

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111219\
 Data File : VD064195.D
 Acq On : 12 Nov 2019 14:35
 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
 11/13/2019 9:38:51 AM

Quant Time: Nov 13 04:22:19 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	606868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	875160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	757301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	376344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	258665	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
35) Dibromofluoromethane	7.92	113	253770	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.34	98	983461	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.64	95	323251	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	225162	44.735	ug/l	100
3) Chloromethane	2.21	50	283441	52.502	ug/l	98
4) Vinyl Chloride	2.35	62	316066	54.747	ug/l	97
5) Bromomethane	2.77	94	200408	54.973	ug/l	96
6) Chloroethane	2.93	64	209261	56.726	ug/l	98
7) Trichlorofluoromethane	3.27	101	516402	55.170	ug/l	98
8) Diethyl Ether	3.71	74	129547	50.336	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	253298	47.347	ug/l	99
10) Methyl Iodide	4.30	142	271080	44.617	ug/l	99
11) Tert butyl alcohol	5.26	59	81036	232.456	ug/l	95
12) 1,1-Dichloroethene	4.06	96	249452	48.918	ug/l	97
13) Acrolein	3.93	56	70133	237.808	ug/l	97
14) Allyl chloride	4.71	41	435929	48.350	ug/l	96
15) Acrylonitrile	5.43	53	268315	244.548	ug/l	99
16) Acetone	4.17	43	317424	268.457	ug/l	96
17) Carbon Disulfide	4.40	76	780713	49.162	ug/l	99
18) Methyl Acetate	4.73	43	154063	46.651	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	605003	49.698	ug/l	97
20) Methylene Chloride	4.96	84	279900	46.863	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	288031	49.855	ug/l	98
22) Diisopropyl ether	6.37	45	843213	50.405	ug/l	98
23) Vinyl Acetate	6.31	43	2416126	259.101	ug/l	100
24) 1,1-Dichloroethane	6.27	63	490737	50.523	ug/l	100
25) 2-Butanone	7.23	43	383770	251.224	ug/l	99
26) 2,2-Dichloropropane	7.21	77	460910	48.387	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	311162	50.223	ug/l	98
28) Bromochloromethane	7.55	49	182010	53.823	ug/l	99
29) Tetrahydrofuran	7.57	42	229269	249.799	ug/l	98
30) Chloroform	7.71	83	516657	52.001	ug/l	100
31) Cyclohexane	7.98	56	436638	44.573	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	468002	49.193	ug/l	99
36) 1,1-Dichloropropene	8.11	75	392739	48.624	ug/l	99
37) Ethyl Acetate	7.30	43	162824	47.818	ug/l	97
38) Carbon Tetrachloride	8.10	117	414780	47.993	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	477607	46.731	ug/l	98
40) Benzene	8.35	78	1094634	49.588	ug/l	98
41) Methacrylonitrile	7.53	41	93804	43.831	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	323833	48.845	ug/l	100
43) Isopropyl Acetate	8.46	43	341030	48.609	ug/l	98
44) Trichloroethene	9.11	130	322809	48.724	ug/l	97
45) 1,2-Dichloropropane	9.39	63	268659	50.003	ug/l	100
46) Dibromomethane	9.48	93	144463	50.223	ug/l	99
47) Bromodichloromethane	9.67	83	390146	50.355	ug/l	98
48) Methyl methacrylate	9.46	41	156493	45.617	ug/l	94
49) 1,4-Dioxane	9.47	88	35083	1015.558	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	809872	240.719	ug/l	99
52) Toluene	10.41	92	711797	49.038	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	376877	48.553	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	443666	48.981	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	198018	50.747	ug/l	99
56) Ethyl methacrylate	10.67	69	267274	48.965	ug/l	98
57) 1,3-Dichloropropane	10.95	76	338499	49.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	513958	232.446	ug/l	98
59) 2-Hexanone	10.99	43	584686	244.273	ug/l	100
60) Dibromochloromethane	11.14	129	270469	49.675	ug/l	99
61) 1,2-Dibromoethane	11.25	107	193671	49.554	ug/l	100
64) Tetrachloroethene	10.88	164	278581	47.830	ug/l	99
65) Chlorobenzene	11.67	112	760092	49.357	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	290504	49.611	ug/l	100
67) Ethyl Benzene	11.75	91	1385933	49.754	ug/l	99
68) m/p-Xylenes	11.85	106	1046245	97.990	ug/l	100
69) o-Xylene	12.18	106	489211	49.404	ug/l	98
70) Styrene	12.20	104	846883	48.995	ug/l	100
71) Bromoform	12.37	173	163355	49.019	ug/l #	96
73) Isopropylbenzene	12.48	105	1316260	47.650	ug/l	100
74) N-amyl acetate	12.29	43	310265	47.563	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	200553	48.182	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	129621m	42.760	ug/l	
77) Bromobenzene	12.77	156	321716	47.939	ug/l	99
78) n-propylbenzene	12.83	91	1519399	48.143	ug/l	100
79) 2-Chlorotoluene	12.91	91	843832	47.358	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1091869	48.104	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	68844	45.112	ug/l	98
82) 4-Chlorotoluene	13.01	91	886232	47.686	ug/l	100
83) tert-Butylbenzene	13.23	119	947239	47.327	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1085798	48.453	ug/l	99
85) sec-Butylbenzene	13.41	105	1272412	47.334	ug/l	100
86) p-Isopropyltoluene	13.53	119	1219880	47.733	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	608942	48.882	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	600761	49.412	ug/l	100
89) n-Butylbenzene	13.85	91	1097798	47.547	ug/l	99
90) Hexachloroethane	14.12	117	231383	48.990	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	519144	49.236	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	32862	44.157	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	404086	49.680	ug/l	100
94) Hexachlorobutadiene	15.28	225	253196	48.194	ug/l	99
95) Naphthalene	15.41	128	666487	49.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	341447	49.385	ug/l	99

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

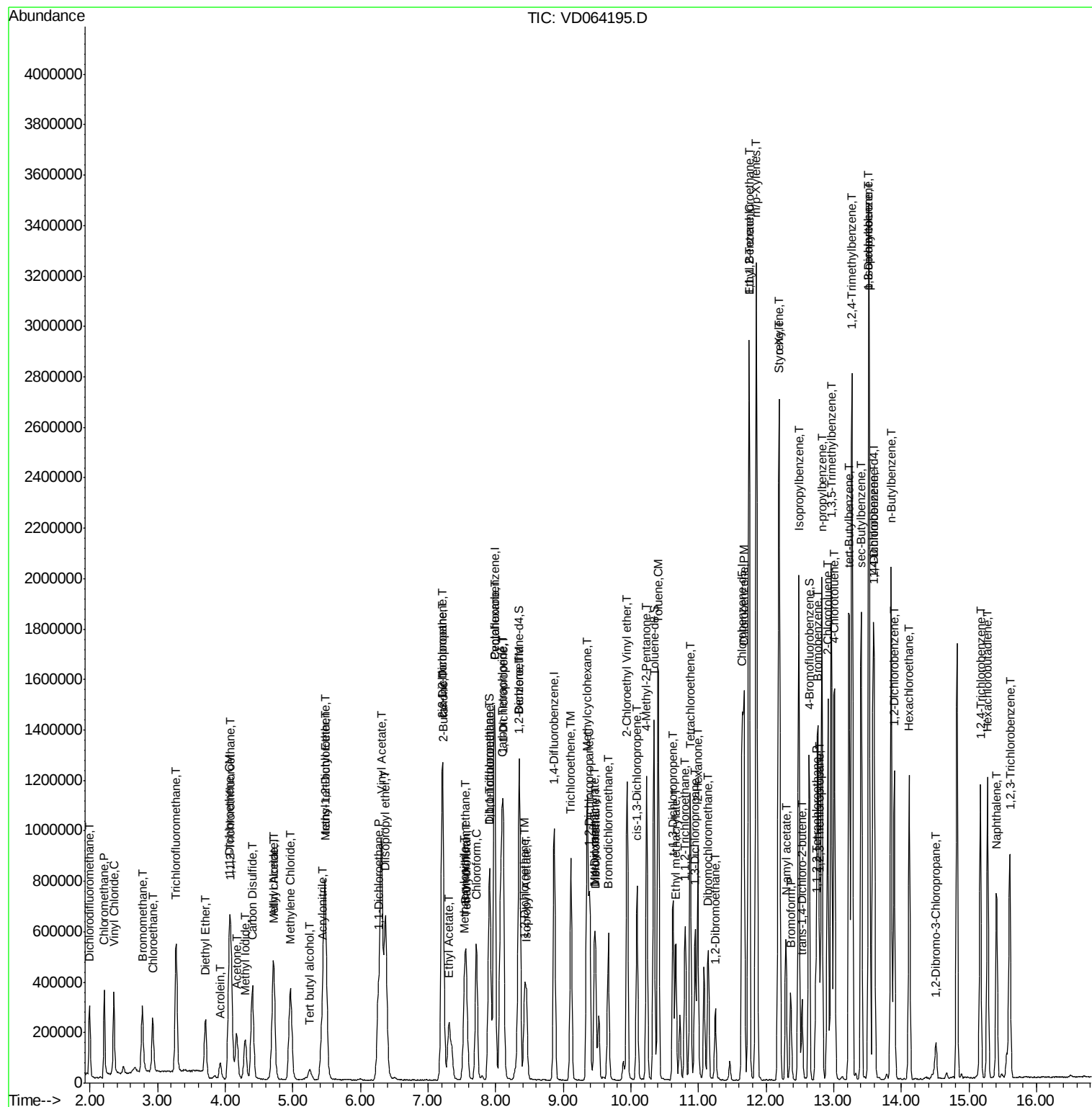
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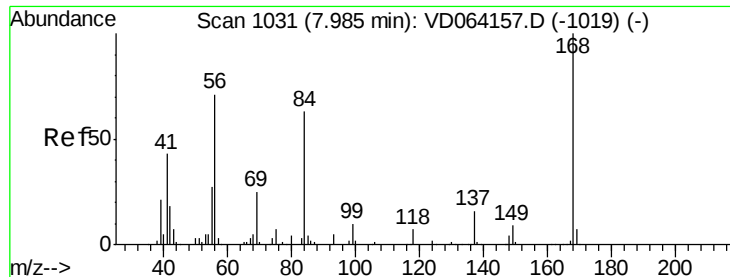
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 606868

Ion Ratio Lower Upper

168 100

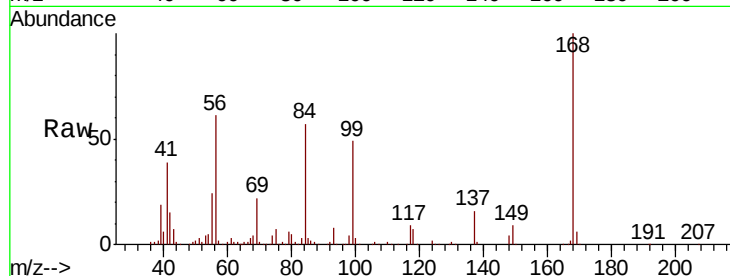
99 48.8 41.6 62.4

Manual Integrations

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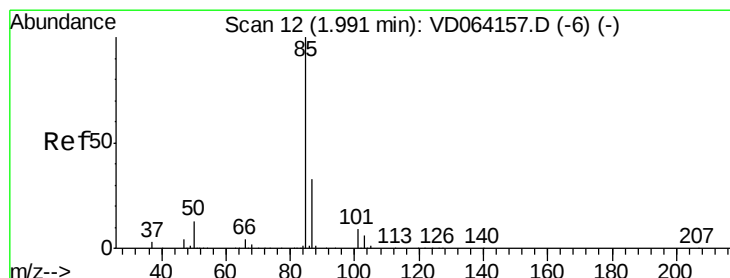
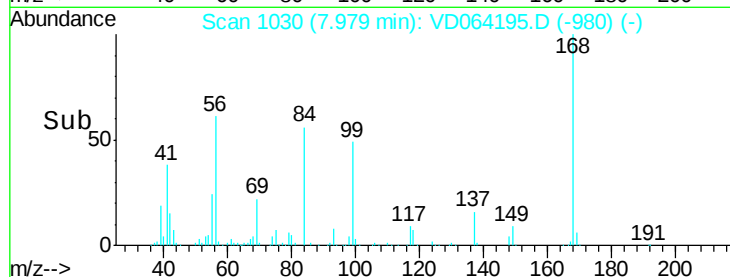
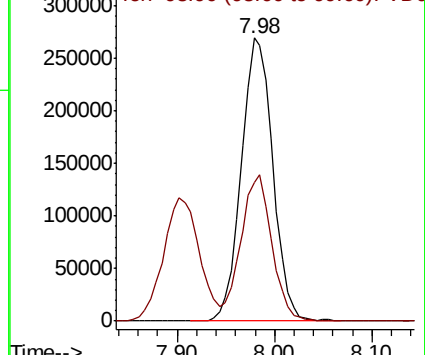
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.735 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064195.D

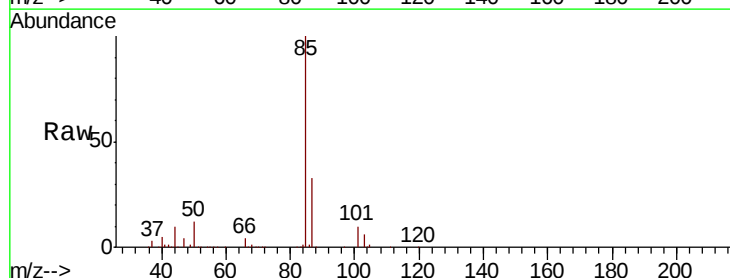
Acq: 12 Nov 2019 14:35

Tgt Ion: 85 Resp: 225162

Ion Ratio Lower Upper

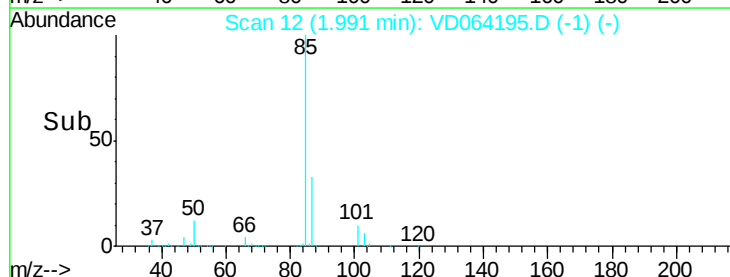
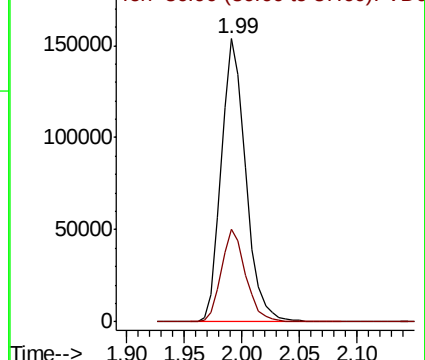
85 100

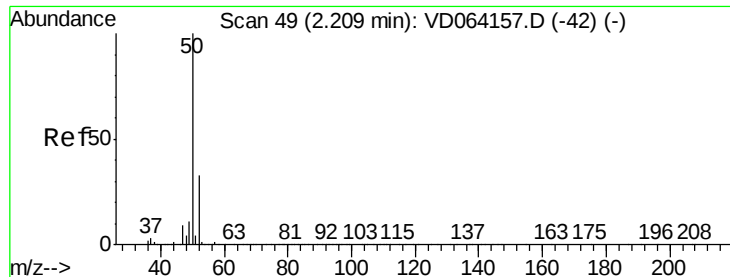
87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.502 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 283441

Ion Ratio Lower Upper

50 100

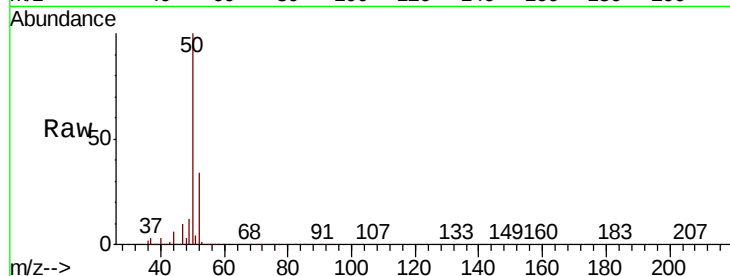
52 34.2 26.2 39.4

Manual Integrations

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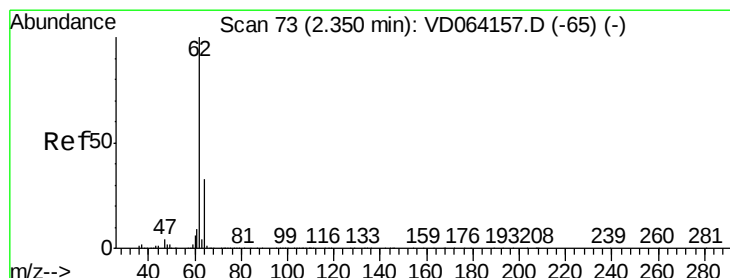
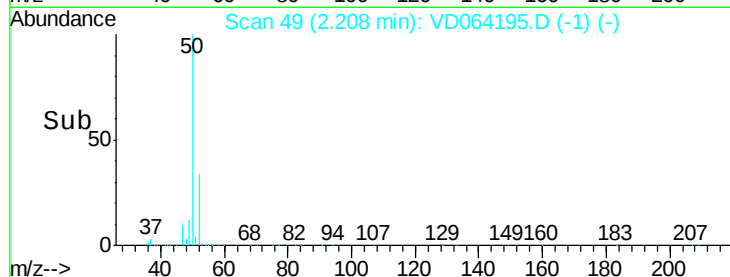
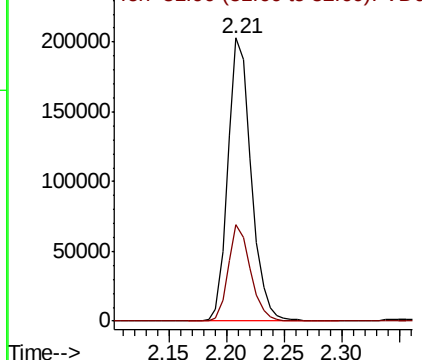
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.747 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064195.D

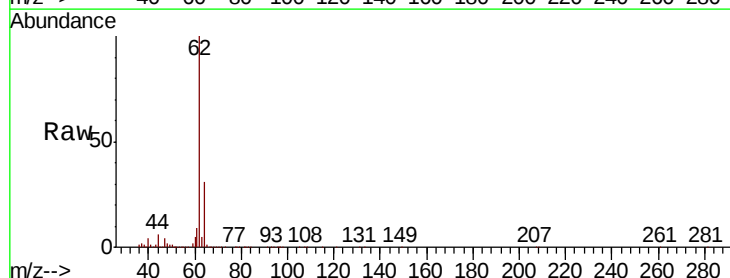
Acq: 12 Nov 2019 14:35

Tgt Ion: 62 Resp: 316066

Ion Ratio Lower Upper

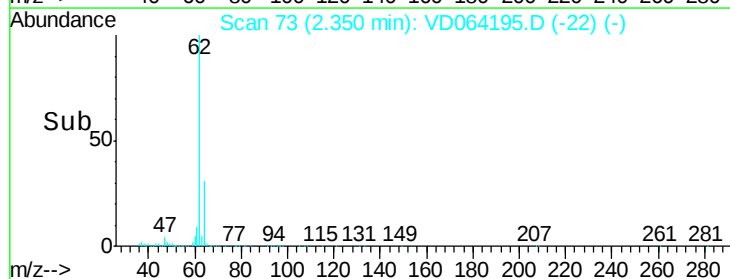
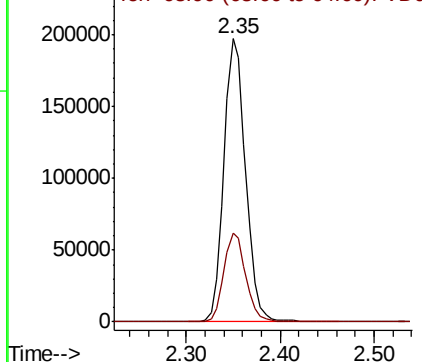
62 100

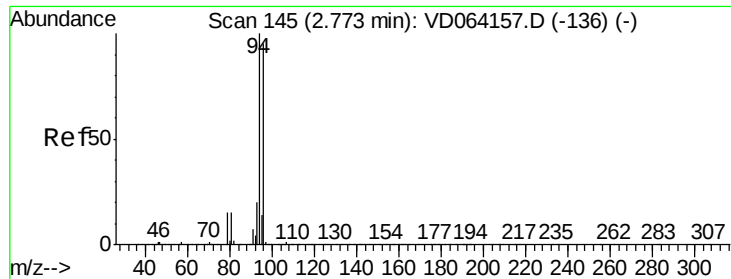
64 31.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 54.973 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD064195.D

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Tot Ion: 94 Resp: 200408

Ion Ratio Lower Upper

94 100

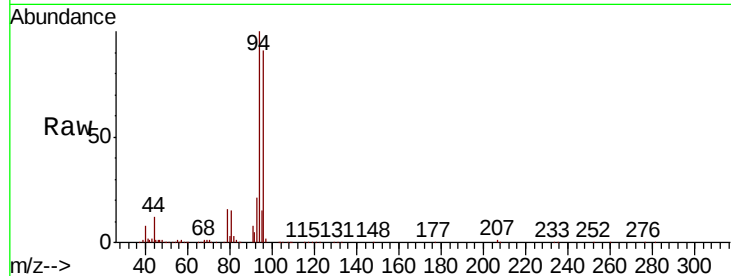
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Manual Integrations

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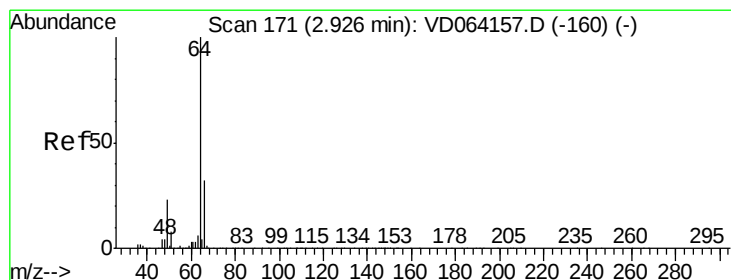
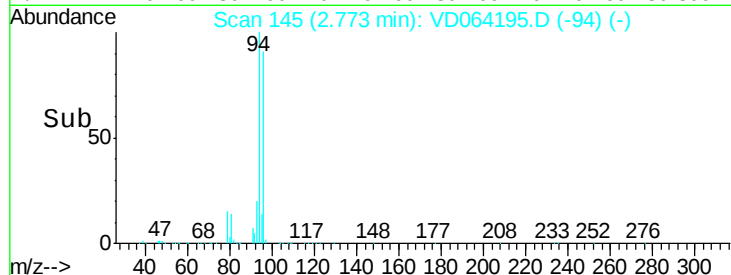
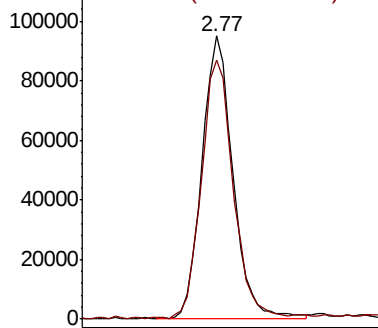
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 56.726 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064195.D

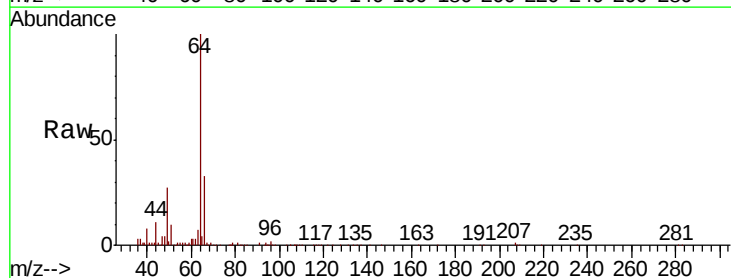
Acq: 12 Nov 2019 14:35

Tgt Ion: 64 Resp: 209261

Ion Ratio Lower Upper

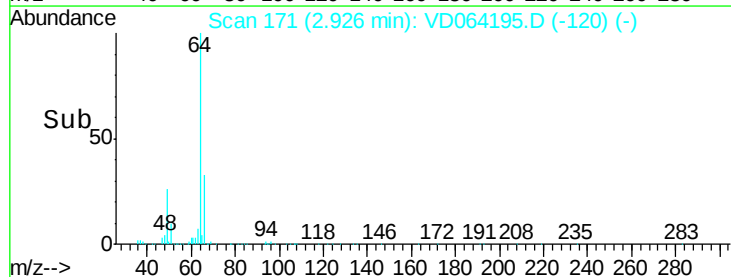
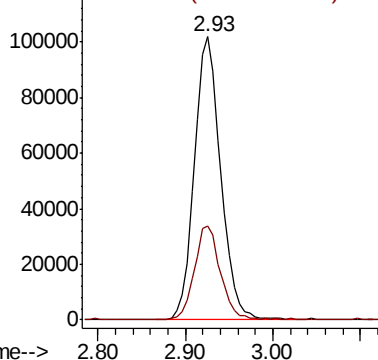
64 100

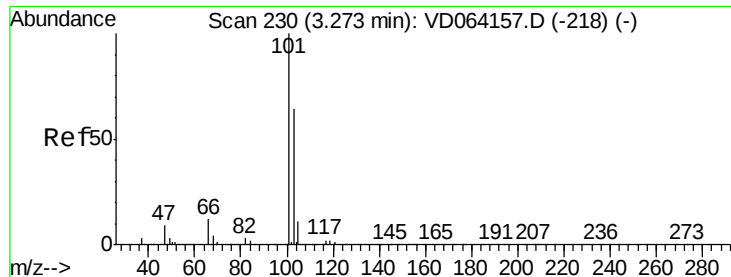
66 33.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

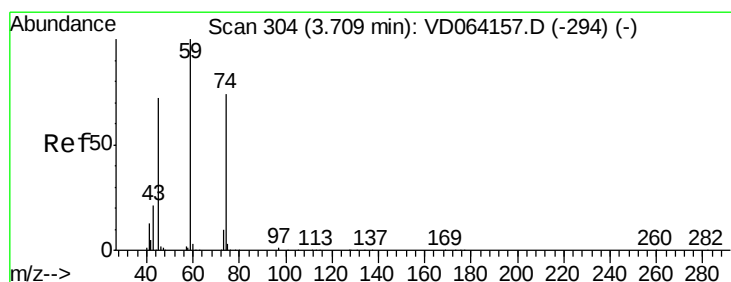
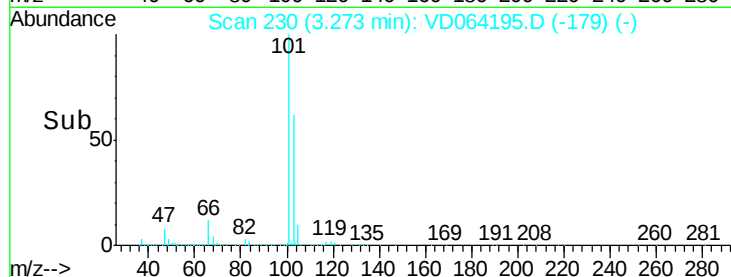
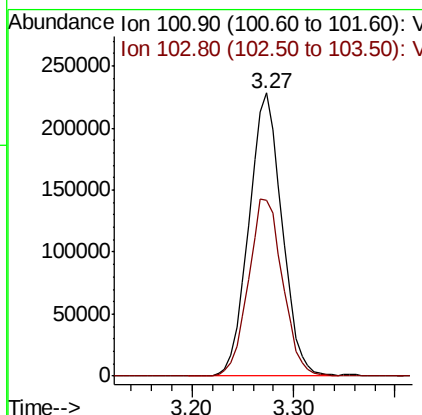
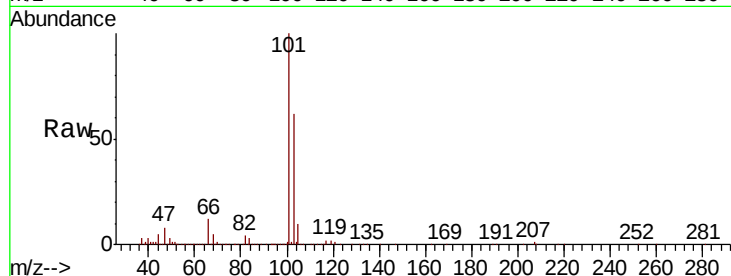
Trichlorofluoromethane
Concen: 55.170 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	50.8	76.2

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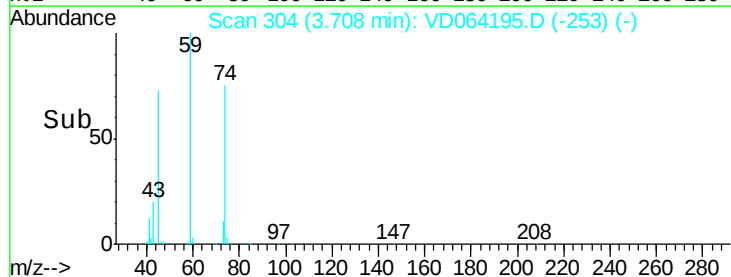
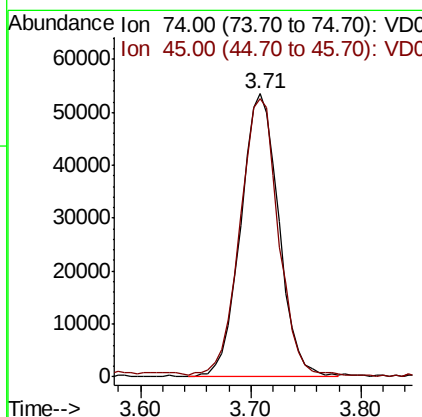
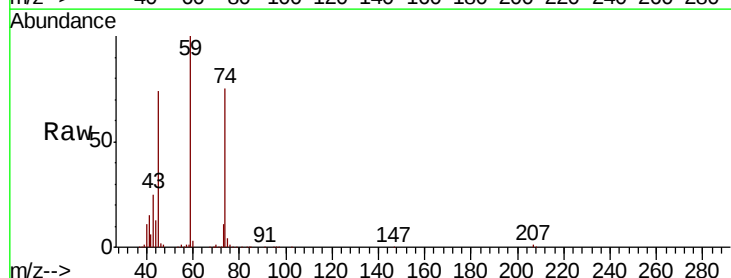
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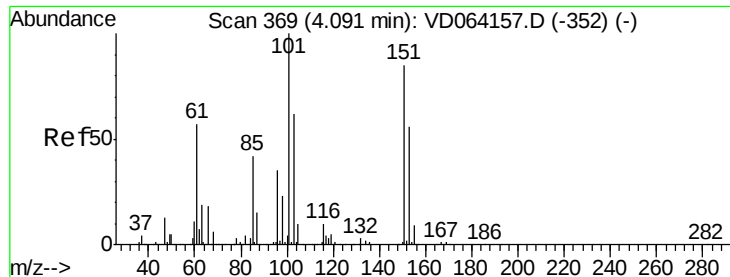


#8

Diethyl Ether
Concen: 50.336 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.347 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

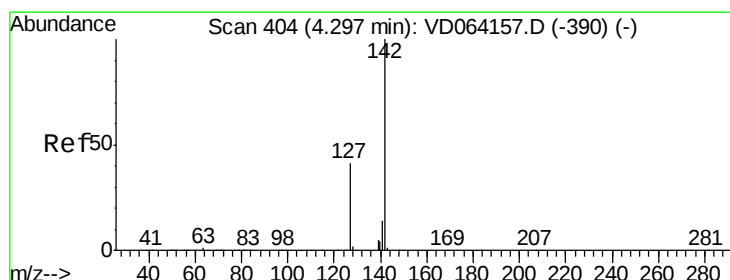
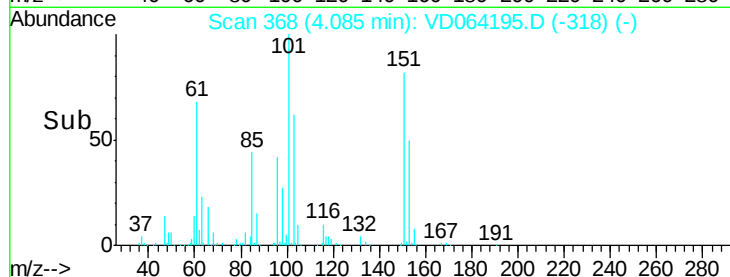
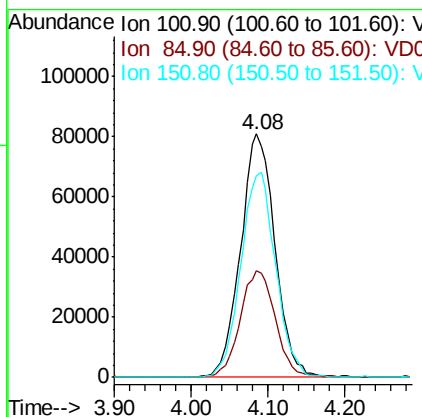
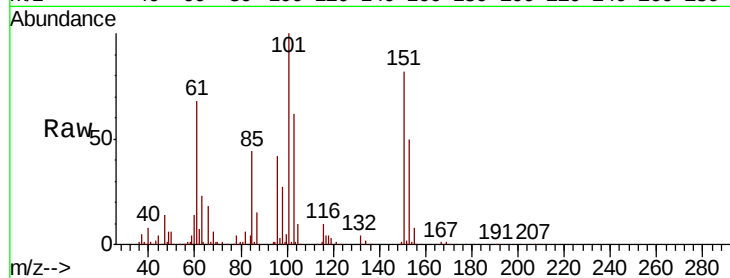
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	253298
Ion Ratio	Lower	Upper	
101	100		
85	44.9	34.4	51.6
151	85.6	68.1	102.1

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#10

Methyl Iodide

Concen: 44.617 ug/l

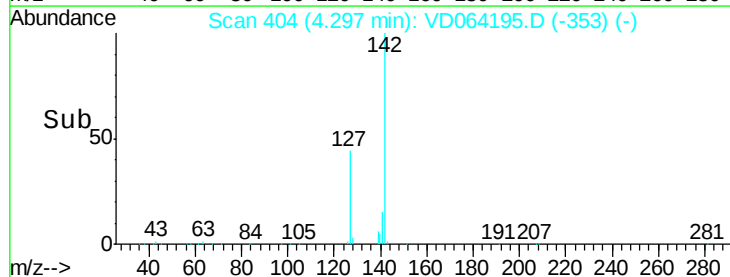
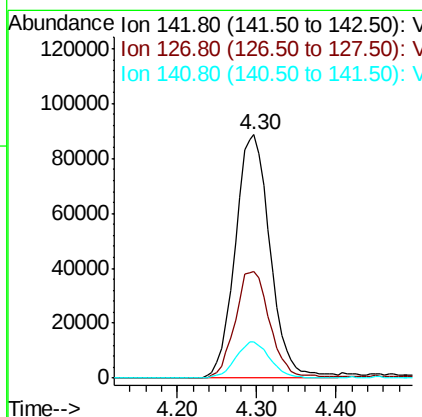
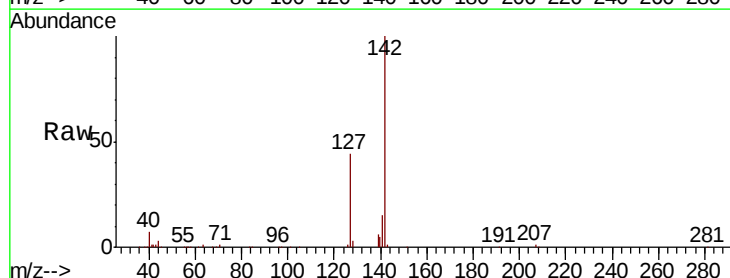
RT: 4.30 min Scan# 404

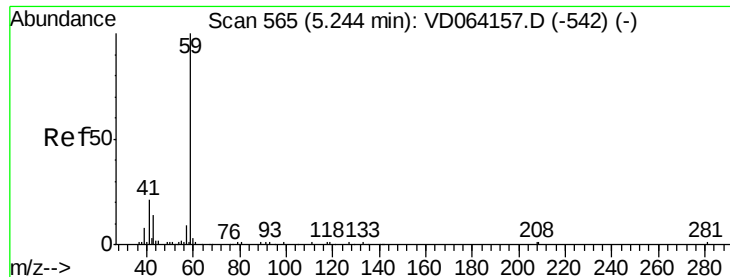
Delta R.T. 0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Tgt Ion:	142	Resp:	271080
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.4	51.6
141	14.6	11.2	16.8





#11

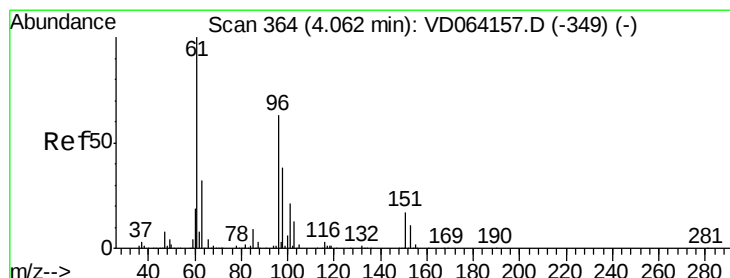
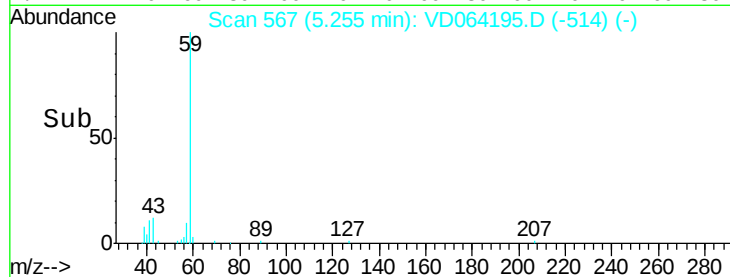
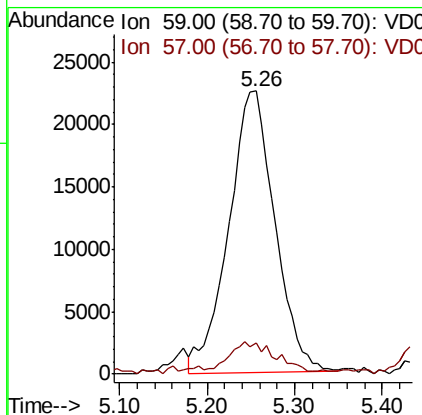
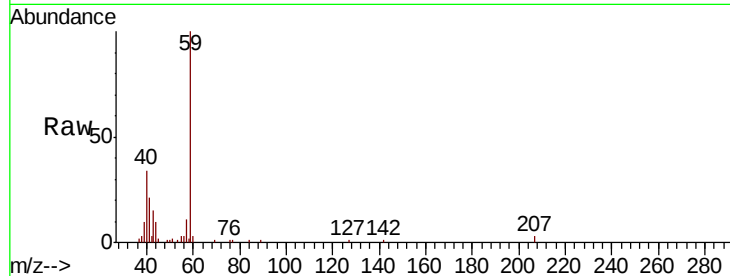
Tert butyl alcohol
Concen: 232.456 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	9.4	14.2

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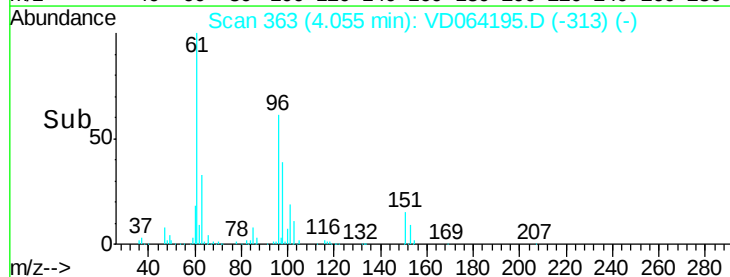
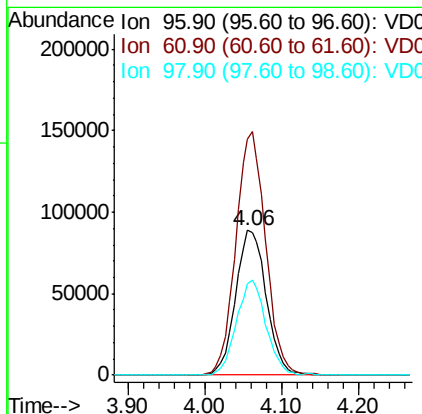
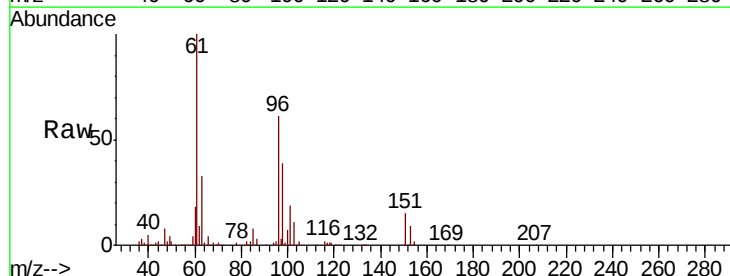
MMDadoda
11/13/2019 9:38:51 AM

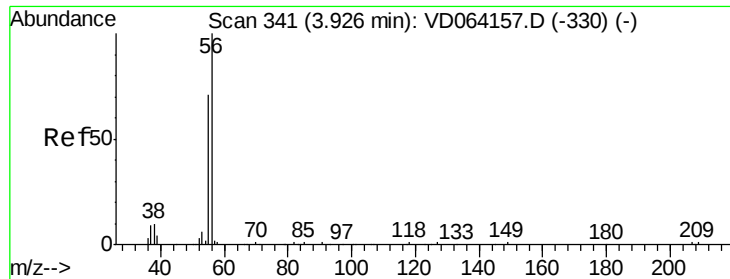


#12

1,1-Dichloroethene
Concen: 48.918 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.3	127.4	191.2
98	62.9	48.1	72.1





#13

Acrolein

Concen: 237.808 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 70133

Ion Ratio Lower Upper

56 100

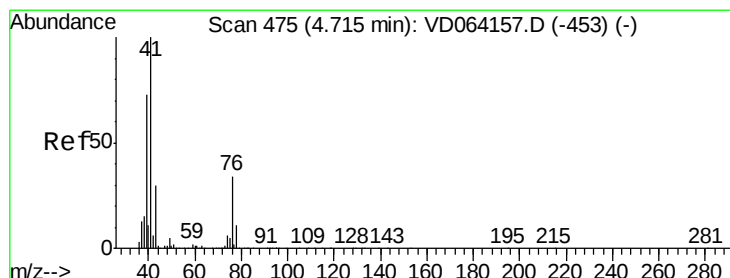
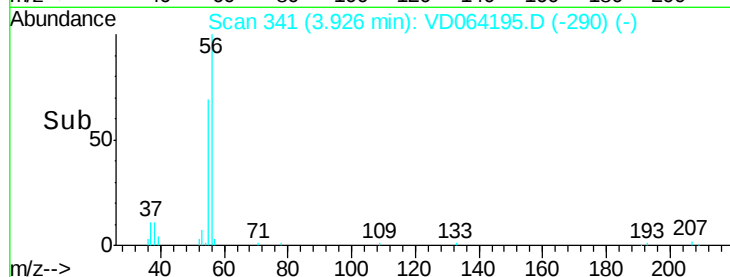
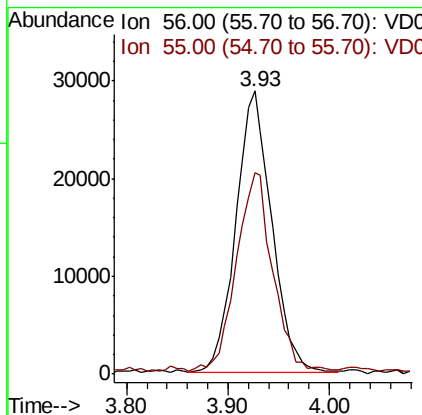
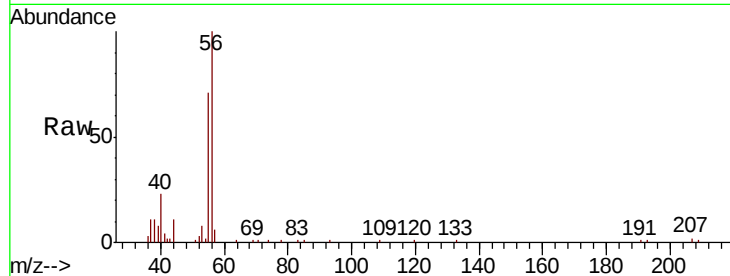
55 72.6 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 48.350 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

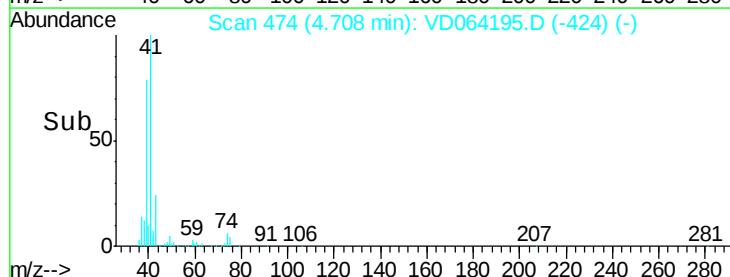
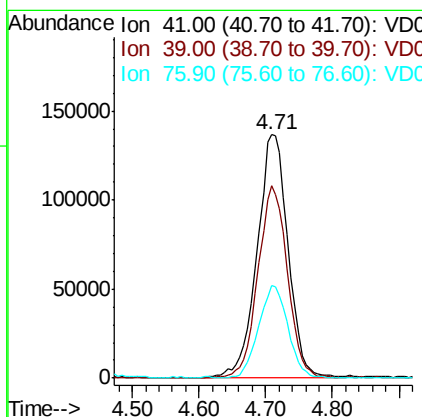
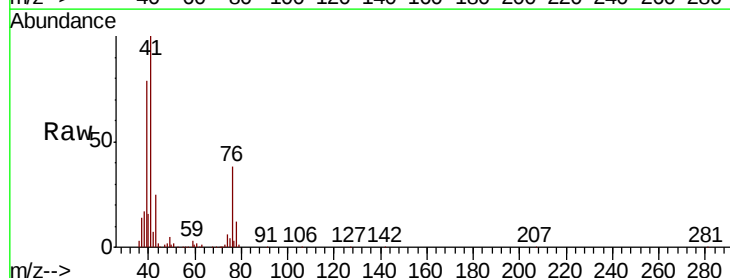
Tgt Ion: 41 Resp: 435929

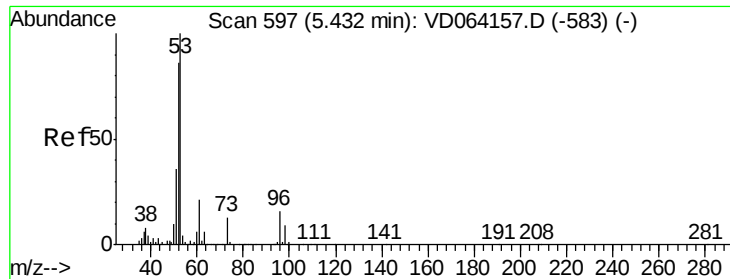
Ion Ratio Lower Upper

41 100

39 75.4 57.5 86.3

76 35.6 26.8 40.2





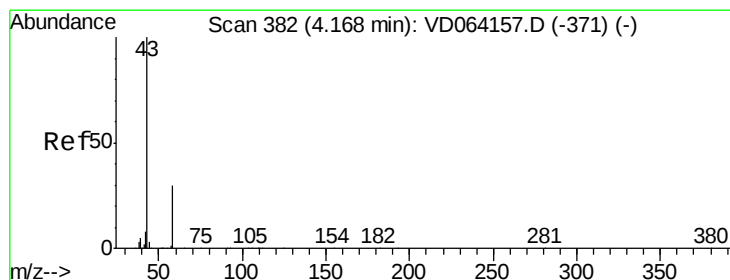
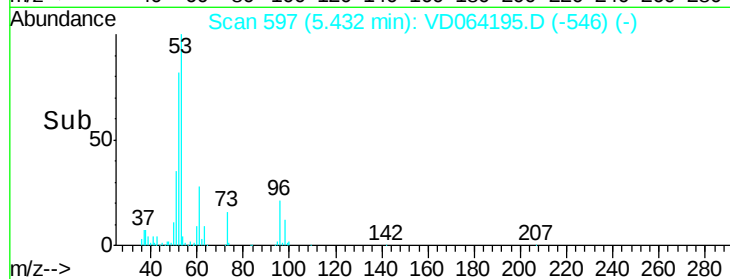
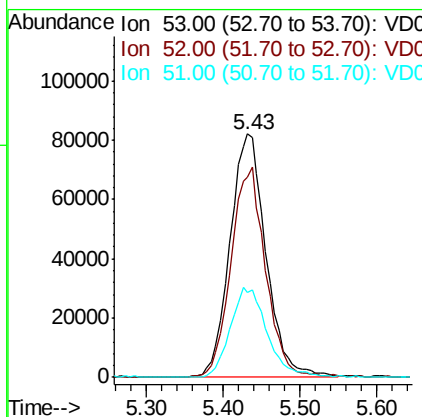
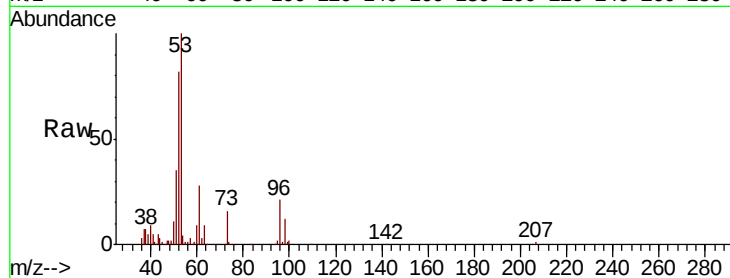
#15
 Acrylonitrile
 Concen: 244.548 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.7	100.1
51	37.9	30.6	46.0

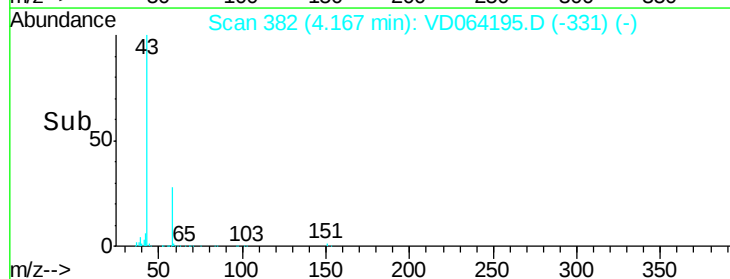
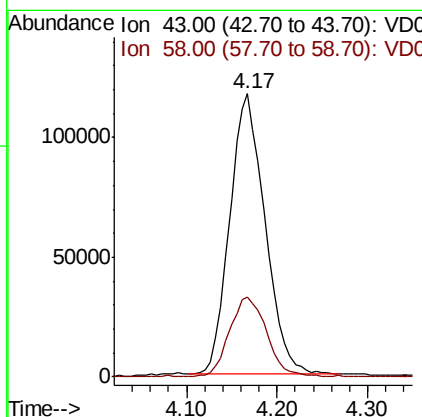
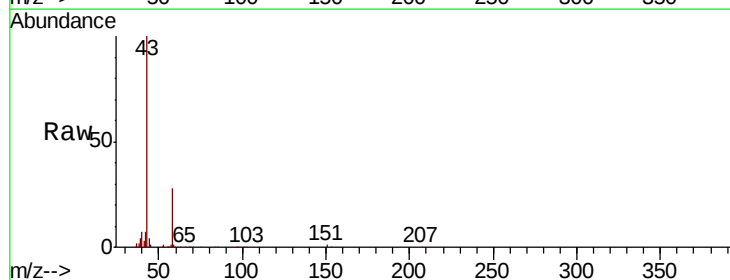
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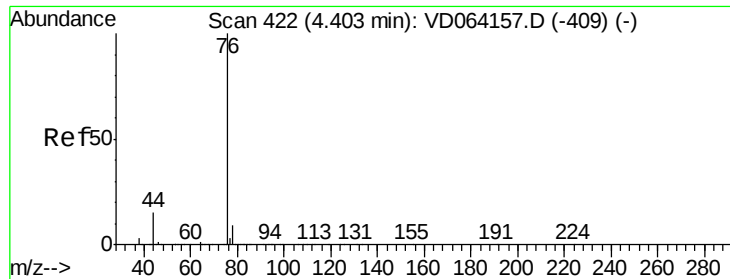
MMDadoda
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#16
 Acetone
 Concen: 268.457 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.0	24.1	36.1





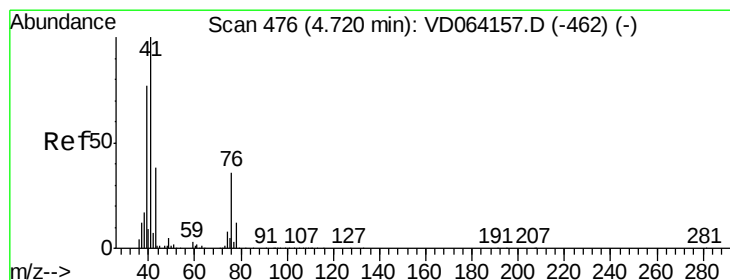
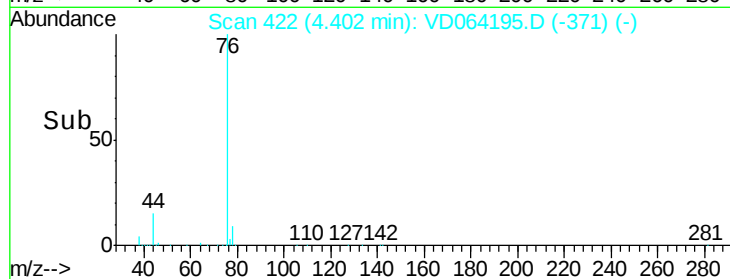
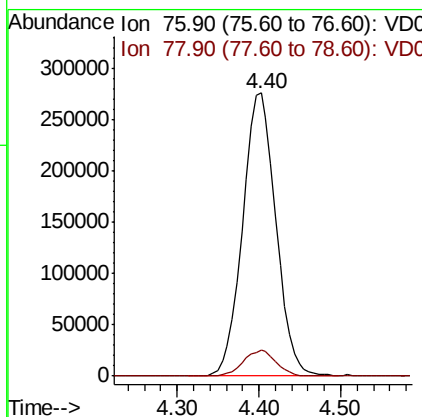
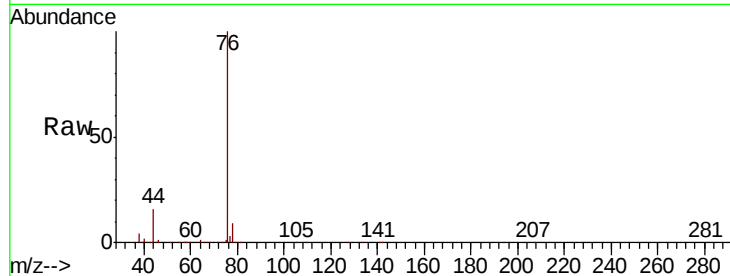
#17
Carbon Disulfide
Concen: 49.162 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

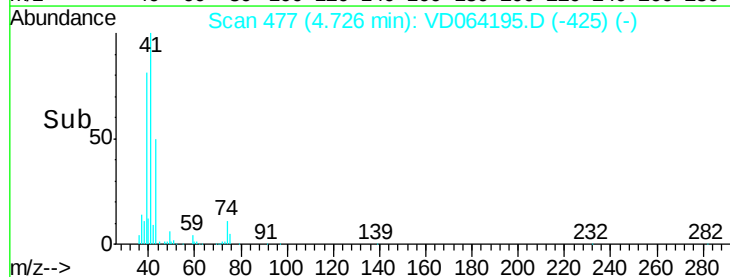
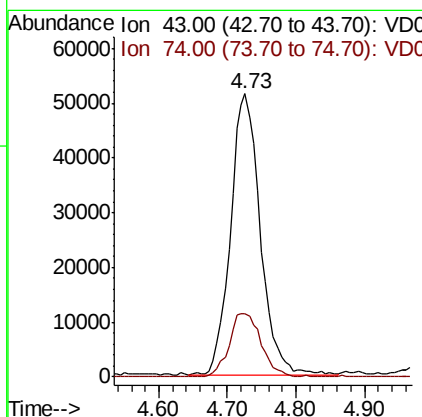
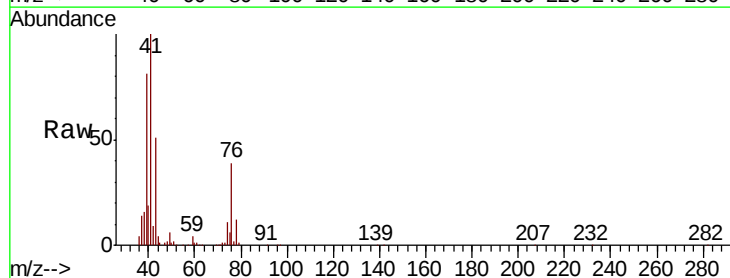
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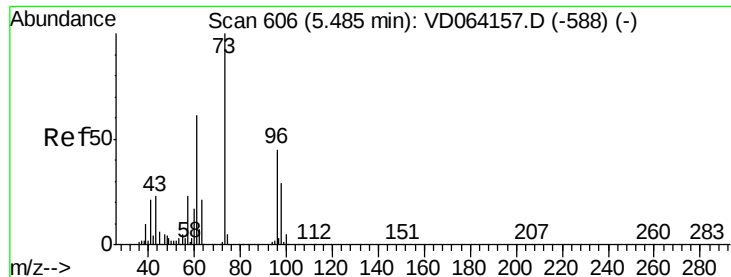
MMDadoda
11/13/2019 9:38:51 AM



#18
Methyl Acetate
Concen: 46.651 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	18.4	27.6





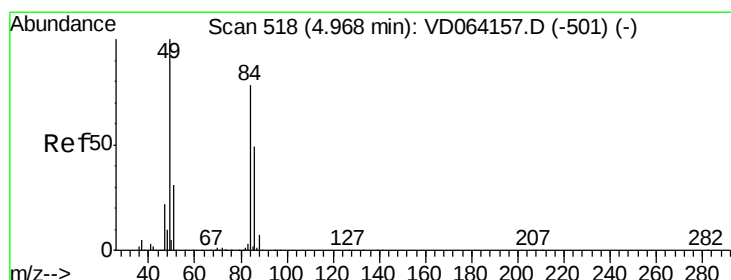
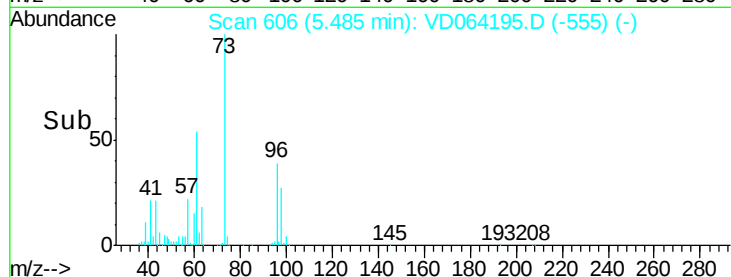
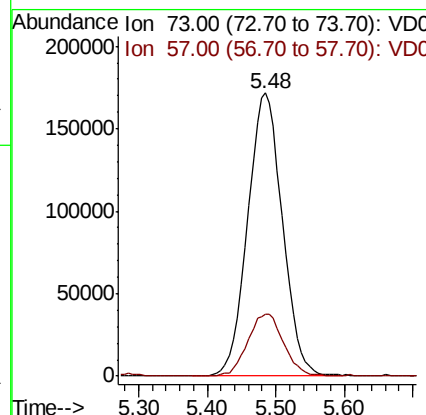
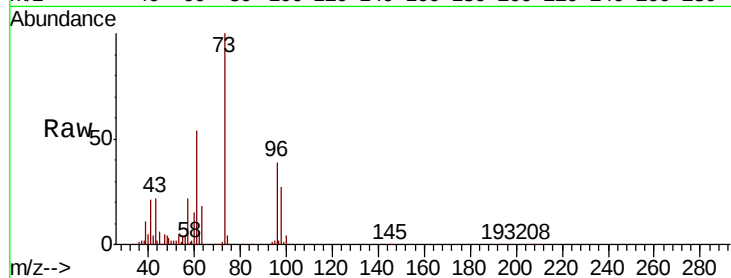
#19
Methvl tert-butvl Ether
Concen: 49.698 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 605003
Ion Ratio Lower Upper
73 100
57 21.6 18.4 27.6

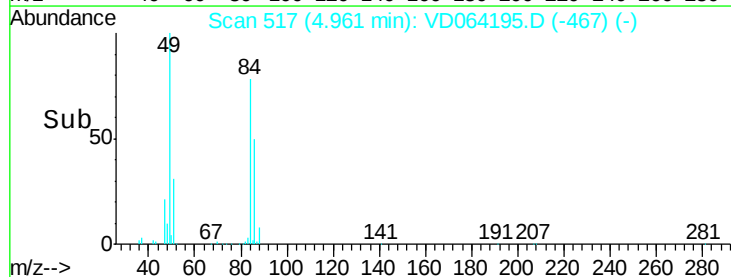
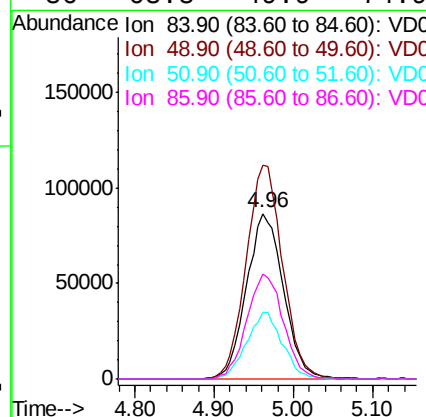
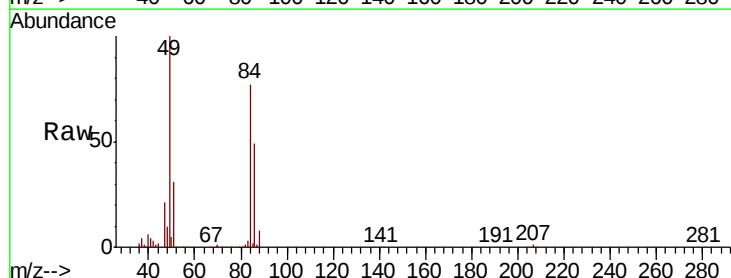
Manual Integrations
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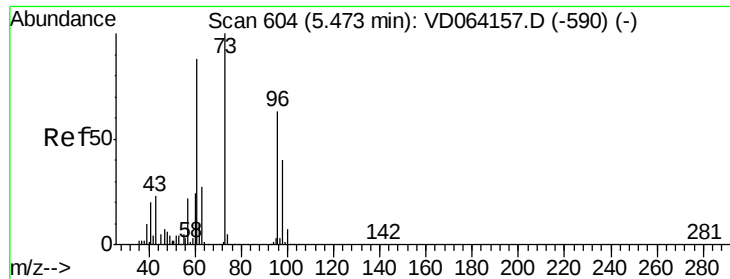
MMDadoda
11/13/2019 9:38:51 AM



#20
Methylene Chloride
Concen: 46.863 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 84 Resp: 279900
Ion Ratio Lower Upper
84 100
49 129.2 102.1 153.1
51 40.4 32.2 48.2
86 63.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.855 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

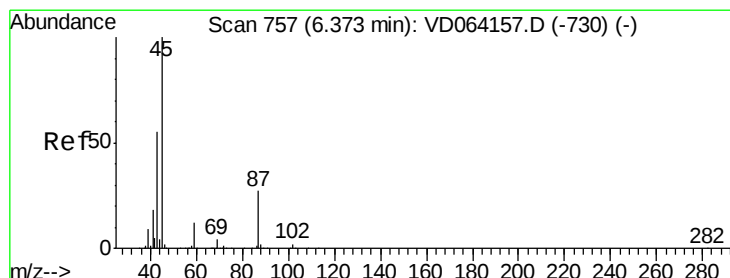
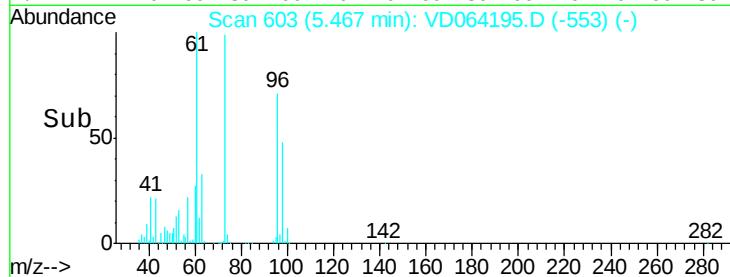
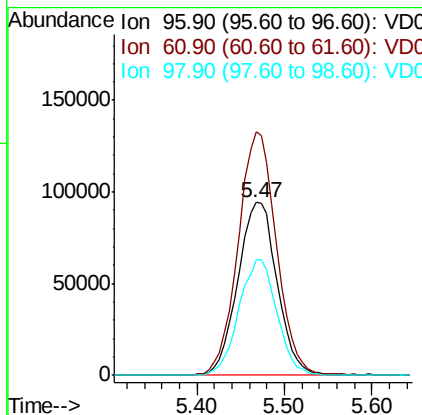
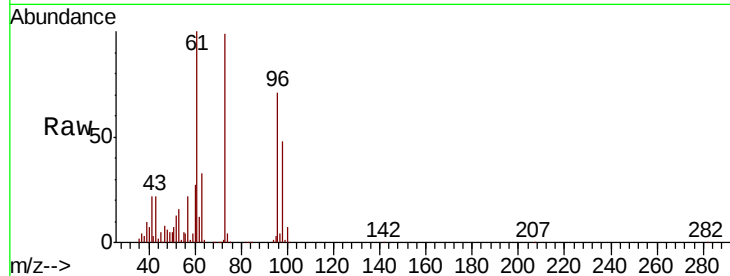
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	288031
Ion	Ratio	Lower	Upper
96	100		
61	140.9	111.8	167.6
98	67.0	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.405 ug/l

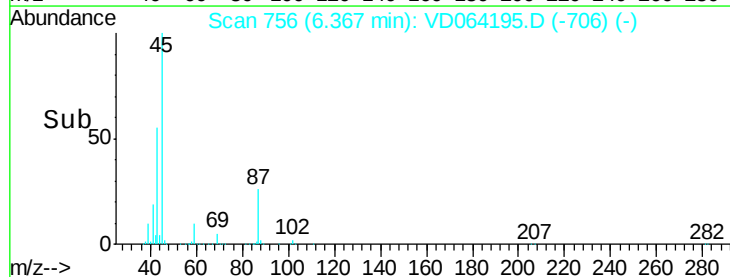
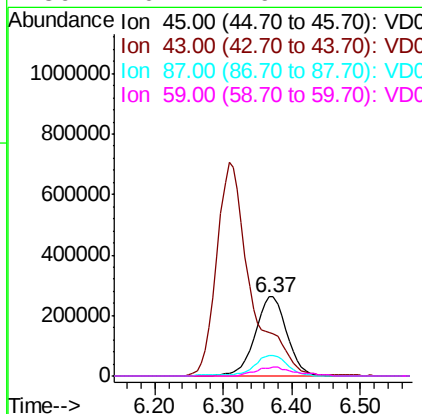
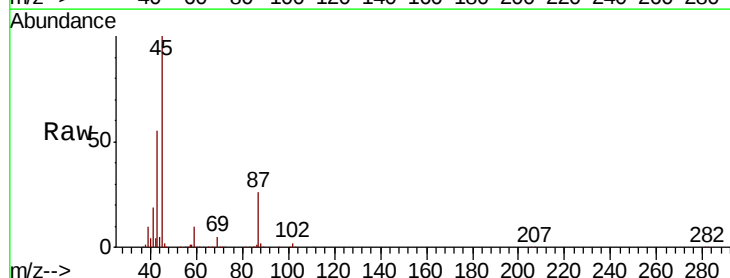
RT: 6.37 min Scan# 756

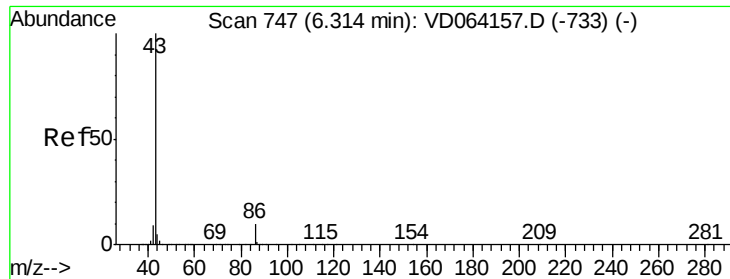
Delta R.T. -0.01 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Tgt Ion:	45	Resp:	843213
Ion	Ratio	Lower	Upper
45	100		
43	54.1	44.4	66.6
87	26.3	21.9	32.9
59	10.2	9.4	14.2





#23

Vinyl Acetate

Concen: 259.101 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2416126

Ion Ratio Lower Upper

43 100

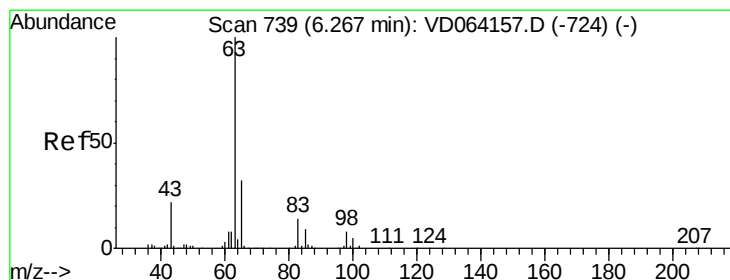
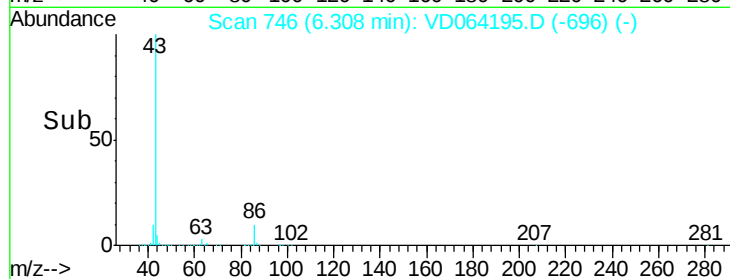
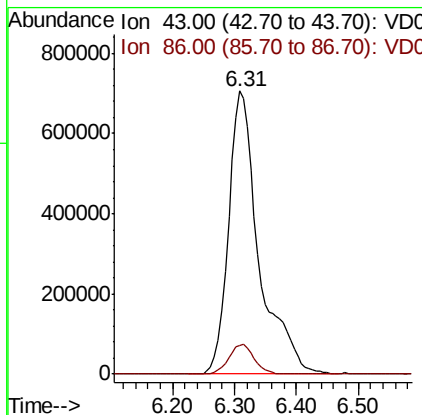
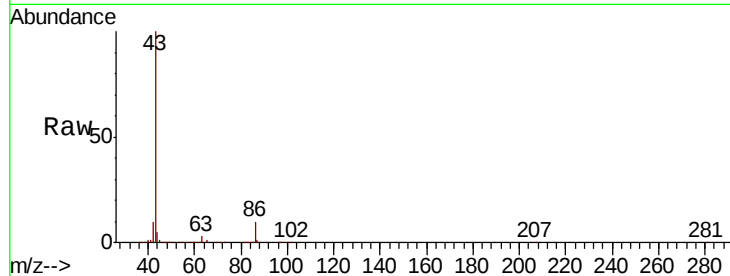
86 10.3 8.2 12.2

Manual Integrations

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MMDadoda

11/13/2019 9:38:51 AM



#24

1,1-Dichloroethane

Concen: 50.523 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

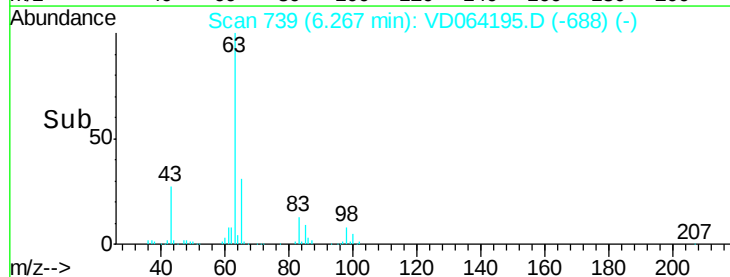
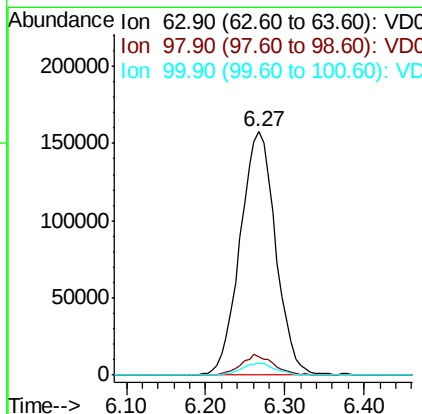
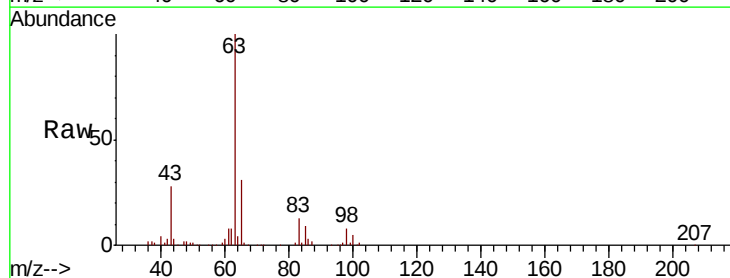
Tgt Ion: 63 Resp: 490737

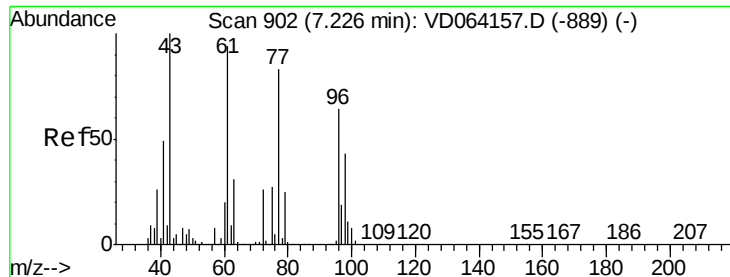
Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.4

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 251.224 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 383770

Ion Ratio Lower Upper

43 100

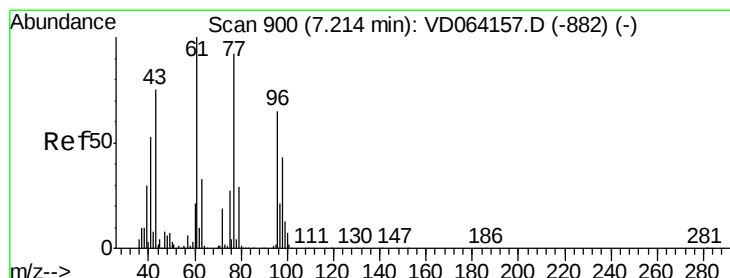
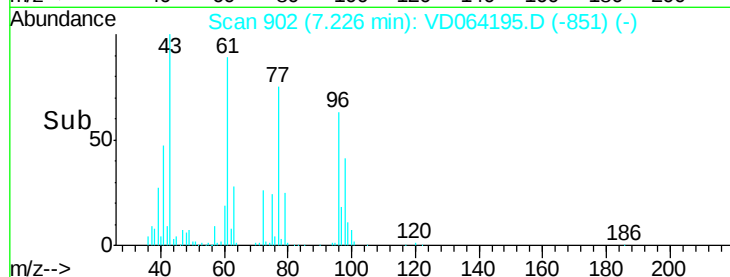
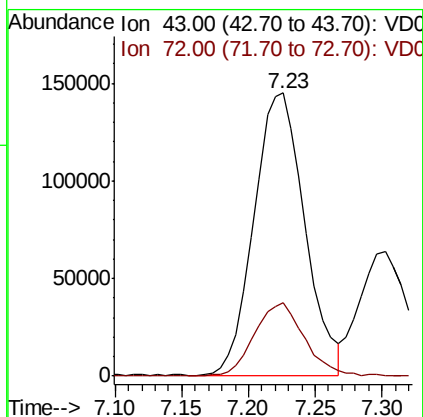
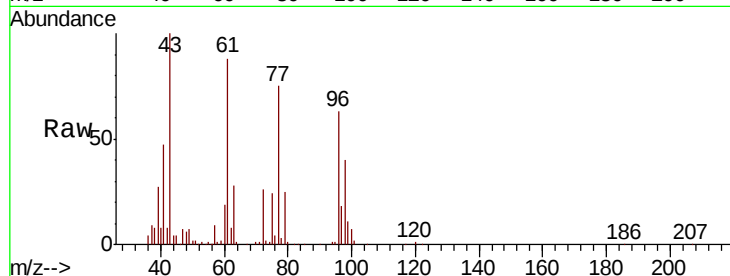
72 26.1 20.6 30.8

Manual Integrations

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11/13/2019 9:38:51 AM



#26

2,2-Dichloropropane

Concen: 48.387 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064195.D

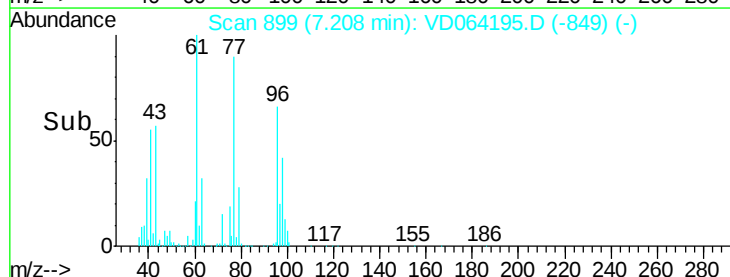
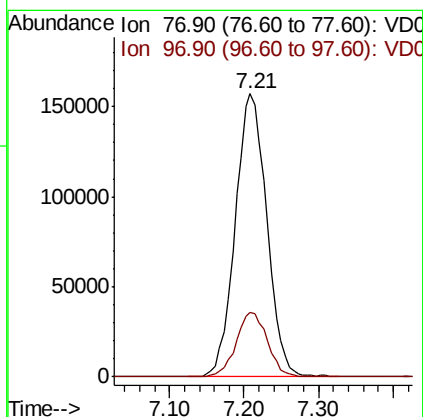
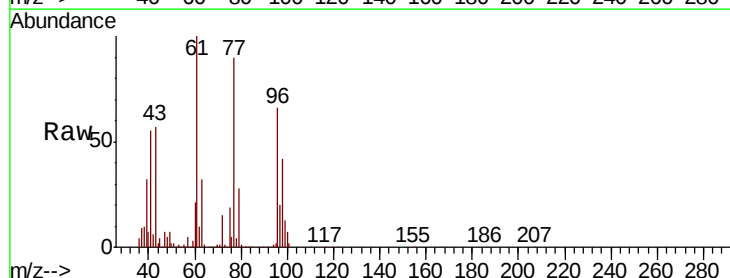
Acq: 12 Nov 2019 14:35

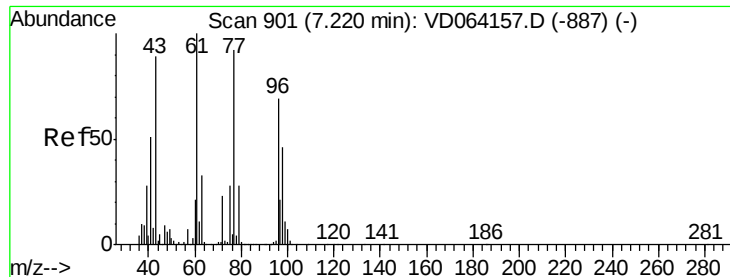
Tgt Ion: 77 Resp: 460910

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.3





#27

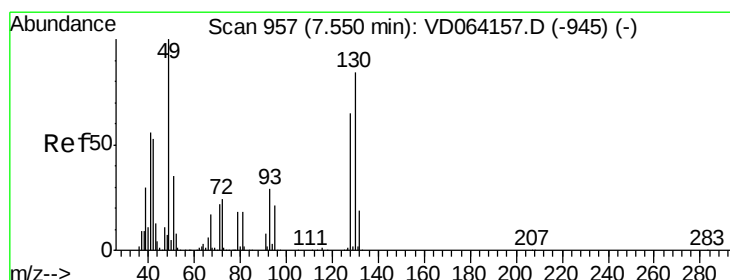
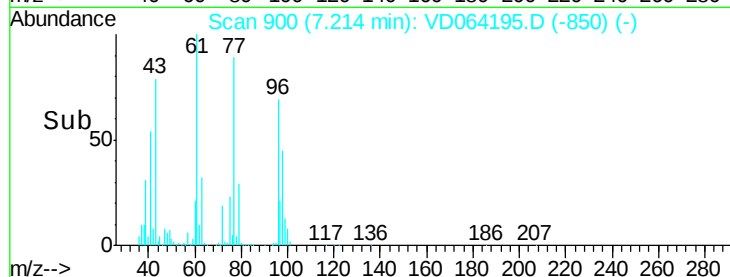
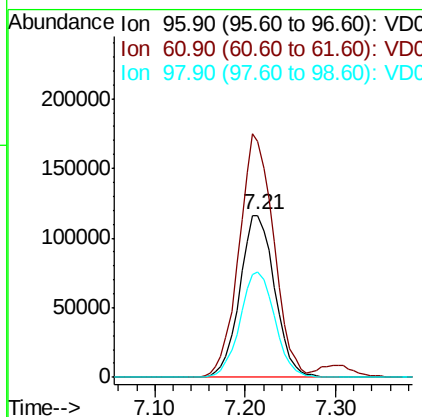
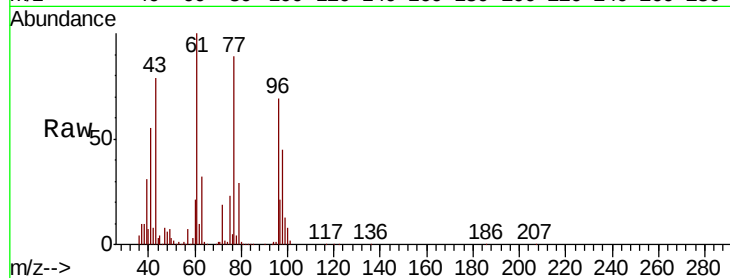
cis-1,2-Dichloroethene
Concen: 50.223 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	311162		
61	148.8	0.0	301.4	
98	64.9	0.0	133.2	

Manual Integrations
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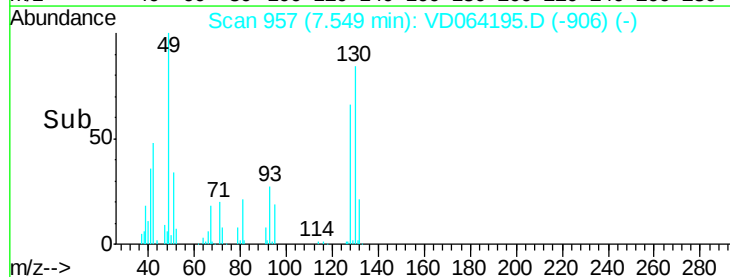
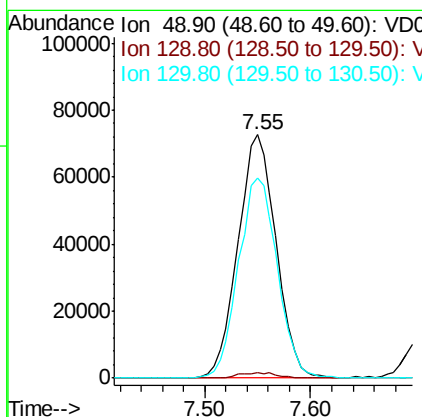
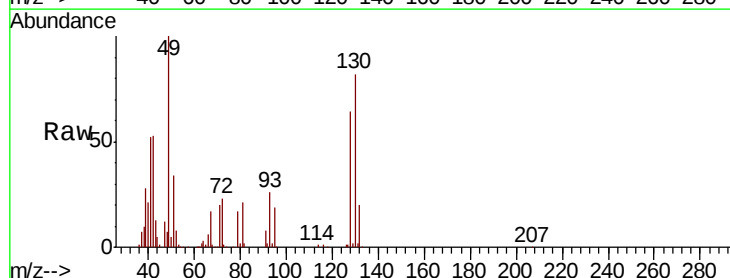
MMDadoda
11/13/2019 9:38:51 AM

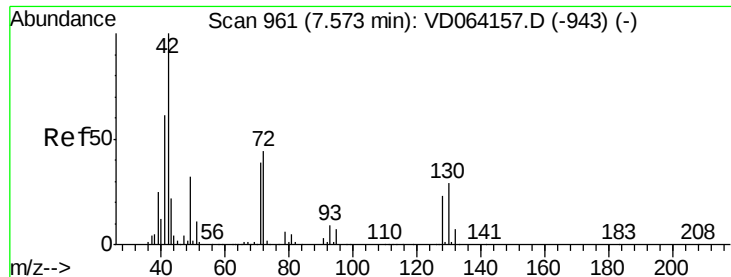


#28

Bromochloromethane
Concen: 53.823 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	182010		
129	2.2	0.0	4.4	
130	84.0	66.8	100.2	





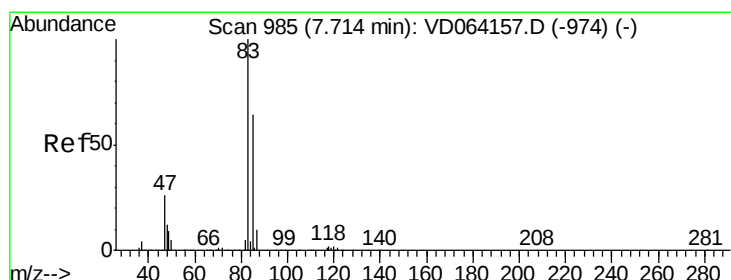
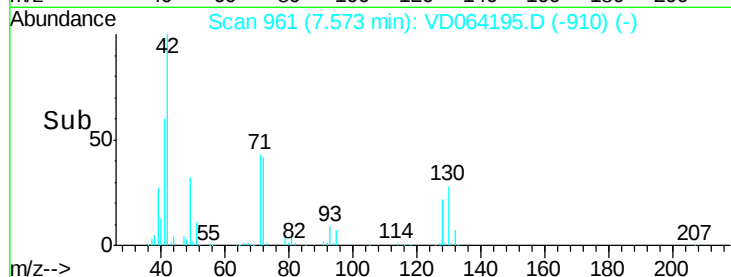
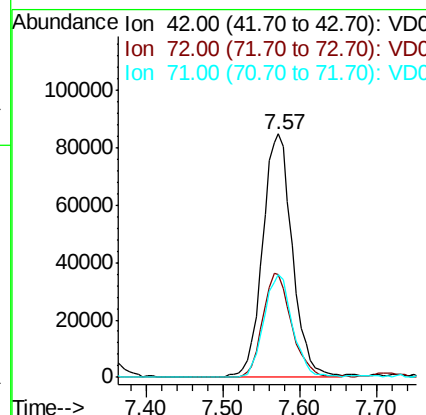
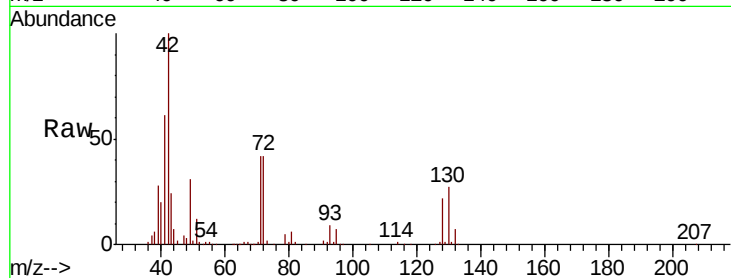
#29
Tetrahydrofuran
Concen: 249.799 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.4	50.2
71	40.5	31.0	46.4

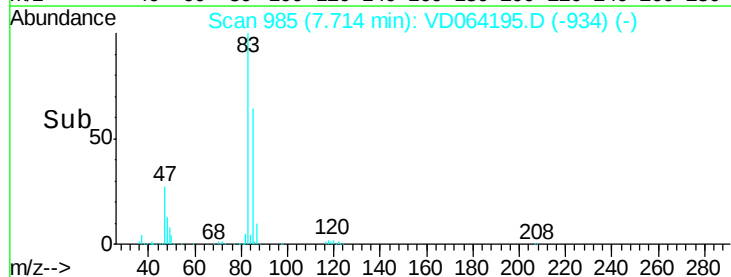
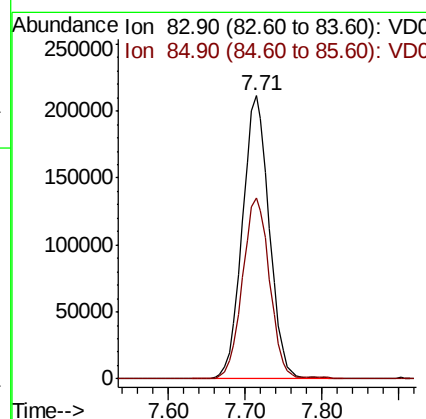
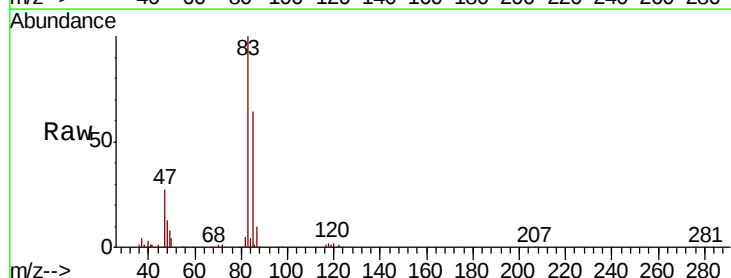
Manual Integrations
APPROVED

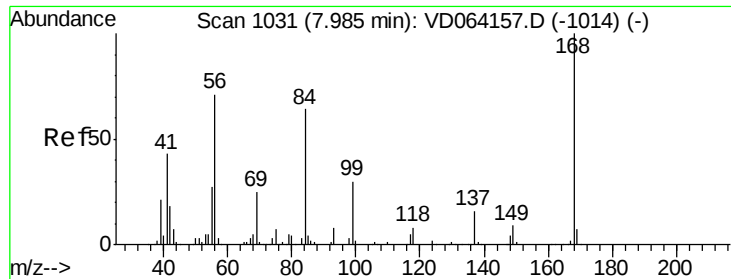
MMDadoda
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#30
Chloroform
Concen: 52.001 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.0





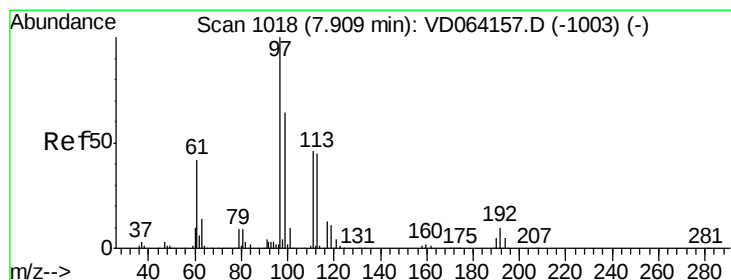
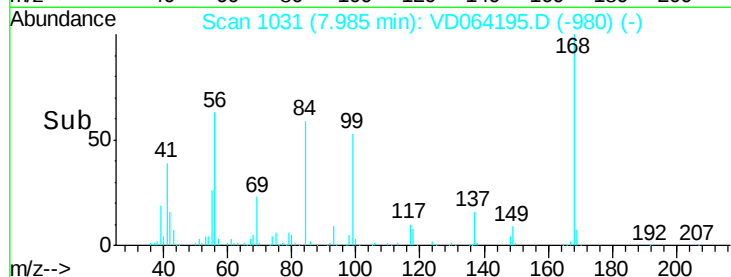
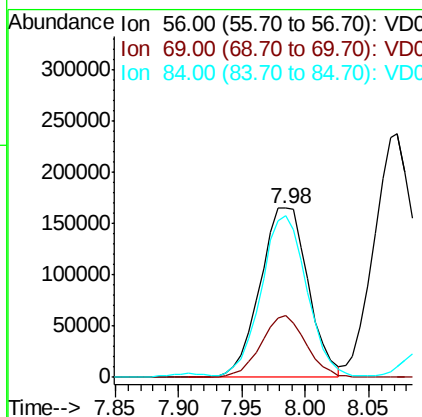
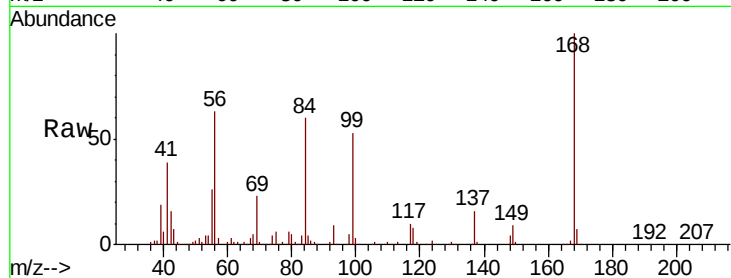
#31
Cyclohexane
Concen: 44.573 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	36.5	28.2	42.4	
84	93.4	71.8	107.6	

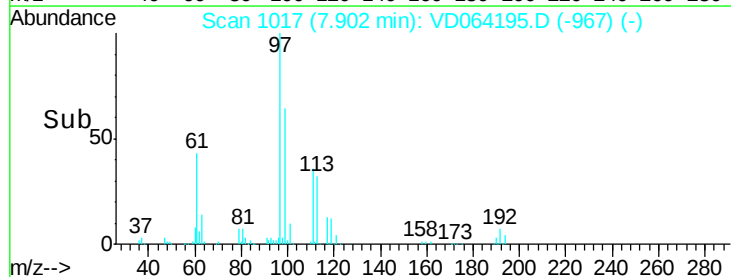
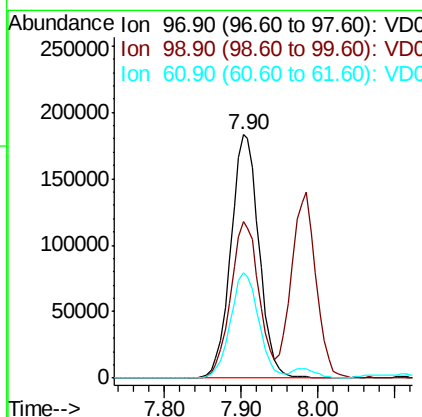
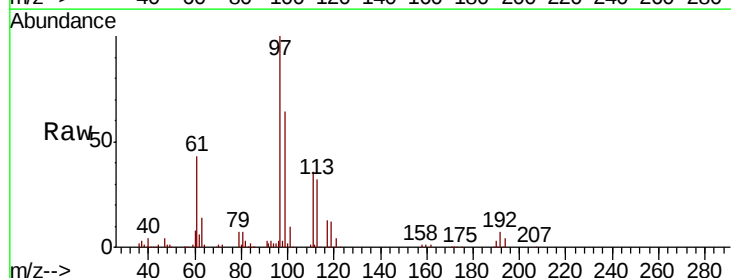
Manual Integrations
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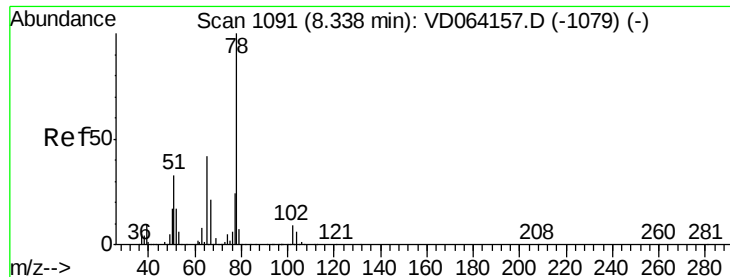
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.193 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	51.6	77.4	
61	43.6	34.2	51.2	





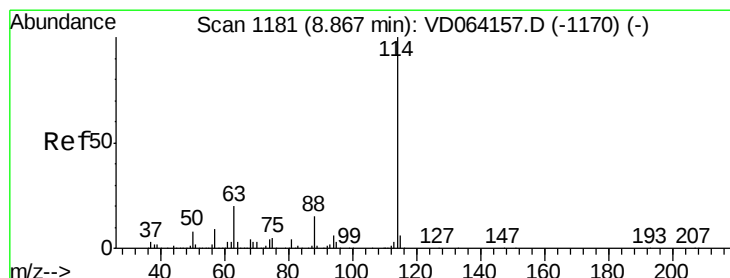
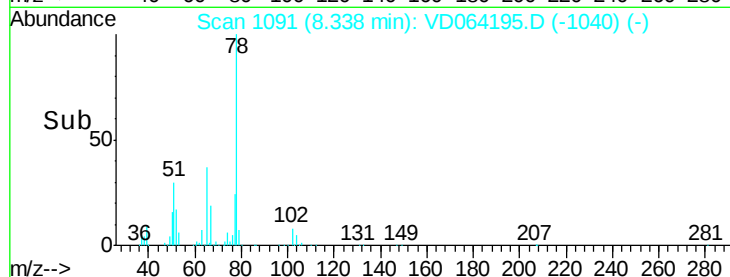
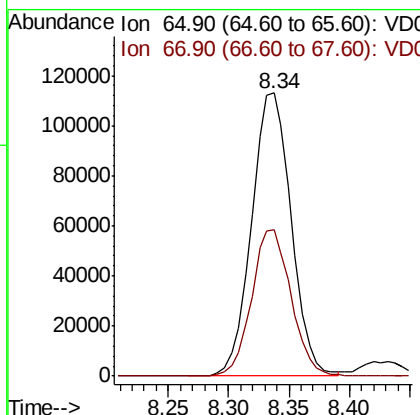
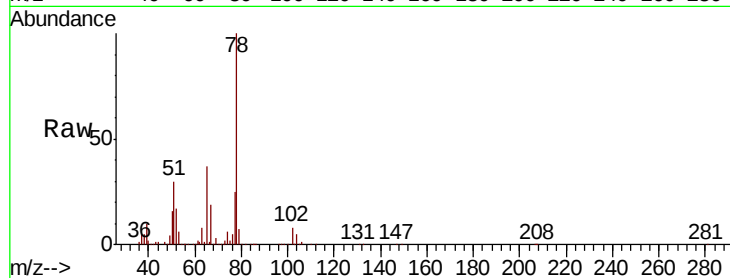
#33
 1,2-Dichloroethane-d4
 Concen: 51.825 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.4

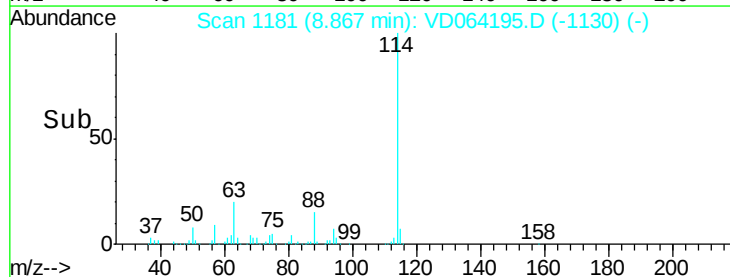
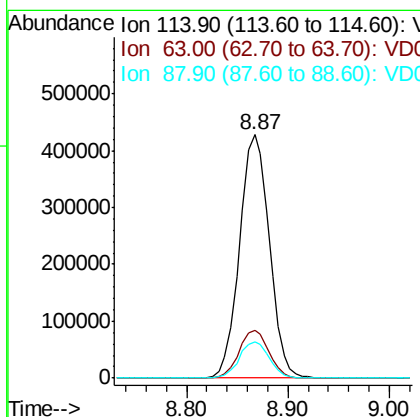
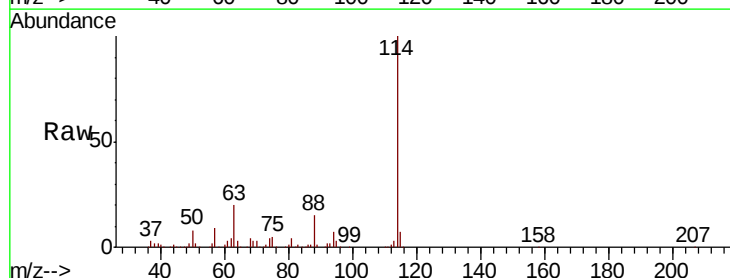
Manual Integrations
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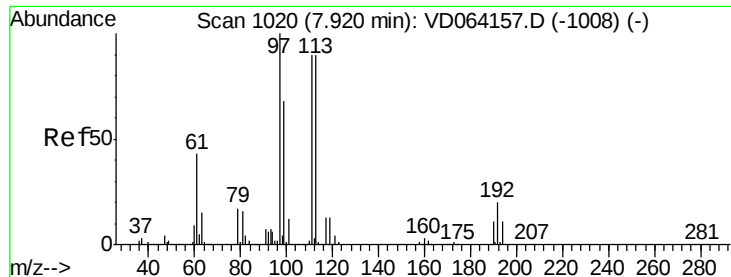
MMDadoda
 11/13/2019 9:38:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	15.0	0.0	30.2





#35

Dibromofluoromethane

Concen: 50.516 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

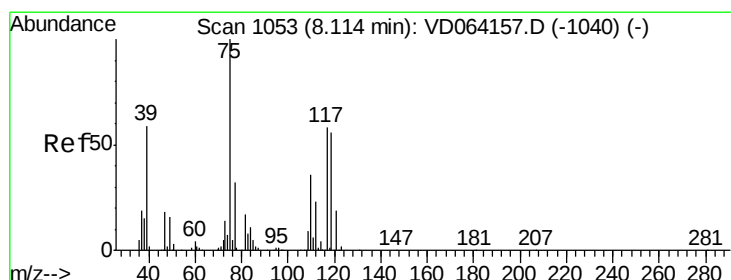
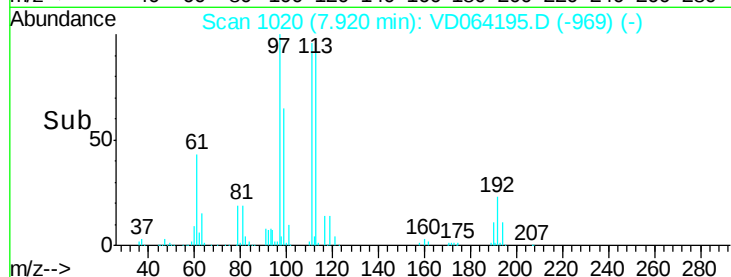
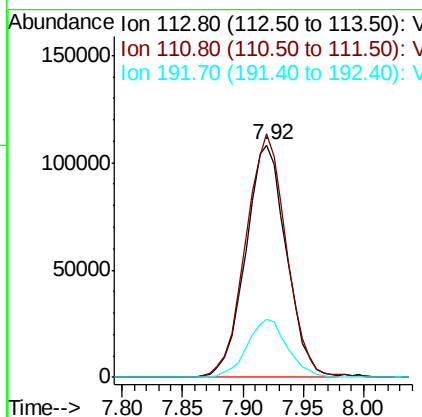
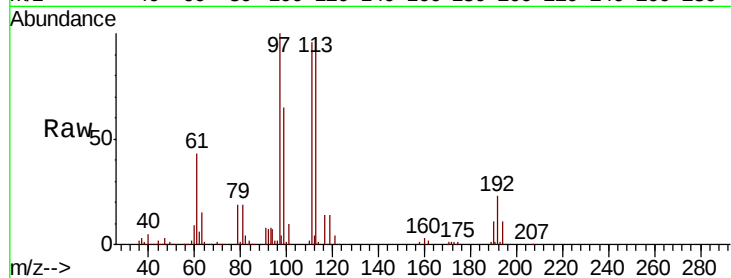
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	253770
Ion Ratio	Lower	Upper	
113	100		
111	105.0	81.5	122.3
192	24.9	18.8	28.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.624 ug/l

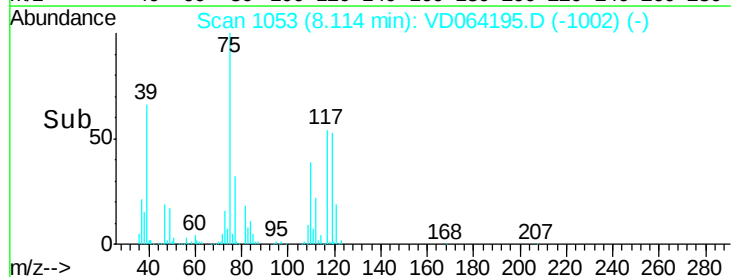
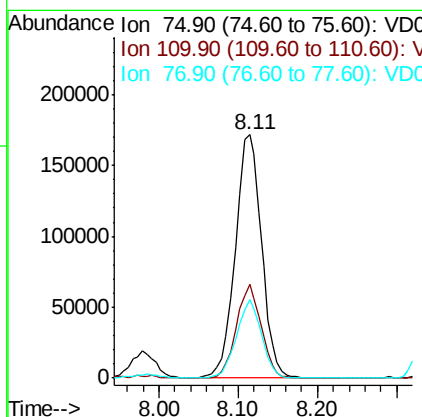
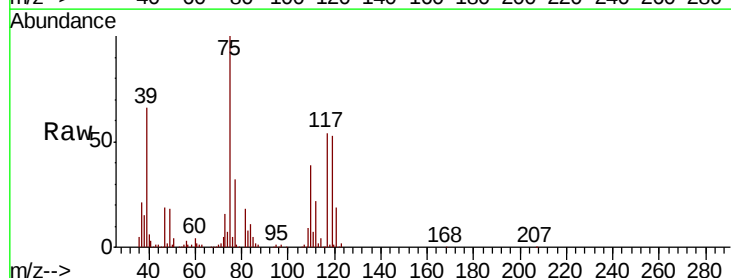
RT: 8.11 min Scan# 1053

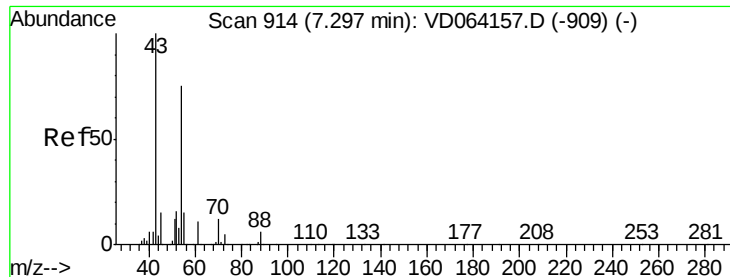
Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Tgt Ion:	75	Resp:	392739
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.3	54.9
77	30.7	25.0	37.6





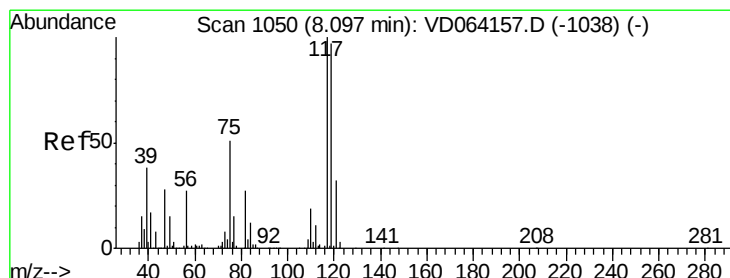
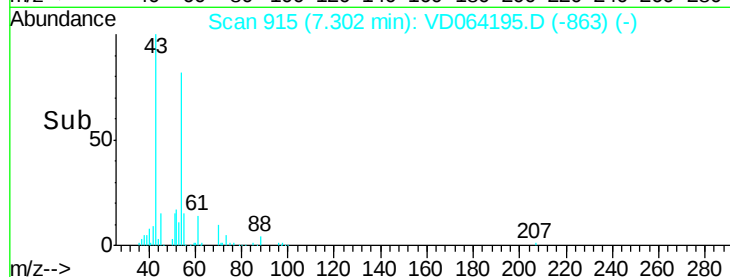
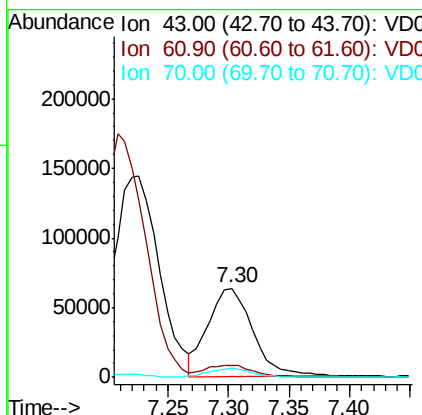
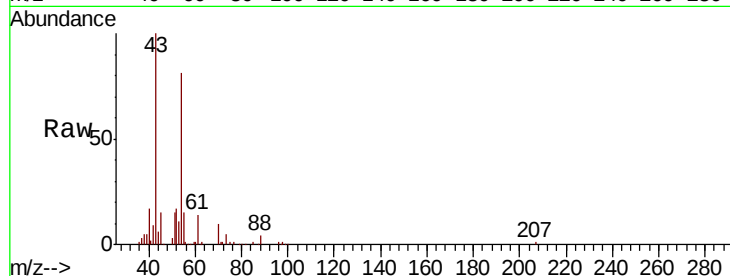
#37
Ethyl Acetate
Concen: 47.818 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	162824
Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.2	15.2
70	10.0	8.5	12.7

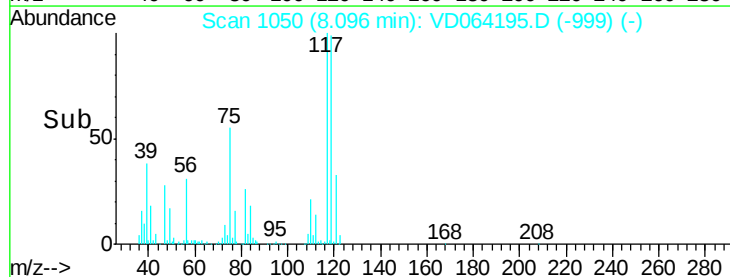
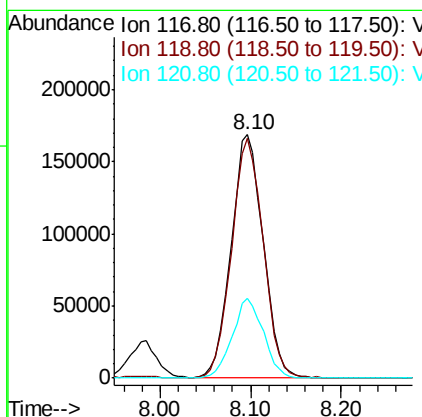
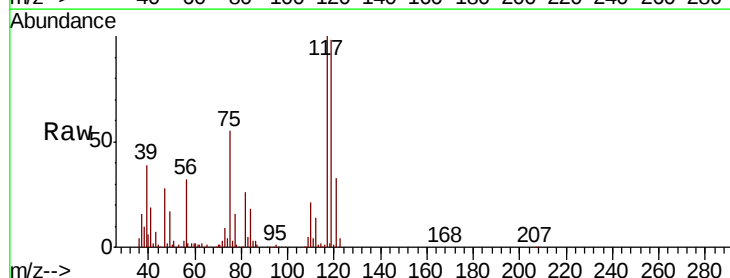
Manual Integrations
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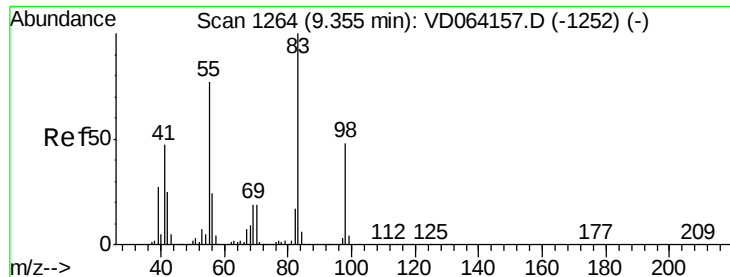
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.993 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion:	117	Resp:	414780
Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.2	115.8
121	33.0	25.5	38.3





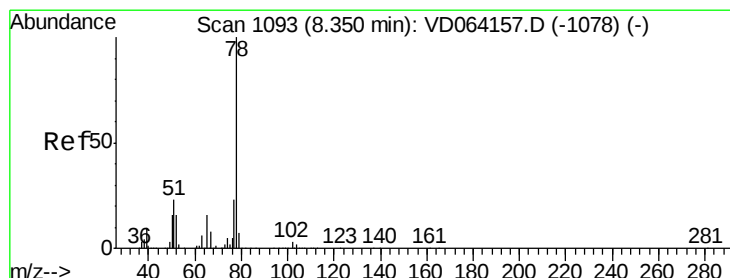
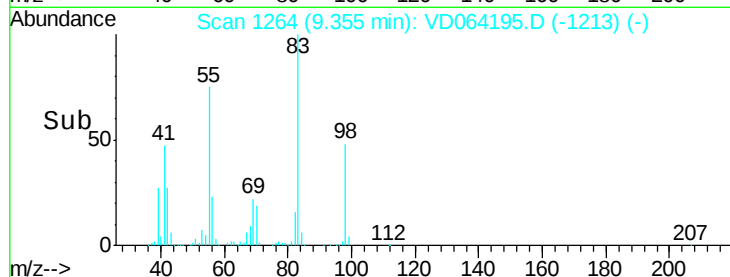
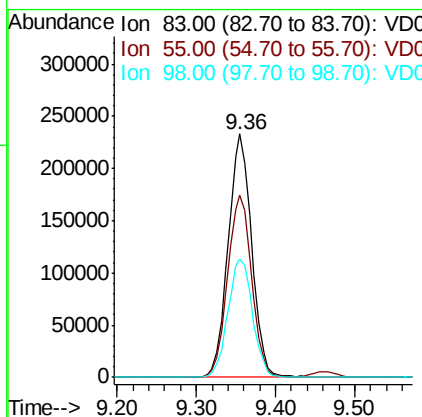
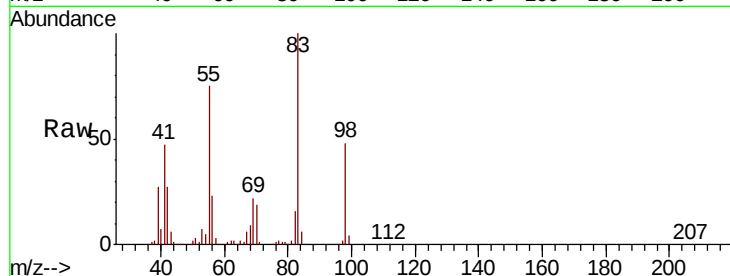
#39
Methvlcvclohexane
Concen: 46.731 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	61.7	92.5
98	48.4	38.6	58.0

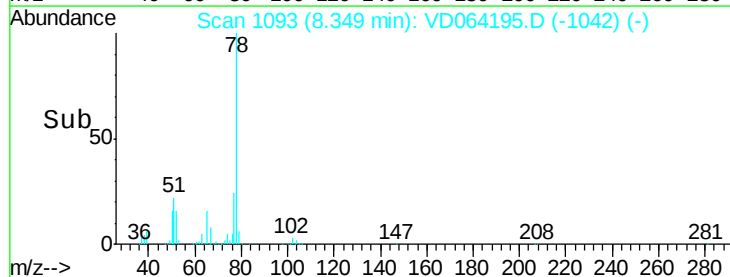
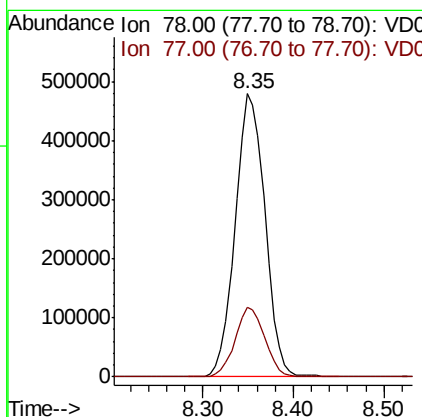
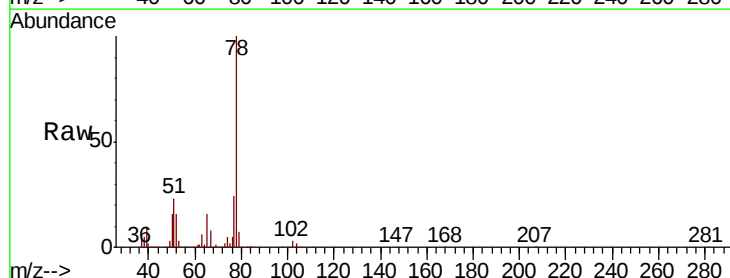
Manual Integrations
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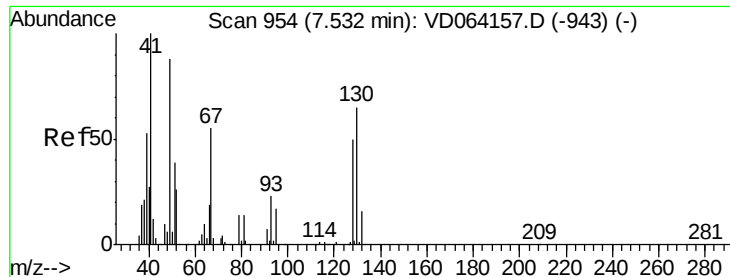
MMDadoda
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#40
Benzene
Concen: 49.588 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.6	28.0





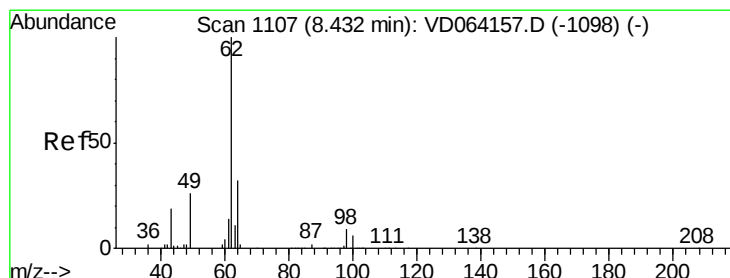
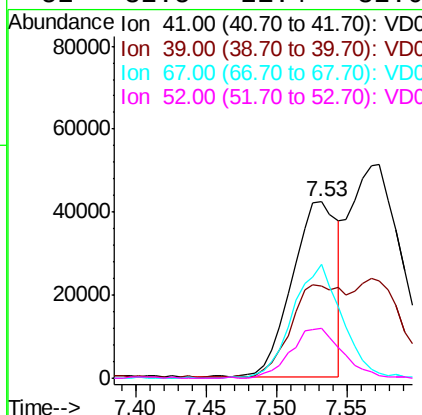
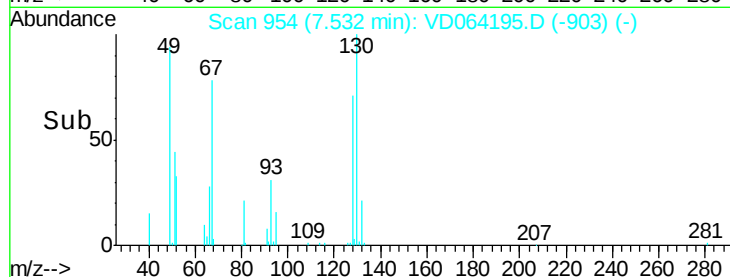
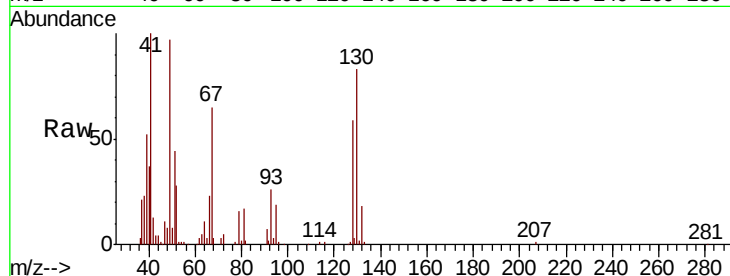
#41
Methacrylonitrile
Concen: 43.831 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.9	49.4	74.2
67	72.1	49.6	74.4
52	32.5	21.4	32.0#

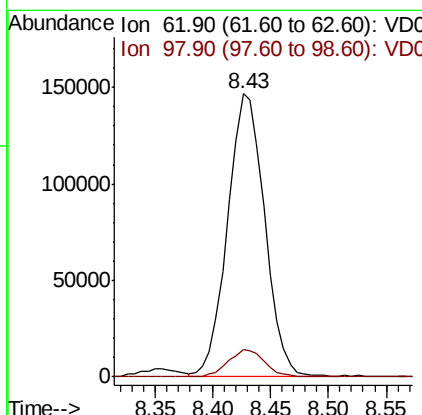
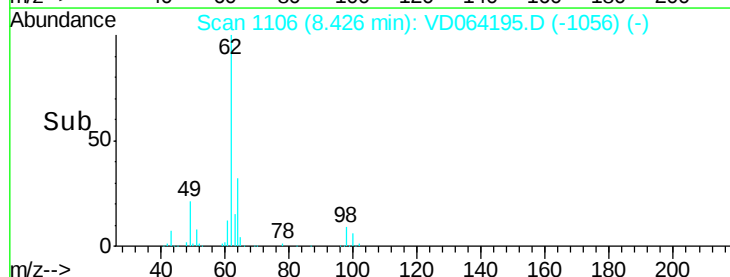
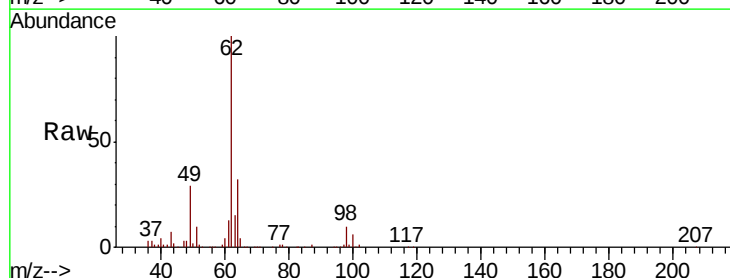
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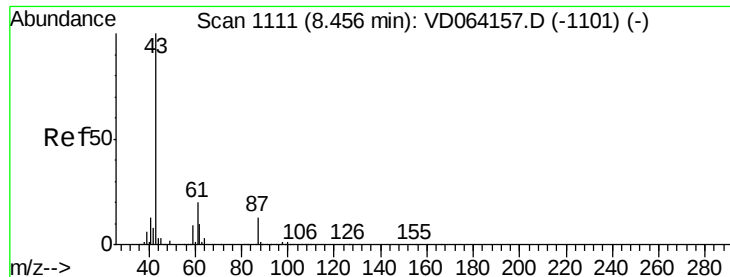
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.845 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





#43

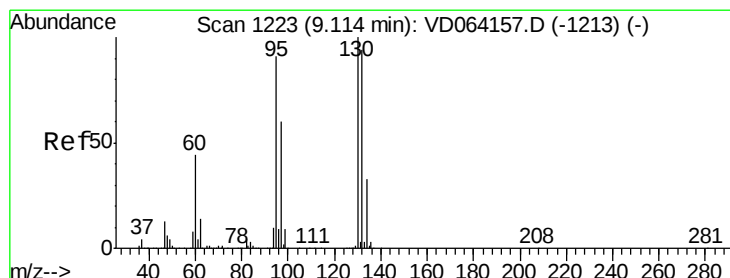
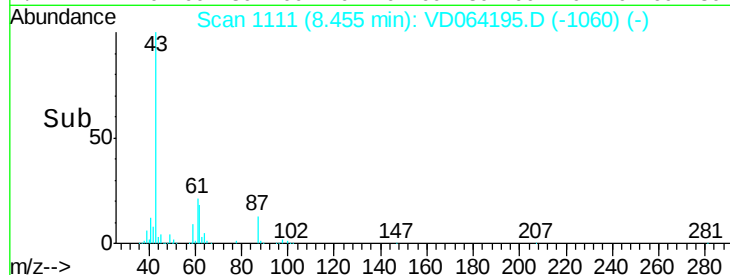
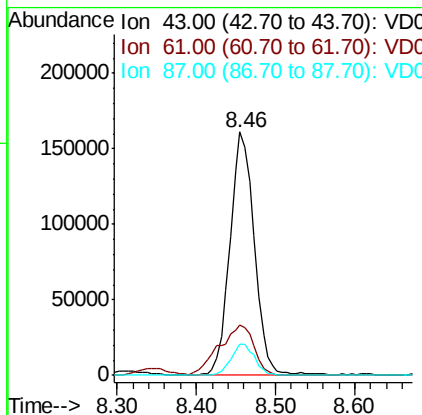
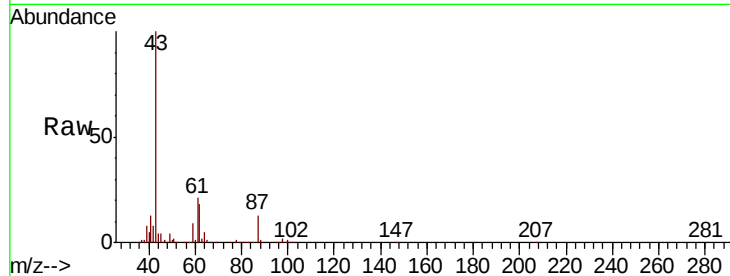
Isopropyl Acetate
 Concen: 48.609 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	341030
Ion Ratio	100	Lower	Upper
43	100		
61	29.6	22.9	34.3
87	12.4	10.2	15.2

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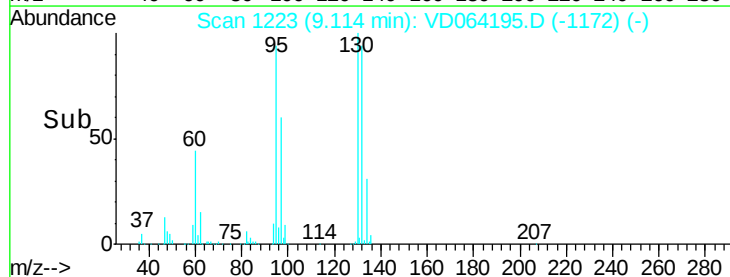
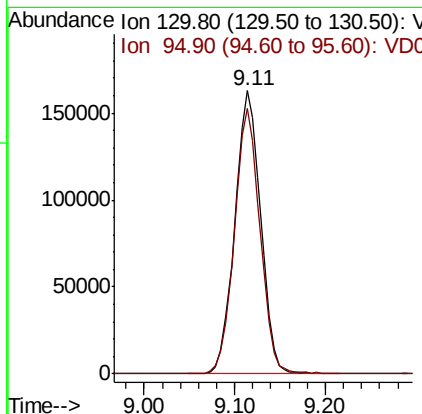
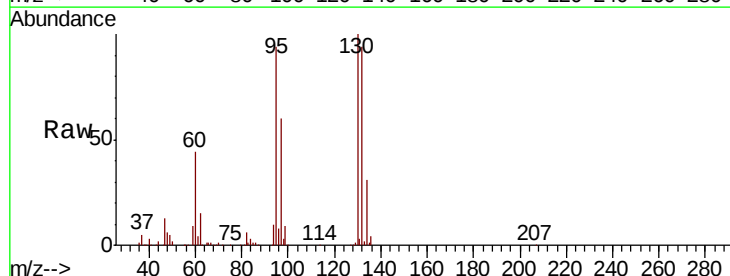
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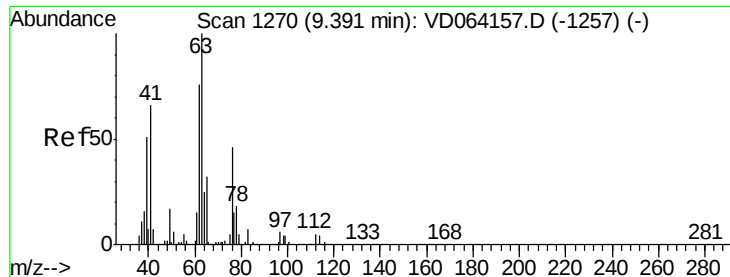


#44

Trichloroethene
 Concen: 48.724 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Tgt Ion	130	Resp	322809
Ion Ratio	100	Lower	Upper
130	100		
95	93.9	0.0	181.6





#45

1,2-Dichloropropane

Concen: 50.003 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 268659

Ion Ratio Lower Upper

63 100

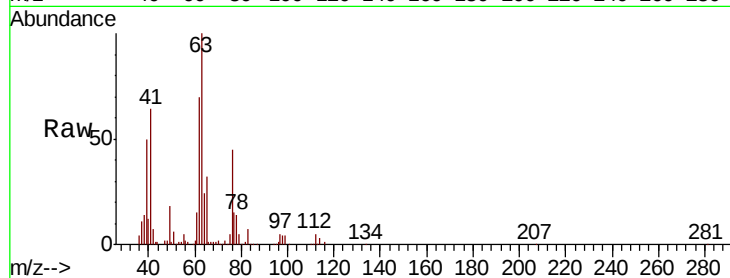
65 31.9 25.7 38.5

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

150000

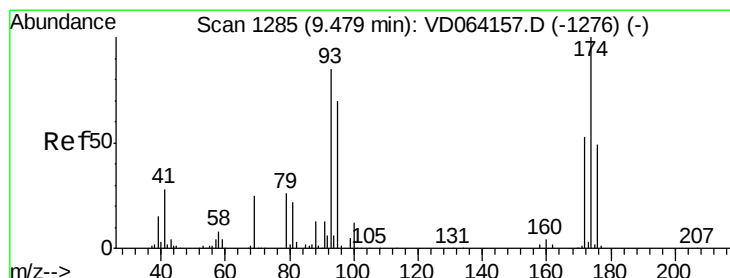
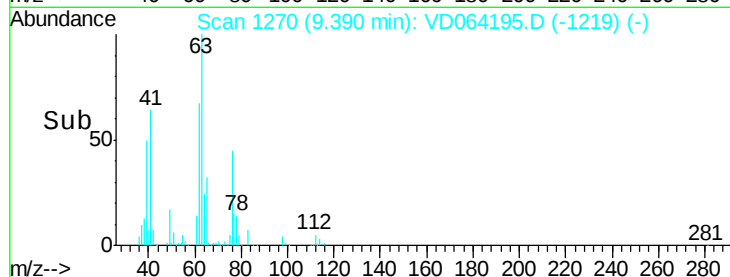
100000

50000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 50.223 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

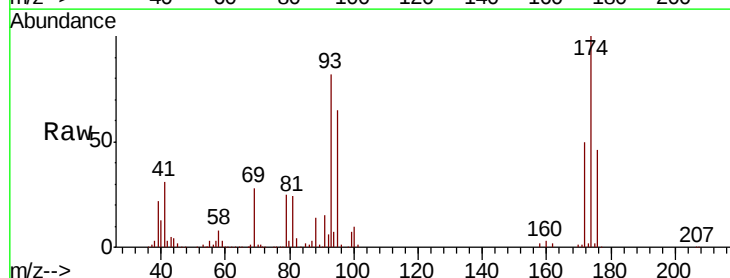
Tgt Ion: 93 Resp: 144463

Ion Ratio Lower Upper

93 100

95 81.0 65.5 98.3

174 117.7 93.9 140.9



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

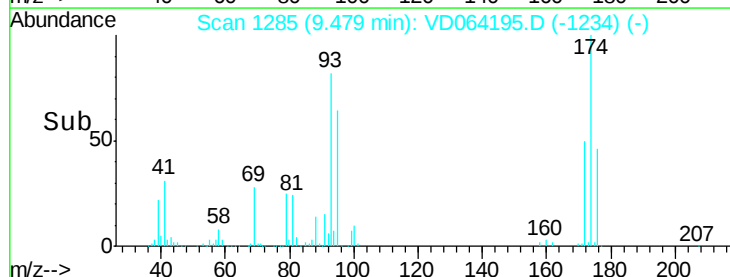
40000

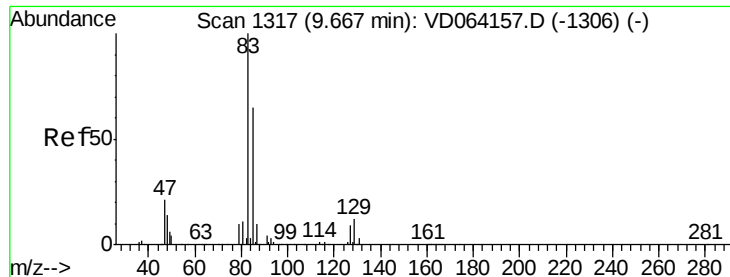
20000

0

9.40 9.50 9.60

Time-->





#47

Bromodichloromethane

Concen: 50.355 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

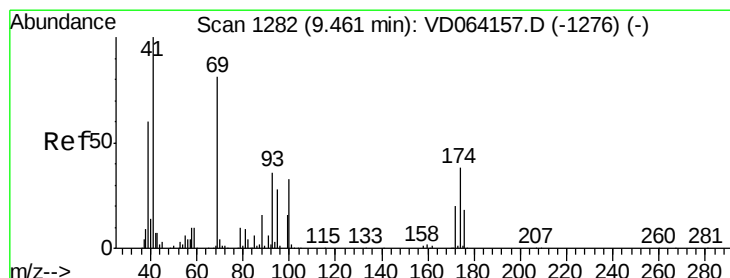
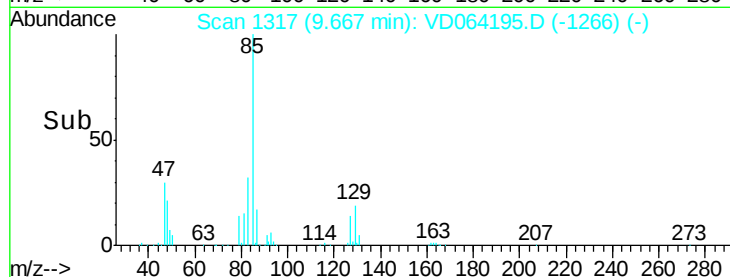
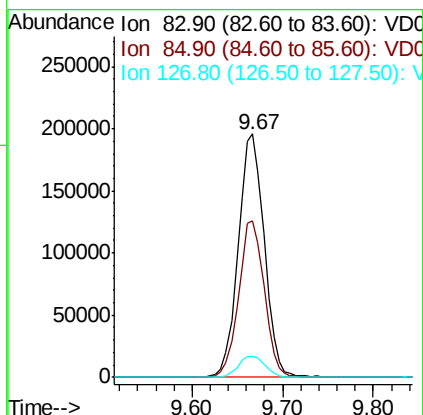
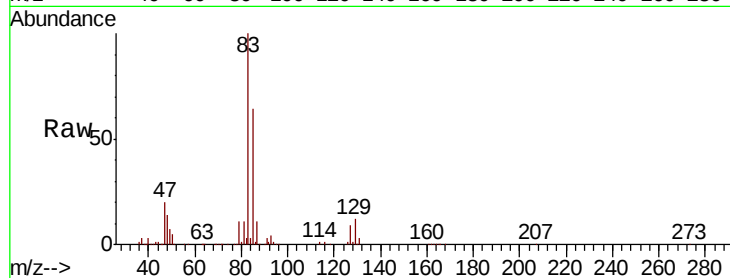
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	390146
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.2	78.4
127	8.8	7.5	11.3

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#48

Methyl methacrylate

Concen: 45.617 ug/l

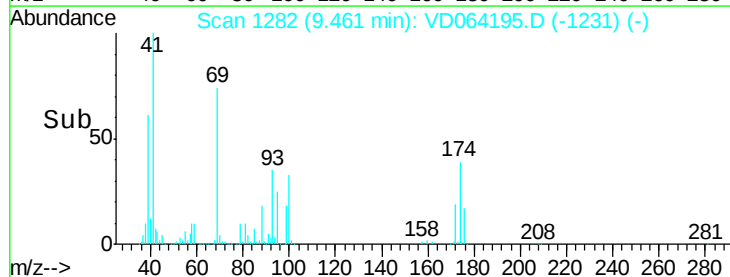
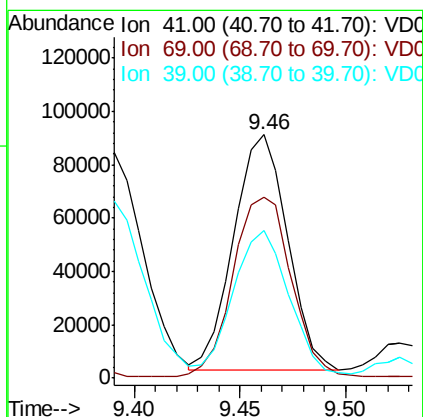
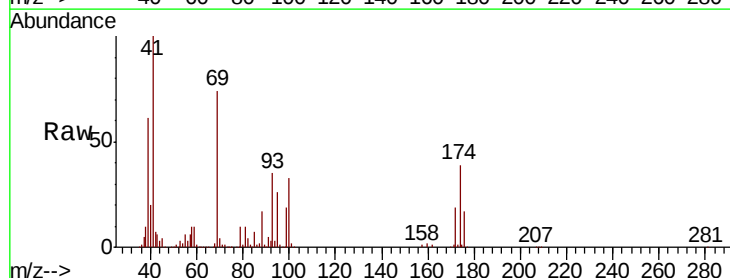
RT: 9.46 min Scan# 1282

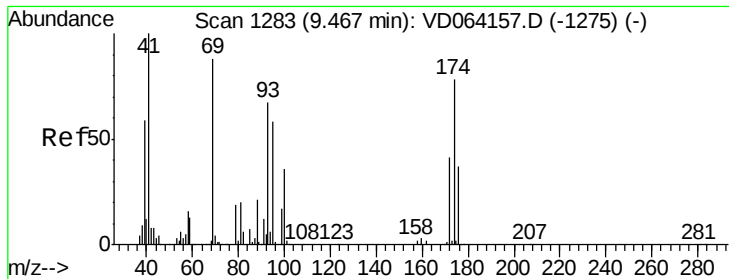
Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Tgt Ion:	41	Resp:	156493
Ion	Ratio	Lower	Upper
41	100		
69	84.5	64.6	97.0
39	66.3	48.2	72.2





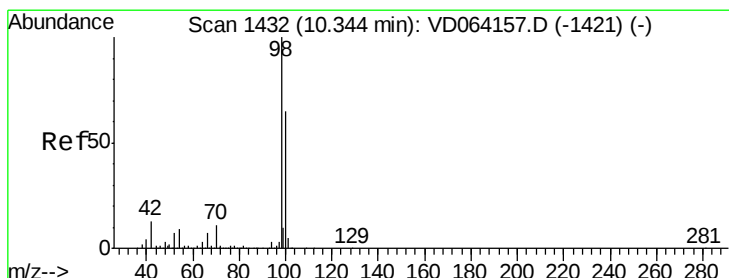
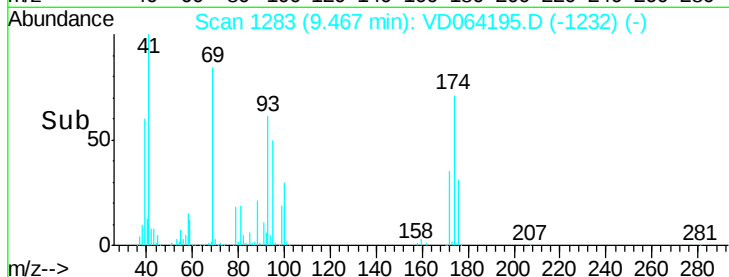
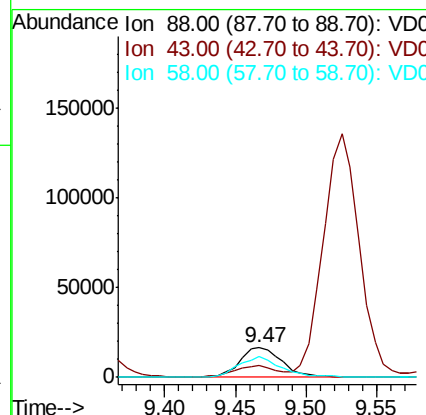
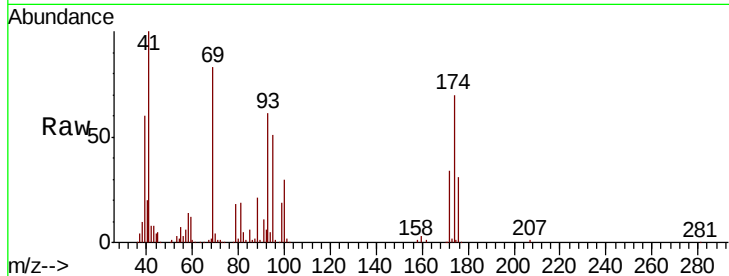
#49
1,4-Dioxane
Concen: 1015.558 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	29.8	44.8
58	72.1	58.1	87.1

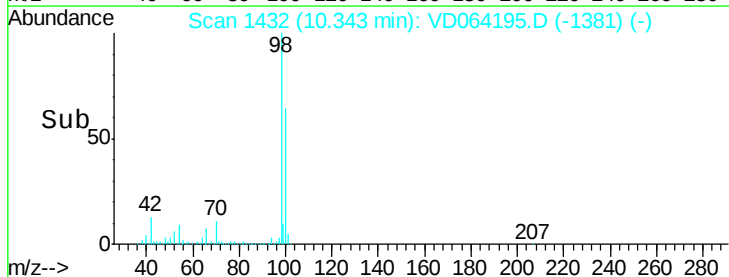
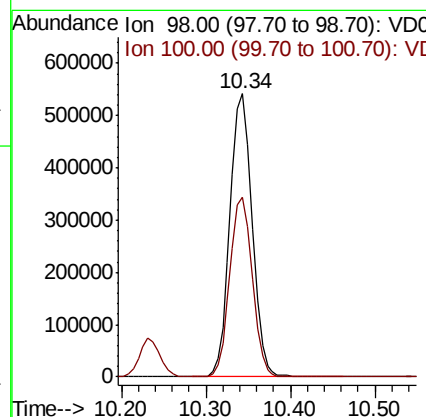
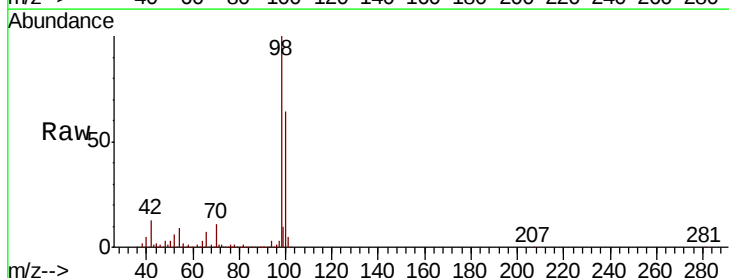
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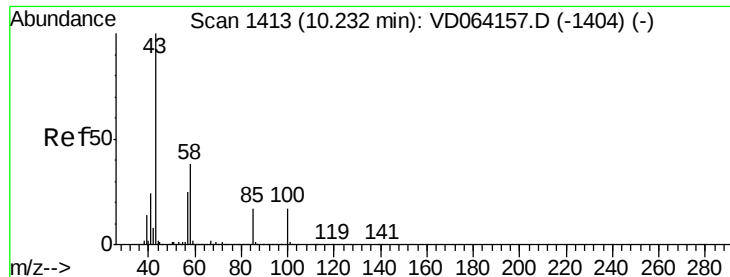
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#50
Toluene-d8
Concen: 51.895 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 240.719 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 809872

Ion Ratio Lower Upper

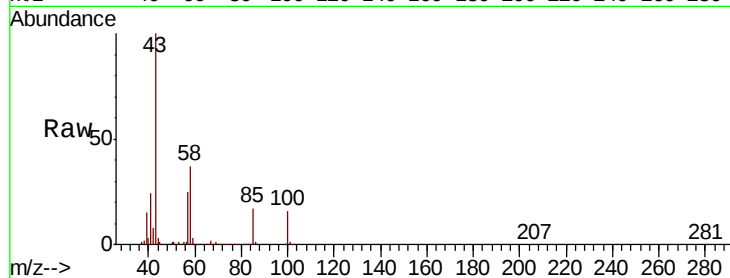
43 100

58 37.3 30.2 45.4

Manual Integrations
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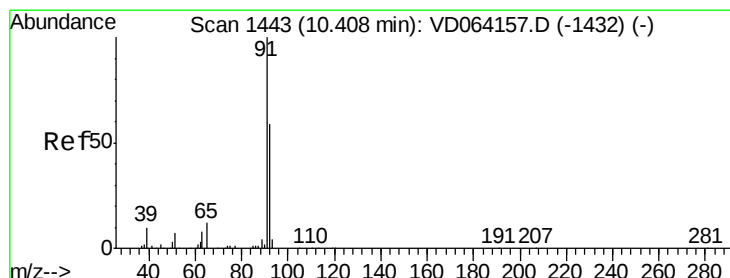
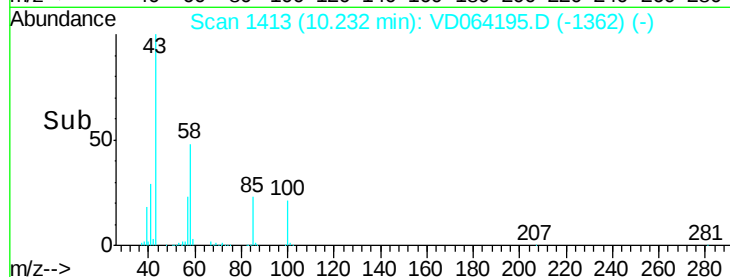
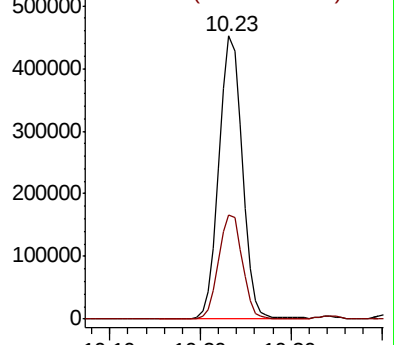
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 49.038 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064195.D

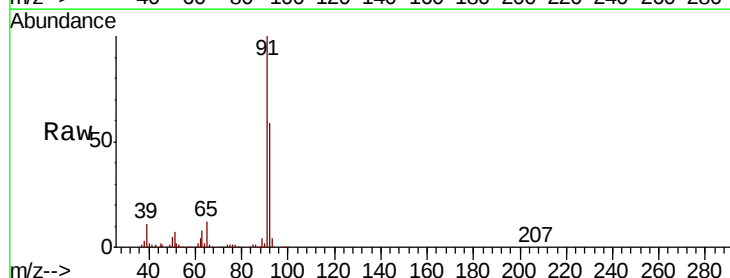
Acq: 12 Nov 2019 14:35

Tgt Ion: 92 Resp: 711797

Ion Ratio Lower Upper

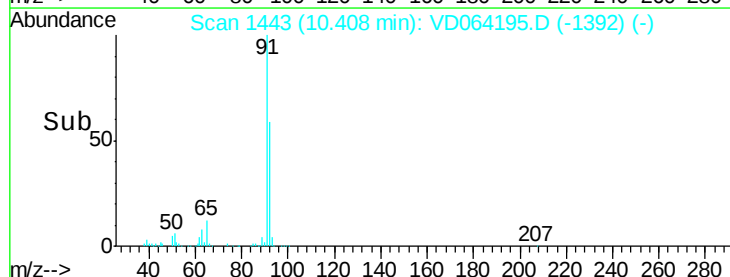
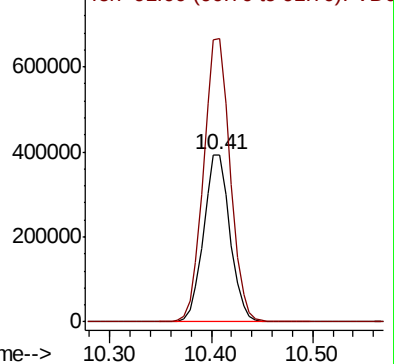
92 100

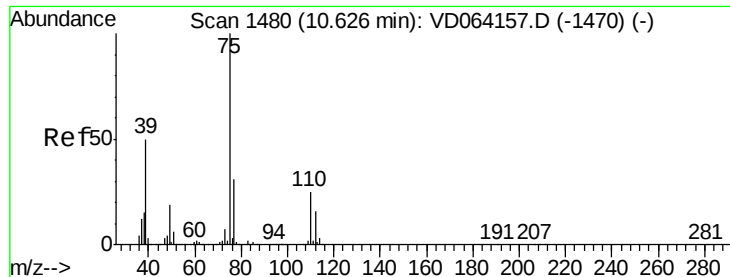
91 171.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





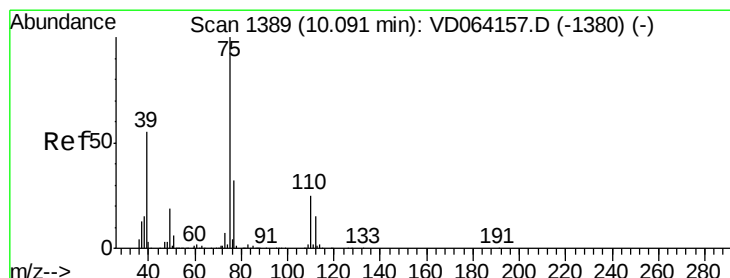
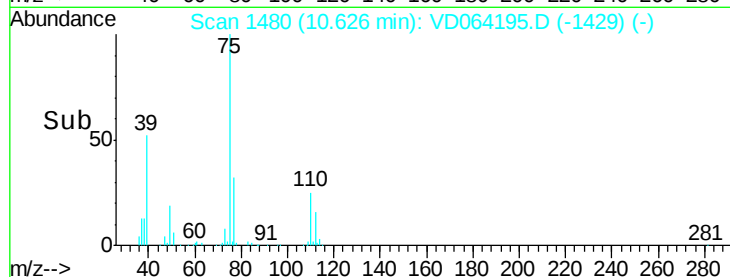
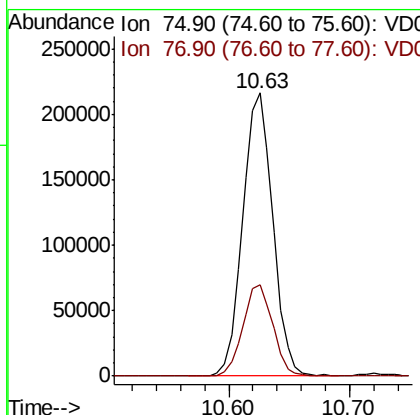
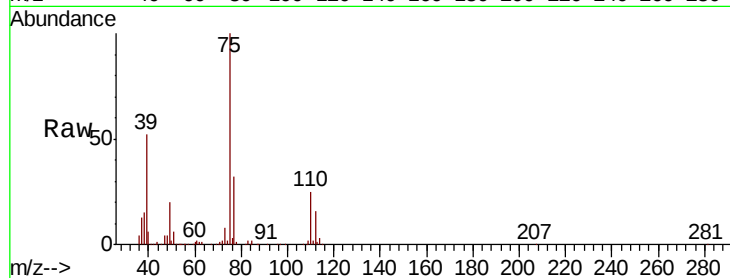
#53
t-1,3-Dichloropropene
Concen: 48.553 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 376877
Ion Ratio Lower Upper
75 100
77 32.1 24.7 37.1

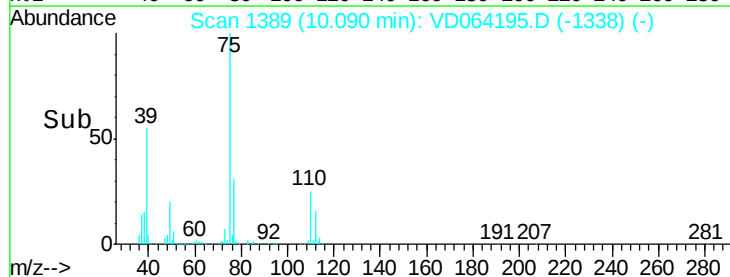
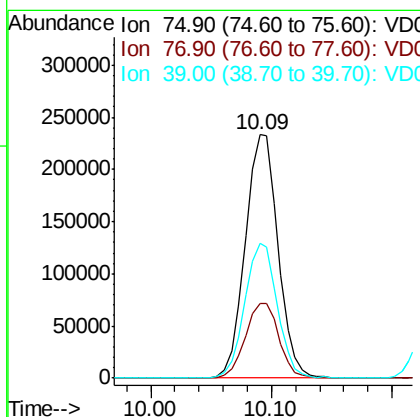
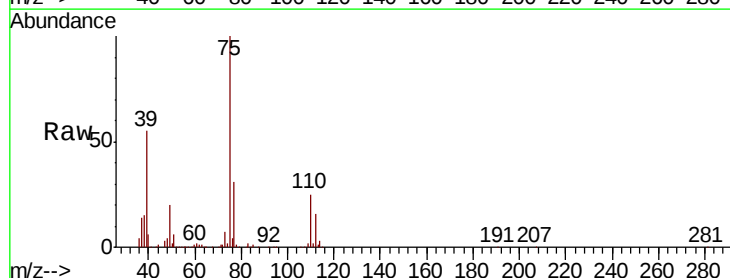
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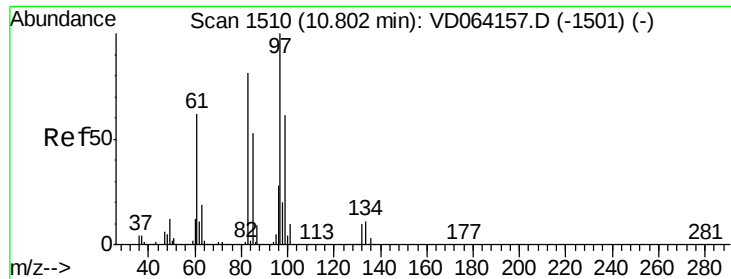
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 48.981 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 75 Resp: 443666
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8
39 55.0 44.2 66.2





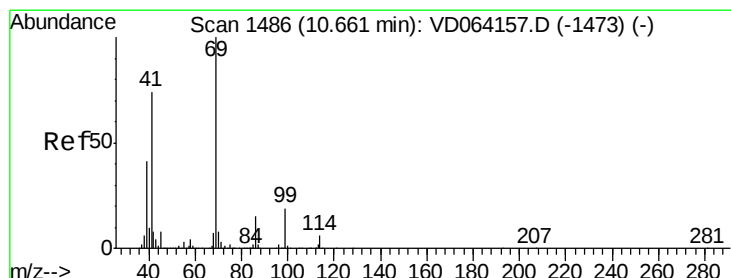
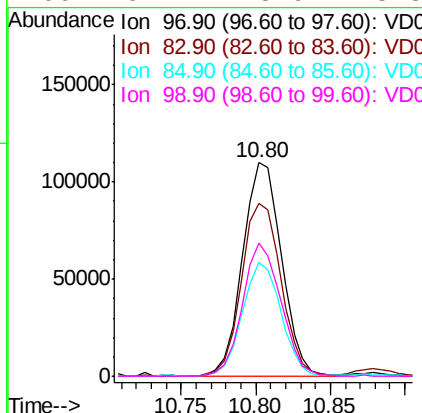
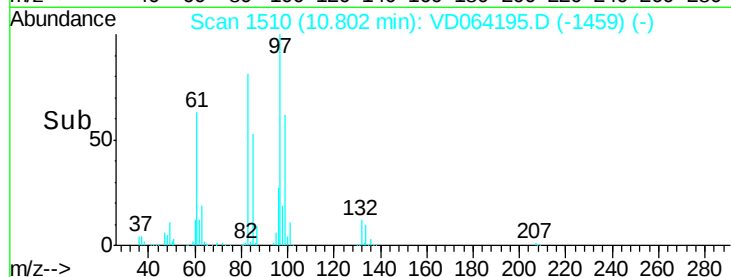
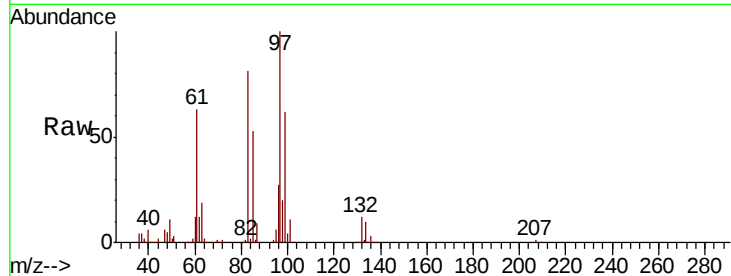
#55
 1,1,2-Trichloroethane
 Concen: 50.747 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	198018
Ion	Ratio	Lower	Upper
97	100		
83	81.0	65.1	97.7
85	53.3	42.0	63.0
99	62.4	48.9	73.3

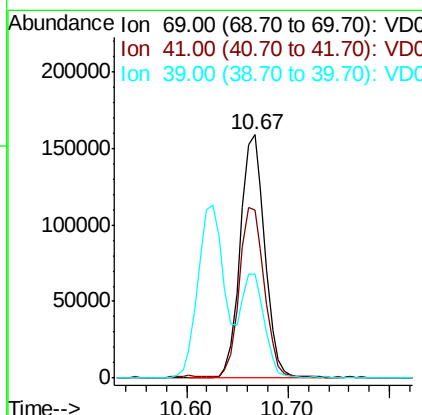
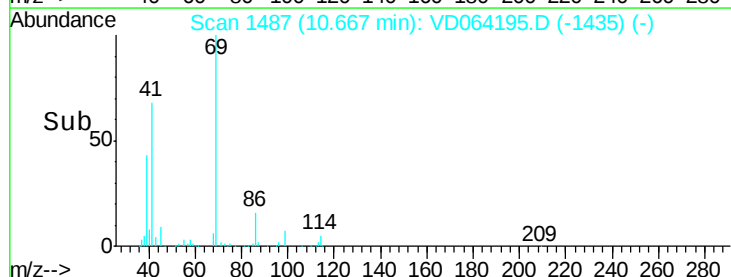
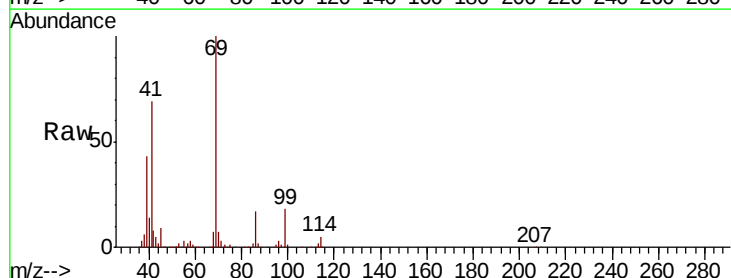
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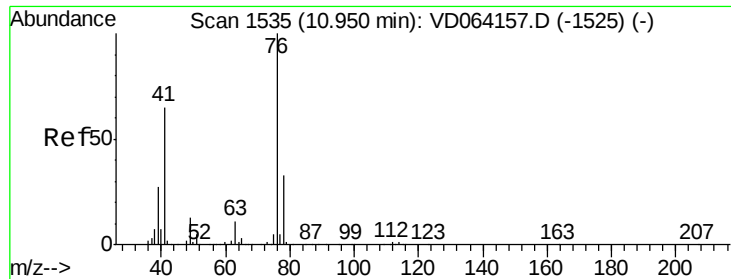
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#56
 Ethyl methacrylate
 Concen: 48.965 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Tgt Ion	69	Resp	267274
Ion	Ratio	Lower	Upper
69	100		
41	70.5	57.9	86.9
39	37.7	29.0	43.4





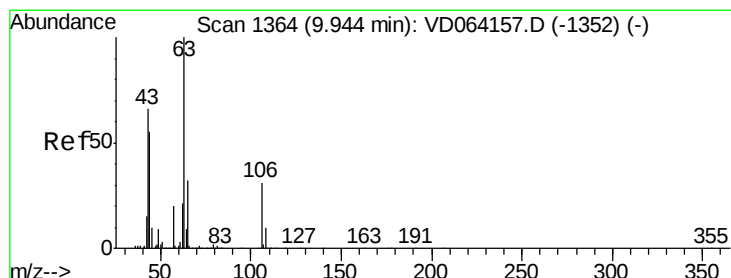
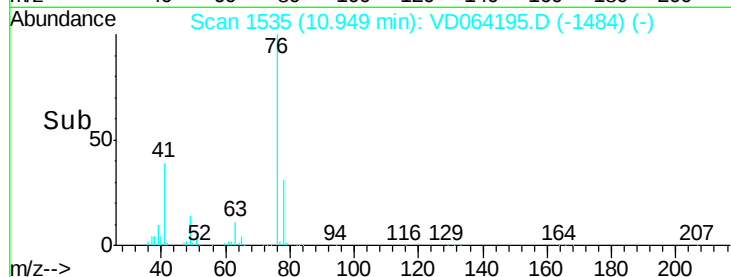
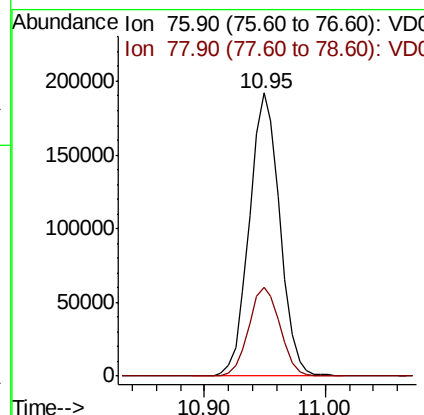
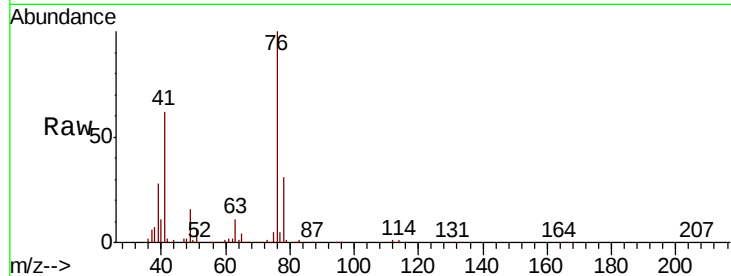
#57
 1,3-Dichloropropane
 Concen: 49.741 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

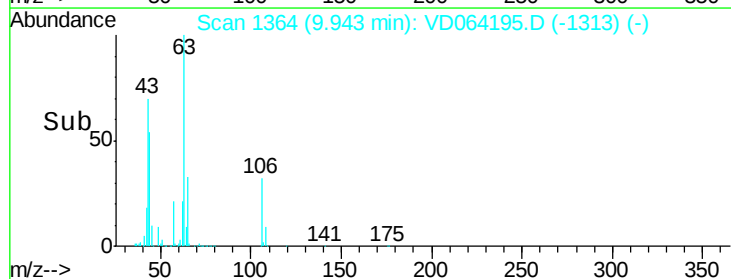
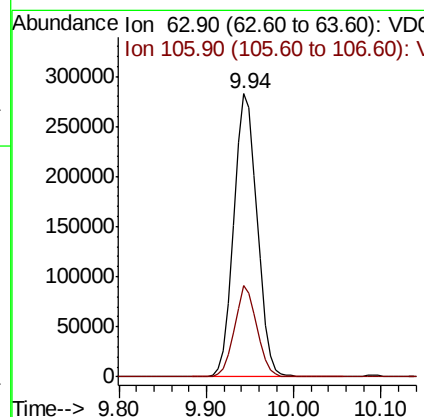
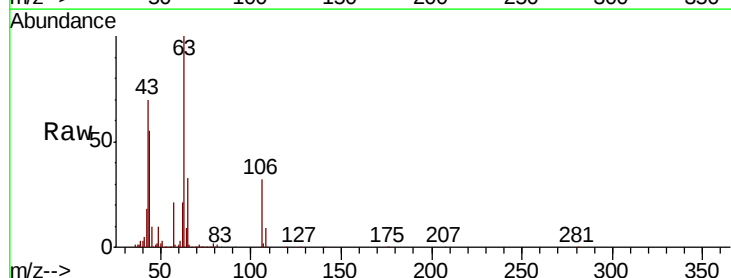
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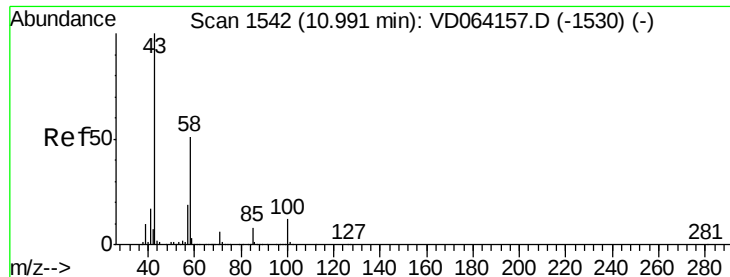
MMDadoda
 11/13/2019 9:38:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.446 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.9	24.1	36.1





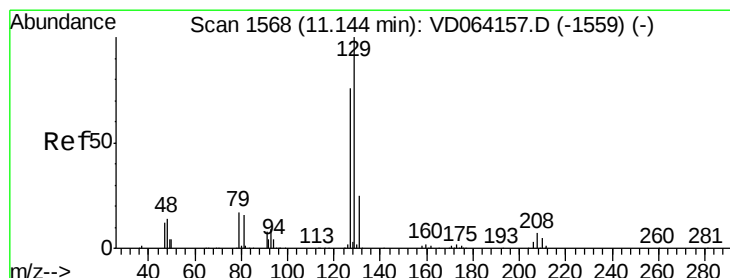
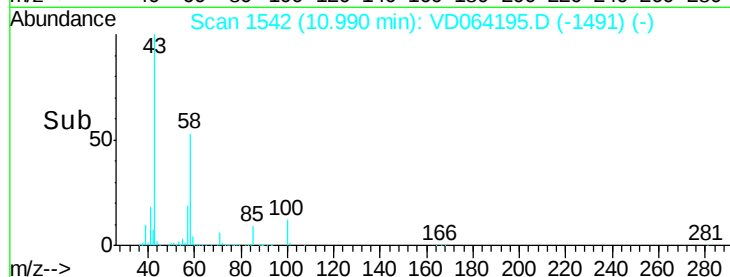
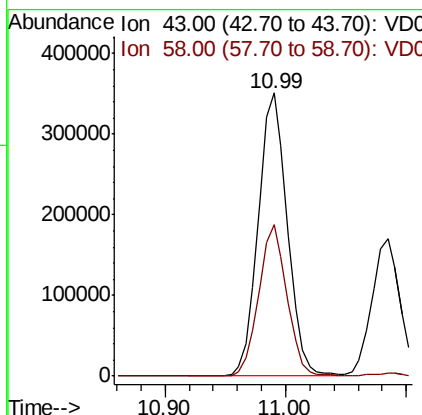
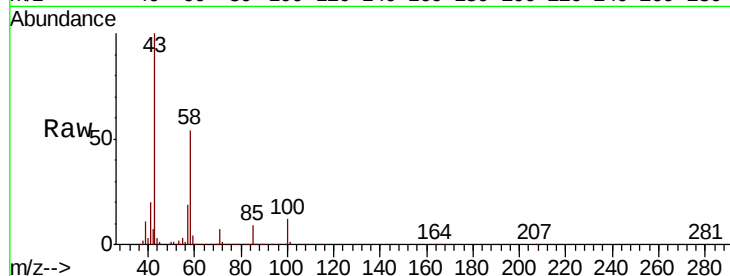
#59
2-Hexanone
Concen: 244.273 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 584686
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.7

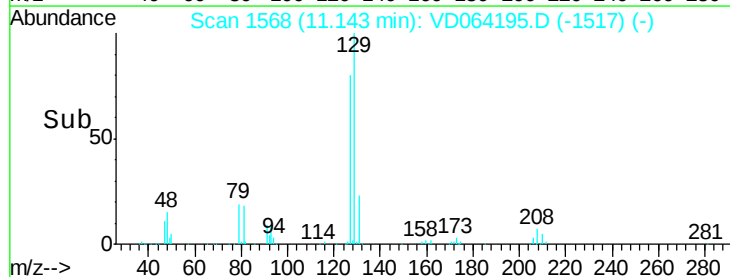
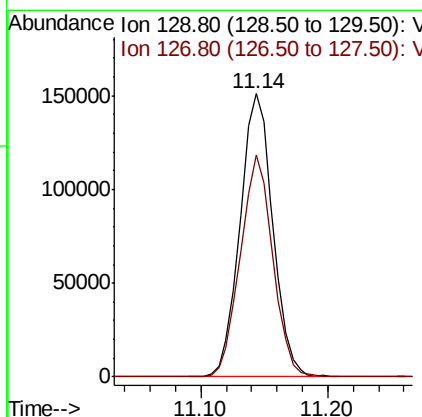
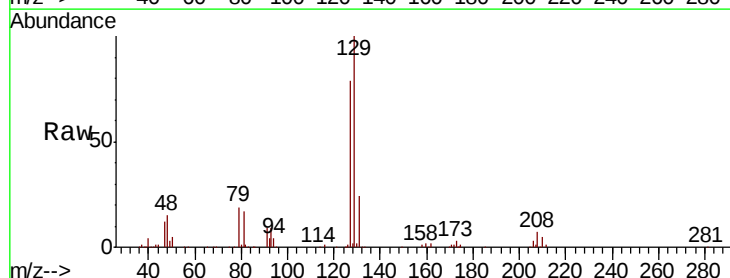
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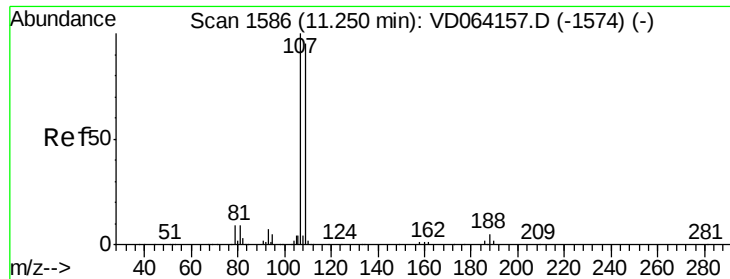
MMDadoda
11/13/2019 9:38:51 AM



#60
Dibromochloromethane
Concen: 49.675 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 129 Resp: 270469
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





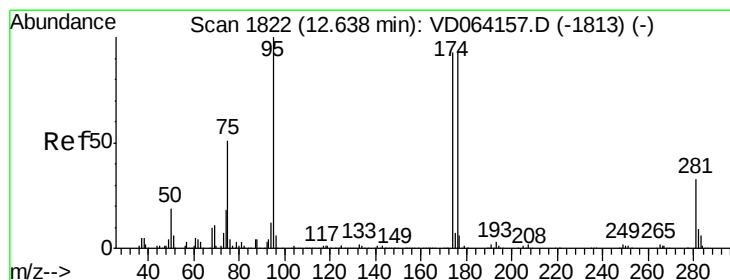
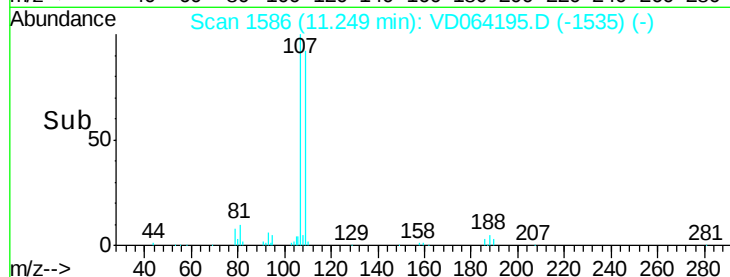
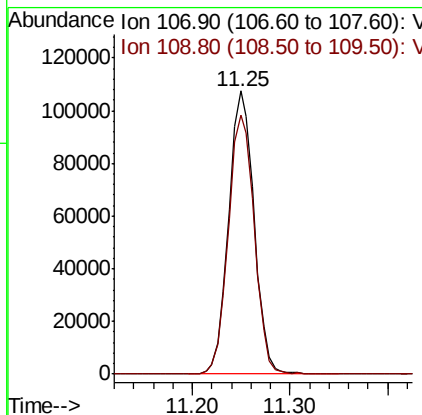
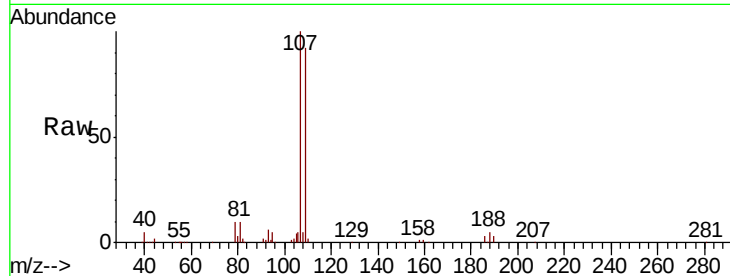
#61
 1,2-Dibromoethane
 Concen: 49.554 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 193671
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.1 112.7

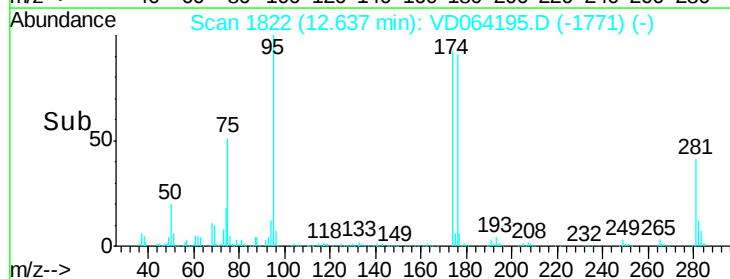
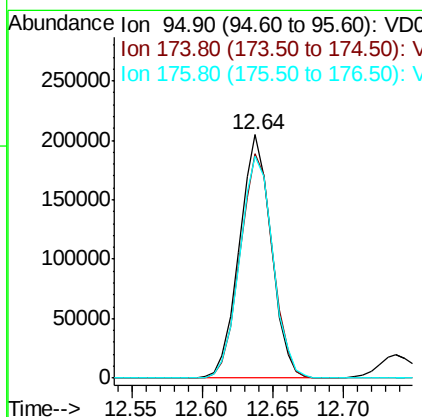
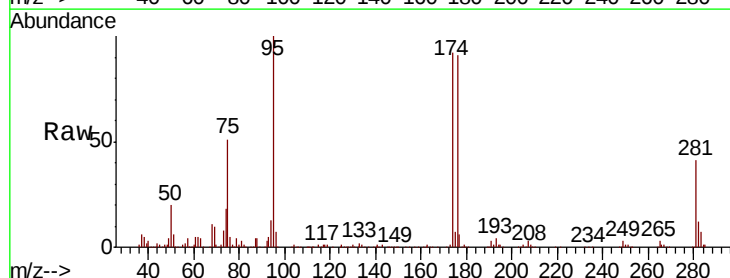
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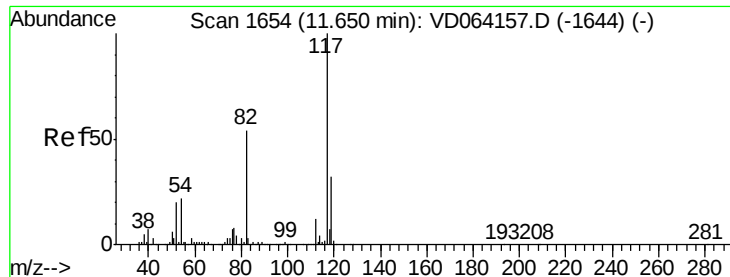
MMDadoda
 11/13/2019 9:38:51 AM



#62
 4-Bromofluorobenzene
 Concen: 49.255 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Tgt Ion: 95 Resp: 323251
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 183.6
 176 94.8 0.0 180.2





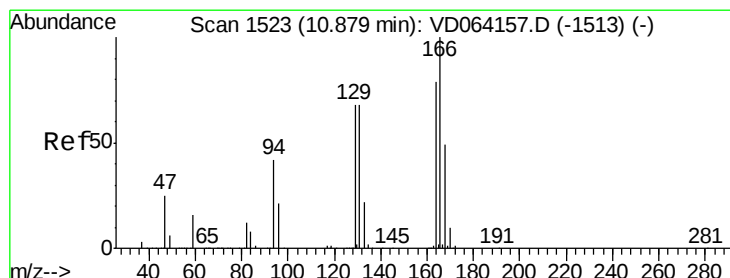
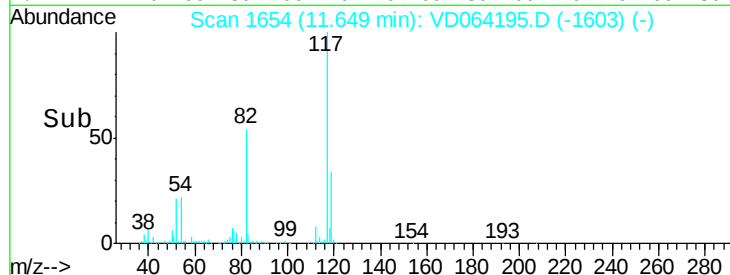
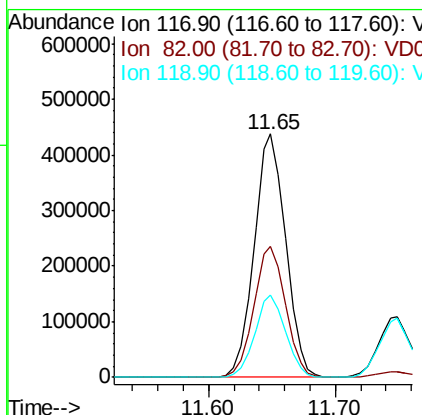
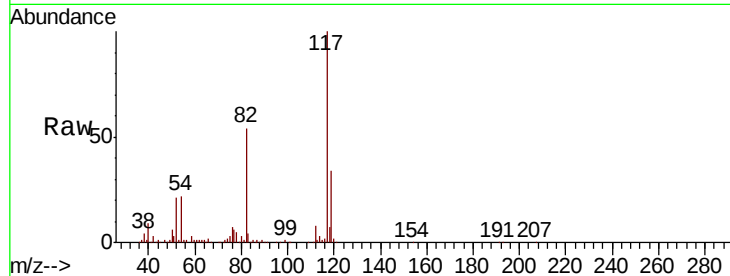
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.8	64.2
119	33.7	25.6	38.4

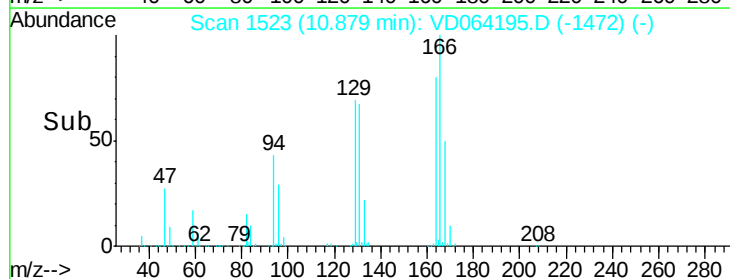
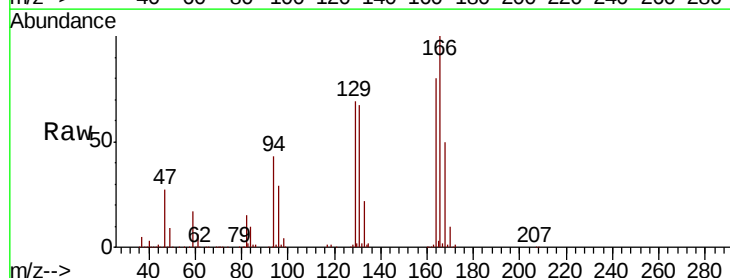
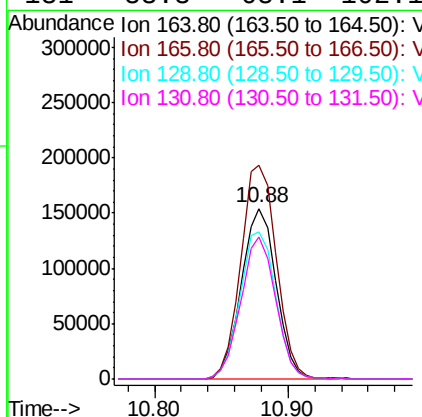
Manual Integrations
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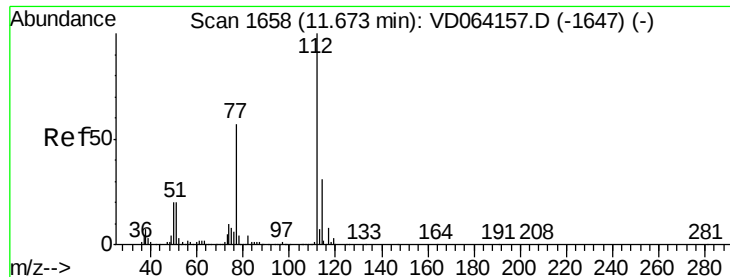
MMDadoda
11/13/2019 9:38:51 AM



#64
Tetrachloroethene
Concen: 47.830 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	100.8	151.2
129	86.6	68.7	103.1
131	83.3	68.1	102.1





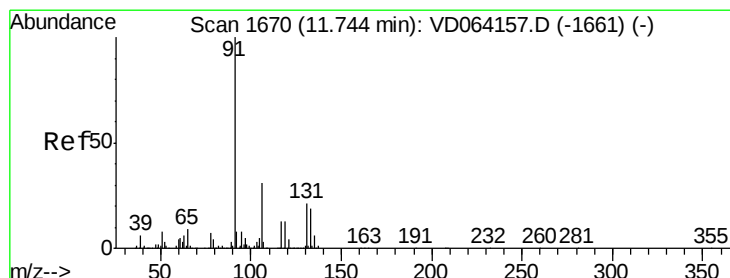
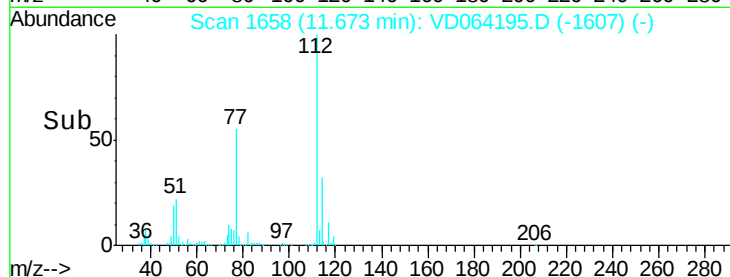
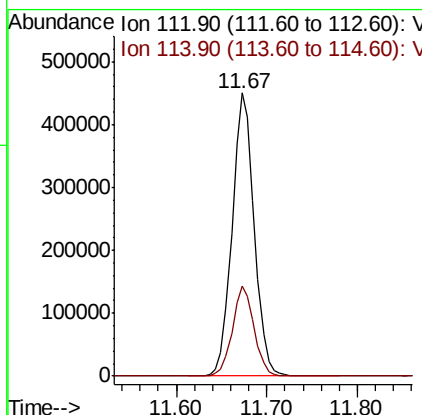
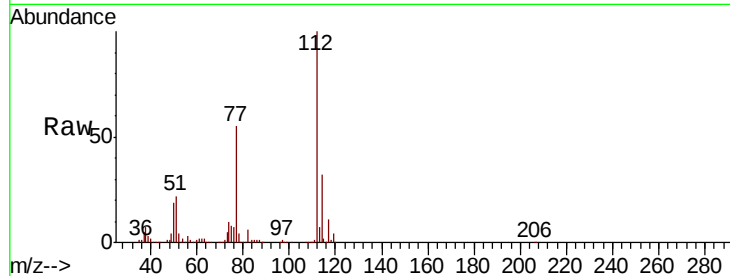
#65
Chlorobenzene
Concen: 49.357 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.2	37.8

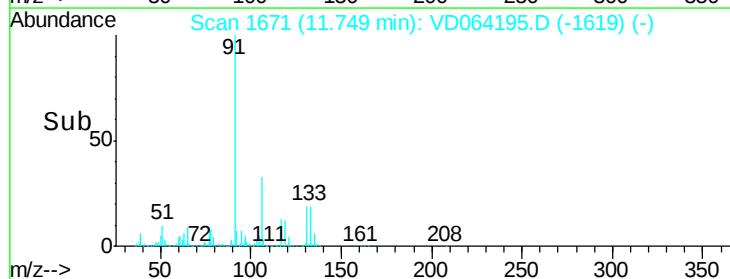
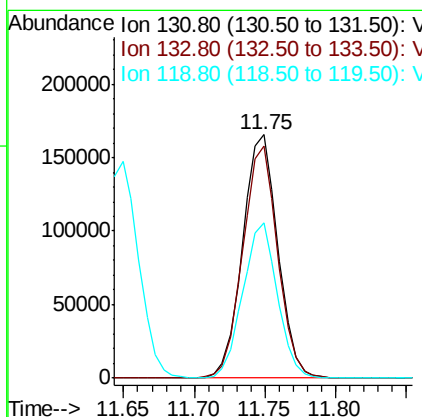
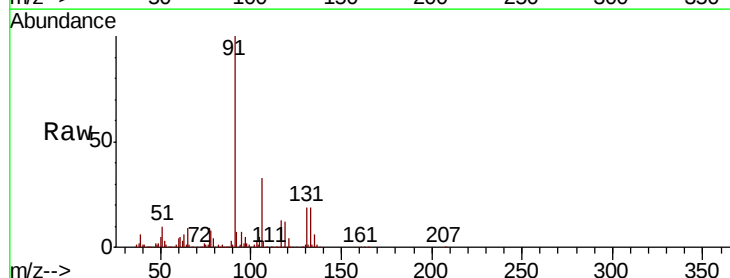
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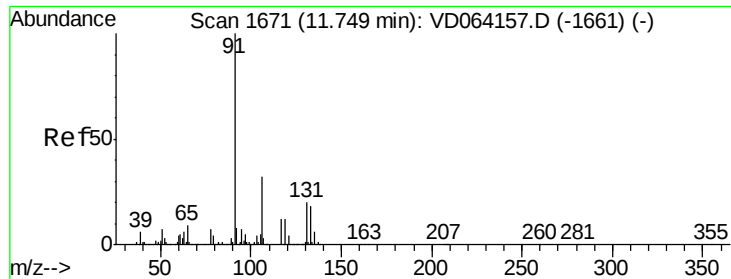
MMDadoda
11/13/2019 9:38:51 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.611 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.3	141.9
119	62.6	31.1	93.3





#67

Ethyl Benzene

Concen: 49.754 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1385933

Ion Ratio Lower Upper

91 100

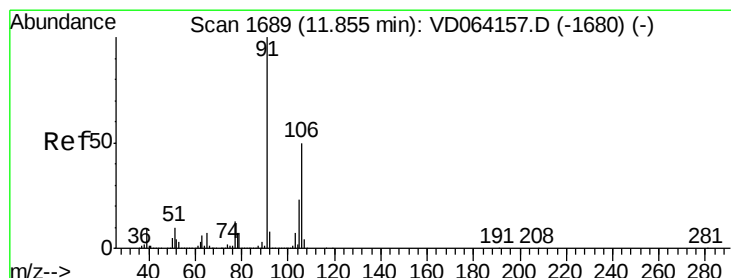
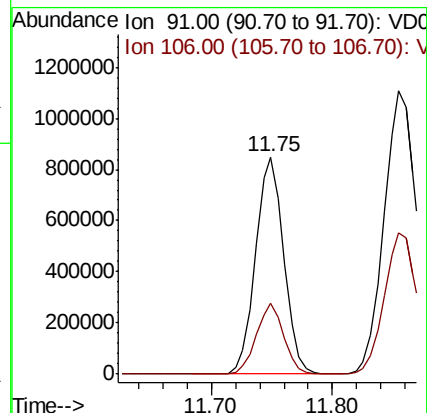
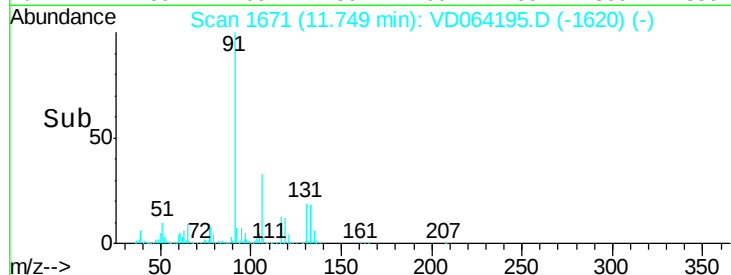
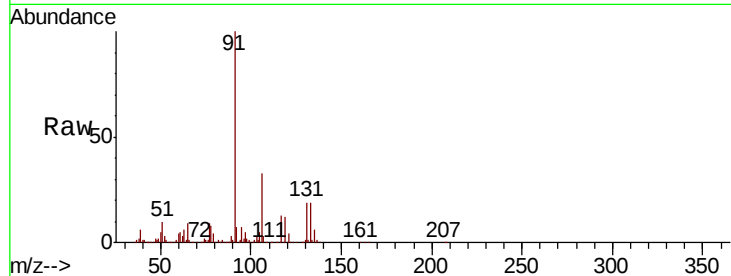
106 32.5 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.990 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064195.D

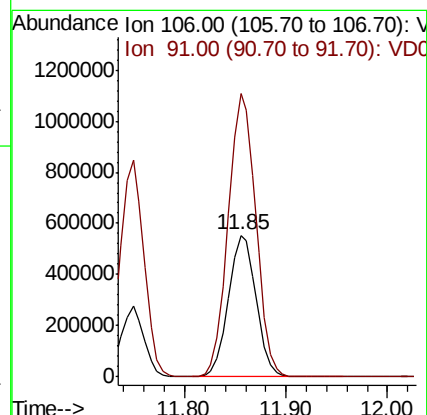
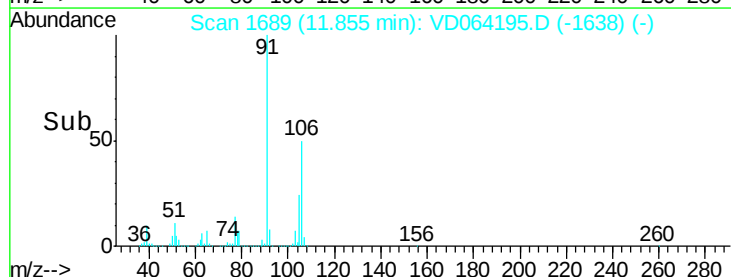
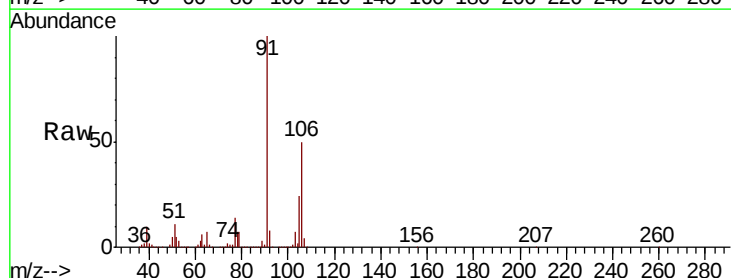
Acq: 12 Nov 2019 14:35

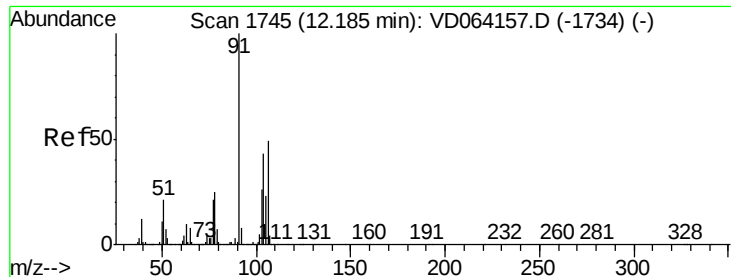
Tgt Ion: 106 Resp: 1046245

Ion Ratio Lower Upper

106 100

91 200.5 160.3 240.5





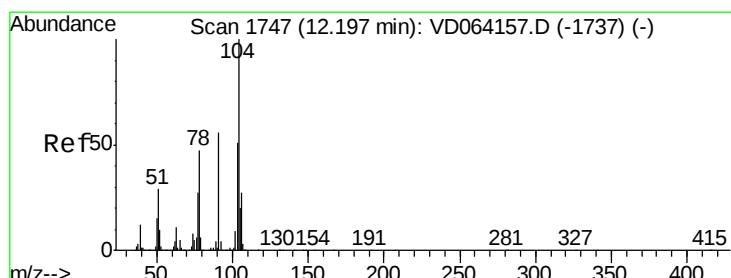
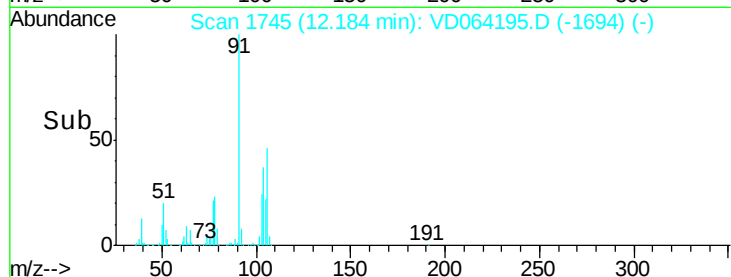
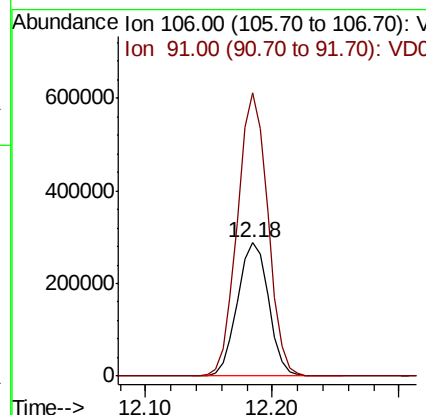
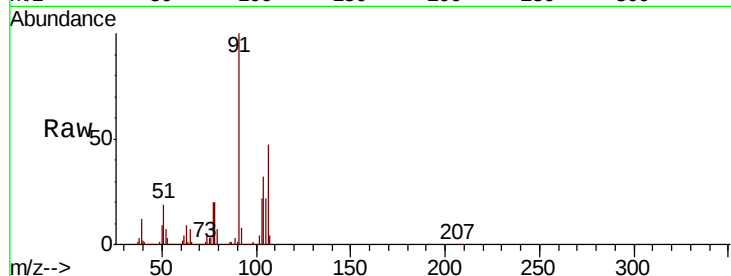
#69
o-Xylene
Concen: 49.404 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	489211		
91	207.4	105.1	315.3	

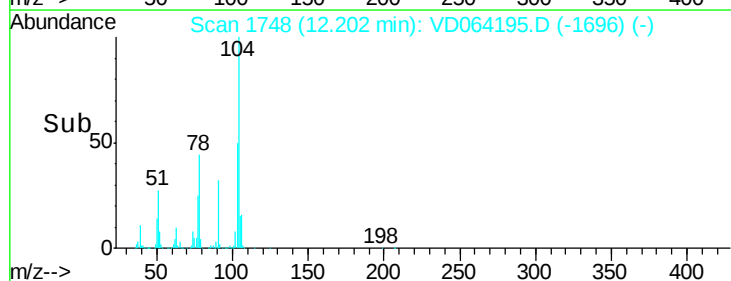
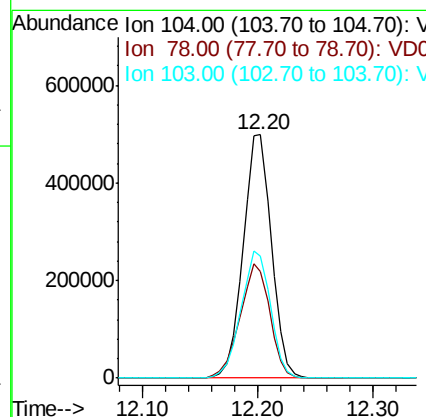
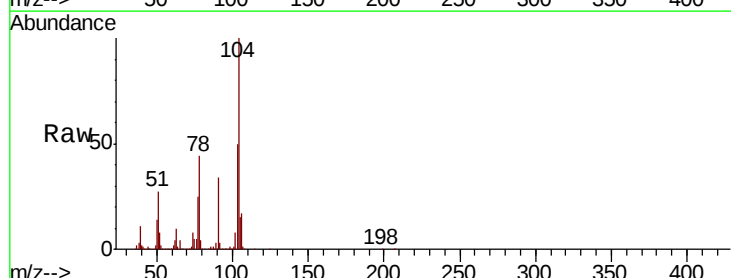
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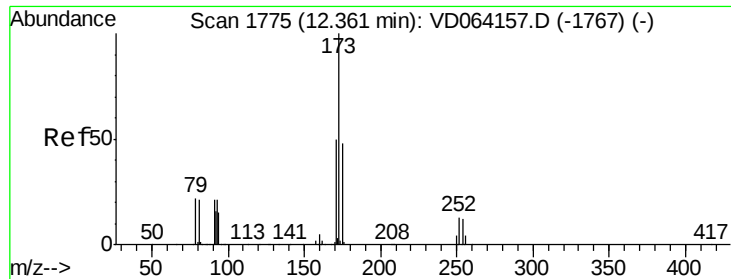
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#70
Styrene
Concen: 48.995 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	846883		
78	49.7	39.9	59.9	
103	54.6	43.4	65.0	





#71

Bromoform

Concen: 49.019 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

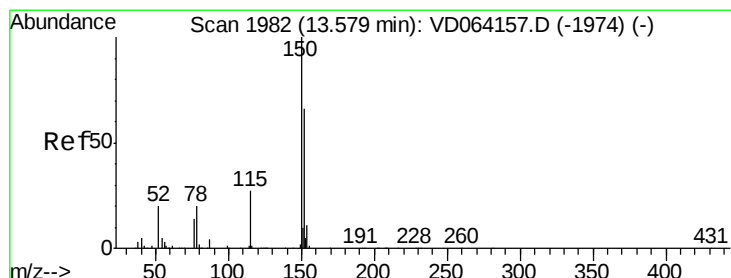
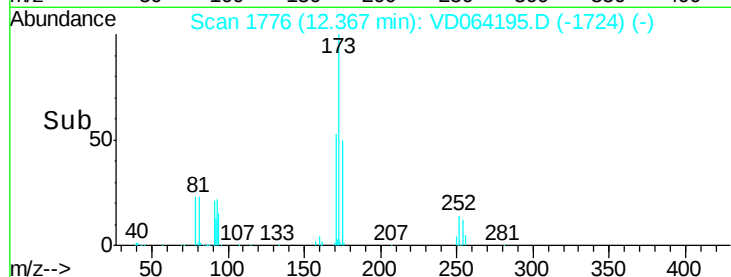
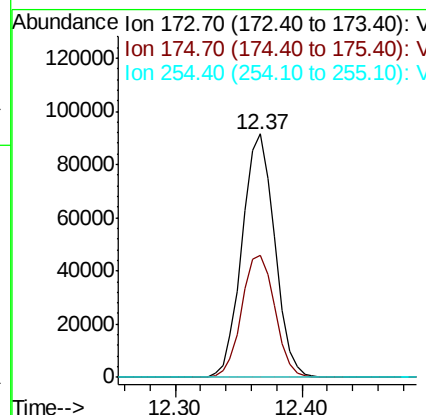
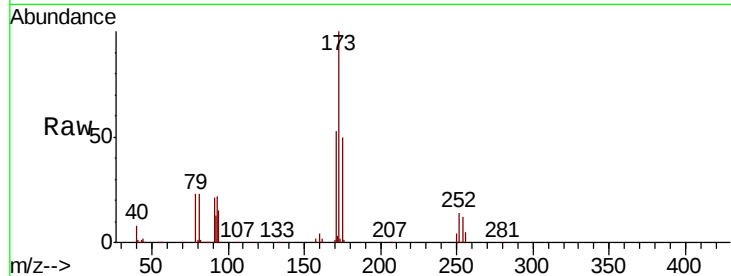
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.1	72.3
254	0.1	0.2	0.2

Manual Integrations
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11/13/2019 9:38:51 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

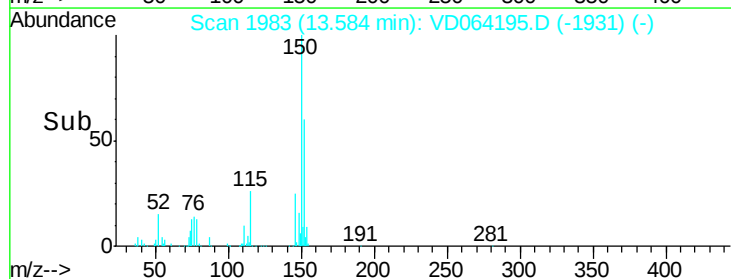
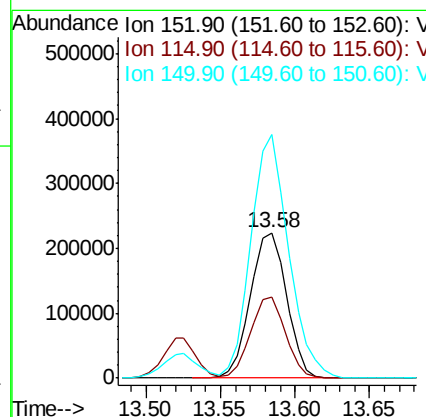
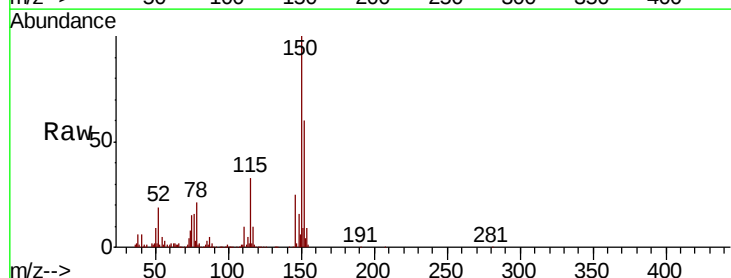
RT: 13.58 min Scan# 1983

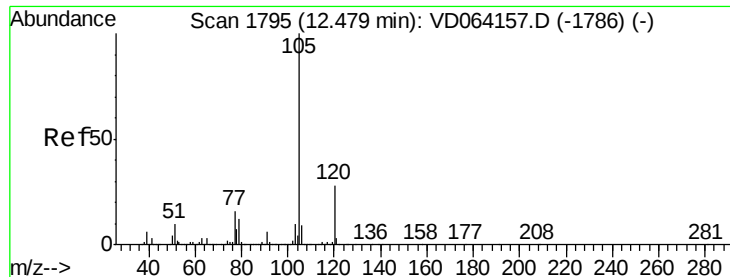
Delta R.T. 0.01 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.4	82.2
150	173.6	0.0	351.6





#73

Isopropylbenzene

Concen: 47.650 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1316260

Ion Ratio Lower Upper

105 100

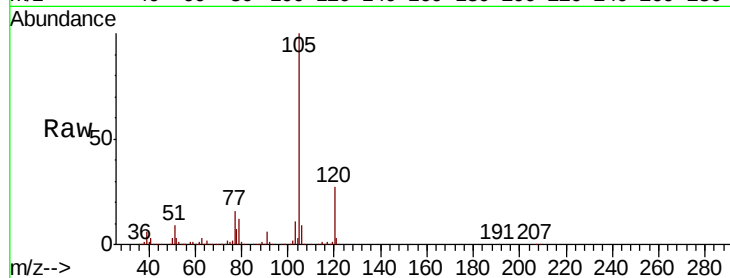
120 27.2 13.6 40.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

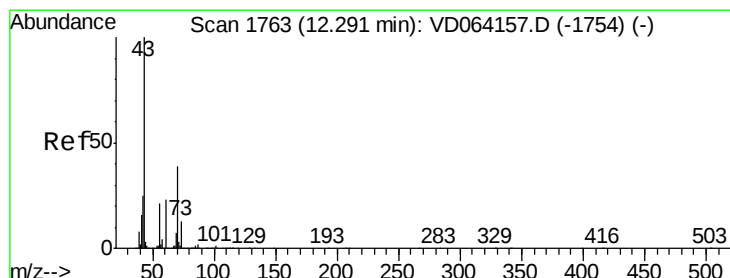
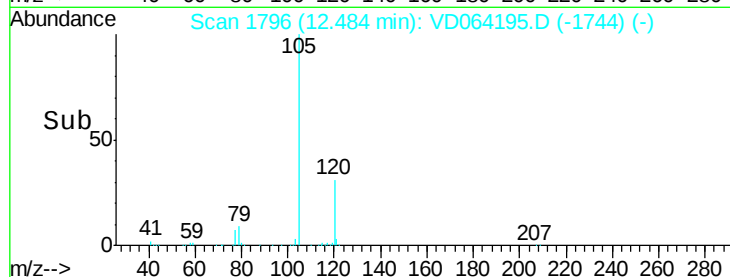
200000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 47.563 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Tgt Ion: 43 Resp: 310265

Ion Ratio Lower Upper

43 100

70 39.9 32.4 48.6

55 21.8 17.9 26.9

61 22.8 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

300000

250000

200000

150000

100000

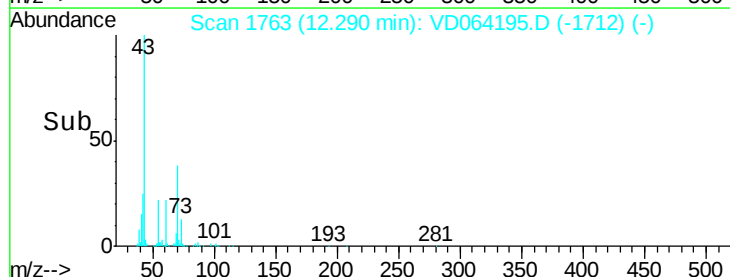
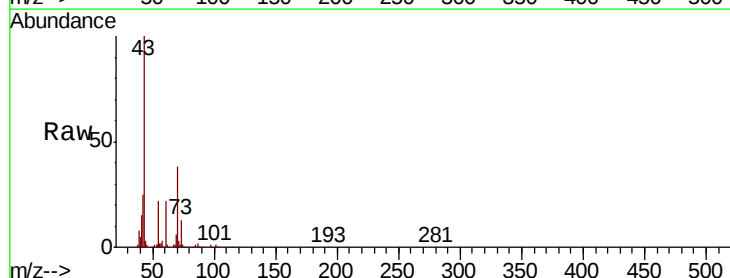
50000

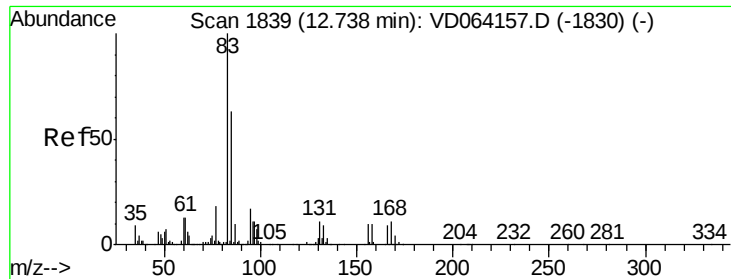
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.182 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

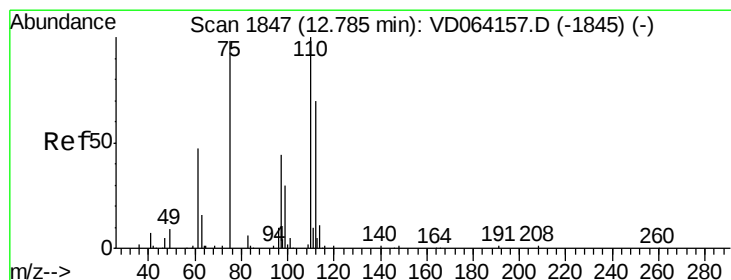
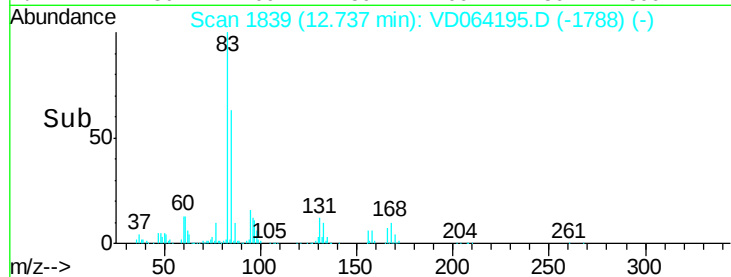
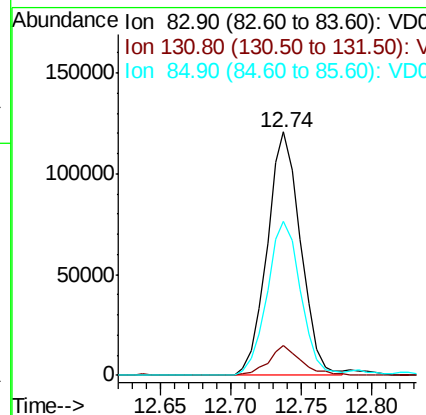
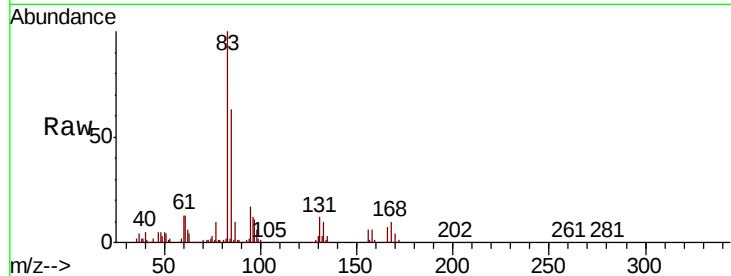
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	200553
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.9	17.7
85	63.7	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 42.760 ug/l m

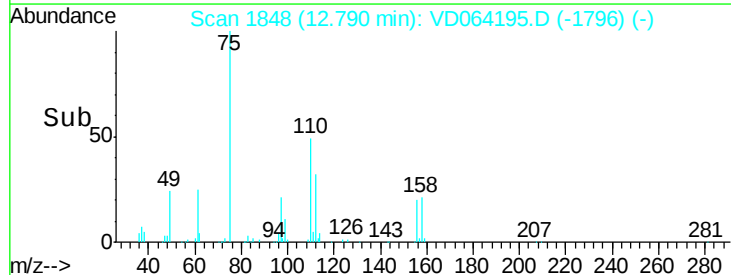
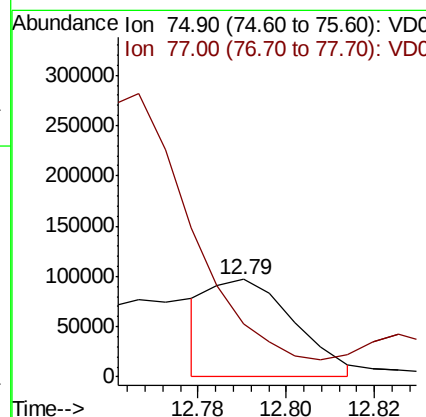
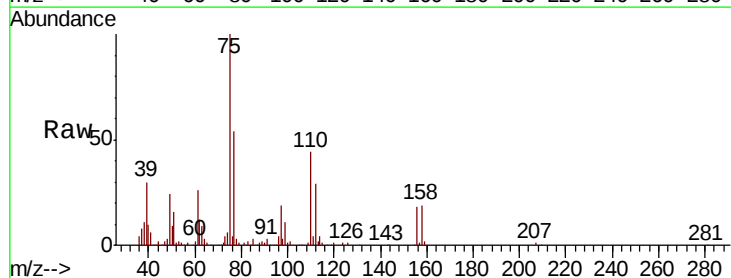
RT: 12.79 min Scan# 1848

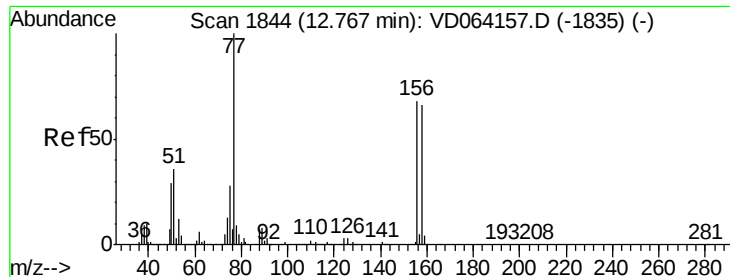
Delta R.T. 0.01 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Tgt Ion:	75	Resp:	129621
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.939 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

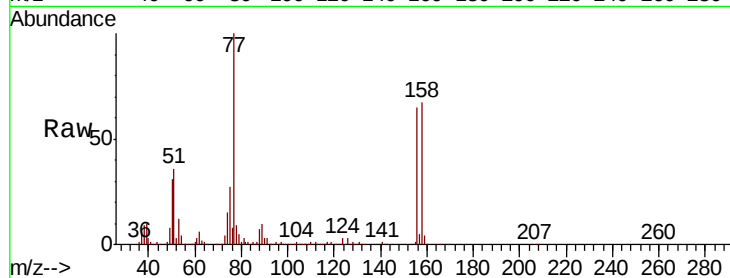
ClientSampleId :

VSTDCCC050

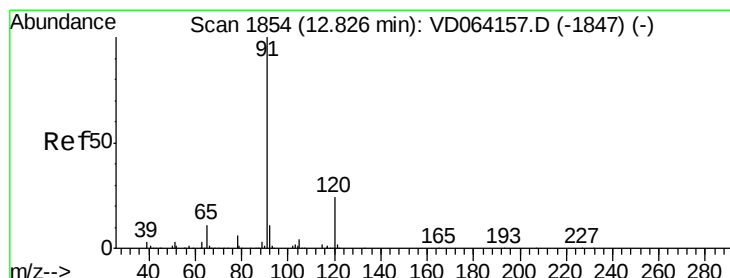
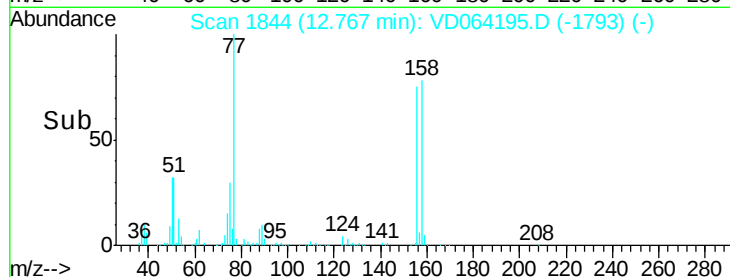
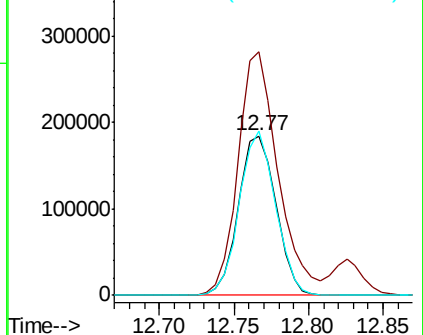
Tot Ion:	156	Resp:	321716
Ion Ratio	Lower	Upper	
156	100		
77	163.5	81.2	243.4
158	99.0	48.4	145.2

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.143 ug/l

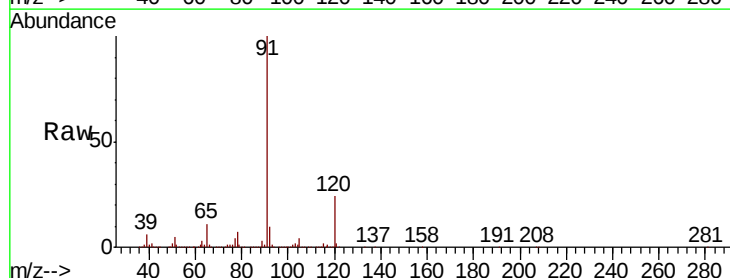
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

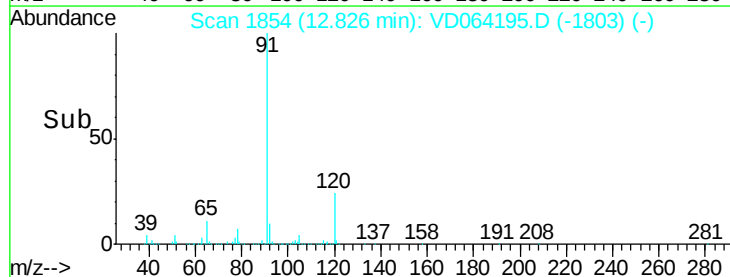
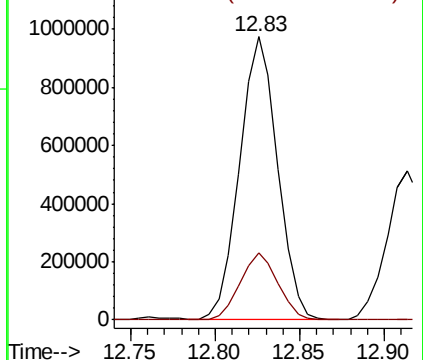
Lab File: VD064195.D

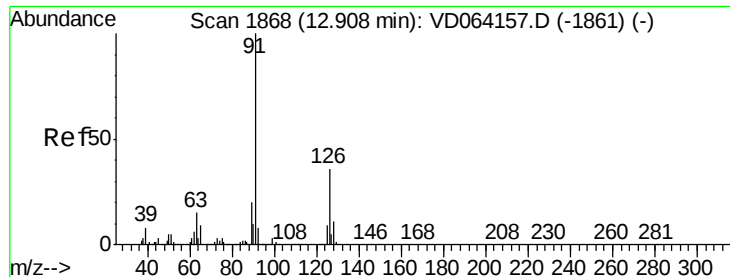
Acq: 12 Nov 2019 14:35

Tgt Ion:	91	Resp:	1519399
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





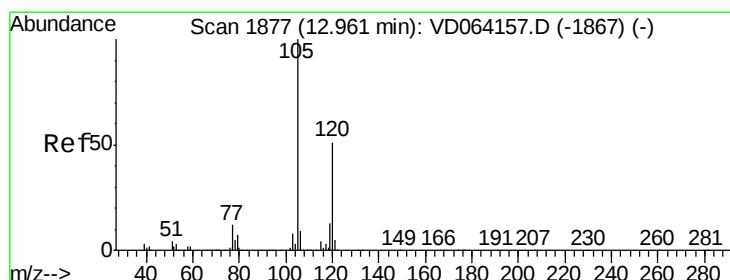
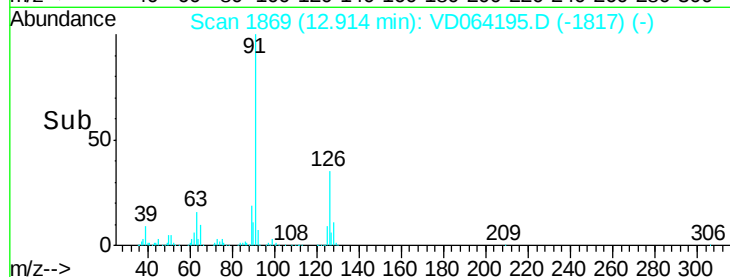
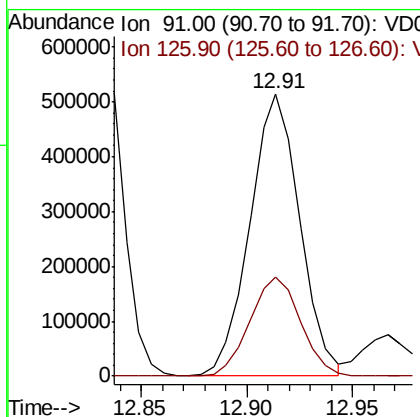
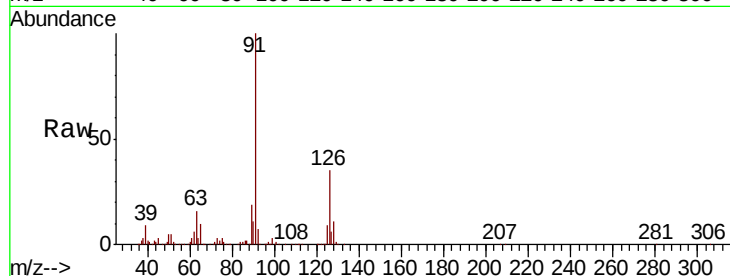
#79
2-Chlorotoluene
Concen: 47.358 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 843832
Ion Ratio Lower Upper
91 100
126 35.8 17.7 53.1

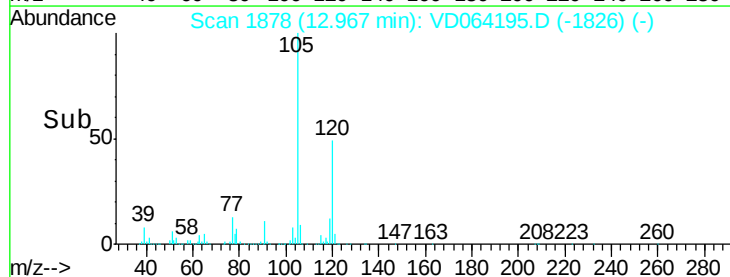
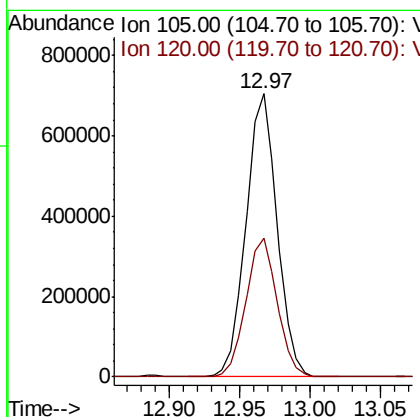
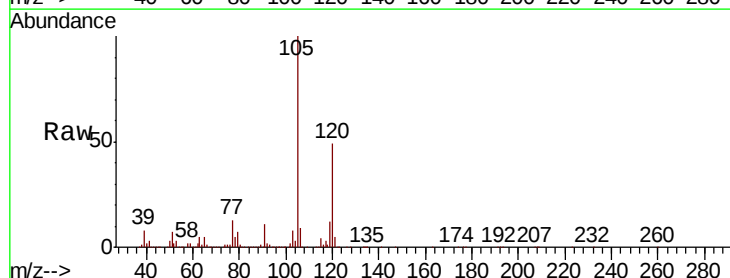
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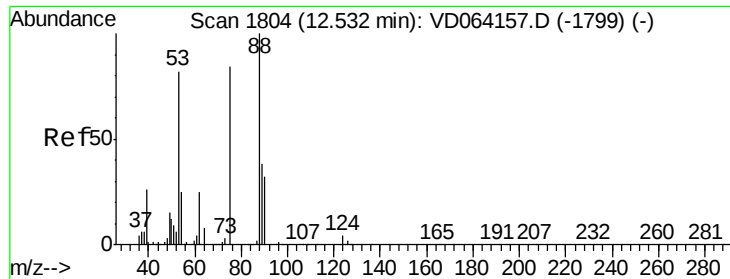
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#80
1,3,5-Trimethylbenzene
Concen: 48.104 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 105 Resp: 1091869
Ion Ratio Lower Upper
105 100
120 49.3 25.4 76.4





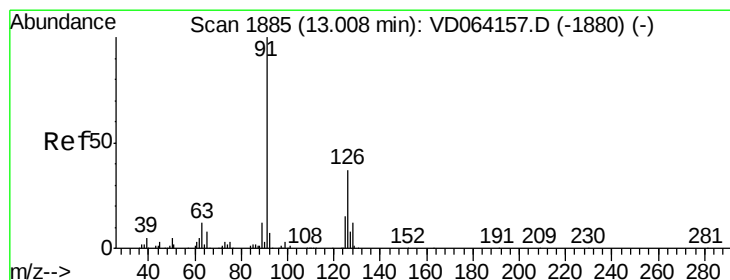
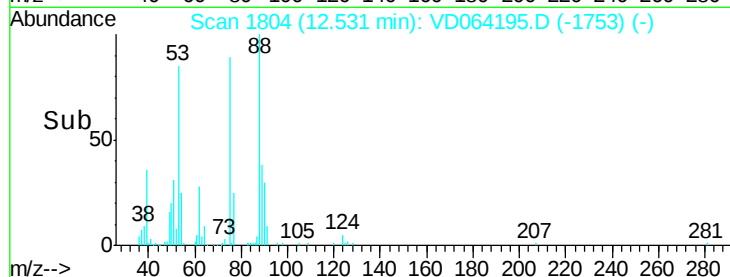
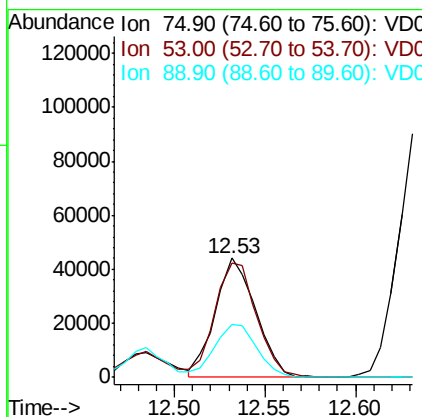
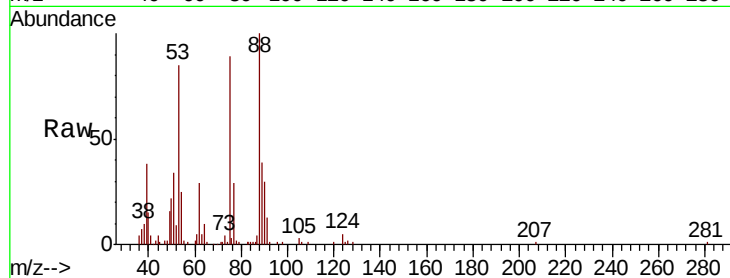
#81
trans-1,4-Dichloro-2-butene
Concen: 45.112 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.4	79.4	119.0
89	46.5	36.6	55.0

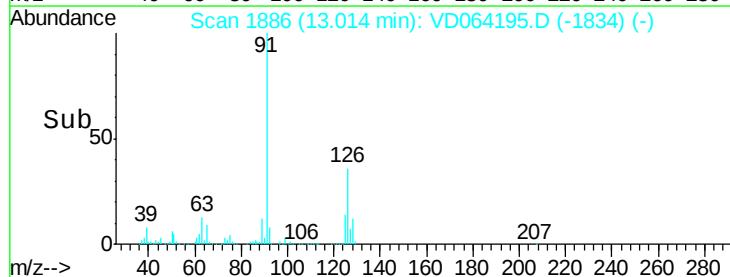
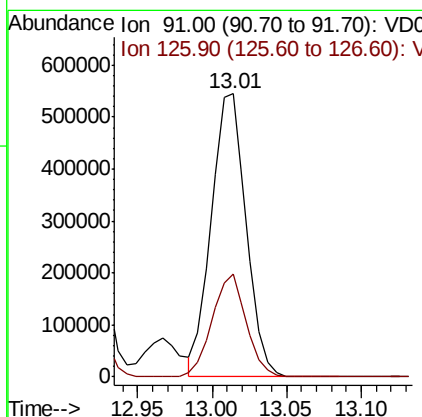
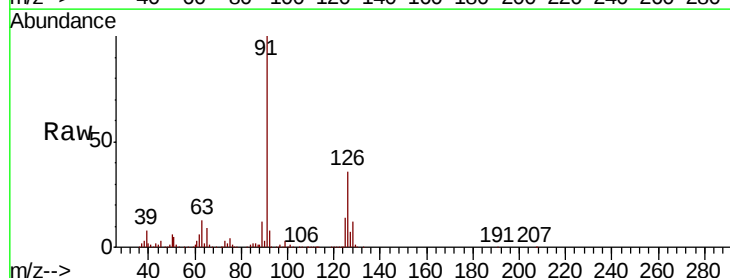
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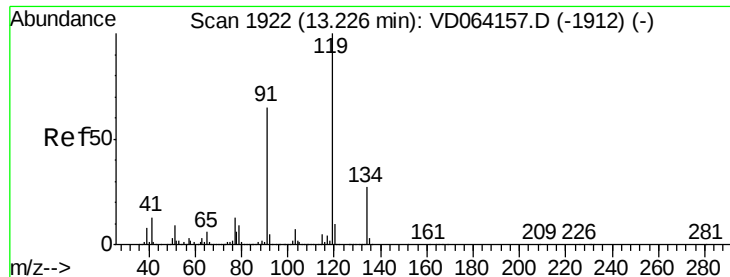
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#82
4-Chlorotoluene
Concen: 47.686 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.4





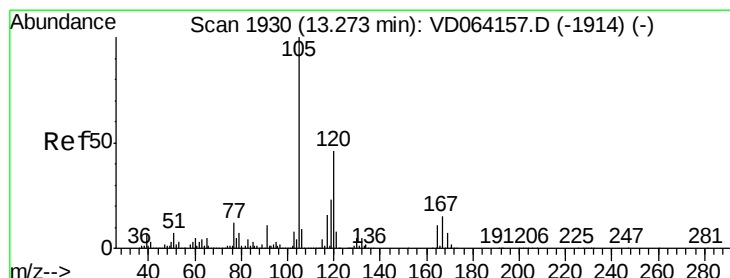
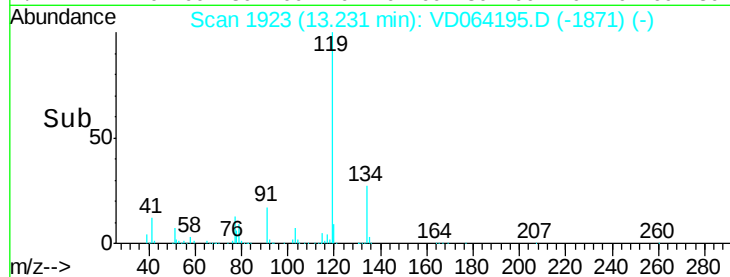
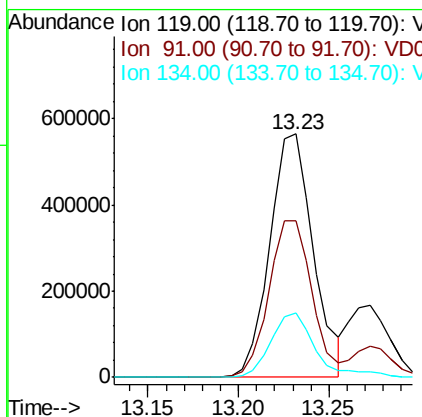
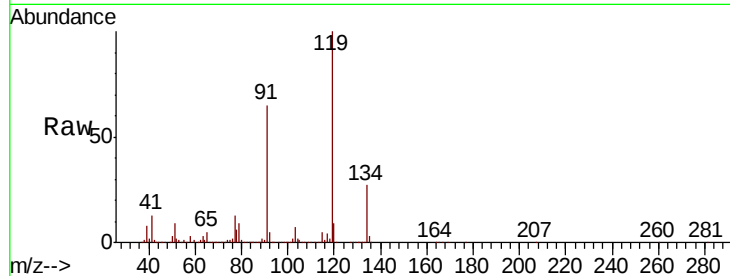
#83
tert-Butylbenzene
Concen: 47.327 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.8	95.4
134	27.5	13.7	41.0

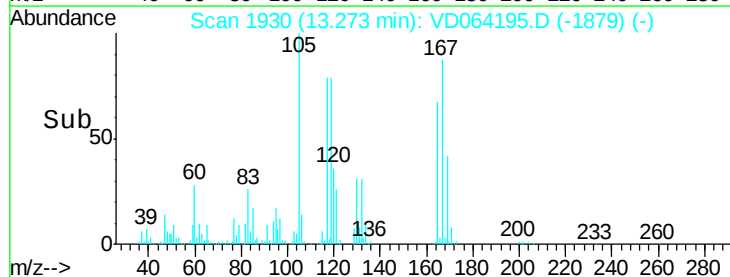
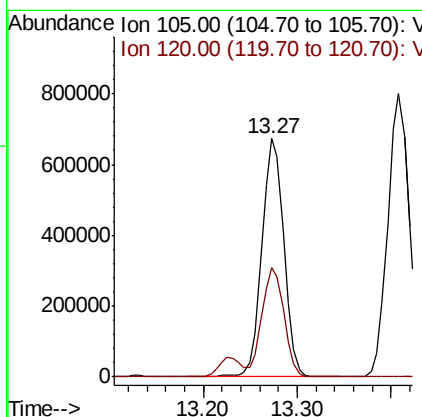
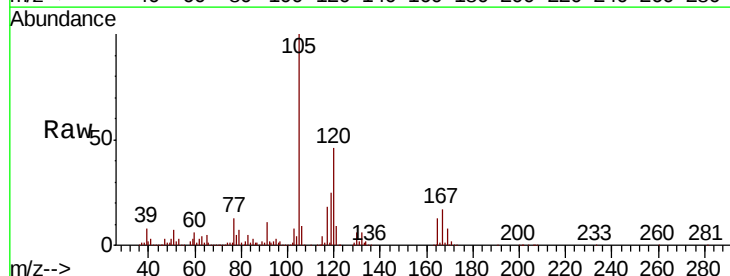
Manual Integrations
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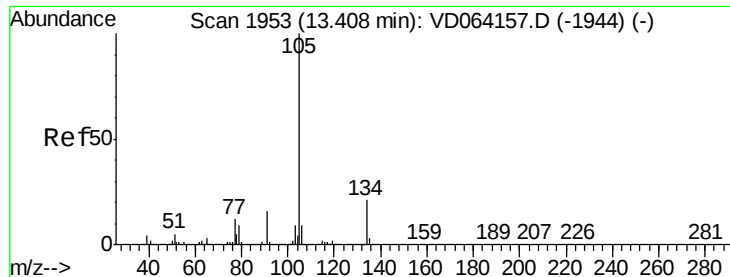
MMDadoda
11/13/2019 9:38:51 AM



#84
1,2,4-Trimethylbenzene
Concen: 48.453 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.3	69.8





#85

sec-Butylbenzene

Concen: 47.334 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1272412

Ion Ratio Lower Upper

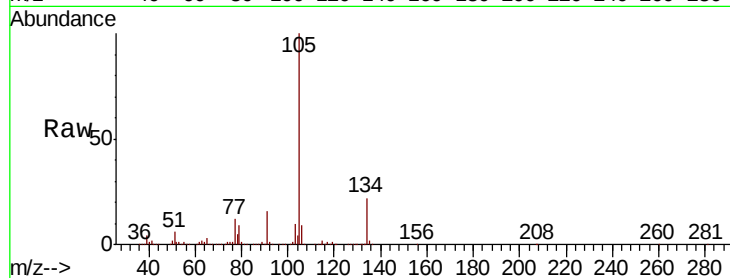
105 100

134 21.3 10.7 31.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

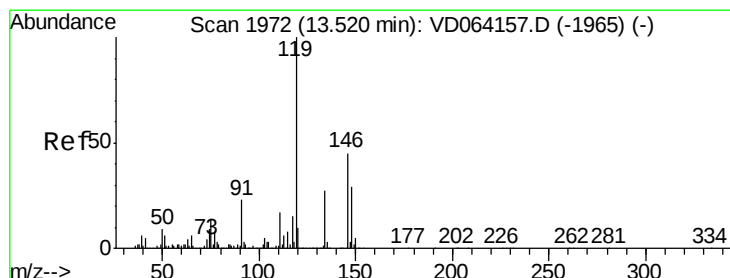
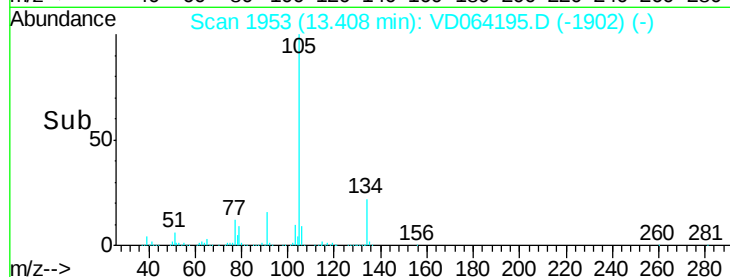
400000

200000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 47.733 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

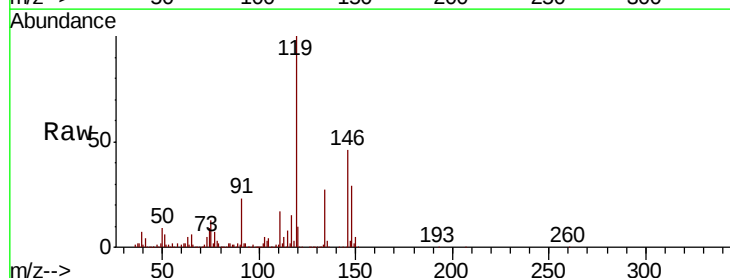
Tgt Ion:119 Resp: 1219880

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 23.2 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

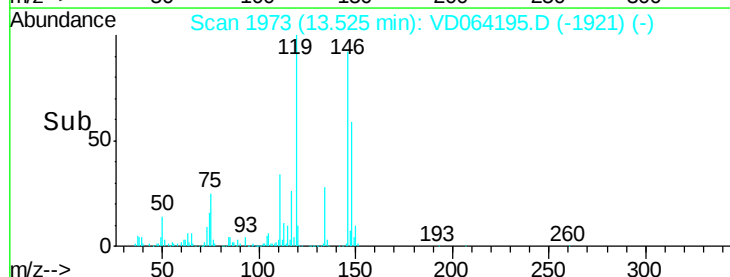
400000

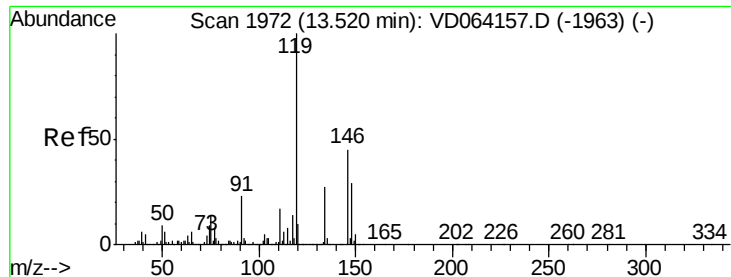
200000

0

13.45 13.50 13.55 13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.882 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_D

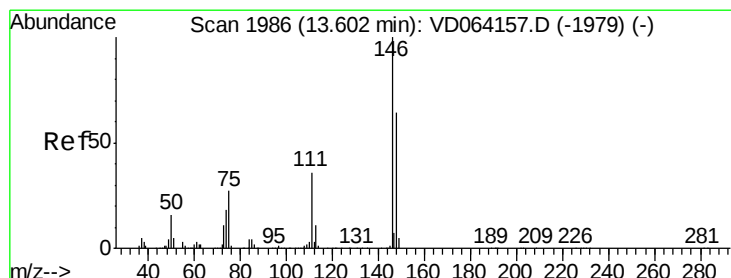
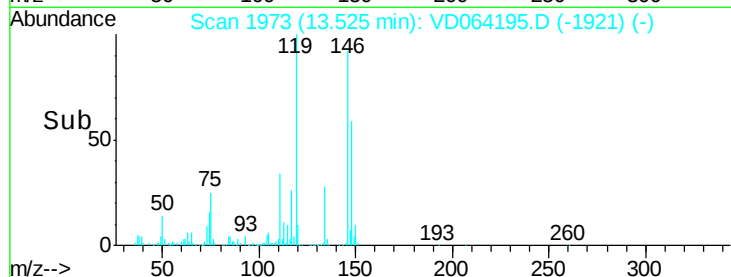
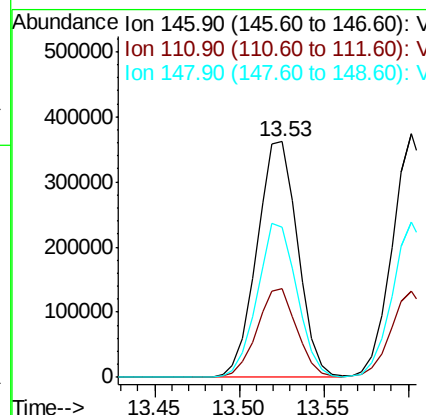
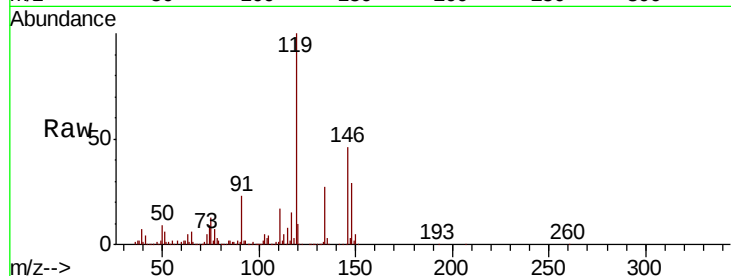
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	608942
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.9	56.9
148	63.7	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.412 ug/l

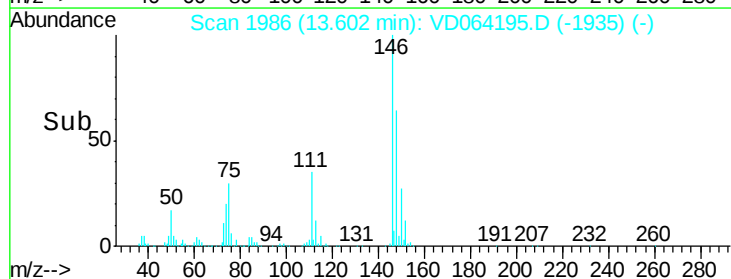
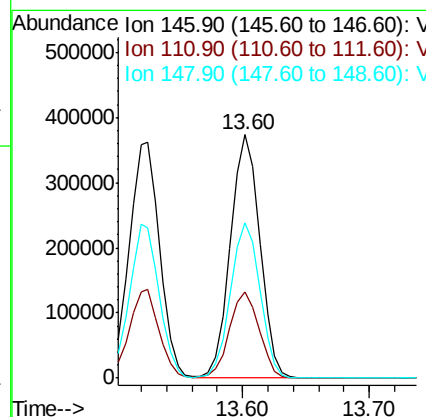
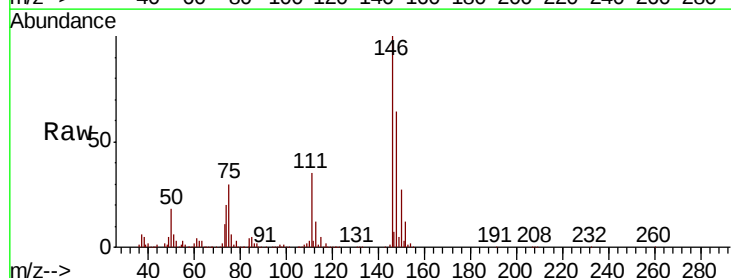
RT: 13.60 min Scan# 1986

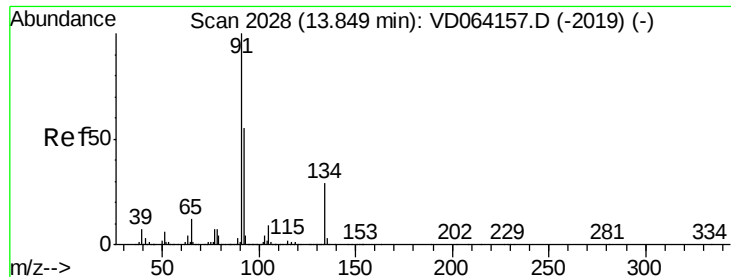
Delta R.T. -0.00 min

Lab File: VD064195.D

Acq: 12 Nov 2019 14:35

Tgt Ion:	146	Resp:	600761
Ion Ratio	Lower	Upper	
146	100		
111	35.8	18.1	54.4
148	63.7	31.9	95.7





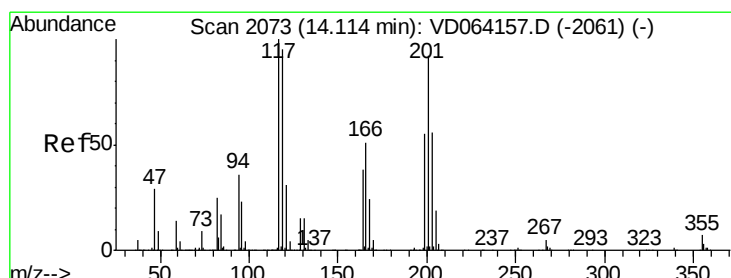
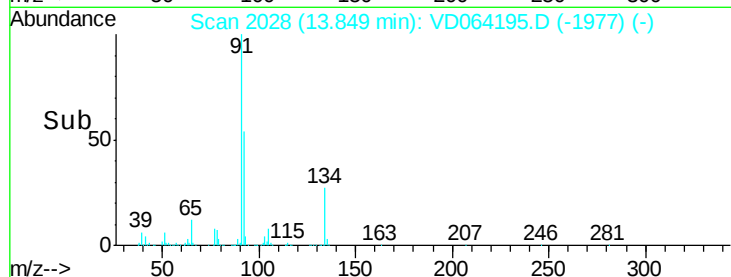
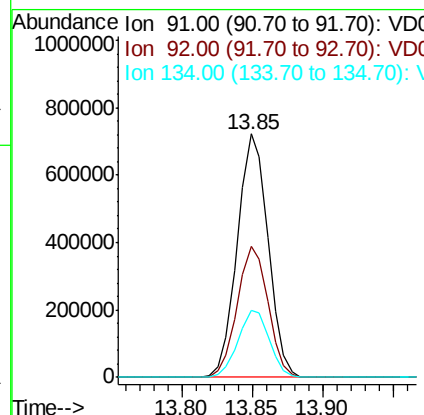
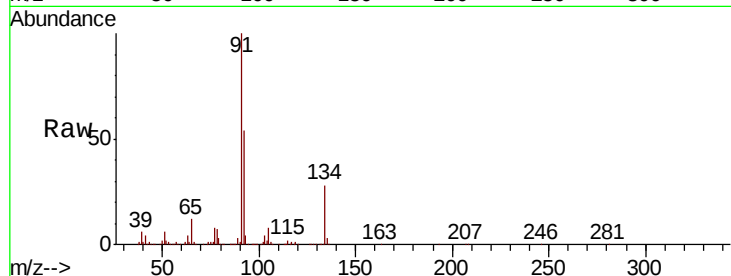
#89
n-Butylbenzene
Concen: 47.547 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.3	81.8
134	27.8	14.1	42.4

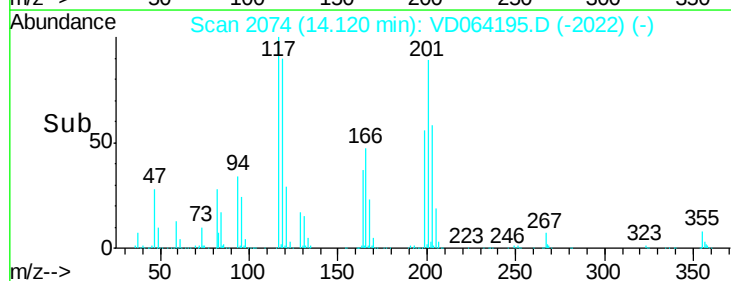
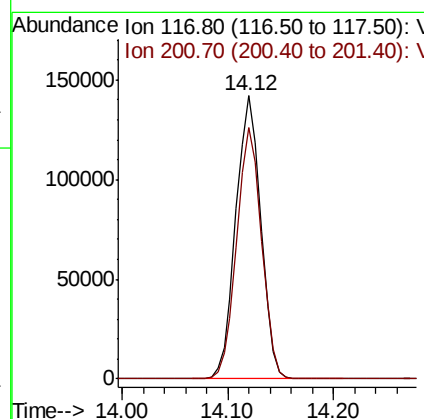
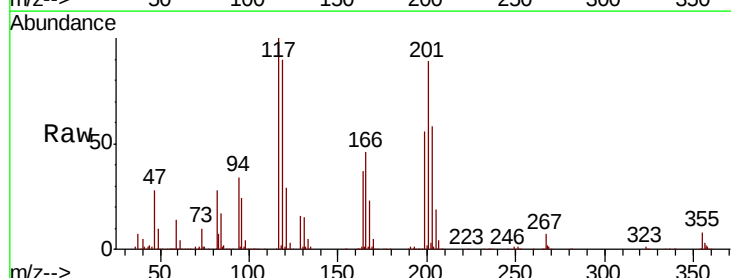
Manual Integrations
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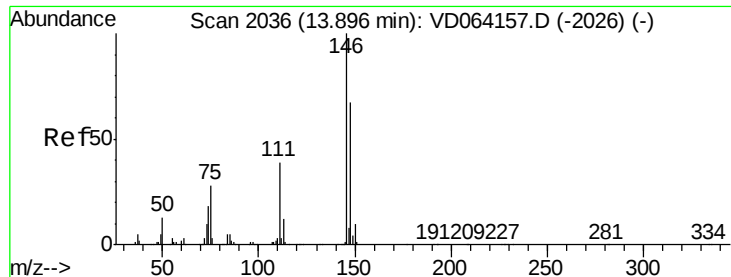
MMDadoda
11/13/2019 9:38:51 AM



#90
Hexachloroethane
Concen: 48.990 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	45.8	137.4





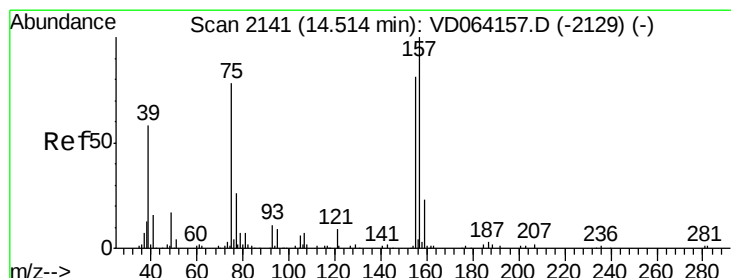
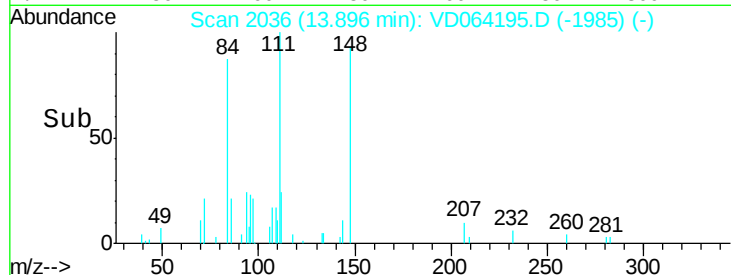
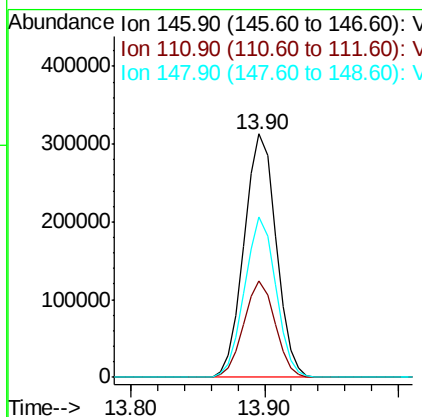
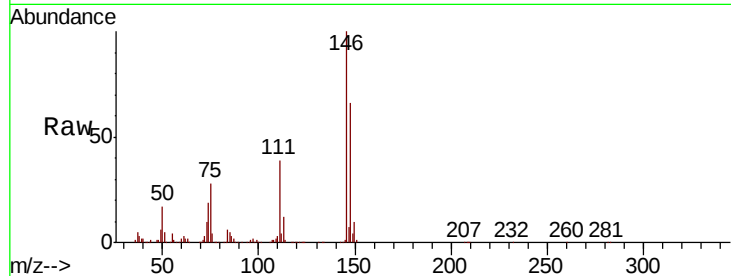
#91
 1,2-Dichlorobenzene
 Concen: 49.236 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	64.1	32.3	96.8

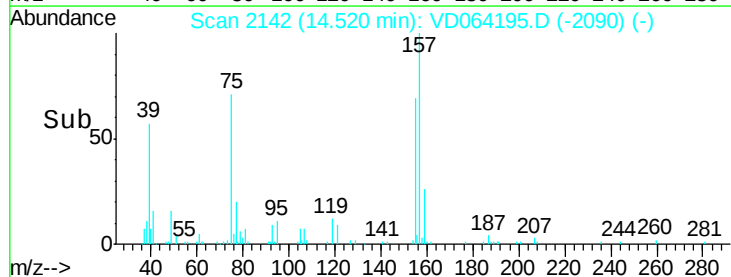
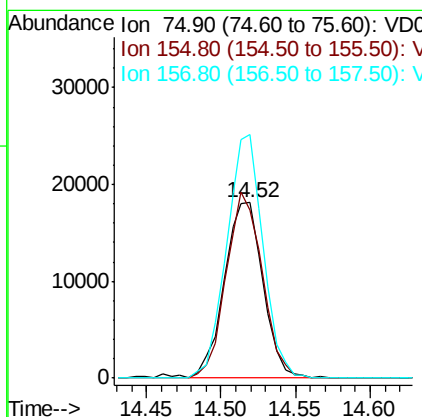
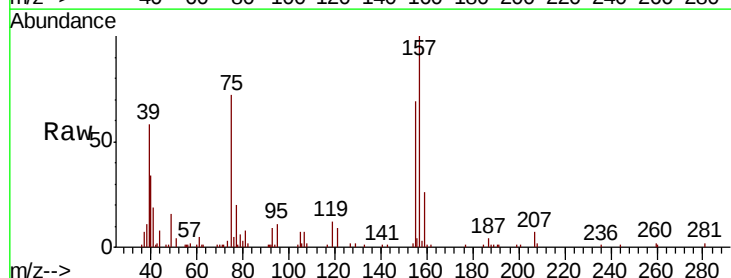
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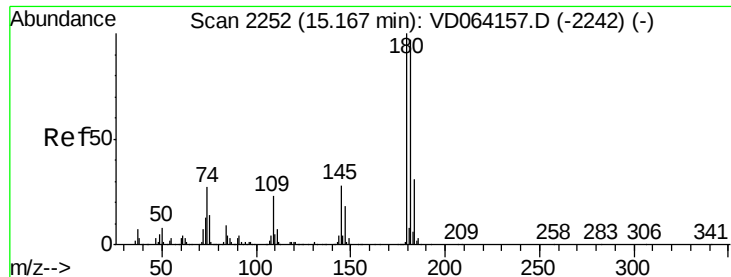
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.157 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	48.0	144.0
157	130.4	61.5	184.4





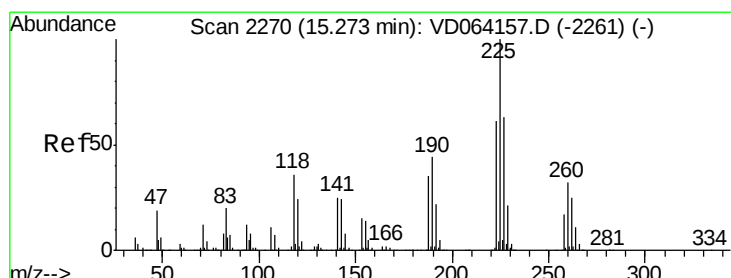
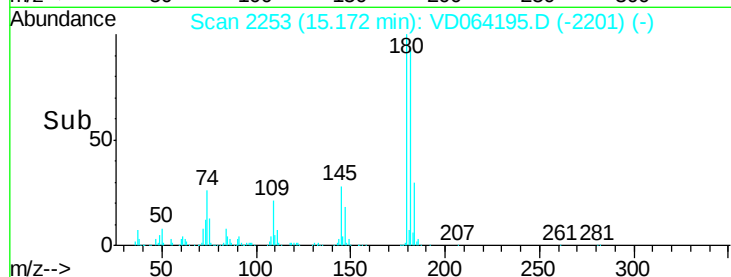
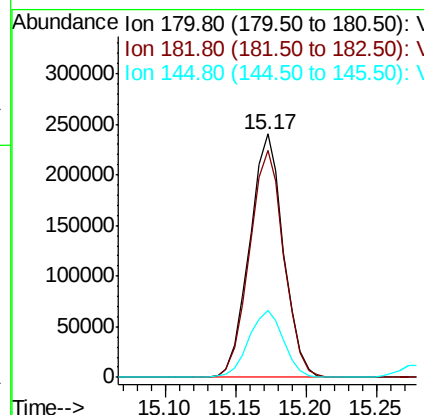
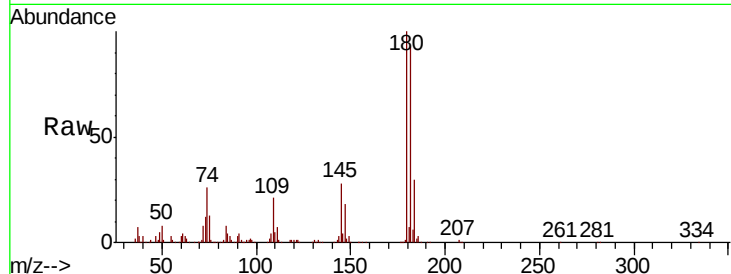
#93
 1,2,4-Trichlorobenzene
 Concen: 49.680 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.6	47.5	142.5	
145	28.3	14.2	42.6	

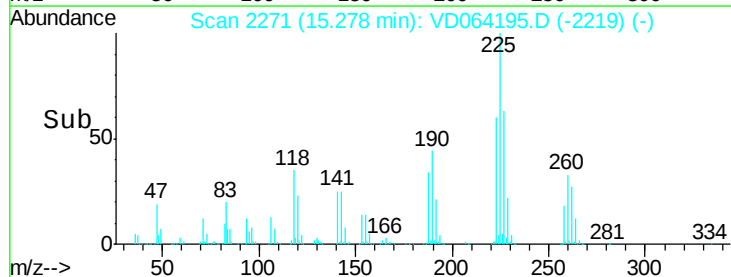
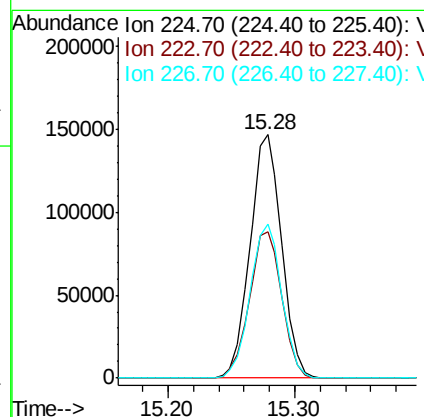
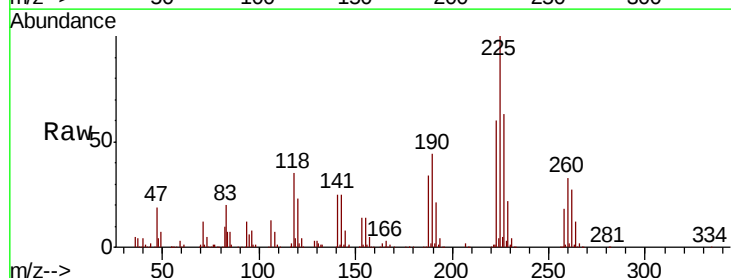
Manual Integrations
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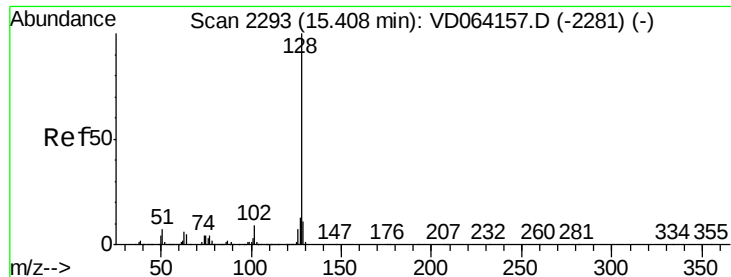
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#94
 Hexachlorobutadiene
 Concen: 48.194 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064195.D
 Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	31.1	93.3	
227	63.4	31.5	94.5	





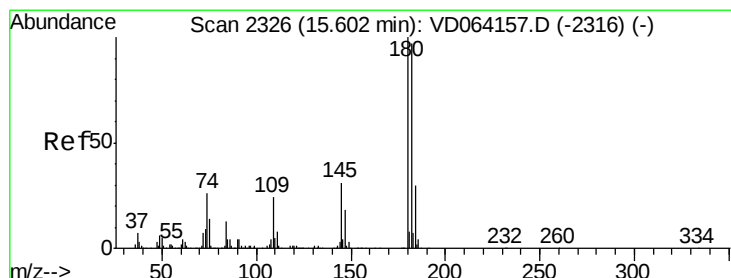
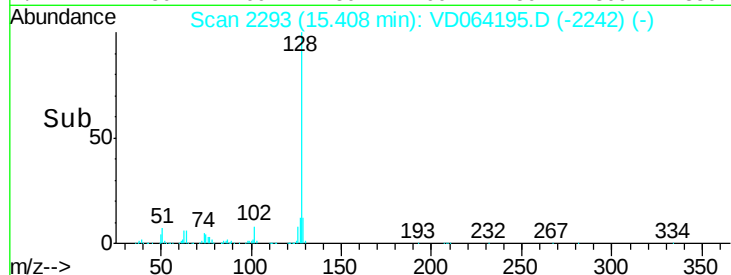
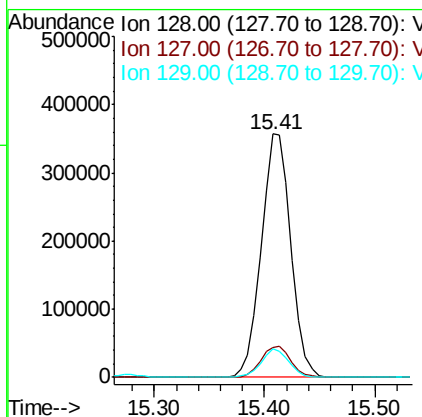
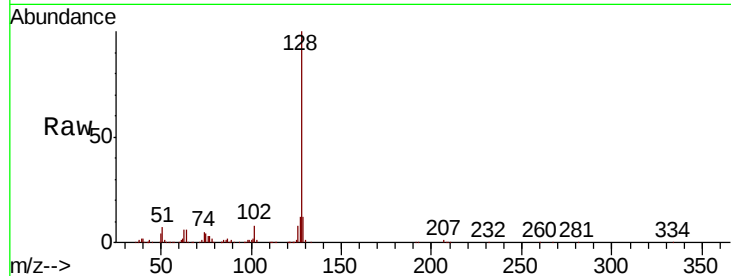
#95
Naphthalene
Concen: 49.987 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.1	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.385 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064195.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.3	144.9
145	30.1	15.3	45.8

