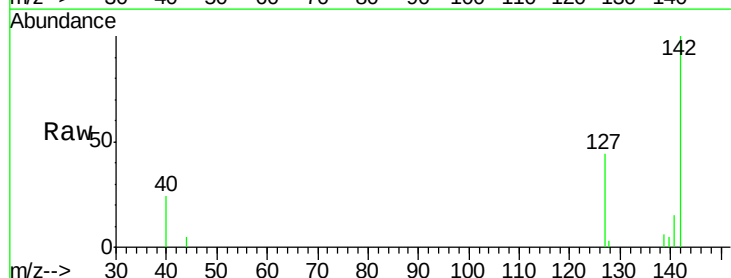
RT: 4.30 min Scan# 404

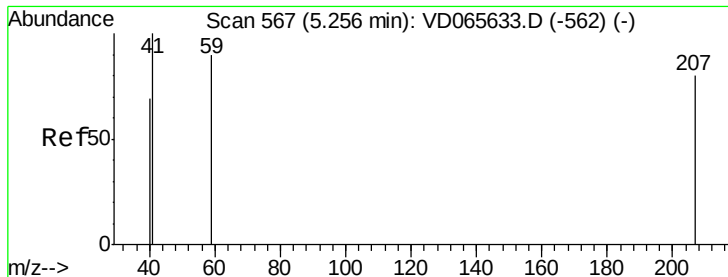
Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Tgt Ion:	142	Resp:	16569
Ion Ratio	Lower	Upper	
142	100		
127	47.2	38.1	57.1
141	14.3	12.1	18.1





#11

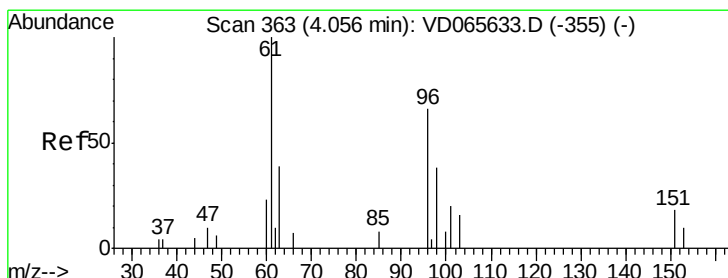
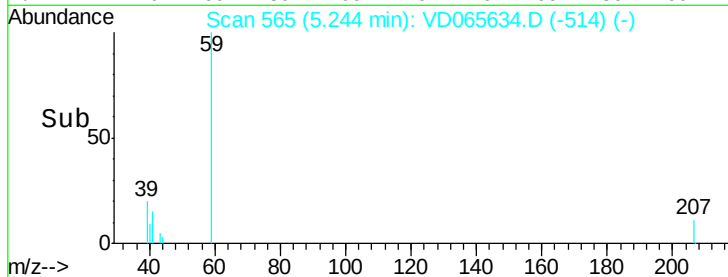
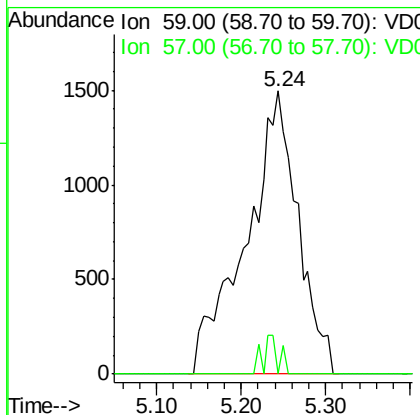
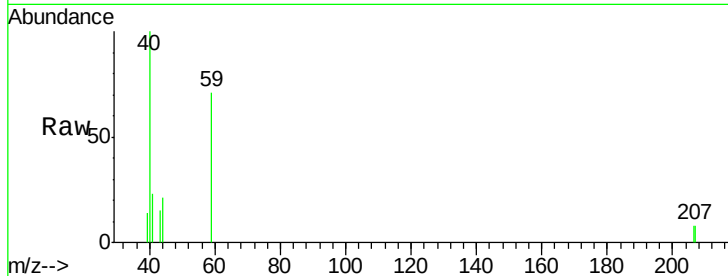
Tert butyl alcohol
Concen: 62.304 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 6389
Ion Ratio Lower Upper
59 100
57 4.0 7.4 11.2#

Manual Integrations
APPROVED

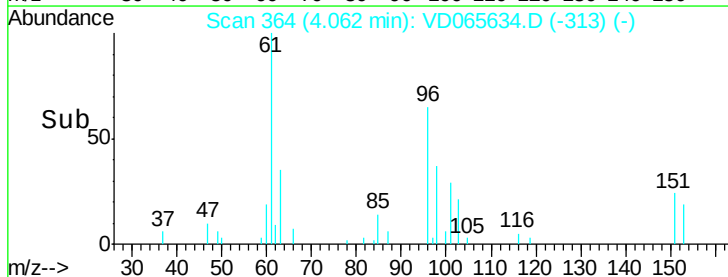
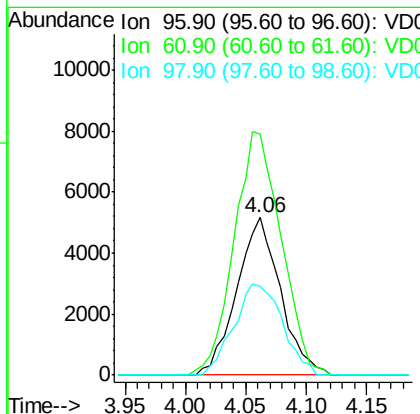
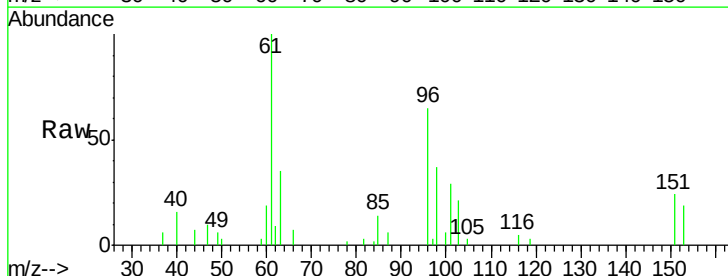
MMDadoda
4/16/2020 3:13:32 PM

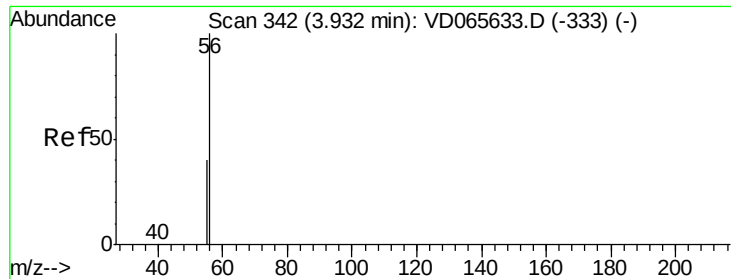


#12

1,1-Dichloroethene
Concen: 6.517 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion: 96 Resp: 13014
Ion Ratio Lower Upper
96 100
61 152.9 136.2 204.2
98 56.5 52.2 78.2





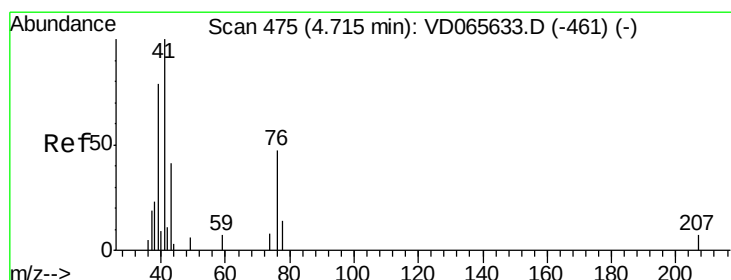
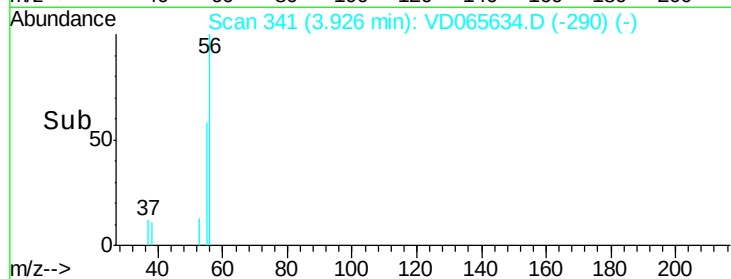
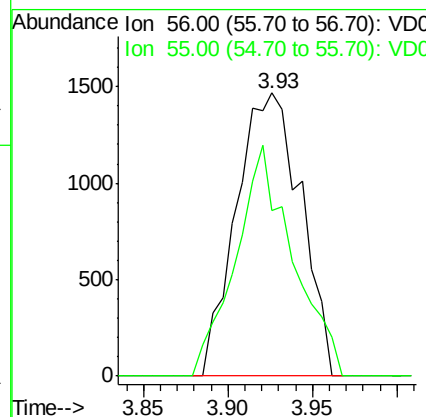
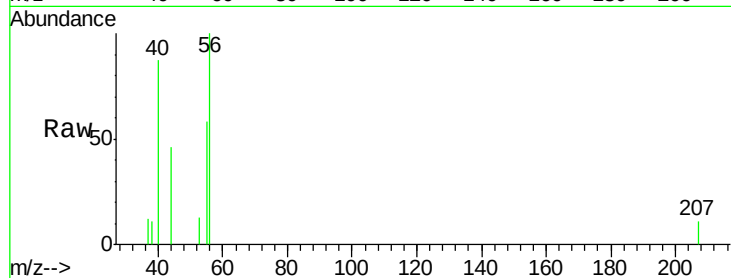
#13
Acrolein
Concen: 27.344 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 56 Resp: 3902
Ion Ratio Lower Upper
56 100
55 72.0 58.2 87.2

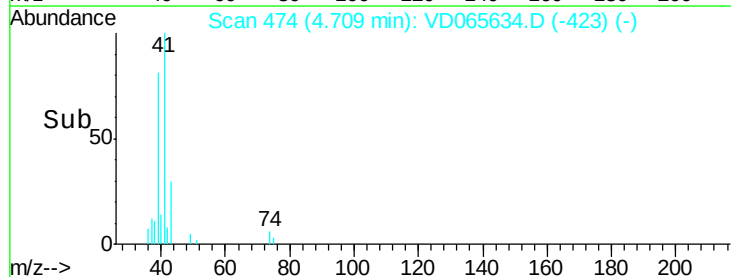
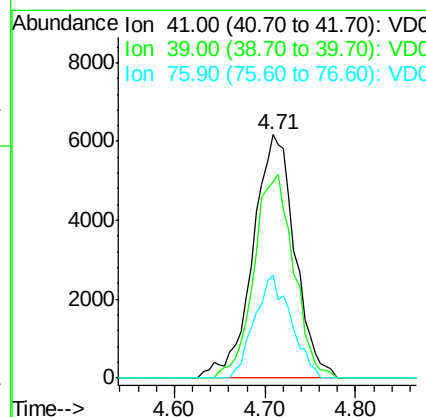
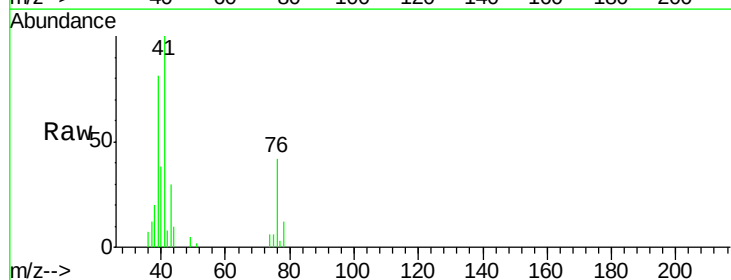
Manual Integrations
APPROVED

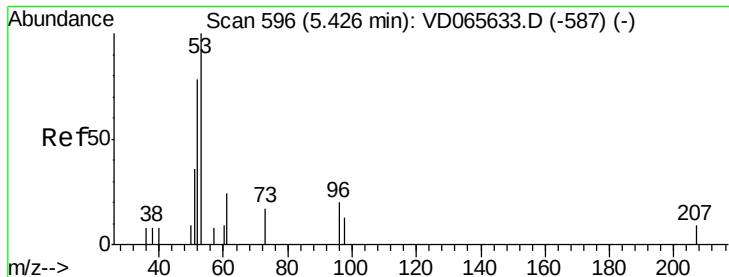
MMDadoda
4/16/2020 3:13:32 PM



#14
Allyl chloride
Concen: 6.684 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion: 41 Resp: 19817
Ion Ratio Lower Upper
41 100
39 79.3 62.5 93.7
76 36.7 29.1 43.7





#15

Acrylonitrile

Concen: 48.894 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

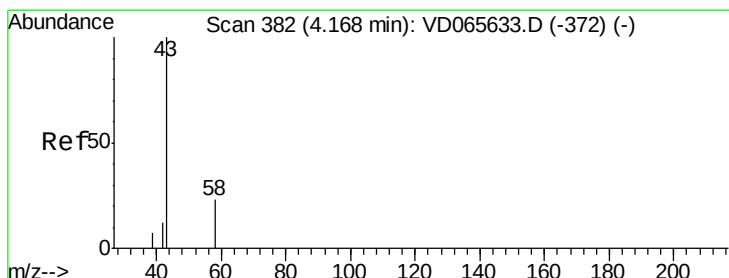
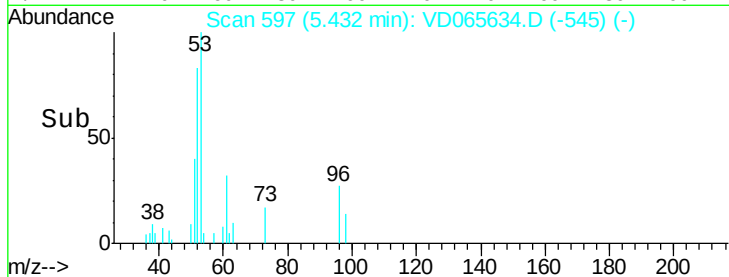
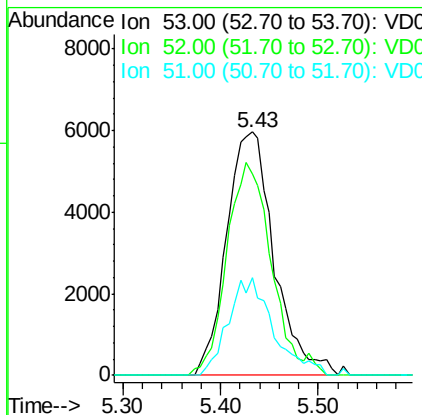
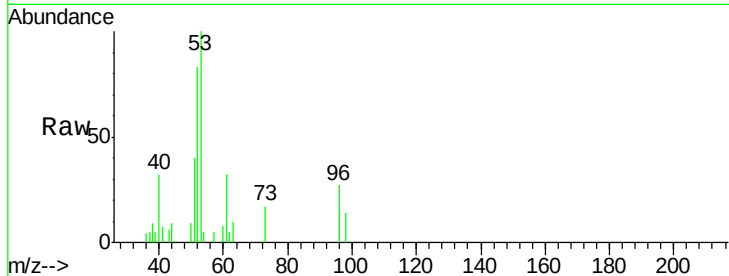
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	20282
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.8	98.6
51	37.9	30.9	46.3

Manual Integrations
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#16

Acetone

Concen: 36.689 ug/l

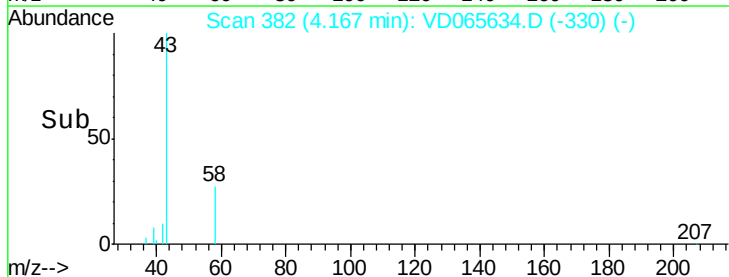
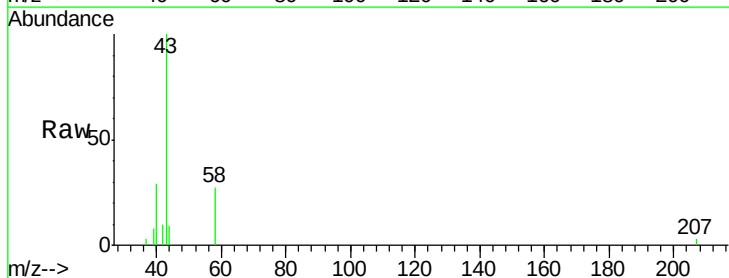
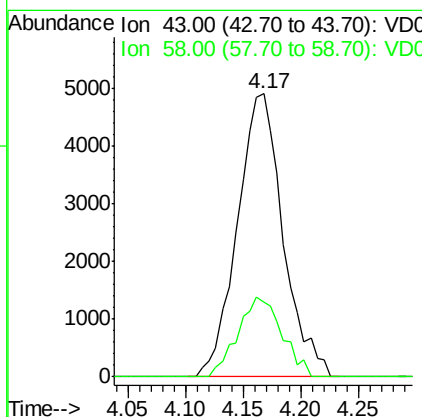
RT: 4.17 min Scan# 382

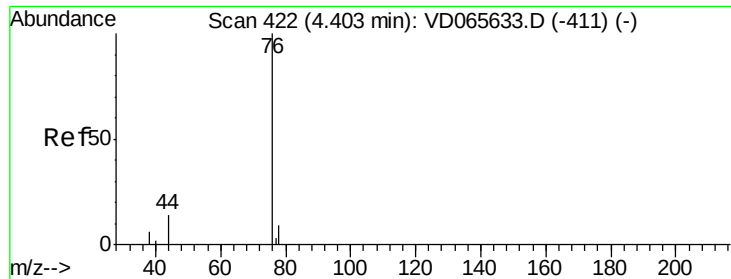
Delta R.T. 0.01 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Tgt Ion:	43	Resp:	13549
Ion Ratio	Lower	Upper	
43	100		
58	26.6	22.9	34.3





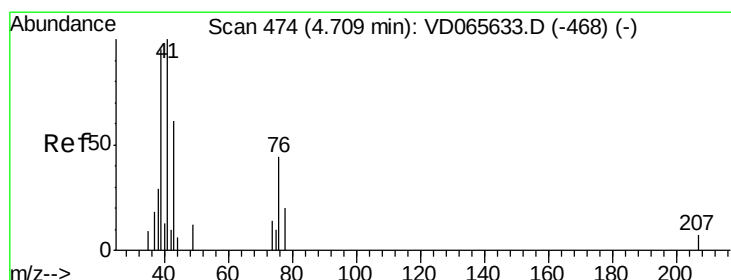
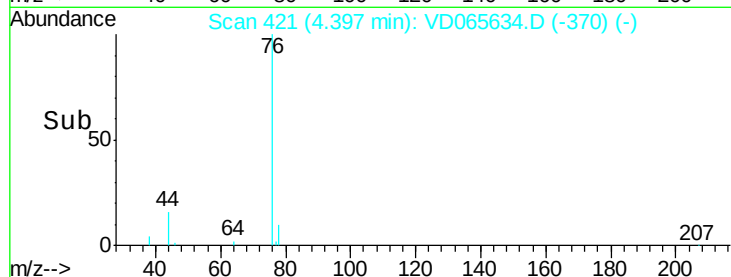
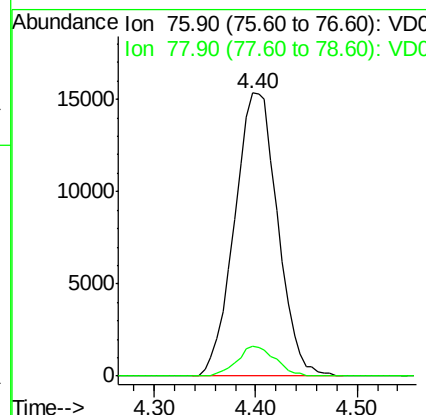
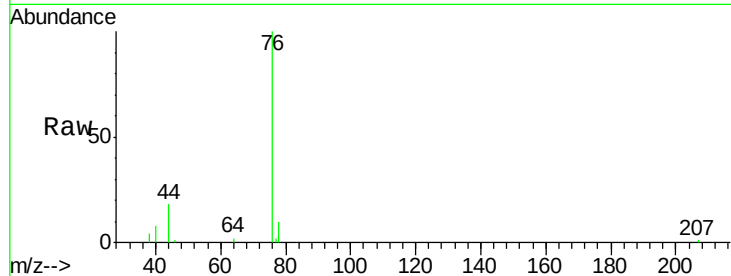
#17
Carbon Disulfide
Concen: 6.807 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.3	10.9

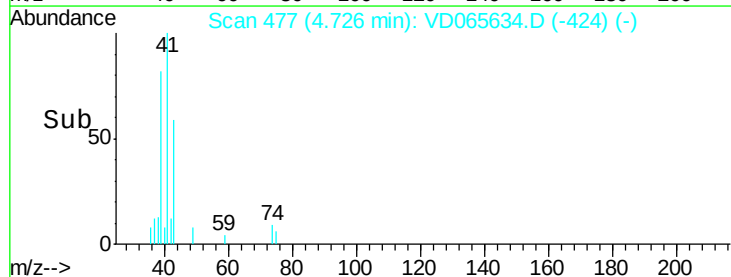
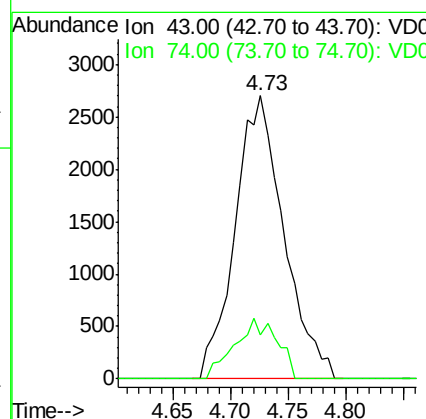
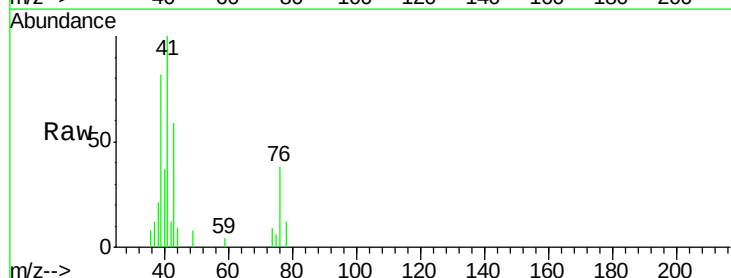
Manual Integrations
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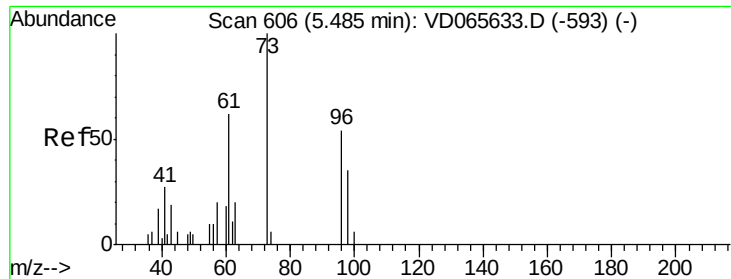
MMDadoda
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#18
Methyl Acetate
Concen: 7.387 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.6	18.6	28.0#





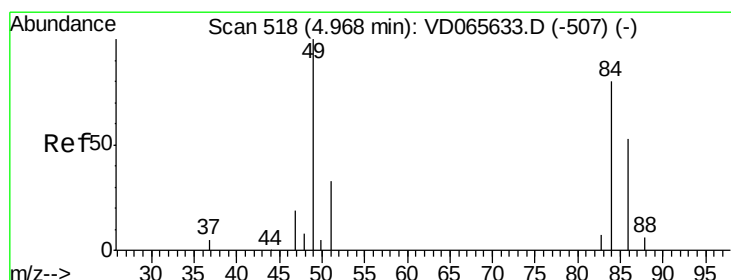
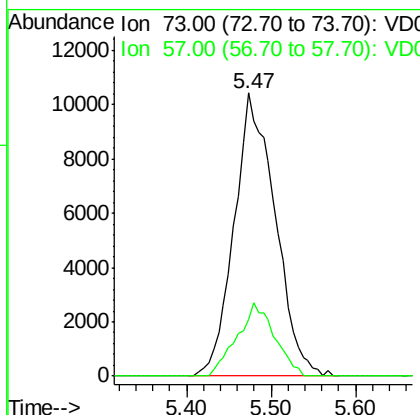
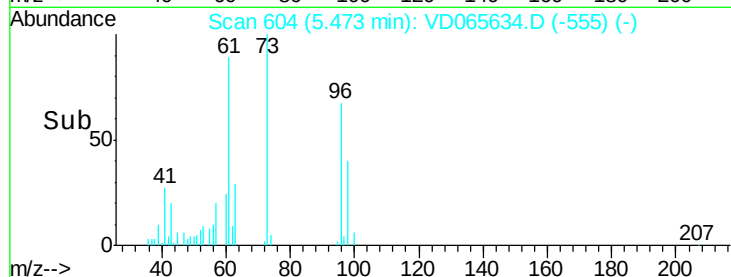
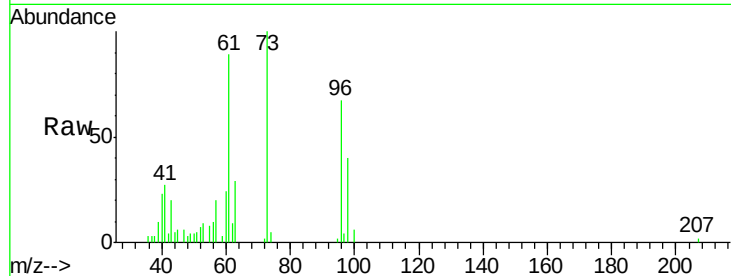
#19
Methyl tert-butyl Ether
Concen: 8.926 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 35102
Ion Ratio Lower Upper
73 100
57 20.1 17.8 26.8

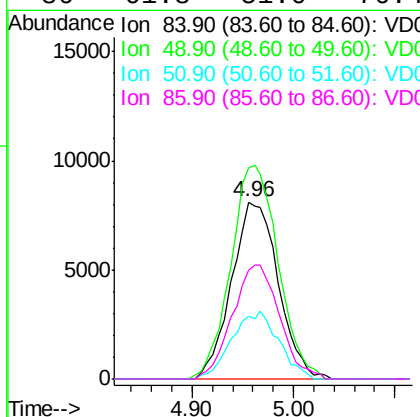
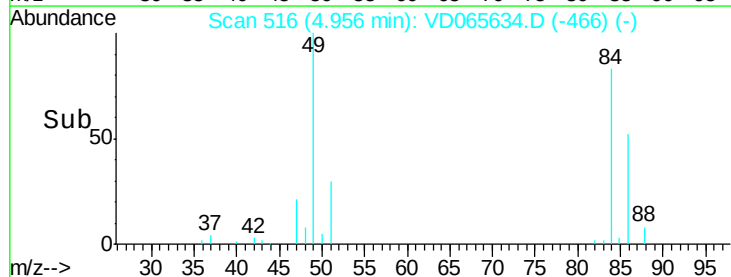
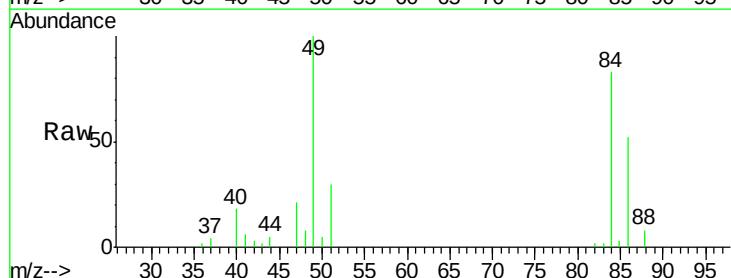
Manual Integrations
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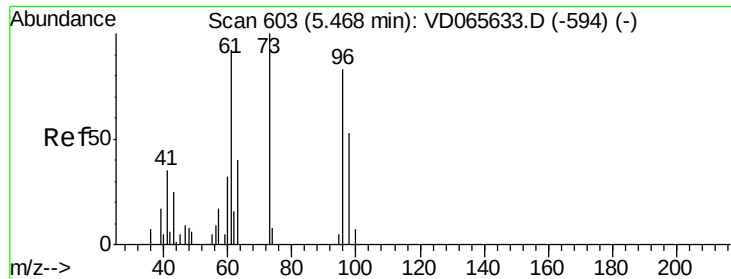
MMDadoda
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#20
Methylene Chloride
Concen: 10.834 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion: 84 Resp: 25939
Ion Ratio Lower Upper
84 100
49 119.8 102.0 153.0
51 35.5 30.8 46.2
86 61.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 9.801 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 22246

Ion Ratio Lower Upper

96 100

61 131.8 102.6 153.8

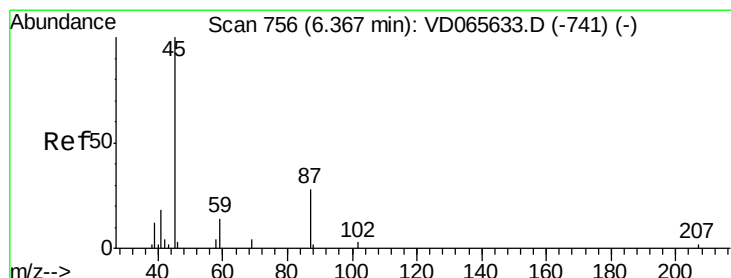
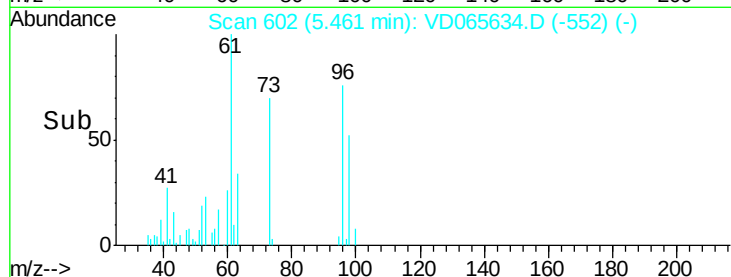
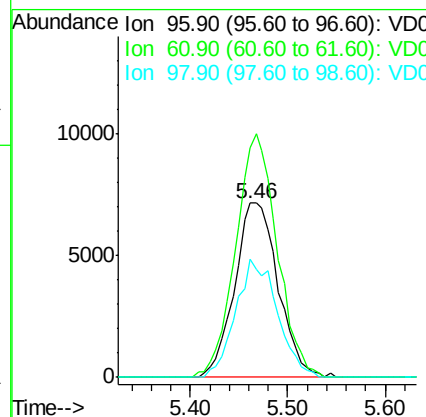
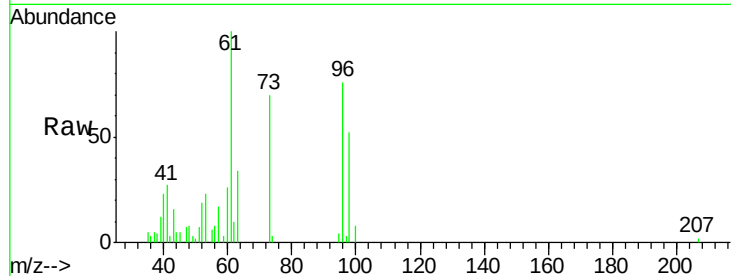
98 68.1 49.4 74.0

Manual Integrations

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4/16/2020 3:13:32 PM



#22

Diisopropyl ether

Concen: 9.321 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Tgt Ion: 45 Resp: 57572

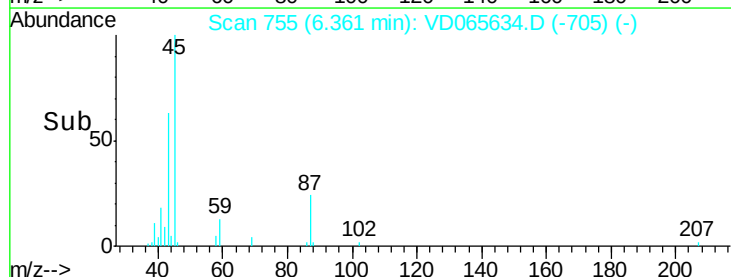
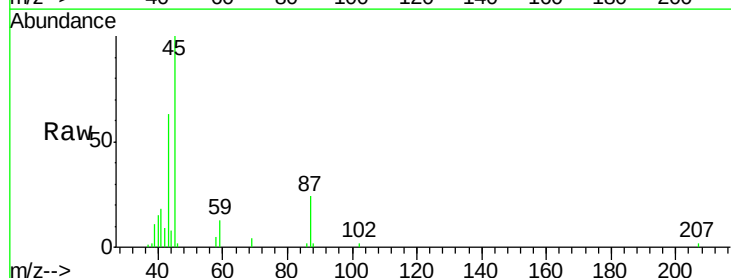
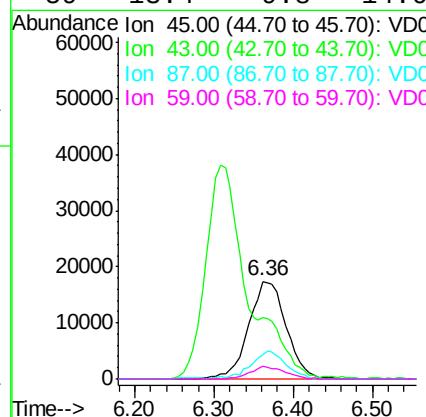
Ion Ratio Lower Upper

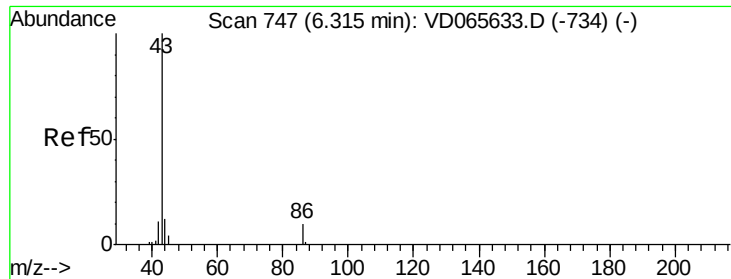
45 100

43 60.7 42.2 63.2

87 24.4 22.1 33.1

59 13.4 9.8 14.6





#23

Vinyl Acetate

Concen: 42.759 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Tot Ion: 43 Resp: 140863

Ion Ratio Lower Upper

43 100

86 10.9 8.7 13.1

Instrument :

MSVOA_D

ClientSampleId :

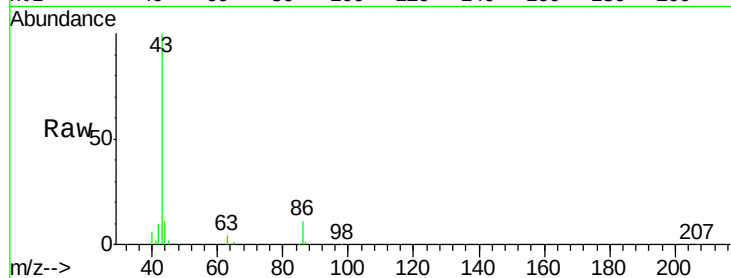
VSTDIC010

Manual Integrations

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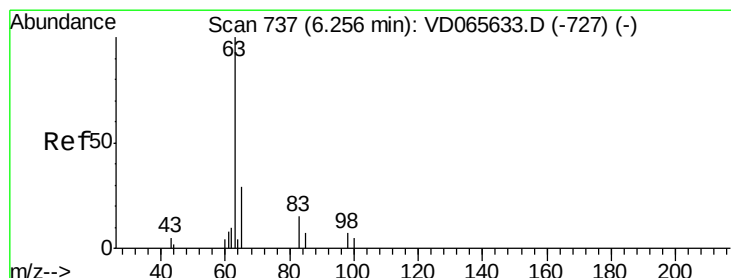
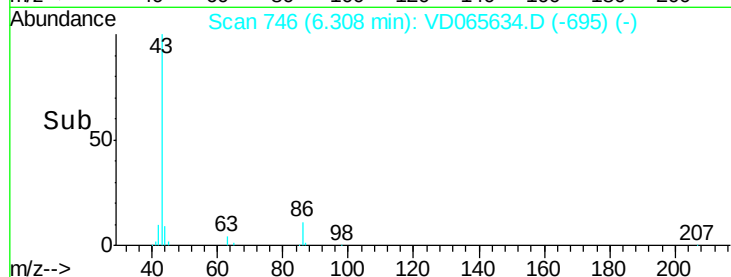
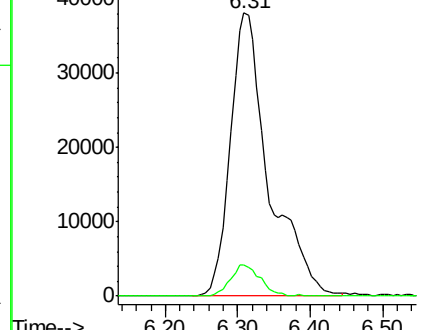
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 9.620 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

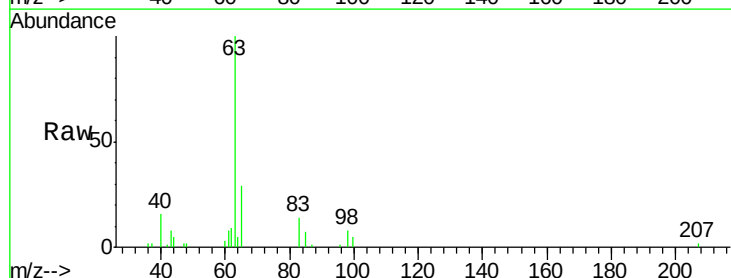
Tgt Ion: 63 Resp: 39070

Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.8

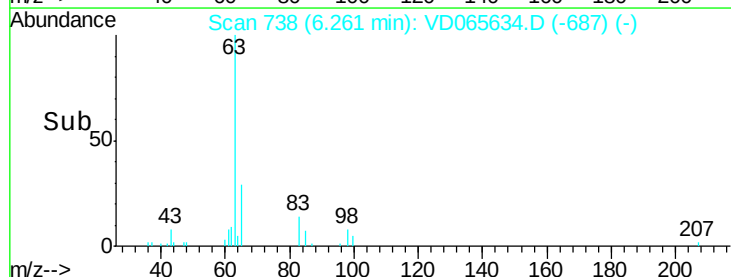
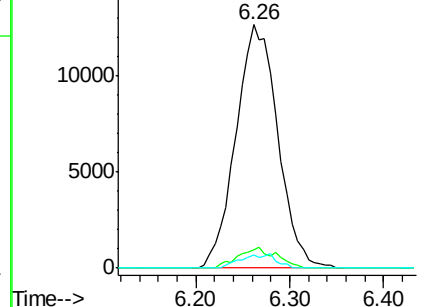
100 5.5 2.4 7.2

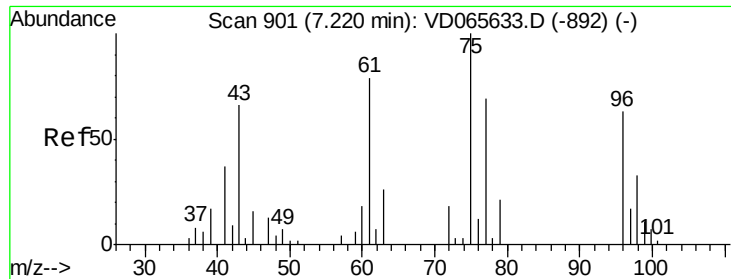


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 46.468 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 25034

Ion Ratio Lower Upper

43 100

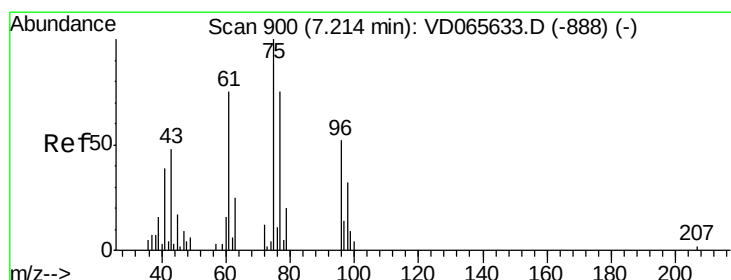
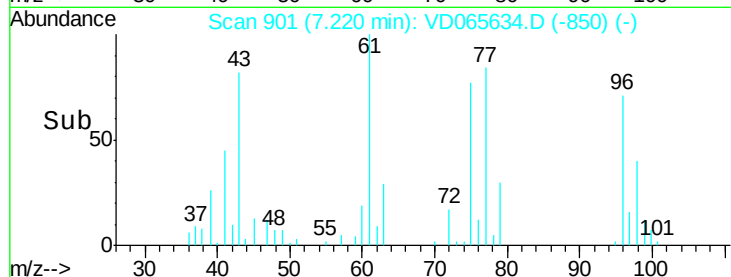
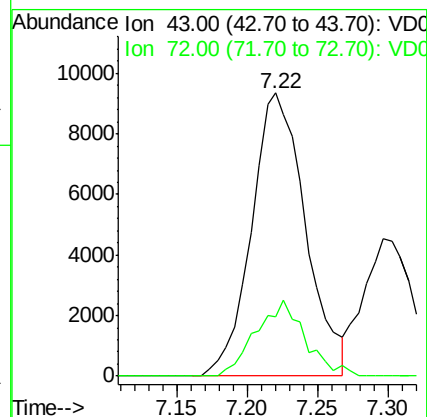
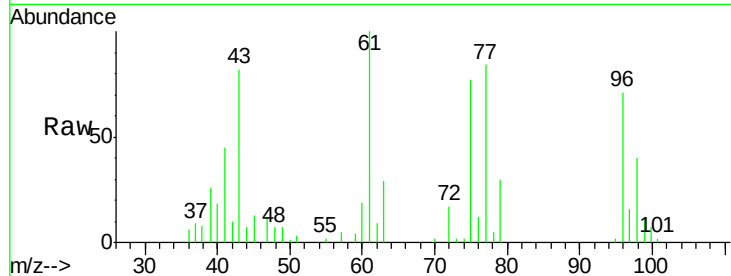
72 20.9 20.5 30.7

Manual Integrations

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4/16/2020 3:13:32 PM



#26

2,2-Dichloropropane

Concen: 9.339 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065634.D

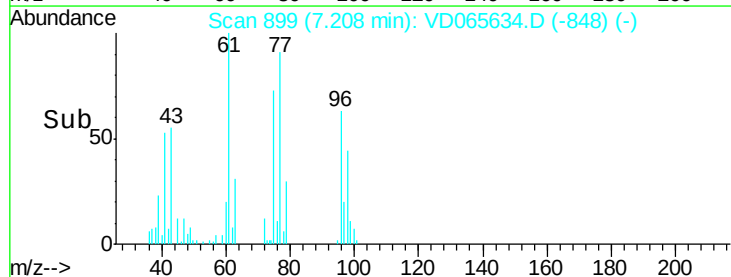
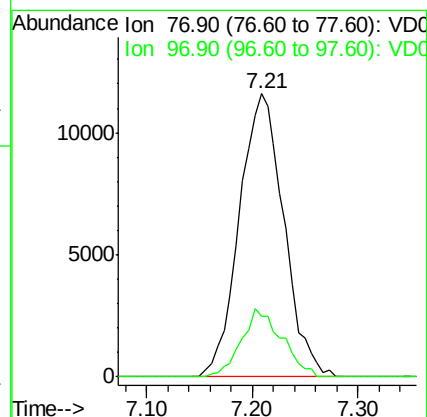
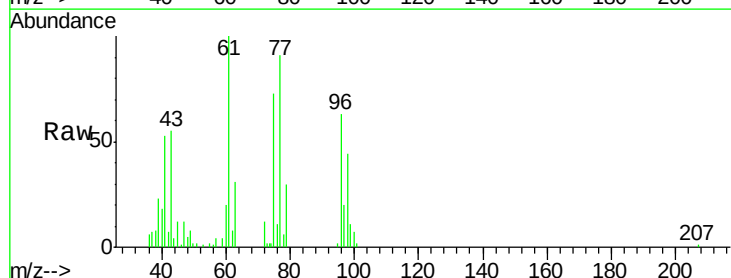
Acq: 15 Apr 2020 14:37

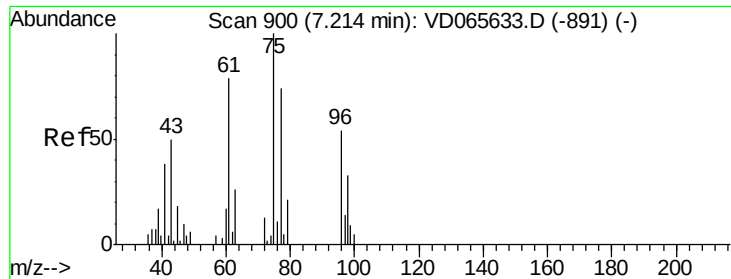
Tgt Ion: 77 Resp: 33785

Ion Ratio Lower Upper

77 100

97 21.8 11.5 34.5





#27

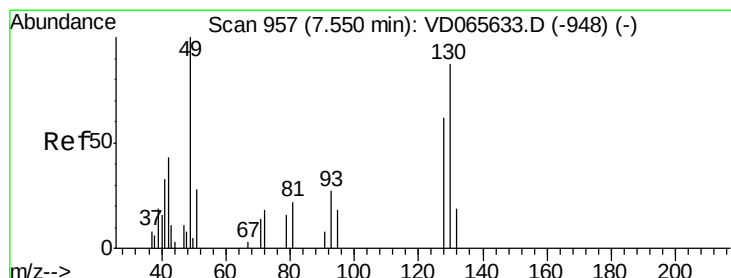
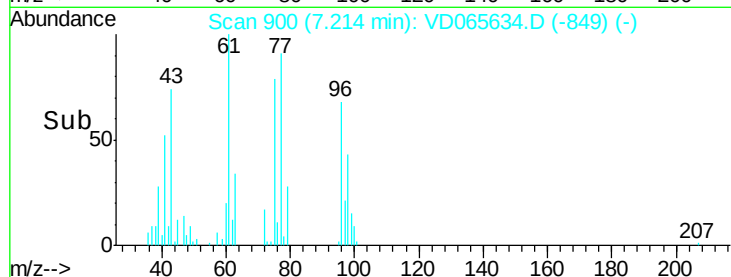
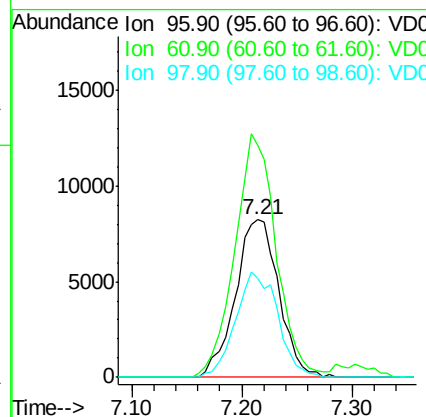
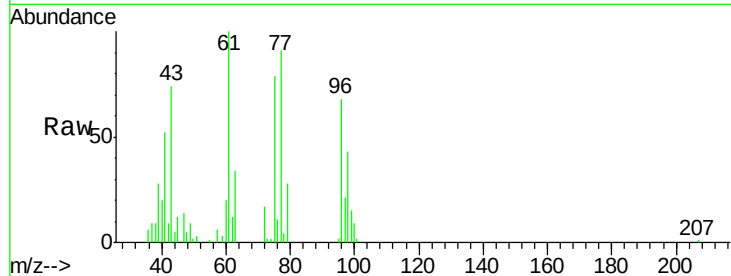
cis-1,2-Dichloroethene
Concen: 9.154 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	286.2
98	64.8	0.0	128.0

Manual Integrations
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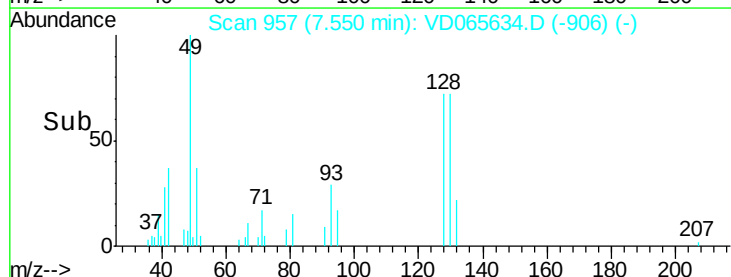
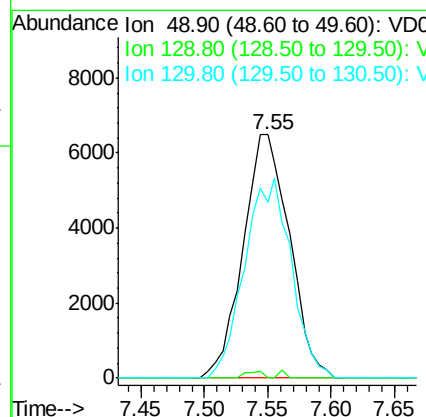
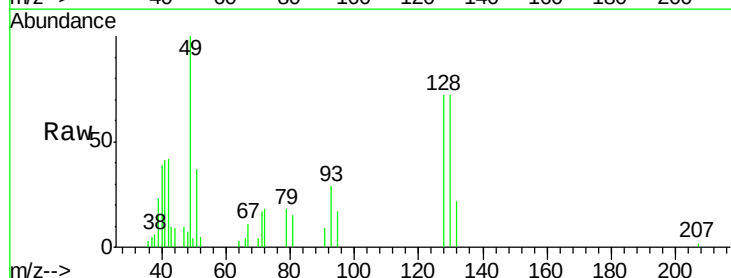
MMDadoda
4/16/2020 3:13:32 PM

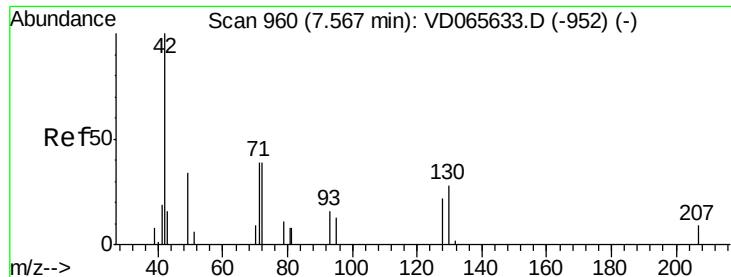


#28

Bromochloromethane
Concen: 9.983 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.2
130	82.5	66.2	99.2





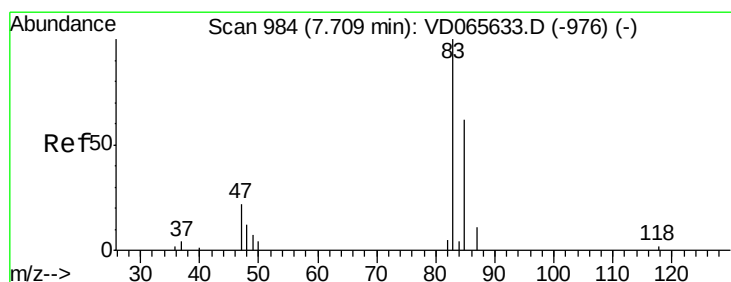
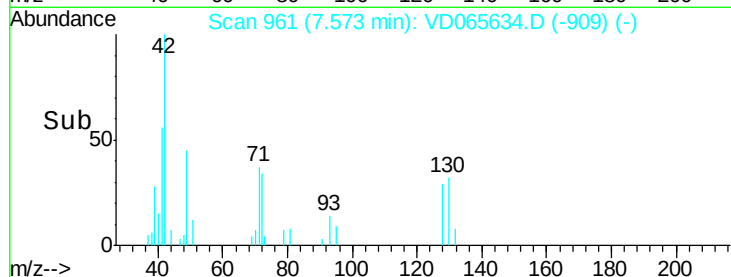
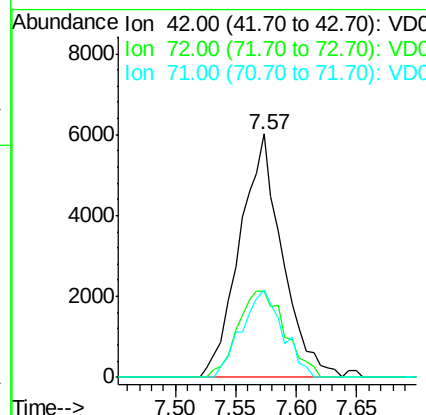
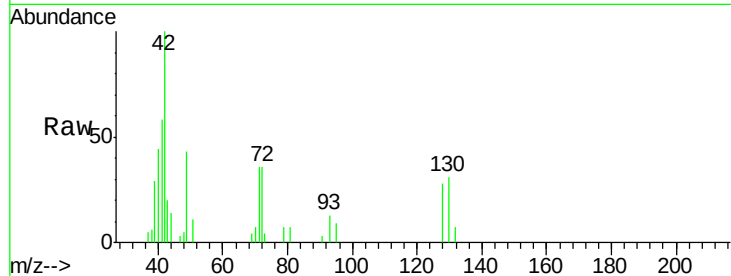
#29
Tetrahydrofuran
Concen: 43.319 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	34.4	51.6
71	34.7	31.4	47.0

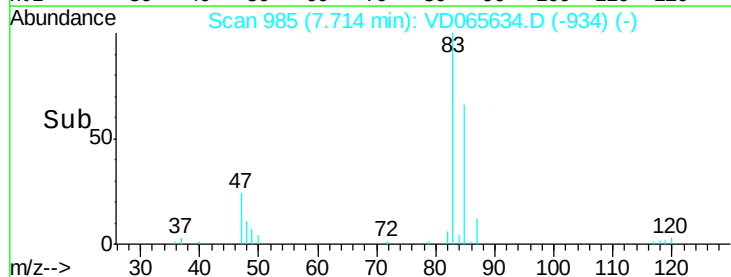
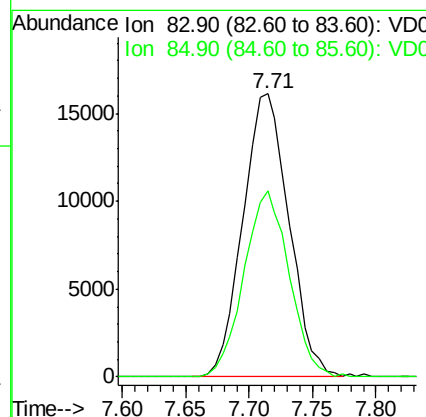
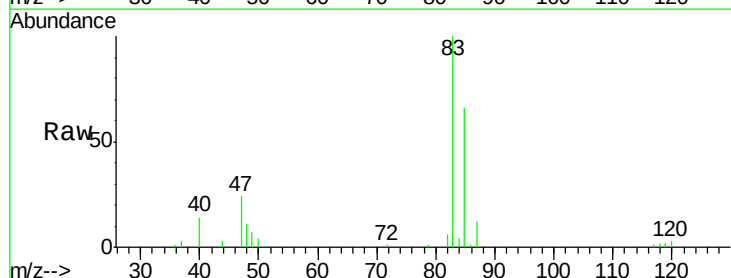
Manual Integrations
APPROVED

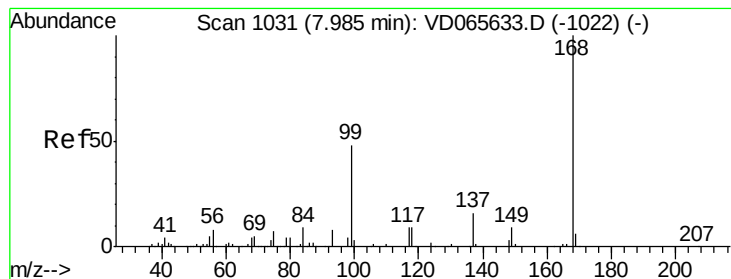
MMDadoda
4/16/2020 3:13:32 PM



#30
Chloroform
Concen: 9.569 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.6	78.8





#31

Cyclohexane

Concen: 9.652 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

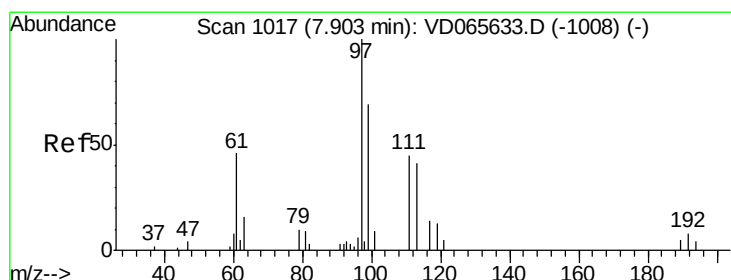
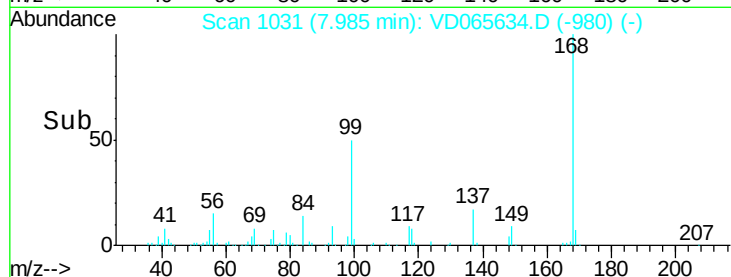
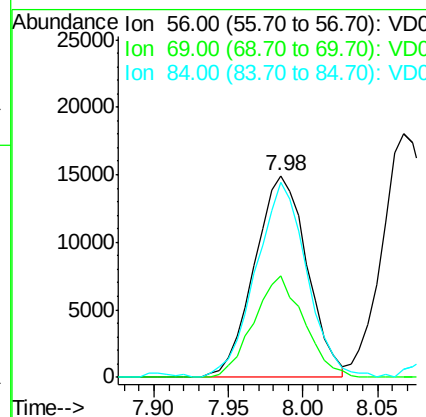
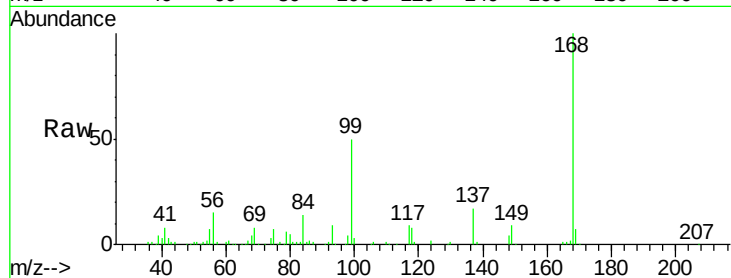
ClientSampleID :

VSTDIC010

Tot Ion:	56	Resp:	36594
Ion	Ratio	Lower	Upper
56	100		
69	50.6	26.6	40.0#
84	96.4	75.3	112.9

Manual Integrations
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4/16/2020 3:13:32 PM



#32

1,1,1-Trichloroethane

Concen: 9.579 ug/l

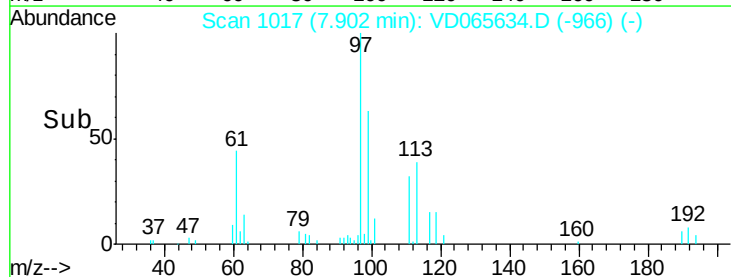
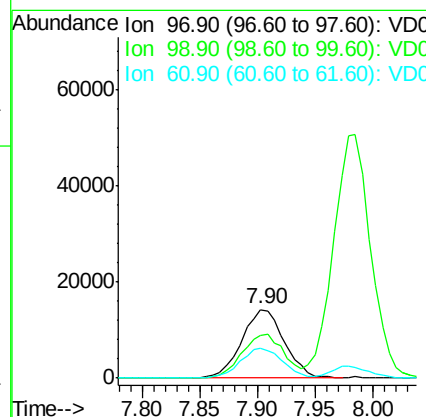
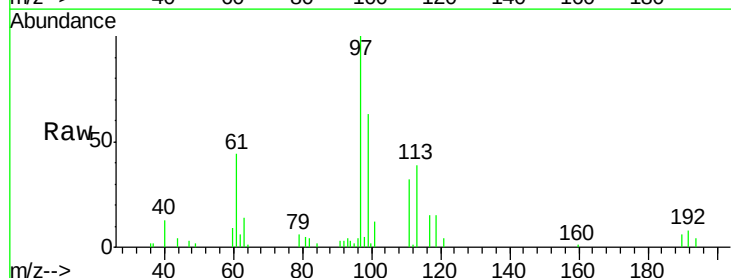
RT: 7.90 min Scan# 1017

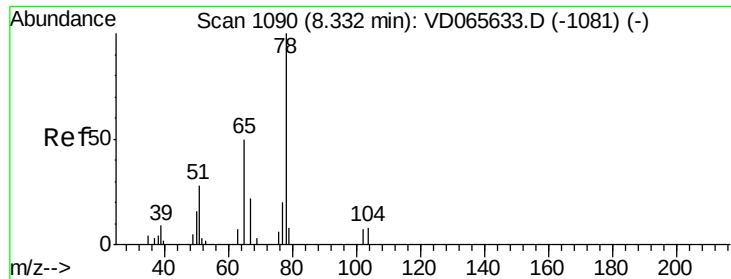
Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Tgt Ion:	97	Resp:	36573
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	44.0	34.8	52.2





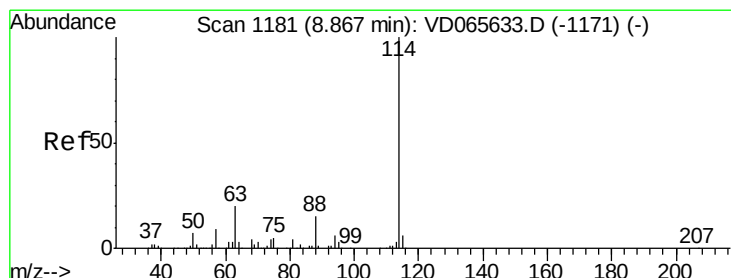
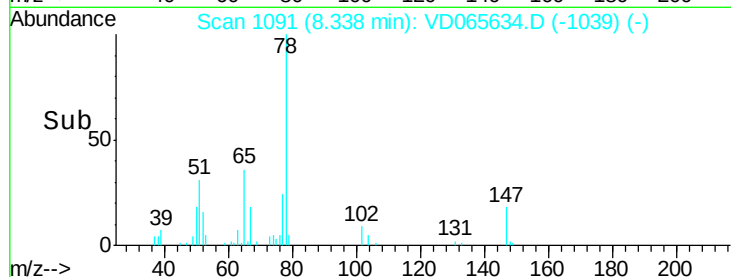
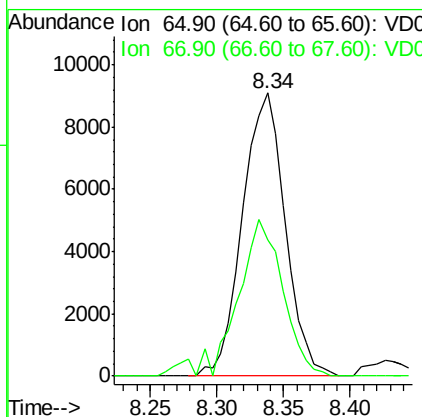
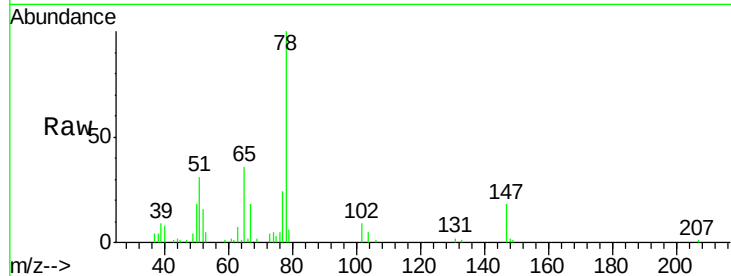
#33
 1,2-Dichloroethane-d4
 Concen: 9.458 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	20149		
67	57.1	0.0	105.8	

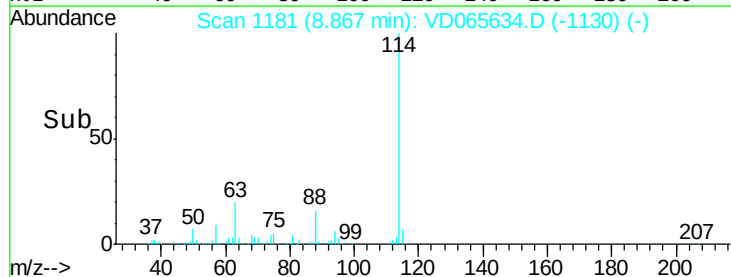
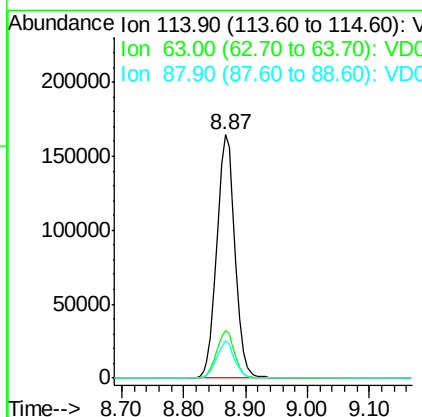
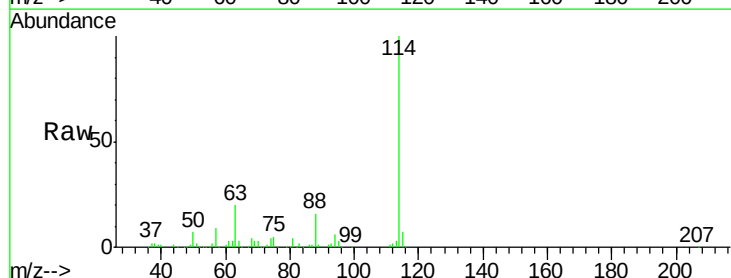
Manual Integrations
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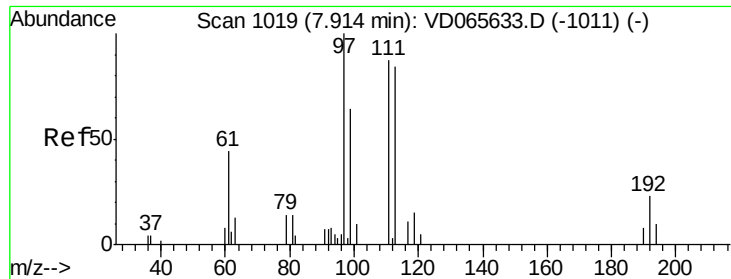
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	335123		
63	19.8	0.0	40.8	
88	15.5	0.0	31.6	





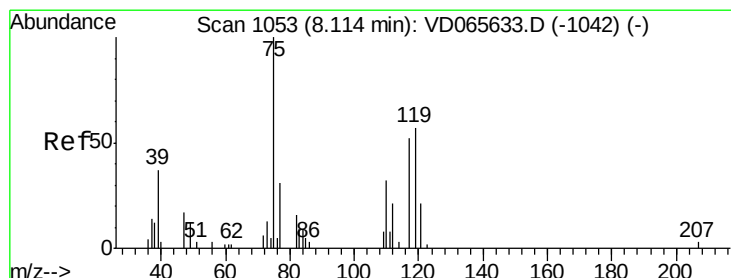
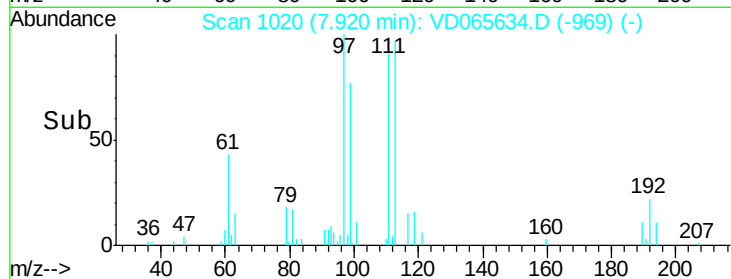
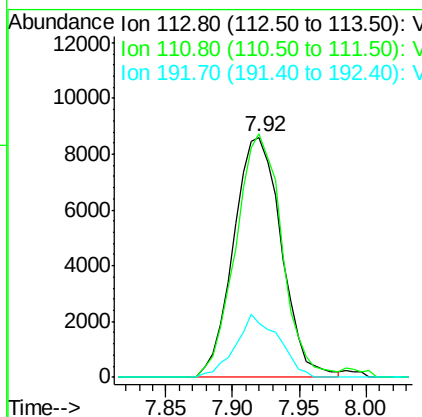
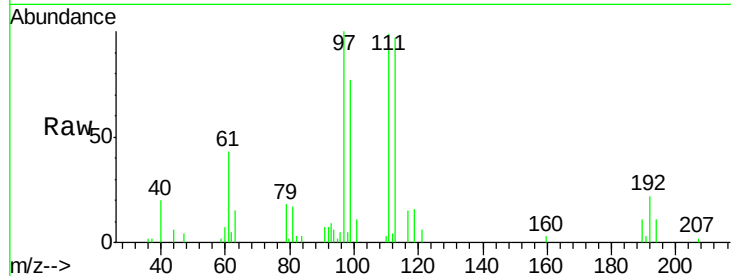
#35
 Dibromofluoromethane
 Concen: 9.318 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.8	81.9	122.9
192	23.6	18.9	28.3

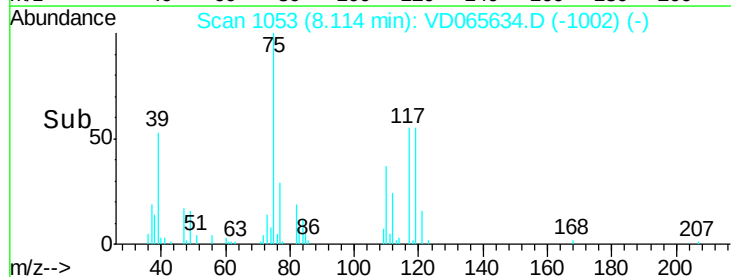
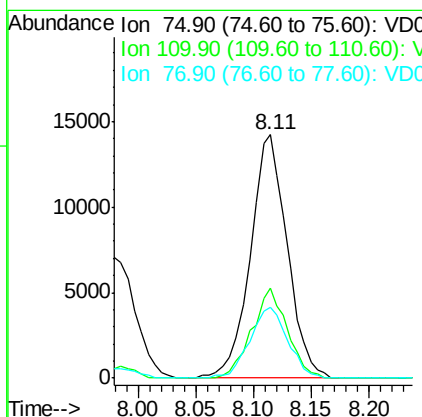
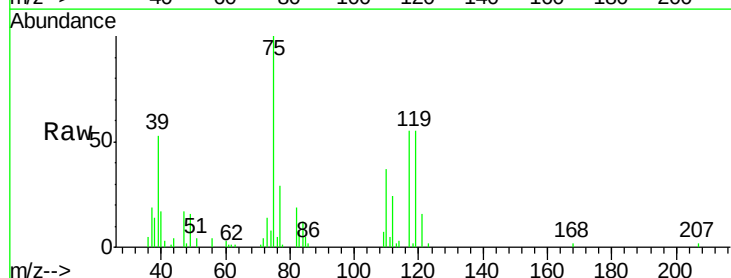
Manual Integrations
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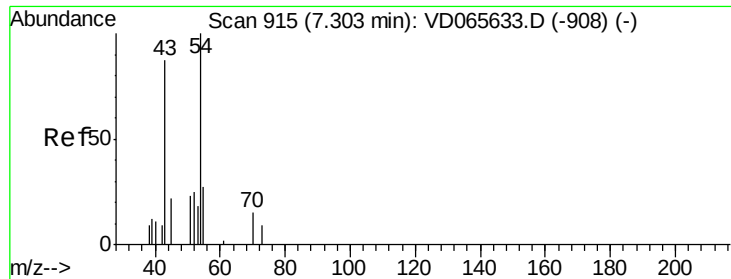
MMDadoda
 4/16/2020 3:13:32 PM



#36
 1,1-Dichloropropene
 Concen: 9.274 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.3	54.8
77	30.1	24.6	37.0





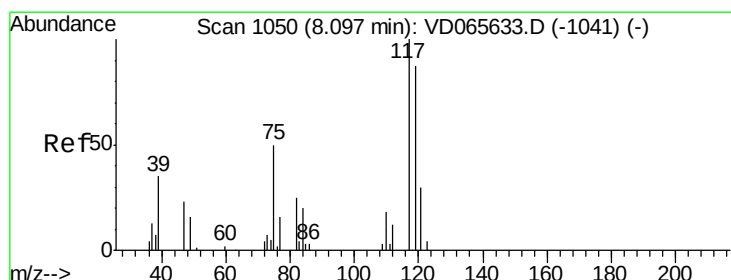
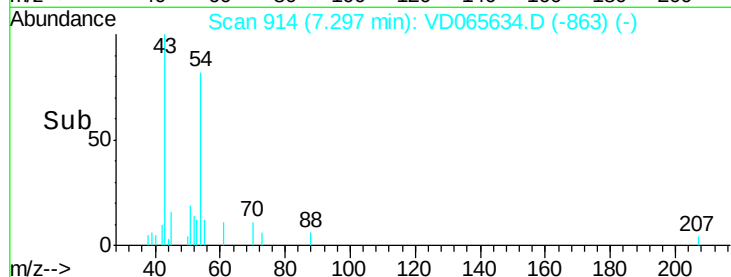
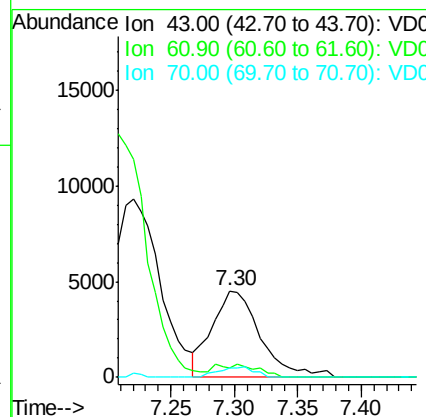
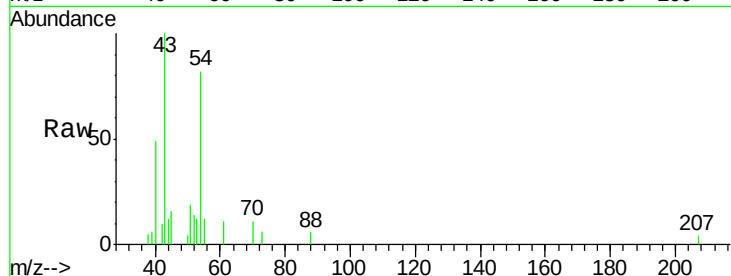
#37
Ethyl Acetate
Concen: 9.127 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	8.5	7.9	11.9

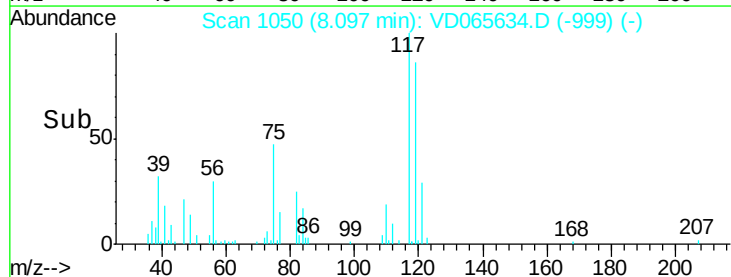
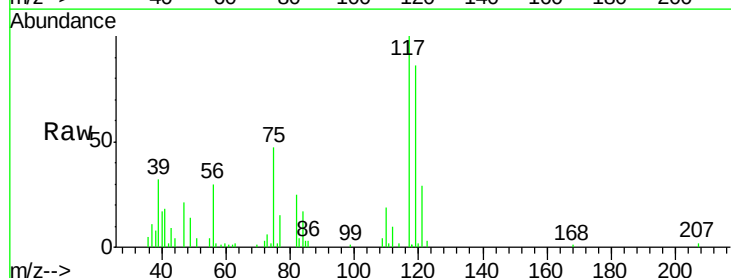
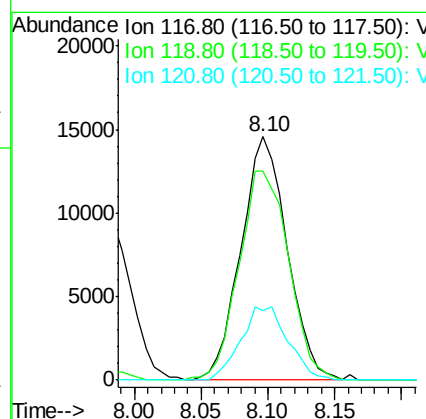
Manual Integrations
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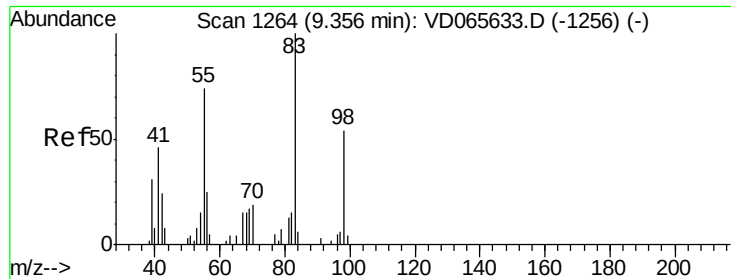
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#38
Carbon Tetrachloride
Concen: 9.492 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.8	75.3	112.9
121	28.7	24.9	37.3





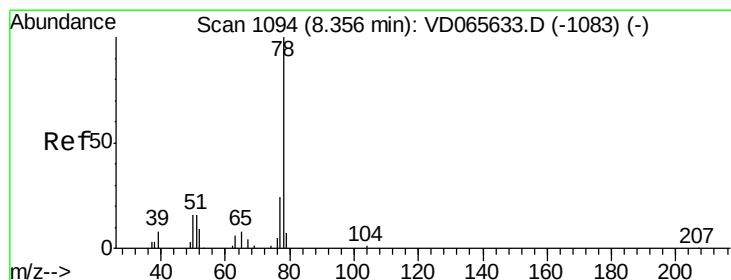
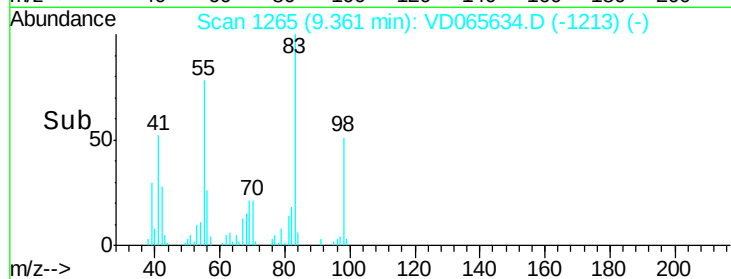
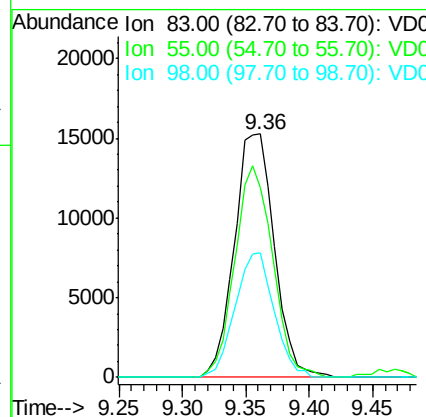
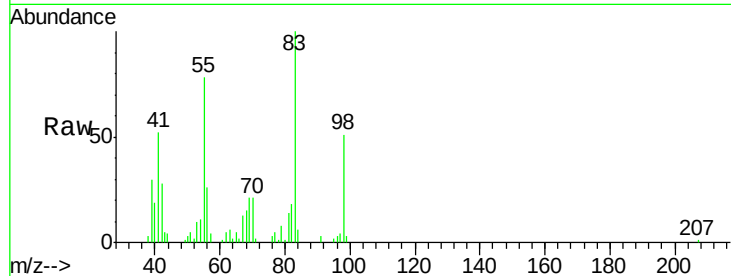
#39
Methylvlcyclohexane
Concen: 8.679 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.1	62.3	93.5	
98	51.1	40.5	60.7	

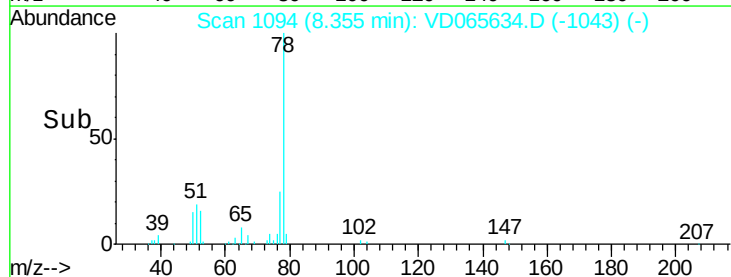
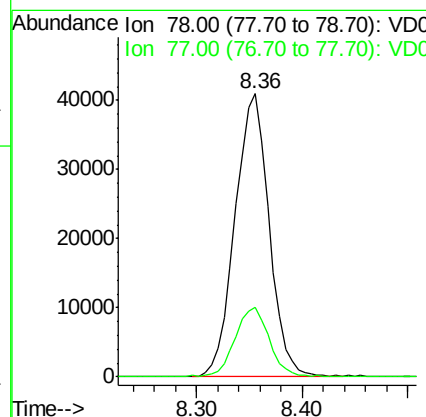
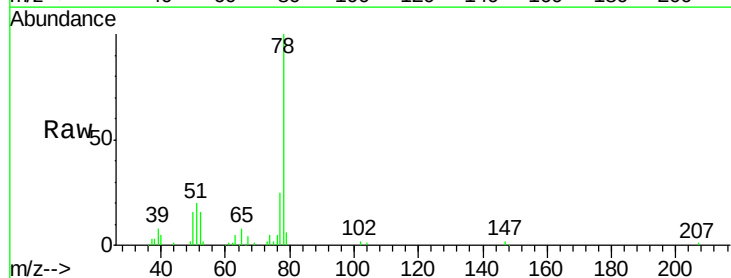
Manual Integrations
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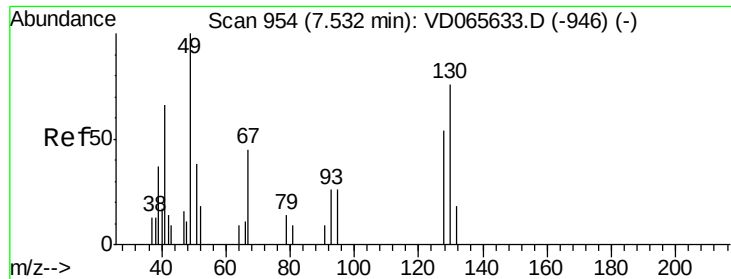
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#40
Benzene
Concen: 9.409 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.7	18.9	28.3	





#41

Methacrylonitrile

Concen: 8.266 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 6161

Ion Ratio Lower Upper

41 100

39 39.2 0.0 0.0#

67 69.6 0.0 0.0#

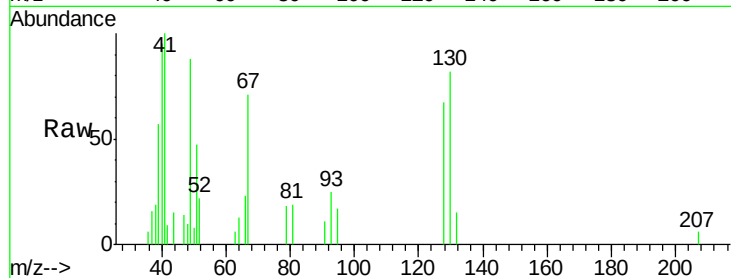
52 29.3 0.0 0.0#

Manual Integrations

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MMDadoda

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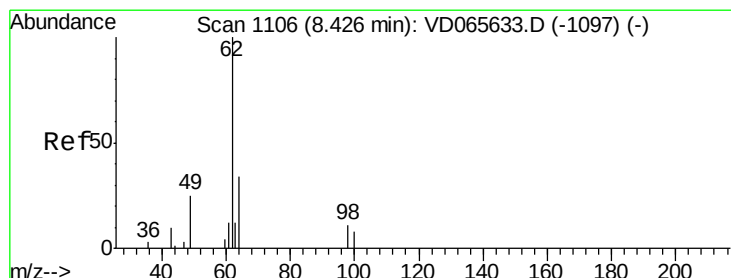
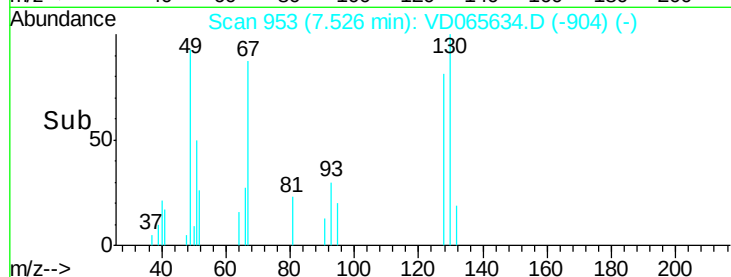
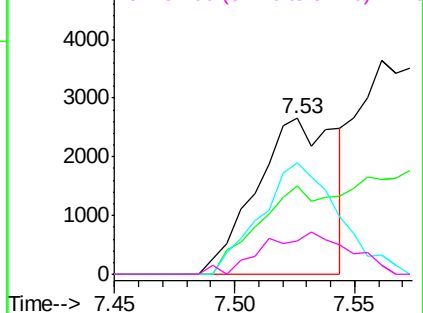


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 9.102 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065634.D

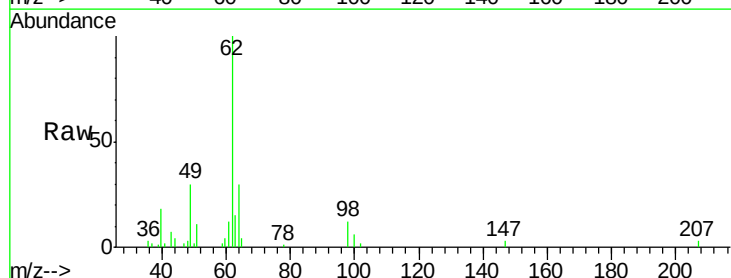
Acq: 15 Apr 2020 14:37

Tgt Ion: 62 Resp: 25052

Ion Ratio Lower Upper

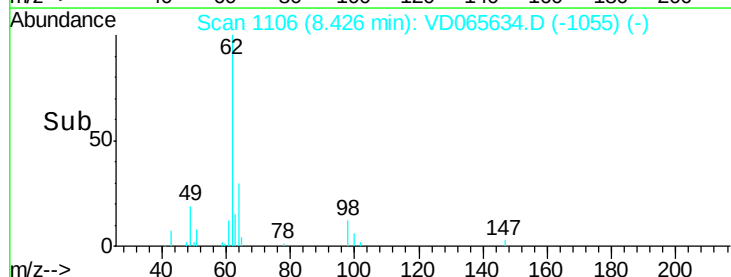
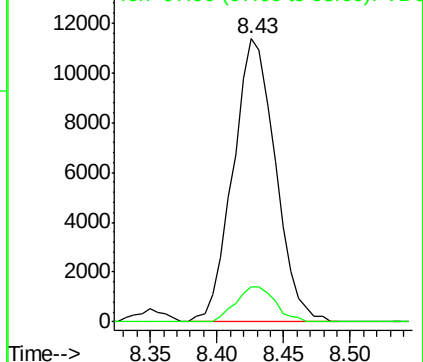
62 100

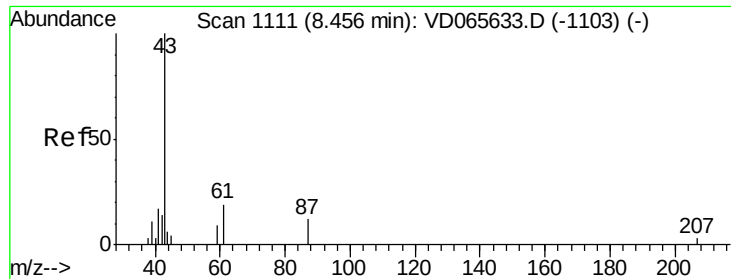
98 11.5 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 8.840 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

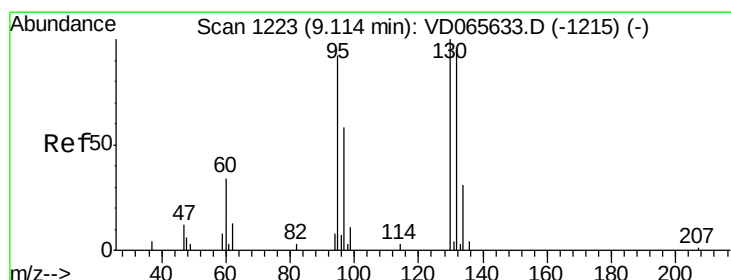
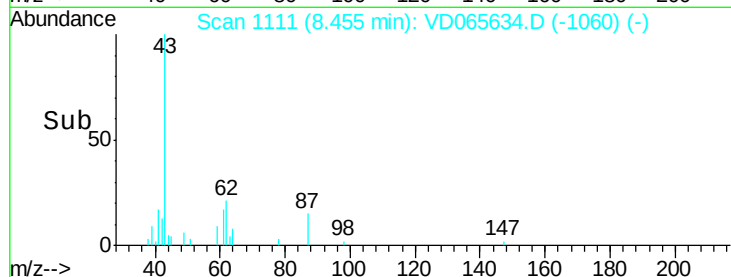
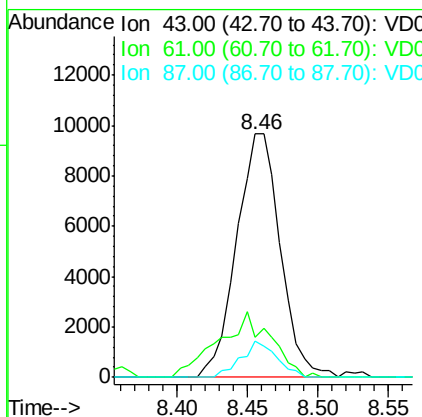
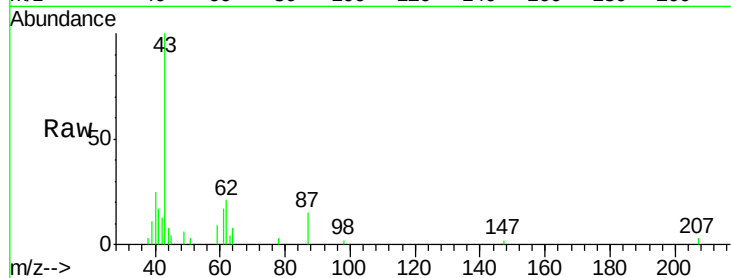
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	20944
Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.0	37.6
87	12.2	9.9	14.9

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 9.051 ug/l

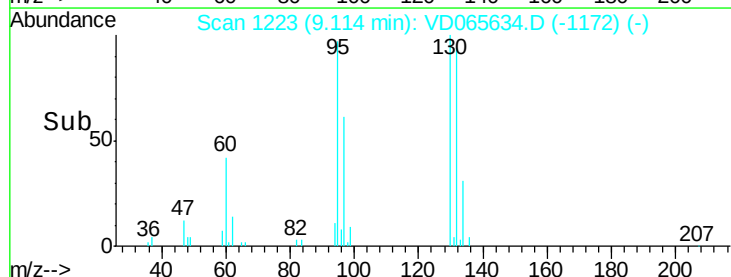
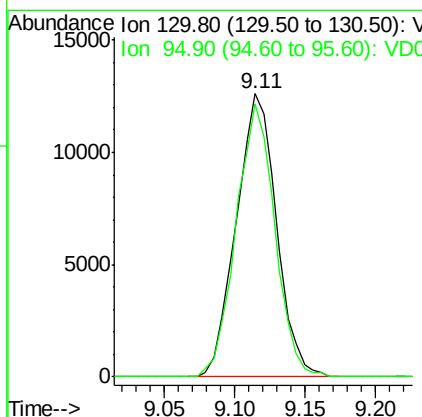
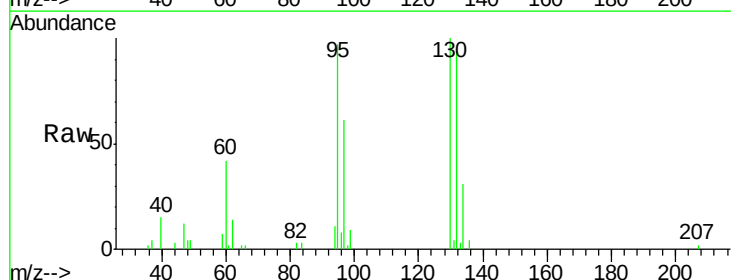
RT: 9.11 min Scan# 1223

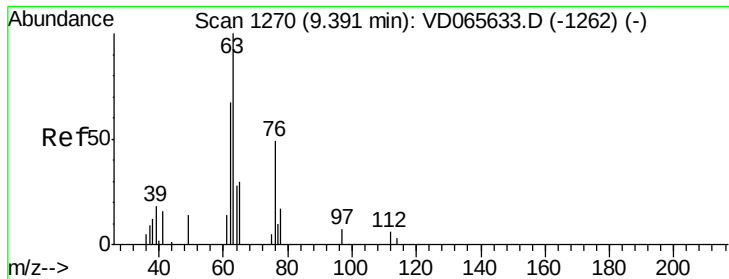
Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Tgt Ion:	130	Resp:	25163
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	178.4





#45

1,2-Dichloropropane

Concen: 9.154 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 21860

Ion Ratio Lower Upper

63 100

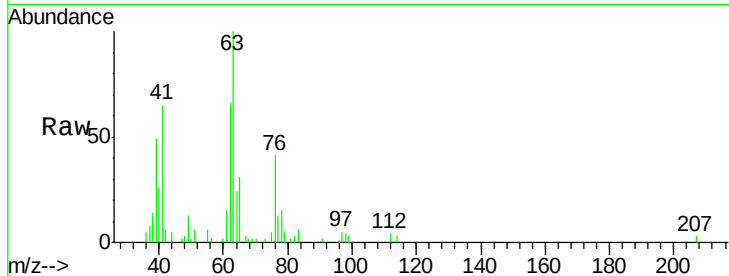
65 30.8 24.7 37.1

Manual Integrations

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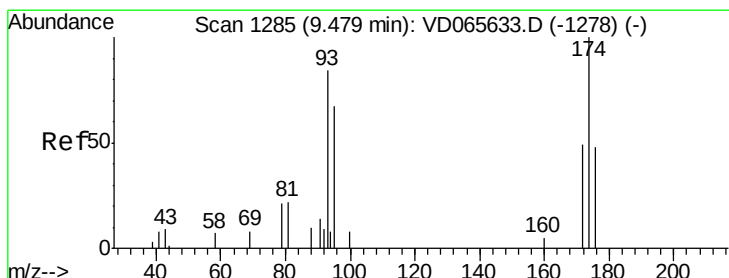
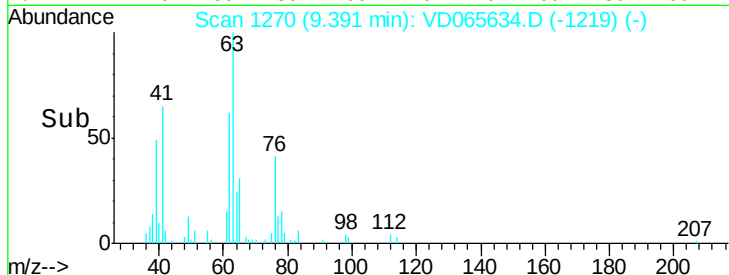
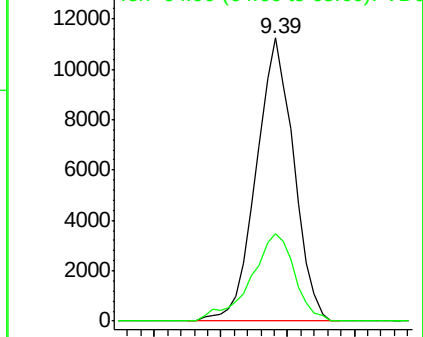
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 8.965 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

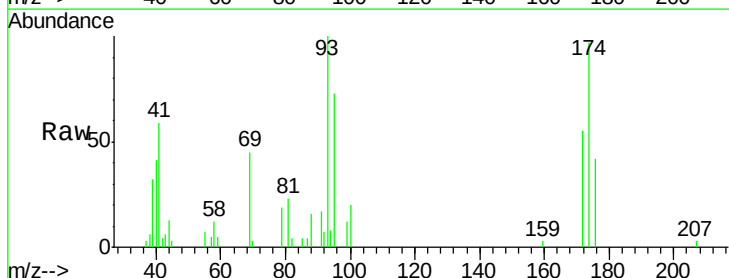
Tgt Ion: 93 Resp: 11539

Ion Ratio Lower Upper

93 100

95 82.7 67.4 101.2

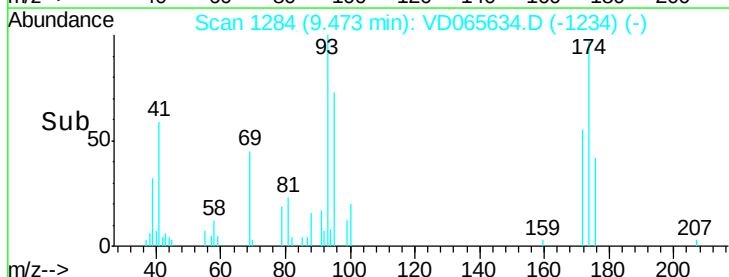
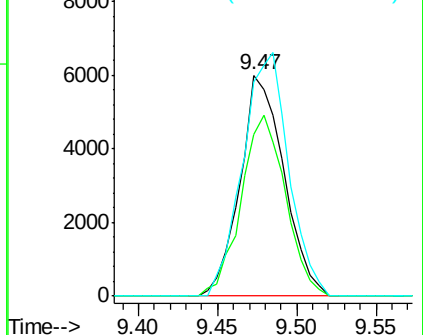
174 115.1 94.1 141.1

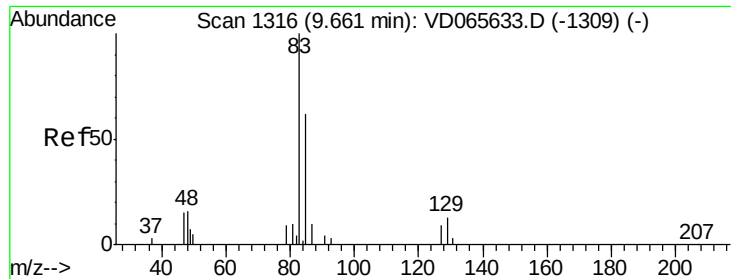


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





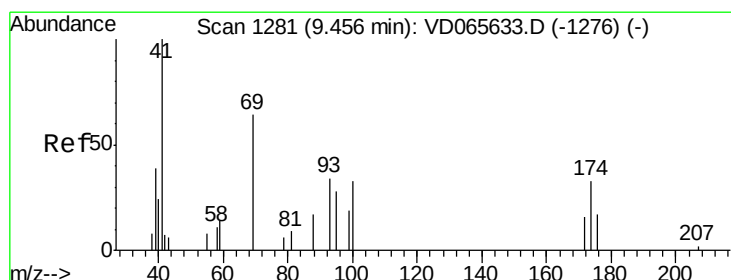
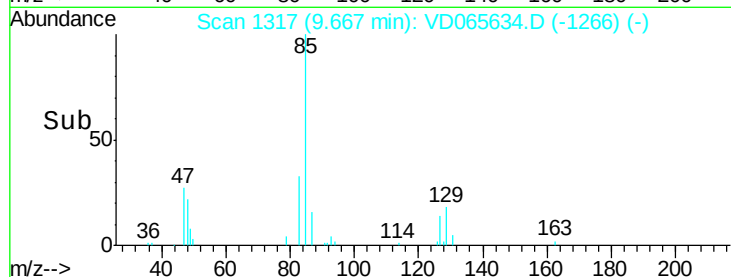
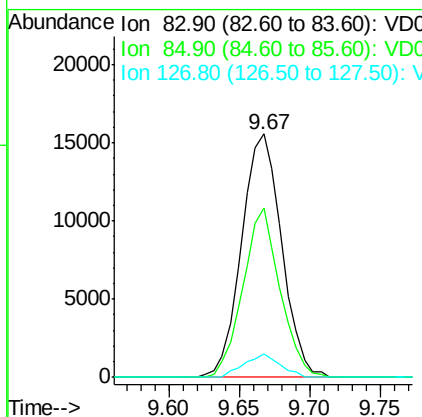
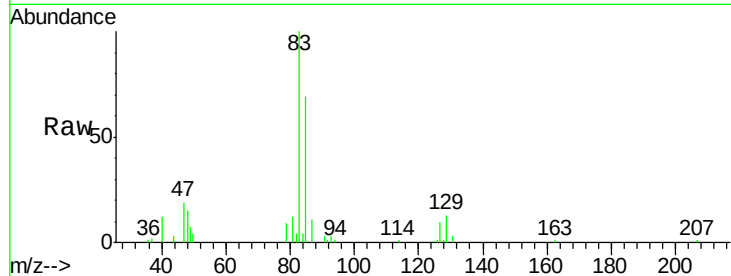
#47
Bromodichloromethane
Concen: 9.208 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	69.4	49.8	74.8	
127	9.6	6.6	9.8	

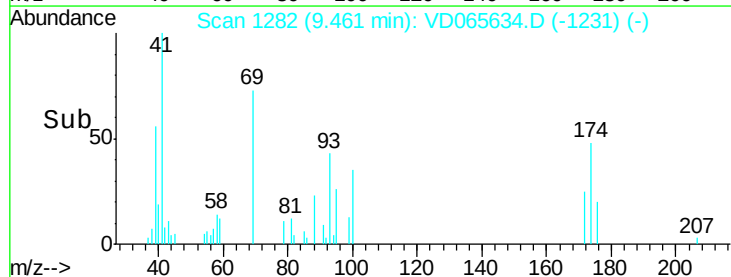
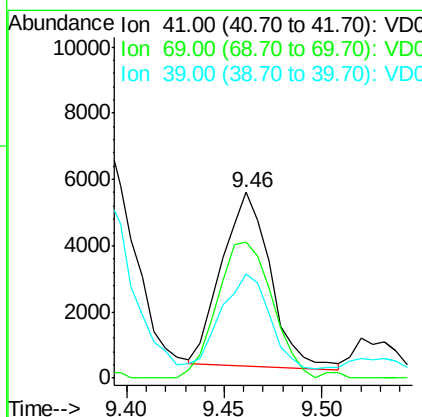
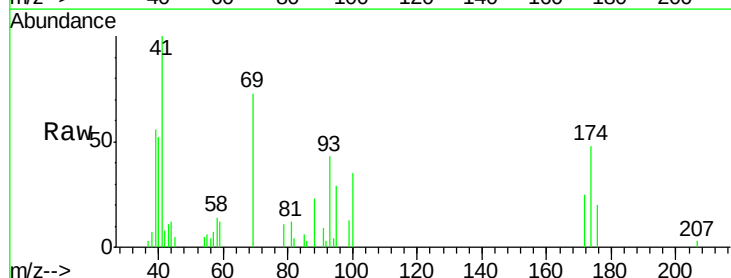
Manual Integrations
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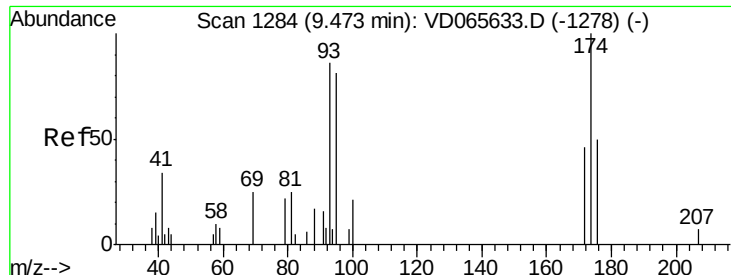
MMDadoda
4/16/2020 3:13:32 PM



#48
Methyl methacrylate
Concen: 8.034 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	88.2	66.8	100.2	
39	67.2	39.6	59.4#	





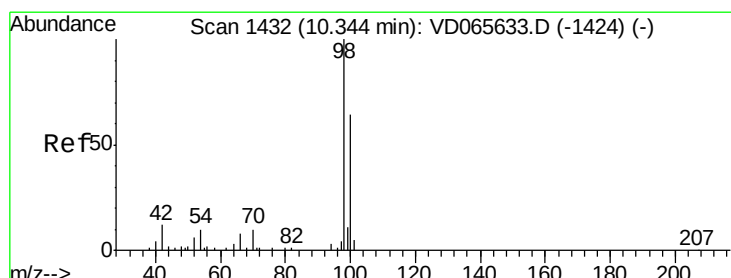
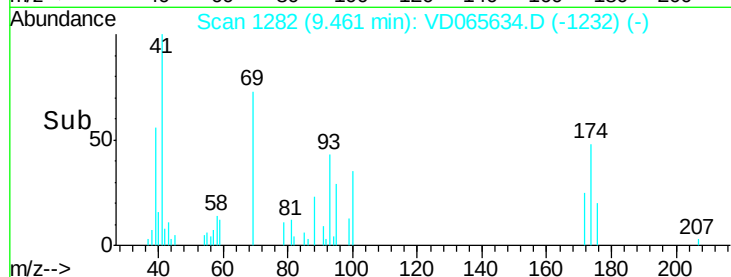
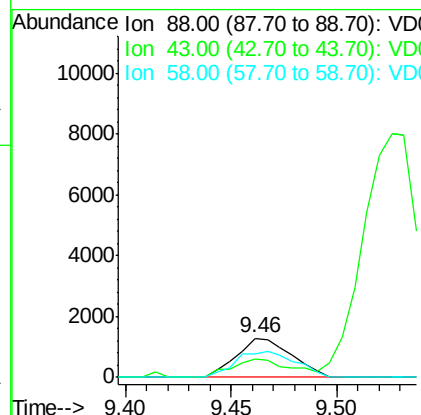
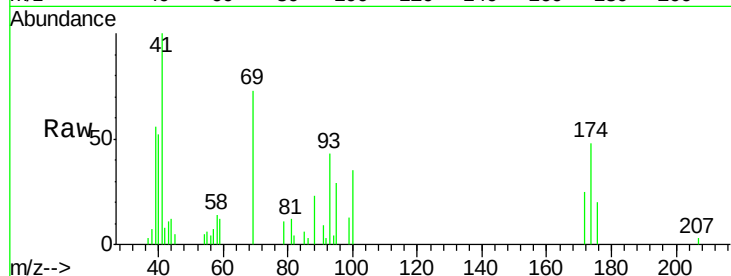
#49
1,4-Dioxane
Concen: 164.157 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	88	Resp	2298
Ion	Ratio	Lower	Upper
88	100		
43	50.7	28.1	42.1#
58	72.8	55.7	83.5

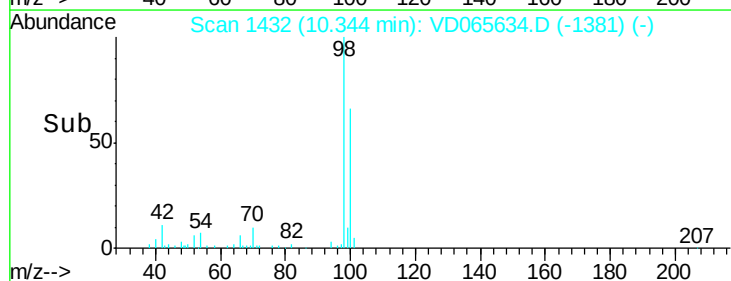
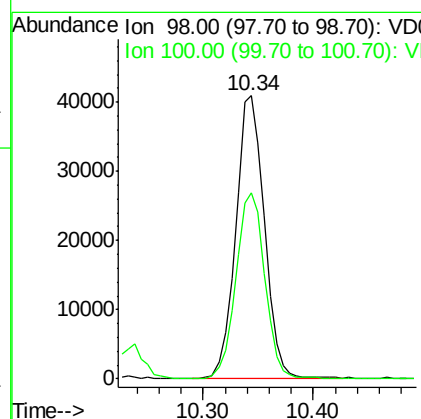
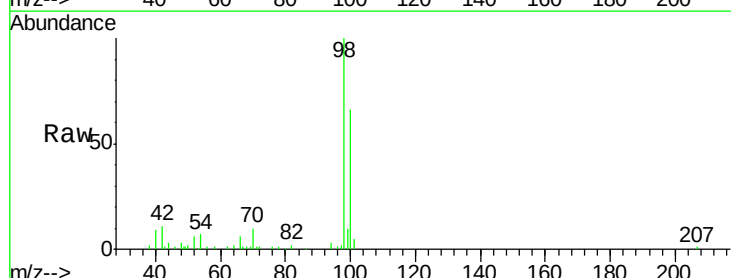
Manual Integrations
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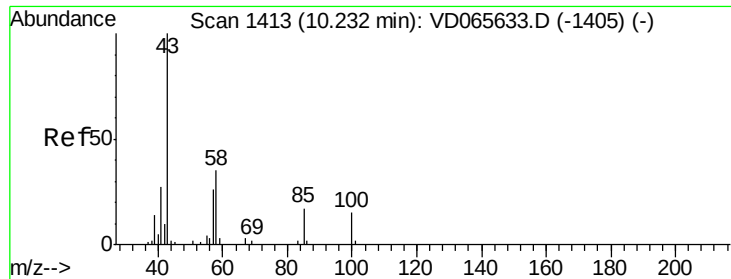
MMDadoda
4/16/2020 3:13:32 PM



#50
Toluene-d8
Concen: 8.908 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion	98	Resp	74597
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 42.063 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 51761

Ion Ratio Lower Upper

43 100

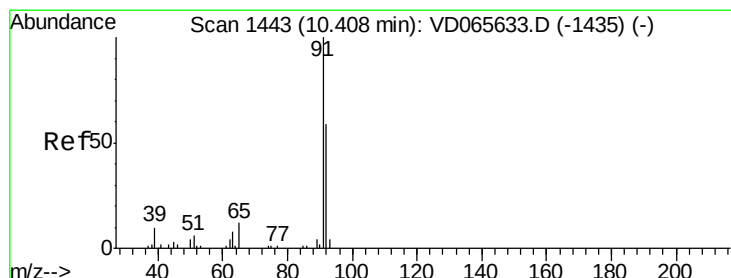
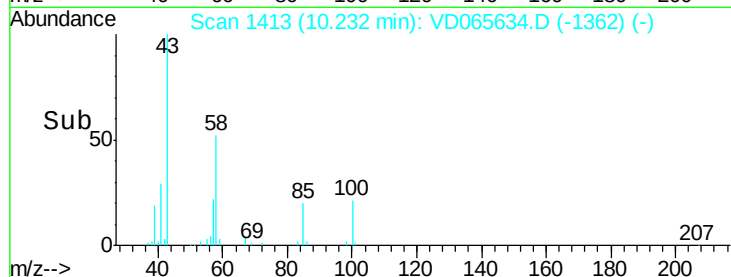
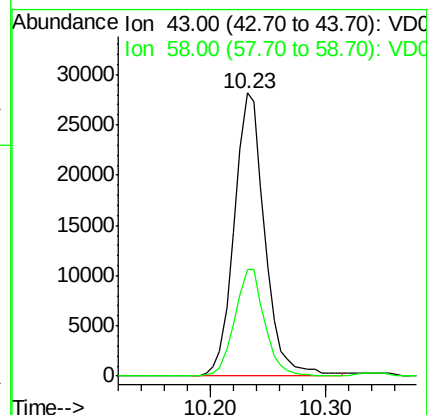
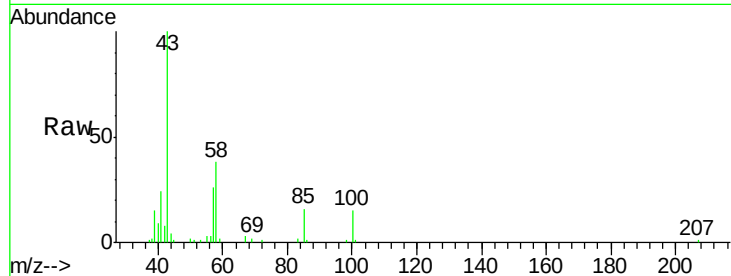
58 37.0 31.1 46.7

Manual Integrations

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4/16/2020 3:13:32 PM



#52

Toluene

Concen: 8.831 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065634.D

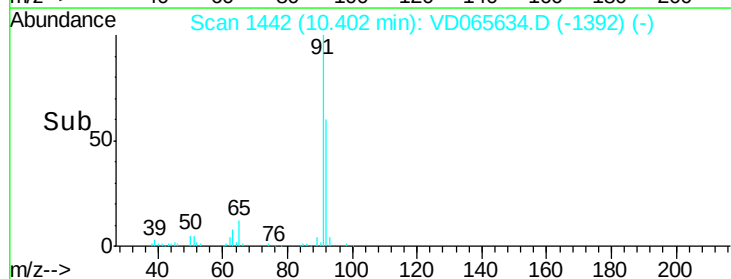
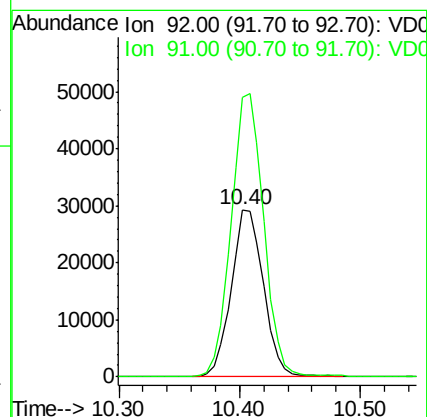
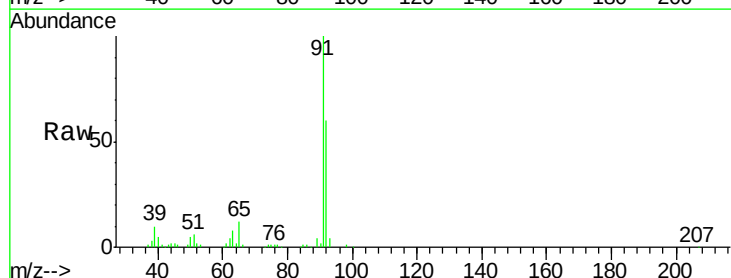
Acq: 15 Apr 2020 14:37

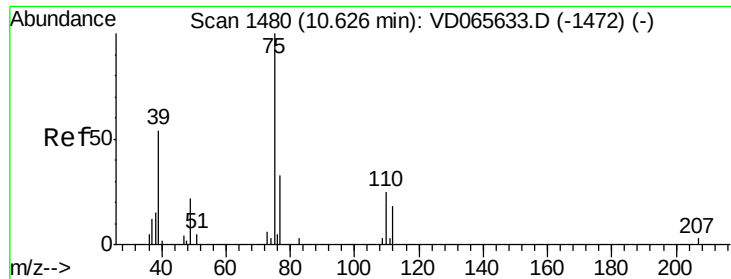
Tgt Ion: 92 Resp: 54171

Ion Ratio Lower Upper

92 100

91 171.5 136.6 205.0





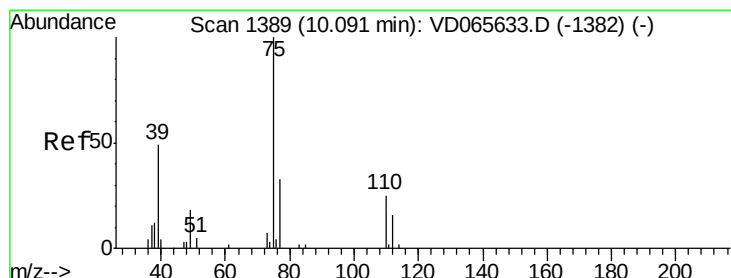
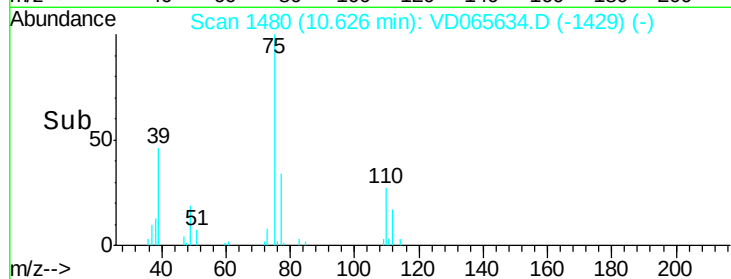
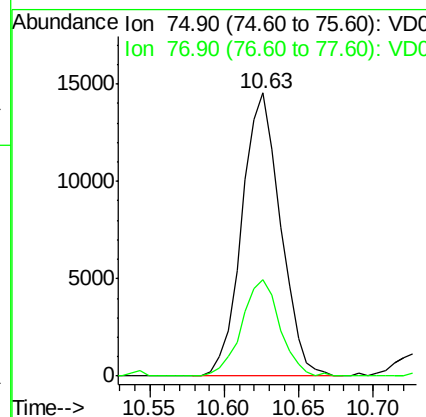
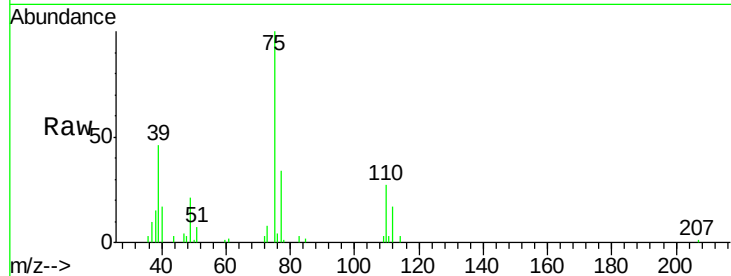
#53
t-1,3-Dichloropropene
Concen: 8.649 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 26063
Ion Ratio Lower Upper
75 100
77 34.0 24.8 37.2

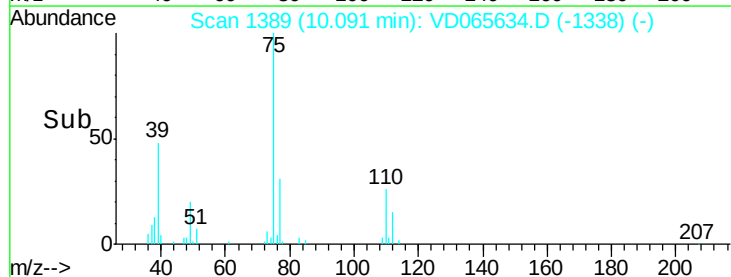
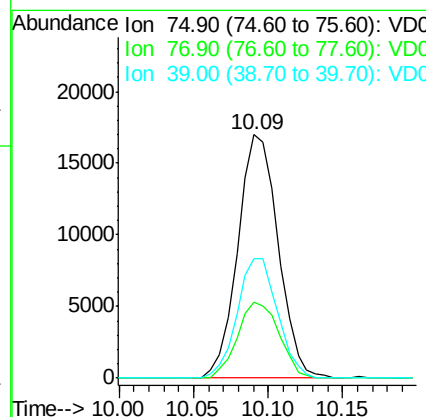
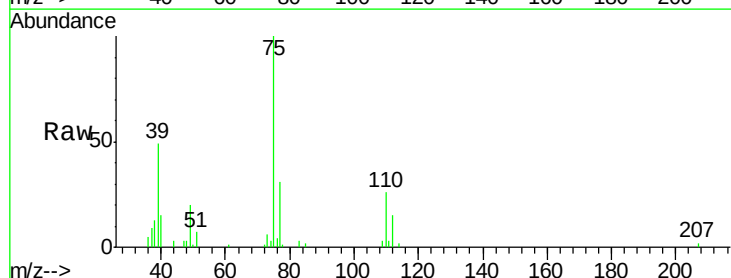
Manual Integrations
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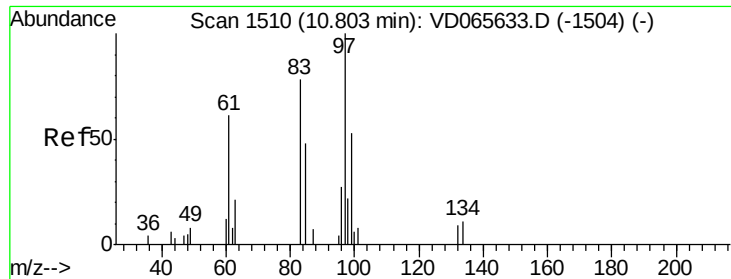
MMDadoda
4/16/2020 3:13:32 PM



#54
cis-1,3-Dichloropropene
Concen: 8.697 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion: 75 Resp: 31870
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8
39 49.1 38.7 58.1





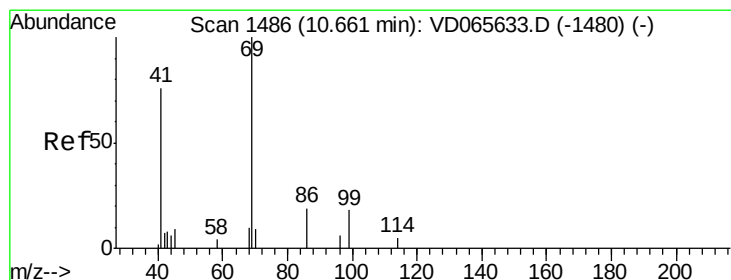
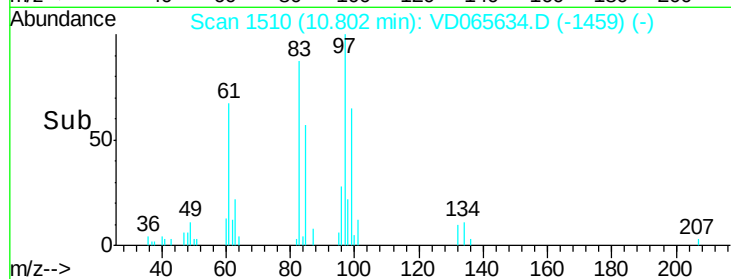
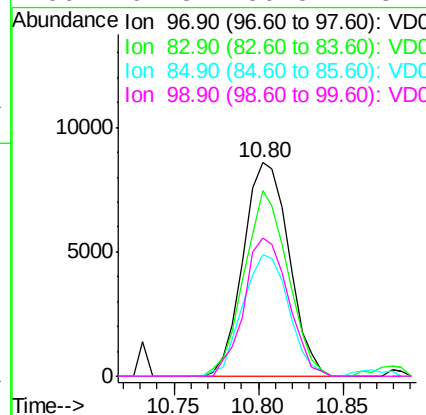
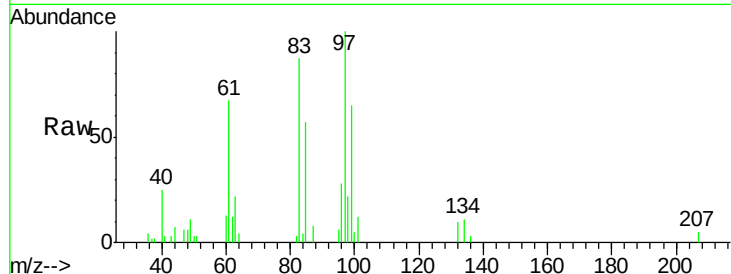
#55
 1,1,2-Trichloroethane
 Concen: 8.910 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
97	100	16200		
83	86.9	67.4	101.0	
85	56.9	43.4	65.0	
99	64.8	50.5	75.7	

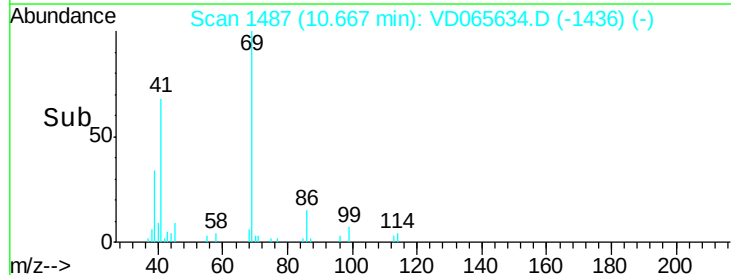
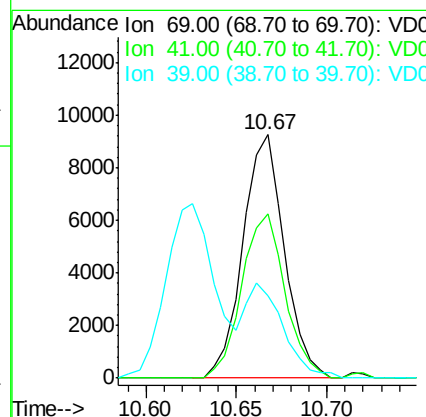
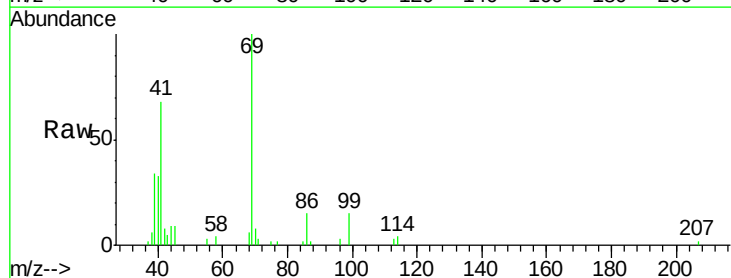
Manual Integrations
 APPROVED

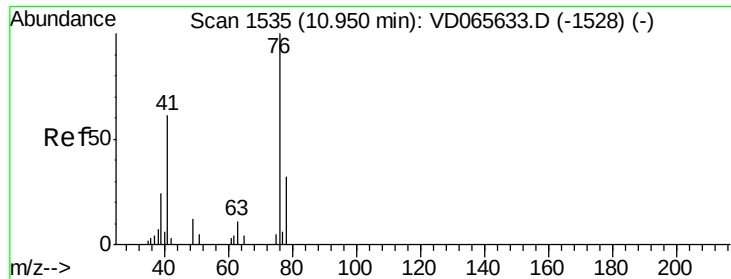
MMDadoda
 4/16/2020 3:13:32 PM



#56
 Ethyl methacrylate
 Concen: 8.003 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	14736		
41	70.4	56.2	84.4	
39	35.8	26.6	39.8	





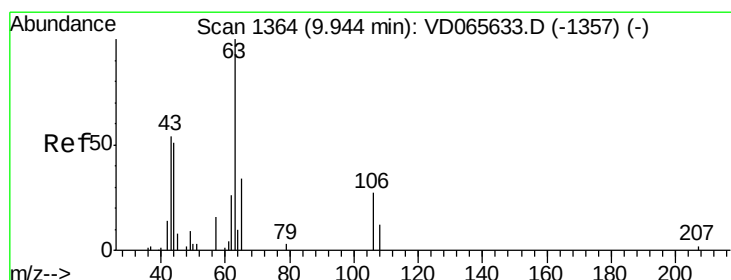
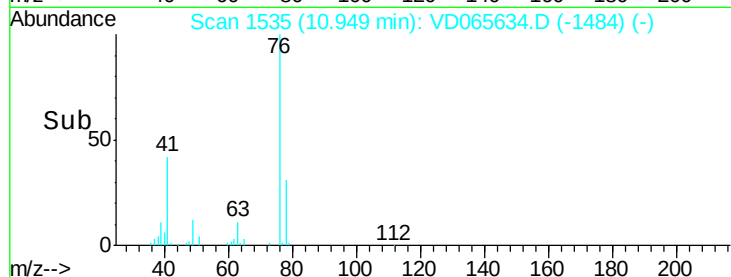
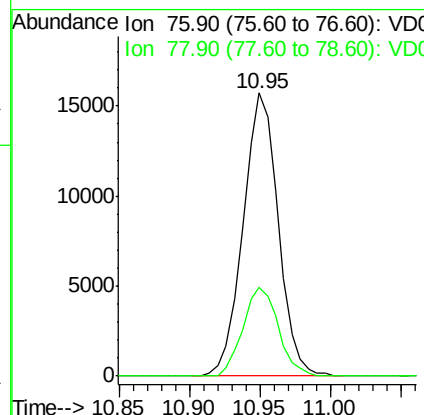
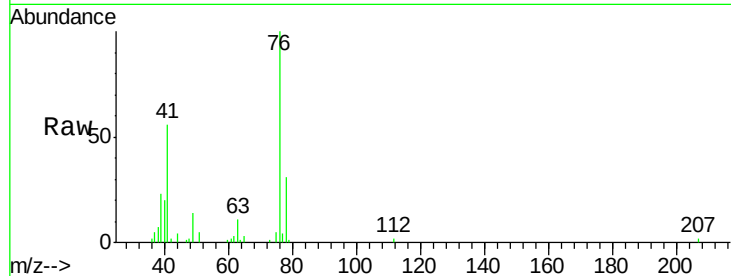
#57
 1,3-Dichloropropane
 Concen: 9.103 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 27404
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.1 39.1

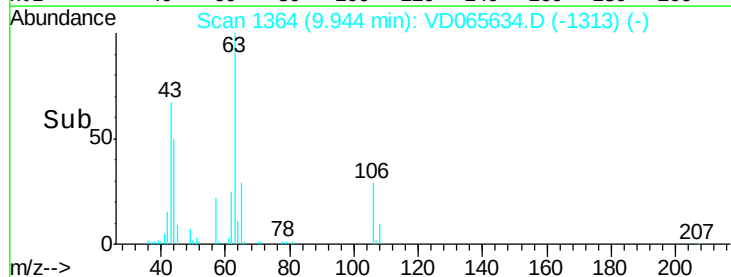
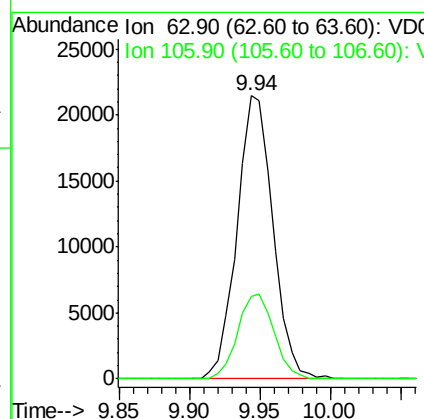
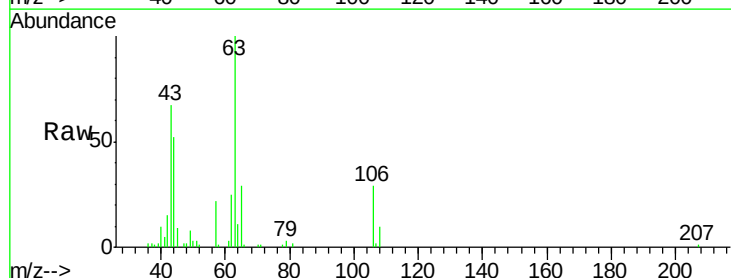
Manual Integrations
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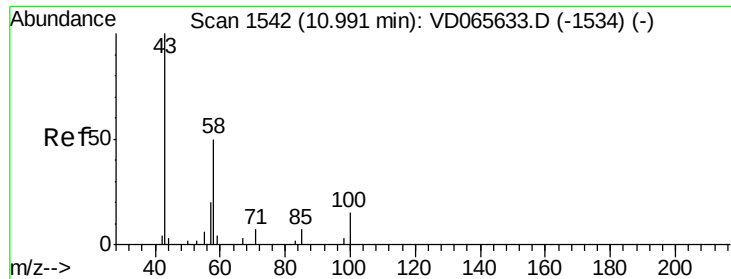
MMDadoda
 4/16/2020 3:13:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 39.823 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Tgt Ion: 63 Resp: 38171
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.8 35.6





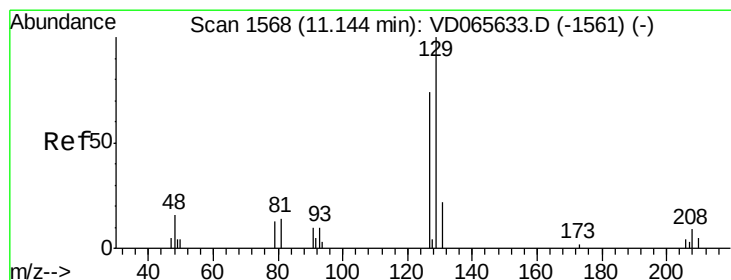
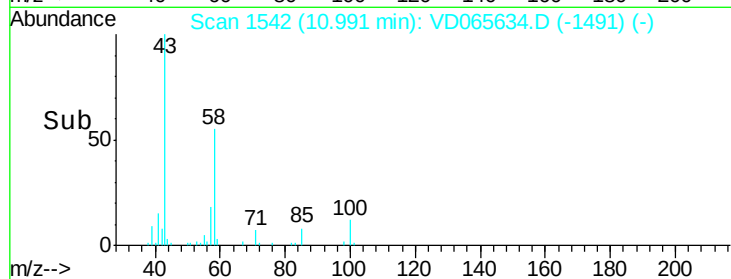
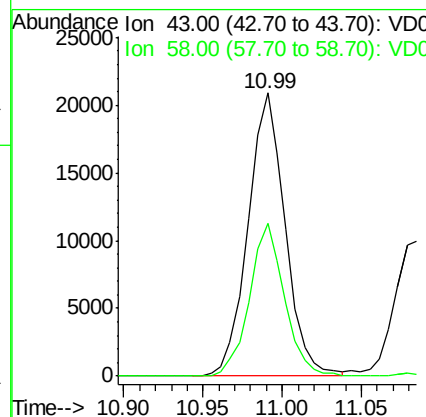
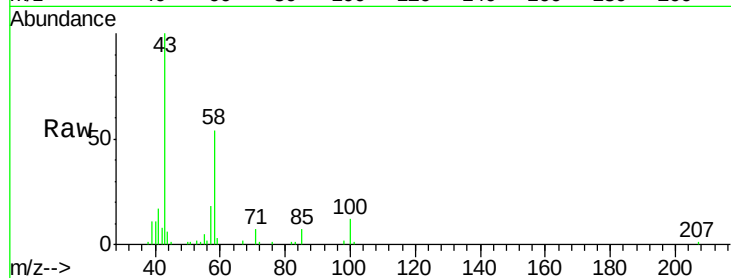
#59
2-Hexanone
Concen: 41.324 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 33950
Ion Ratio Lower Upper
43 100
58 50.7 26.5 79.4

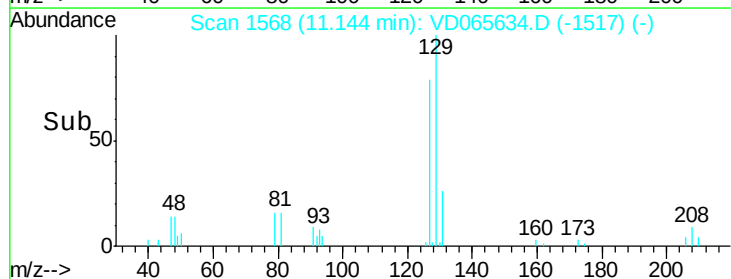
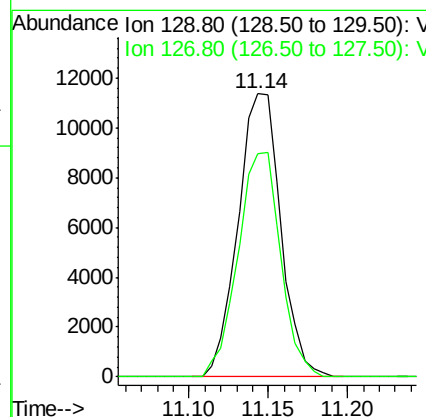
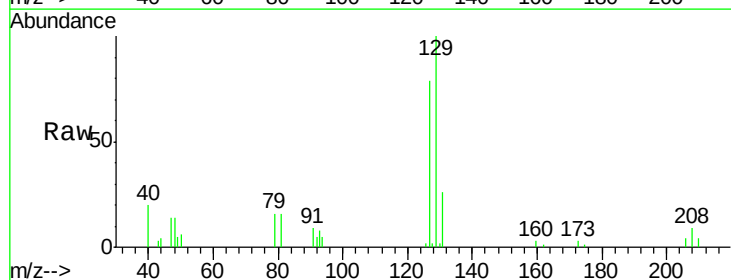
Manual Integrations
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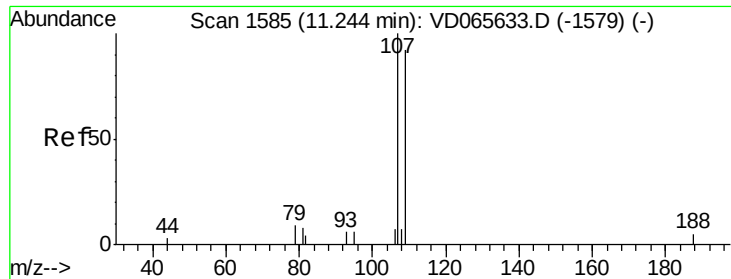
MMDadoda
4/16/2020 3:13:32 PM



#60
Dibromochloromethane
Concen: 8.869 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion: 129 Resp: 21288
Ion Ratio Lower Upper
129 100
127 79.1 38.8 116.3





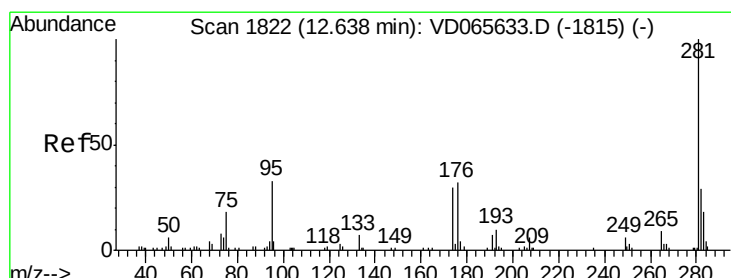
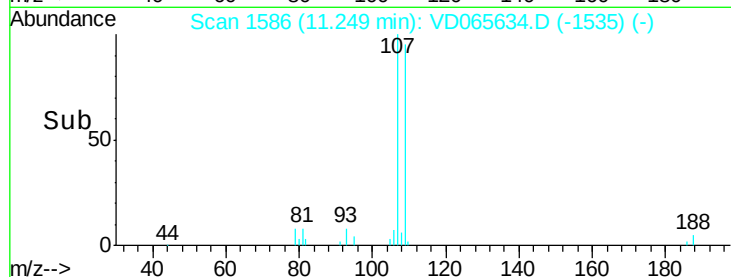
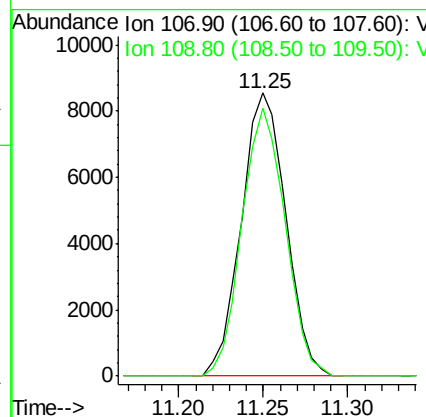
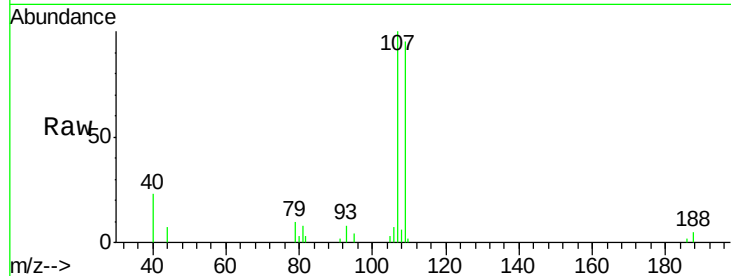
#61
 1,2-Dibromoethane
 Concen: 9.083 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 15706
 Ion Ratio Lower Upper
 107 100
 109 91.8 74.6 112.0

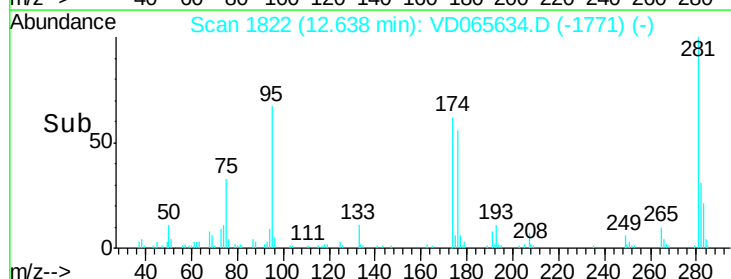
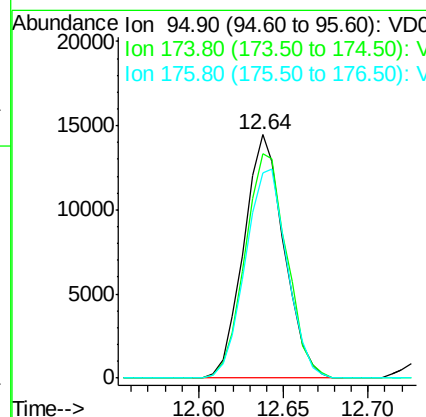
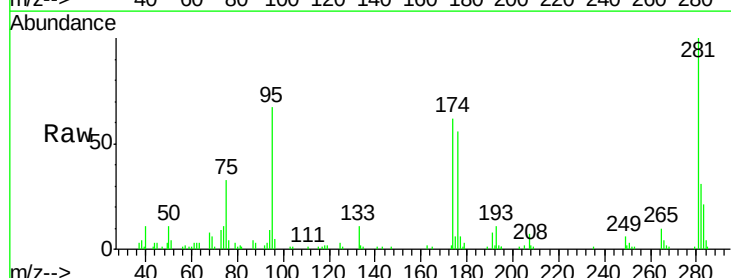
Manual Integrations
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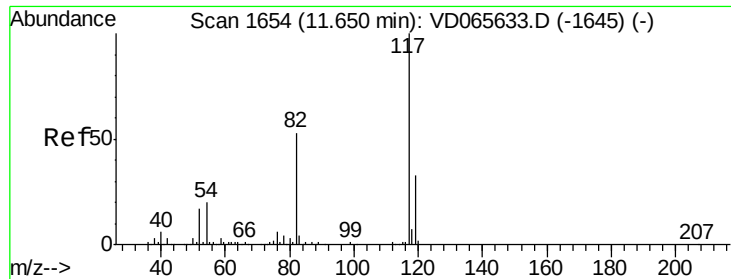
MMDadoda
 4/16/2020 3:13:32 PM



#62
 4-Bromofluorobenzene
 Concen: 8.843 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Tgt Ion: 95 Resp: 24029
 Ion Ratio Lower Upper
 95 100
 174 95.0 0.0 183.8
 176 88.9 0.0 181.4





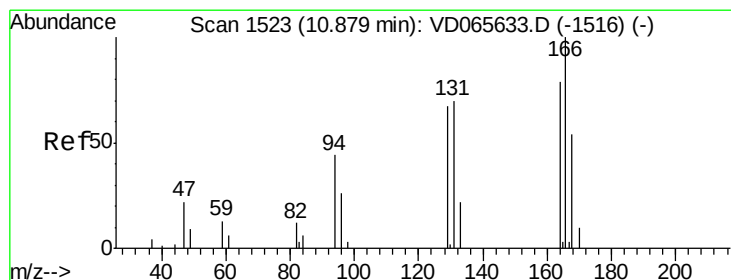
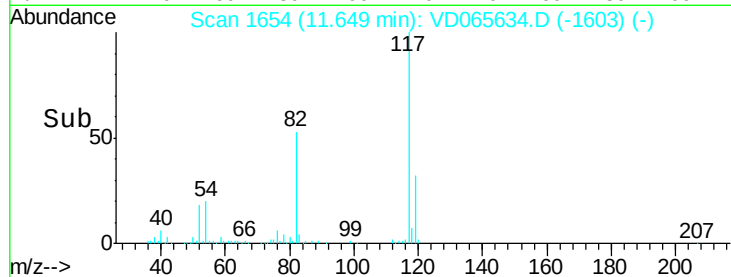
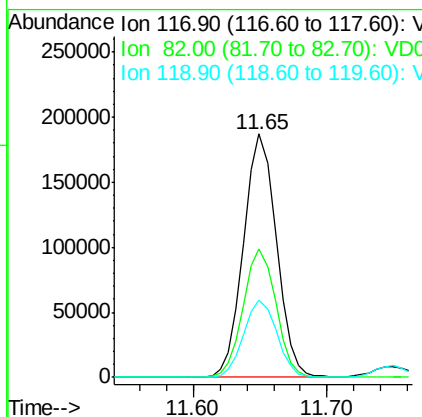
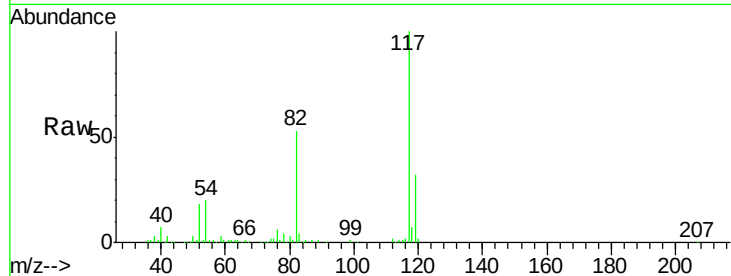
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	43.2	64.8
119	31.8	26.2	39.4

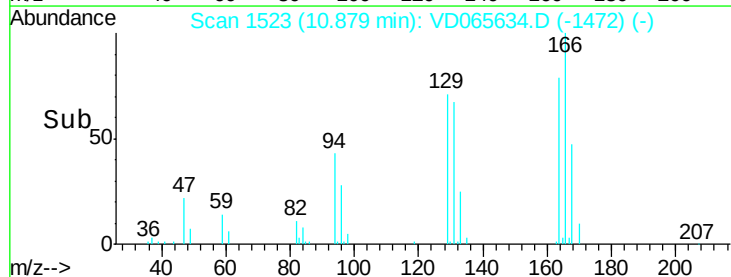
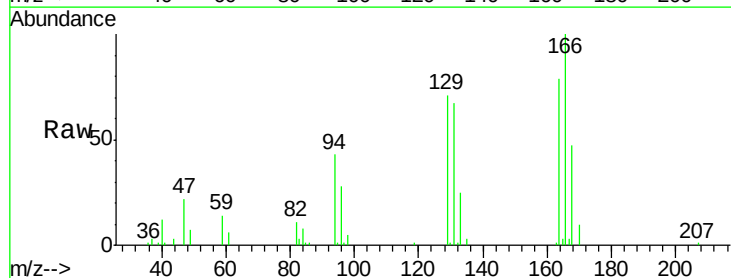
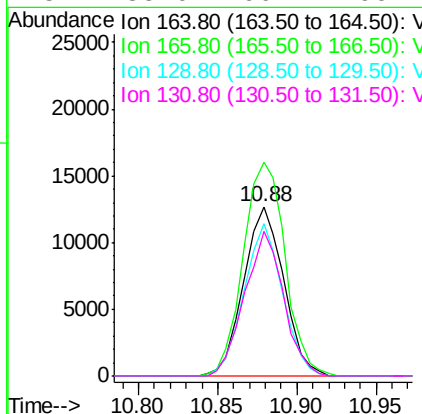
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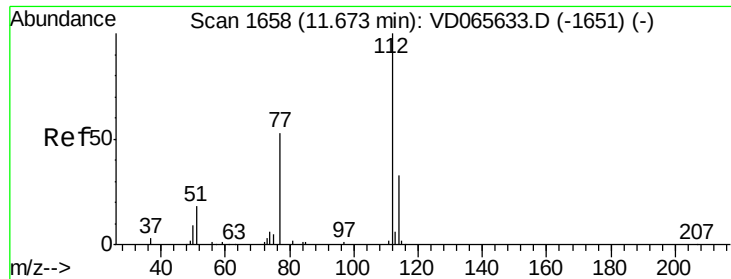
MMDadoda
4/16/2020 3:13:32 PM



#64
Tetrachloroethene
Concen: 8.987 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.3	153.5
129	89.9	71.7	107.5
131	85.0	66.2	99.4





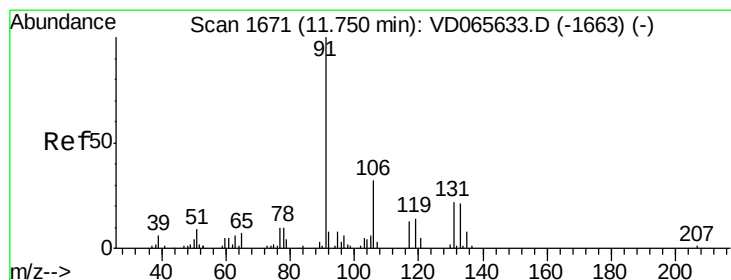
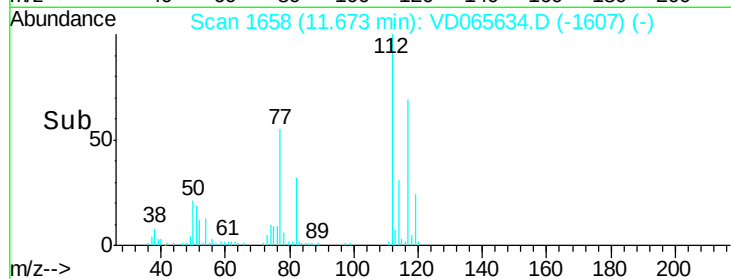
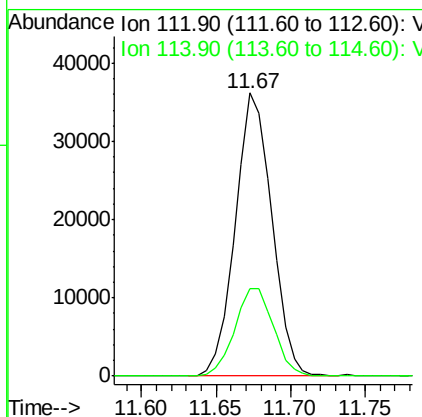
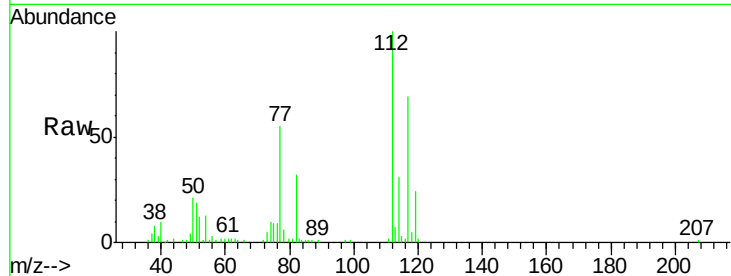
#65
Chlorobenzene
Concen: 9.078 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.3	37.9

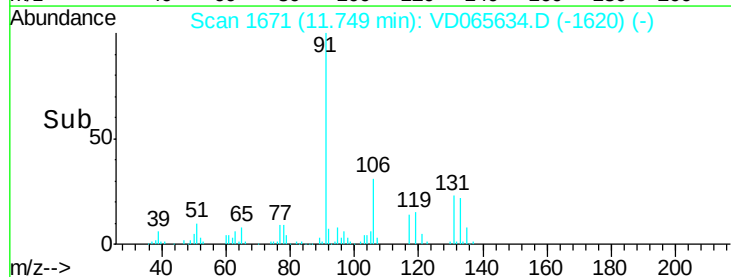
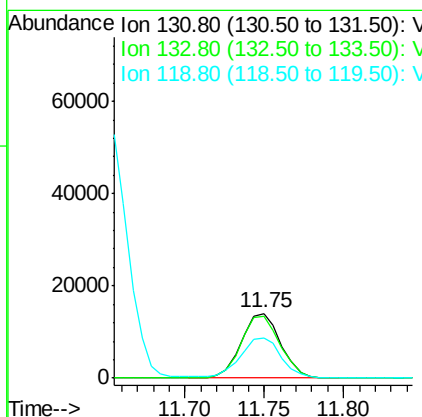
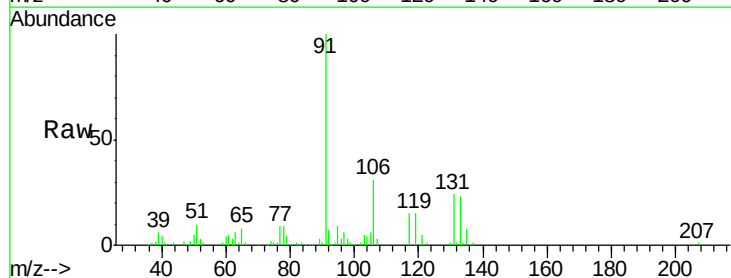
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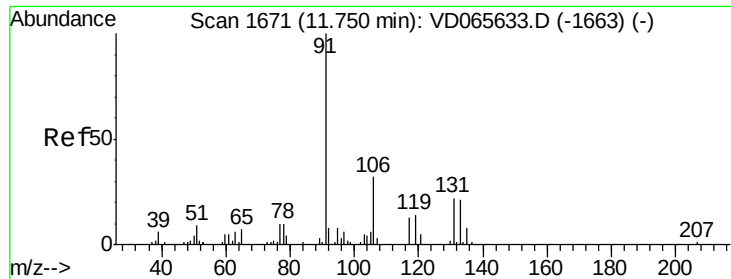
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.383 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.7	143.1
119	65.5	32.6	97.7





#67

Ethyl Benzene

Concen: 8.796 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 98255

Ion Ratio Lower Upper

91 100

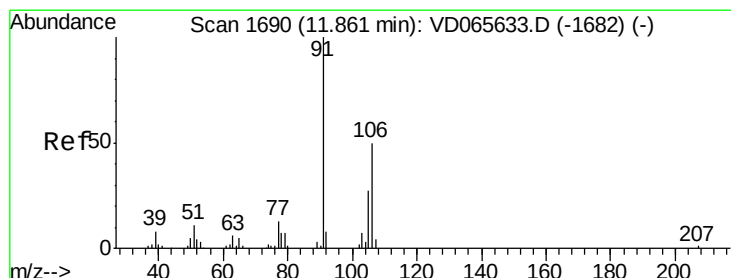
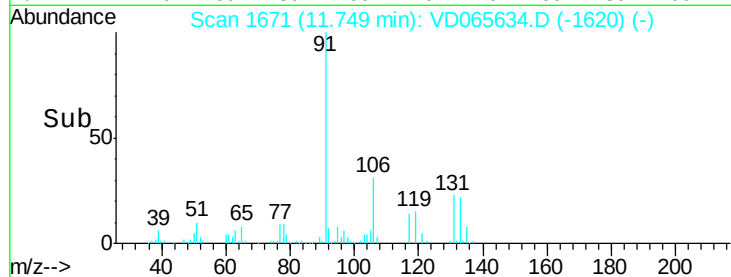
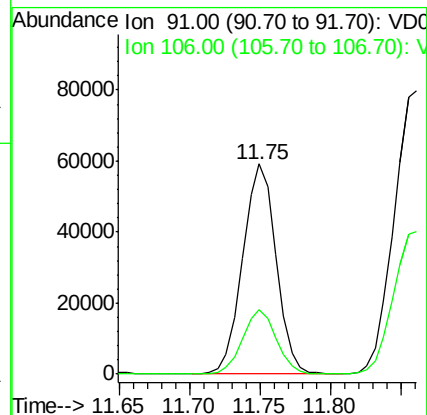
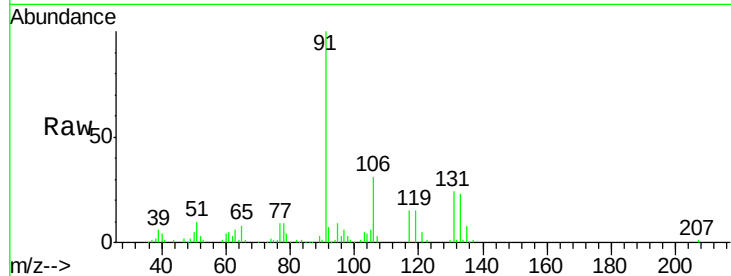
106 30.6 25.1 37.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 17.714 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065634.D

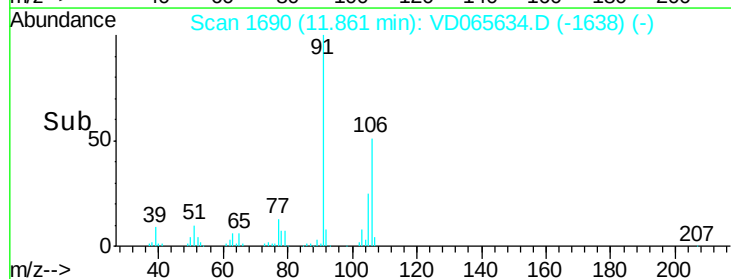
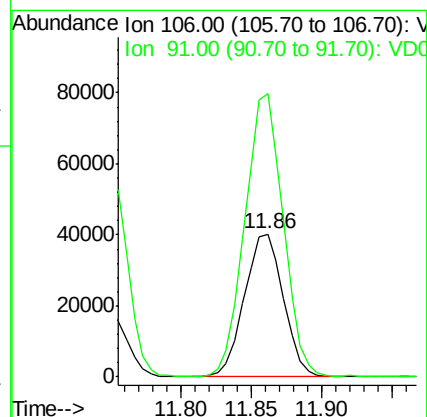
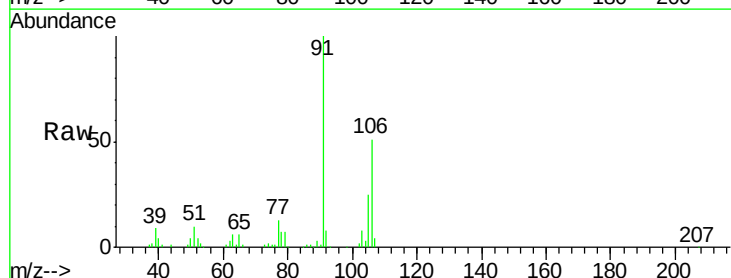
Acq: 15 Apr 2020 14:37

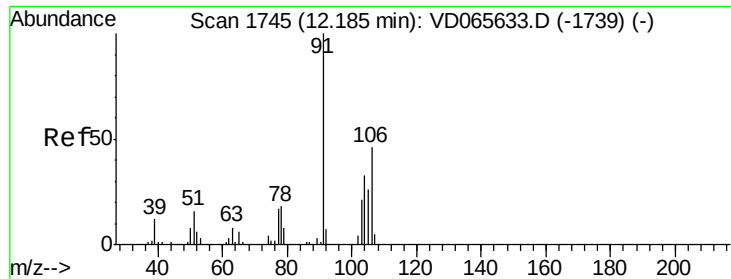
Tgt Ion: 106 Resp: 77786

Ion Ratio Lower Upper

106 100

91 195.6 157.9 236.9





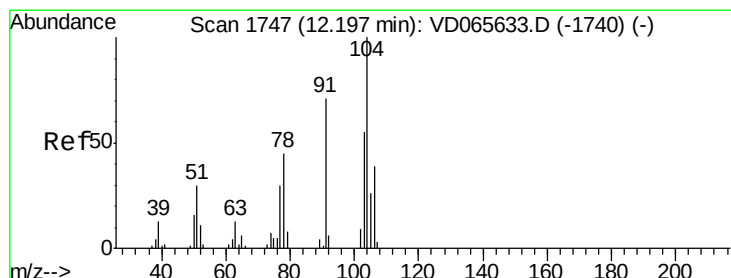
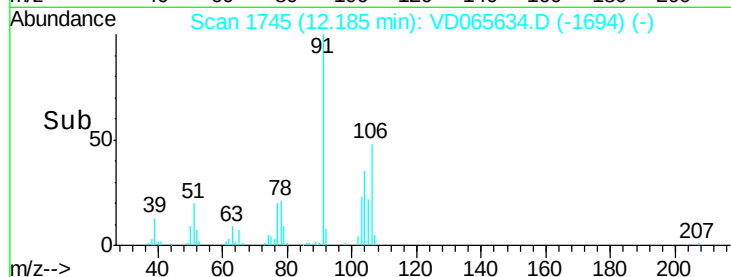
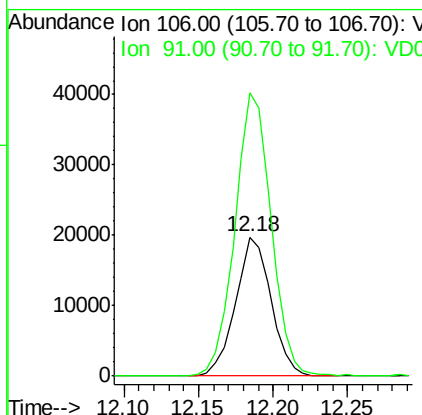
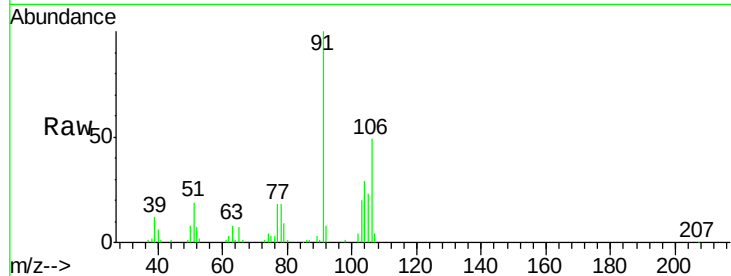
#69
o-Xylene
Concen: 8.589 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 32620
Ion Ratio Lower Upper
106 100
91 208.4 103.6 310.9

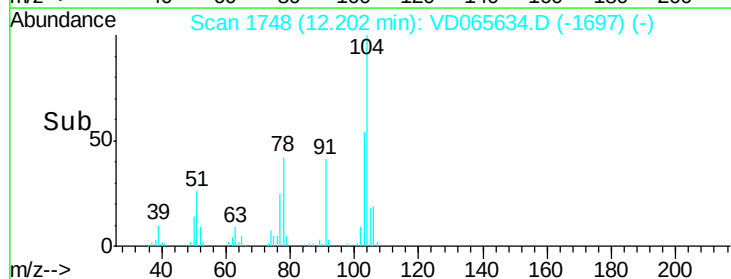
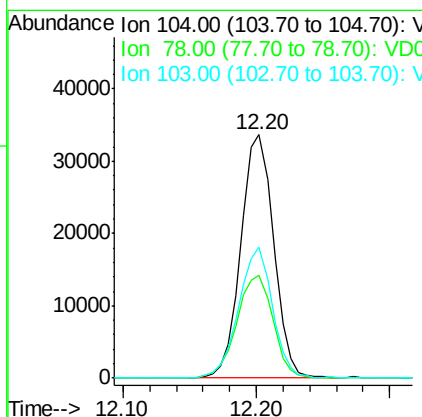
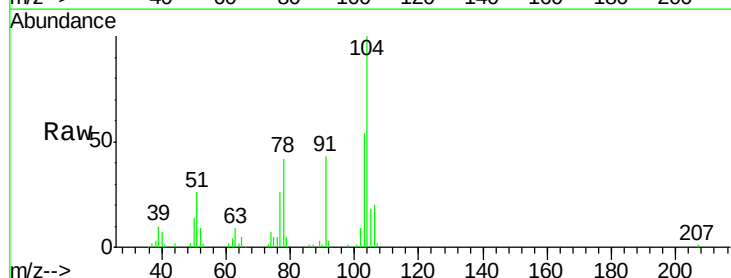
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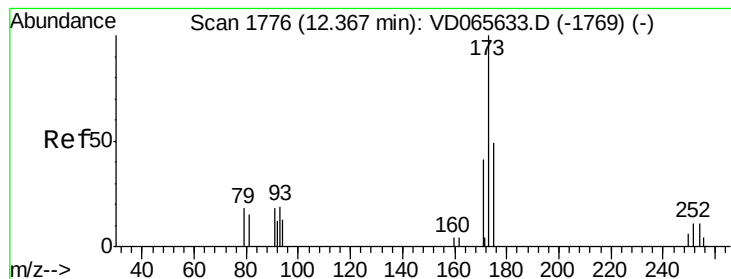
MMDadoda
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#70
Styrene
Concen: 8.526 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion:104 Resp: 57316
Ion Ratio Lower Upper
104 100
78 46.5 37.5 56.3
103 55.3 43.4 65.0





#71

Bromoform

Concen: 9.030 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 13309

Ion Ratio Lower Upper

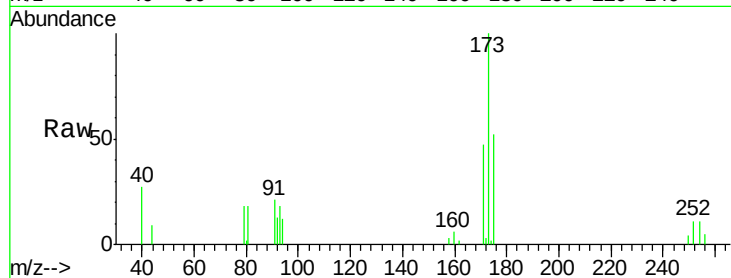
173 100

175 47.3 25.1 75.2

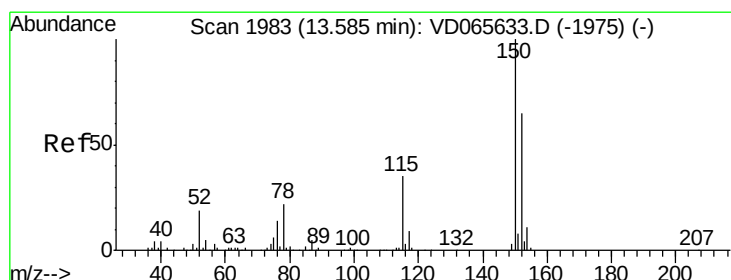
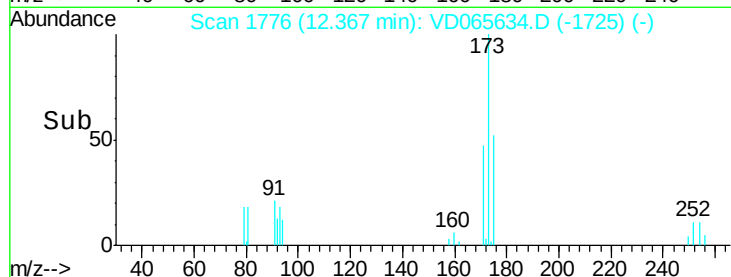
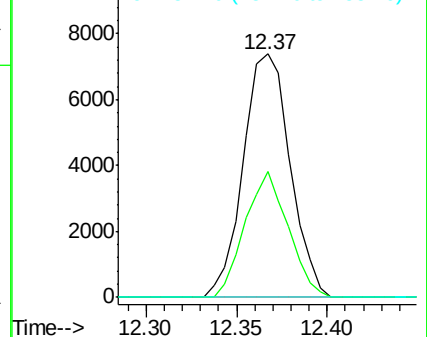
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

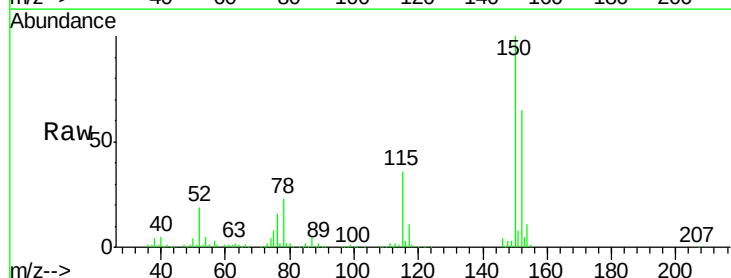
Tgt Ion:152 Resp: 165097

Ion Ratio Lower Upper

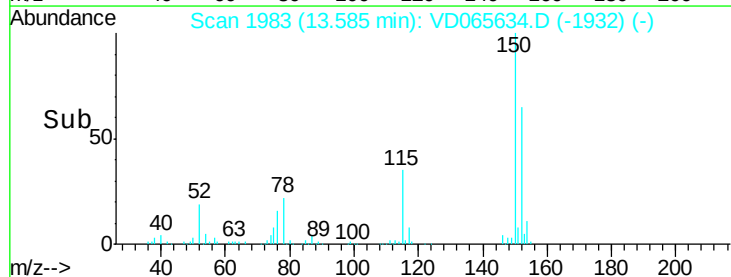
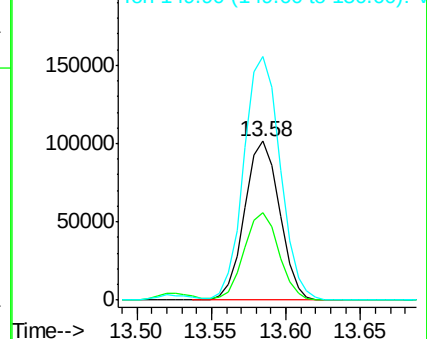
152 100

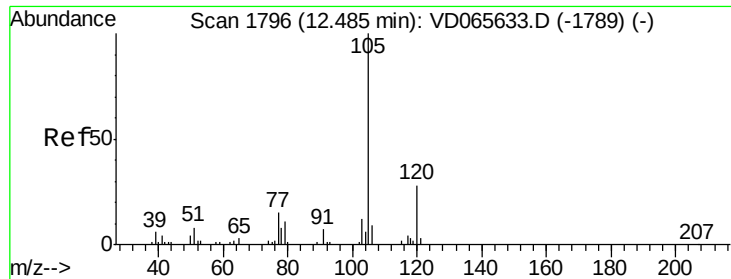
115 54.9 27.6 82.7

150 159.5 0.0 346.0



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: 8.527 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 87599

Ion Ratio Lower Upper

105 100

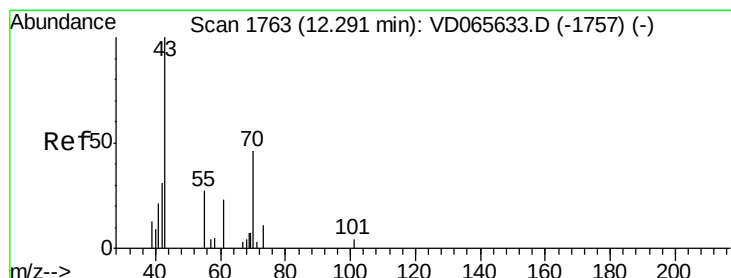
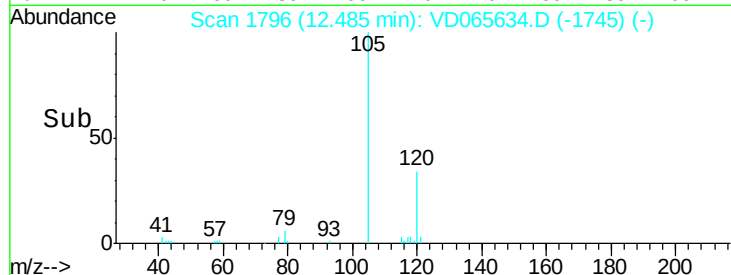
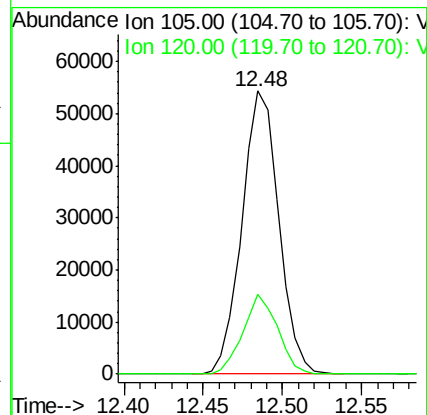
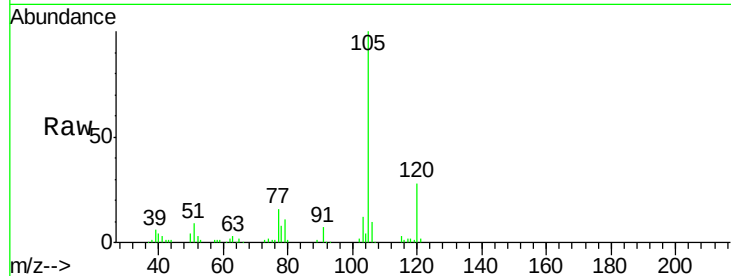
120 26.6 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 8.596 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Tgt Ion: 43 Resp: 18116

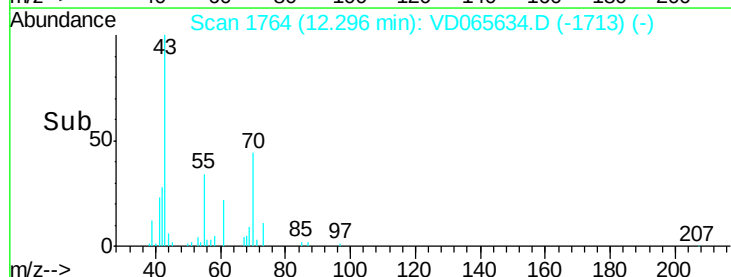
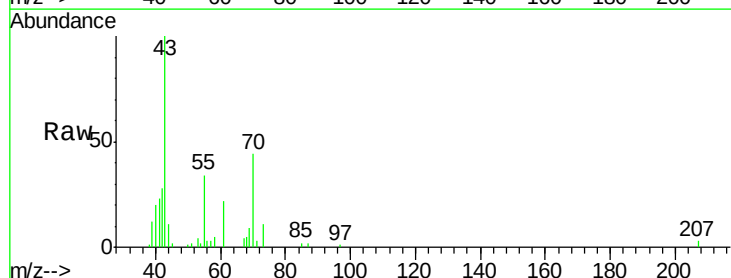
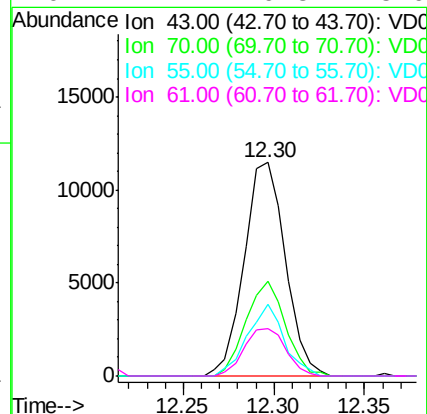
Ion Ratio Lower Upper

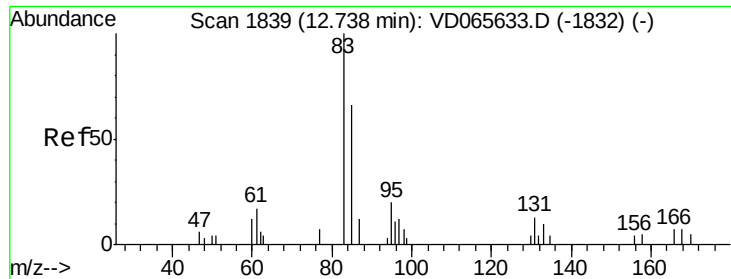
43 100

70 42.5 35.4 53.0

55 29.9 22.2 33.2

61 22.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 9.052 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

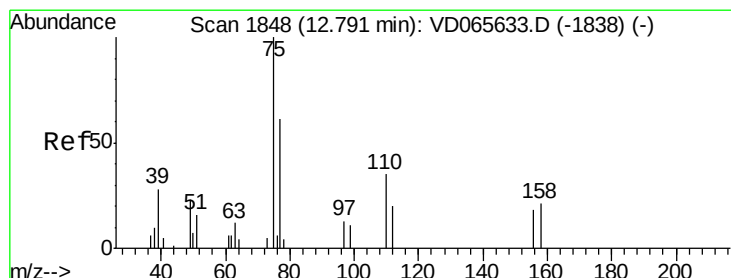
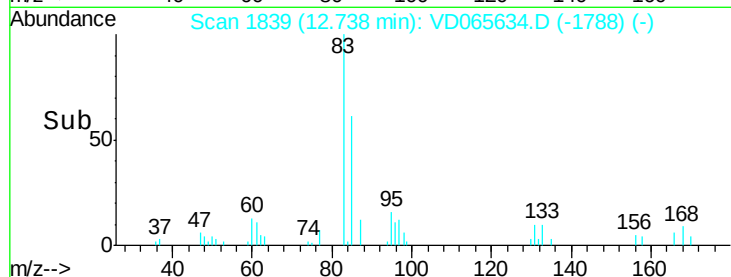
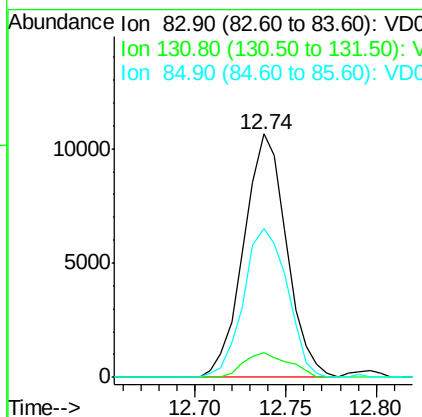
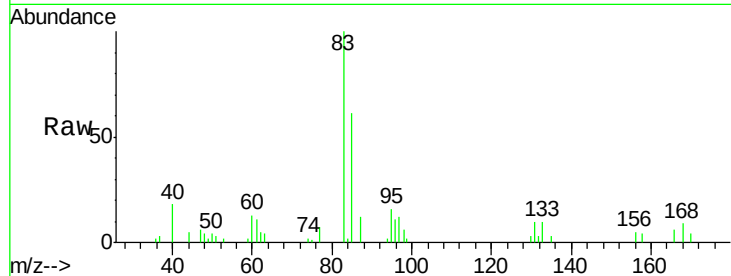
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	17503
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.7	17.0
85	62.4	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 8.591 ug/l m

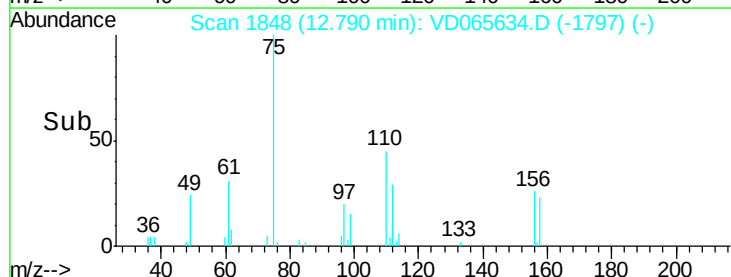
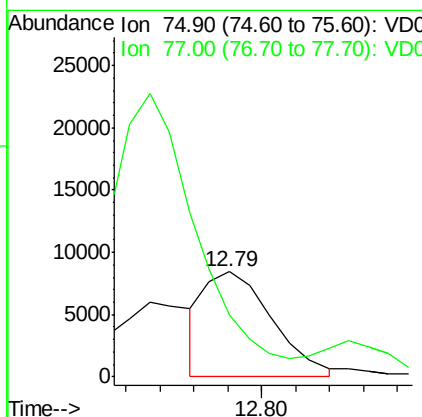
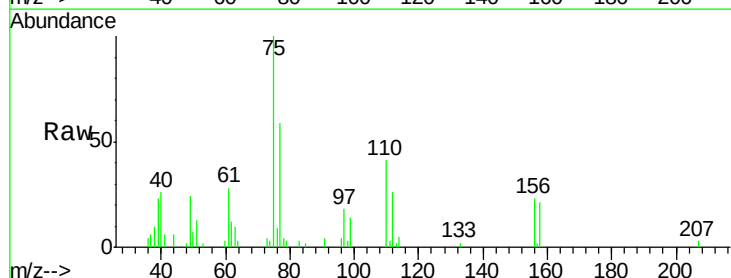
RT: 12.79 min Scan# 1848

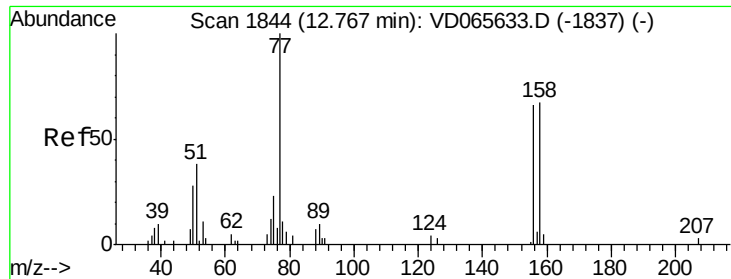
Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Tgt Ion:	75	Resp:	11675
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 8.942 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 25360

Ion Ratio Lower Upper

156 100

77 165.4 84.7 254.1

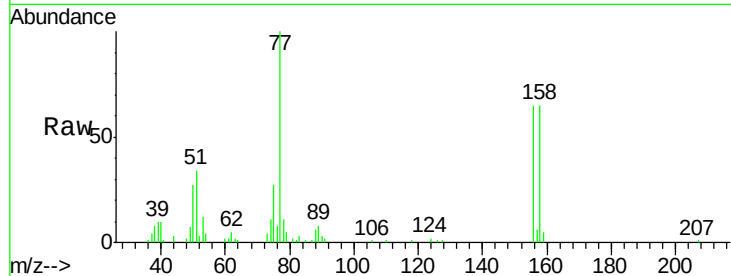
158 99.5 48.5 145.5

Manual Integrations

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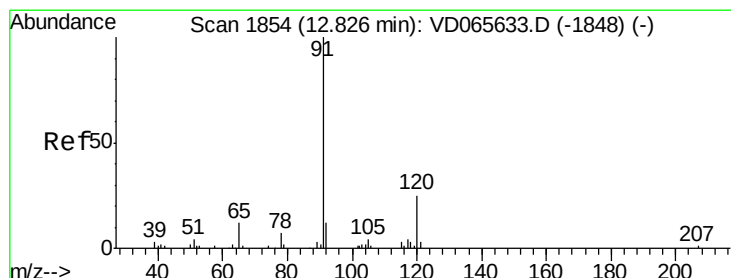
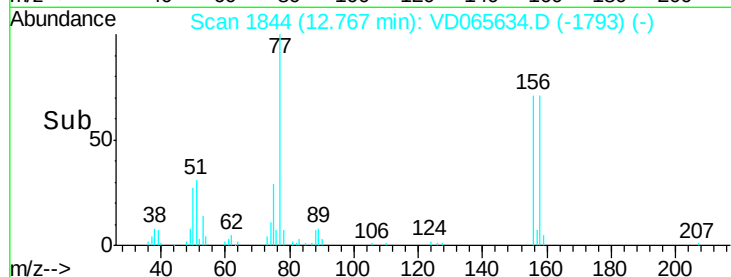
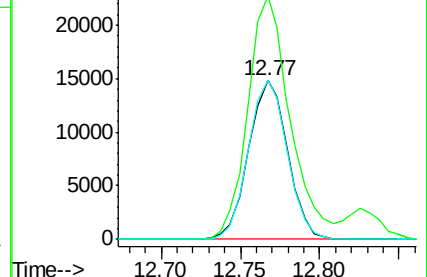
4/16/2020 3:13:32 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 8.812 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065634.D

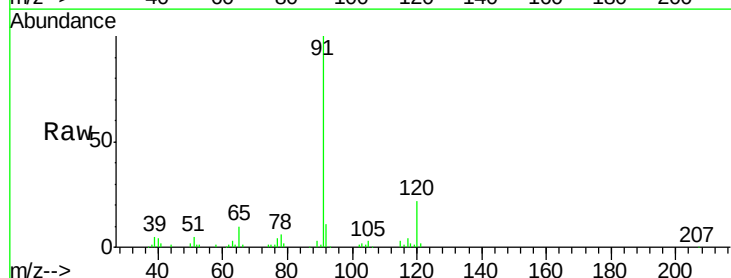
Acq: 15 Apr 2020 14:37

Tgt Ion: 91 Resp: 109450

Ion Ratio Lower Upper

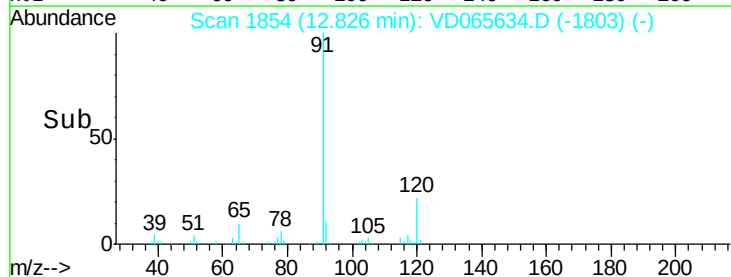
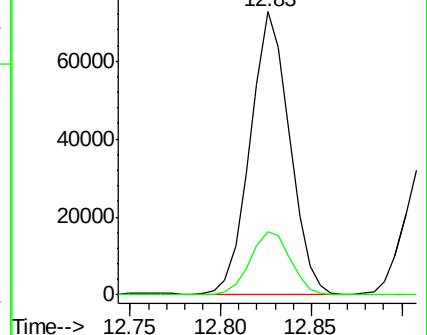
91 100

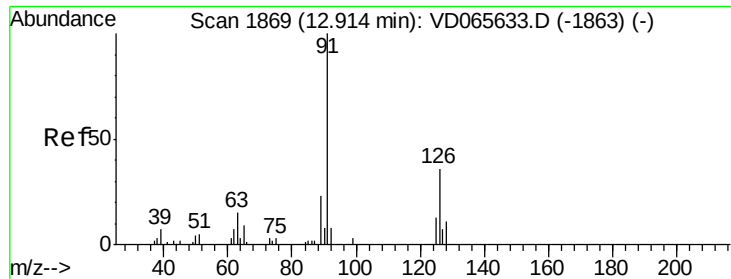
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.068 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 64658

Ion Ratio Lower Upper

91 100

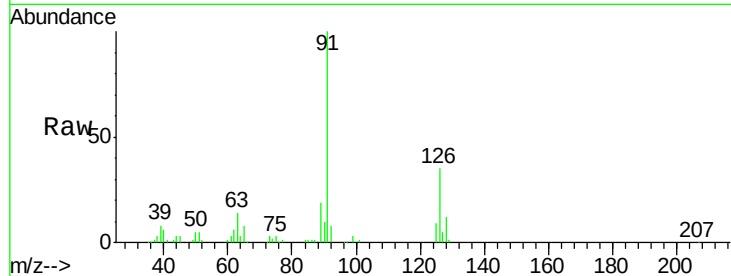
126 35.5 17.8 53.3

Manual Integrations

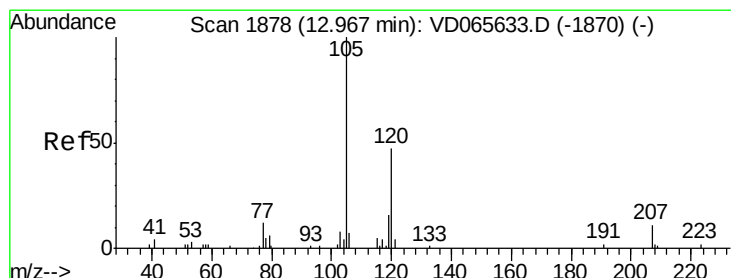
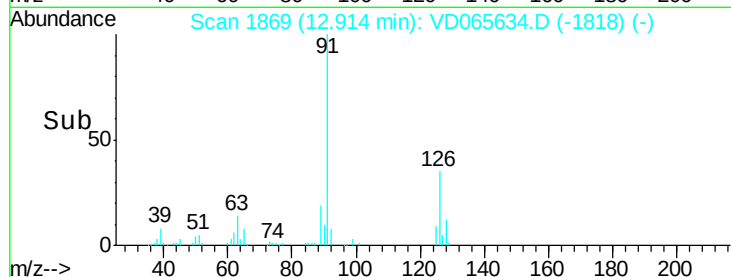
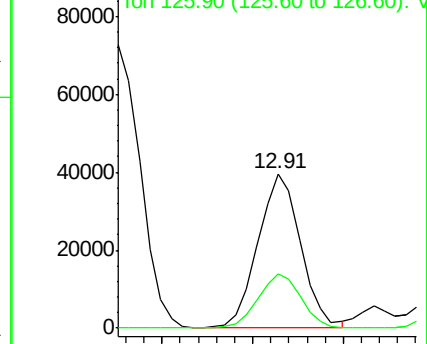
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Abundance Ion 91.00 (90.70 to 91.70): VD065633.D (-1863) (-)



#80

1,3,5-Trimethylbenzene

Concen: 8.580 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065634.D

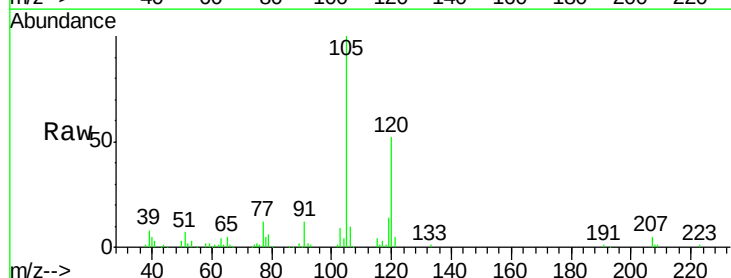
Acq: 15 Apr 2020 14:37

Tgt Ion: 105 Resp: 74704

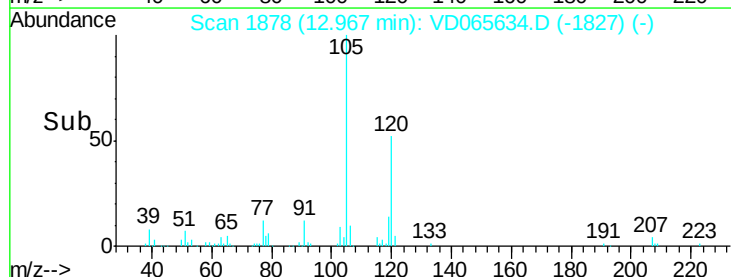
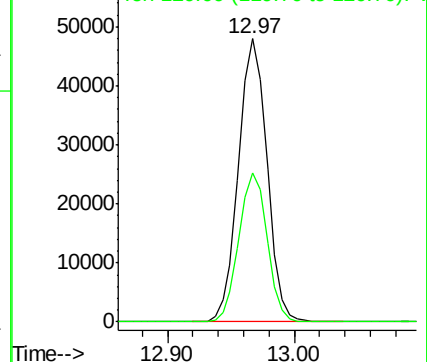
Ion Ratio Lower Upper

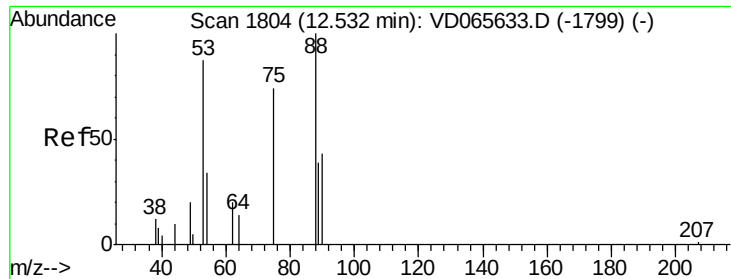
105 100

120 51.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VD065633.D (-1870) (-)





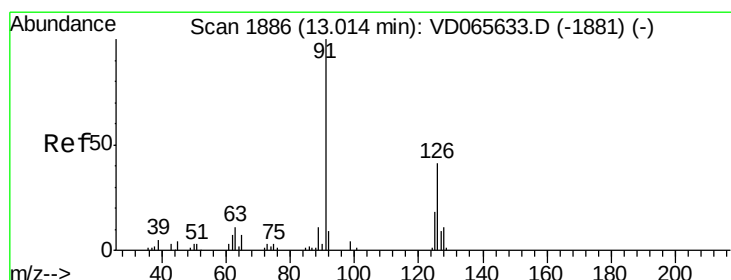
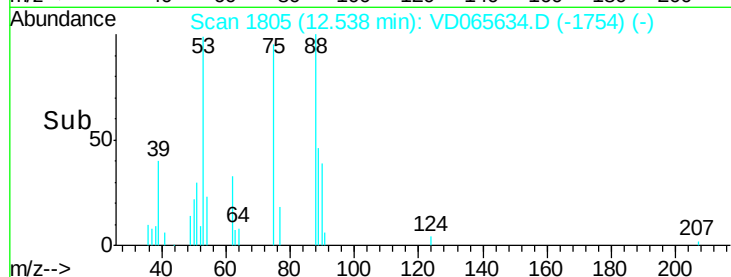
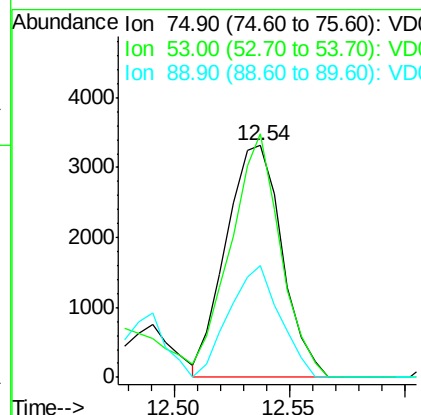
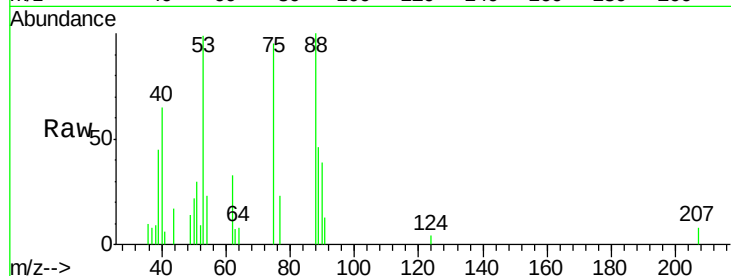
#81
trans-1,4-Dichloro-2-butene
Concen: 9.670 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.7	76.8	115.2
89	43.5	36.1	54.1

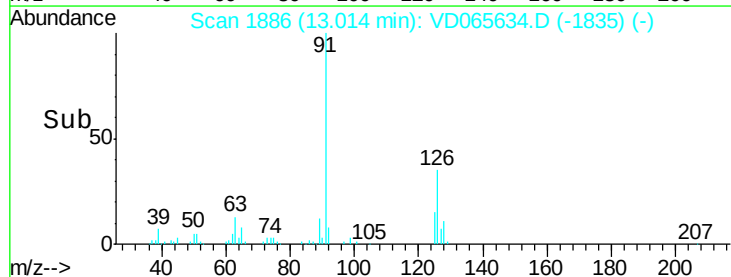
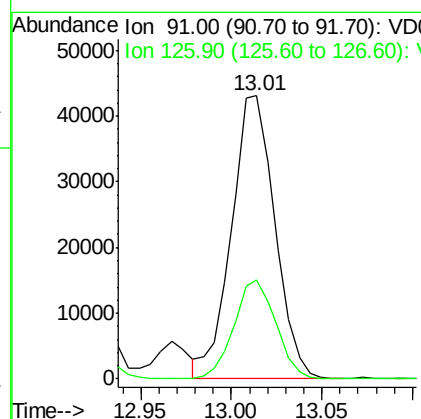
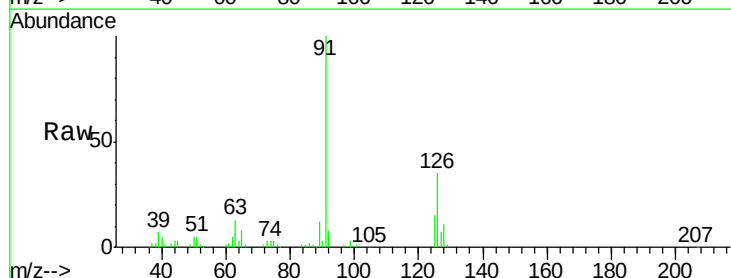
Manual Integrations
APPROVED

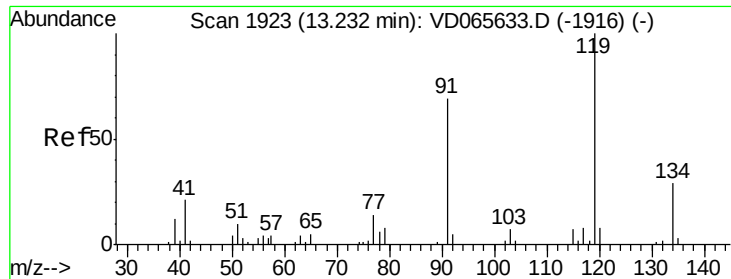
MMDadoda
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#82
4-Chlorotoluene
Concen: 9.337 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	17.5	52.6





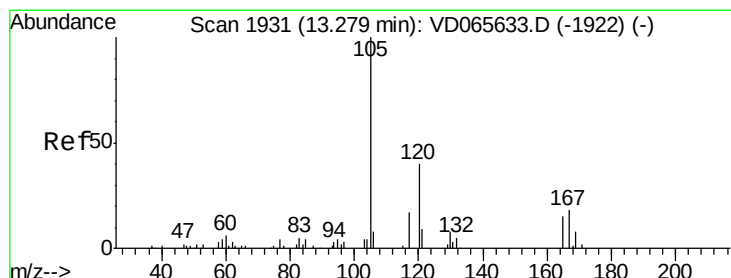
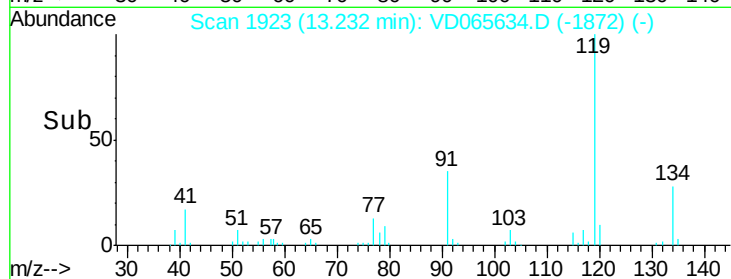
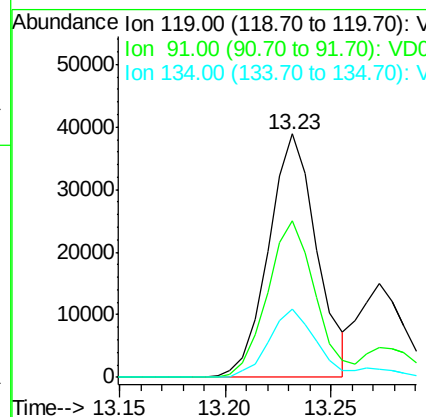
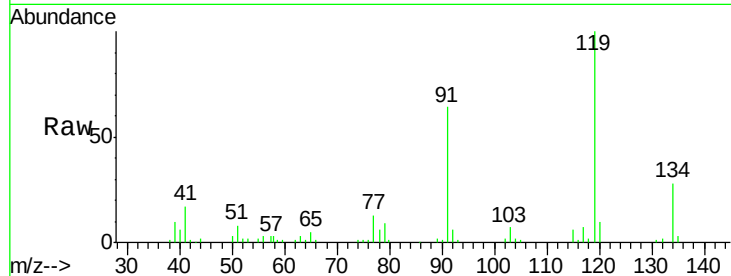
#83
 tert-Butylbenzene
 Concen: 8.594 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	31.7	95.1
134	27.3	14.0	41.9

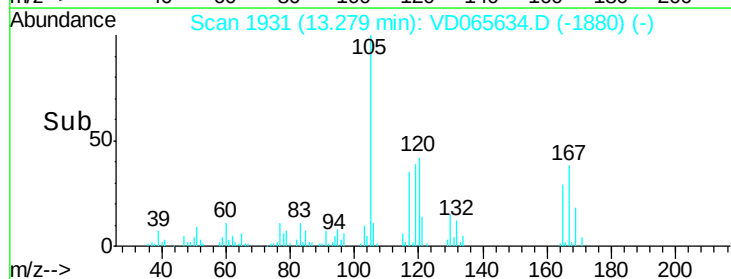
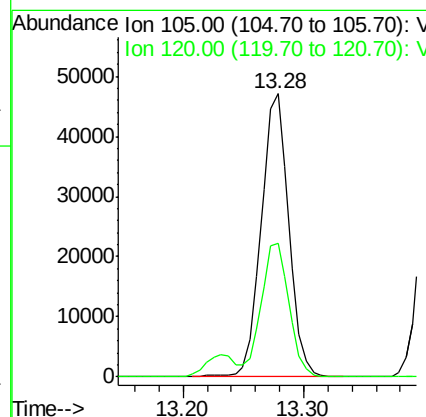
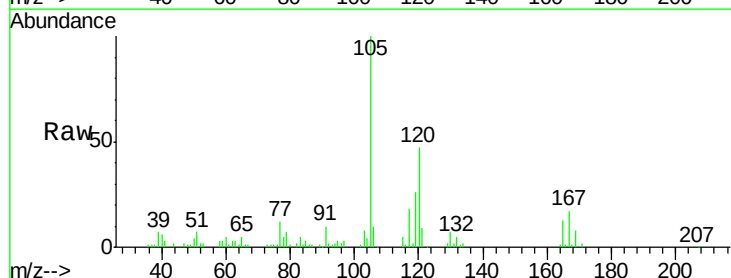
Manual Integrations
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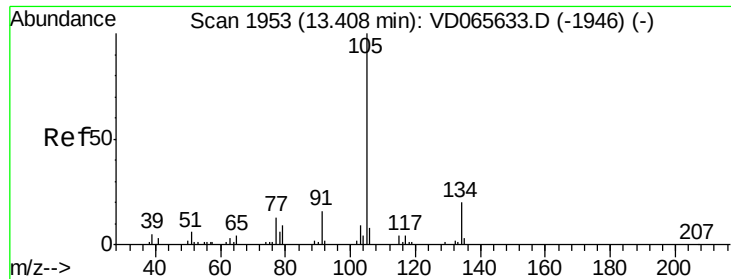
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 8.721 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.5	70.6





#85

sec-Butylbenzene

Concen: 8.780 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 90843

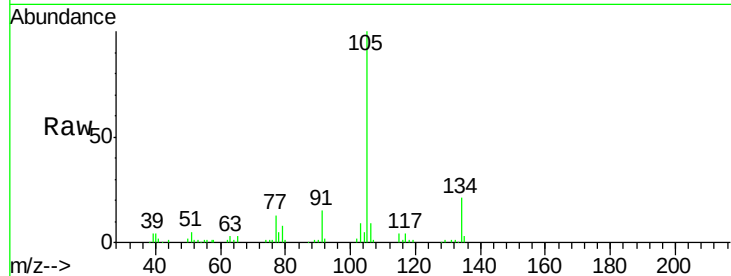
Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.4

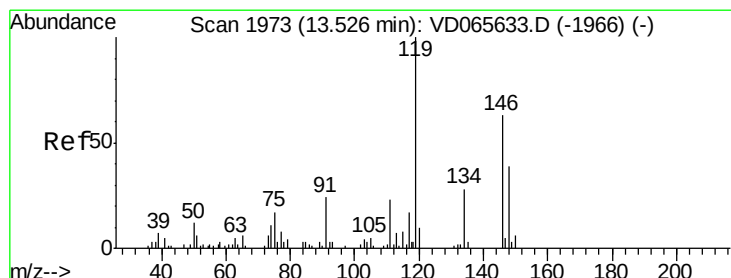
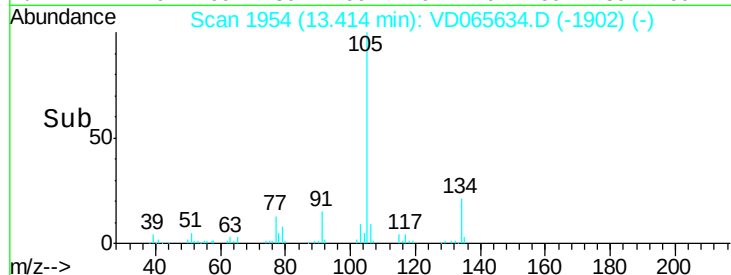
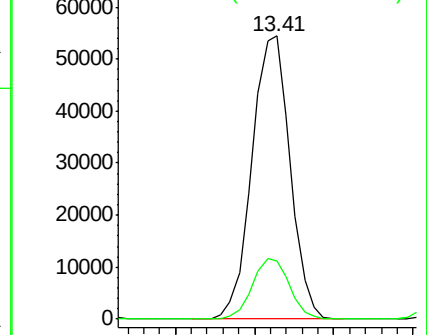
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.549 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065634.D

Acq: 15 Apr 2020 14:37

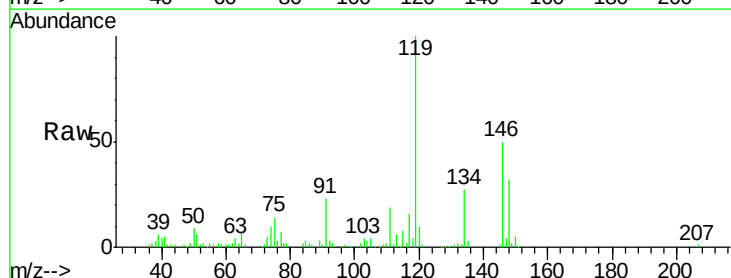
Tgt Ion:119 Resp: 91111

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

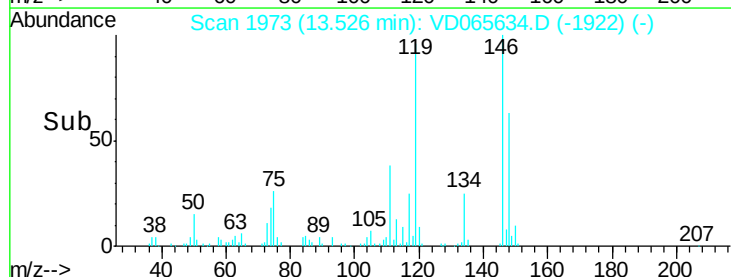
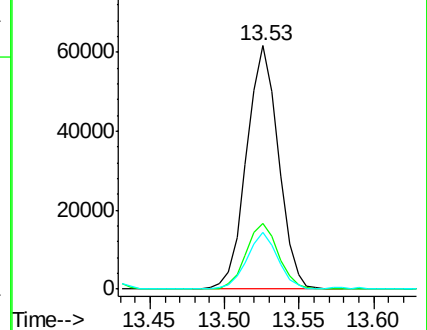
91 22.8 11.1 33.3

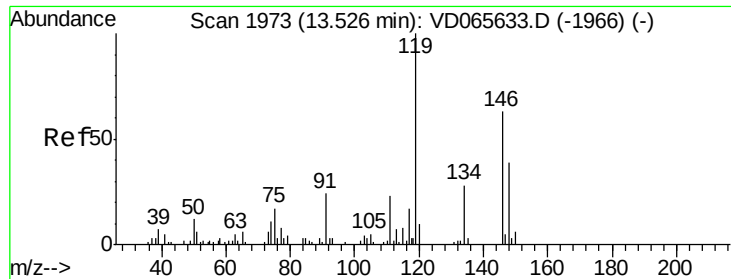


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





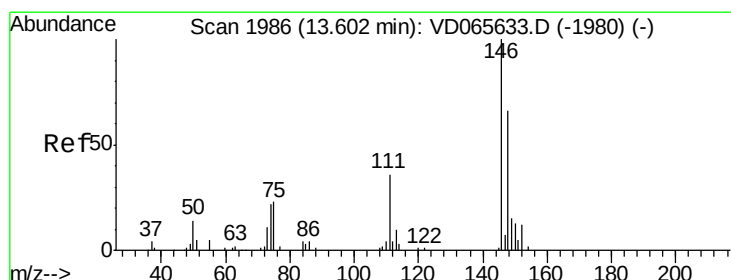
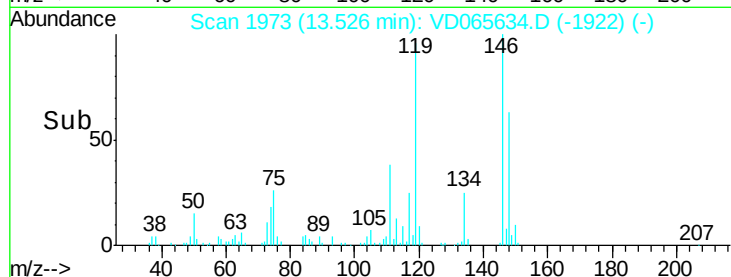
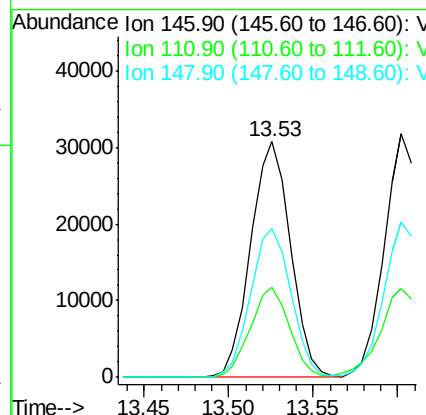
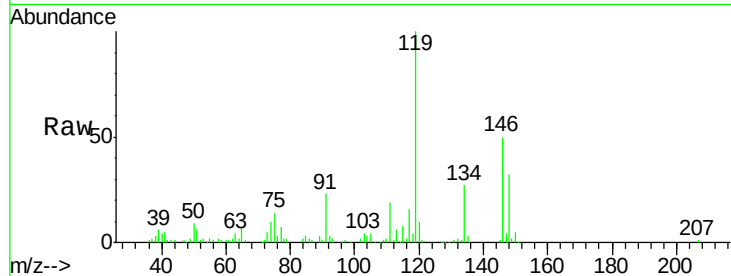
#87
 1,3-Dichlorobenzene
 Concen: 9.184 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.6
148	64.4	31.6	94.8

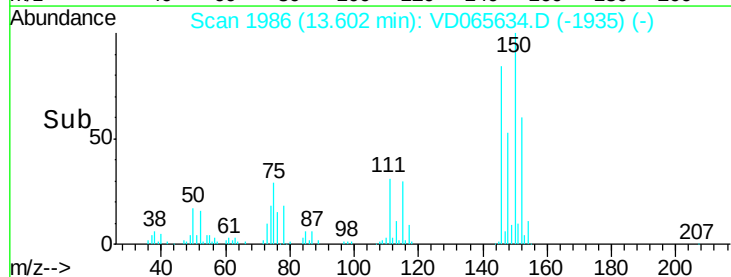
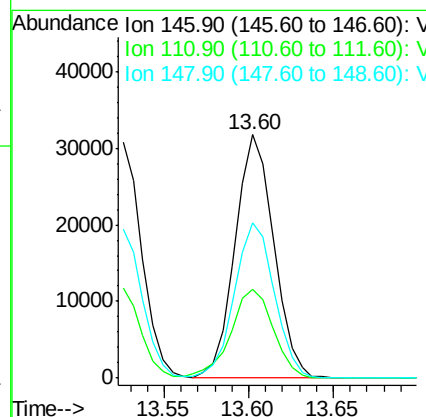
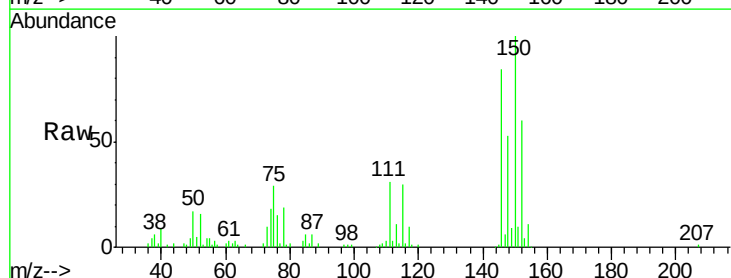
Manual Integrations
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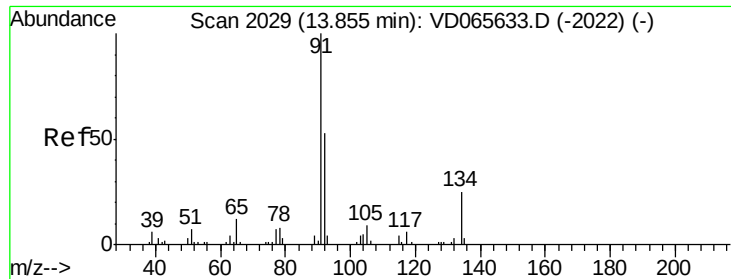
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#88
 1,4-Dichlorobenzene
 Concen: 9.263 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.0	54.0
148	65.6	31.4	94.2





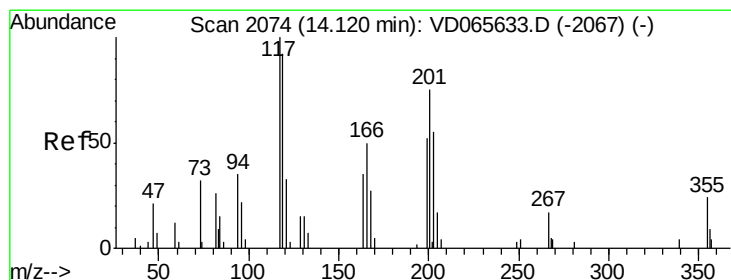
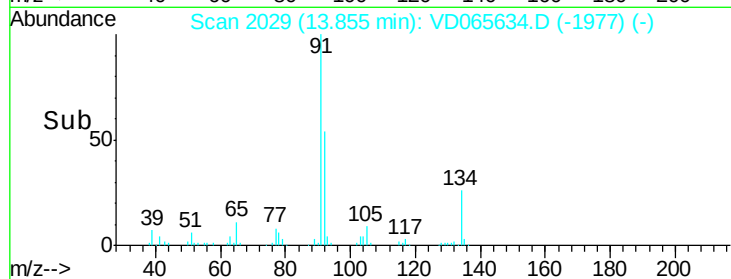
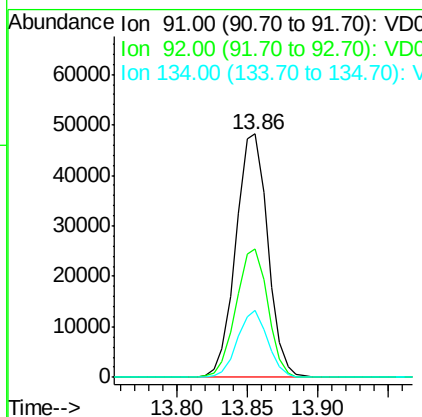
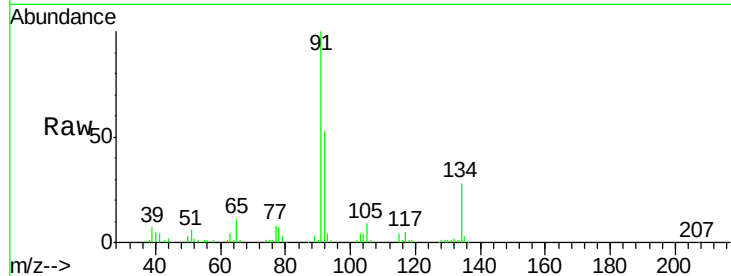
#89
n-Butylbenzene
Concen: 8.806 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.9	80.6
134	25.8	13.6	40.8

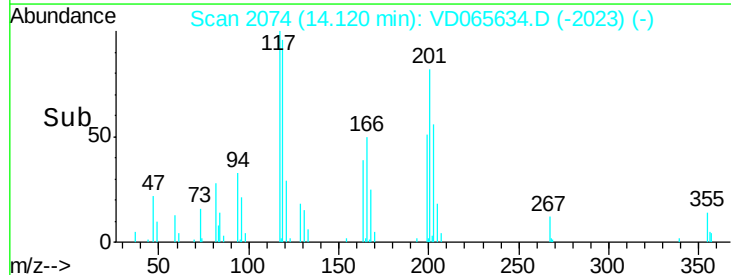
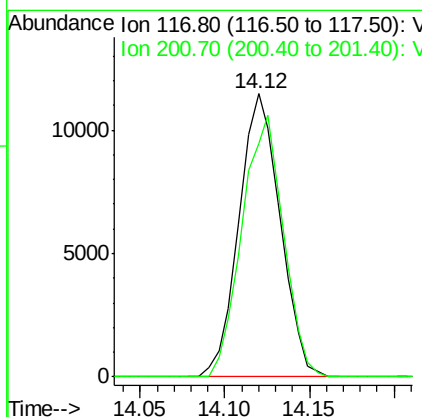
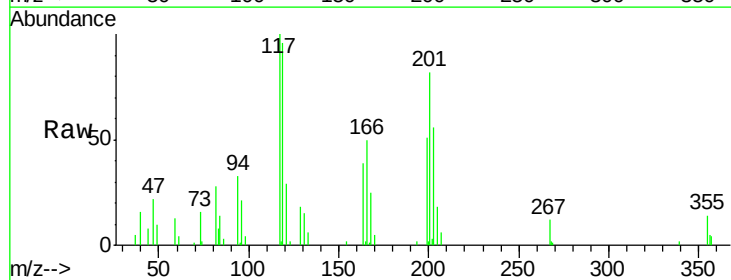
Manual Integrations
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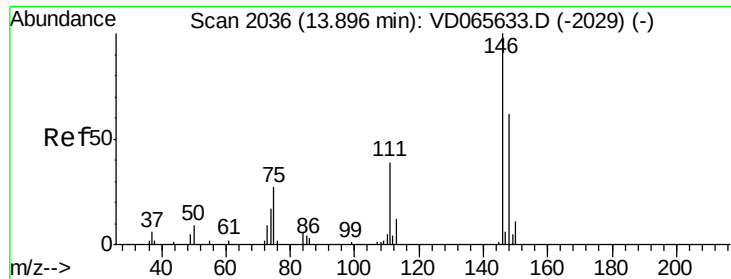
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4/16/2020 3:13:32 PM



#90
Hexachloroethane
Concen: 9.336 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.4	44.9	134.7





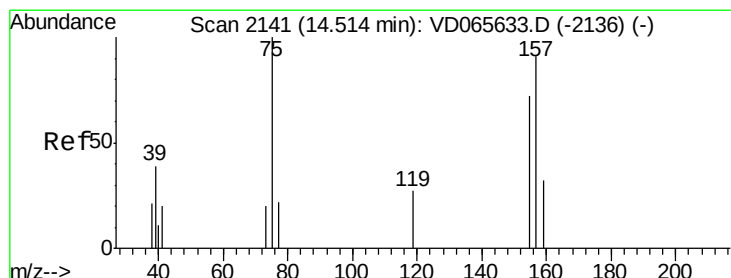
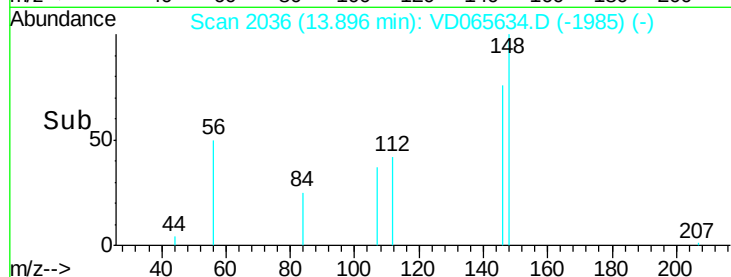
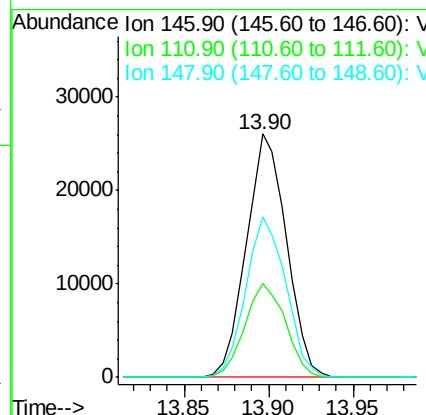
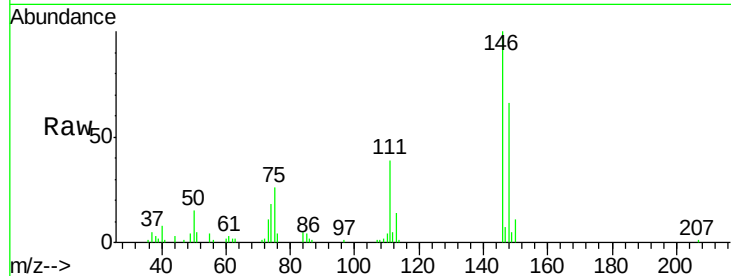
#91
 1,2-Dichlorobenzene
 Concen: 9.164 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.9
148	65.9	32.0	96.0

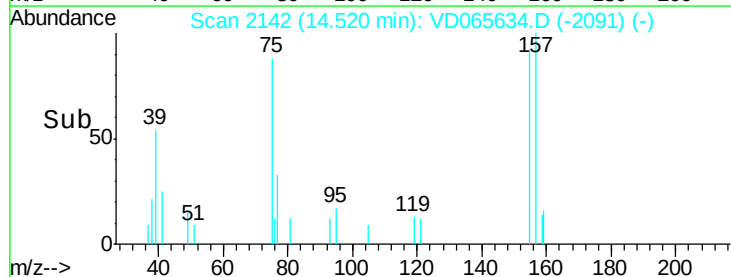
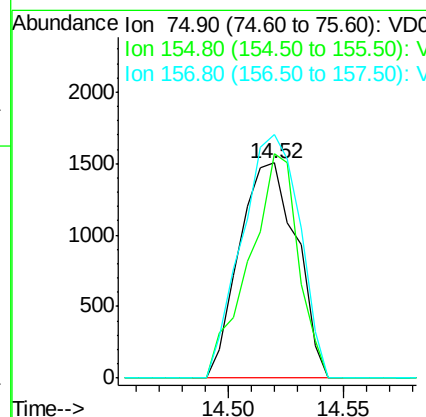
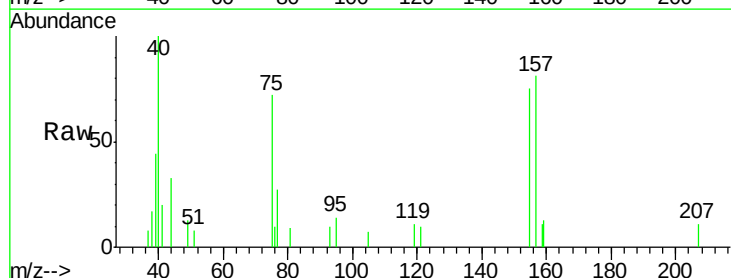
Manual Integrations
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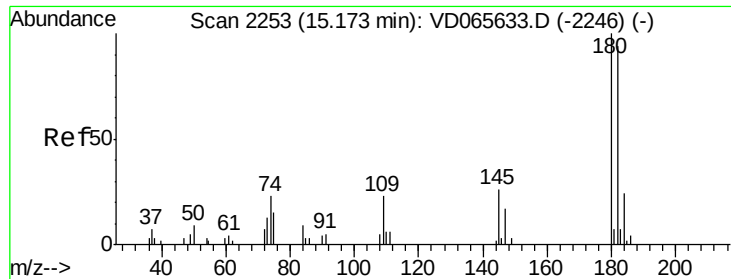
MMDadoda
 4/16/2020 3:13:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.628 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	48.0	144.2
157	114.2	59.2	177.6





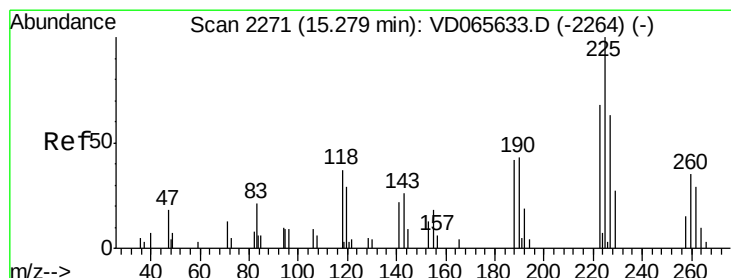
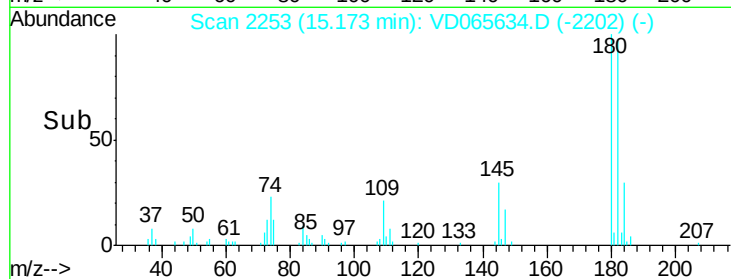
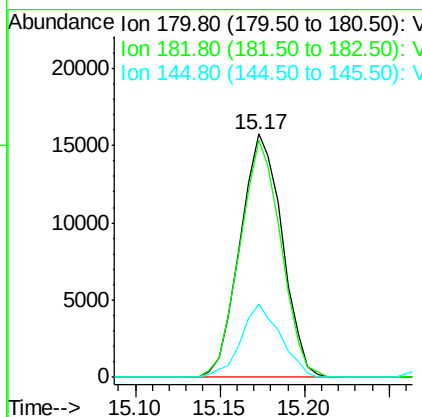
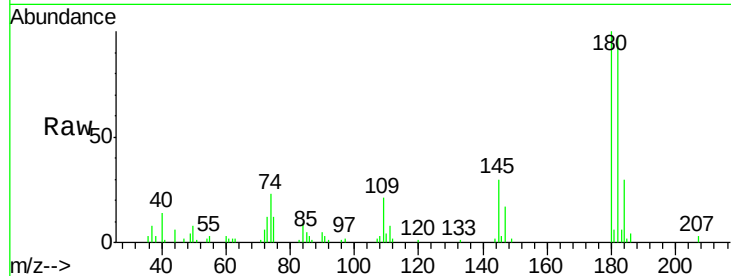
#93
 1,2,4-Trichlorobenzene
 Concen: 8.793 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.9	146.6
145	28.5	13.8	41.3

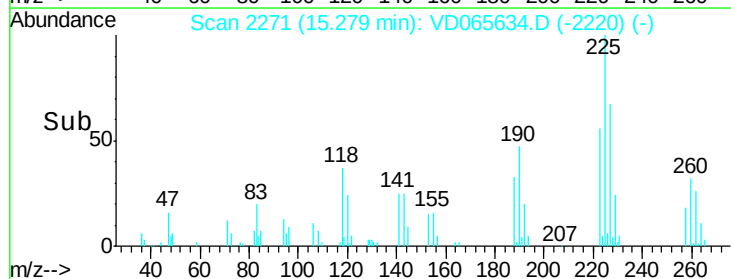
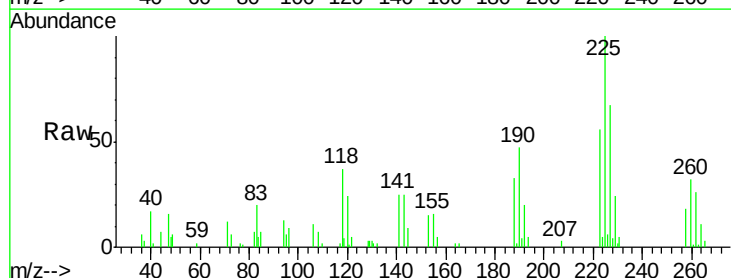
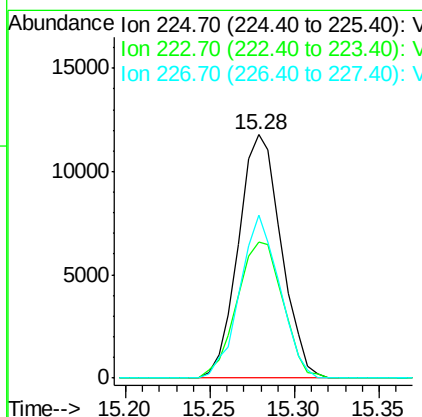
Manual Integrations
 APPROVED

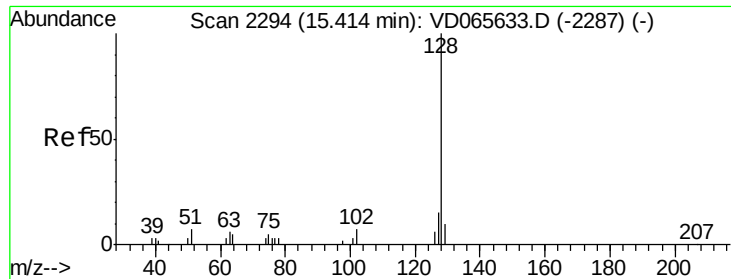
MMDadoda
 4/16/2020 3:13:32 PM



#94
 Hexachlorobutadiene
 Concen: 9.662 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065634.D
 Acq: 15 Apr 2020 14:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.8	31.9	95.5
227	62.2	32.0	96.2





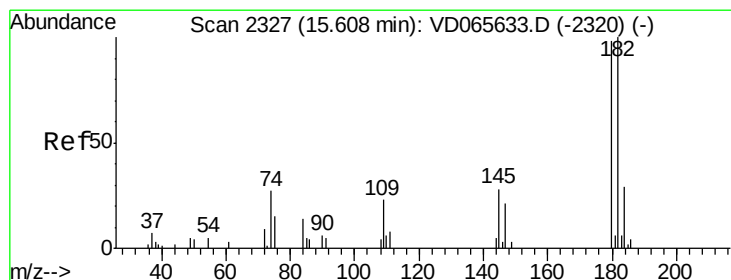
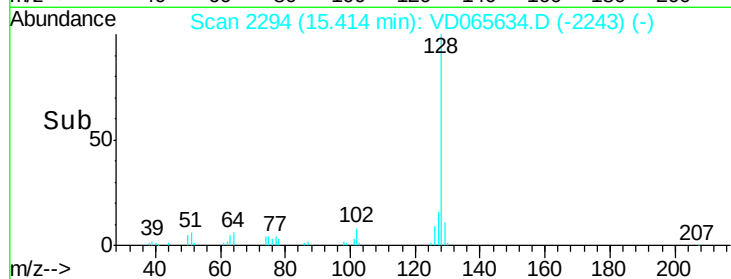
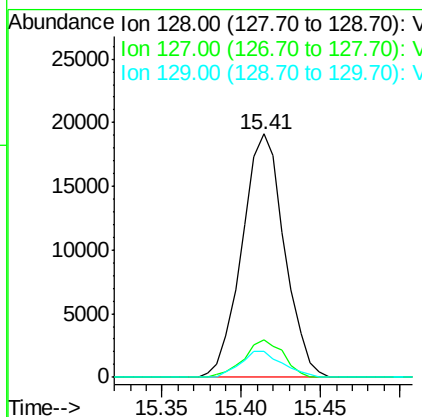
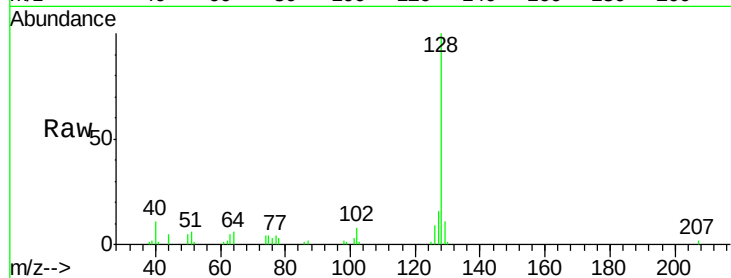
#95
Naphthalene
Concen: 7.794 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:	128	Resp:	35501
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.6	16.0
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 8.815 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065634.D
Acq: 15 Apr 2020 14:37

Tgt Ion:	180	Resp:	23920
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.8	143.3
145	29.6	15.0	45.0

