

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064174.D
 Acq On : 11 Nov 2019 13:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 10:25:40 AM

Quant Time: Nov 12 02:55:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	733362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1047392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	904410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	440959	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	281181	46.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.24%	
35) Dibromofluoromethane	7.91	113	283968	47.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.46%	
50) Toluene-d8	10.34	98	1085595	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.64	95	359195	45.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	296707	48.782	ug/l	100
3) Chloromethane	2.21	50	333085	51.055	ug/l	98
4) Vinyl Chloride	2.35	62	371309	53.222	ug/l	100
5) Bromomethane	2.77	94	240520	54.597	ug/l	96
6) Chloroethane	2.93	64	239278	53.675	ug/l	100
7) Trichlorofluoromethane	3.27	101	582796	51.524	ug/l	98
8) Diethyl Ether	3.71	74	147802	47.523	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	313313	48.463	ug/l	99
10) Methyl Iodide	4.29	142	372581	50.466	ug/l	99
11) Tert butyl alcohol	5.24	59	98993	234.986	ug/l	99
12) 1,1-Dichloroethene	4.06	96	311463	50.544	ug/l	93
13) Acrolein	3.92	56	80037	224.580	ug/l	96
14) Allyl chloride	4.71	41	557806	51.196	ug/l	98
15) Acrylonitrile	5.43	53	308830	232.924	ug/l	100
16) Acetone	4.17	43	393466	275.371	ug/l	98
17) Carbon Disulfide	4.40	76	990951	51.637	ug/l	99
18) Methyl Acetate	4.72	43	183799	46.055	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	705427	47.952	ug/l	98
20) Methylene Chloride	4.97	84	324950	45.022	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	349601	50.074	ug/l	99
22) Diisopropyl ether	6.37	45	1014819	50.200	ug/l	98
23) Vinyl Acetate	6.31	43	2819198	250.179	ug/l	99
24) 1,1-Dichloroethane	6.27	63	604787	51.525	ug/l	99
25) 2-Butanone	7.22	43	436038	236.206	ug/l	98
26) 2,2-Dichloropropane	7.21	77	581957	50.556	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	380243	50.787	ug/l	99
28) Bromochloromethane	7.55	49	222830	54.528	ug/l	98
29) Tetrahydrofuran	7.57	42	256209	231.002	ug/l	100
30) Chloroform	7.71	83	611172	50.903	ug/l	100
31) Cyclohexane	7.98	56	558466	47.176	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	582420	50.660	ug/l	99
36) 1,1-Dichloropropene	8.11	75	488030	50.486	ug/l	99
37) Ethyl Acetate	7.30	43	184490	45.272	ug/l	98
38) Carbon Tetrachloride	8.10	117	523099	50.573	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	591664	48.372	ug/l	99
40) Benzene	8.35	78	1333594	50.479	ug/l	99
41) Methacrylonitrile	7.53	41	112494	43.920	ug/l	94
42) 1,2-Dichloroethane	8.43	62	385218	48.549	ug/l	99
43) Isopropyl Acetate	8.46	43	385468	45.908	ug/l	99
44) Trichloroethene	9.11	130	400024	50.450	ug/l	97
45) 1,2-Dichloropropane	9.39	63	323655	50.333	ug/l	95
46) Dibromomethane	9.48	93	165018	47.936	ug/l	99
47) Bromodichloromethane	9.67	83	459151	49.516	ug/l	99
48) Methyl methacrylate	9.46	41	185903	45.279	ug/l	100
49) 1,4-Dioxane	9.47	88	36710	887.913	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	922568	229.124	ug/l	99
52) Toluene	10.40	92	872227	50.209	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	453759	48.845	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	541752	49.975	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	223948	47.955	ug/l	97
56) Ethyl methacrylate	10.66	69	308288	47.191	ug/l	97
57) 1,3-Dichloropropane	10.95	76	395065	48.507	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	588569	222.418	ug/l	99
59) 2-Hexanone	10.99	43	678846	236.975	ug/l	100
60) Dibromochloromethane	11.14	129	310776	47.692	ug/l	99
61) 1,2-Dibromoethane	11.25	107	222424	47.552	ug/l	100
64) Tetrachloroethene	10.88	164	342106	49.183	ug/l	99
65) Chlorobenzene	11.67	112	902226	49.057	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	342586	48.989	ug/l	99
67) Ethyl Benzene	11.75	91	1674270	50.329	ug/l	100
68) m/p-Xylenes	11.86	106	1288660	101.062	ug/l	99
69) o-Xylene	12.18	106	579464	48.999	ug/l	97
70) Styrene	12.20	104	1019570	49.391	ug/l	100
71) Bromoform	12.37	173	187737	47.172	ug/l #	98
73) Isopropylbenzene	12.48	105	1618933	50.019	ug/l	99
74) N-amyl acetate	12.29	43	354308	46.356	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	225956	46.331	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	170570m	48.024	ug/l	
77) Bromobenzene	12.76	156	386986	49.215	ug/l	100
78) n-propylbenzene	12.83	91	1863456	50.392	ug/l	100
79) 2-Chlorotoluene	12.91	91	1038847	49.759	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1336457	50.251	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	85732	47.947	ug/l	98
82) 4-Chlorotoluene	13.01	91	1103938	50.696	ug/l	99
83) tert-Butylbenzene	13.23	119	1173351	50.034	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1307282	49.789	ug/l	100
85) sec-Butylbenzene	13.41	105	1576814	50.062	ug/l	99
86) p-Isopropyltoluene	13.52	119	1485613	49.613	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	715965	49.051	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	705413	49.517	ug/l	99
89) n-Butylbenzene	13.85	91	1367772	50.559	ug/l	99
90) Hexachloroethane	14.11	117	273826	49.481	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	601132	48.658	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	39361	45.140	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	462782	48.559	ug/l	99
94) Hexachlorobutadiene	15.27	225	299586	48.668	ug/l	98
95) Naphthalene	15.41	128	722327	46.236	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	392136	48.405	ug/l	98

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

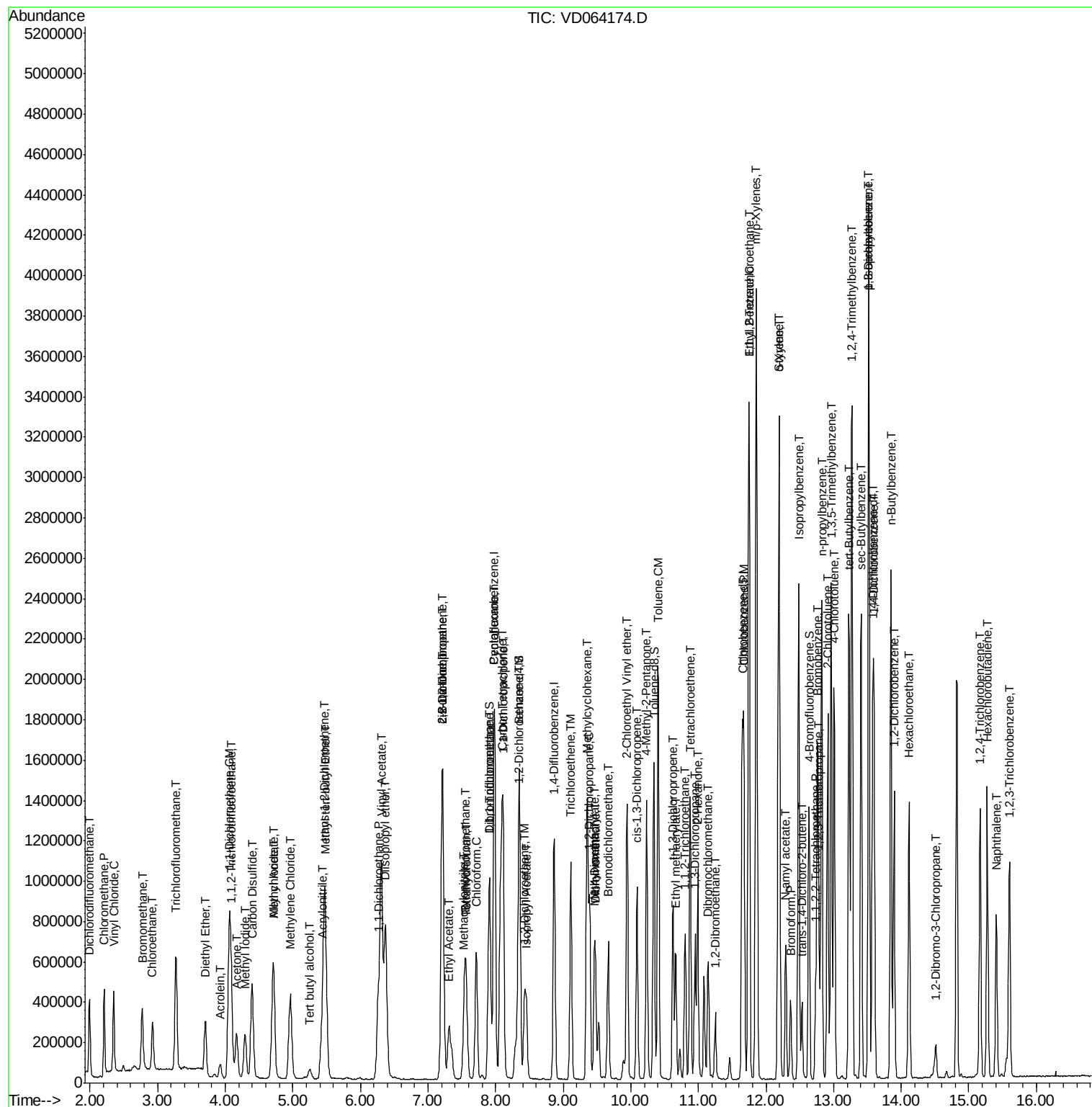
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111119\
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 Operator : VA/SY
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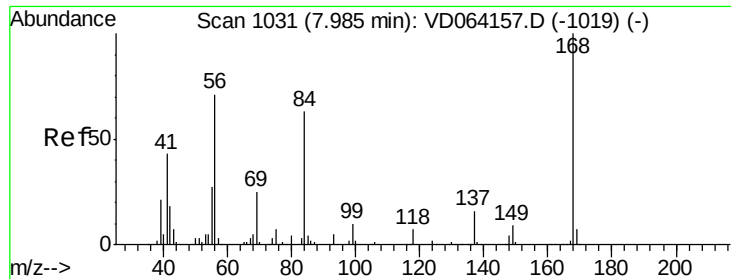
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 733362

Ion Ratio Lower Upper

168 100

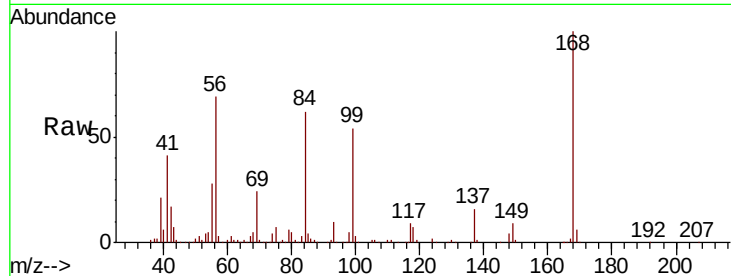
99 53.9 41.6 62.4

Manual Integrations

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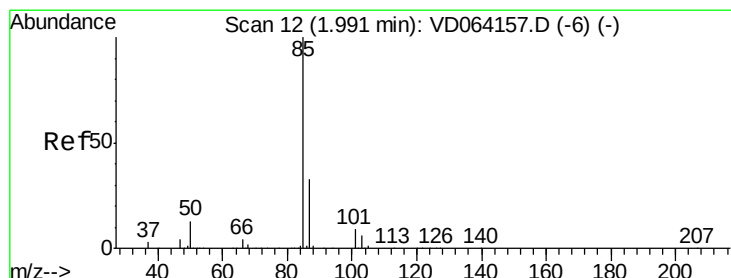
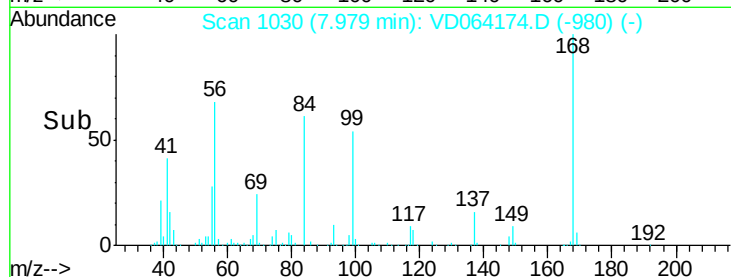
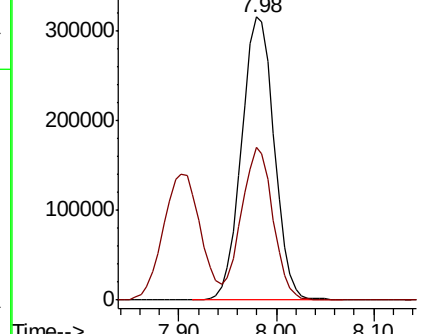
MMDadoda

11/12/2019 10:25:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.782 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064174.D

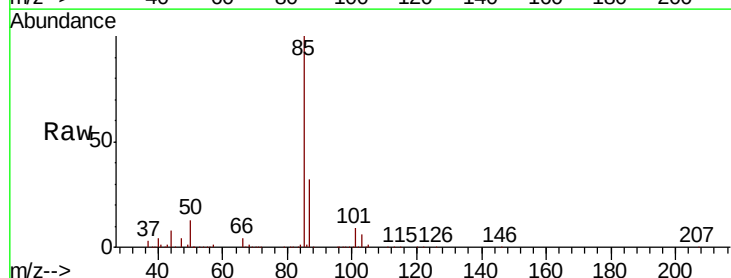
Acq: 11 Nov 2019 13:16

Tgt Ion: 85 Resp: 296707

Ion Ratio Lower Upper

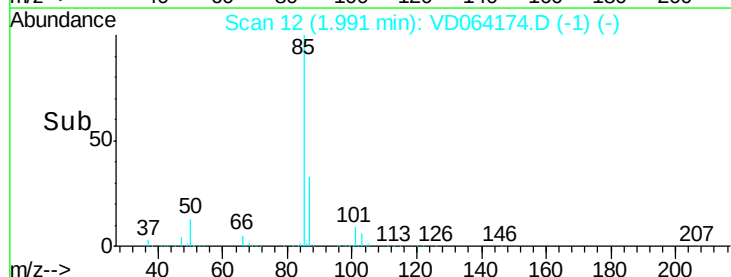
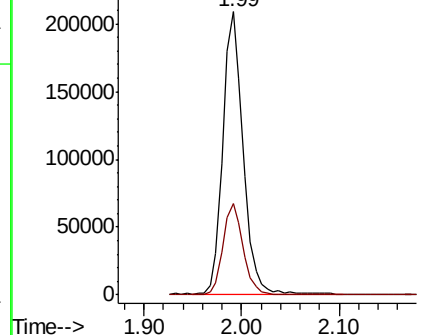
85 100

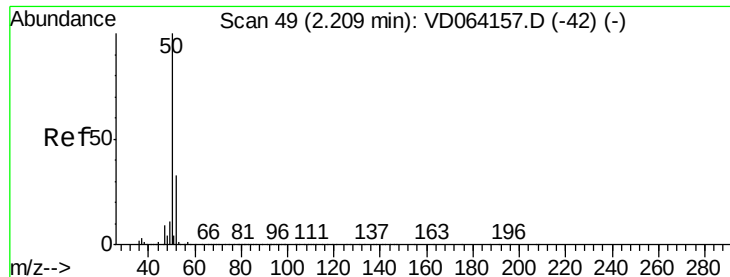
87 32.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 51.055 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 333085

Ion Ratio Lower Upper

50 100

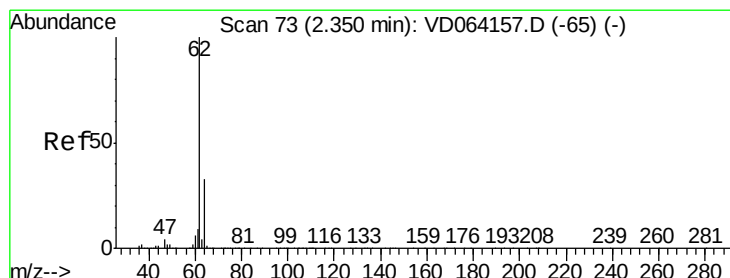
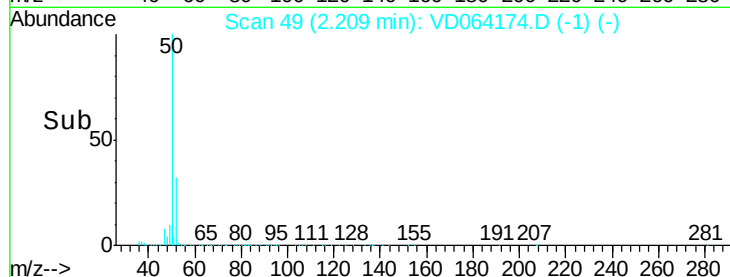
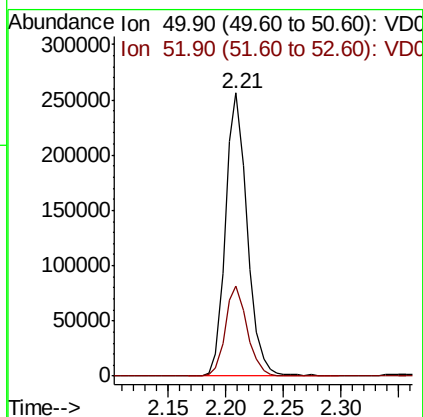
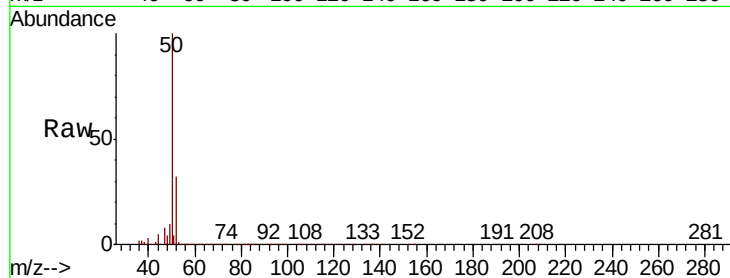
52 31.9 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.222 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064174.D

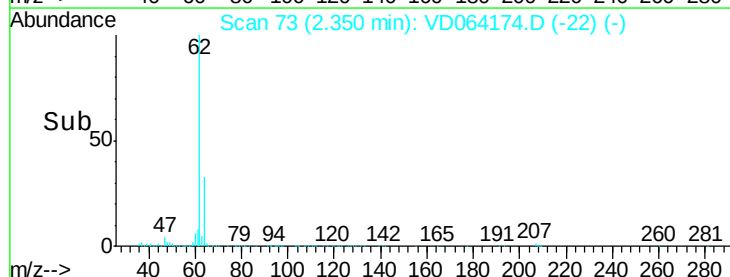
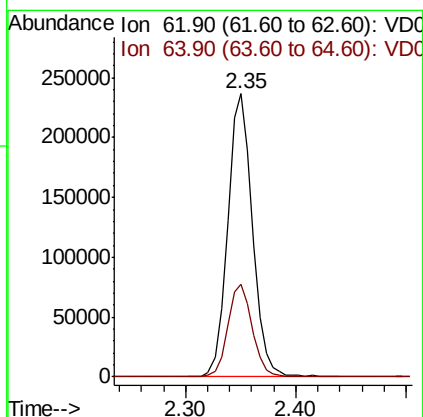
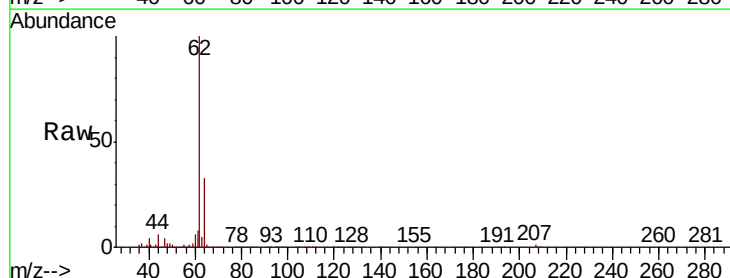
Acq: 11 Nov 2019 13:16

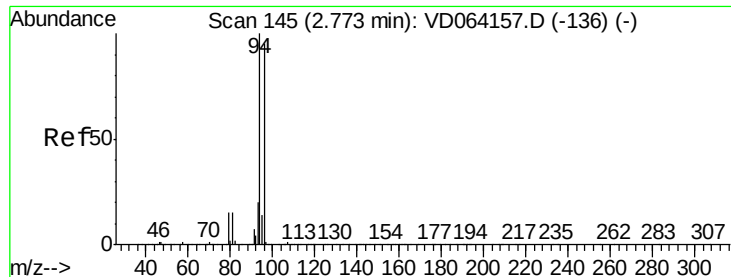
Tgt Ion: 62 Resp: 371309

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2





#5

Bromomethane

Concen: 54.597 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 240520

Ion Ratio Lower Upper

94 100

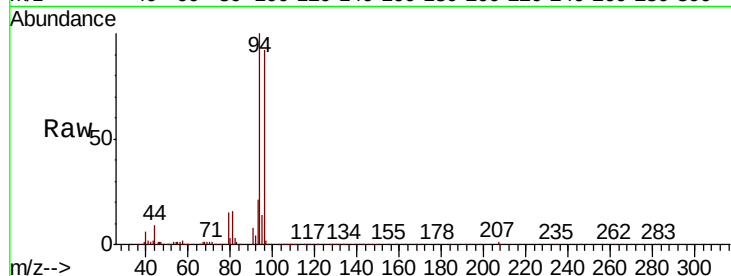
96 91.8 76.2 114.4

Manual Integrations

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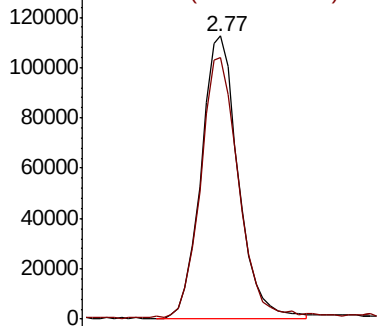
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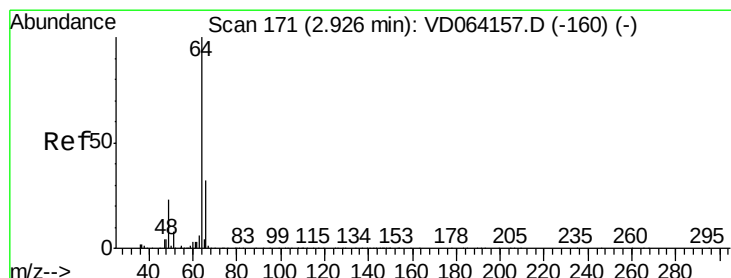
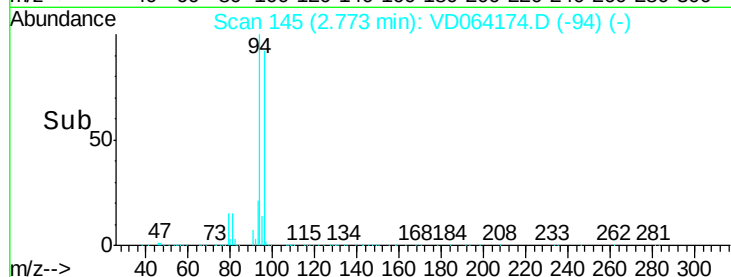


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 53.675 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064174.D

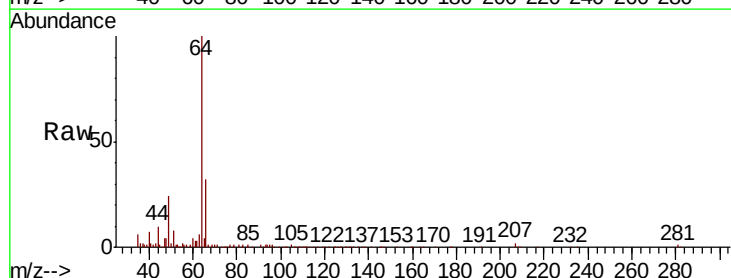
Acq: 11 Nov 2019 13:16

Tgt Ion: 64 Resp: 239278

Ion Ratio Lower Upper

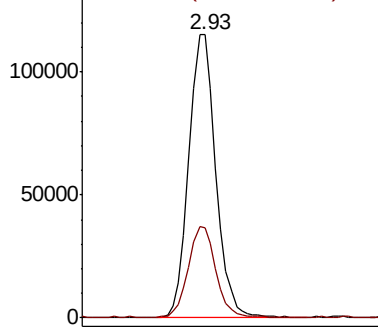
64 100

66 31.8 25.5 38.3

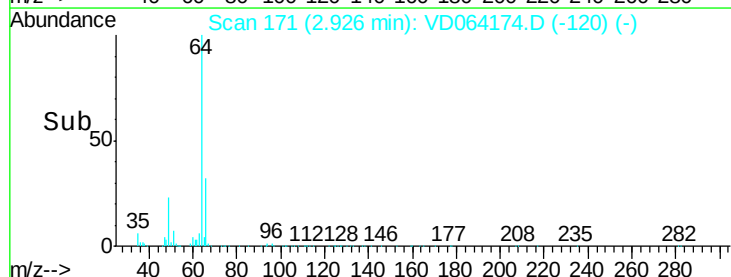


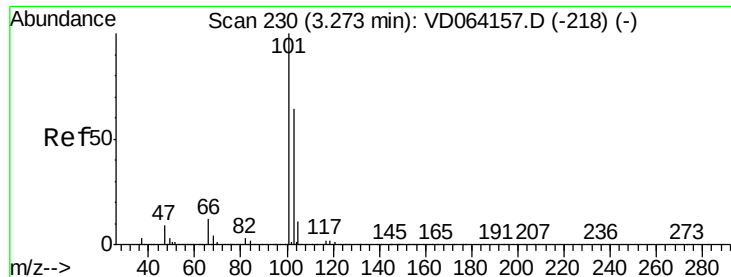
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

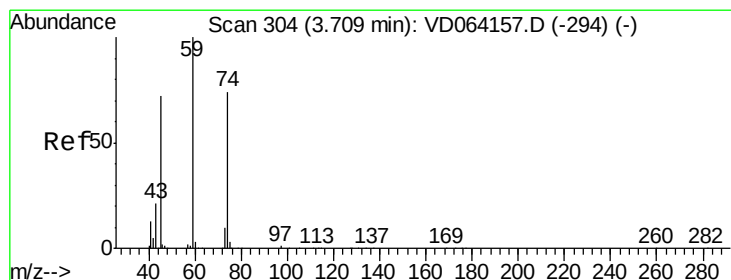
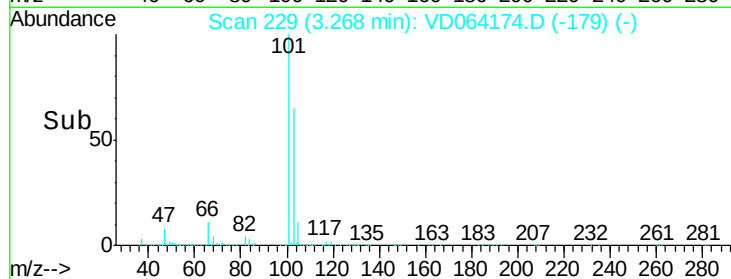
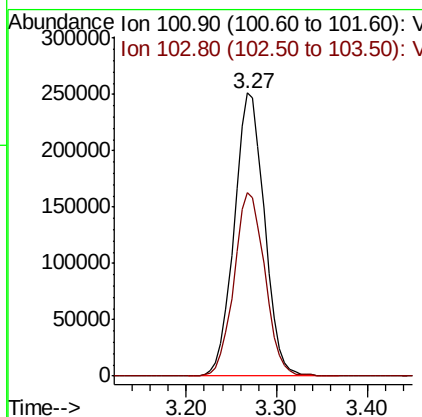
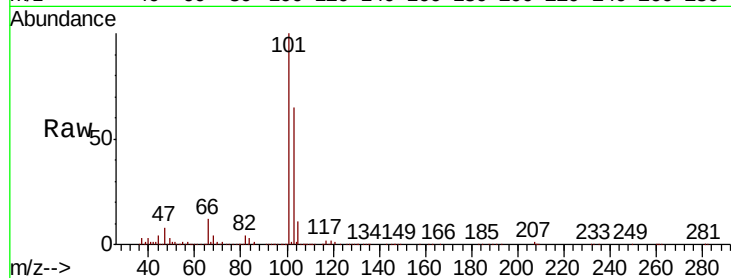
Trichlorofluoromethane
Concen: 51.524 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	50.8	76.2

Manual Integrations
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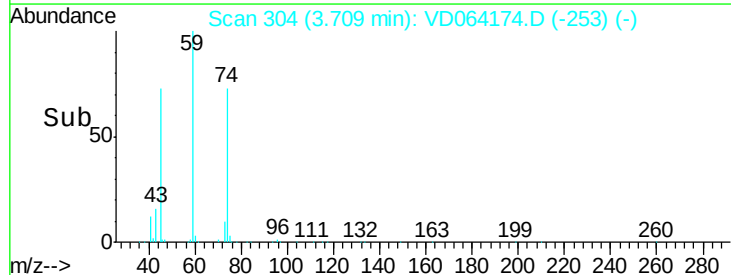
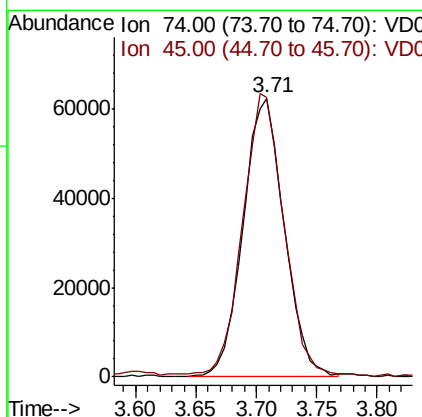
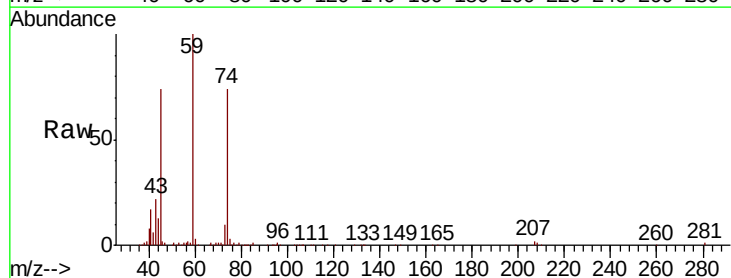
MMDadoda
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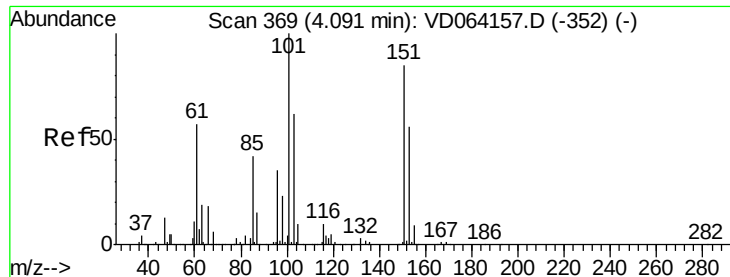


#8

Diethyl Ether
Concen: 47.523 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.463 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

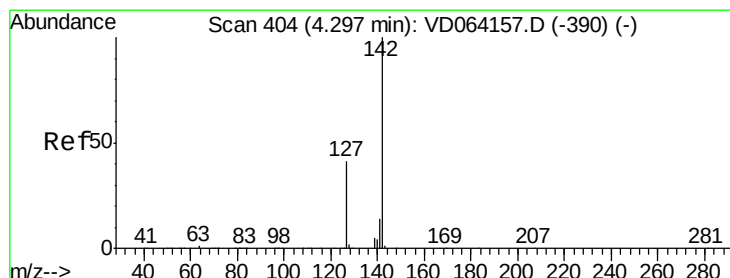
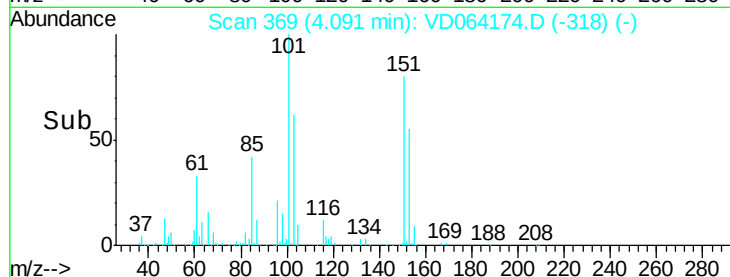
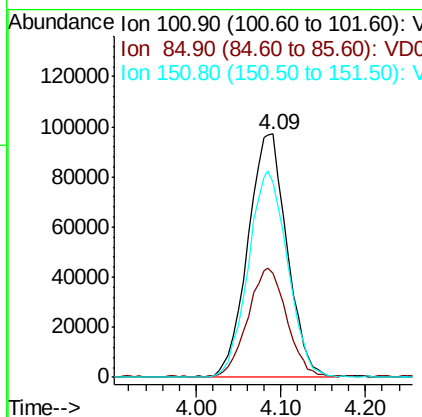
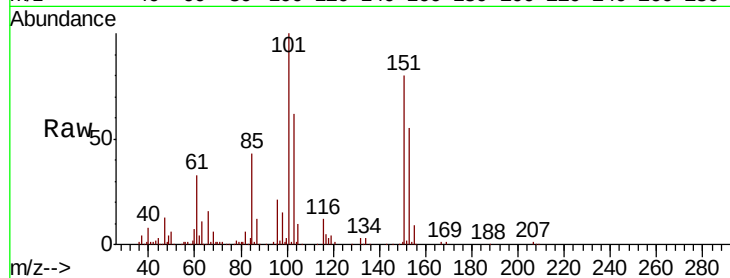
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	313313
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.4	51.6
151	85.2	68.1	102.1

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#10

Methyl Iodide

Concen: 50.466 ug/l

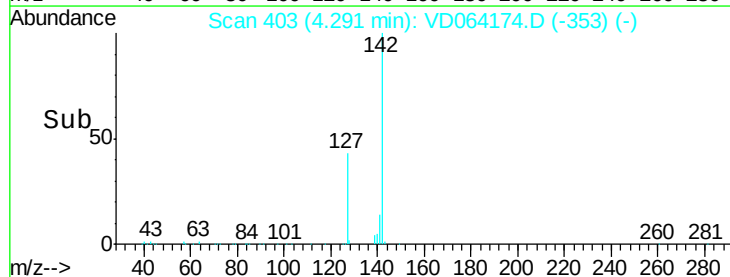
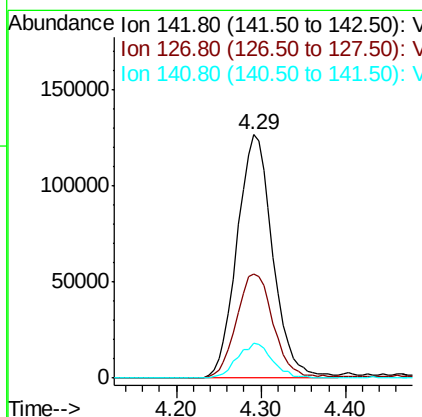
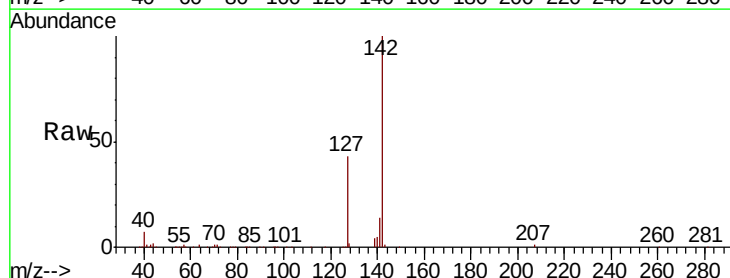
RT: 4.29 min Scan# 403

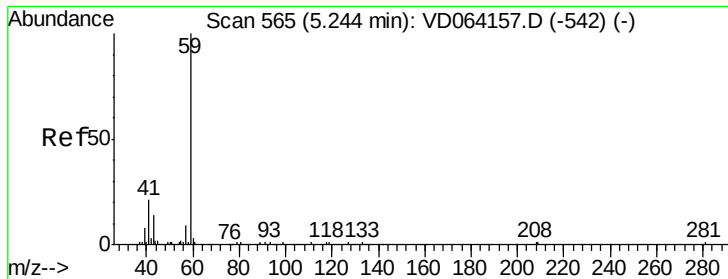
Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Tgt Ion:	142	Resp:	372581
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.4	51.6
141	14.3	11.2	16.8





#11

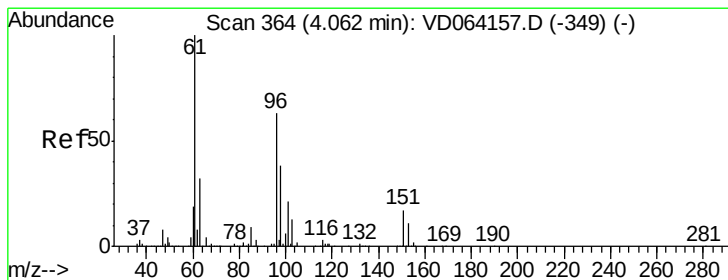
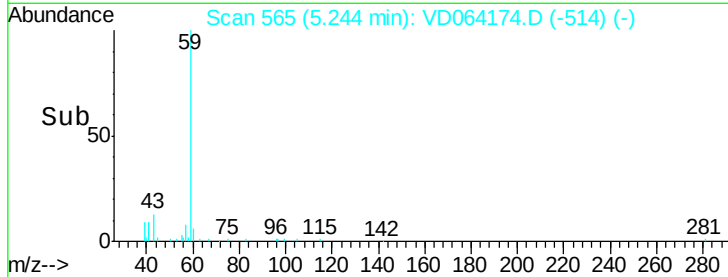
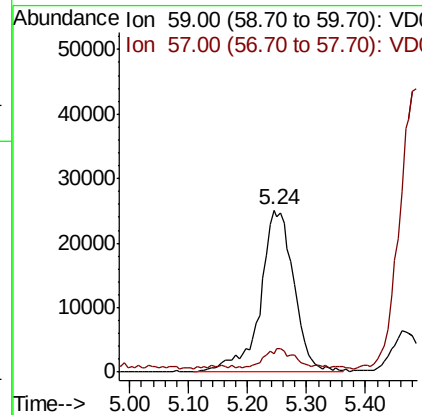
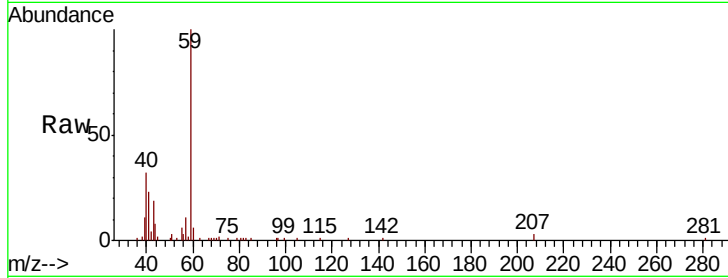
Tert butyl alcohol
Concen: 234.986 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.4	14.2

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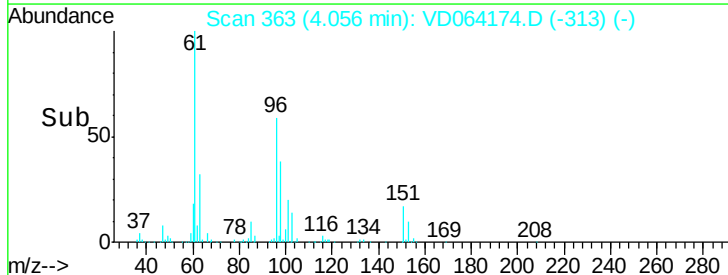
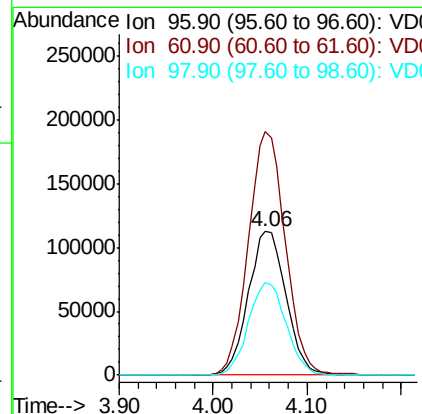
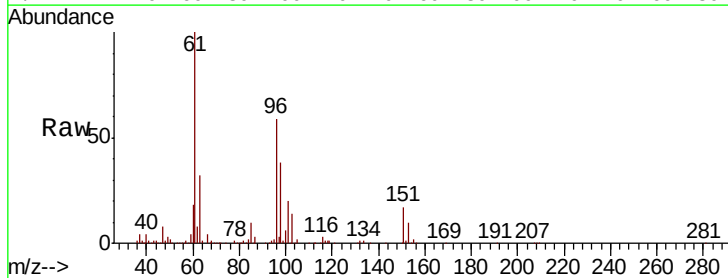
MMDadoda
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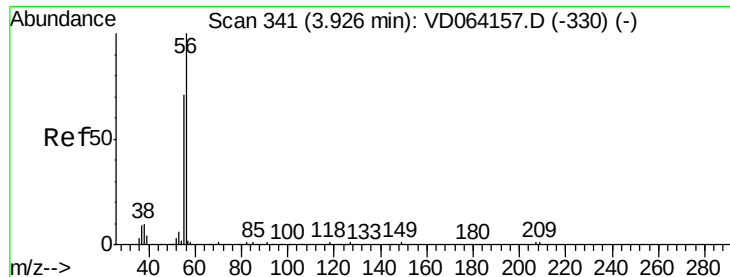


#12

1,1-Dichloroethene
Concen: 50.544 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.0	127.4	191.2
98	64.1	48.1	72.1





#13

Acrolein

Concen: 224.580 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 80037

Ion Ratio Lower Upper

56 100

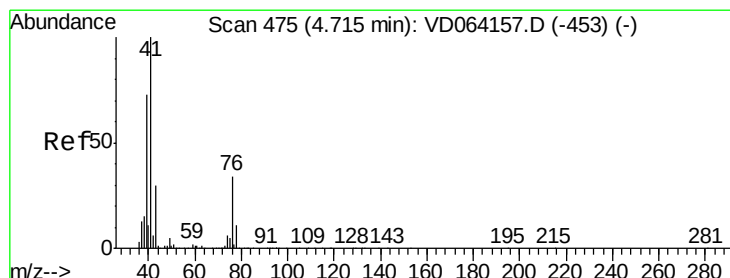
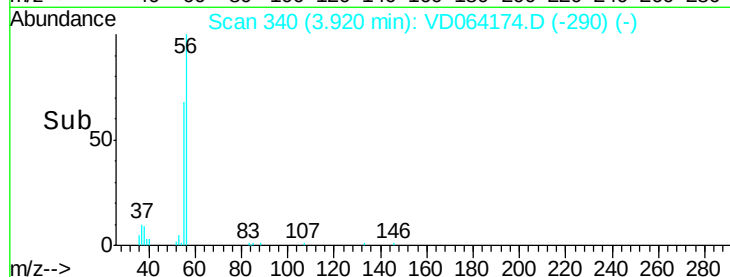
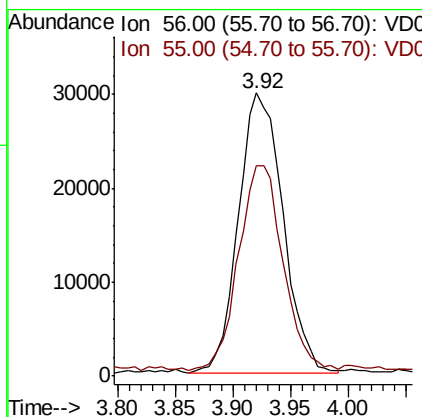
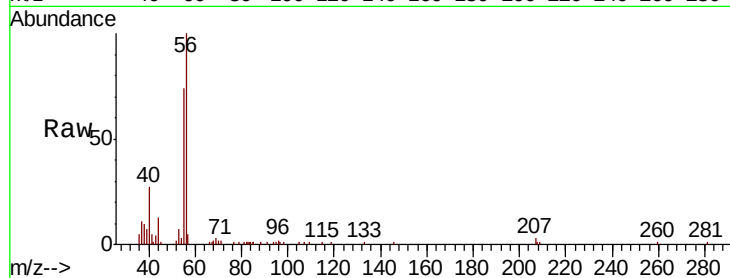
55 73.2 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 51.196 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

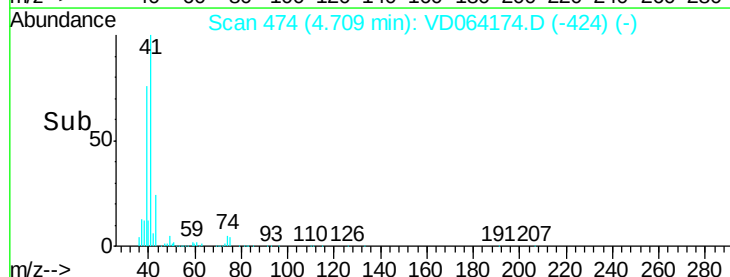
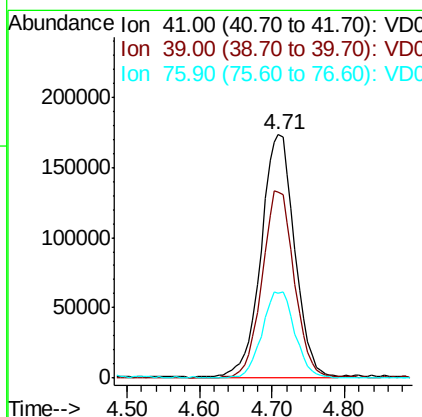
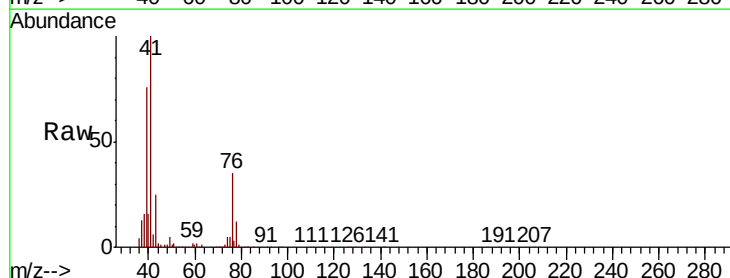
Tgt Ion: 41 Resp: 557806

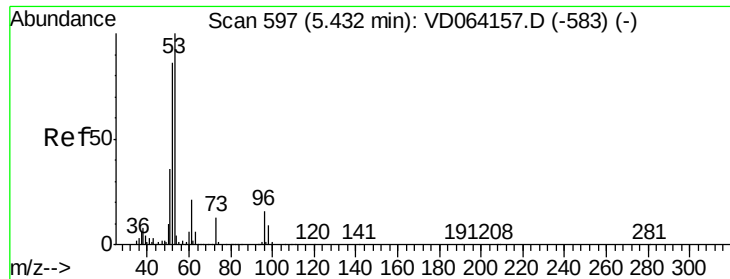
Ion Ratio Lower Upper

41 100

39 74.0 57.5 86.3

76 34.4 26.8 40.2





#15

Acrylonitrile

Concen: 232.924 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

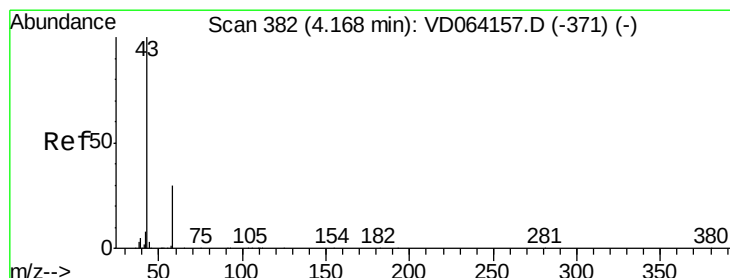
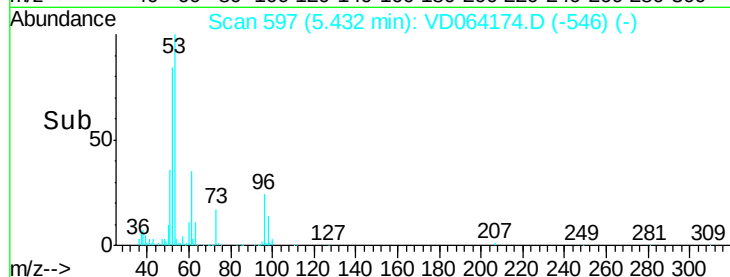
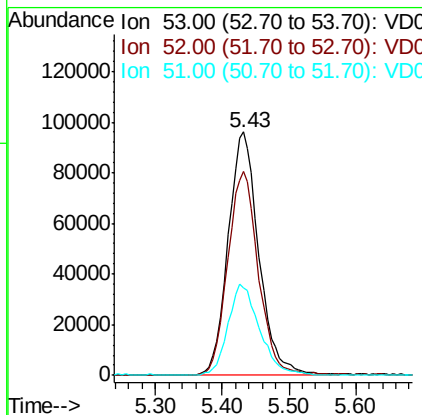
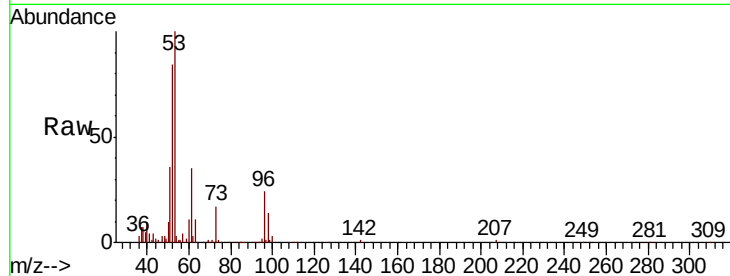
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	308830
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.7	100.1
51	38.6	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 275.371 ug/l

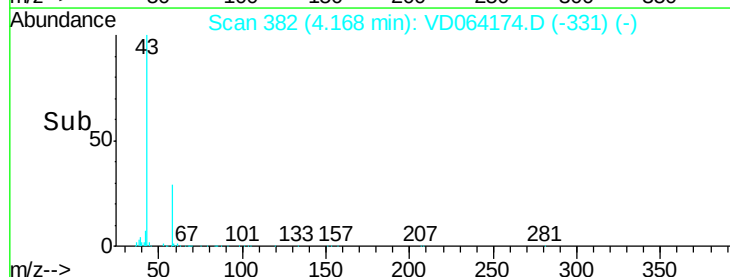
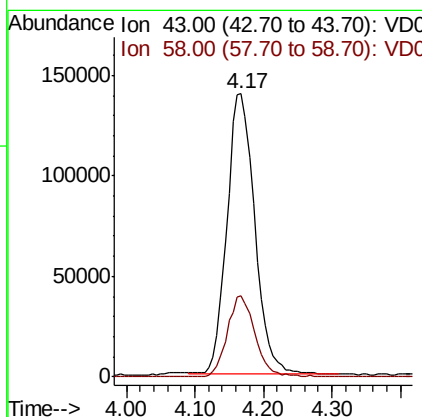
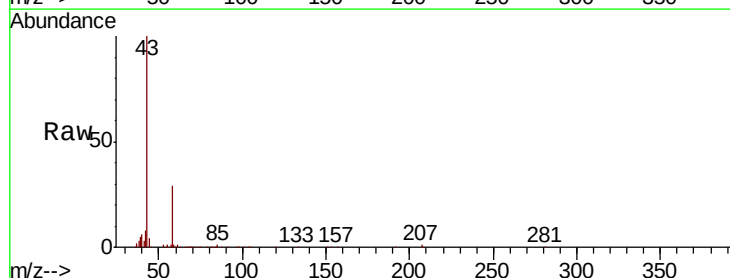
RT: 4.17 min Scan# 382

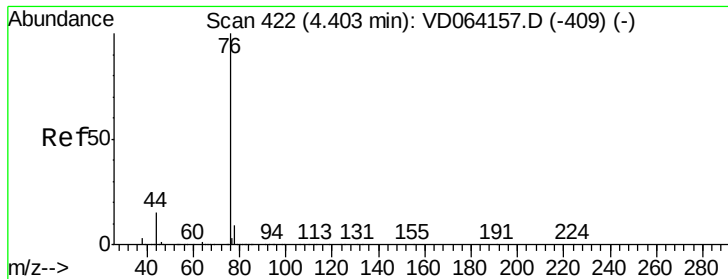
Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Tgt Ion:	43	Resp:	393466
Ion	Ratio	Lower	Upper
43	100		
58	29.0	24.1	36.1





#17

Carbon Disulfide

Concen: 51.637 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 990951

Ion Ratio Lower Upper

76 100

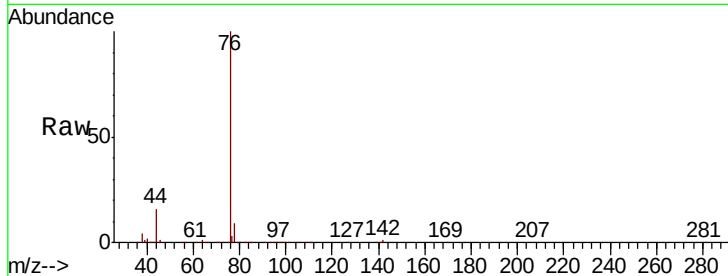
78 8.5 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

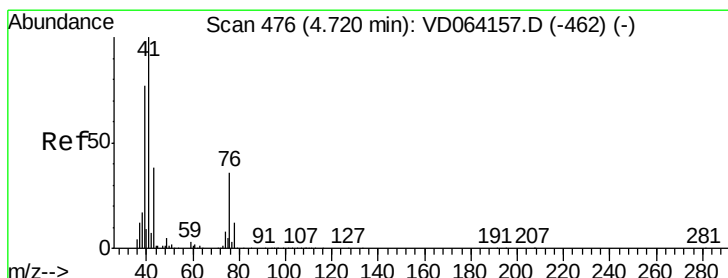
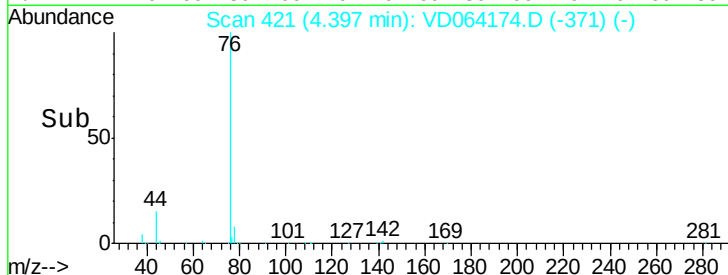
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 46.055 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064174.D

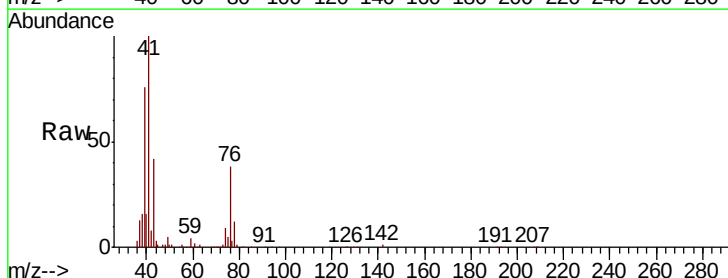
Acq: 11 Nov 2019 13:16

Tgt Ion: 43 Resp: 183799

Ion Ratio Lower Upper

43 100

74 23.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

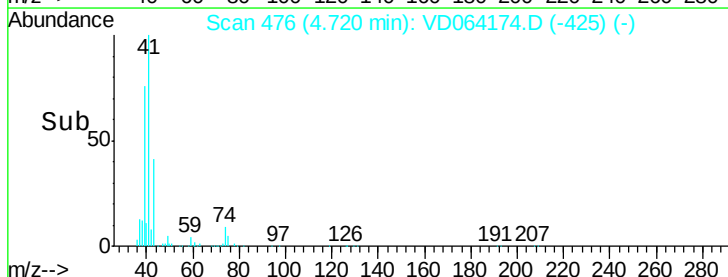
60000

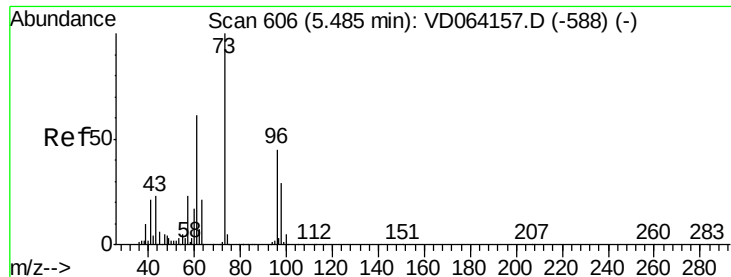
40000

20000

0

Time-->





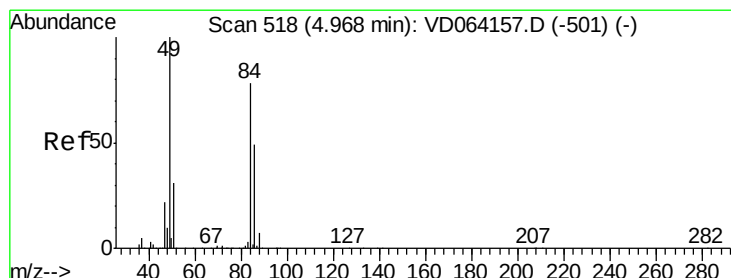
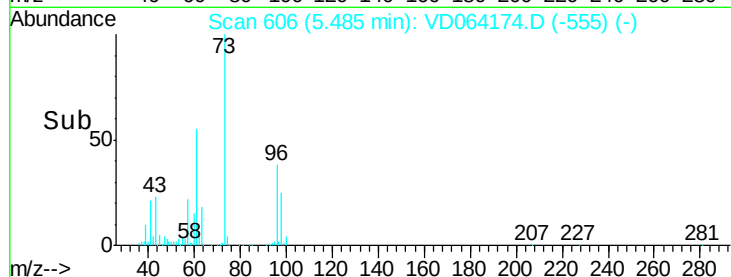
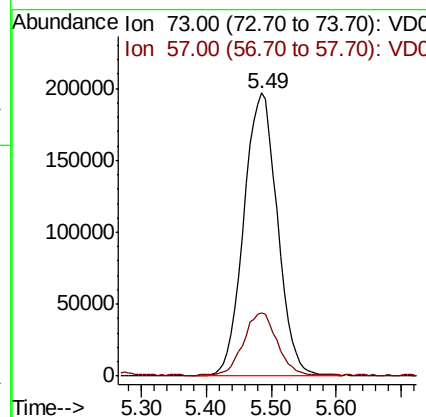
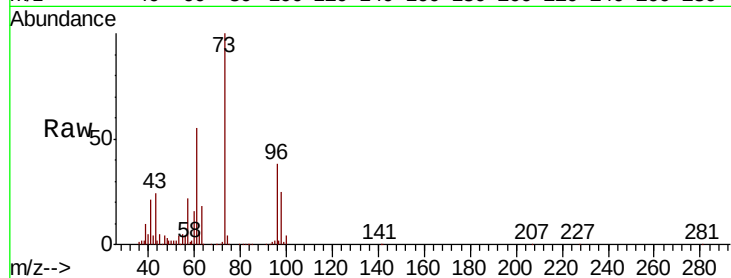
#19
Methyl tert-butyl Ether
Concen: 47.952 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 705427
Ion Ratio Lower Upper
73 100
57 22.0 18.4 27.6

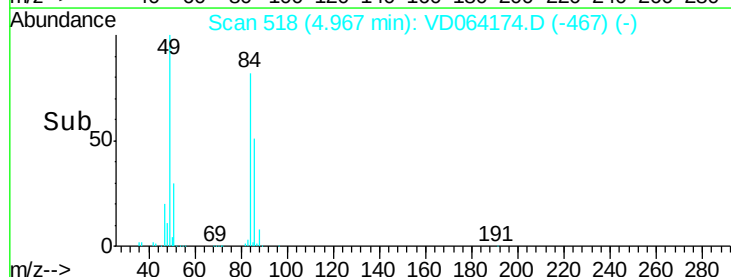
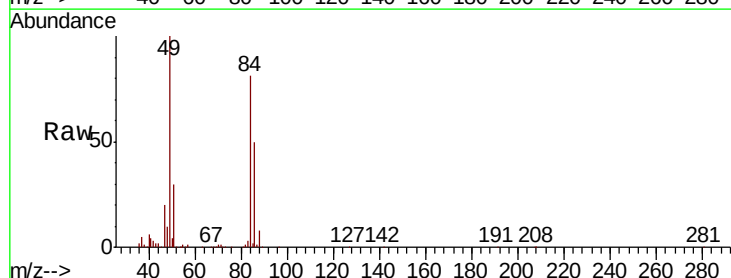
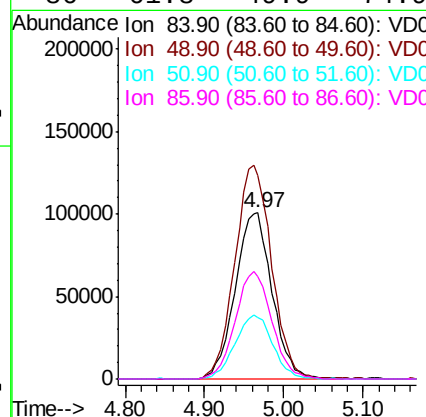
Manual Integrations
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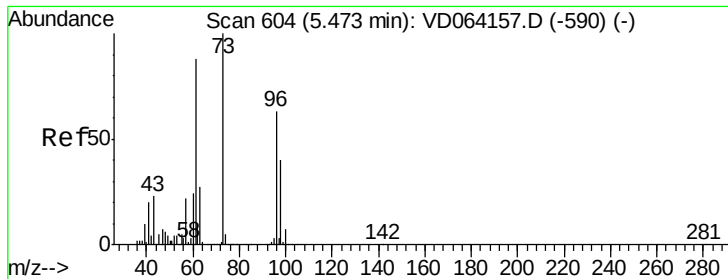
MMDadoda
11/12/2019 10:25:40 AM



#20
Methylene Chloride
Concen: 45.022 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 84 Resp: 324950
Ion Ratio Lower Upper
84 100
49 122.8 102.1 153.1
51 36.9 32.2 48.2
86 61.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 50.074 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

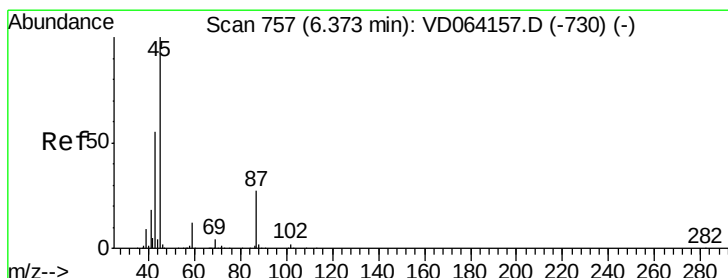
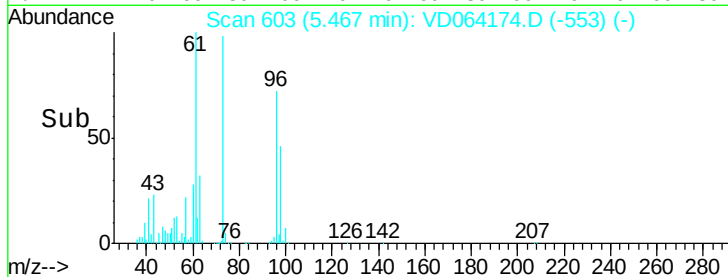
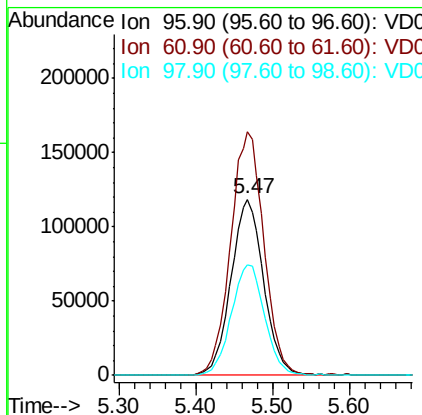
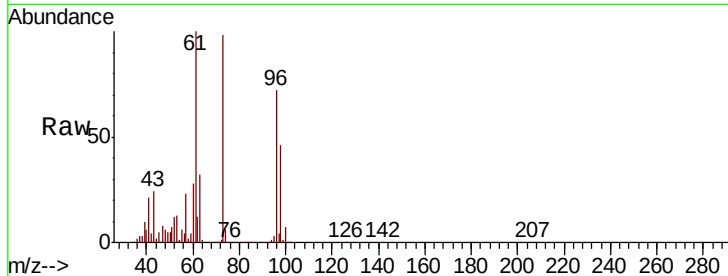
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	349601
Ion Ratio	Lower	Upper	
96	100		
61	138.4	111.8	167.6
98	63.2	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.200 ug/l

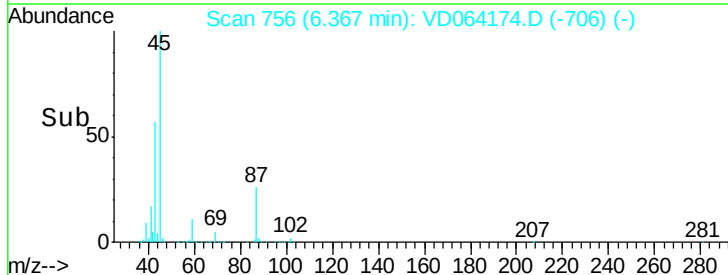
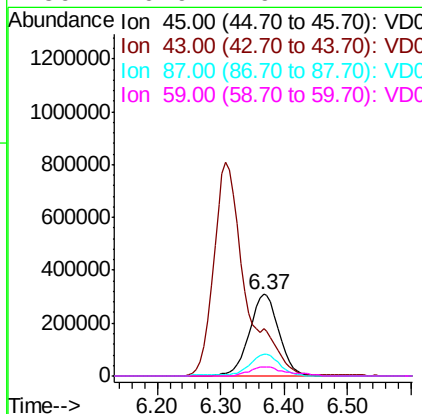
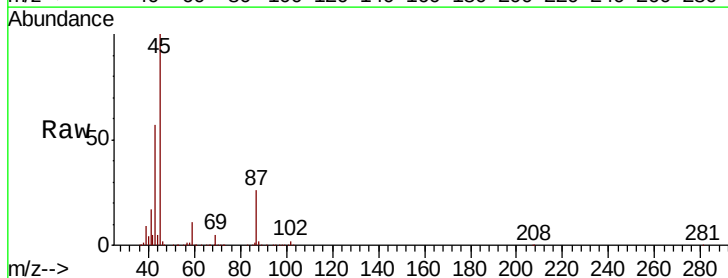
RT: 6.37 min Scan# 756

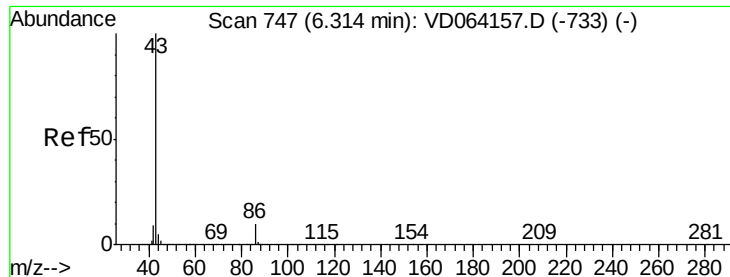
Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Tgt Ion:	45	Resp:	1014819
Ion Ratio	Lower	Upper	
45	100		
43	56.2	44.4	66.6
87	25.9	21.9	32.9
59	10.9	9.4	14.2





#23

Vinyl Acetate

Concen: 250.179 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2819198

Ion Ratio Lower Upper

43 100

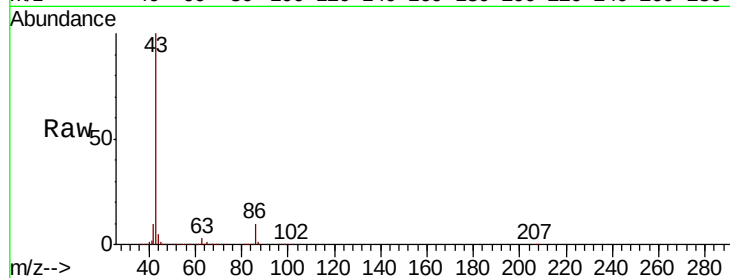
86 9.8 8.2 12.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

800000

6.31

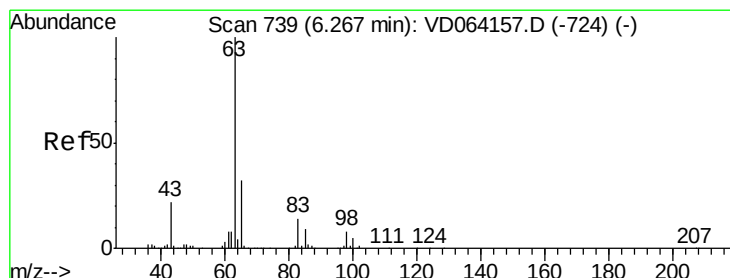
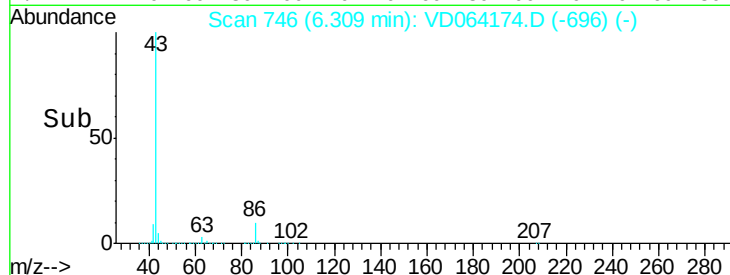
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.525 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

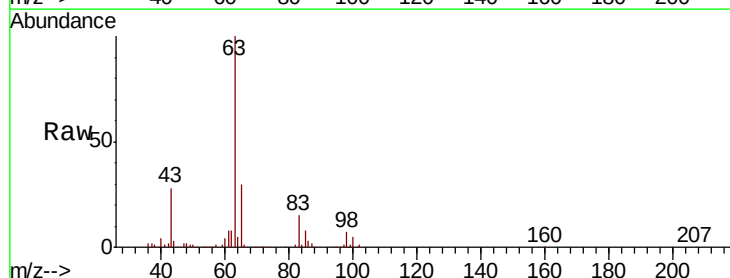
Tgt Ion: 63 Resp: 604787

Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.4

100 4.7 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

250000

6.27

200000

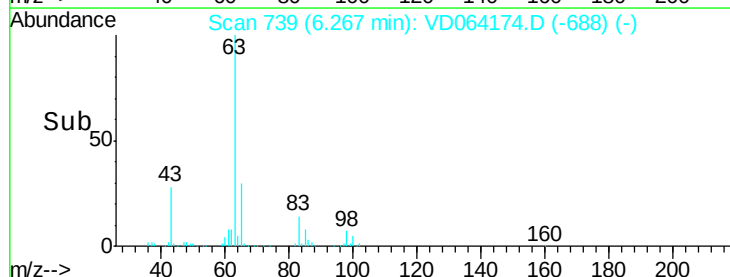
150000

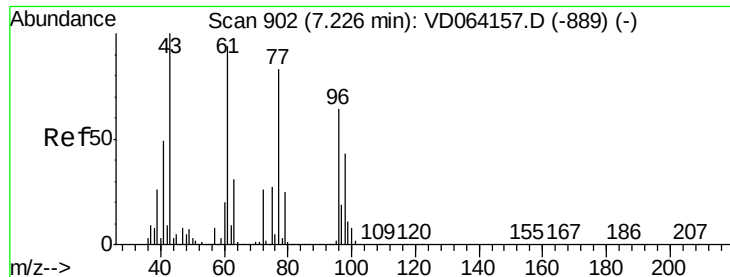
100000

50000

0

Time-->





#25

2-Butanone

Concen: 236.206 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 436038

Ion Ratio Lower Upper

43 100

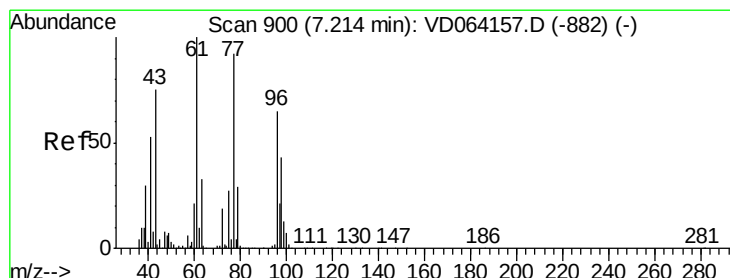
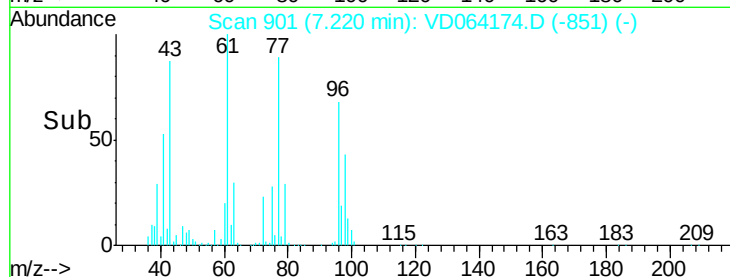
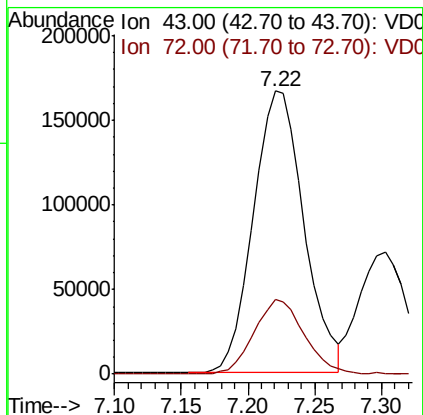
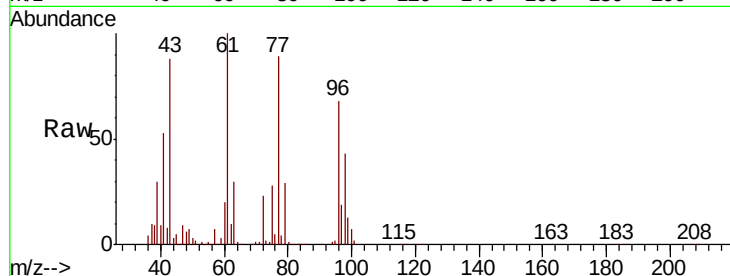
72 26.5 20.6 30.8

Manual Integrations

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MMDadoda

11/12/2019 10:25:40 AM



#26

2,2-Dichloropropane

Concen: 50.556 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064174.D

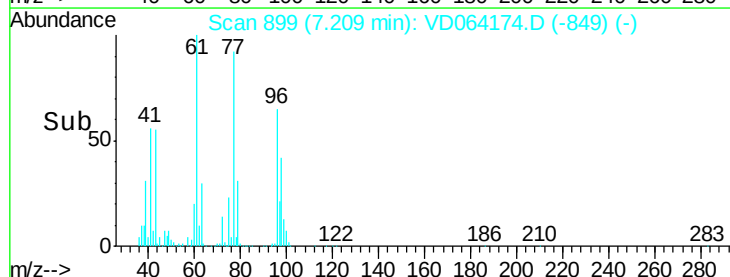
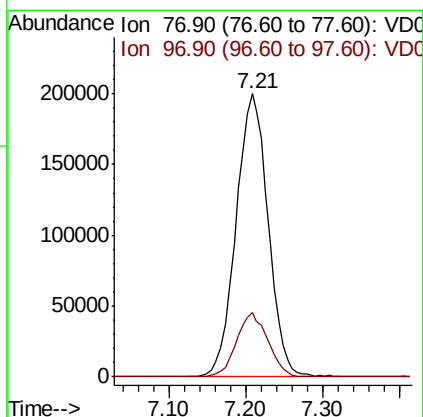
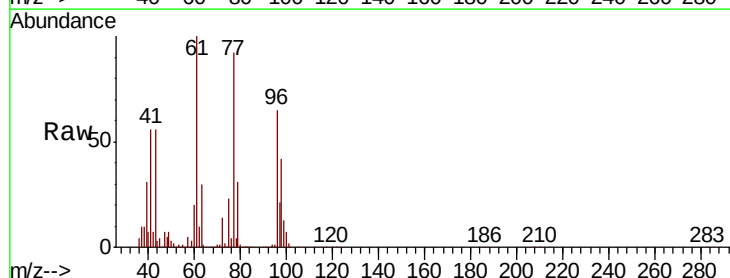
Acq: 11 Nov 2019 13:16

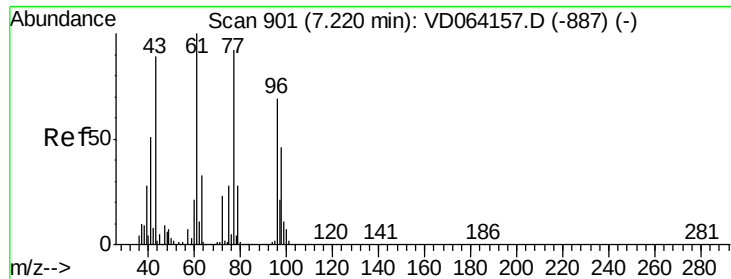
Tgt Ion: 77 Resp: 581957

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3





#27

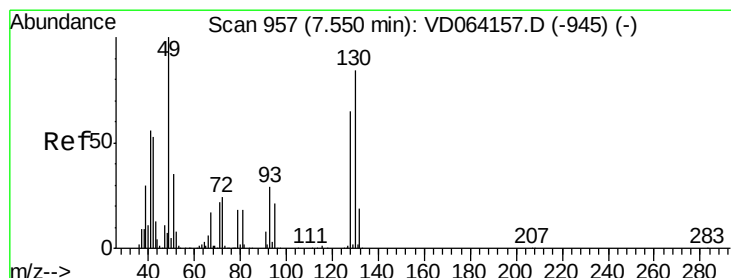
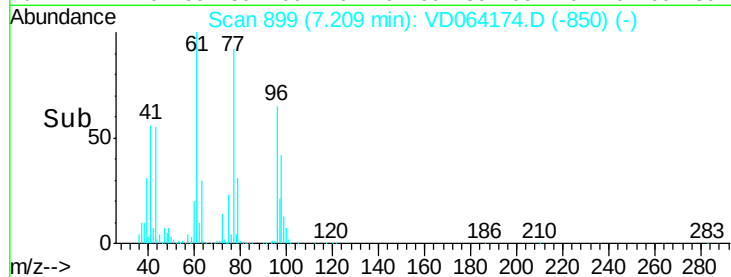
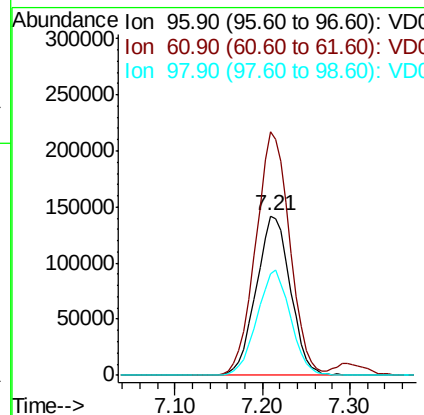
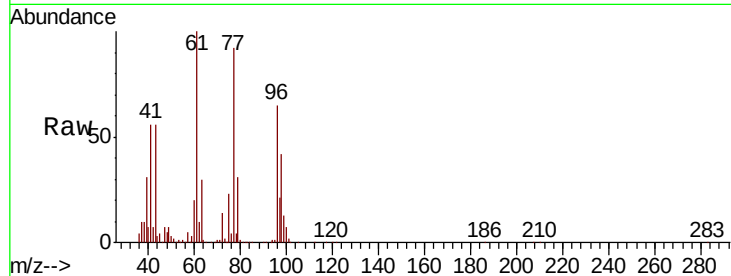
cis-1,2-Dichloroethene
Concen: 50.787 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.4	0.0	301.4	
98	65.3	0.0	133.2	

Manual Integrations
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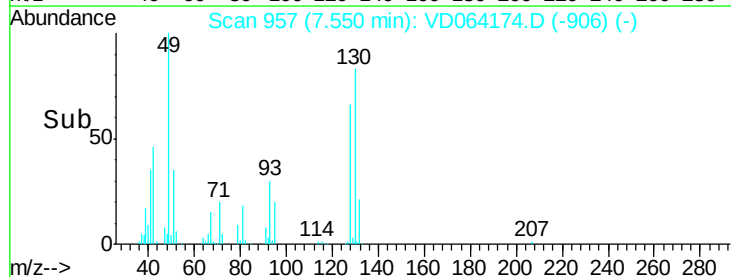
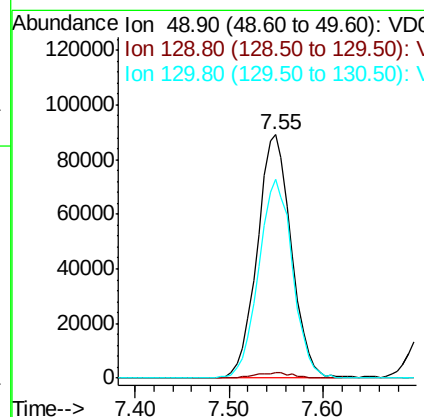
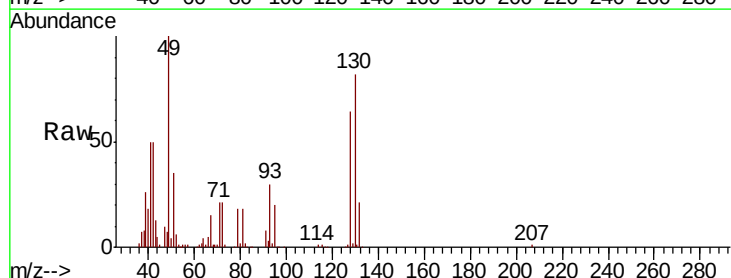
MMDadoda
11/12/2019 10:25:40 AM

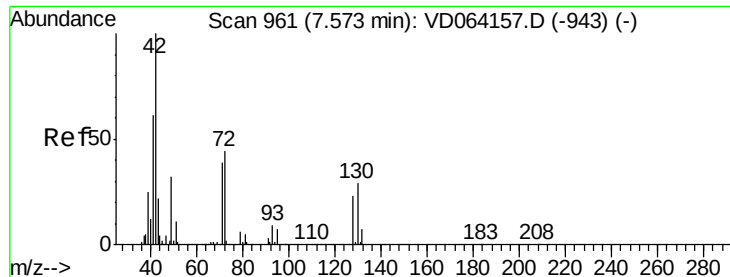


#28

Bromochloromethane
Concen: 54.528 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.4	
130	81.8	66.8	100.2	





#29

Tetrahydrofuran

Concen: 231.002 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

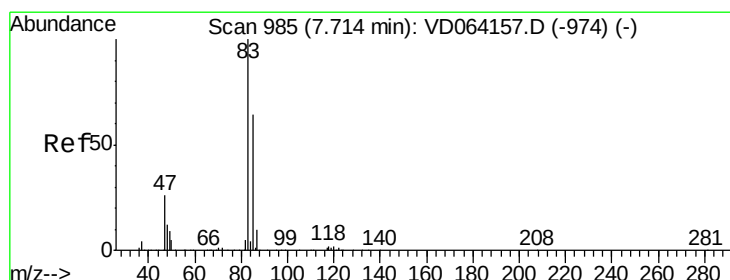
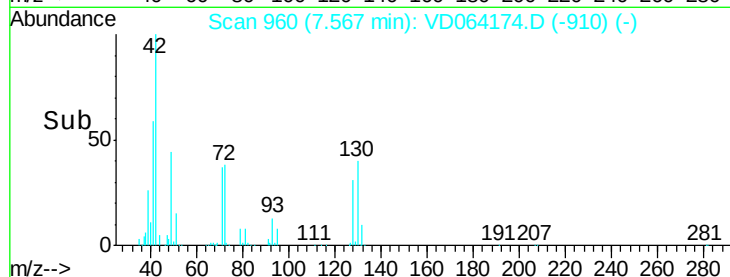
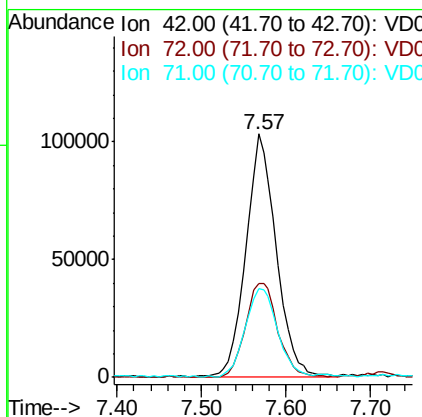
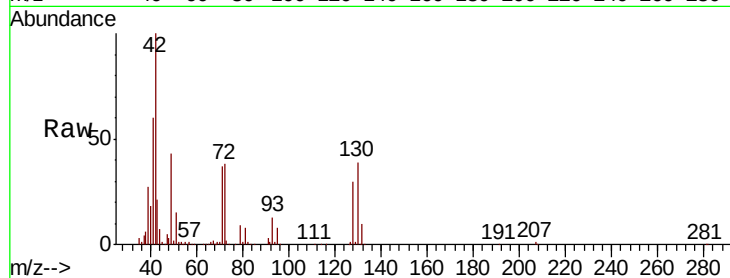
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	256209
Ion Ratio		Lower	Upper
42	100		
72	41.6	33.4	50.2
71	38.8	31.0	46.4

Manual Integrations
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#30

Chloroform

Concen: 50.903 ug/l

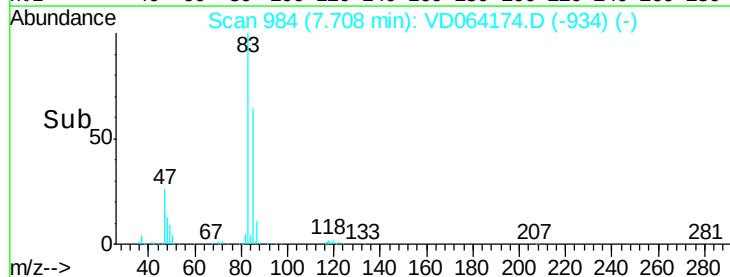
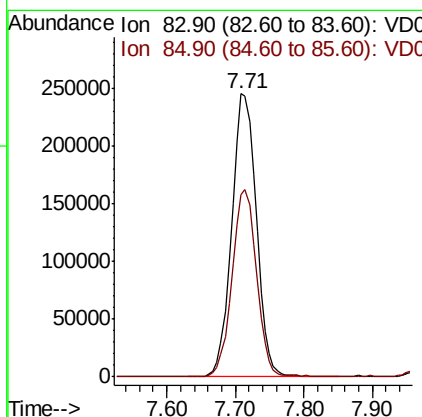
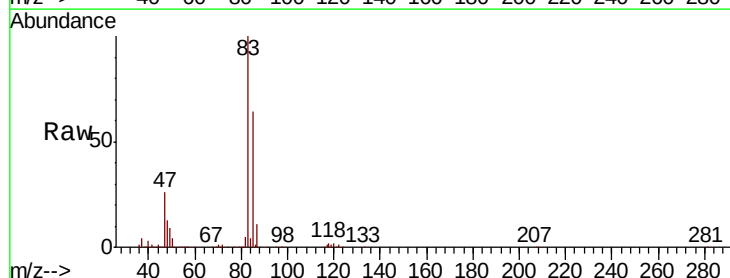
RT: 7.71 min Scan# 984

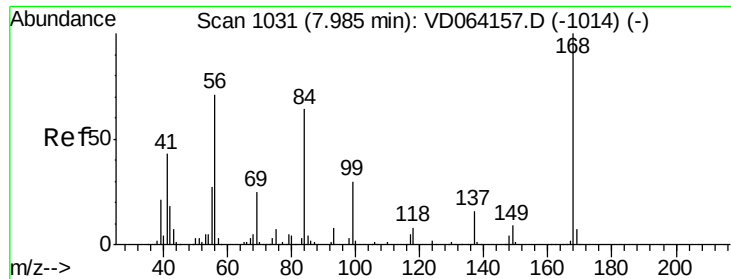
Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Tgt Ion:	83	Resp:	611172
Ion Ratio		Lower	Upper
83	100		
85	64.1	51.4	77.0





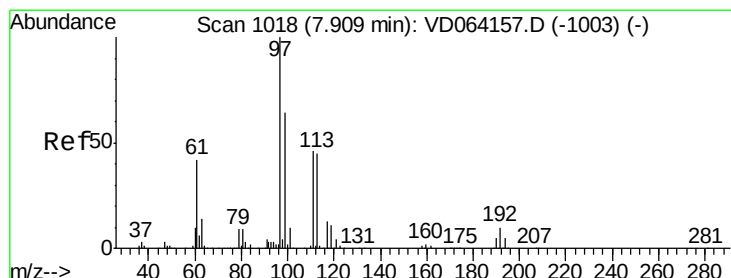
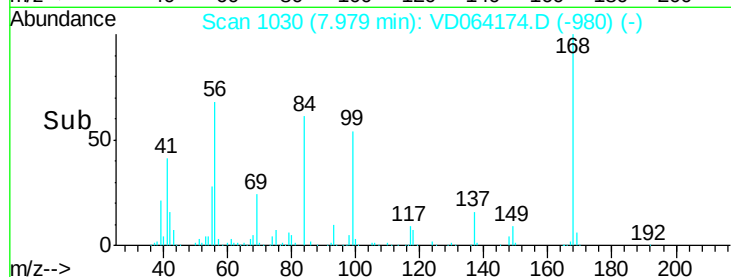
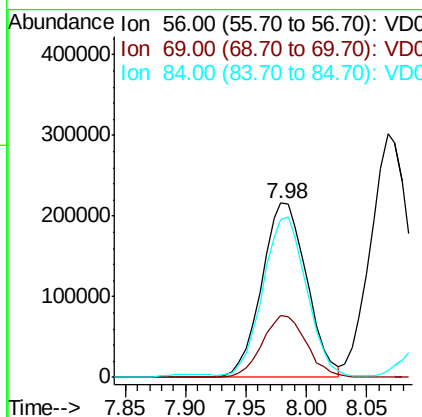
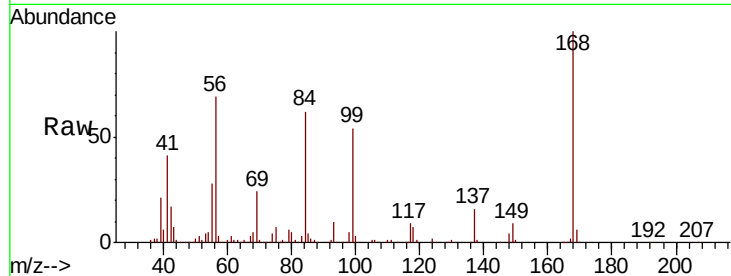
#31
Cyclohexane
Concen: 47.176 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	28.2	42.4
84	88.7	71.8	107.6

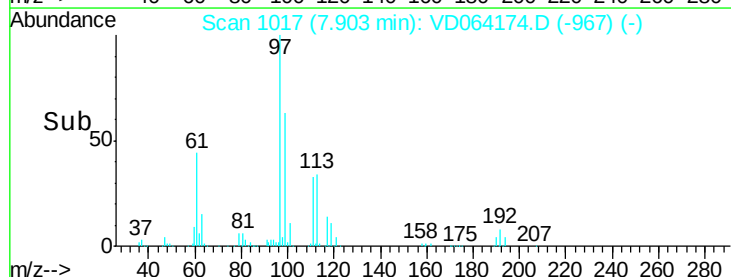
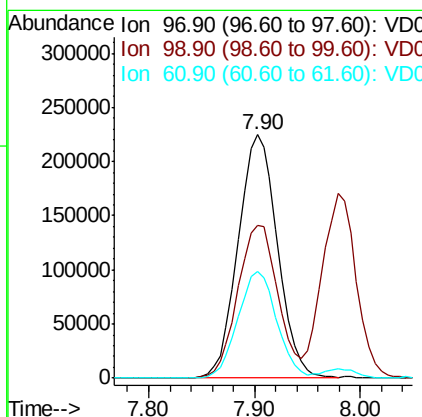
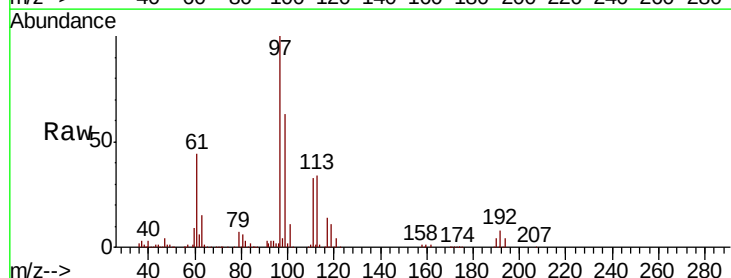
Manual Integrations
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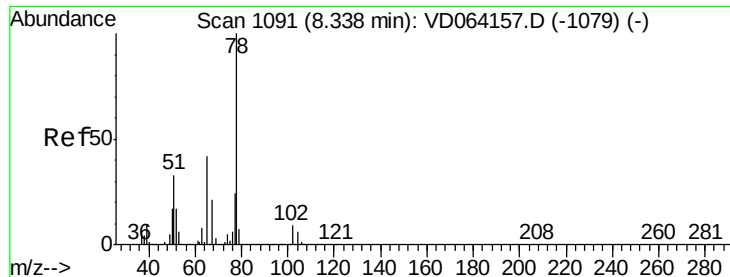
MMDadoda
11/12/2019 10:25:40 AM



#32
1,1,1-Trichloroethane
Concen: 50.660 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	43.4	34.2	51.2





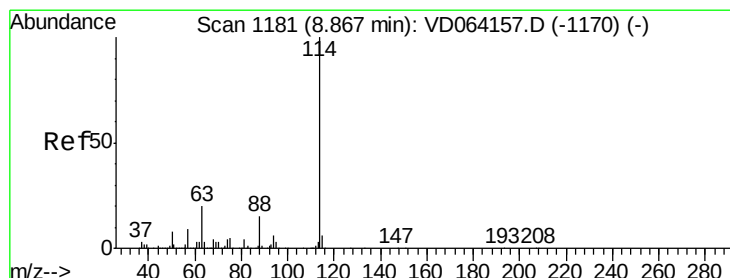
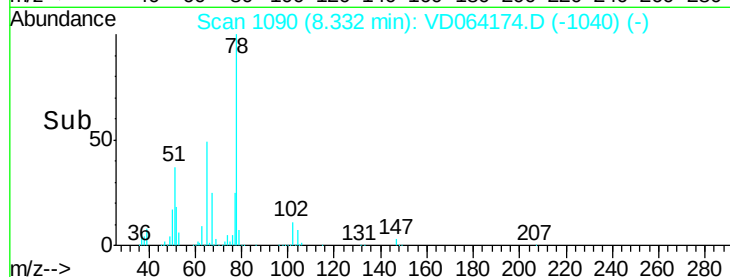
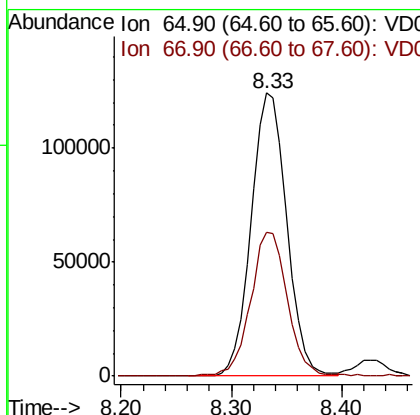
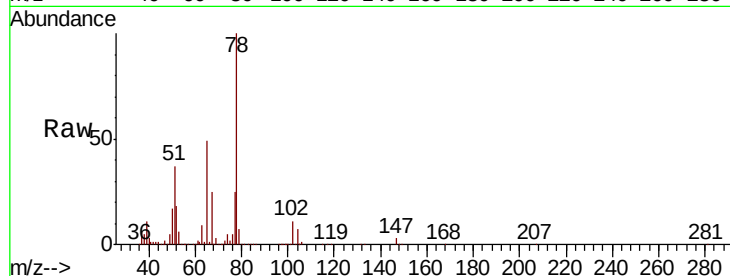
#33
 1,2-Dichloroethane-d4
 Concen: 46.619 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.4

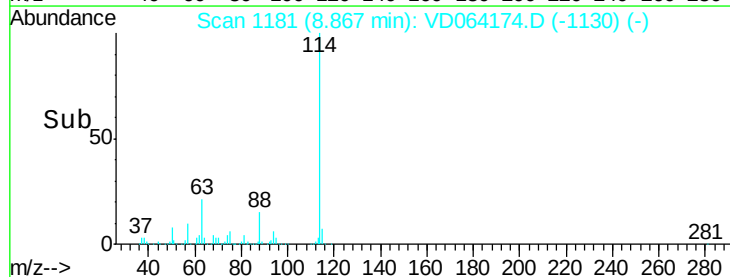
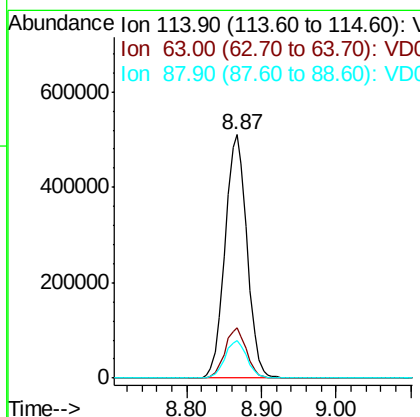
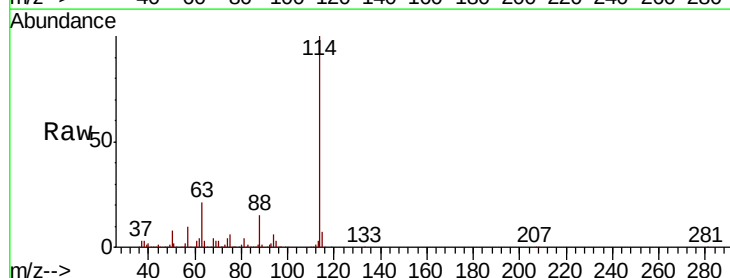
Manual Integrations
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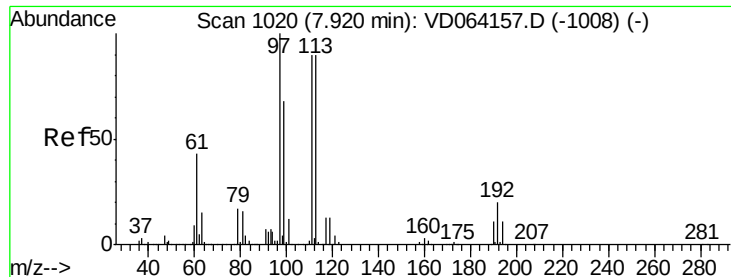
MMDadoda
 11/12/2019 10:25:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.0
88	15.5	0.0	30.2





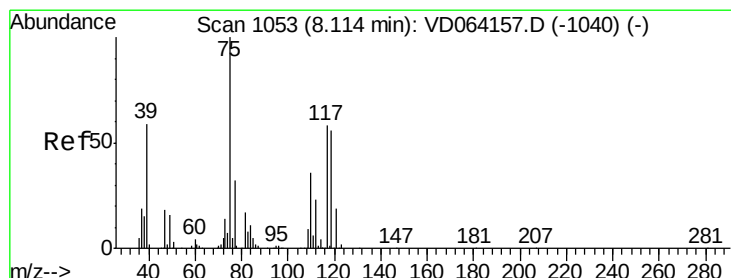
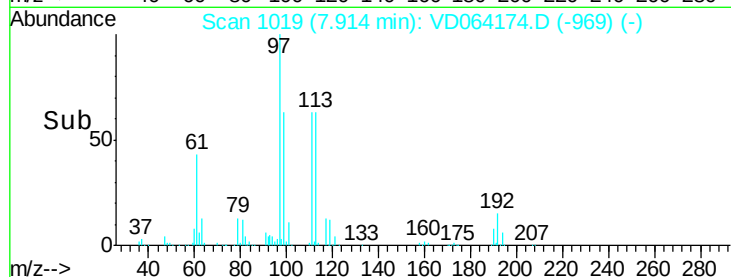
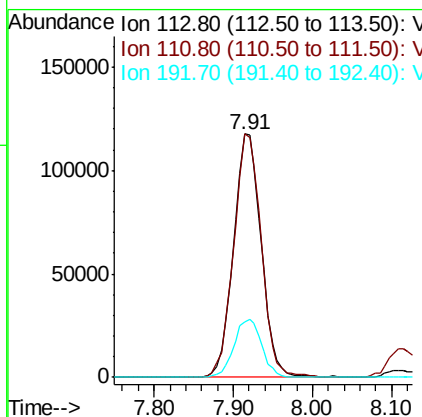
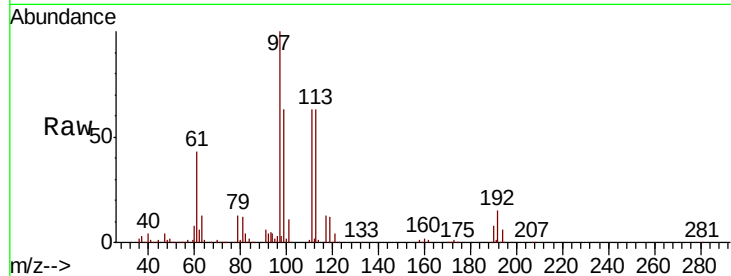
#35
Dibromofluoromethane
Concen: 47.232 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	283968		
111	99.9	81.5	122.3	
192	23.8	18.8	28.2	

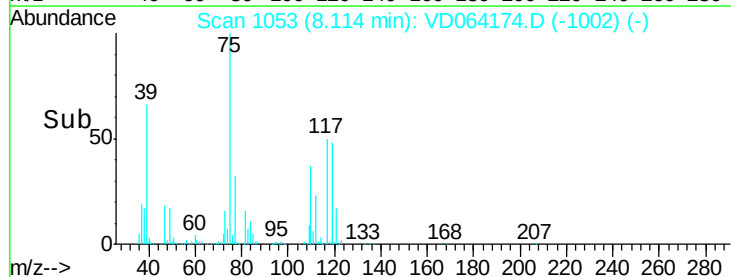
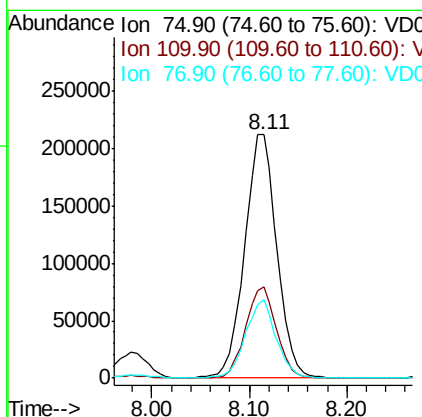
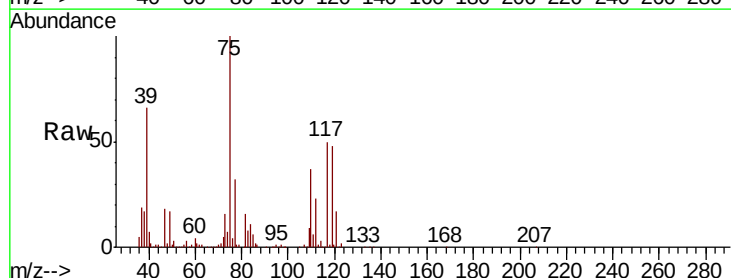
Manual Integrations
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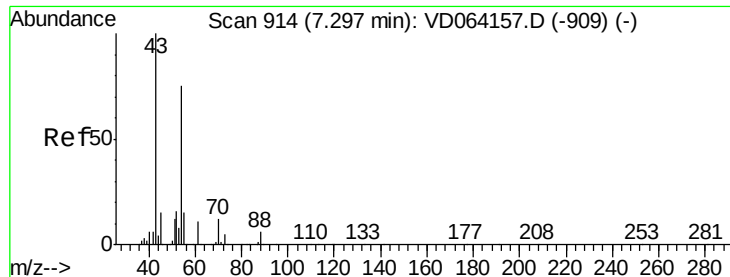
MMDadoda
11/12/2019 10:25:40 AM



#36
1,1-Dichloropropene
Concen: 50.486 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	488030		
110	36.0	18.3	54.9	
77	30.8	25.0	37.6	





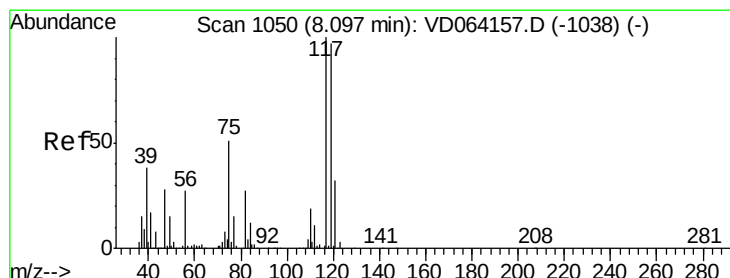
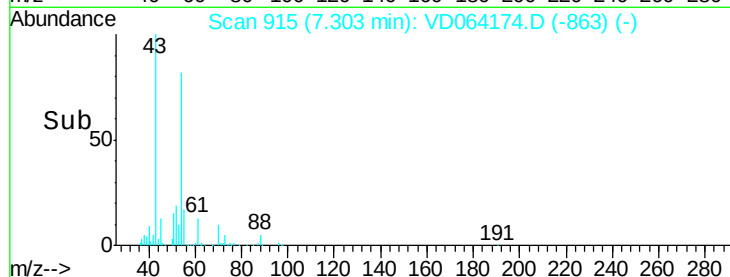
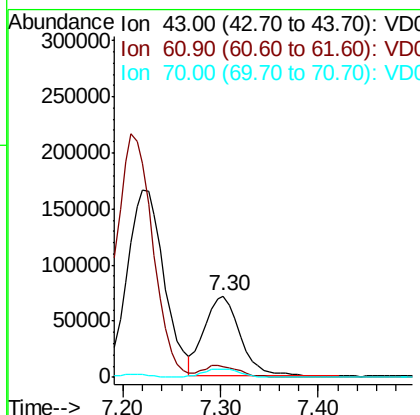
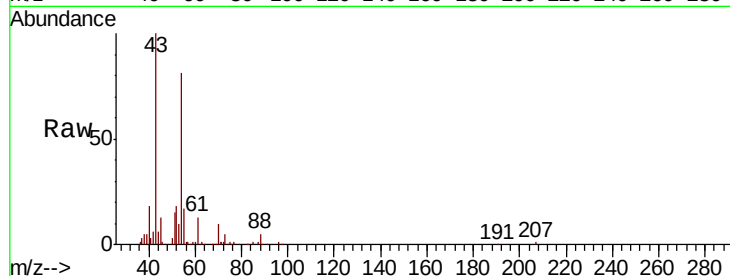
#37
Ethyl Acetate
Concen: 45.272 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.2
70	10.2	8.5	12.7

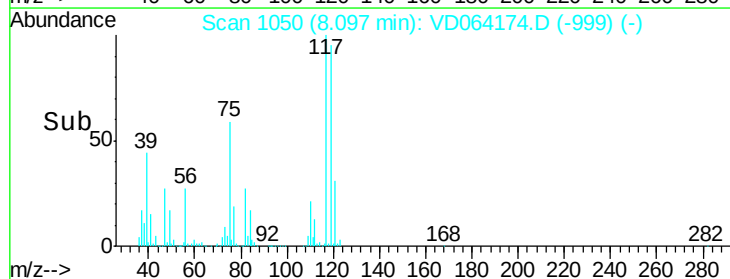
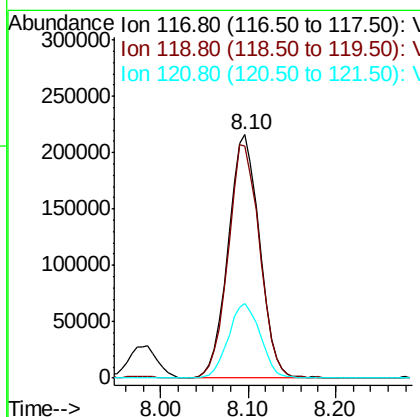
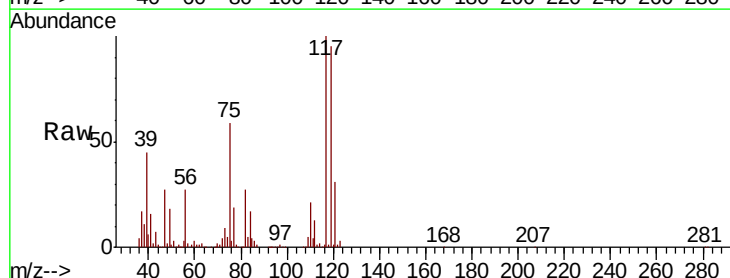
Manual Integrations
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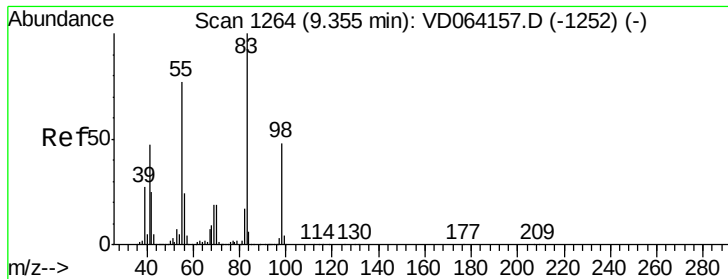
MMDadoda
11/12/2019 10:25:40 AM



#38
Carbon Tetrachloride
Concen: 50.573 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.2	115.8
121	30.6	25.5	38.3





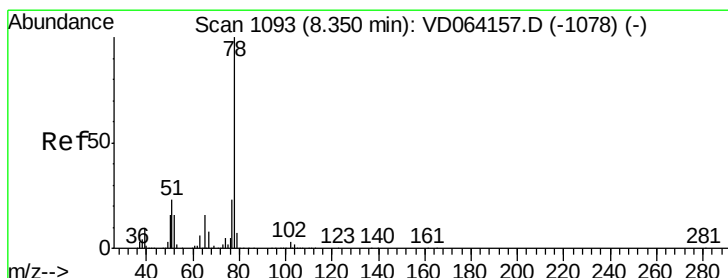
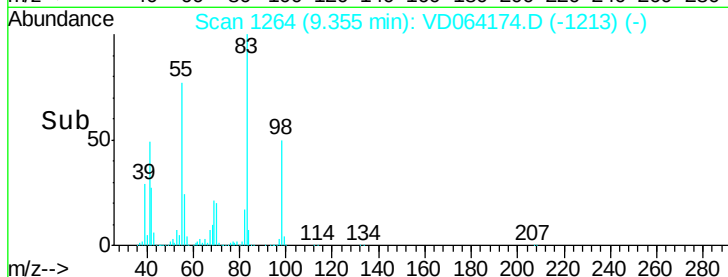
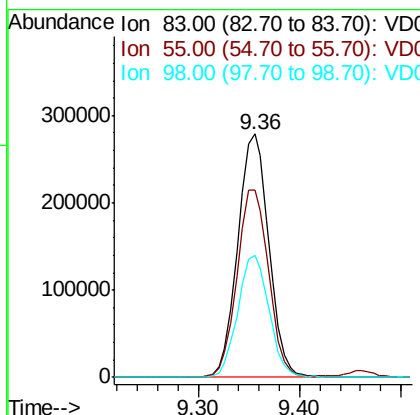
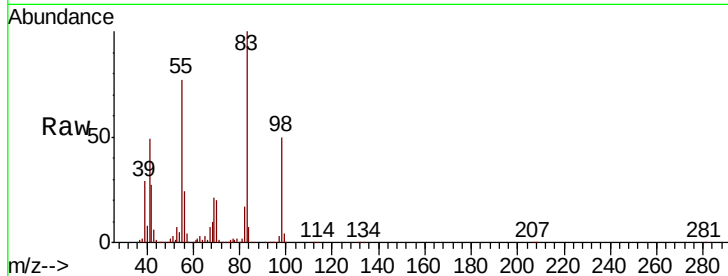
#39
Methylvlcyclohexane
Concen: 48.372 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.7	92.5
98	50.2	38.6	58.0

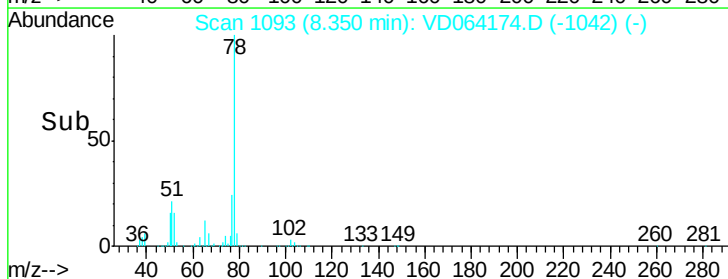
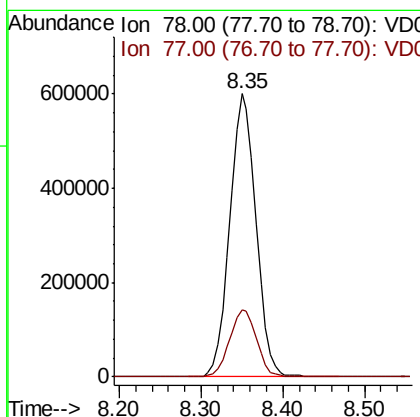
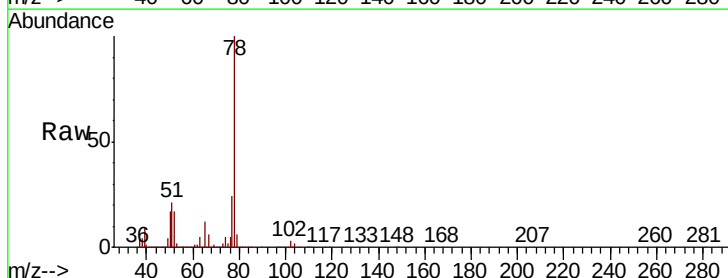
Manual Integrations
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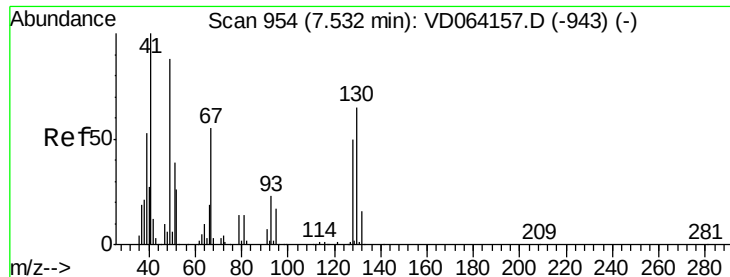
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11/12/2019 10:25:40 AM



#40
Benzene
Concen: 50.479 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0





#41

Methacrylonitrile

Concen: 43.920 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 112494

Ion Ratio Lower Upper

41 100

39 64.0 49.4 74.2

67 69.4 49.6 74.4

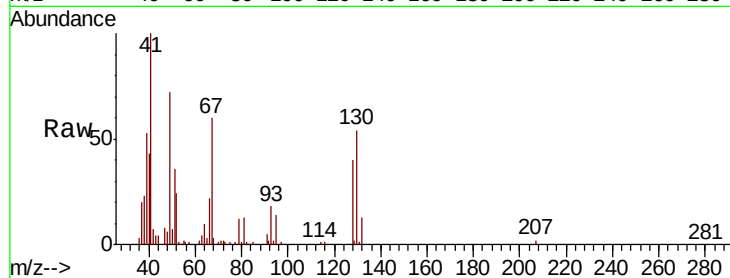
52 29.6 21.4 32.0

Manual Integrations

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11/12/2019 10:25:40 AM

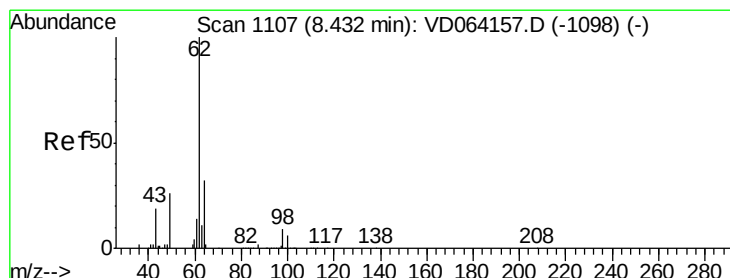
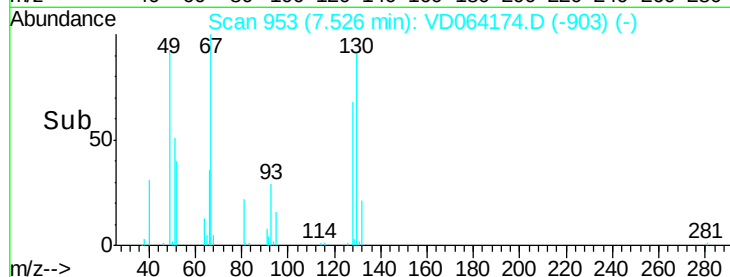
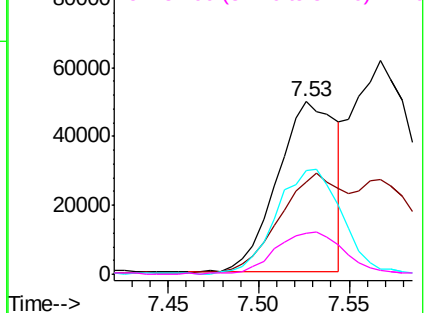


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 48.549 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064174.D

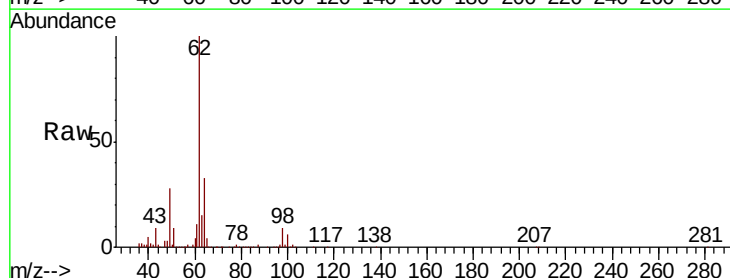
Acq: 11 Nov 2019 13:16

Tgt Ion: 62 Resp: 385218

Ion Ratio Lower Upper

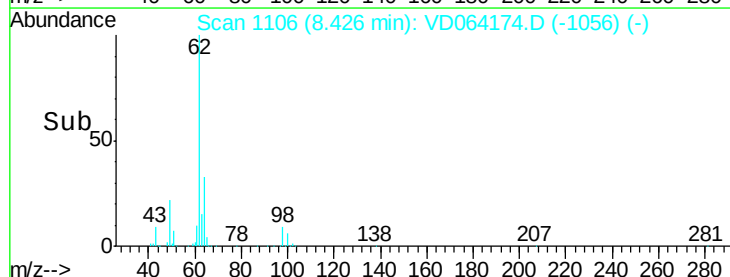
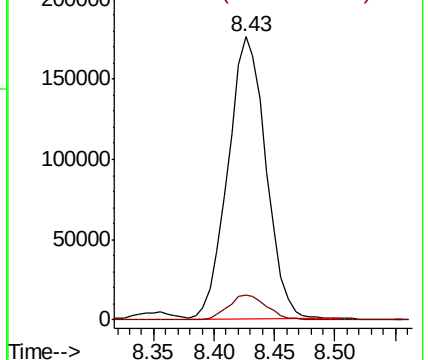
62 100

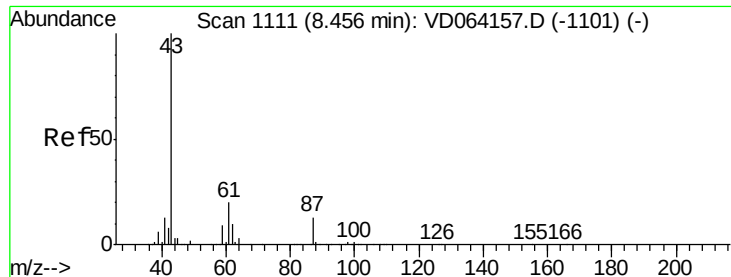
98 9.1 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 45.908 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

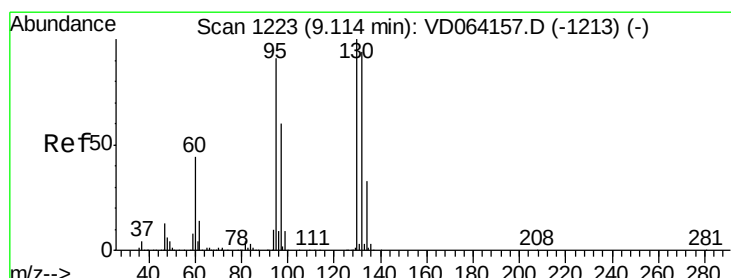
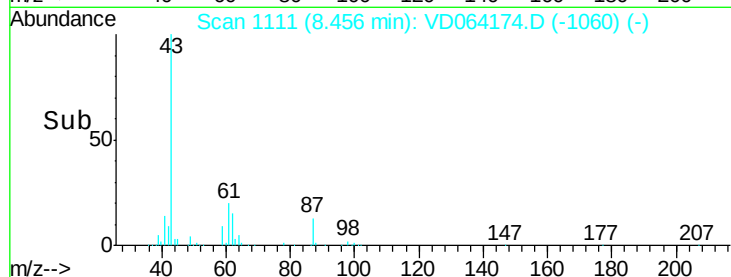
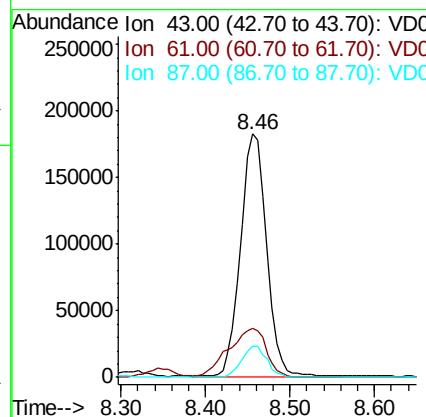
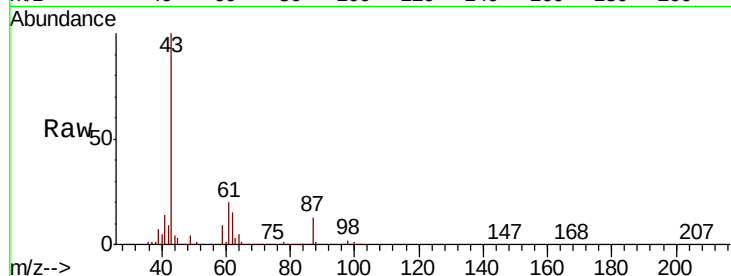
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	385468
Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.9	34.3
87	12.6	10.2	15.2

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#44

Trichloroethene

Concen: 50.450 ug/l

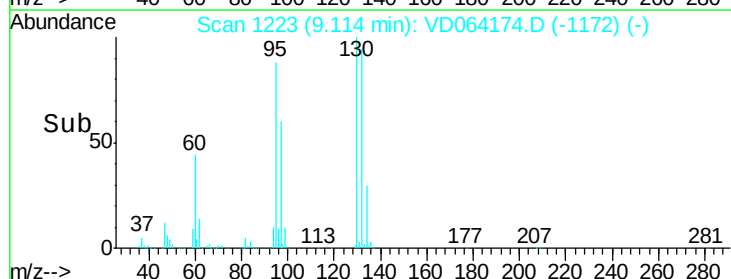
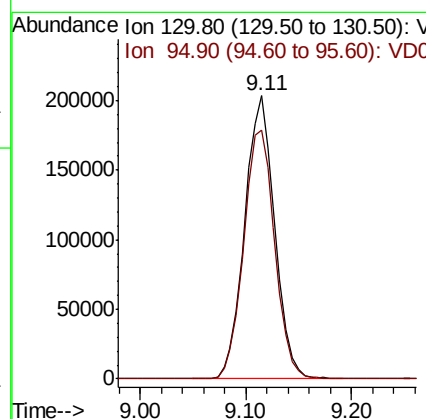
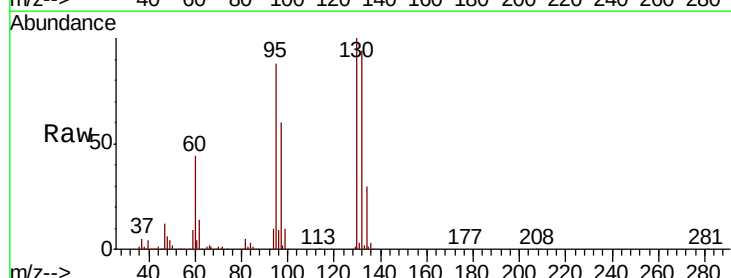
RT: 9.11 min Scan# 1223

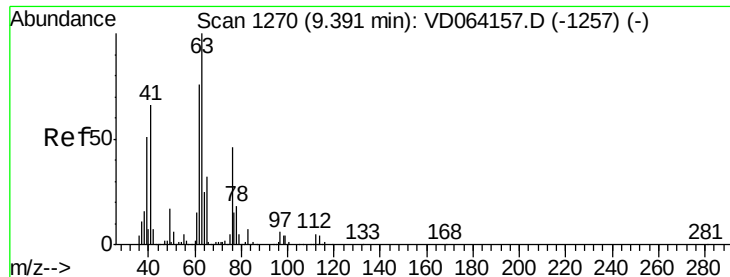
Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Tgt Ion:	130	Resp:	400024
Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	181.6





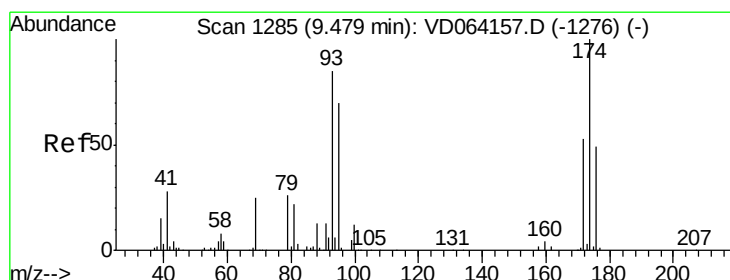
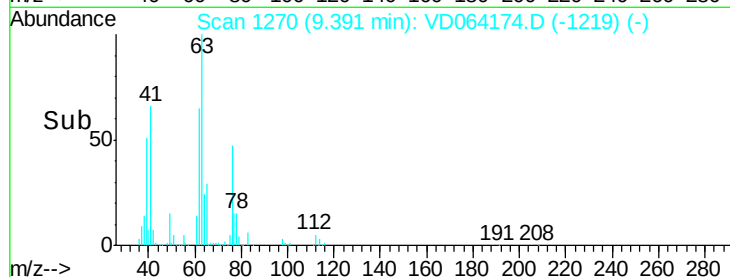
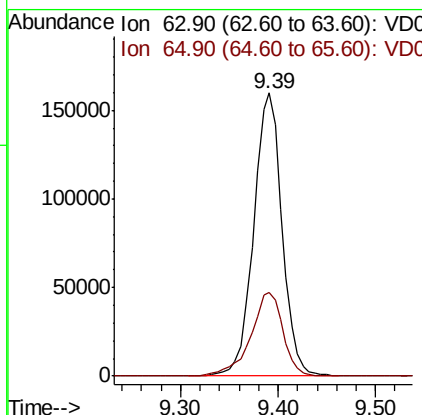
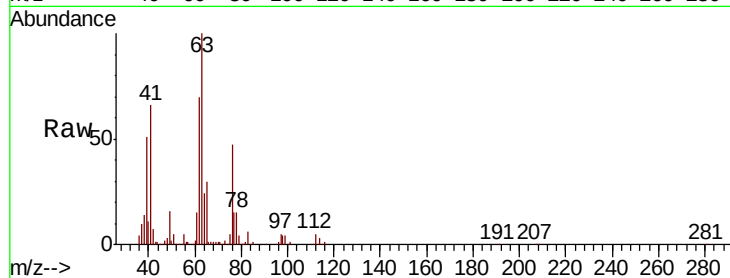
#45
 1,2-Dichloropropane
 Concen: 50.333 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.7	38.5

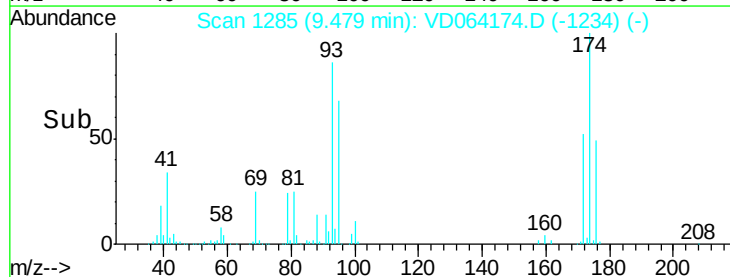
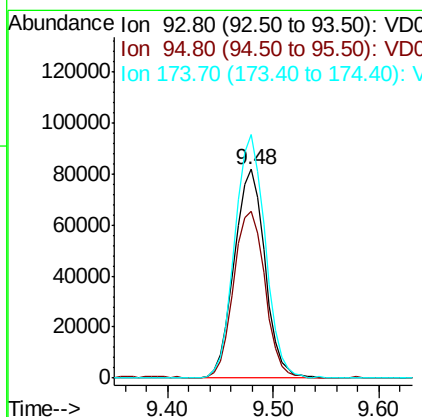
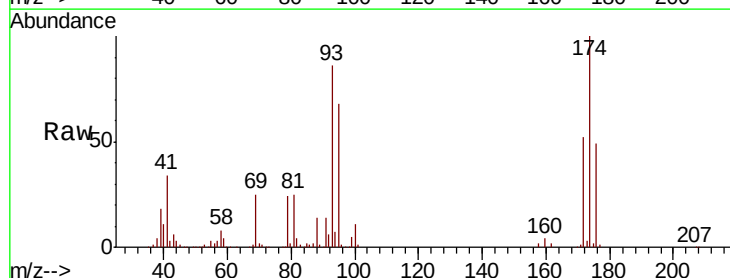
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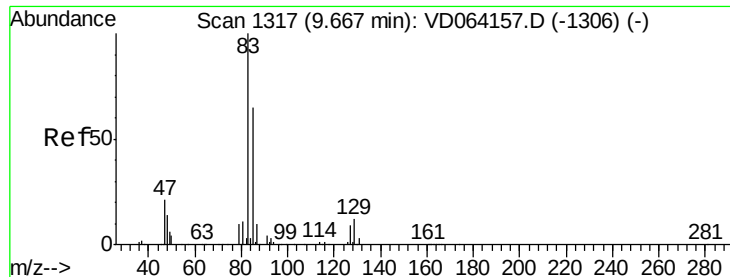
MMDadoda
 11/12/2019 10:25:40 AM



#46
 Dibromomethane
 Concen: 47.936 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.5	98.3
174	115.7	93.9	140.9





#47

Bromodichloromethane

Concen: 49.516 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

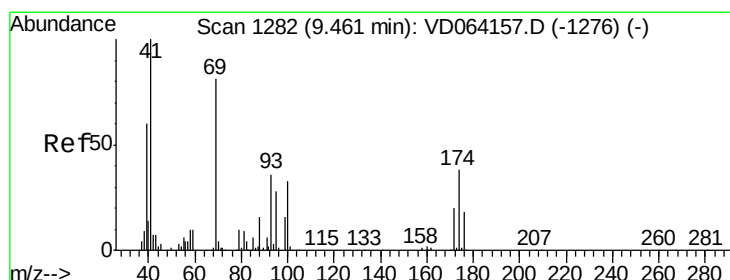
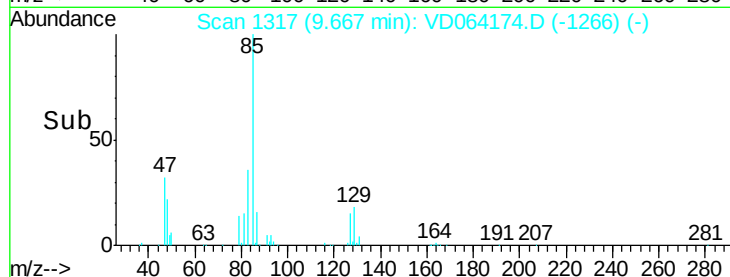
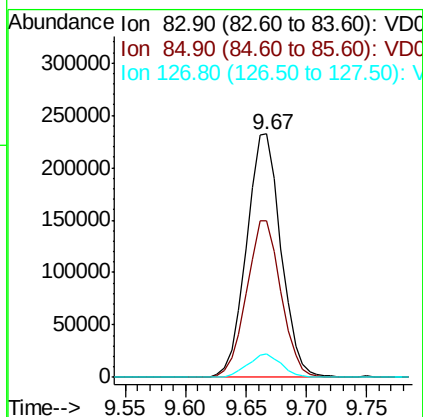
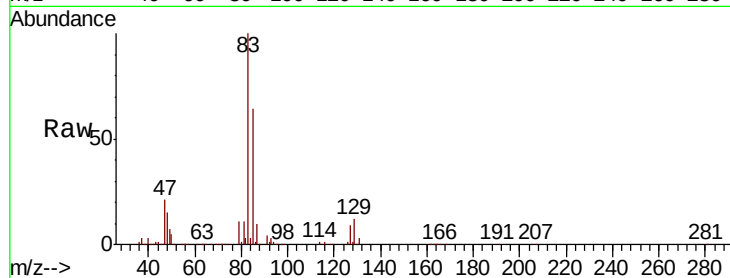
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	459151
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.4
127	9.4	7.5	11.3

Manual Integrations
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MMDadoda
11/12/2019 10:25:40 AM



#48

Methyl methacrylate

Concen: 45.279 ug/l

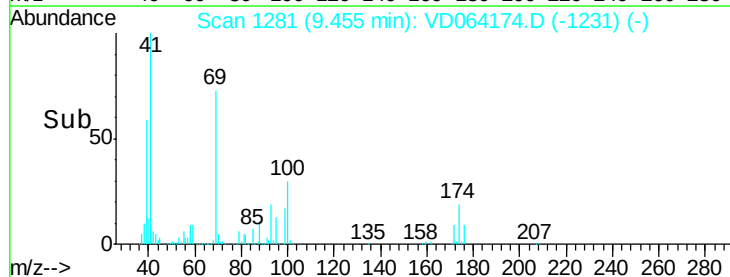
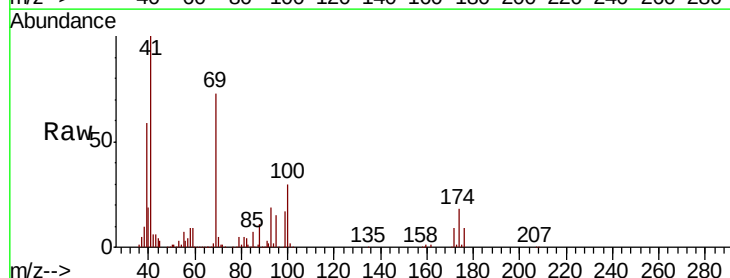
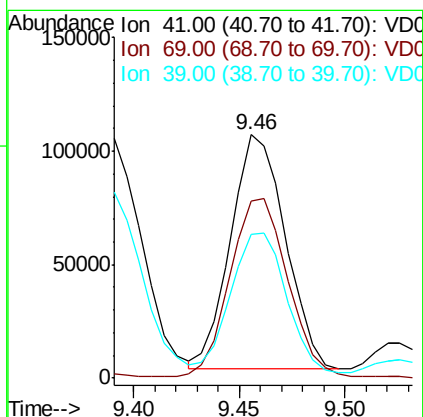
RT: 9.46 min Scan# 1281

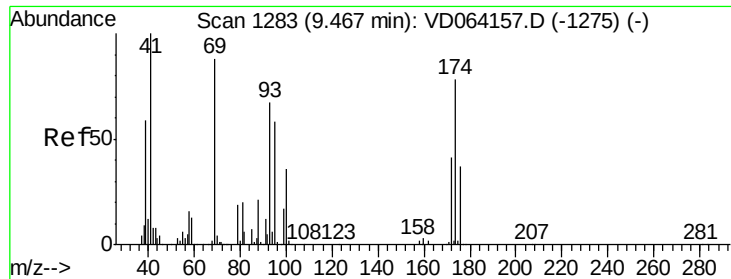
Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Tgt Ion:	41	Resp:	185903
Ion	Ratio	Lower	Upper
41	100		
69	81.0	64.6	97.0
39	60.7	48.2	72.2





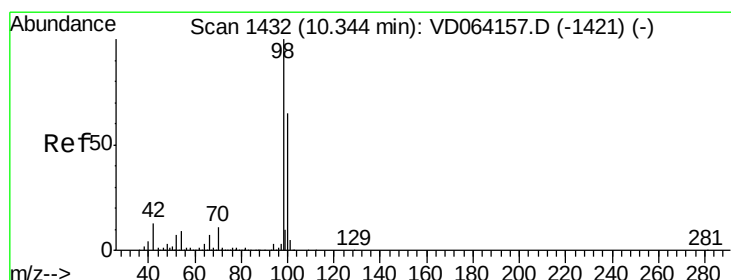
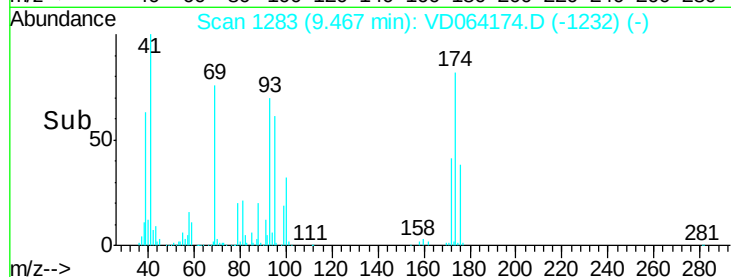
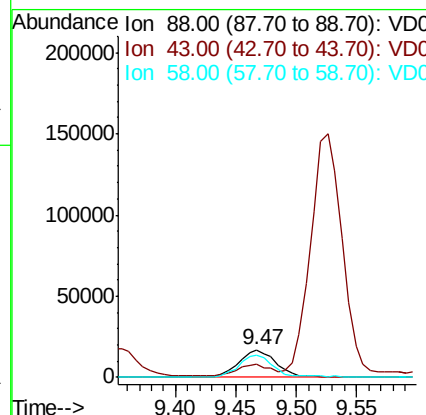
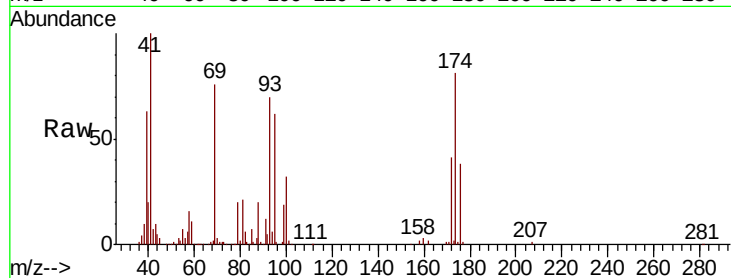
#49
1,4-Dioxane
Concen: 887.913 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	29.8	44.8
58	75.5	58.1	87.1

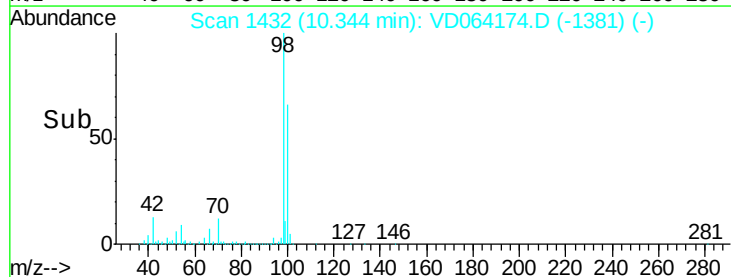
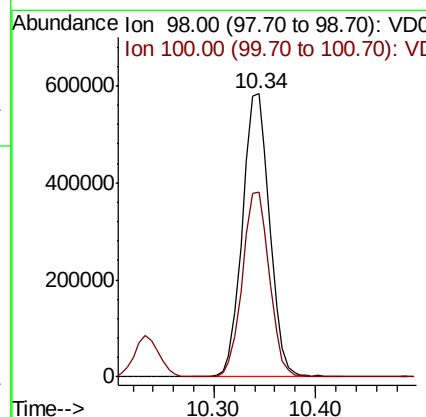
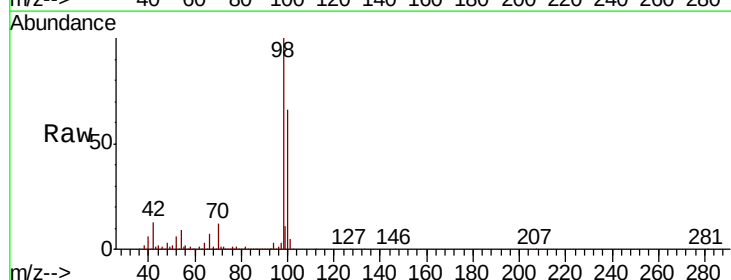
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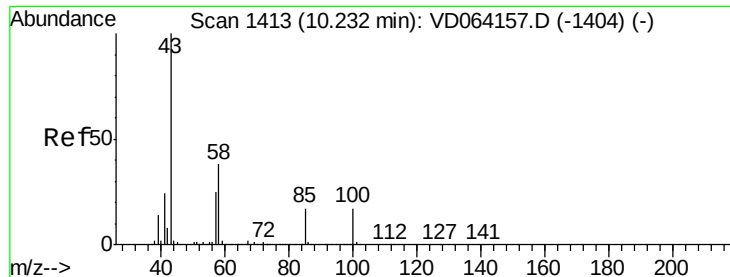
MMDadoda
11/12/2019 10:25:40 AM



#50
Toluene-d8
Concen: 47.865 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	78.8





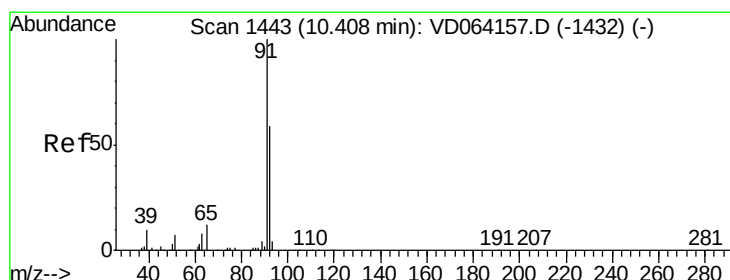
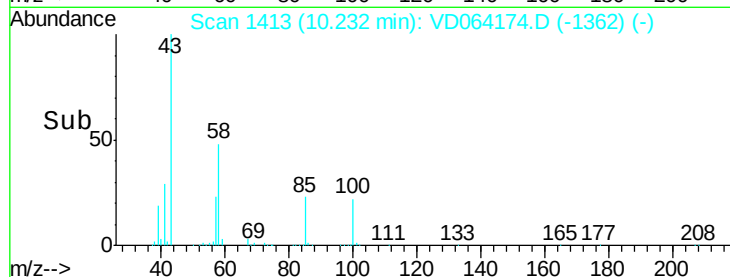
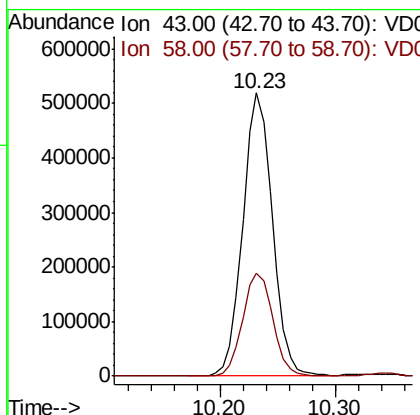
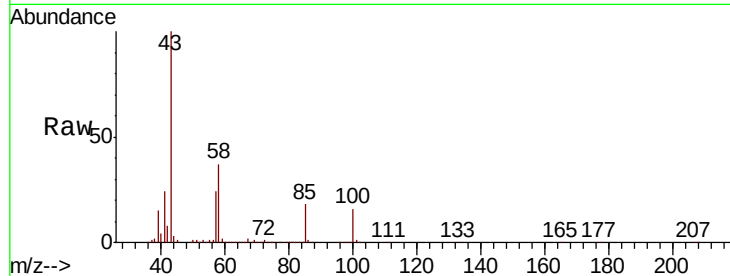
#51
4-Methyl-2-Pentanone
Concen: 229.124 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 922568
Ion Ratio Lower Upper
43 100
58 37.5 30.2 45.4

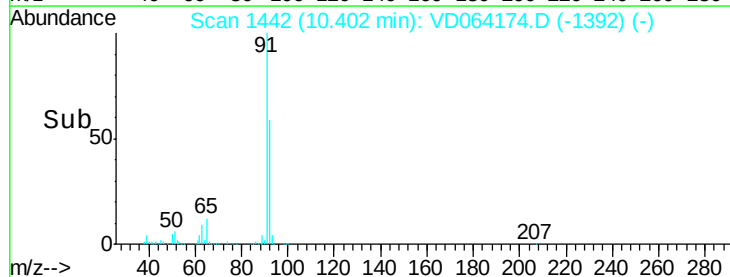
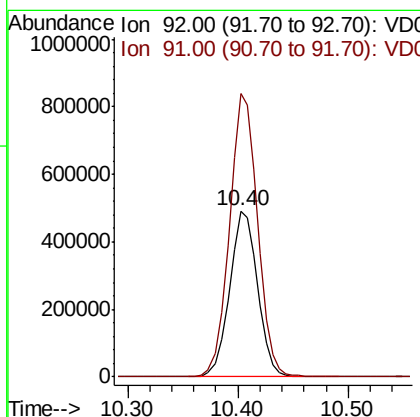
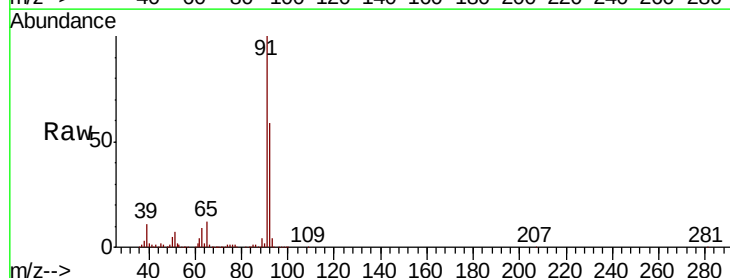
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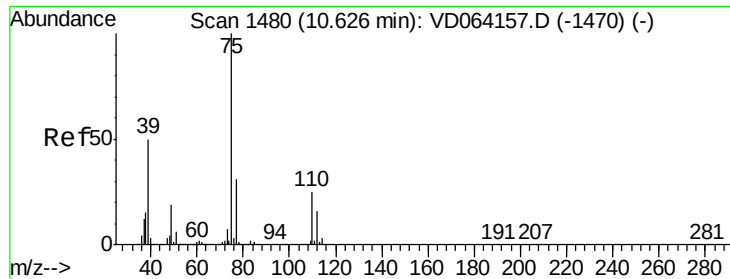
MMDadoda
11/12/2019 10:25:40 AM



#52
Toluene
Concen: 50.209 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 92 Resp: 872227
Ion Ratio Lower Upper
92 100
91 171.9 136.4 204.6





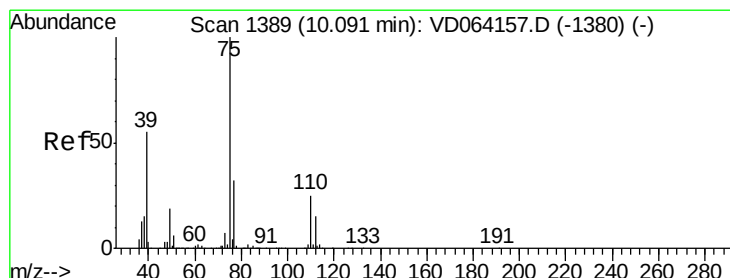
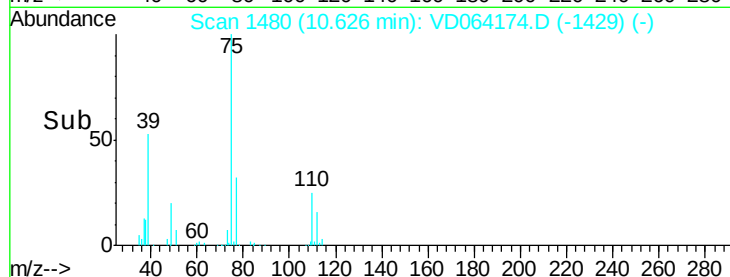
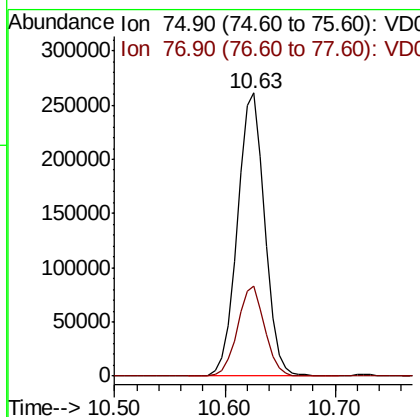
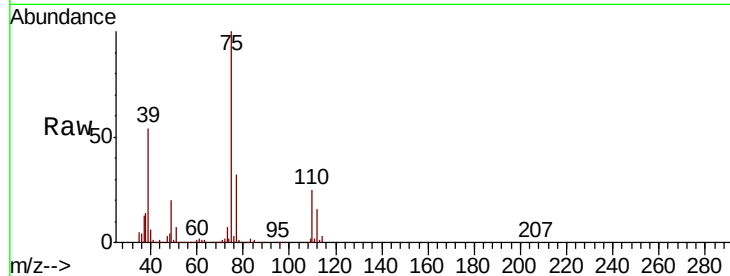
#53
t-1,3-Dichloropropene
Concen: 48.845 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 453759
Ion Ratio Lower Upper
75 100
77 31.5 24.7 37.1

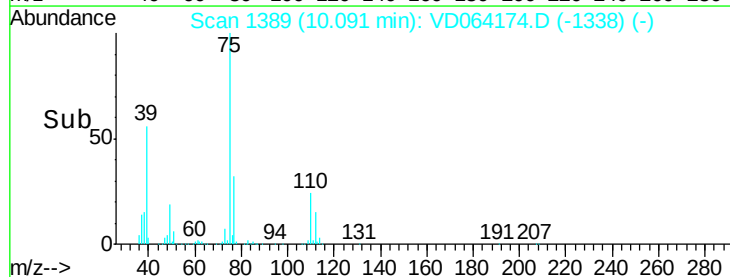
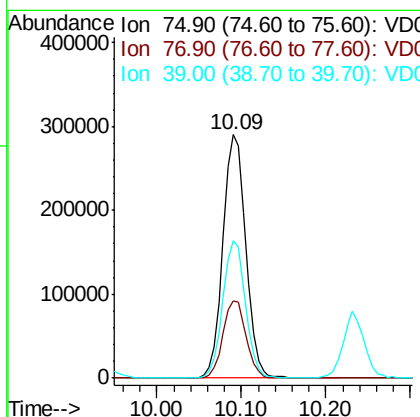
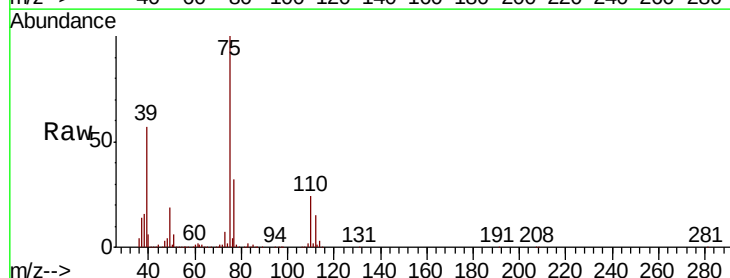
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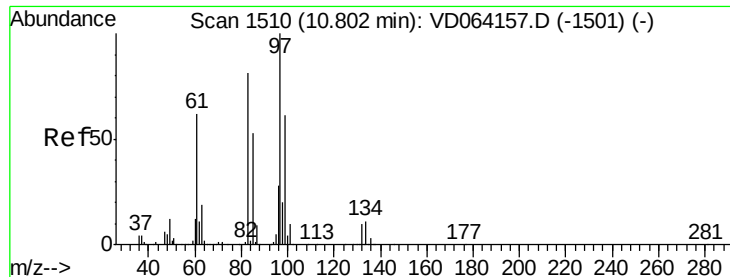
MMDadoda
11/12/2019 10:25:40 AM



#54
cis-1,3-Dichloropropene
Concen: 49.975 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 75 Resp: 541752
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8
39 56.4 44.2 66.2





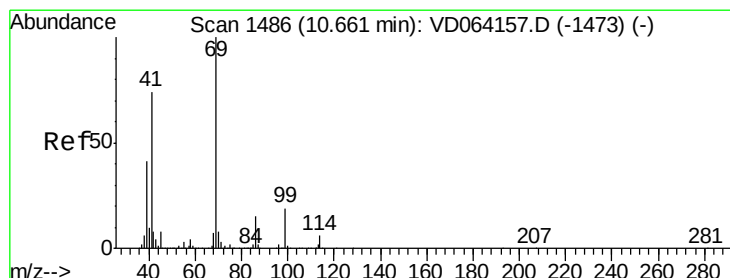
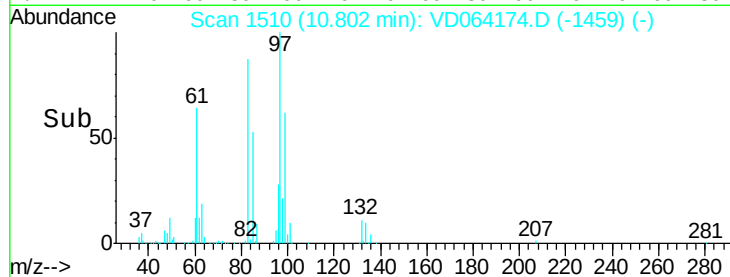
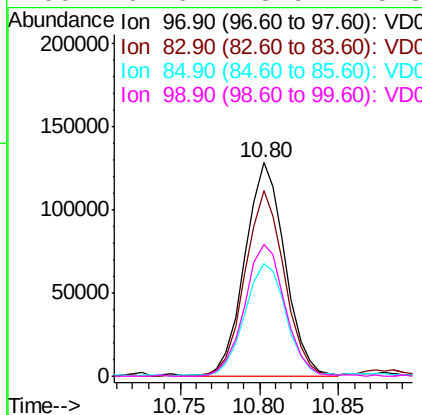
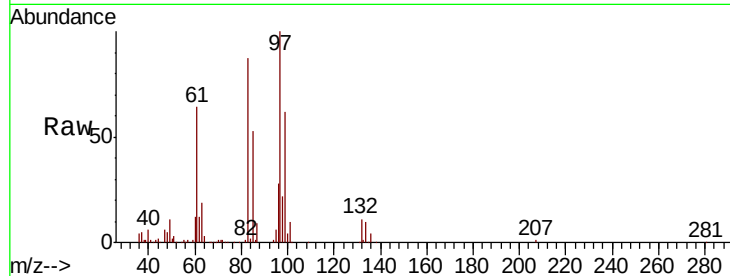
#55
 1,1,2-Trichloroethane
 Concen: 47.955 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		223948		
83	86.6	65.1	97.7		
85	52.6	42.0	63.0		
99	61.6	48.9	73.3		

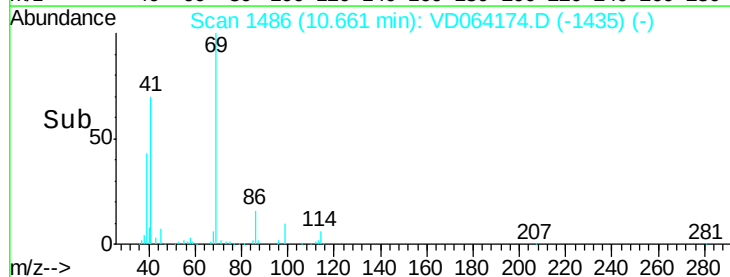
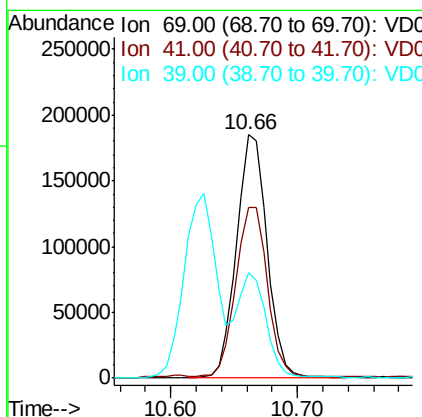
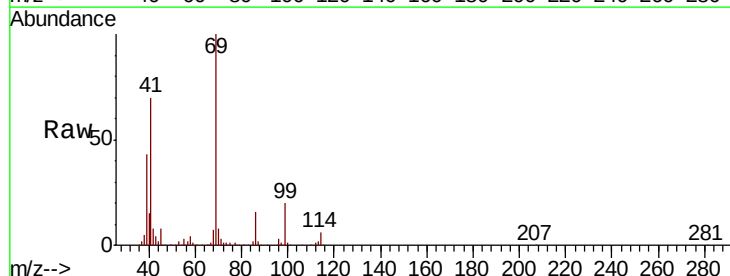
Manual Integrations
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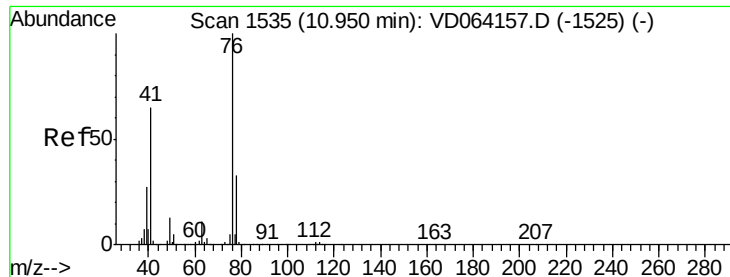
MMDadoda
 11/12/2019 10:25:40 AM



#56
 Ethyl methacrylate
 Concen: 47.191 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		308288		
41	72.8	57.9	86.9		
39	41.0	29.0	43.4		





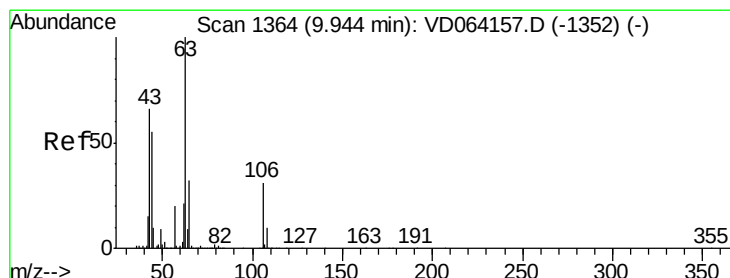
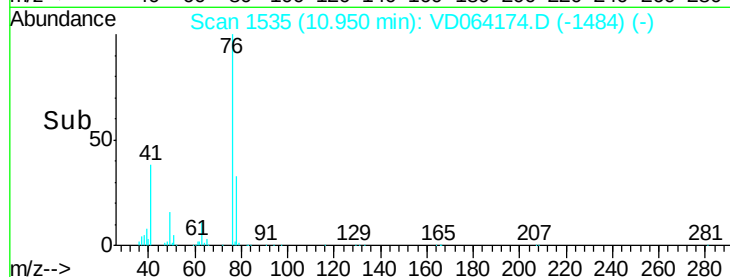
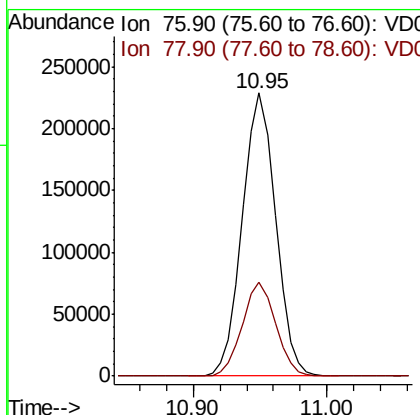
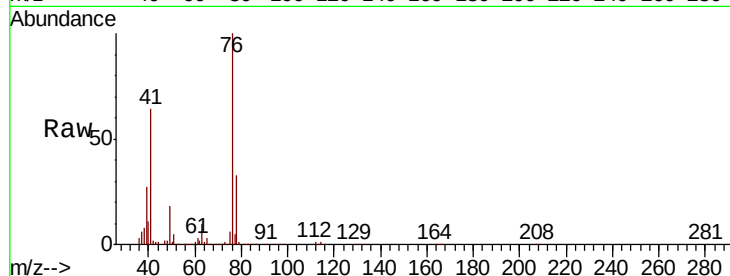
#57
 1,3-Dichloropropane
 Concen: 48.507 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.2	39.4

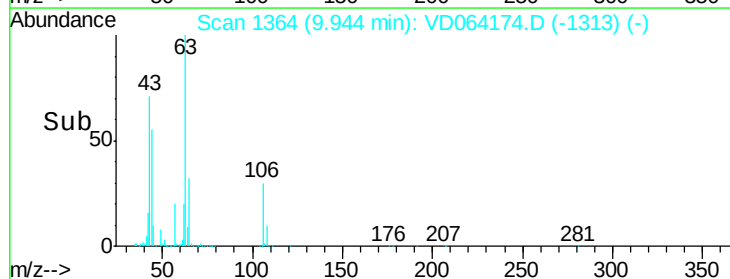
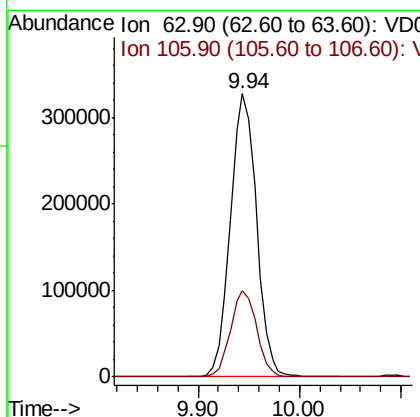
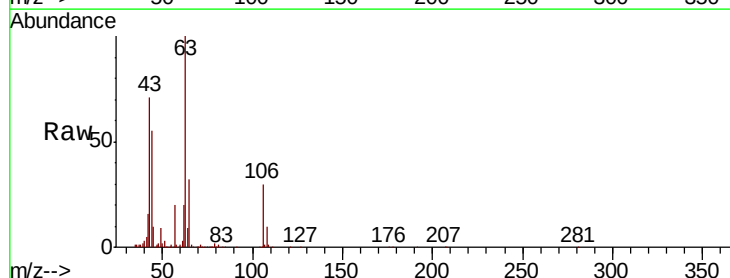
Manual Integrations
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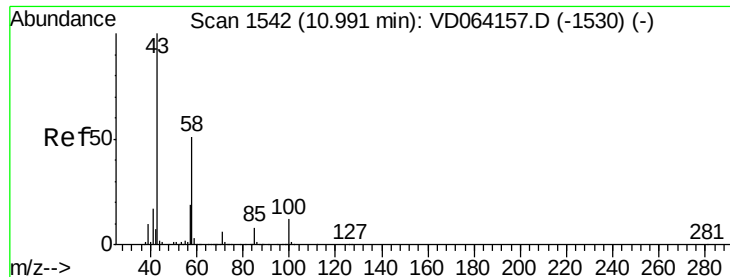
MMDadoda
 11/12/2019 10:25:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 222.418 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.1	36.1





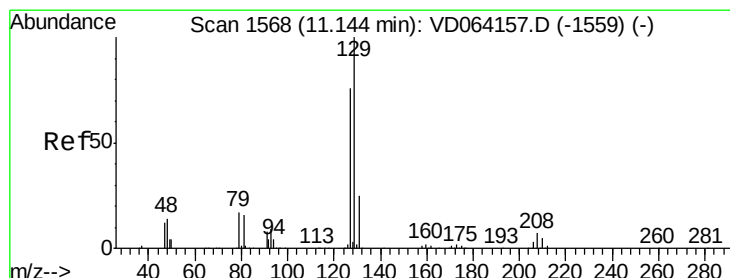
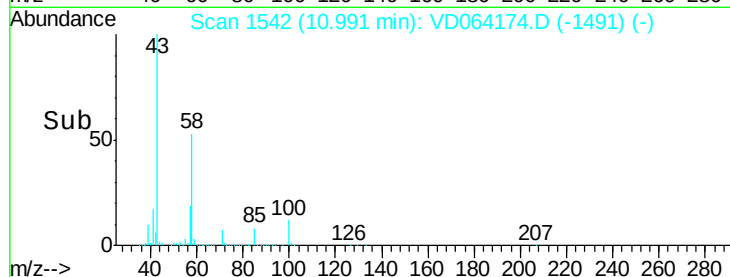
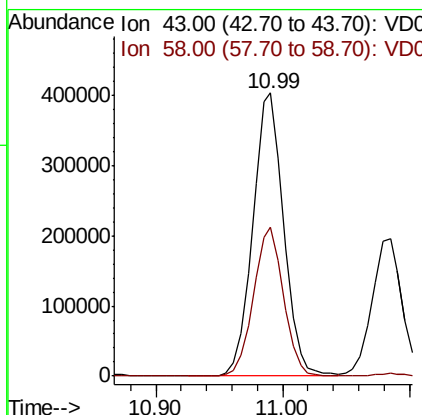
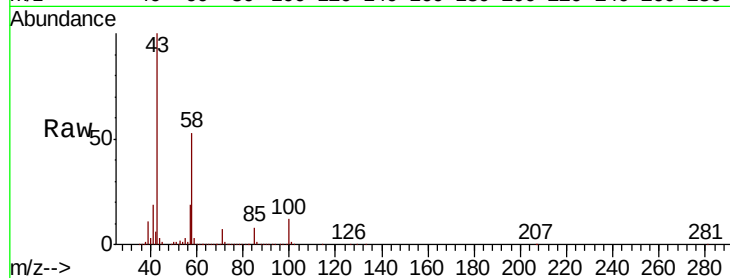
#59
2-Hexanone
Concen: 236.975 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 678846
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7

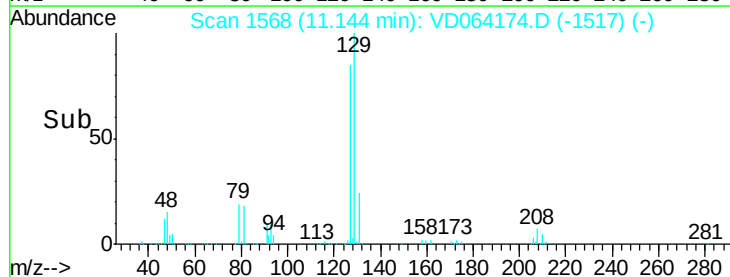
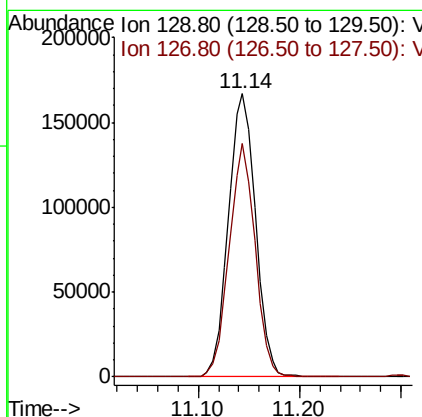
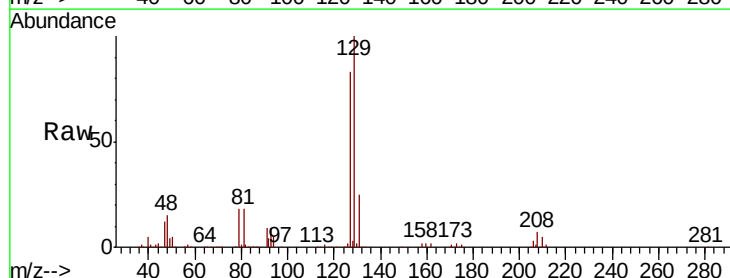
Manual Integrations
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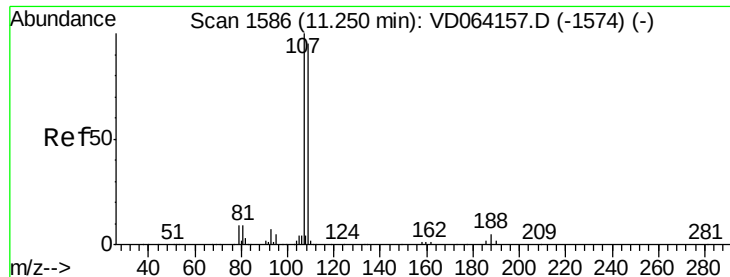
MMDadoda
11/12/2019 10:25:40 AM



#60
Dibromochloromethane
Concen: 47.692 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 129 Resp: 310776
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 47.552 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 222424

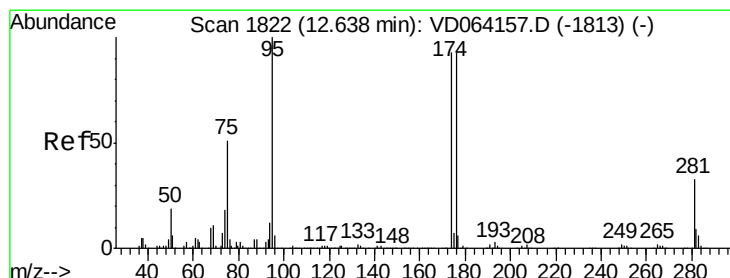
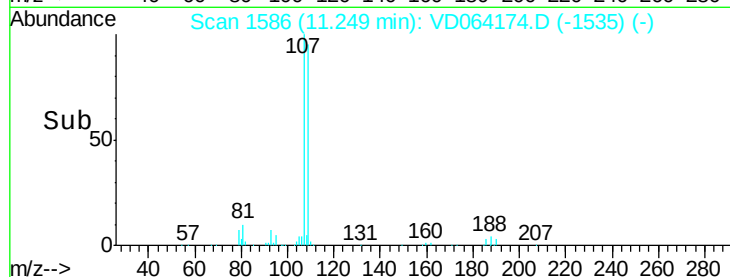
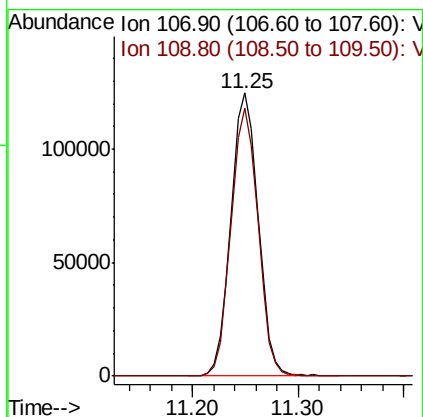
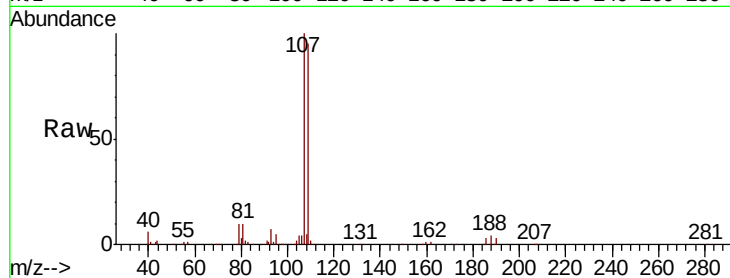
Ion Ratio Lower Upper

107 100

109 93.8 75.1 112.7

Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:40 AM



#62

4-Bromofluorobenzene

Concen: 45.731 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

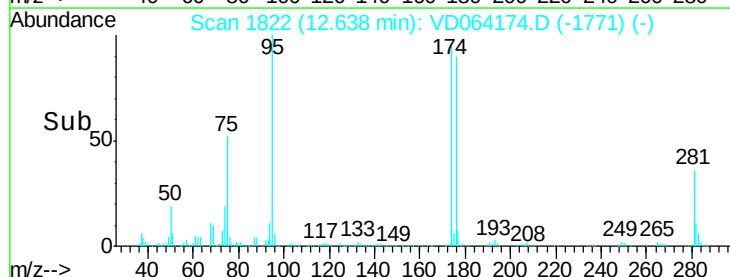
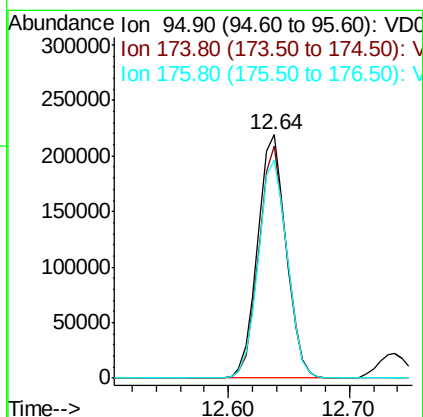
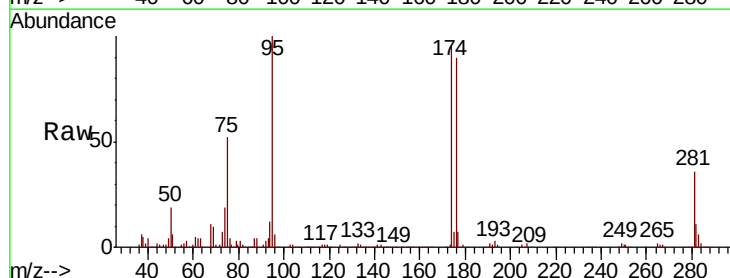
Tgt Ion: 95 Resp: 359195

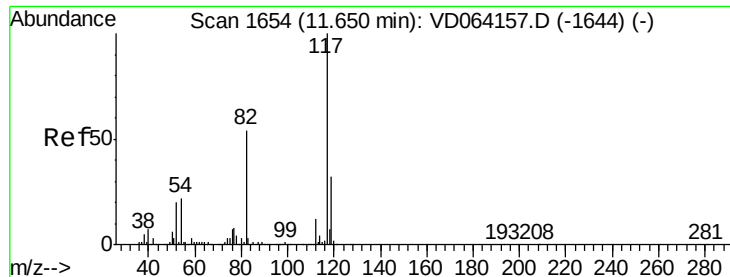
Ion Ratio Lower Upper

95 100

174 92.9 0.0 183.6

176 90.7 0.0 180.2





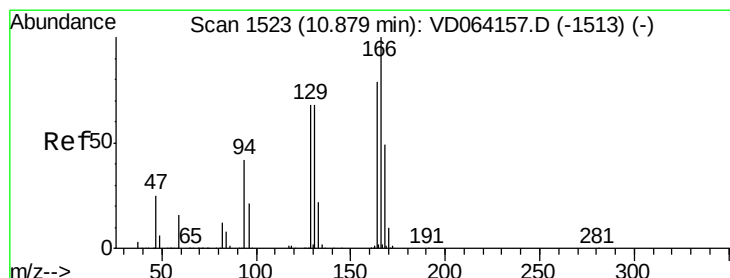
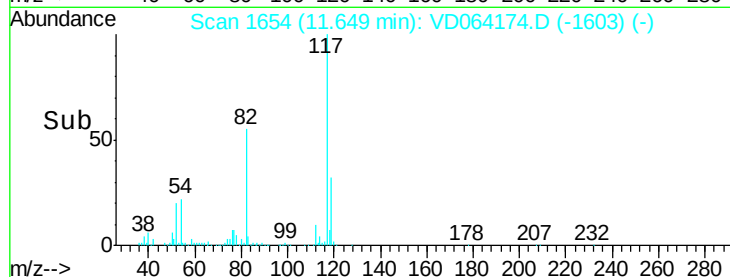
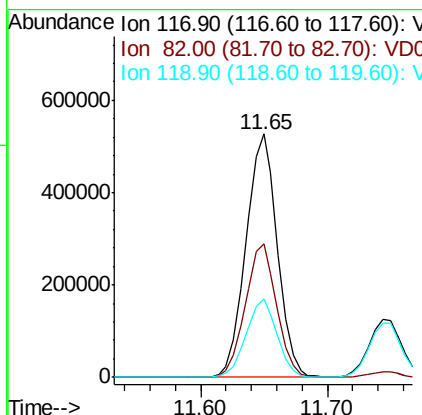
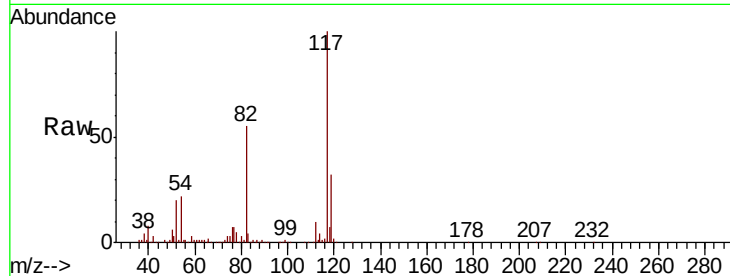
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.8	64.2
119	32.5	25.6	38.4

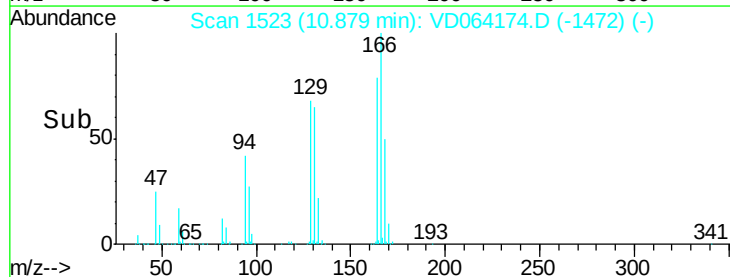
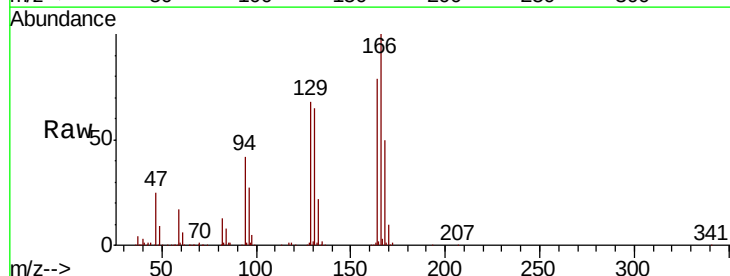
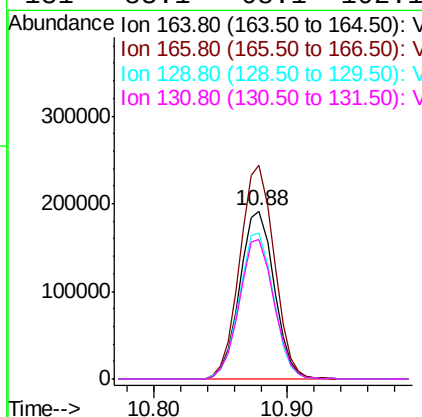
Manual Integrations
APPROVED

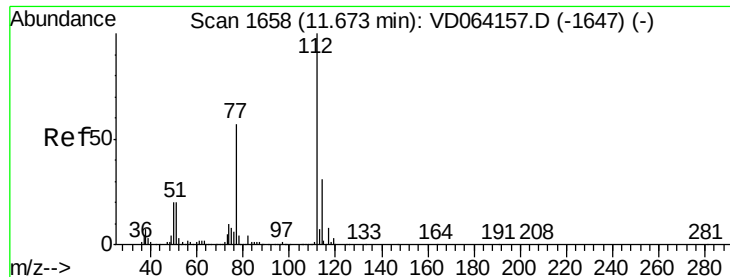
MMDadoda
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#64
Tetrachloroethene
Concen: 49.183 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	100.8	151.2
129	86.9	68.7	103.1
131	83.1	68.1	102.1





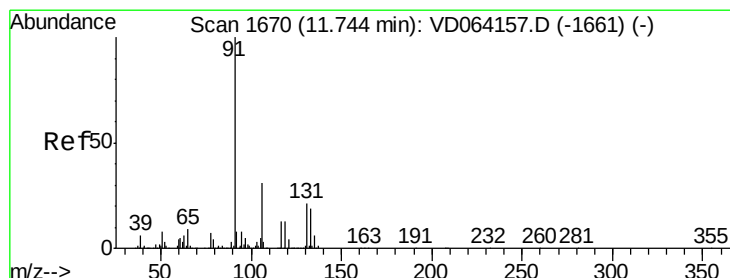
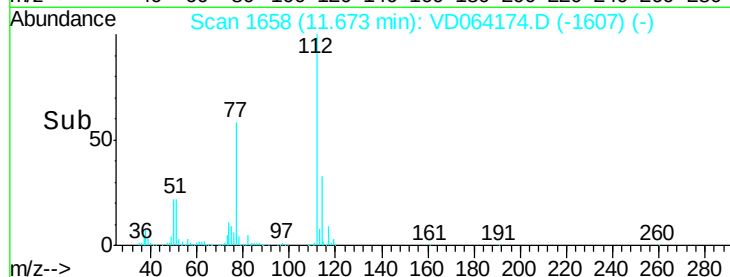
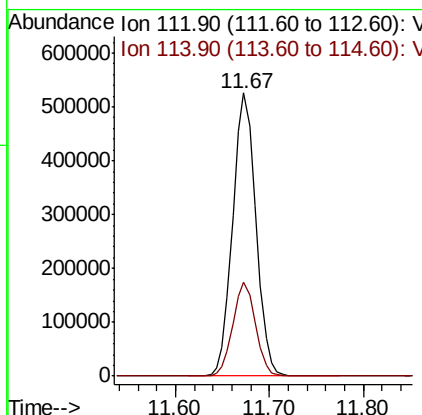
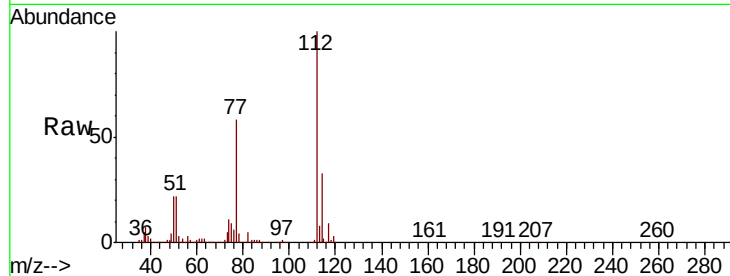
#65
Chlorobenzene
Concen: 49.057 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	25.2	37.8

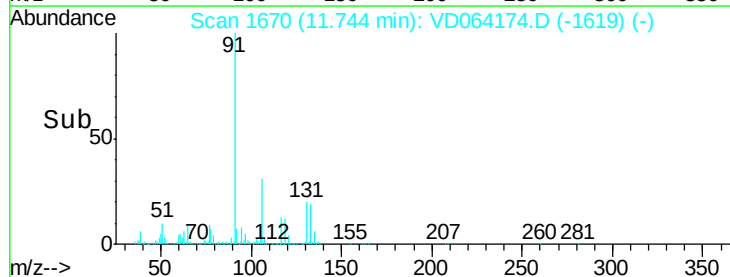
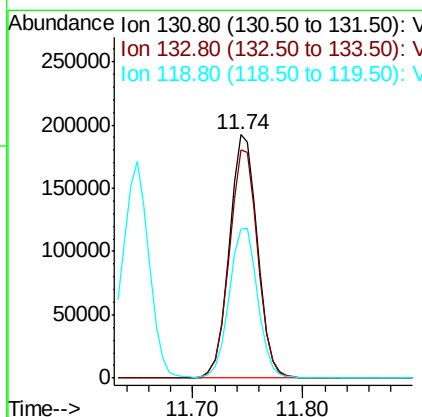
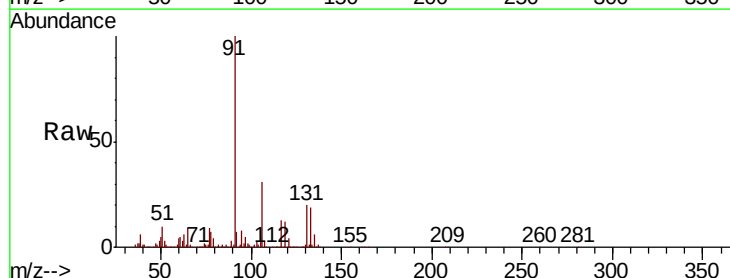
Manual Integrations
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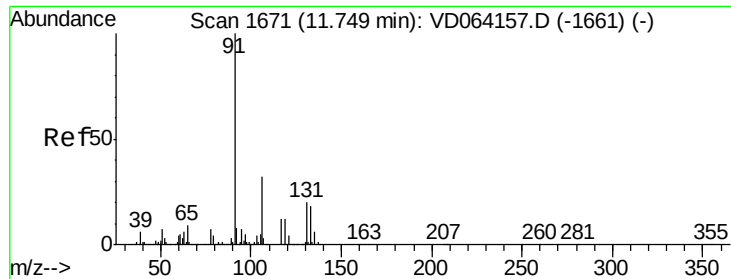
MMDadoda
11/12/2019 10:25:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.989 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	141.9
119	62.7	31.1	93.3





#67

Ethyl Benzene

Concen: 50.329 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1674270

Ion Ratio Lower Upper

91 100

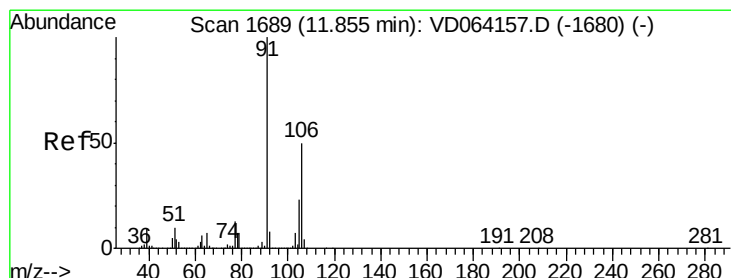
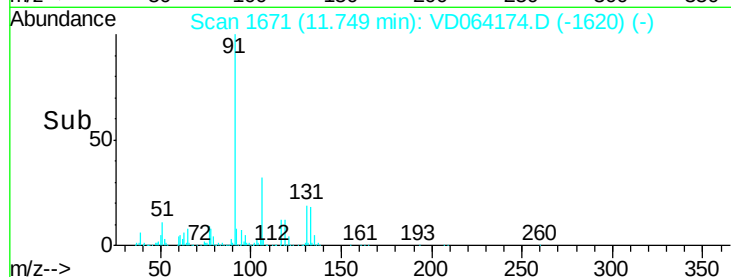
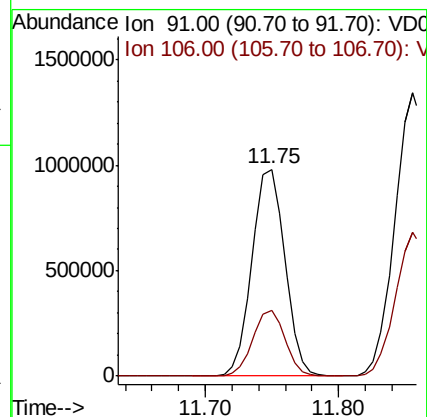
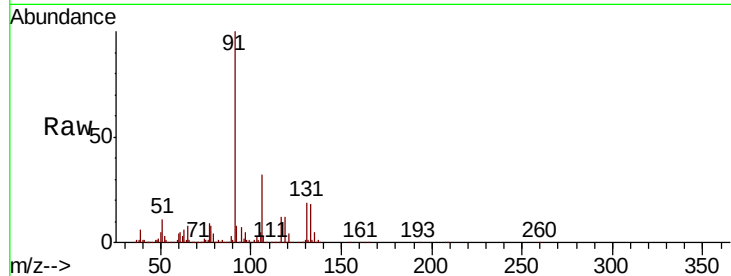
106 31.8 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 101.062 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064174.D

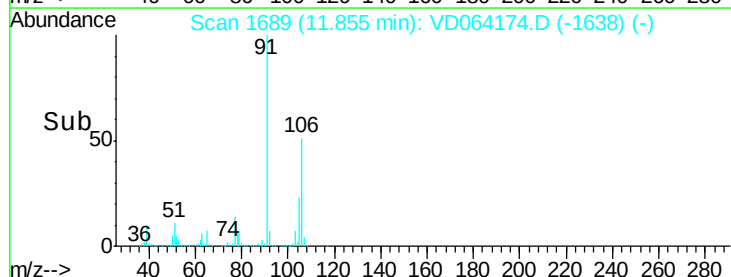
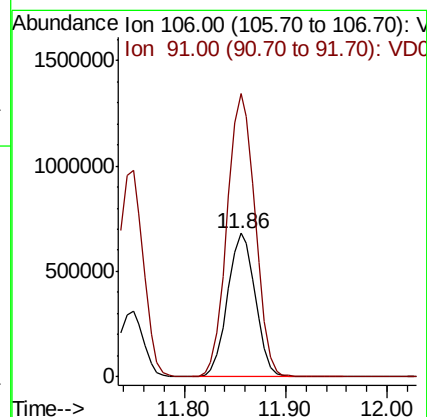
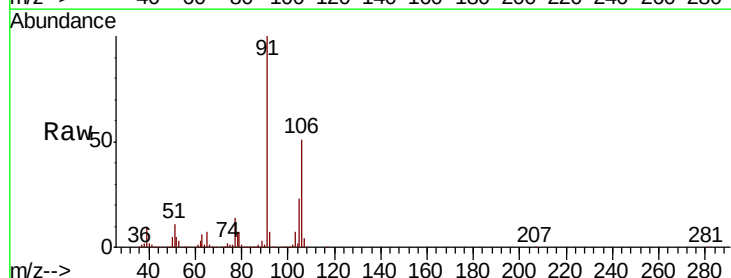
Acq: 11 Nov 2019 13:16

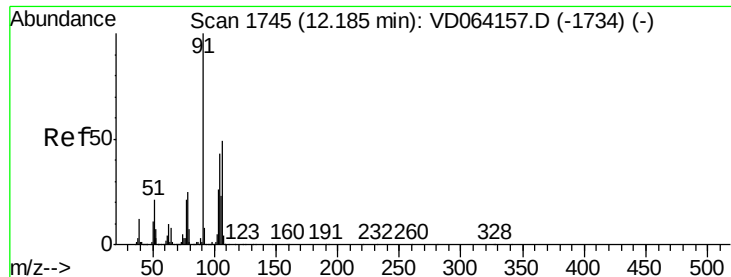
Tgt Ion: 106 Resp: 1288660

Ion Ratio Lower Upper

106 100

91 199.3 160.3 240.5





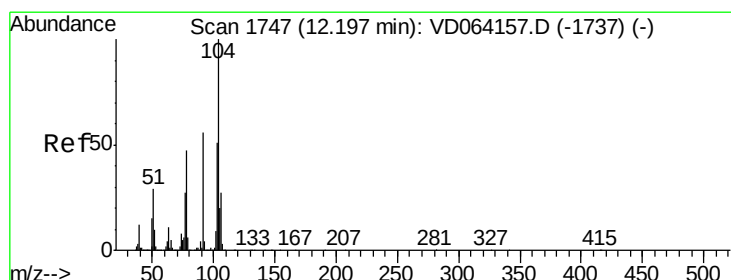
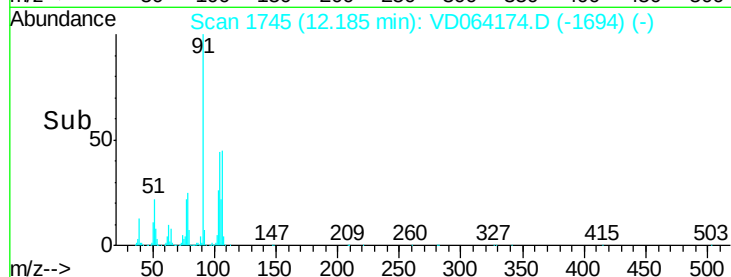
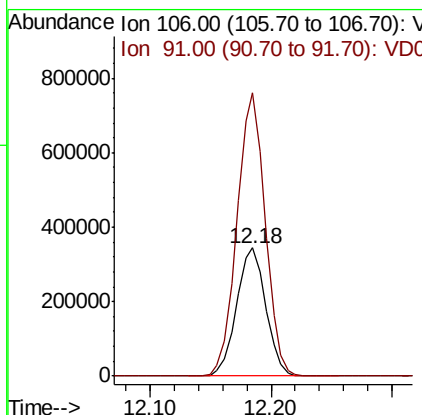
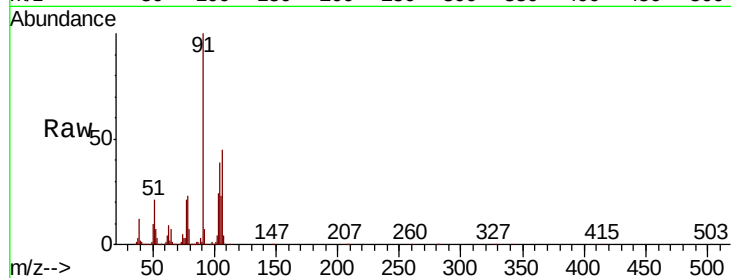
#69
o-Xylene
Concen: 48.999 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	105.1	315.3

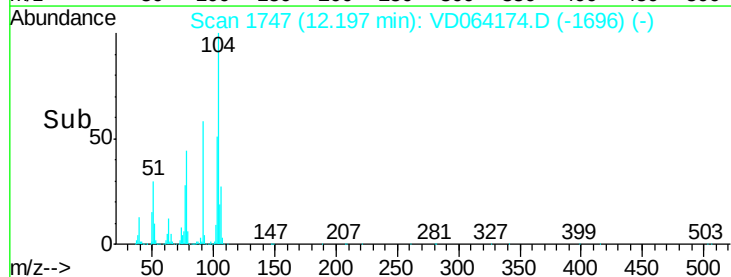
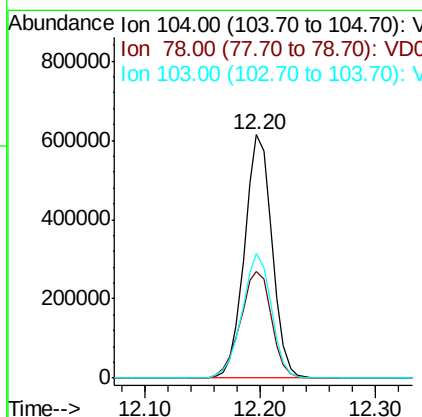
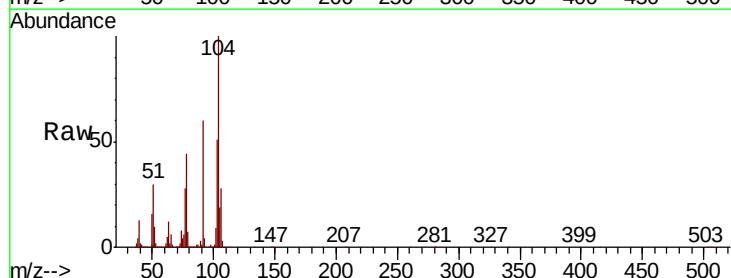
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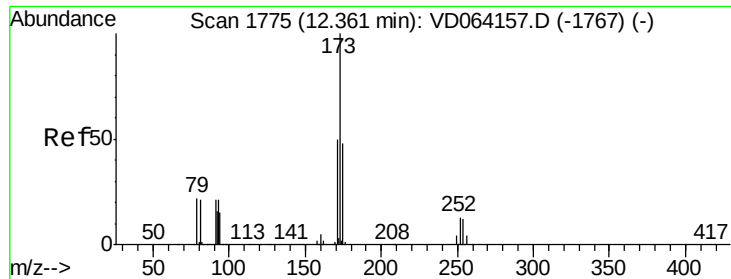
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#70
Styrene
Concen: 49.391 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.5	39.9	59.9
103	54.3	43.4	65.0





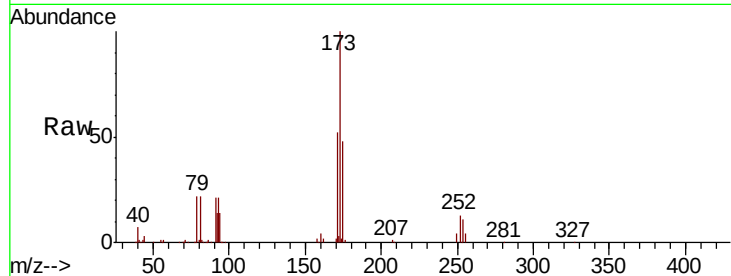
#71
Bromoform
Concen: 47.172 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

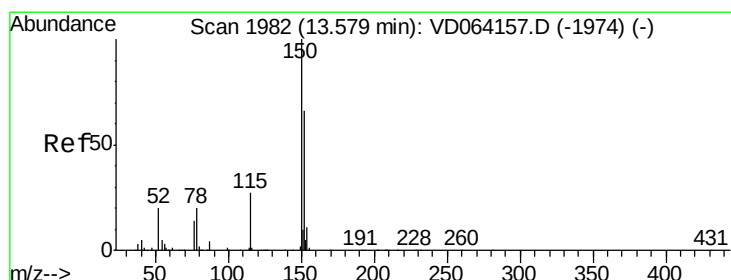
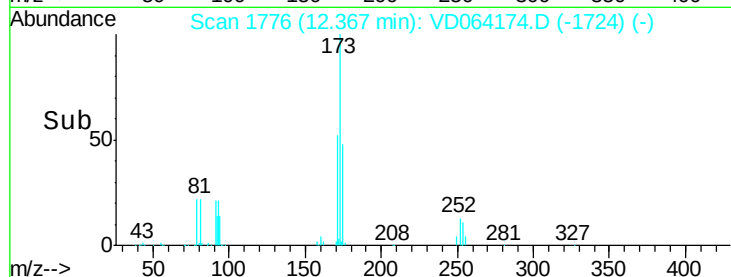
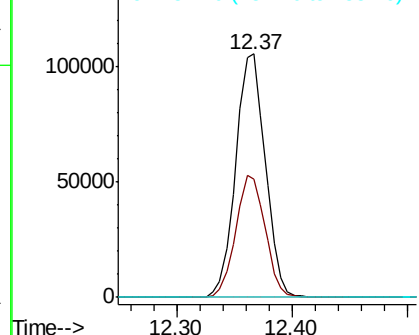
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.1	72.3
254	0.1	0.2	0.2

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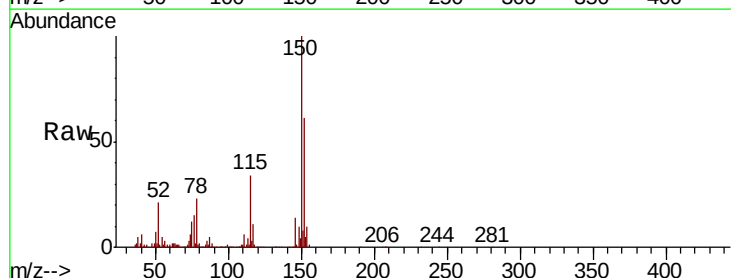


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

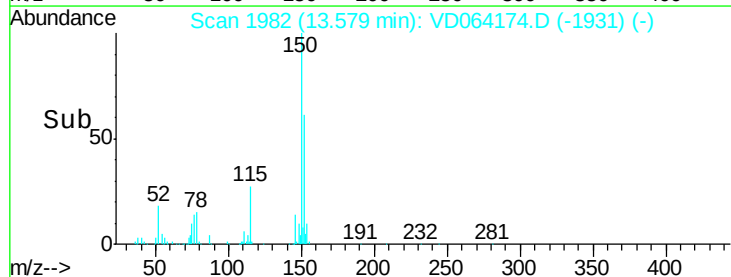
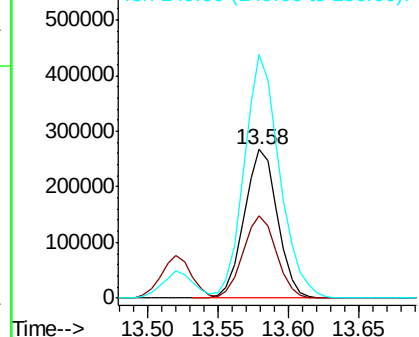


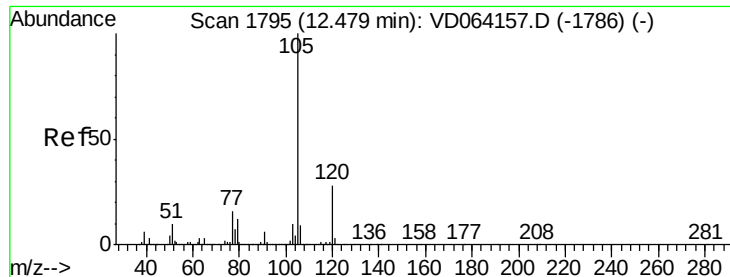
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.4	82.2
150	173.5	0.0	351.6



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: 50.019 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1618933

Ion Ratio Lower Upper

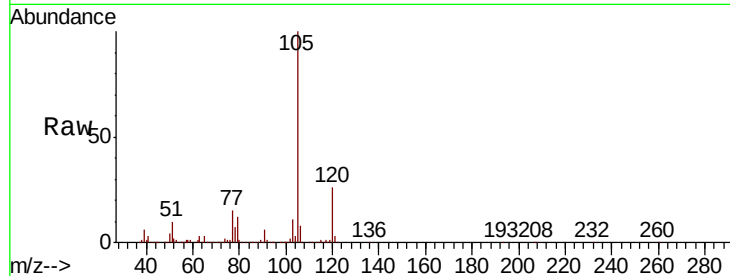
105 100

120 26.7 13.6 40.8

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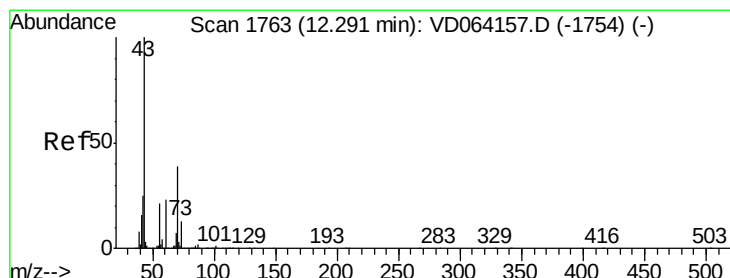
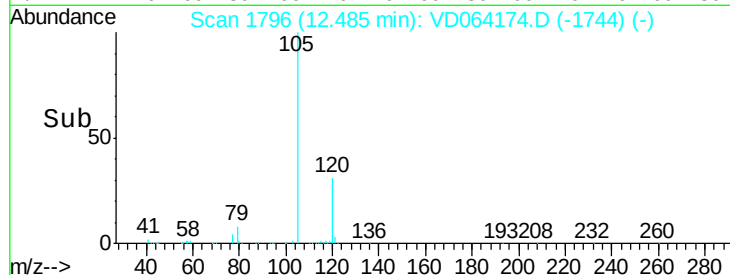
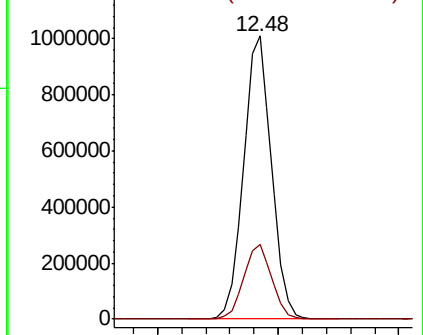
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.356 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Tgt Ion: 43 Resp: 354308

Ion Ratio Lower Upper

43 100

70 40.3 32.4 48.6

55 21.8 17.9 26.9

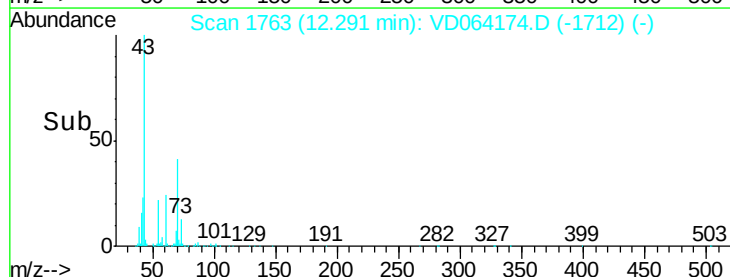
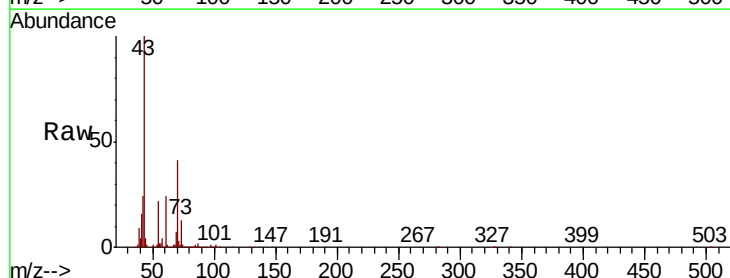
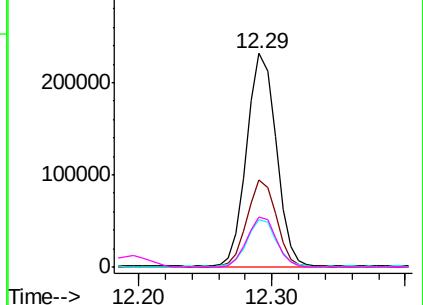
61 23.1 19.0 28.4

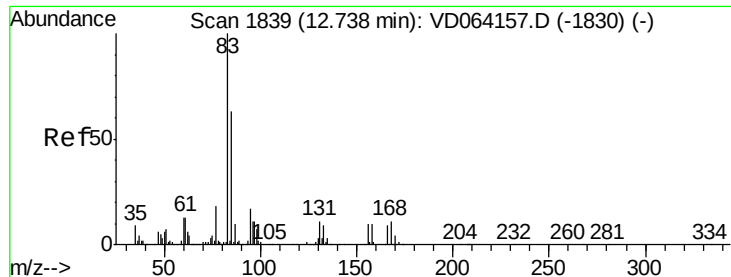
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.331 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

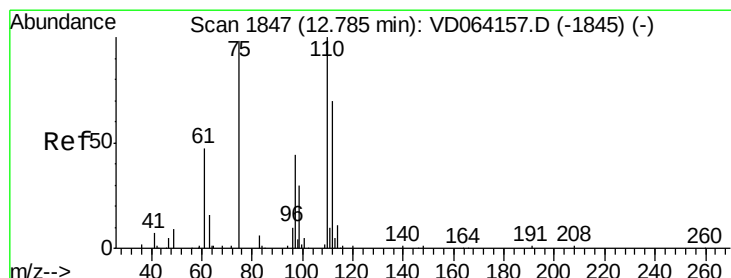
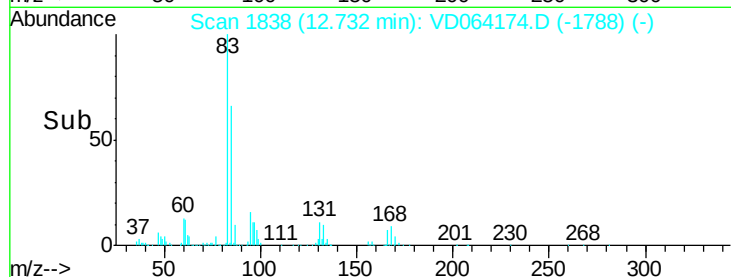
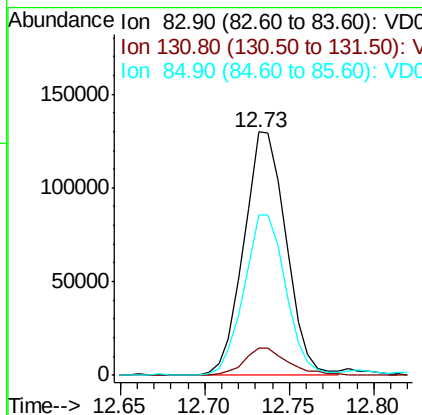
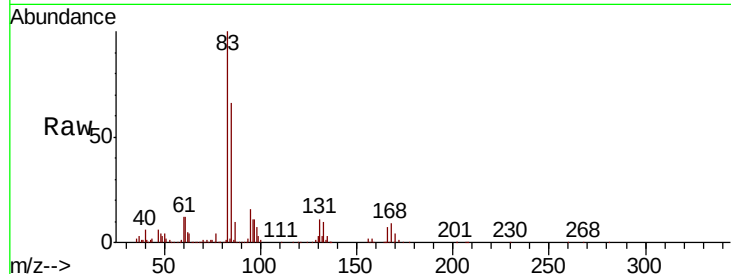
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	225956
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.9	17.7
85	64.7	32.5	97.5

Manual Integrations
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11/12/2019 10:25:40 AM



#76

1,2,3-Trichloropropane

Concen: 48.024 ug/l m

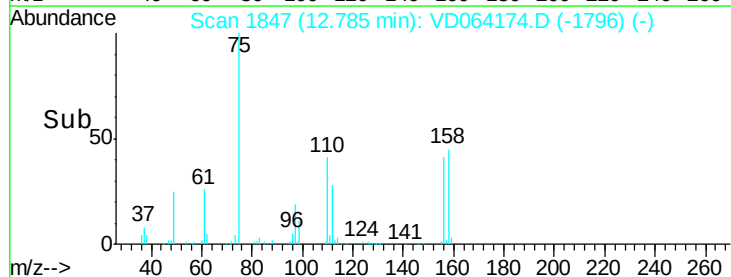
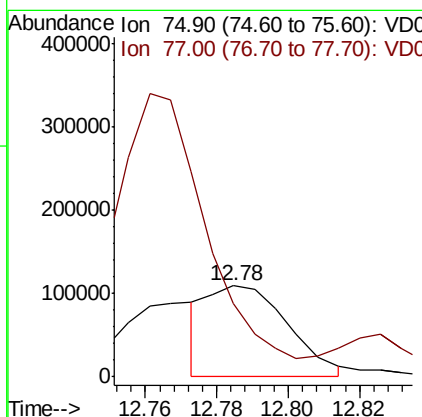
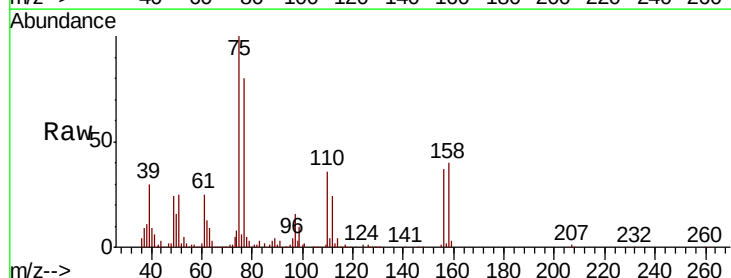
RT: 12.78 min Scan# 1847

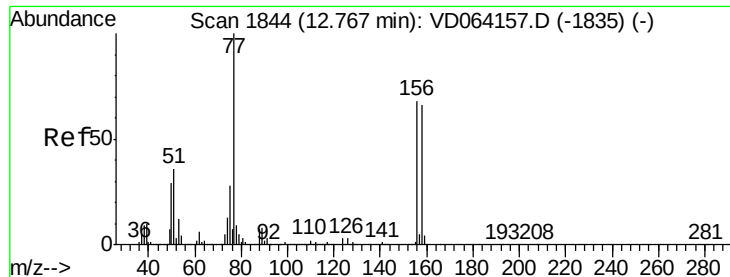
Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Tgt Ion:	75	Resp:	170570
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.215 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

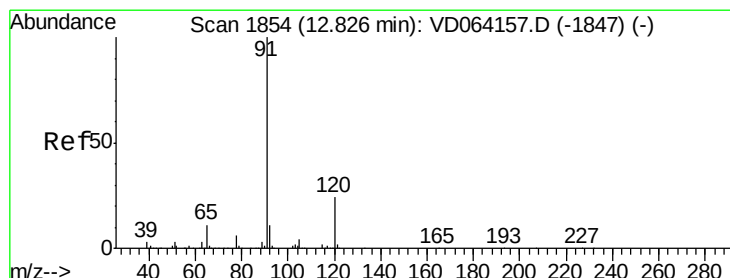
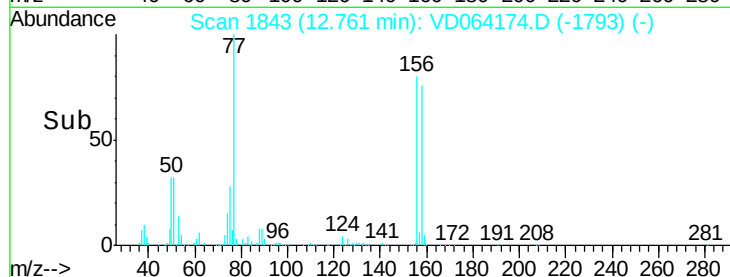
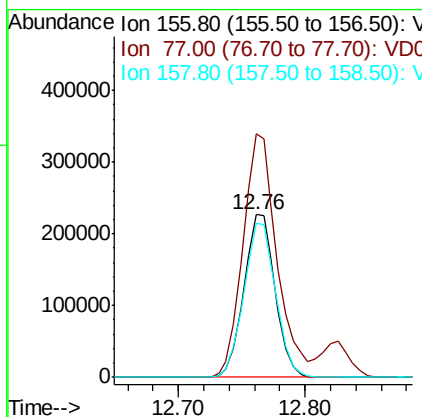
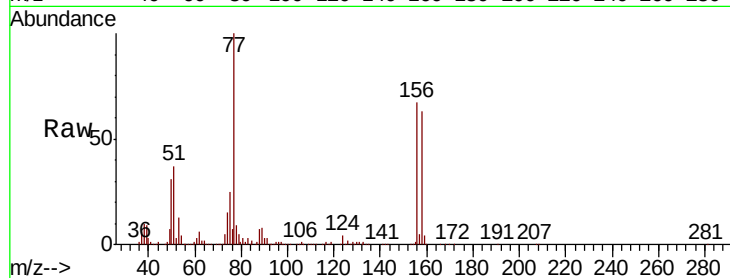
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	386986
Ion	Ratio	Lower	Upper
156	100		
77	163.0	81.2	243.4
158	96.6	48.4	145.2

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#78

n-propylbenzene

Concen: 50.392 ug/l

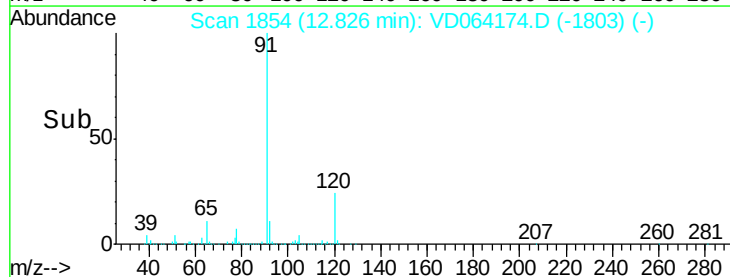
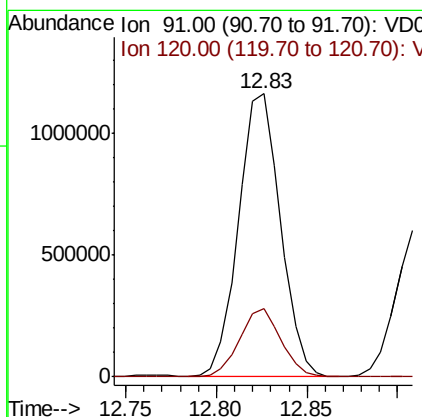
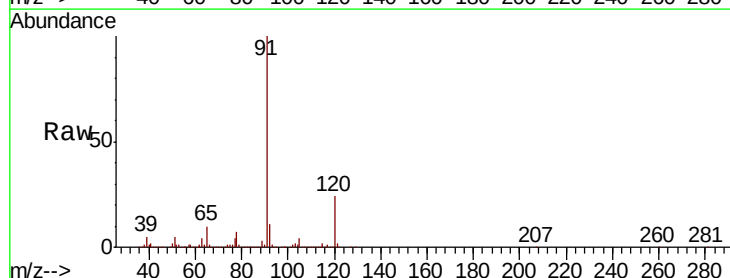
RT: 12.83 min Scan# 1854

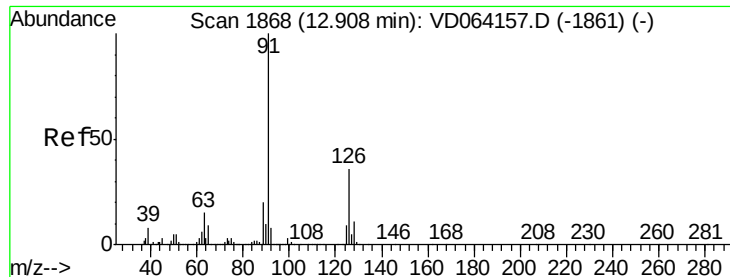
Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Tgt Ion:	91	Resp:	1863456
Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.8	35.4





#79

2-Chlorotoluene

Concen: 49.759 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1038847

Ion Ratio Lower Upper

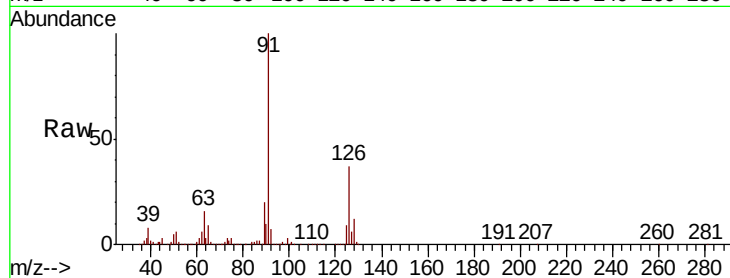
91 100

126 35.5 17.7 53.1

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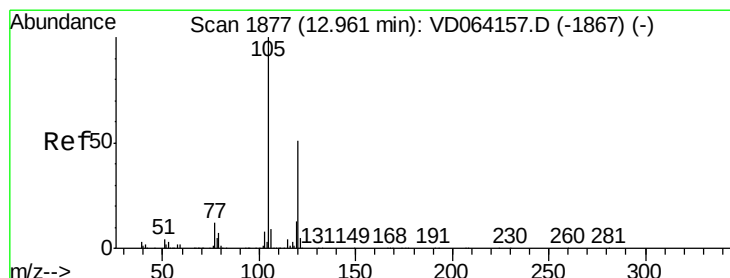
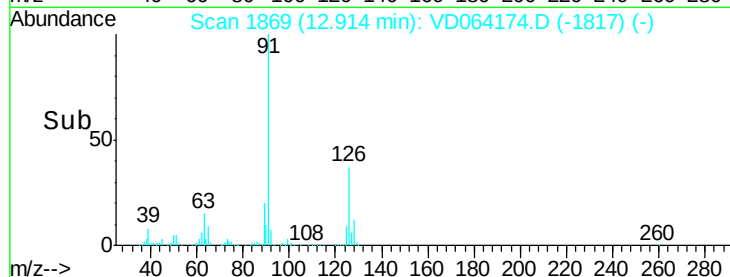
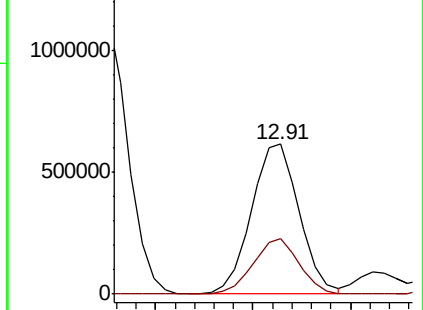
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.251 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD064174.D

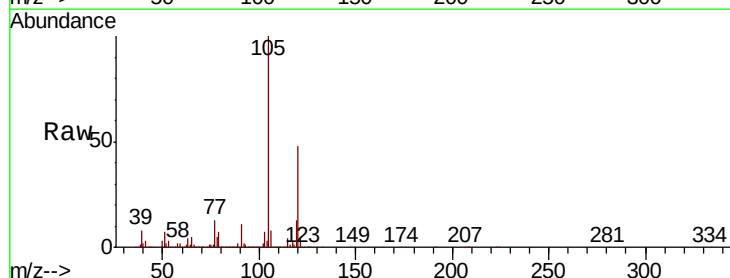
Acq: 11 Nov 2019 13:16

Tgt Ion: 105 Resp: 1336457

Ion Ratio Lower Upper

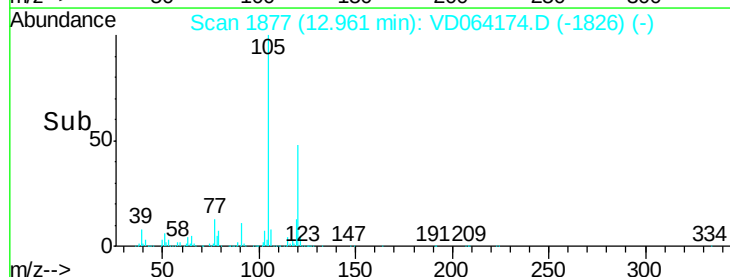
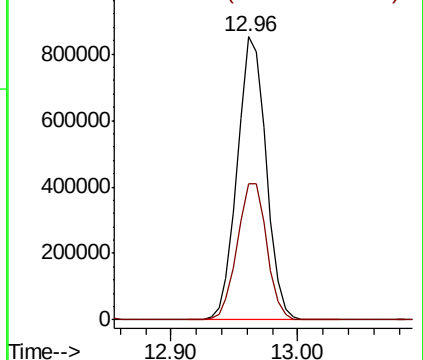
105 100

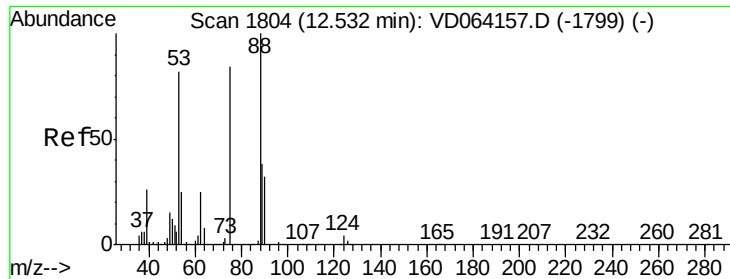
120 49.7 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





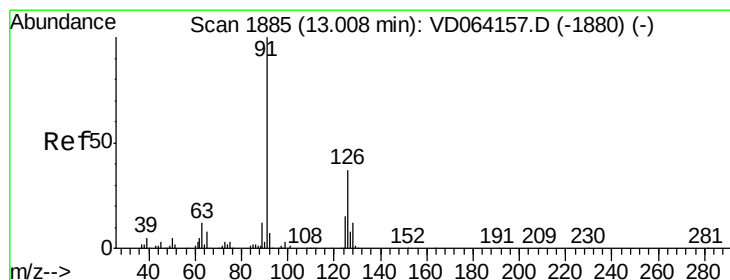
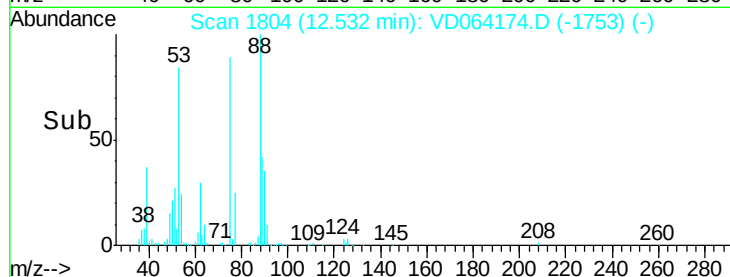
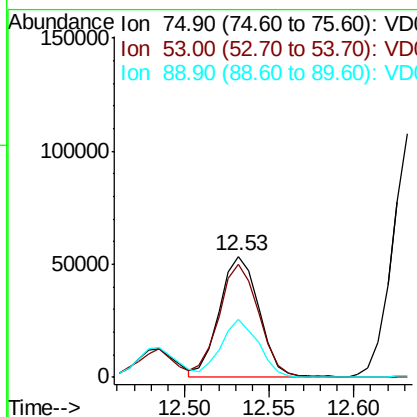
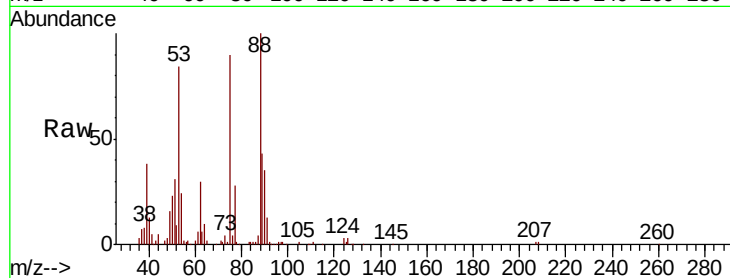
#81
trans-1,4-Dichloro-2-butene
Concen: 47.947 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.6	79.4	119.0
89	46.5	36.6	55.0

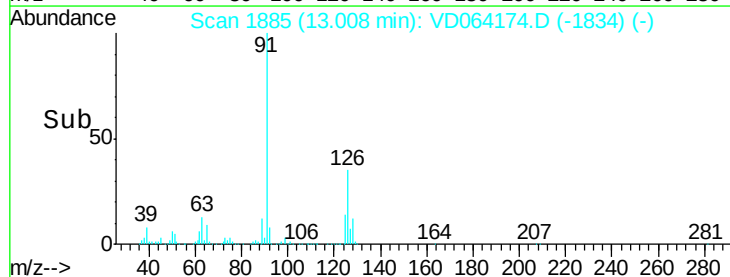
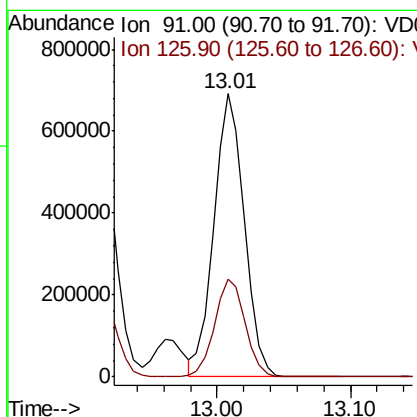
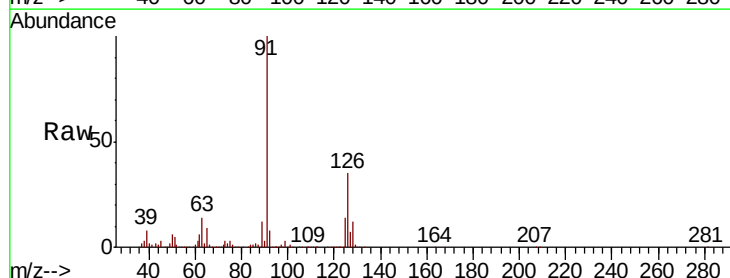
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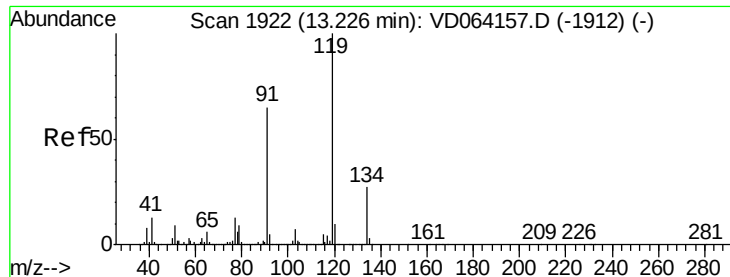
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.696 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.8	53.4





#83

tert-Butylbenzene

Concen: 50.034 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

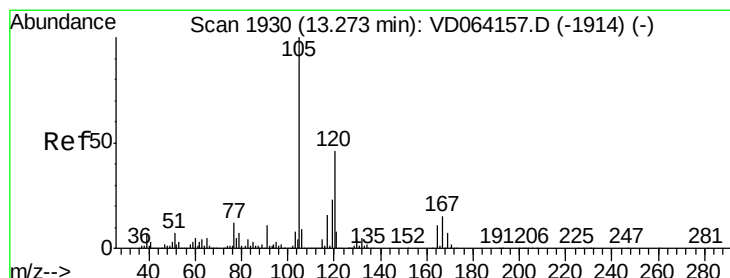
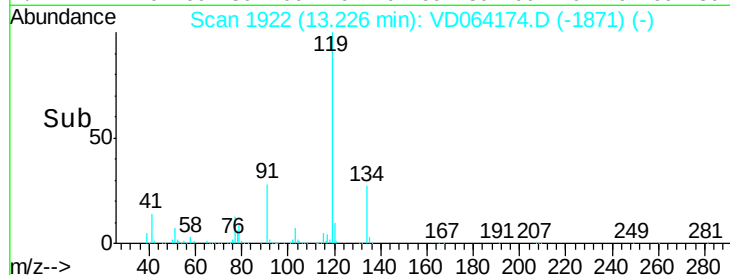
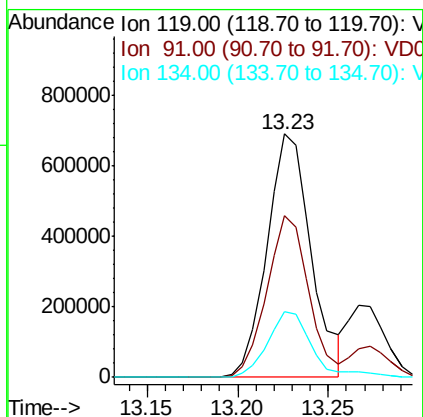
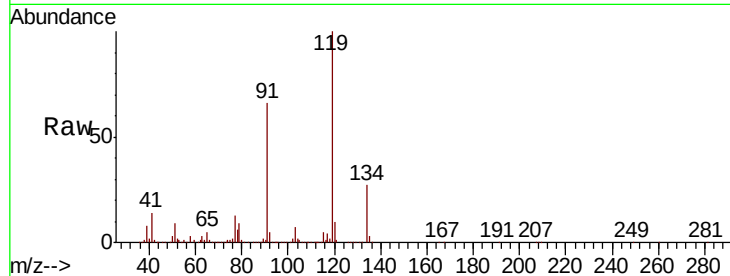
VSTDCCC050

Tot Ion:119 Resp: 1173351

Ion	Ratio	Lower	Upper
119	100		
91	62.9	31.8	95.4
134	27.5	13.7	41.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.789 ug/l

RT: 13.27 min Scan# 1930

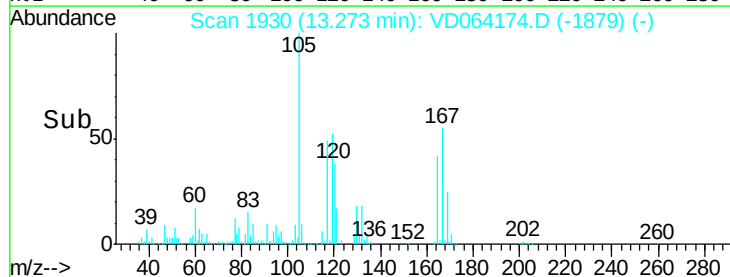
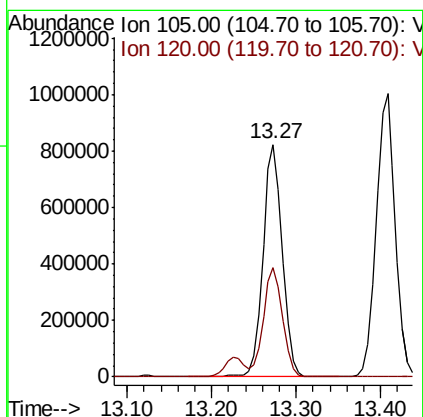
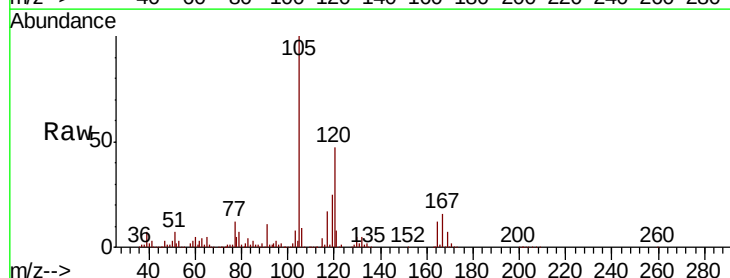
Delta R.T. -0.00 min

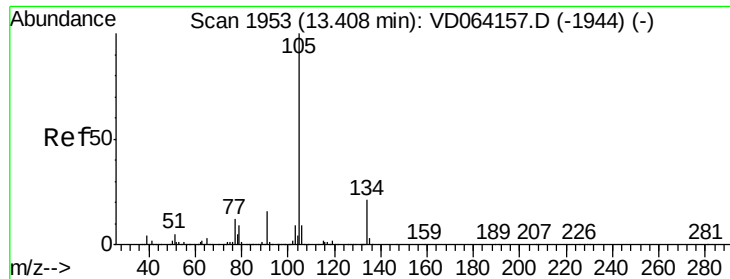
Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Tgt Ion:105 Resp: 1307282

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.3	69.8





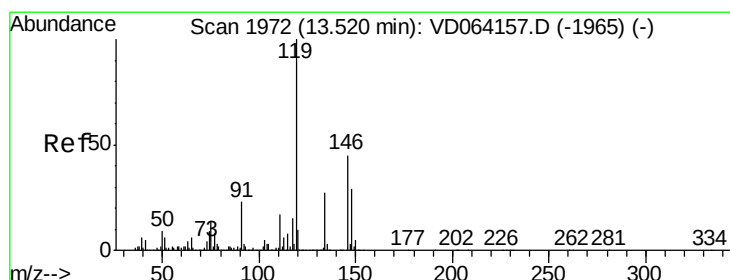
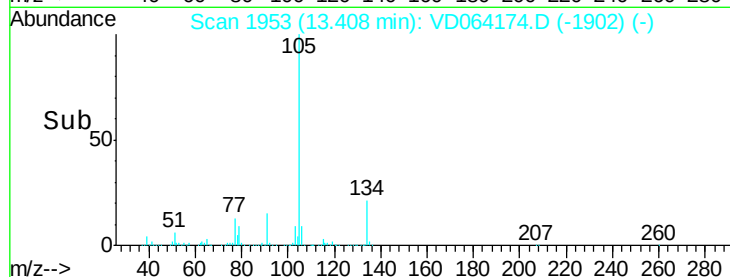
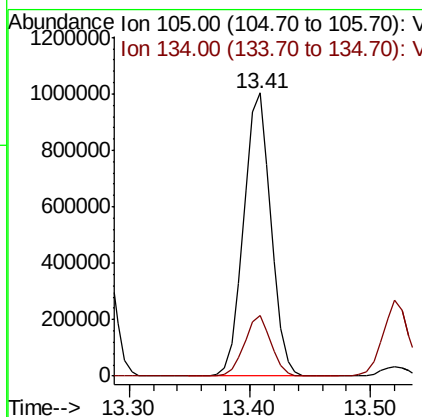
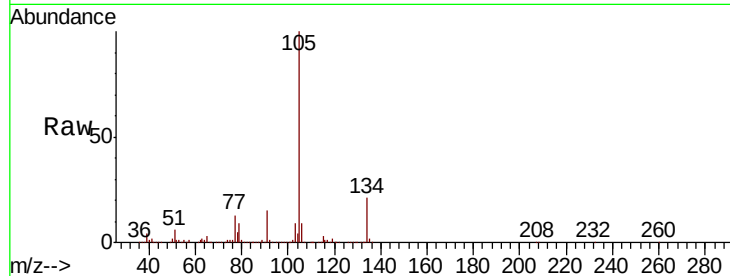
#85
 sec-Butylbenzene
 Concen: 50.062 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1576814
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.7 31.9

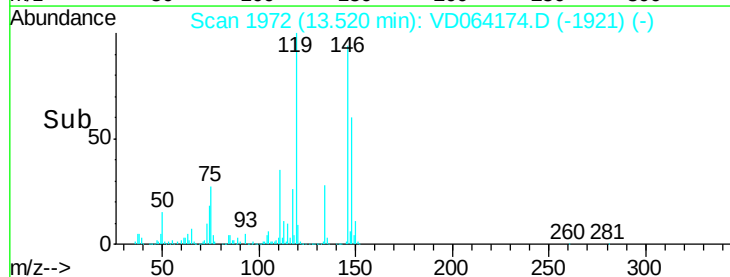
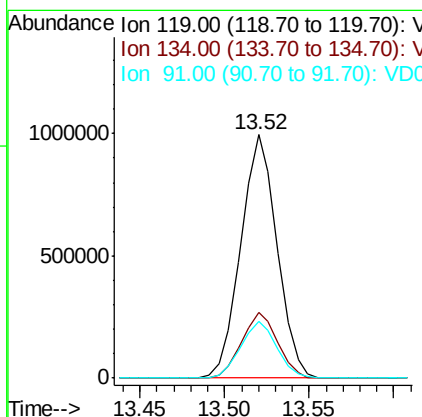
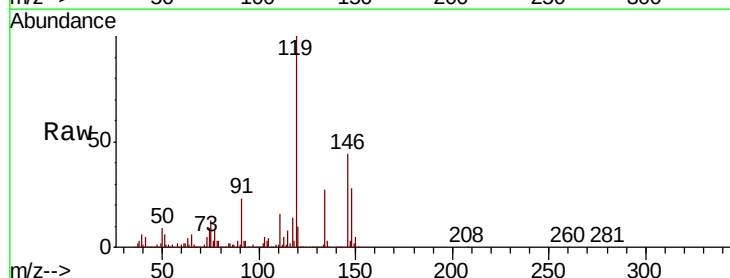
Manual Integrations
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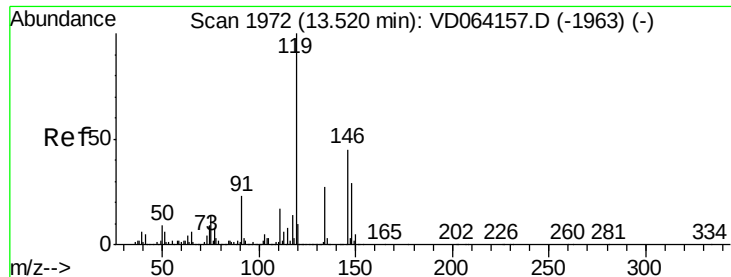
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#86
 p-Isopropyltoluene
 Concen: 49.613 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion:119 Resp: 1485613
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.5
 91 23.2 11.5 34.4





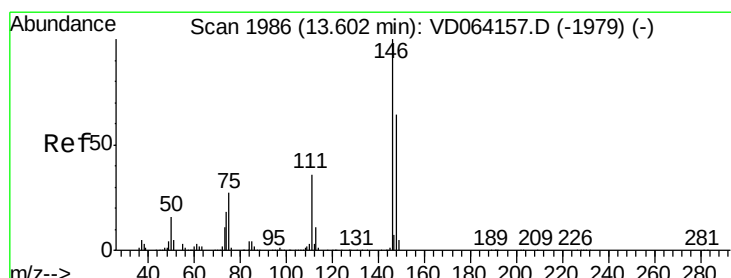
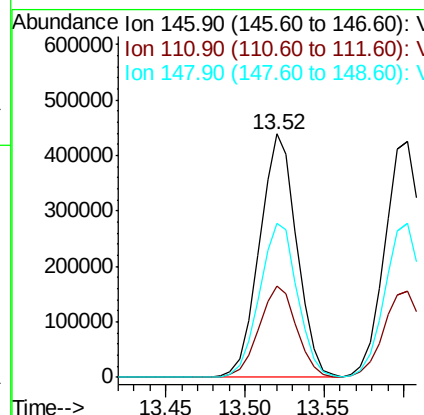
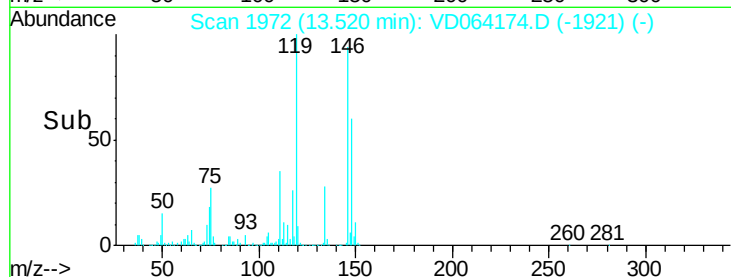
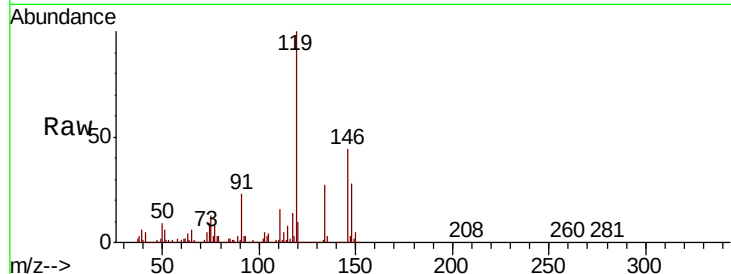
#87
 1,3-Dichlorobenzene
 Concen: 49.051 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	64.5	32.1	96.5

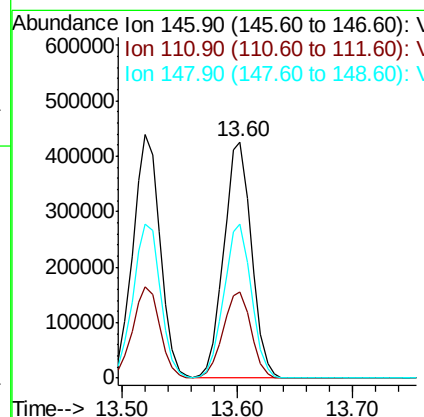
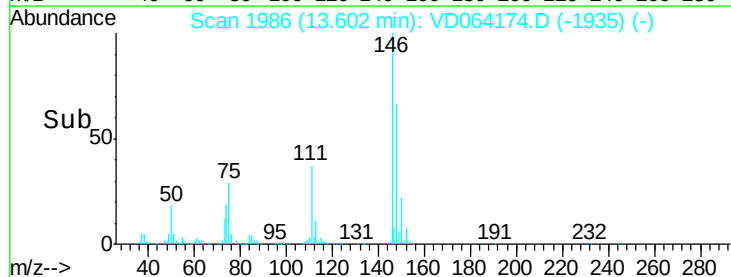
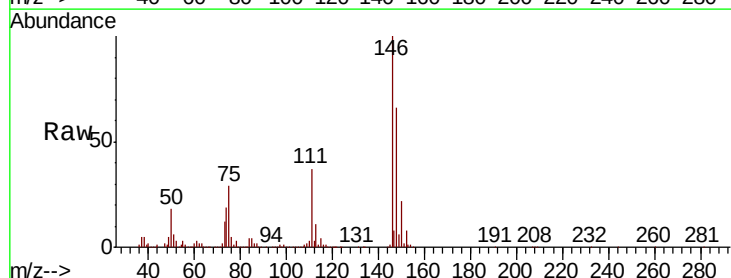
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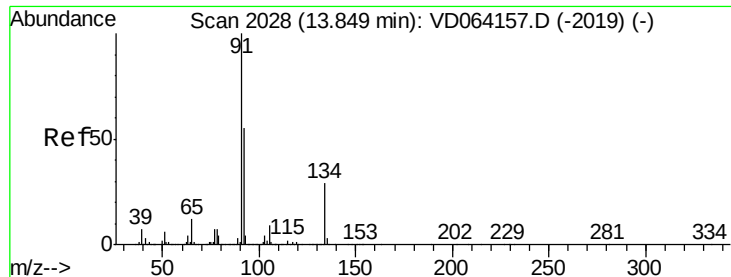
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#88
 1,4-Dichlorobenzene
 Concen: 49.517 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.4
148	64.8	31.9	95.7





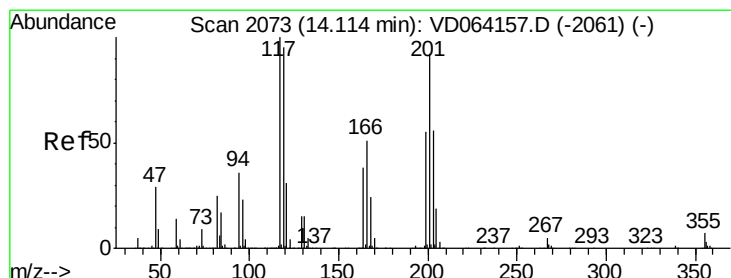
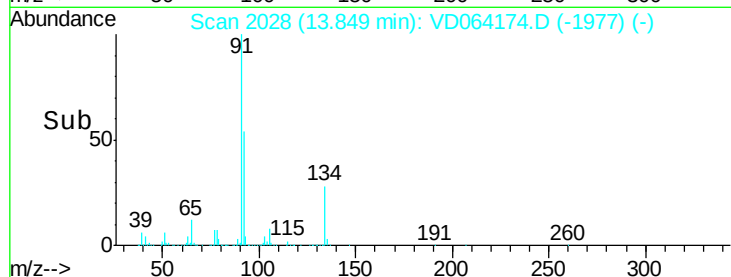
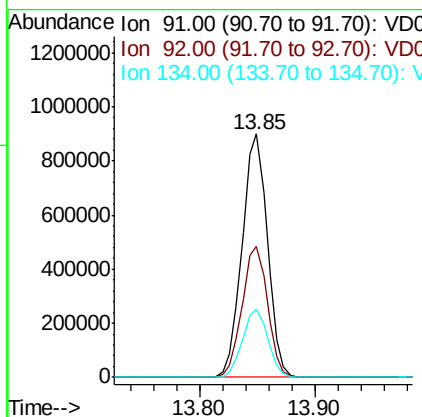
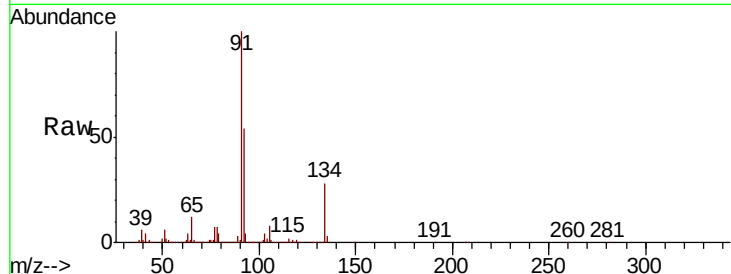
#89
n-Butylbenzene
Concen: 50.559 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1367772
Ion Ratio Lower Upper
91 100
92 54.1 27.3 81.8
134 27.9 14.1 42.4

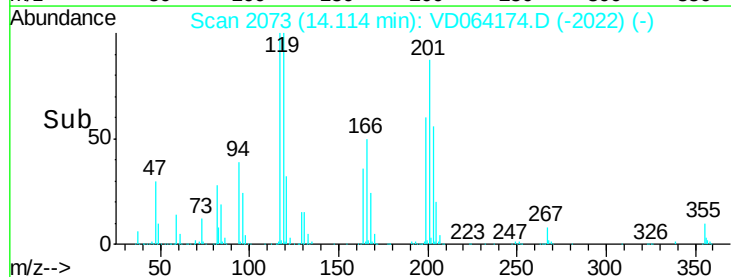
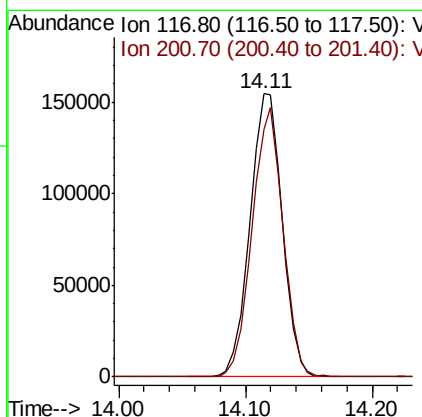
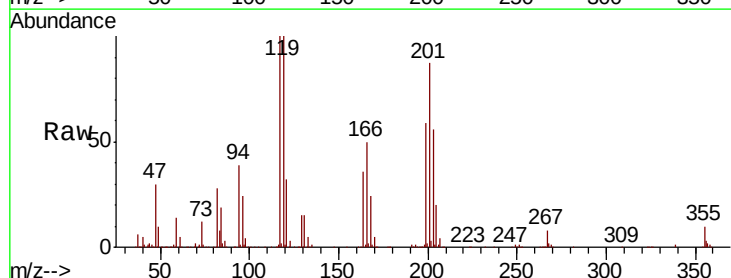
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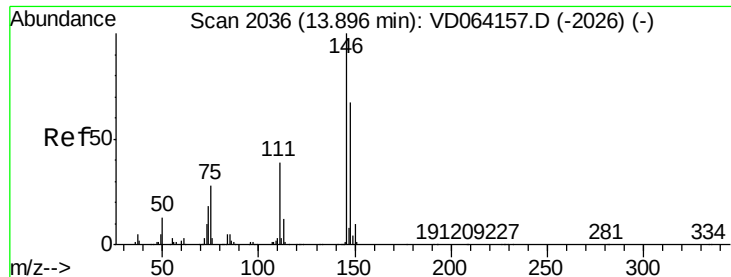
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11/12/2019 10:25:40 AM



#90
Hexachloroethane
Concen: 49.481 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 117 Resp: 273826
Ion Ratio Lower Upper
117 100
201 91.1 45.8 137.4





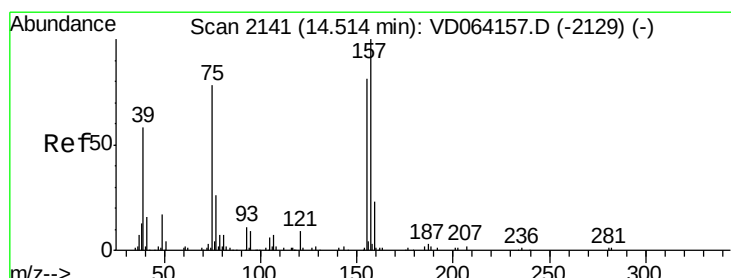
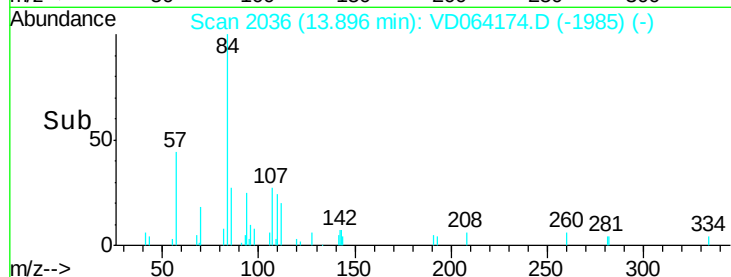
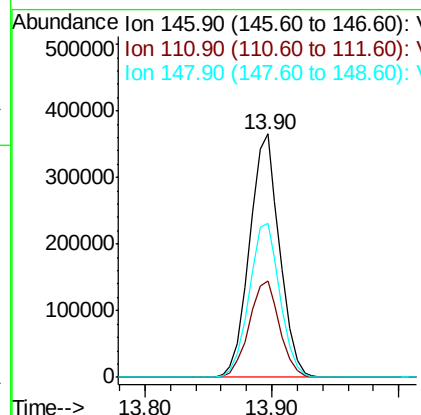
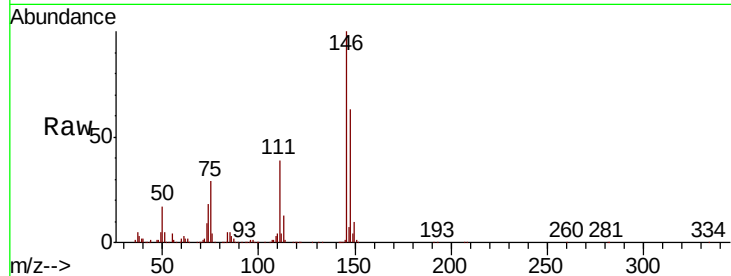
#91
1,2-Dichlorobenzene
Concen: 48.658 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.0
148	64.5	32.3	96.8

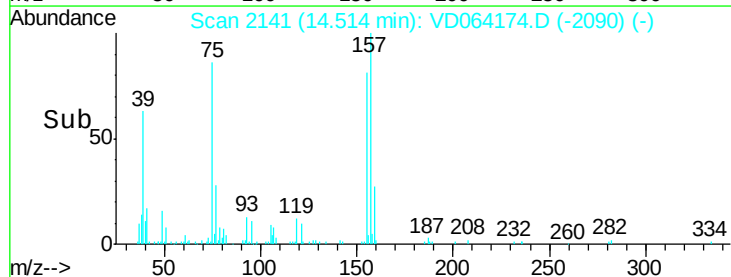
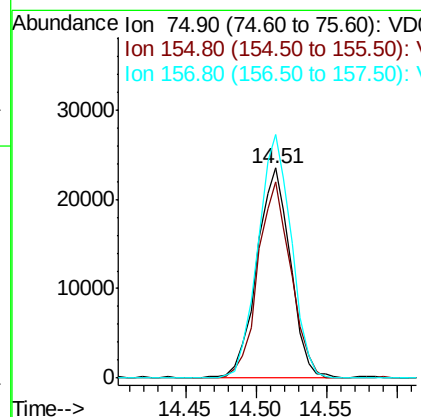
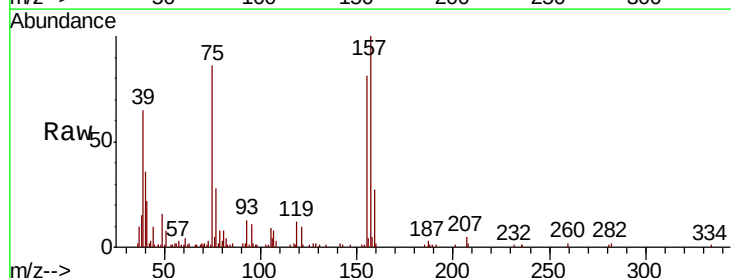
Manual Integrations
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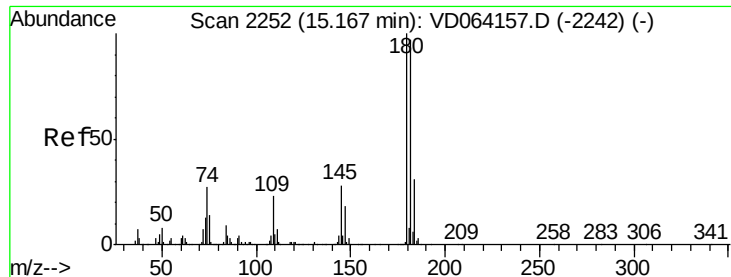
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#92
1,2-Dibromo-3-Chloropropane
Concen: 45.140 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	48.0	144.0
157	115.1	61.5	184.4





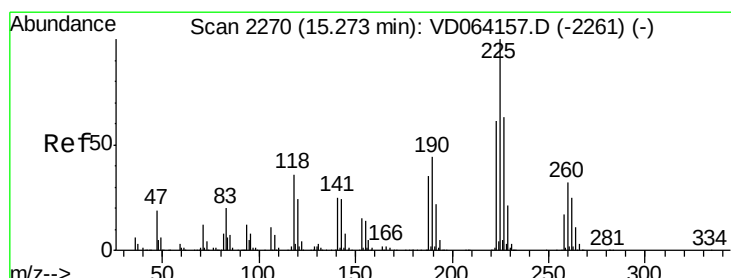
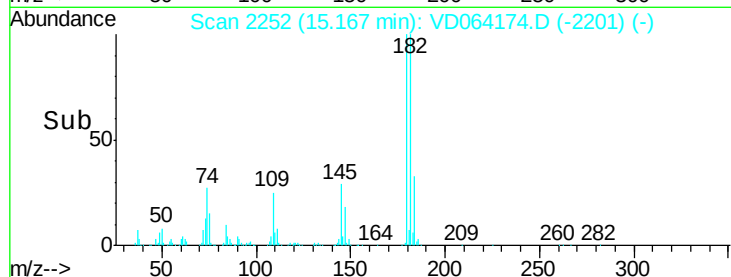
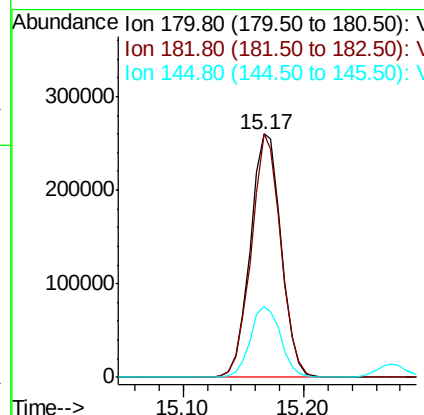
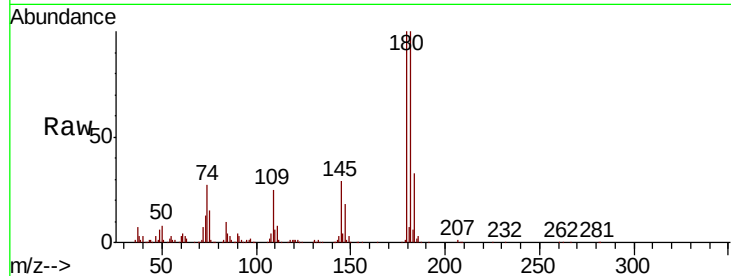
#93
1,2,4-Trichlorobenzene
Concen: 48.559 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	462782		
182	95.5	47.5	142.5	
145	29.0	14.2	42.6	

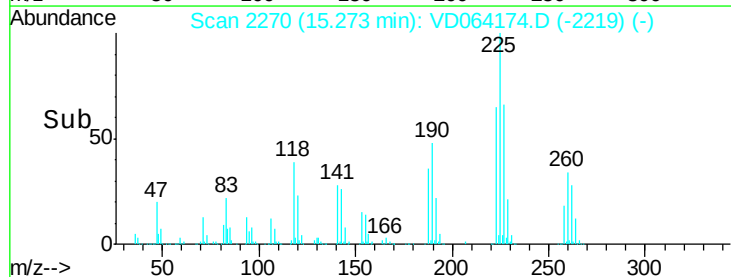
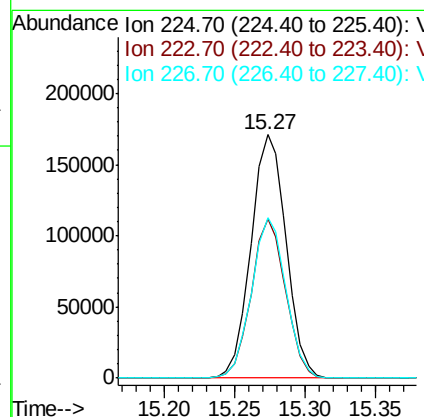
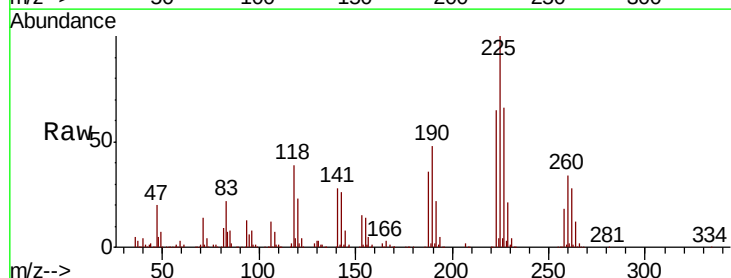
Manual Integrations
APPROVED

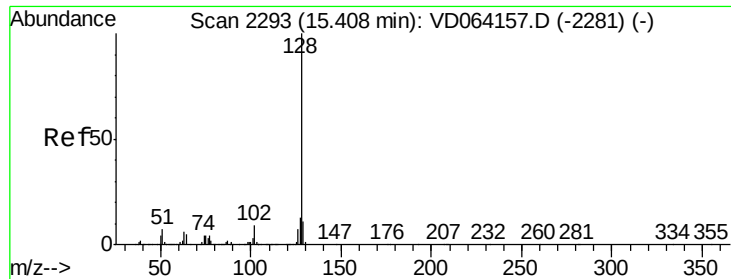
MMDadoda
11/12/2019 10:25:40 AM



#94
Hexachlorobutadiene
Concen: 48.668 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	299586		
223	63.4	31.1	93.3	
227	64.5	31.5	94.5	





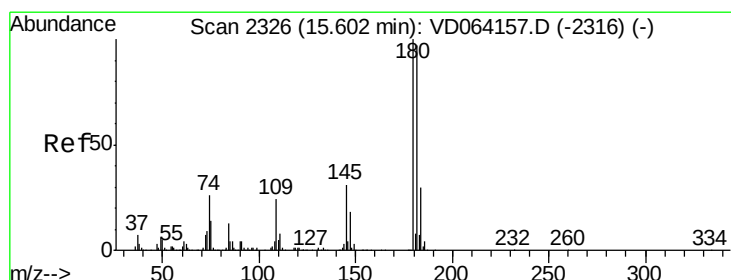
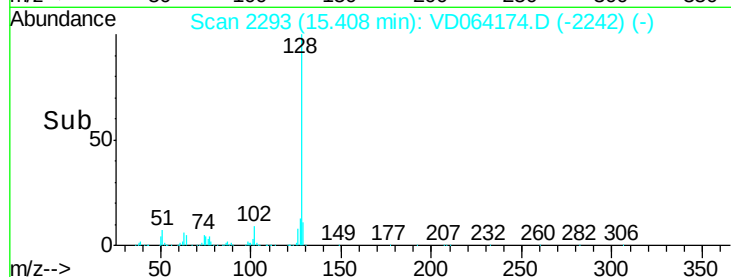
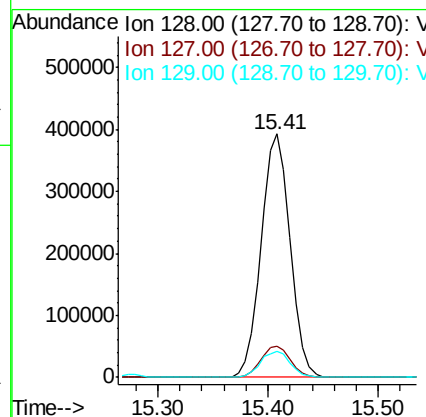
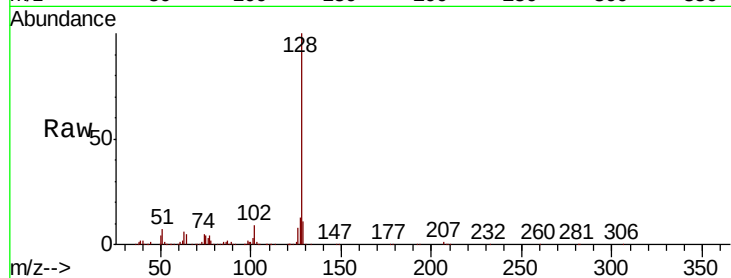
#95
Naphthalene
Concen: 46.236 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.405 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.9
145	29.5	15.3	45.8

