

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064339.D
 Acq On : 22 Nov 2019 11:00
 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
 11/26/2019 1:34:39 AM

Quant Time: Nov 23 00:55:47 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	601332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	841886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	719562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	354124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	209766	42.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.82%	
35) Dibromofluoromethane	7.91	113	221390	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
50) Toluene-d8	10.34	98	839070	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
62) 4-Bromofluorobenzene	12.64	95	267998	42.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	222378	44.589	ug/l	99
3) Chloromethane	2.21	50	254760	47.623	ug/l	100
4) Vinyl Chloride	2.35	62	333908	58.370	ug/l	99
5) Bromomethane	2.77	94	225763	62.499	ug/l	98
6) Chloroethane	2.92	64	224107	61.309	ug/l	96
7) Trichlorofluoromethane	3.27	101	587431	63.337	ug/l	100
8) Diethyl Ether	3.70	74	115873	45.437	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	267371	50.437	ug/l	99
10) Methyl Iodide	4.29	142	299185	49.464	ug/l	99
11) Tert butyl alcohol	5.25	59	76807	222.353	ug/l	94
12) 1,1-Dichloroethene	4.06	96	250977	49.670	ug/l	95
13) Acrolein	3.92	56	73617	251.920	ug/l	98
14) Allyl chloride	4.71	41	400262	44.803	ug/l	95
15) Acrylonitrile	5.43	53	248930	228.969	ug/l	99
16) Acetone	4.16	43	305334	260.609	ug/l	100
17) Carbon Disulfide	4.40	76	715303	45.457	ug/l	98
18) Methyl Acetate	4.72	43	141995	43.392	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	548732	45.491	ug/l	94
20) Methylene Chloride	4.97	84	259942	43.922	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	274695	47.984	ug/l	96
22) Diisopropyl ether	6.37	45	750504	45.276	ug/l	99
23) Vinyl Acetate	6.31	43	2146706	232.328	ug/l	99
24) 1,1-Dichloroethane	6.26	63	466258	48.444	ug/l	99
25) 2-Butanone	7.22	43	346509	228.921	ug/l	98
26) 2,2-Dichloropropane	7.21	77	446755	47.332	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	302609	49.292	ug/l	95
28) Bromochloromethane	7.55	49	160368	47.859	ug/l	97
29) Tetrahydrofuran	7.57	42	202850	223.049	ug/l	98
30) Chloroform	7.71	83	477097	48.461	ug/l	98
31) Cyclohexane	7.98	56	440704	45.402	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	463782	49.198	ug/l	100
36) 1,1-Dichloropropene	8.11	75	393189	50.604	ug/l	99
37) Ethyl Acetate	7.30	43	146142	44.615	ug/l	97
38) Carbon Tetrachloride	8.09	117	426929	51.351	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	486300	49.463	ug/l	94
40) Benzene	8.35	78	1049737	49.434	ug/l	98
41) Methacrylonitrile	7.53	41	75653	36.746	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	296688	46.519	ug/l	98
43) Isopropyl Acetate	8.46	43	293322	43.461	ug/l	97
44) Trichloroethene	9.11	130	319816	50.180	ug/l	99
45) 1,2-Dichloropropane	9.39	63	247871	47.957	ug/l	96
46) Dibromomethane	9.48	93	134055	48.447	ug/l	98
47) Bromodichloromethane	9.67	83	357009	47.899	ug/l	98
48) Methyl methacrylate	9.46	41	145308	44.031	ug/l	99
49) 1,4-Dioxane	9.47	88	30508	918.028	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	723065	223.411	ug/l	100
52) Toluene	10.41	92	687449	49.232	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	345674	46.293	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	408726	46.907	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	185653	49.459	ug/l	98
56) Ethyl methacrylate	10.67	69	238412	45.404	ug/l	96
57) 1,3-Dichloropropane	10.95	76	312074	47.671	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	488536	229.681	ug/l	99
59) 2-Hexanone	10.99	43	528387	229.477	ug/l	98
60) Dibromochloromethane	11.14	129	254141	48.521	ug/l	100
61) 1,2-Dibromoethane	11.25	107	181159	48.184	ug/l	100
64) Tetrachloroethene	10.88	164	279124	50.437	ug/l	98
65) Chlorobenzene	11.67	112	724648	49.524	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	276343	49.668	ug/l	100
67) Ethyl Benzene	11.75	91	1328423	50.191	ug/l	100
68) m/p-Xylenes	11.86	106	1025483	101.083	ug/l	99
69) o-Xylene	12.18	106	463467	49.258	ug/l	100
70) Styrene	12.20	104	807290	49.154	ug/l	99
71) Bromoform	12.37	173	152239	48.080	ug/l #	99
73) Isopropylbenzene	12.48	105	1313820	50.546	ug/l	99
74) N-amyl acetate	12.30	43	264994	43.172	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	186048	47.502	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	158859m	55.694	ug/l	
77) Bromobenzene	12.77	156	305470	48.374	ug/l	97
78) n-propylbenzene	12.83	91	1499487	50.493	ug/l	100
79) 2-Chlorotoluene	12.91	91	810418	48.336	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1053376	49.320	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	61292	42.684	ug/l	98
82) 4-Chlorotoluene	13.01	91	843656	48.243	ug/l	99
83) tert-Butylbenzene	13.23	119	927648	49.256	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1044885	49.553	ug/l	100
85) sec-Butylbenzene	13.41	105	1278370	50.539	ug/l	100
86) p-Isopropyltoluene	13.53	119	1215927	50.563	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	582727	49.712	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	574793	50.242	ug/l	99
89) n-Butylbenzene	13.86	91	1107505	50.977	ug/l	99
90) Hexachloroethane	14.12	117	220276	49.565	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	494080	49.799	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29814	42.575	ug/l	94

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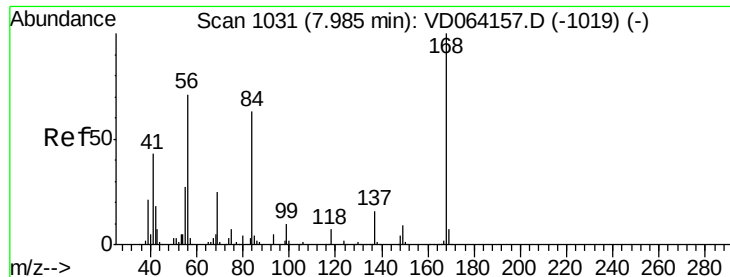
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	376433	49.184	ug/l	99
94) Hexachlorobutadiene	15.28	225	252087	50.994	ug/l	99
95) Naphthalene	15.41	128	597011	47.585	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	316514	48.651	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 601332

Ion Ratio Lower Upper

168 100

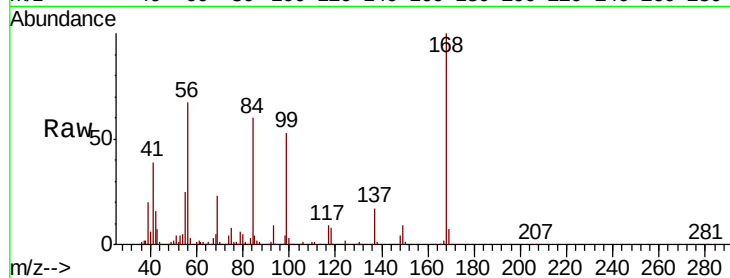
99 52.9 41.6 62.4

Manual Integrations

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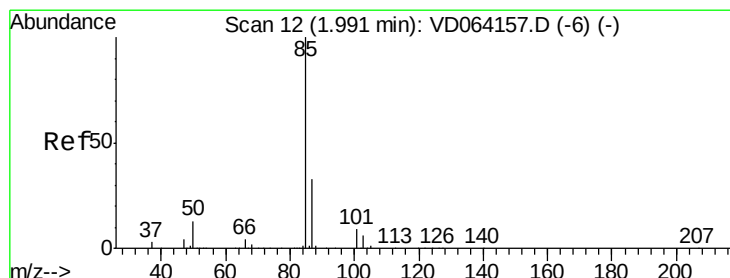
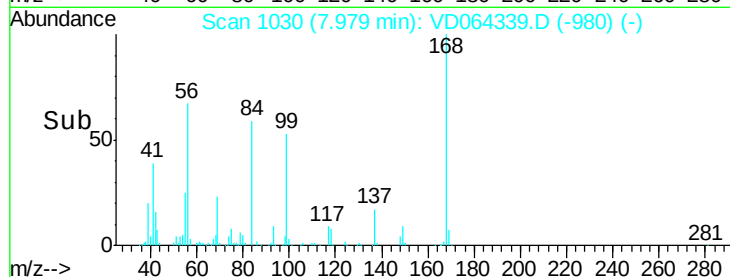
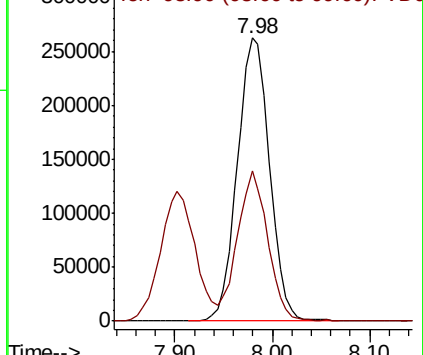
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.589 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064339.D

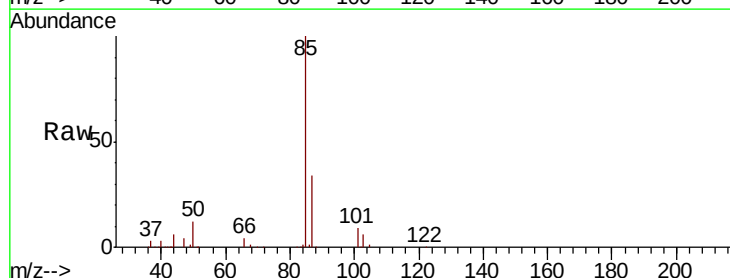
Acq: 22 Nov 2019 11:00

Tgt Ion: 85 Resp: 222378

Ion Ratio Lower Upper

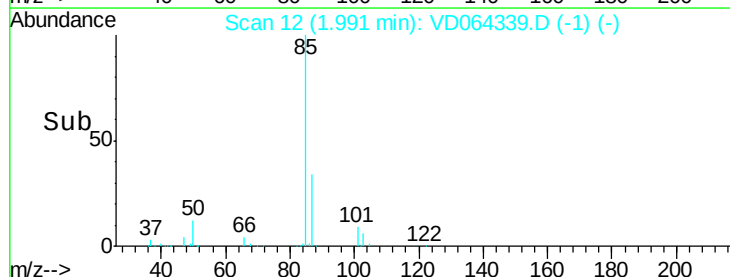
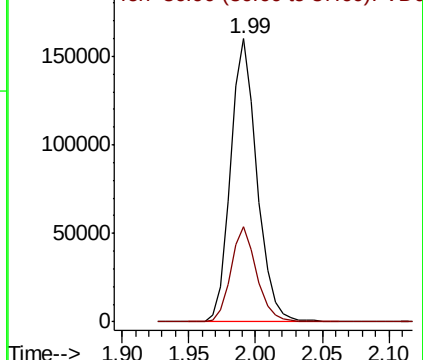
85 100

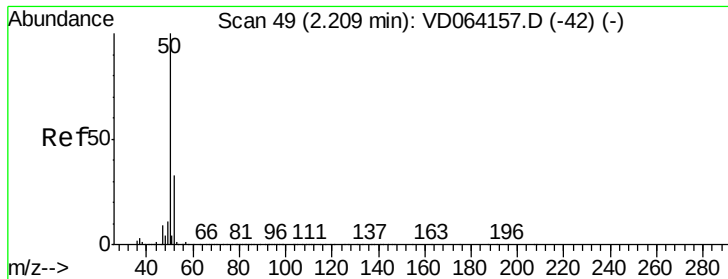
87 33.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.623 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 254760

Ion Ratio Lower Upper

50 100

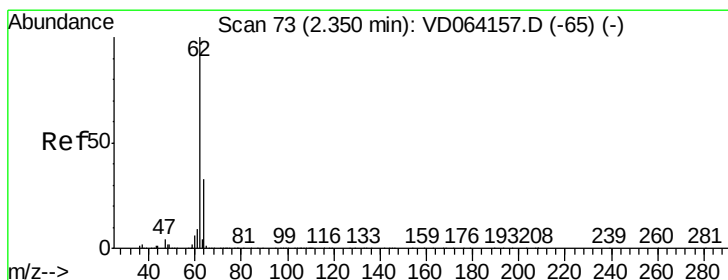
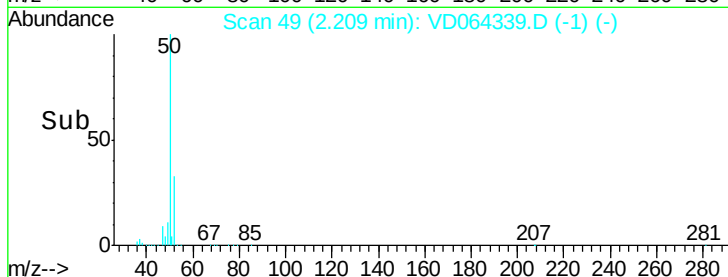
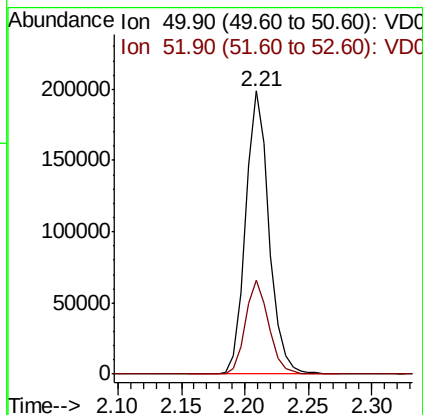
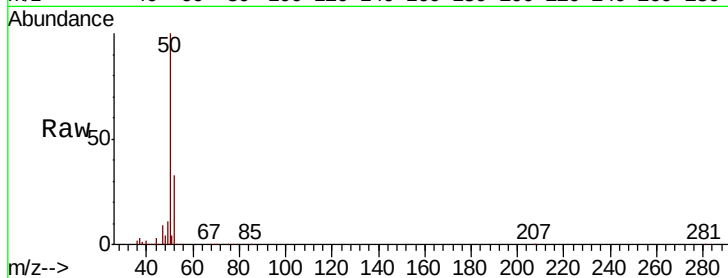
52 33.0 26.2 39.4

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#4

Vinyl Chloride

Concen: 58.370 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064339.D

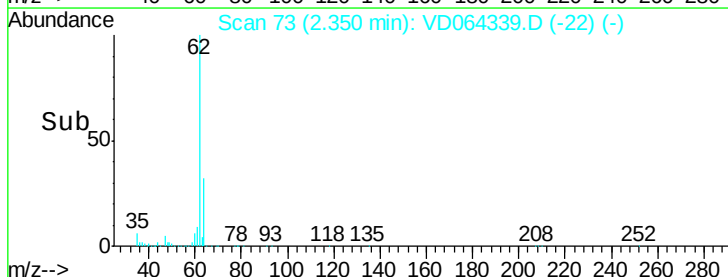
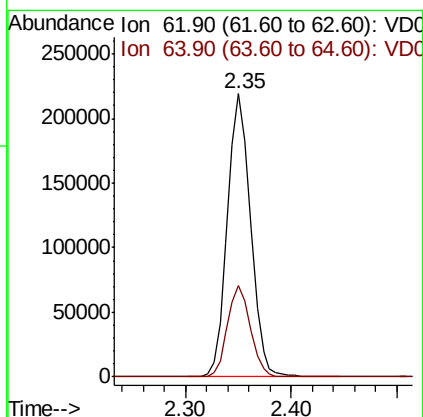
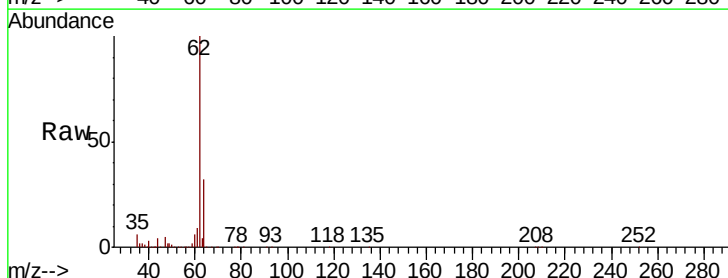
Acq: 22 Nov 2019 11:00

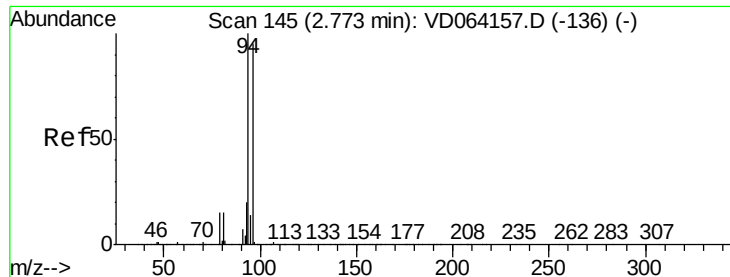
Tgt Ion: 62 Resp: 333908

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.2





#5

Bromomethane

Concen: 62.499 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 225763

Ion Ratio Lower Upper

94 100

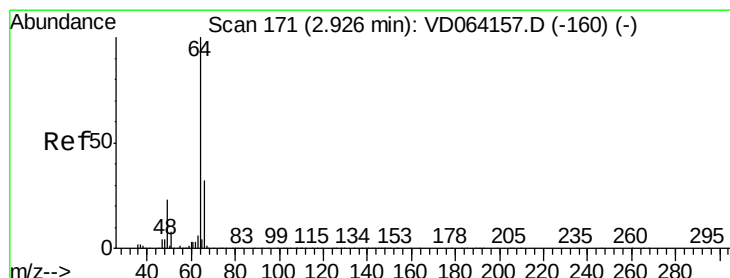
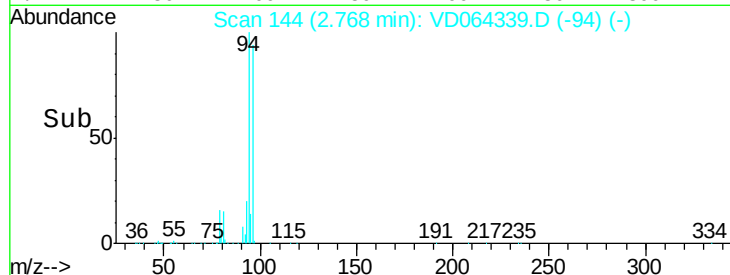
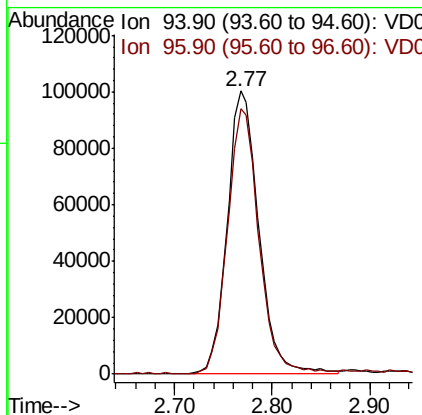
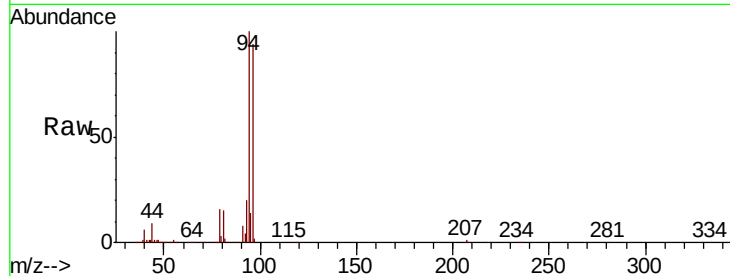
96 93.5 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 61.309 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064339.D

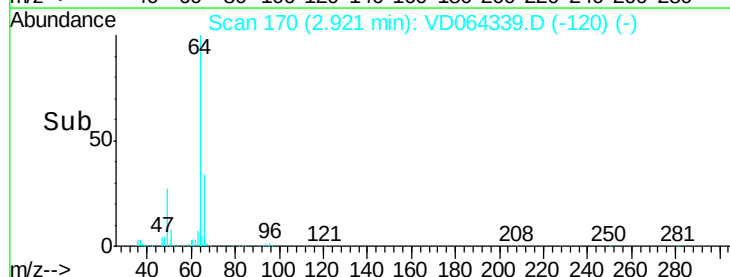
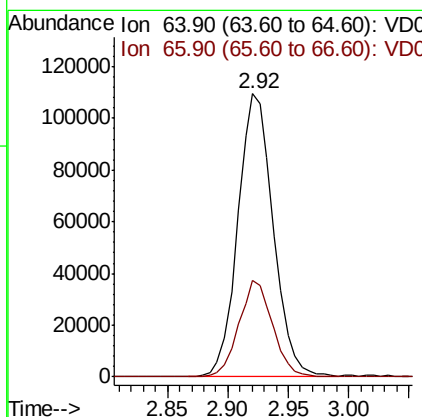
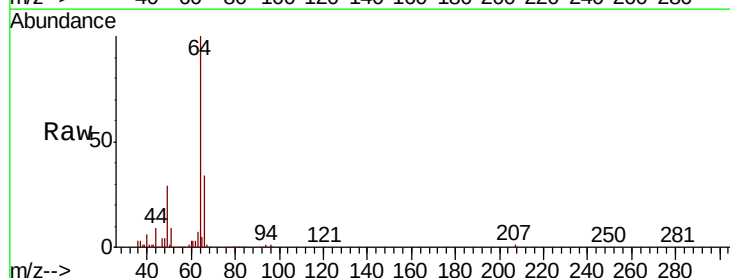
Acq: 22 Nov 2019 11:00

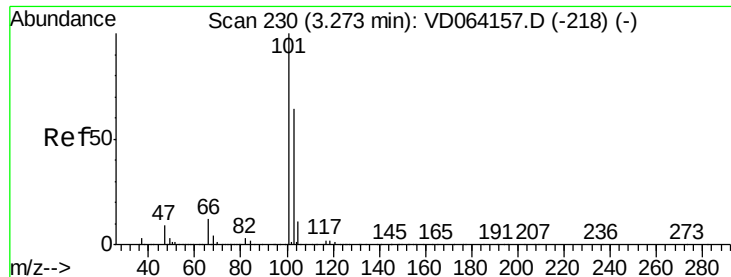
Tgt Ion: 64 Resp: 224107

Ion Ratio Lower Upper

64 100

66 34.1 25.5 38.3





#7

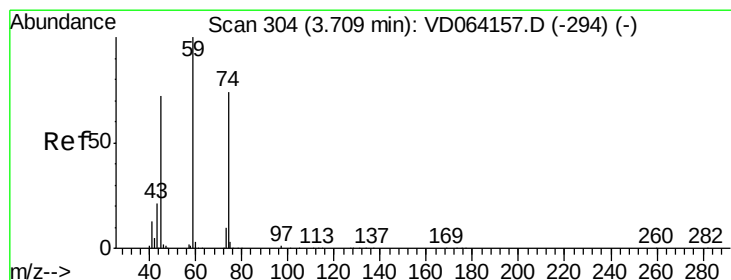
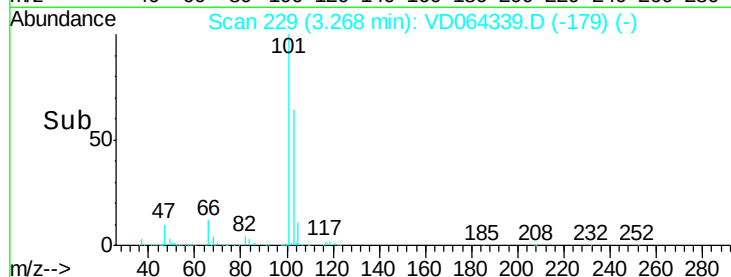
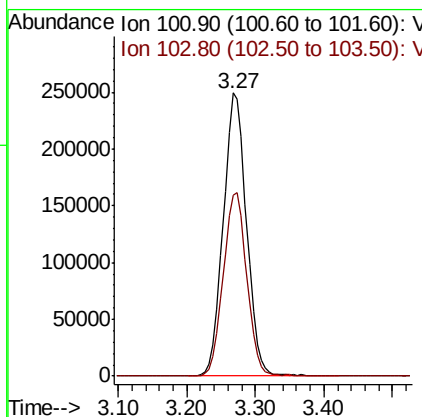
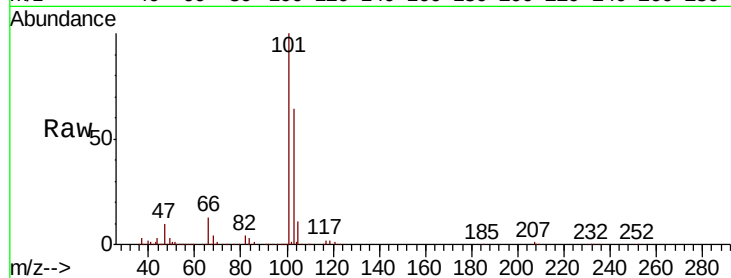
Trichlorofluoromethane
Concen: 63.337 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064339.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.8	76.2

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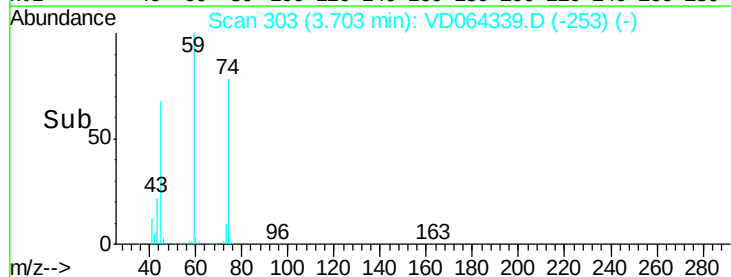
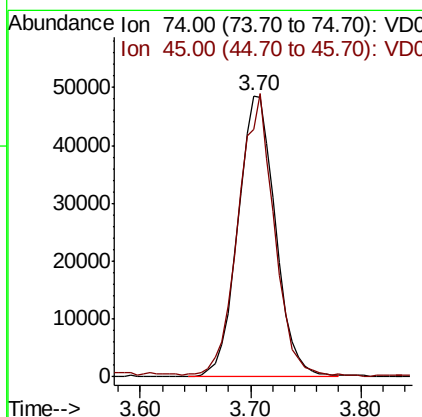
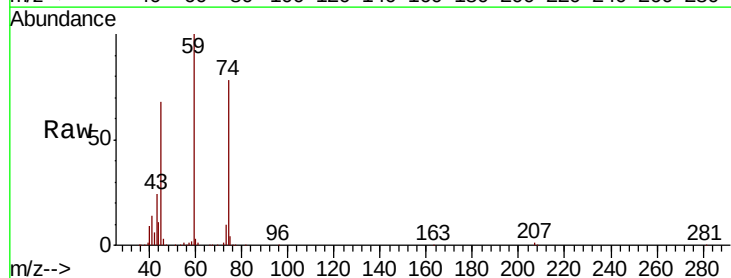
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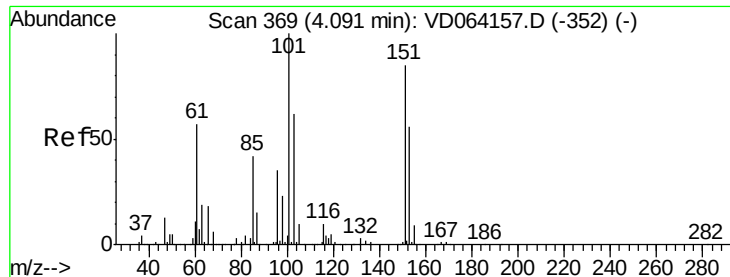


#8

Diethyl Ether
Concen: 45.437 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.437 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

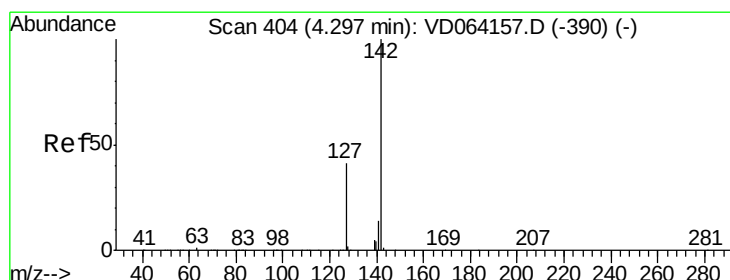
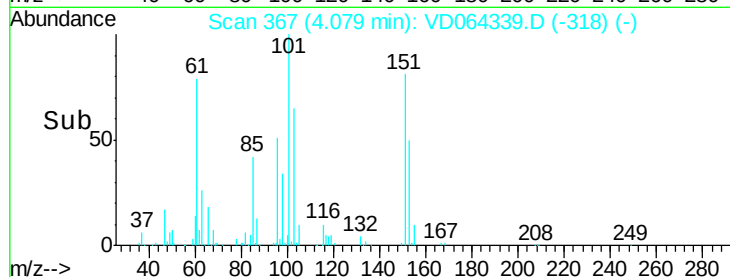
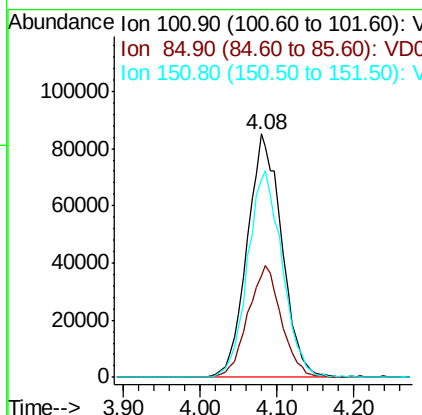
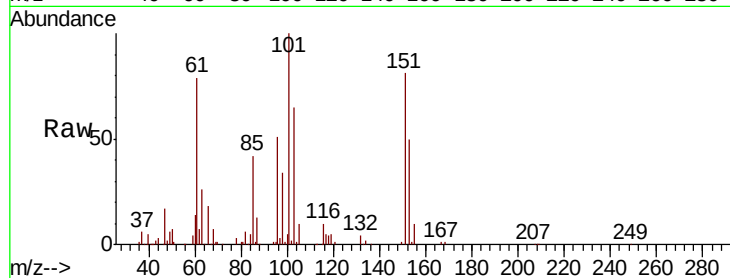
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	267371
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.4	51.6
151	84.8	68.1	102.1

Manual Integrations
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11/26/2019 1:34:39 AM



#10

Methyl Iodide

Concen: 49.464 ug/l

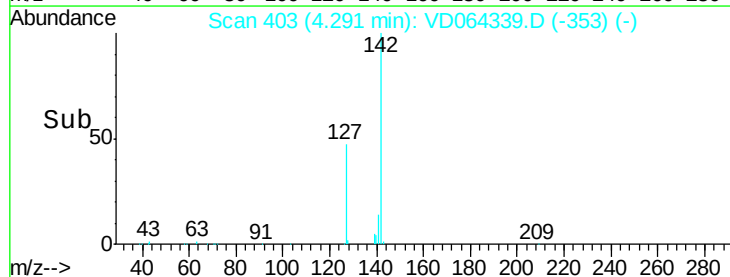
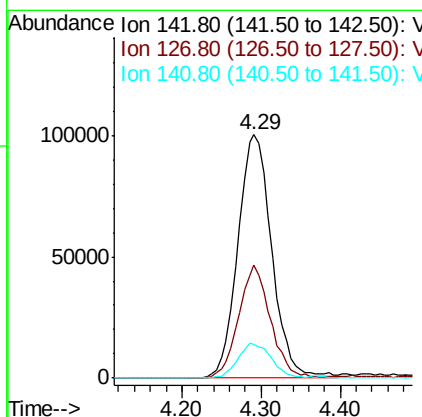
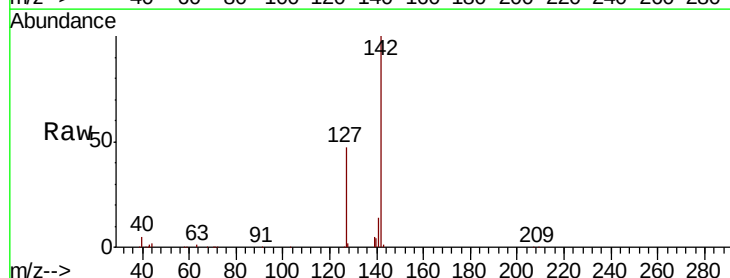
RT: 4.29 min Scan# 403

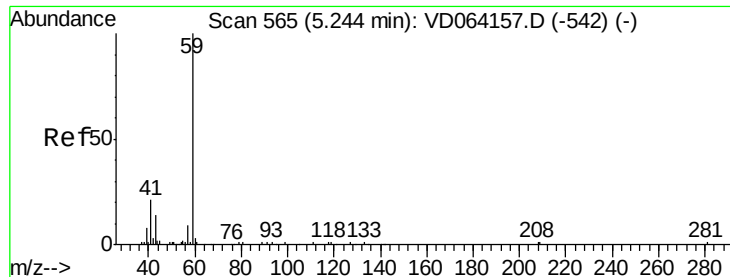
Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Tgt Ion:	142	Resp:	299185
Ion Ratio	Lower	Upper	
142	100		
127	43.6	34.4	51.6
141	14.1	11.2	16.8





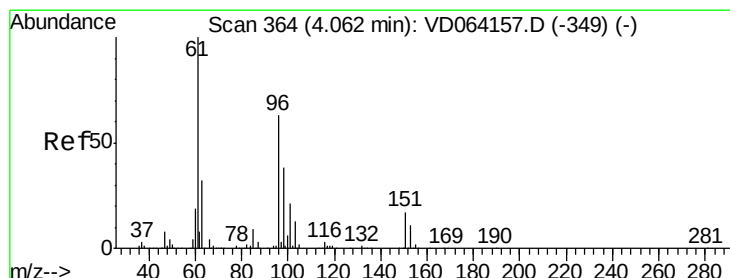
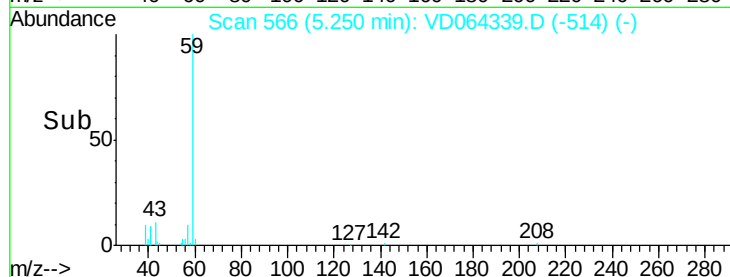
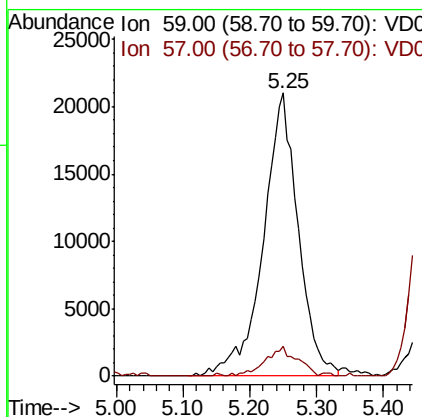
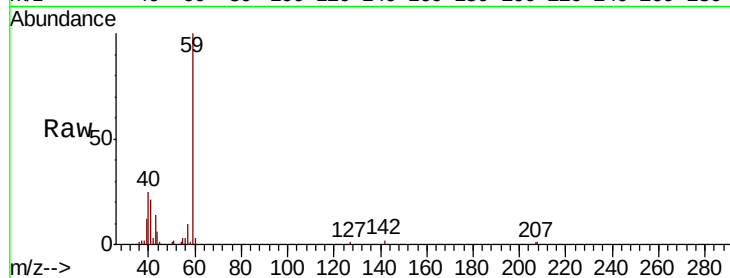
#11
Tert butyl alcohol
Concen: 222.353 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	9.4	14.2

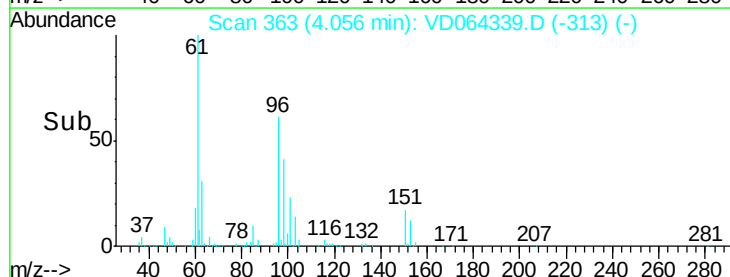
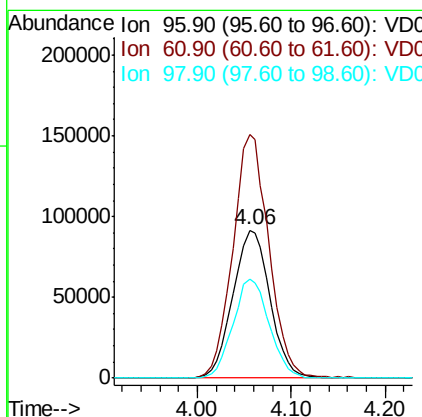
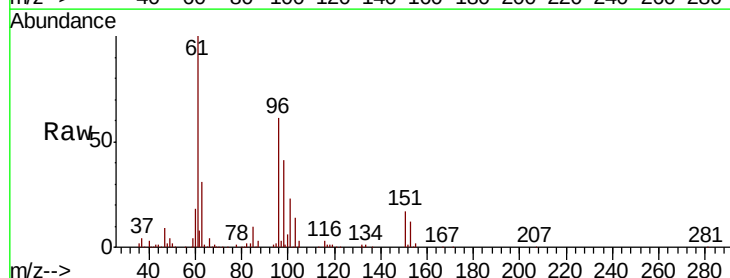
Manual Integrations
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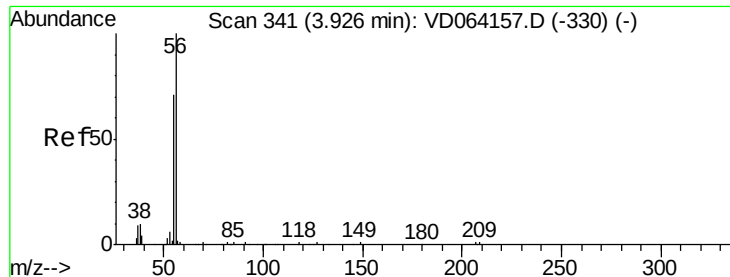
MMDadoda
11/26/2019 1:34:39 AM



#12
1,1-Dichloroethene
Concen: 49.670 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.4	127.4	191.2
98	66.6	48.1	72.1





#13

Acrolein

Concen: 251.920 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 73617

Ion Ratio Lower Upper

56 100

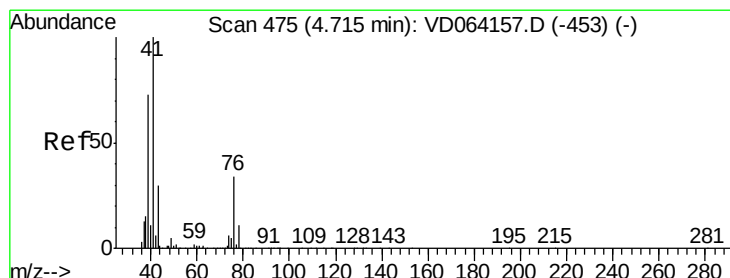
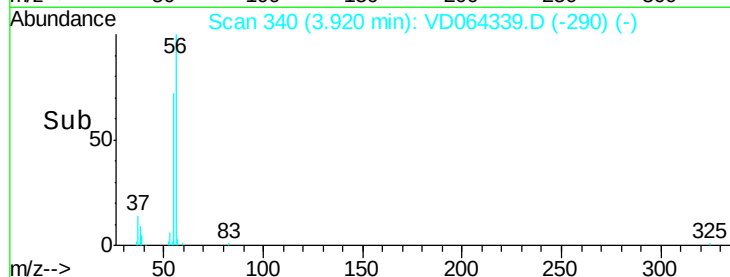
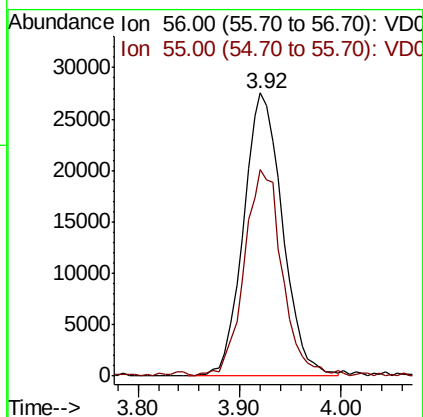
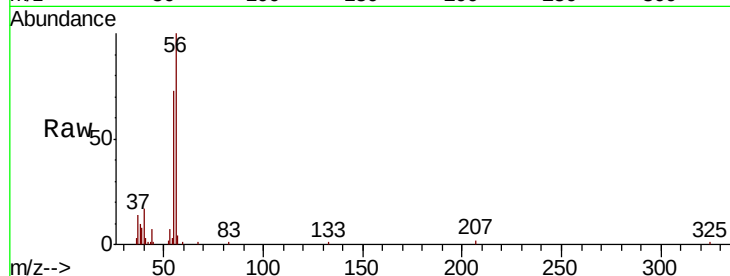
55 71.4 56.1 84.1

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#14

Allyl chloride

Concen: 44.803 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

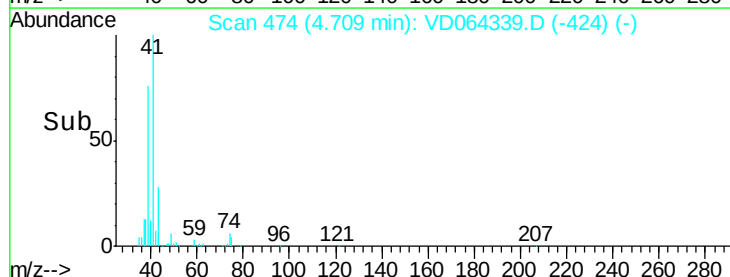
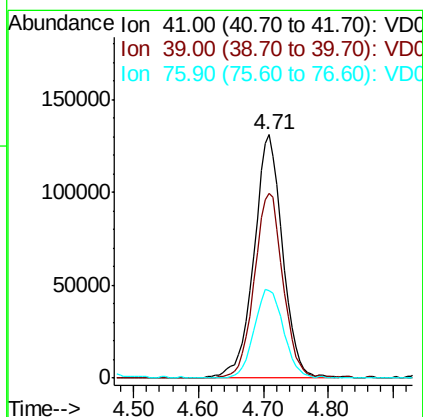
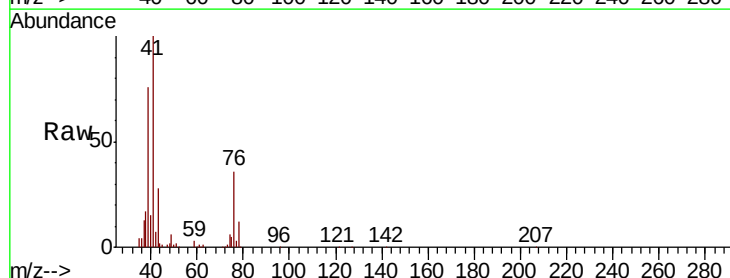
Tgt Ion: 41 Resp: 400262

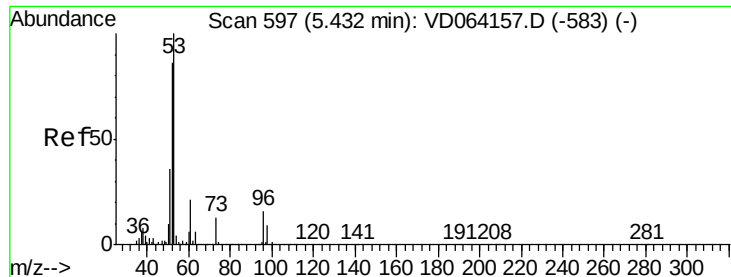
Ion Ratio Lower Upper

41 100

39 75.9 57.5 86.3

76 37.0 26.8 40.2





#15

Acrylonitrile

Concen: 228.969 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

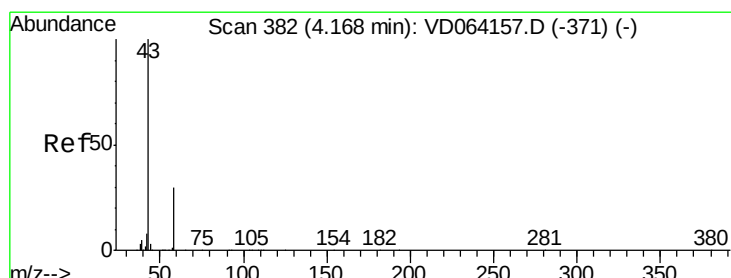
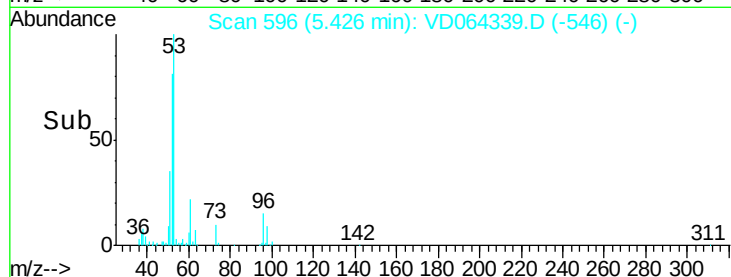
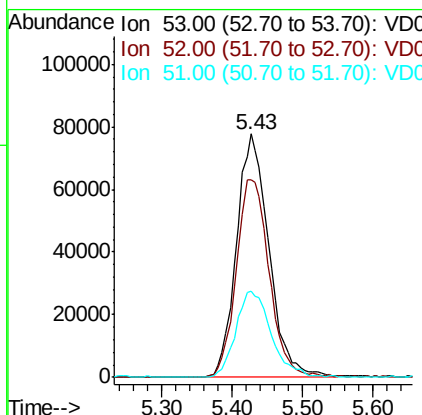
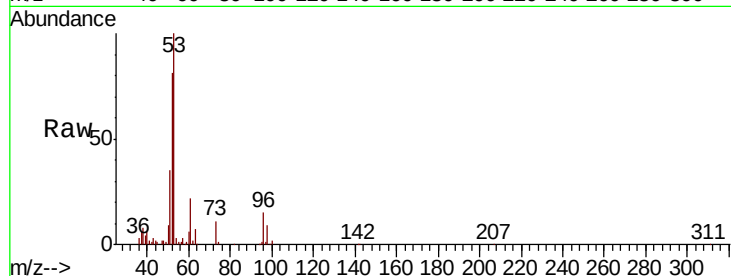
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	248930
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.7	100.1
51	38.4	30.6	46.0

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#16

Acetone

Concen: 260.609 ug/l

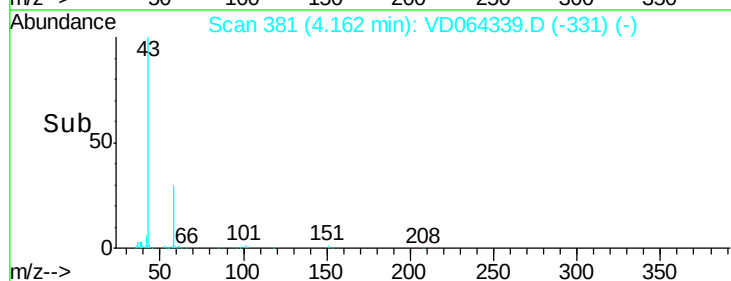
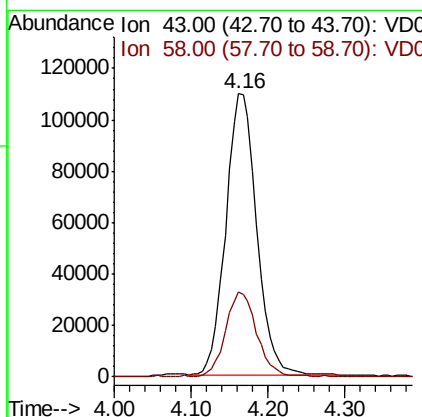
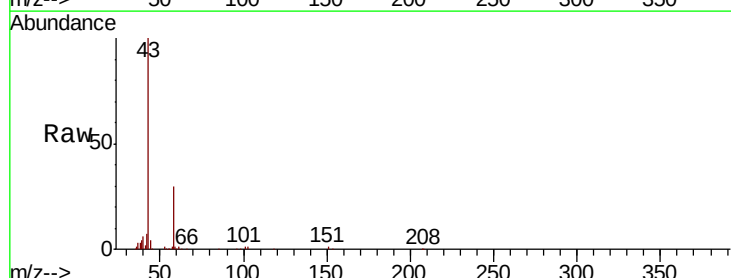
RT: 4.16 min Scan# 381

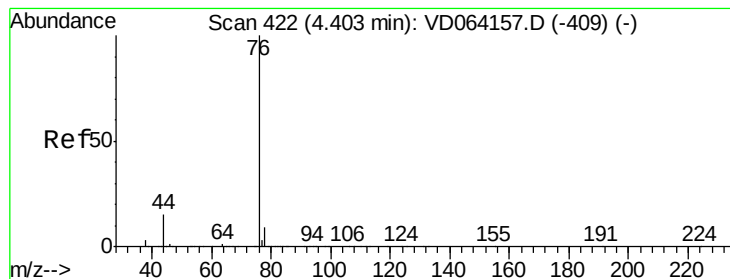
Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Tgt Ion:	43	Resp:	305334
Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.1	36.1





#17

Carbon Disulfide

Concen: 45.457 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 715303

Ion Ratio Lower Upper

76 100

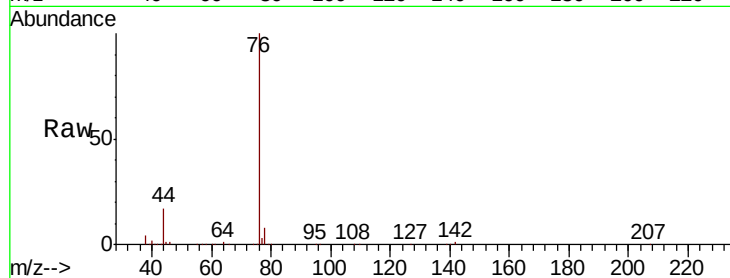
78 8.4 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

250000

200000

150000

100000

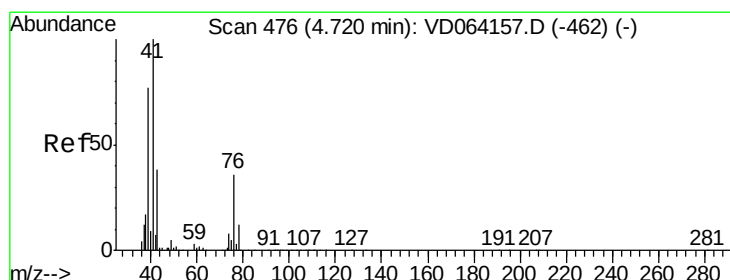
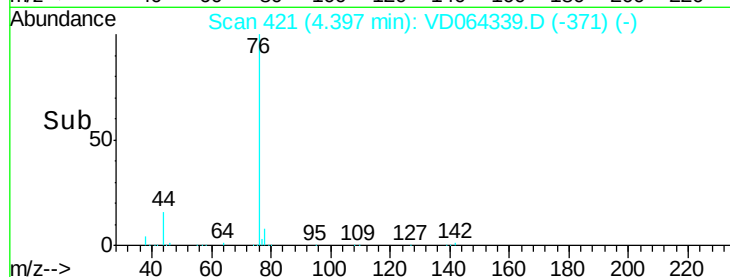
50000

0

Time-->

4.30 4.40 4.50 4.60

4.40



#18

Methyl Acetate

Concen: 43.392 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064339.D

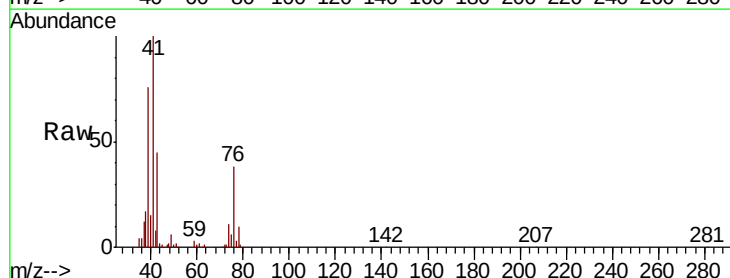
Acq: 22 Nov 2019 11:00

Tgt Ion: 43 Resp: 141995

Ion Ratio Lower Upper

43 100

74 24.4 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

50000

40000

30000

20000

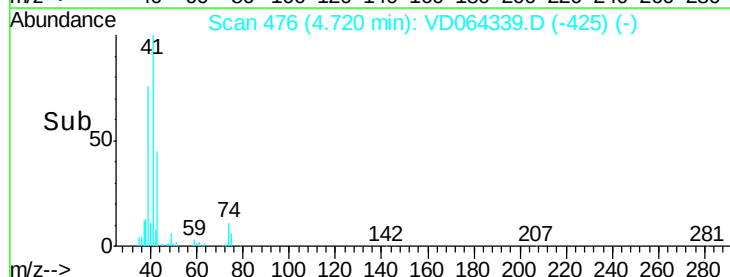
10000

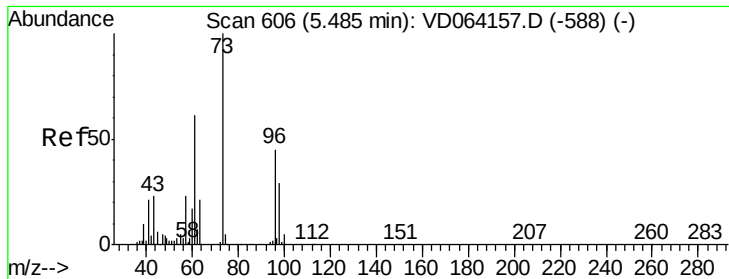
0

Time-->

4.60 4.70 4.80

4.72





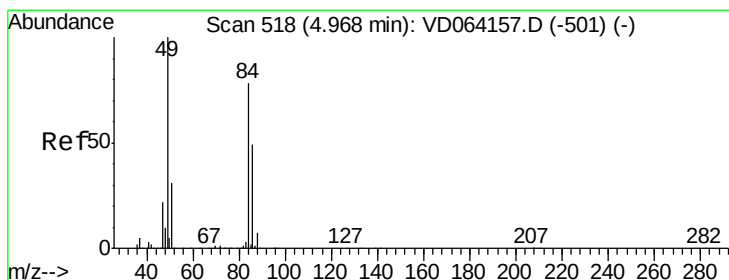
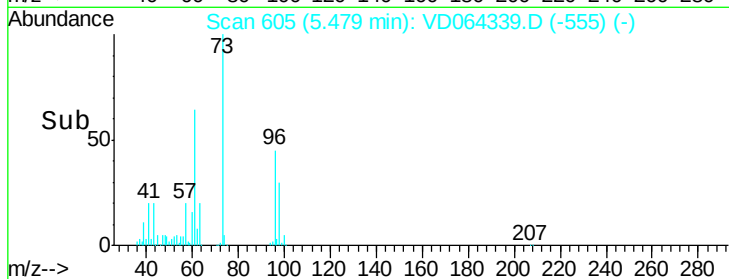
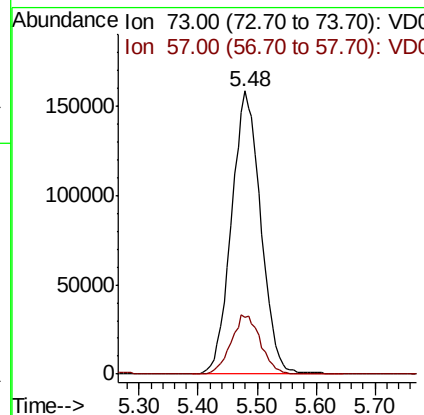
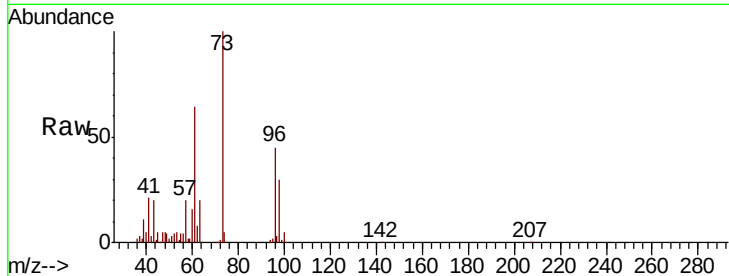
#19
Methyl tert-butyl Ether
Concen: 45.491 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	18.4	27.6

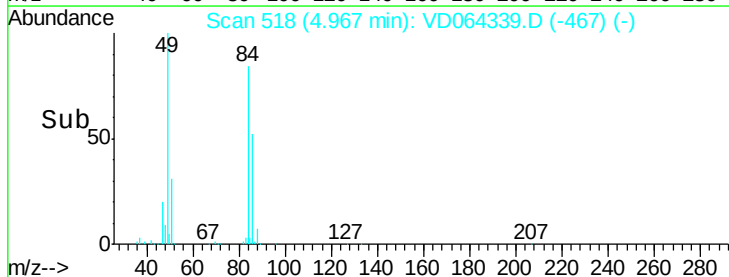
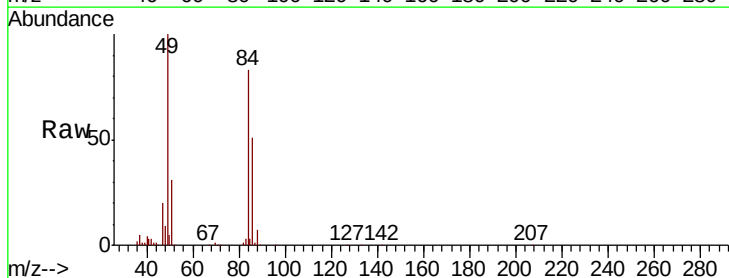
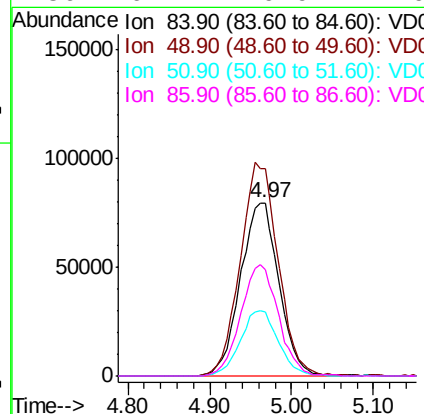
Manual Integrations
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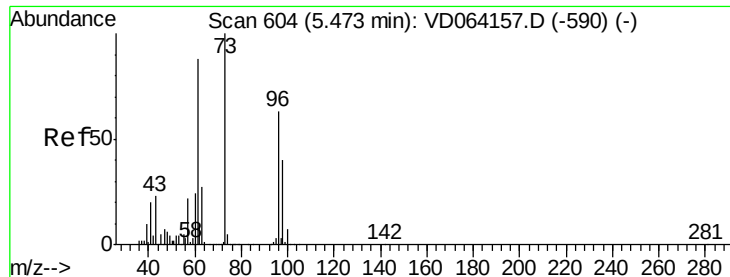
MMDadoda
11/26/2019 1:34:39 AM



#20
Methylene Chloride
Concen: 43.922 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.0	102.1	153.1
51	37.2	32.2	48.2
86	61.7	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 47.984 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 274695

Ion Ratio Lower Upper

96 100

61 135.2 111.8 167.6

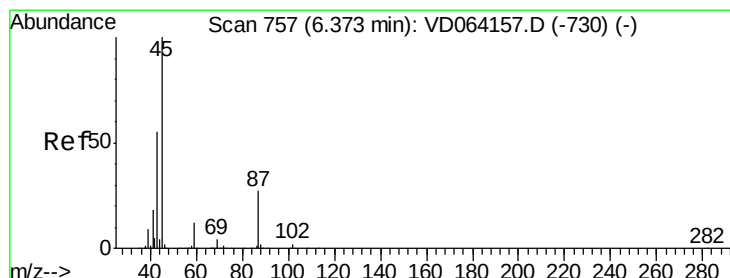
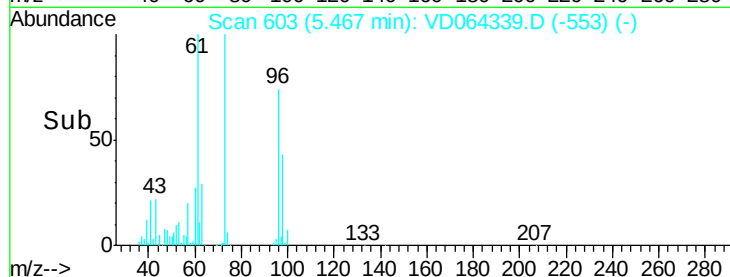
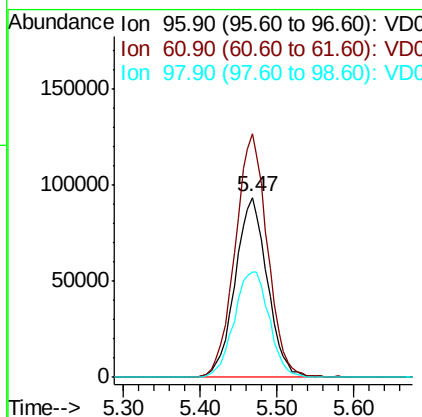
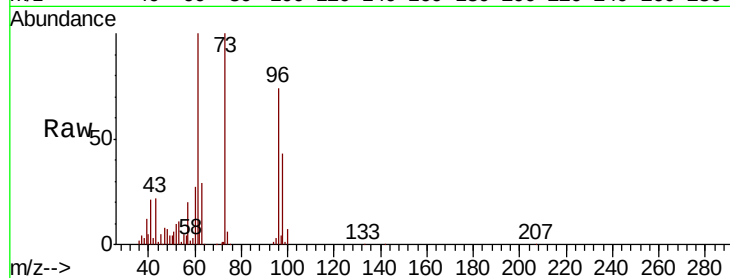
98 58.3 50.3 75.5

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MMDadoda

11/26/2019 1:34:39 AM



#22

Diisopropyl ether

Concen: 45.276 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Tgt Ion: 45 Resp: 750504

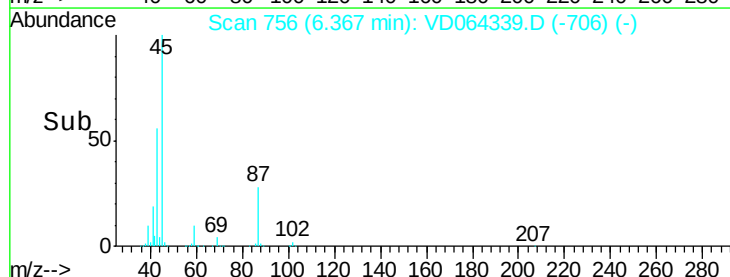
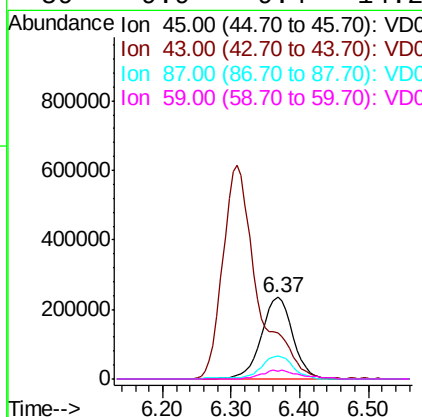
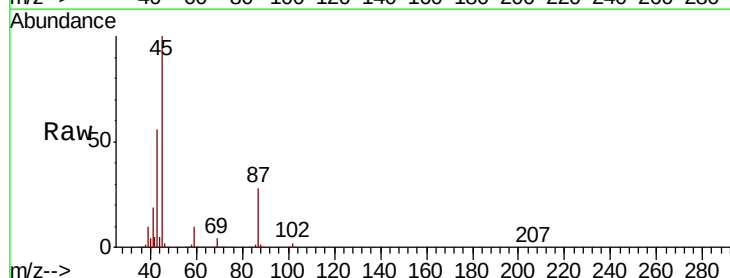
Ion Ratio Lower Upper

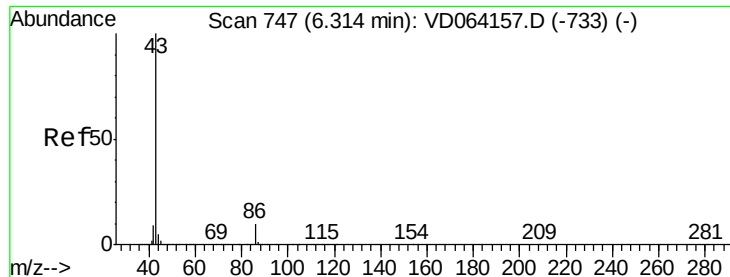
45 100

43 56.0 44.4 66.6

87 27.5 21.9 32.9

59 9.9 9.4 14.2





#23

Vinyl Acetate

Concen: 232.328 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2146706

Ion Ratio Lower Upper

43 100

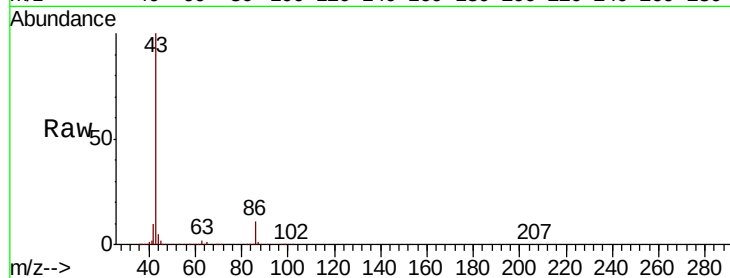
86 10.5 8.2 12.2

Manual Integrations

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11/26/2019 1:34:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

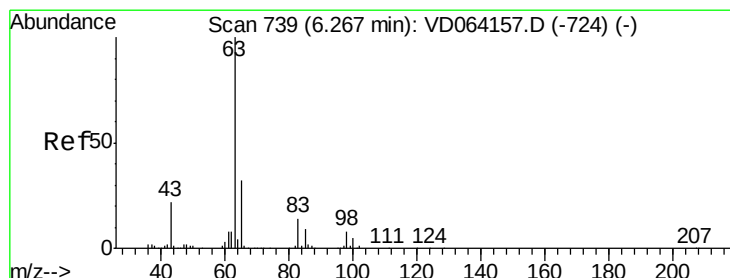
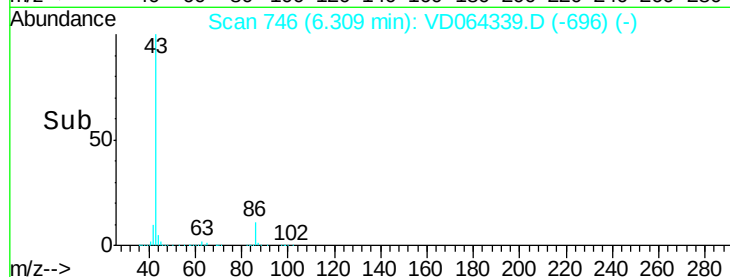
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.444 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

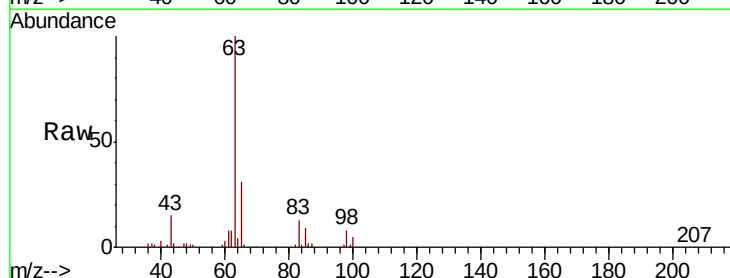
Tgt Ion: 63 Resp: 466258

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.4

100 4.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

200000

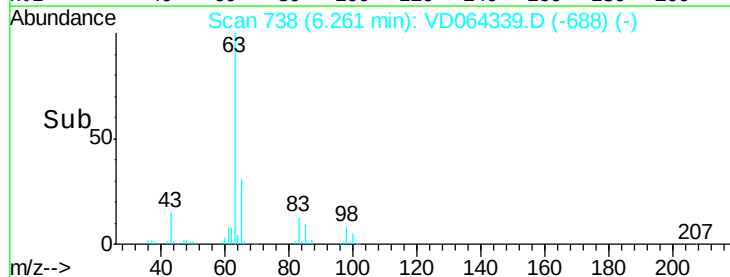
150000

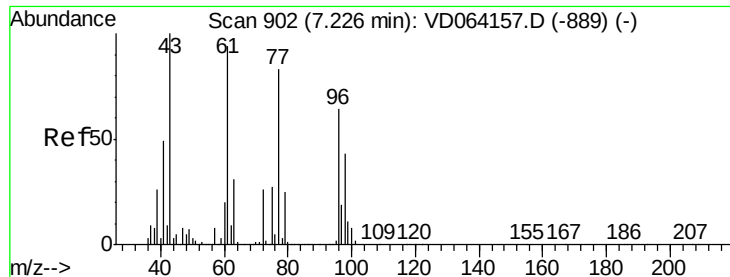
100000

50000

0

Time-->





#25

2-Butanone

Concen: 228.921 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 346509

Ion Ratio Lower Upper

43 100

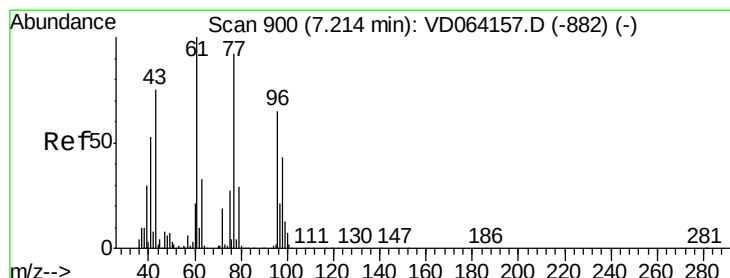
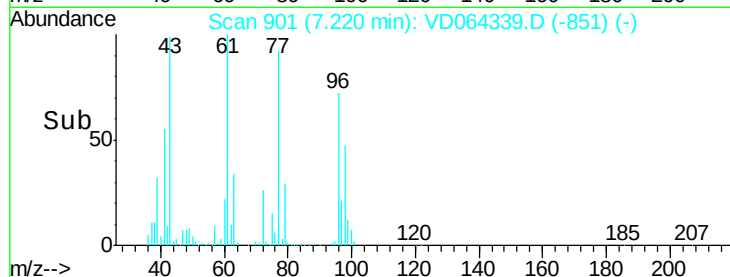
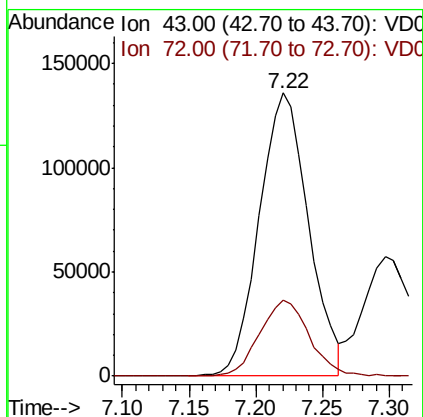
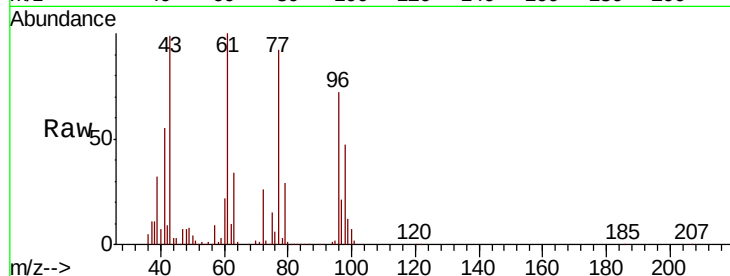
72 26.7 20.6 30.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 47.332 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064339.D

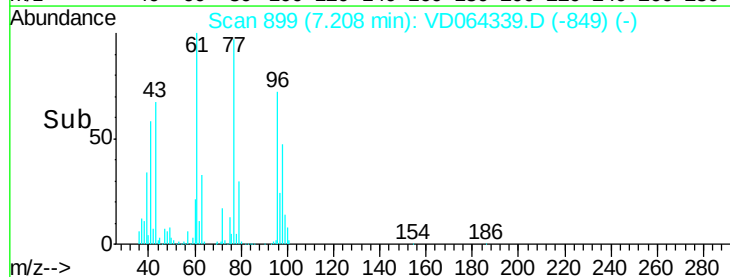
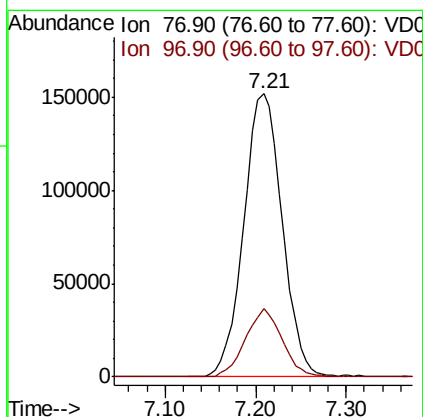
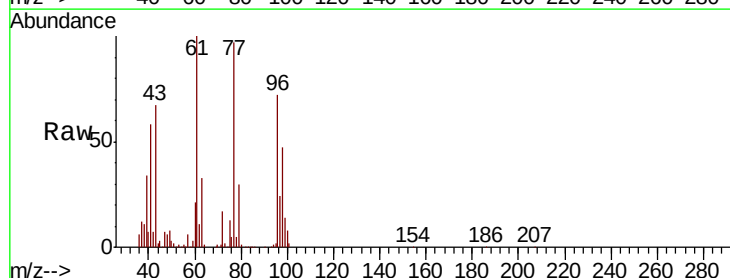
Acq: 22 Nov 2019 11:00

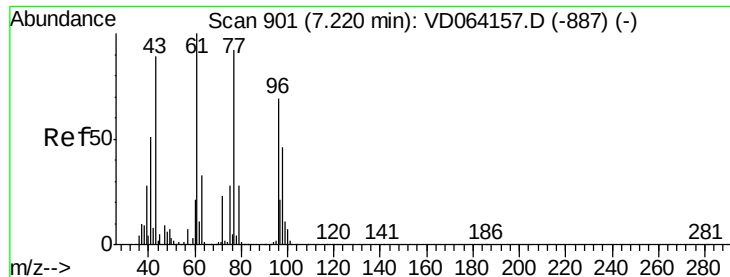
Tgt Ion: 77 Resp: 446755

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.3





#27

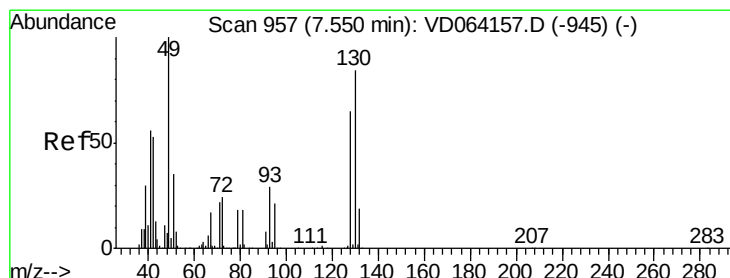
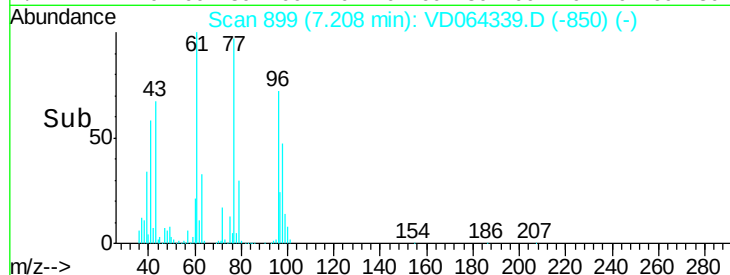
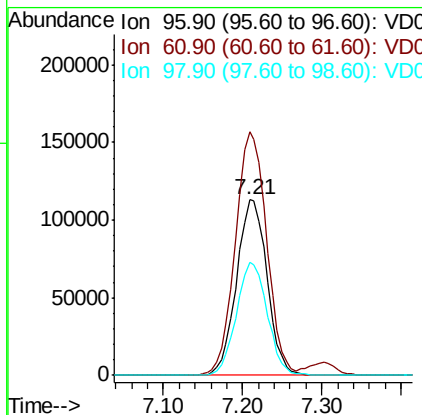
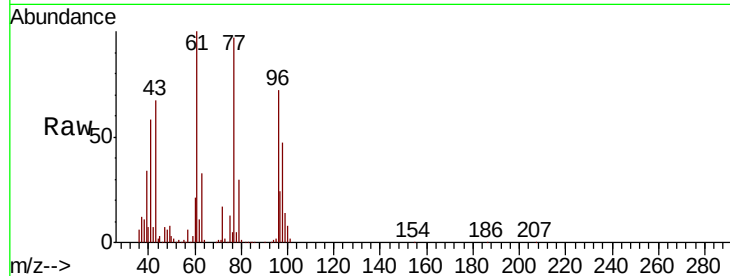
cis-1,2-Dichloroethene
Concen: 49.292 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	302609		
61	141.9		0.0	301.4
98	65.3		0.0	133.2

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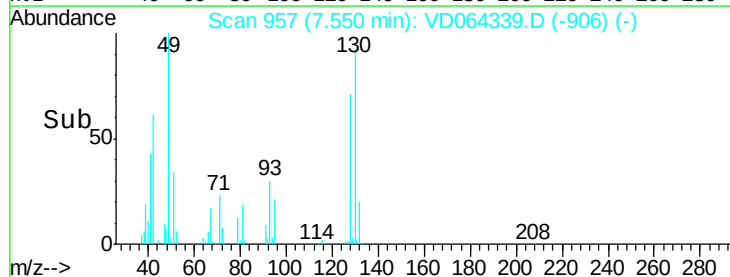
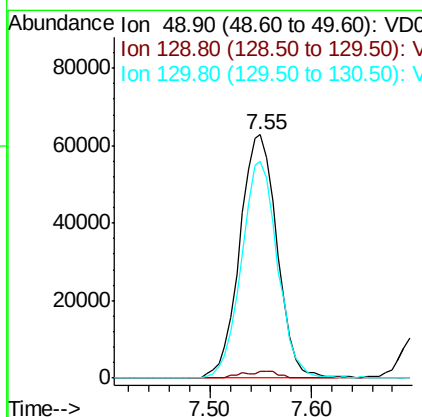
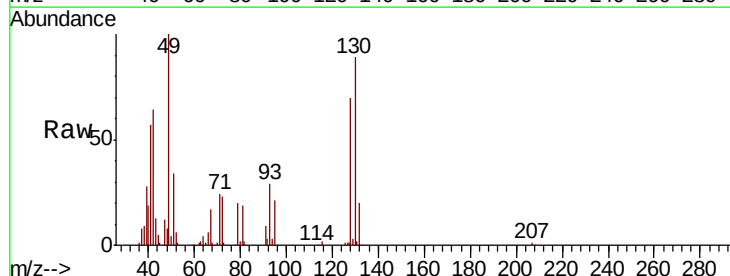
MMDadoda
11/26/2019 1:34:39 AM

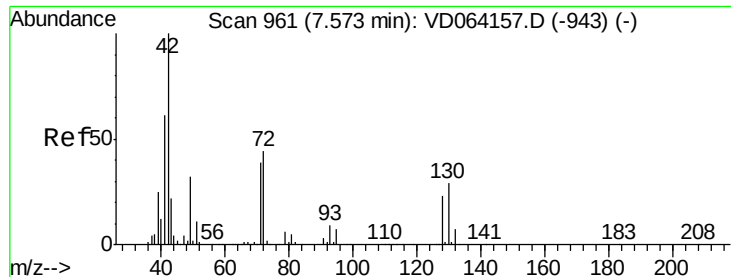


#28

Bromochloromethane
Concen: 47.859 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	160368		
129	2.5		0.0	4.4
130	86.6		66.8	100.2





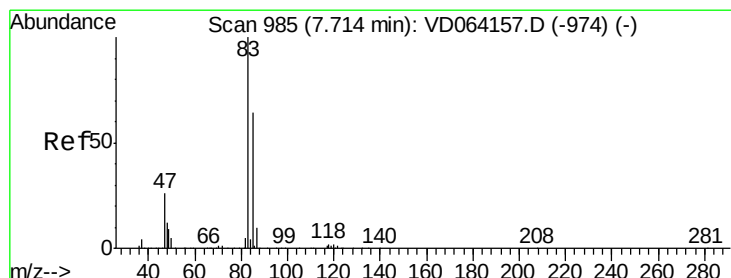
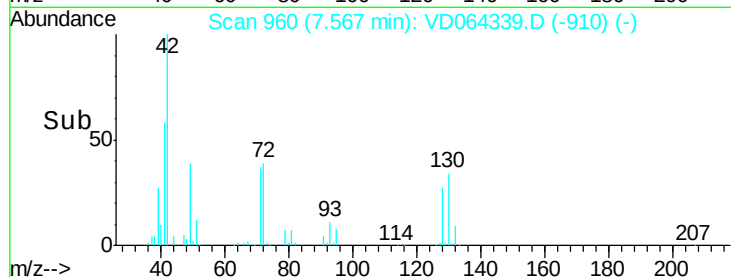
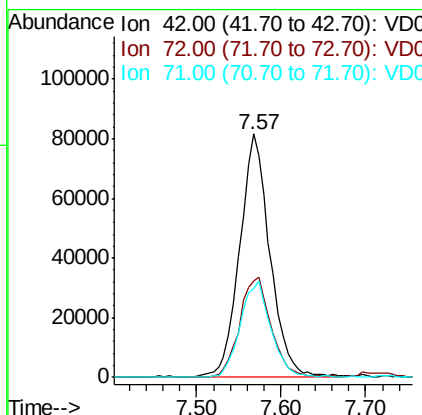
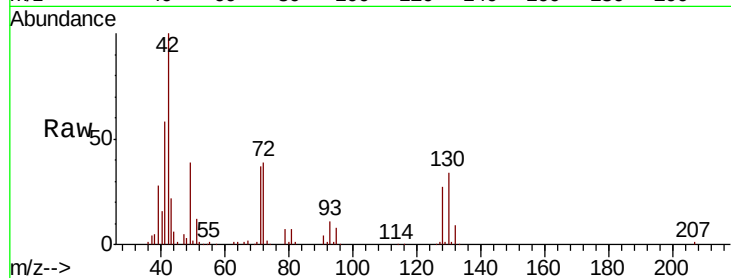
#29
Tetrahydrofuran
Concen: 223.049 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.4	50.2
71	40.1	31.0	46.4

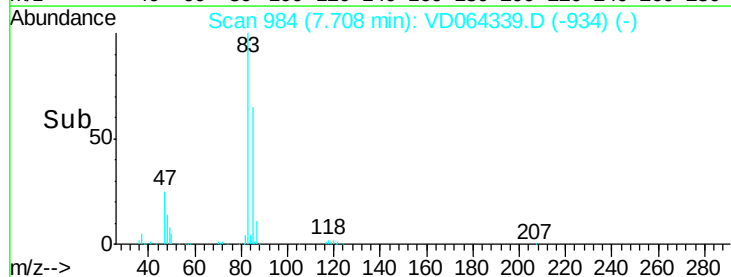
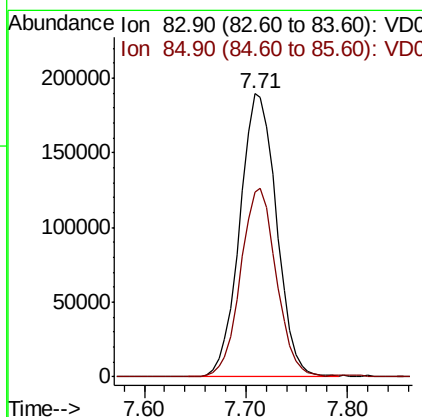
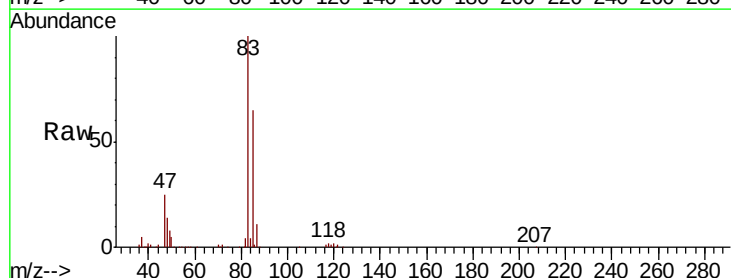
Manual Integrations
APPROVED

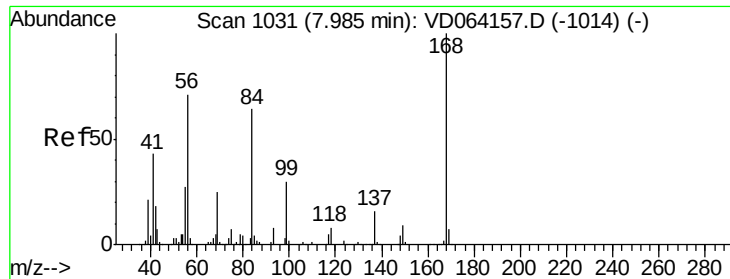
MMDadoda
11/26/2019 1:34:39 AM



#30
Chloroform
Concen: 48.461 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.0





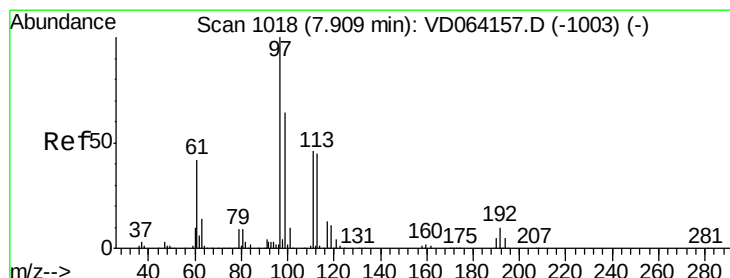
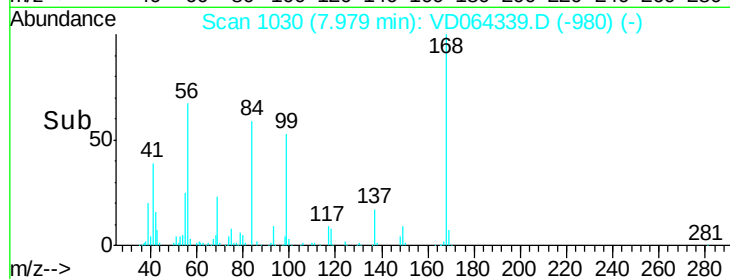
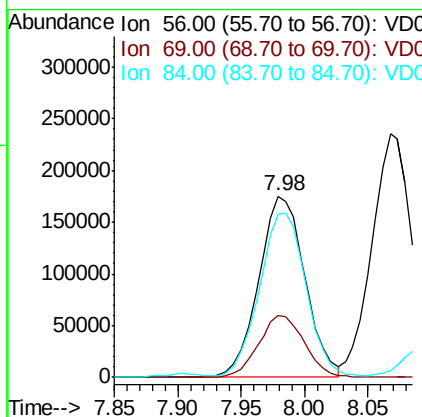
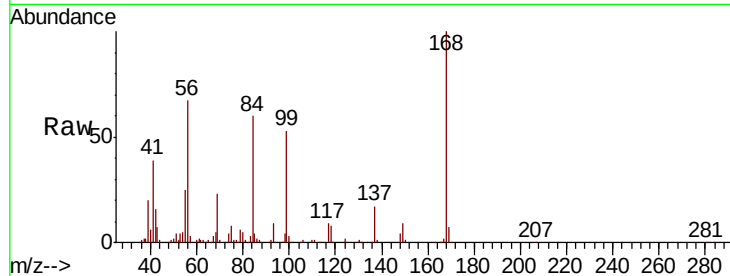
#31
Cyclohexane
Concen: 45.402 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	34.5	28.2	42.4	
84	88.6	71.8	107.6	

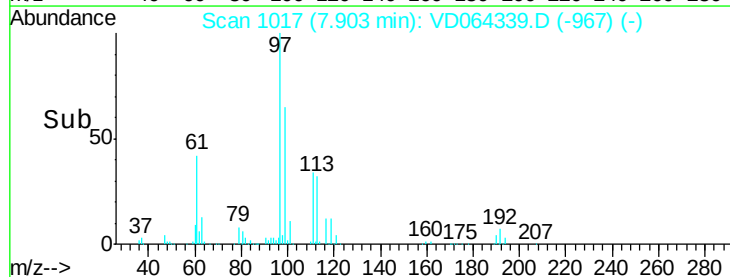
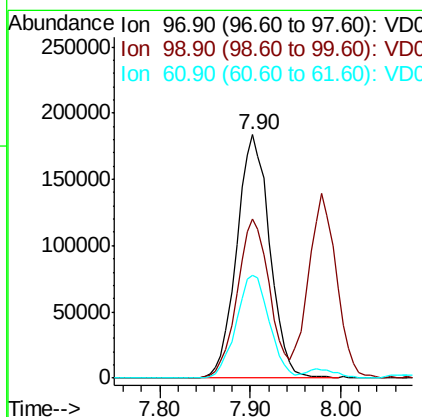
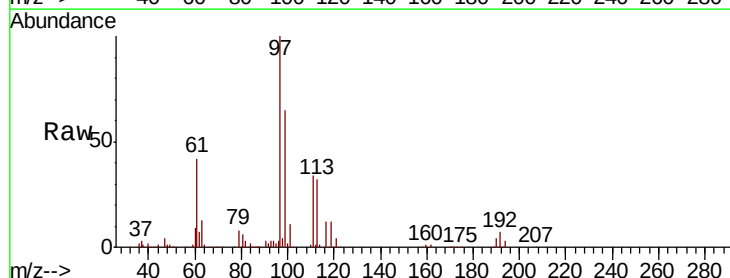
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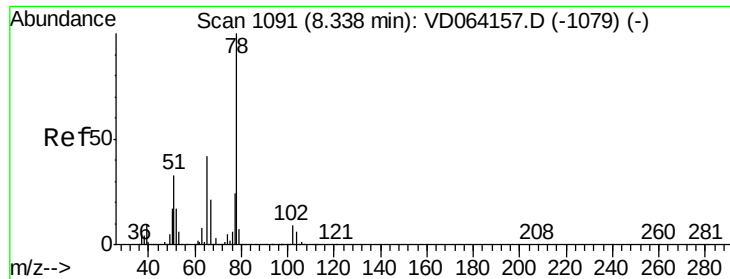
MMDadoda
11/26/2019 1:34:39 AM



#32
1,1,1-Trichloroethane
Concen: 49.198 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.6	51.6	77.4	
61	42.4	34.2	51.2	





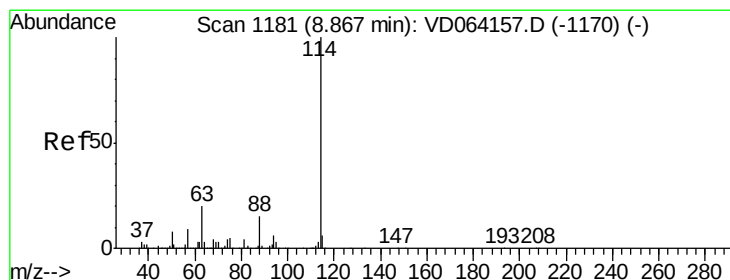
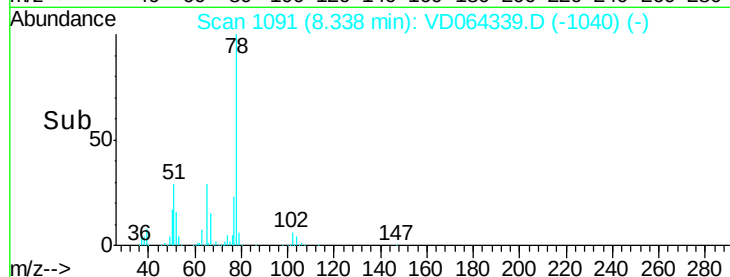
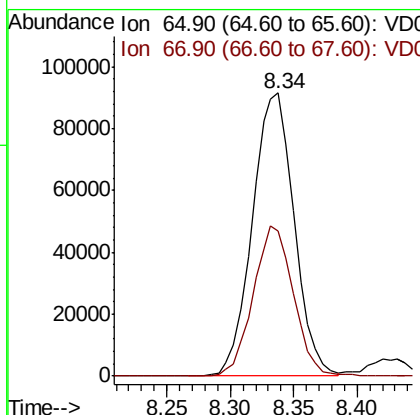
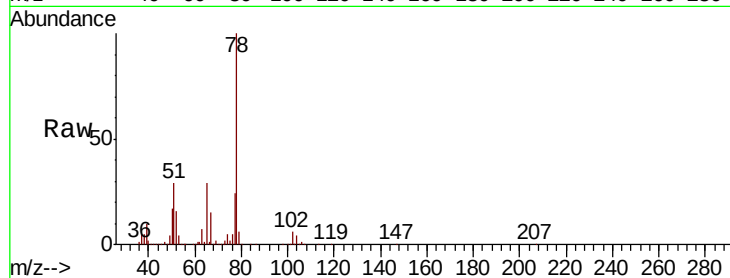
#33
 1,2-Dichloroethane-d4
 Concen: 42.415 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209766		
67	51.3	0.0	104.4	

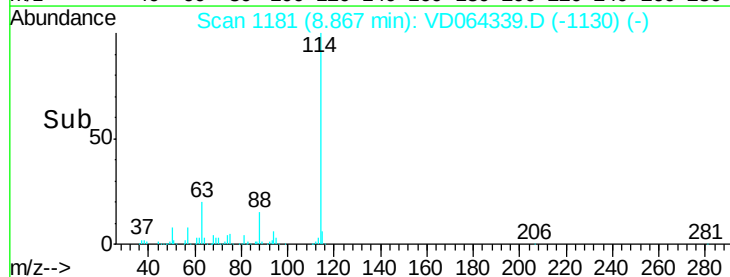
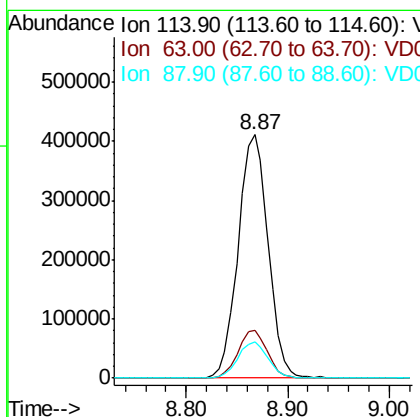
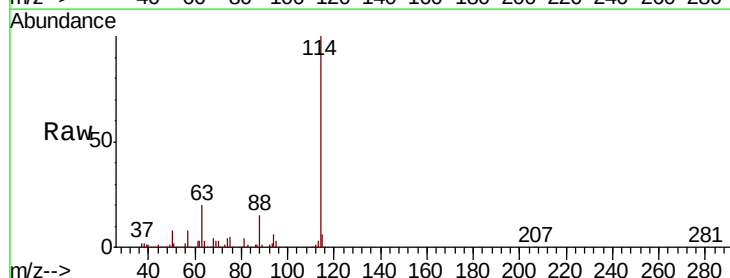
Manual Integrations
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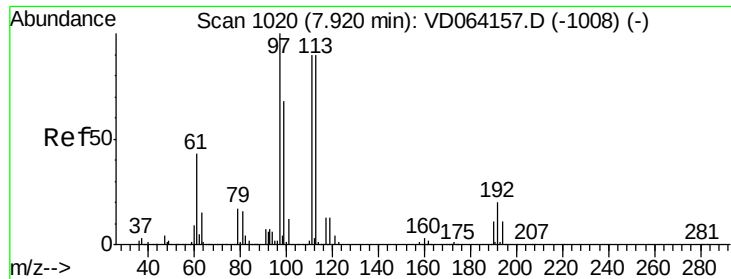
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	841886		
63	19.7	0.0	40.0	
88	14.8	0.0	30.2	





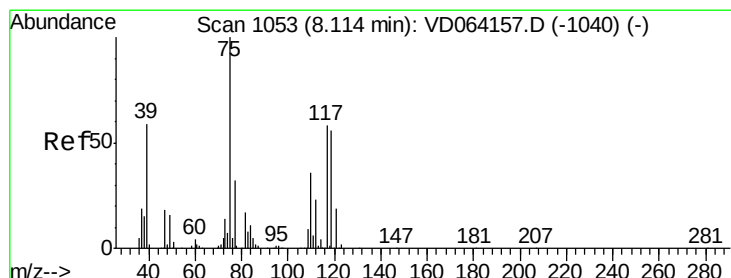
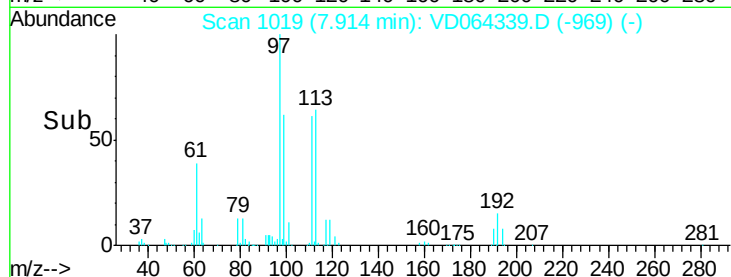
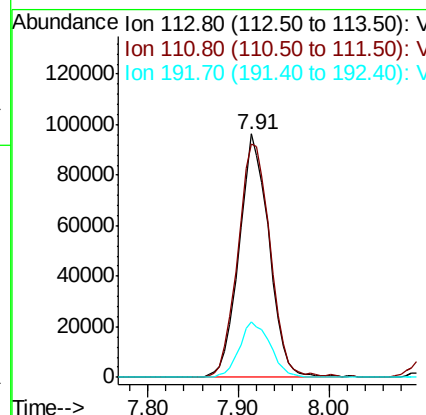
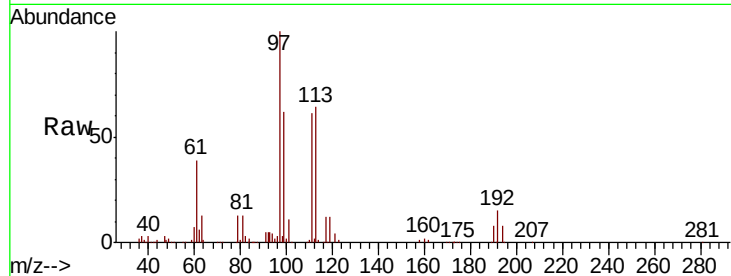
#35
 Dibromofluoromethane
 Concen: 45.812 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221390		
111	104.2	81.5	122.3	
192	23.4	18.8	28.2	

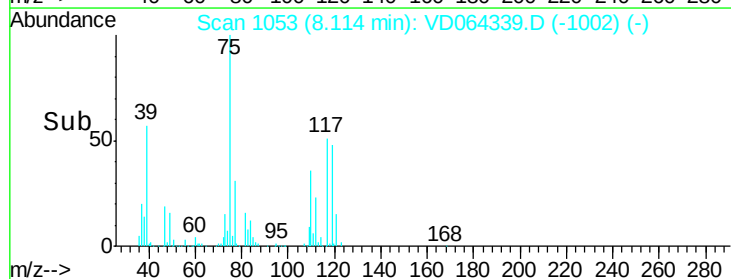
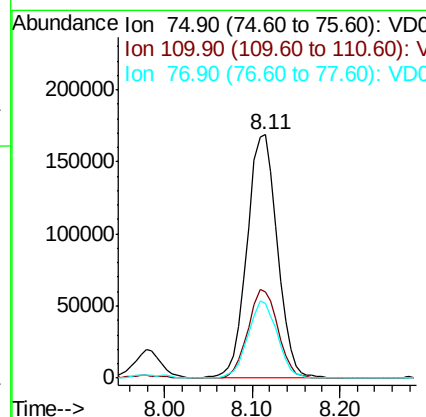
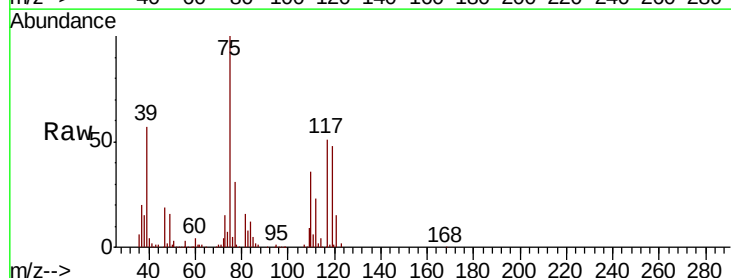
Manual Integrations
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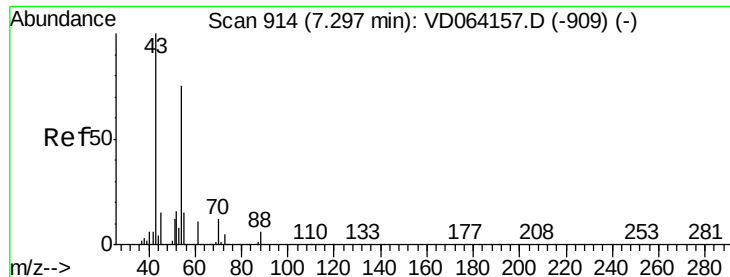
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 11/26/2019 1:34:39 AM



#36
 1,1-Dichloropropene
 Concen: 50.604 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	393189		
110	36.2	18.3	54.9	
77	31.1	25.0	37.6	





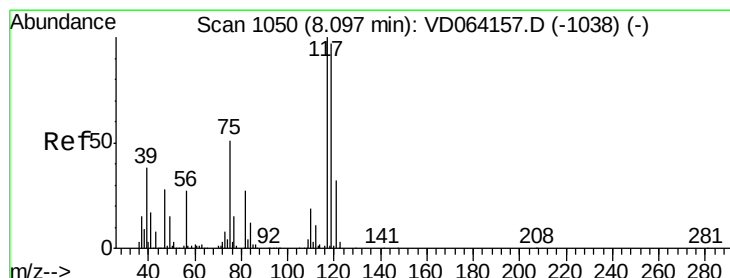
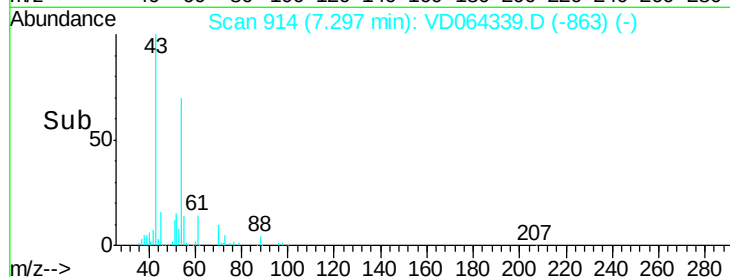
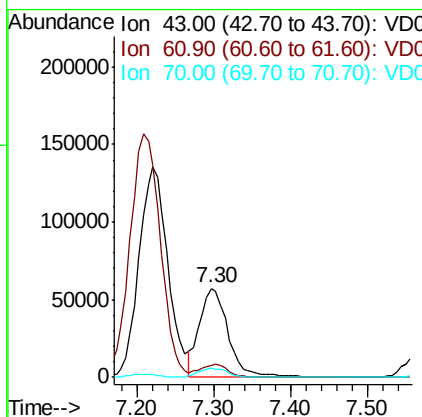
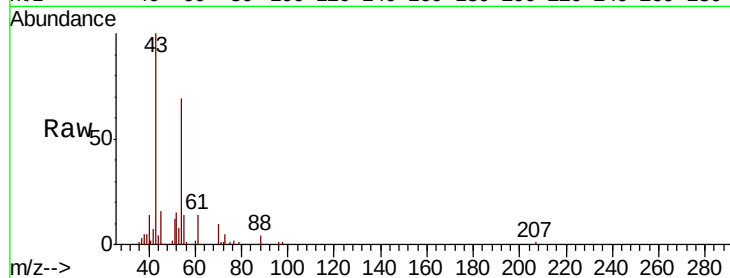
#37
Ethyl Acetate
Concen: 44.615 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	146142
Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.2	15.2
70	10.4	8.5	12.7

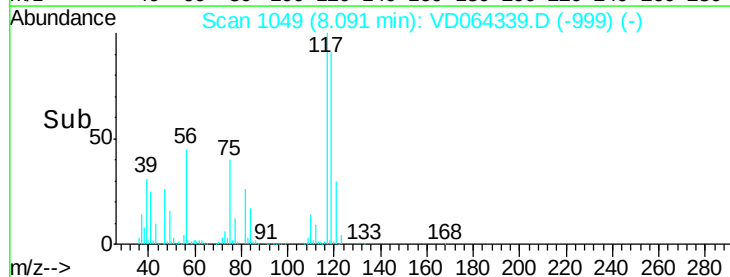
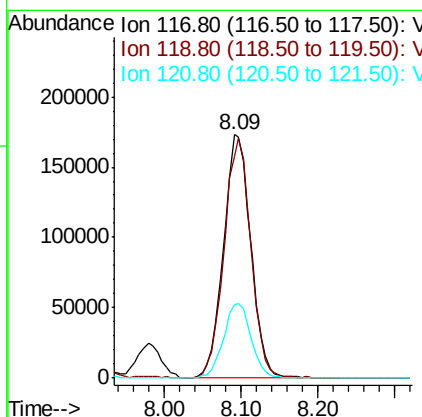
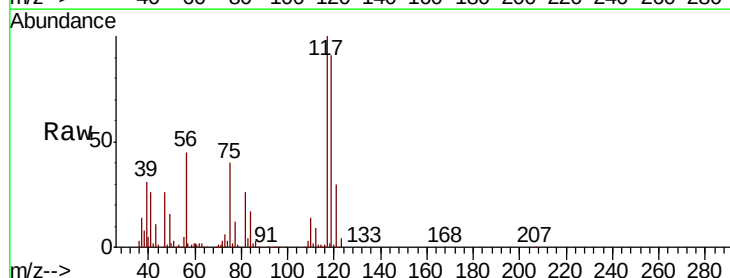
Manual Integrations
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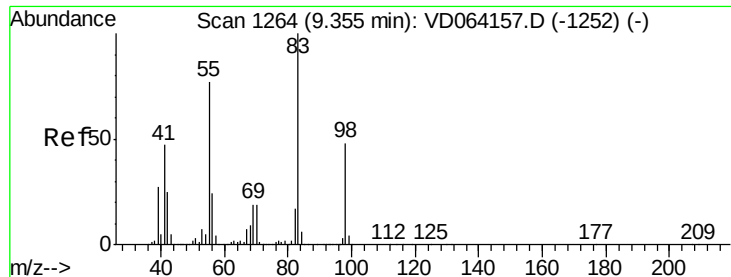
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.351 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	117	Resp	426929
Ion	Ratio	Lower	Upper
117	100		
119	90.8	77.2	115.8
121	30.4	25.5	38.3





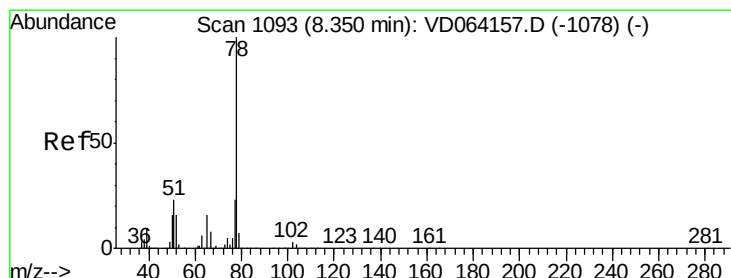
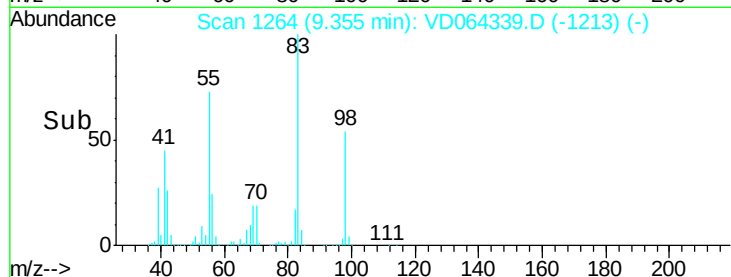
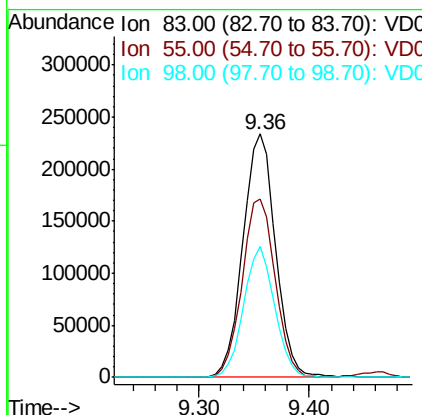
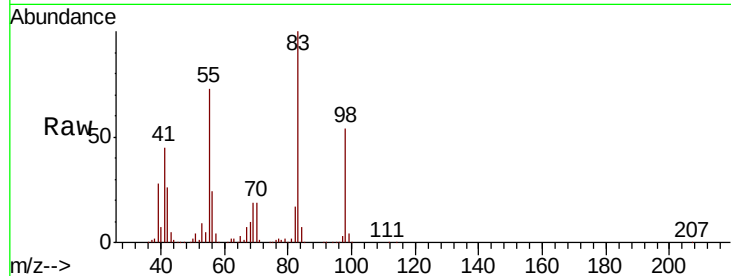
#39
Methylvlcyclohexane
Concen: 49.463 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	61.7	92.5
98	53.7	38.6	58.0

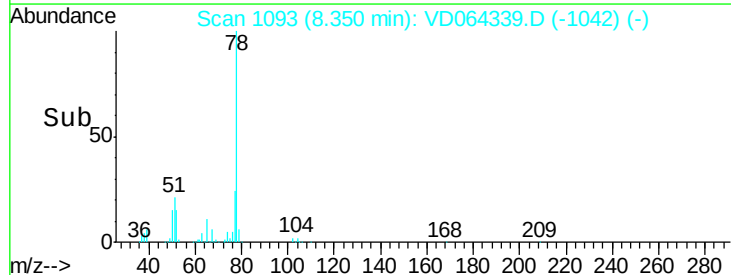
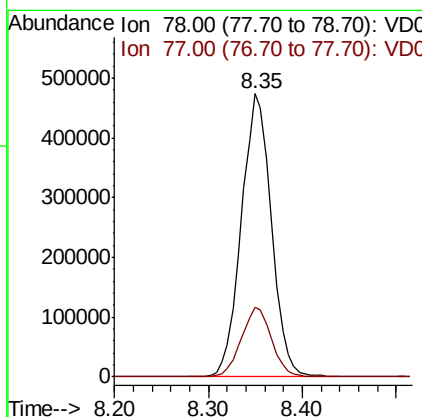
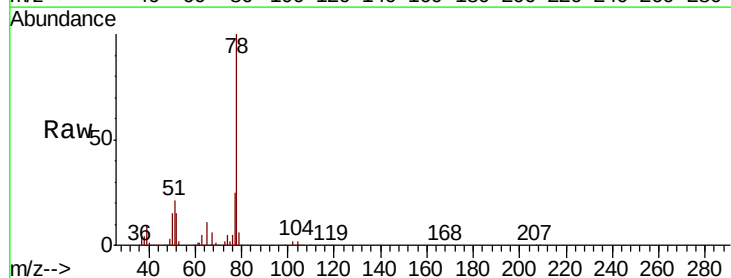
Manual Integrations
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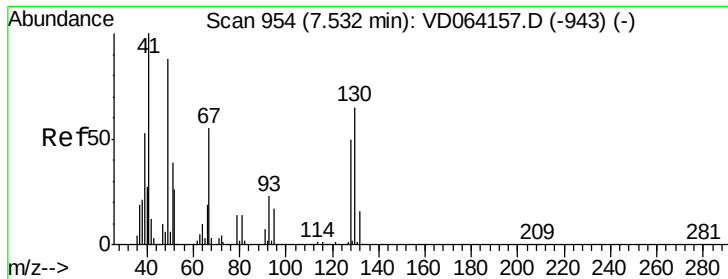
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#40
Benzene
Concen: 49.434 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.6	28.0





#41

Methacrylonitrile

Concen: 36.746 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 75653
Ion Ratio Lower Upper

41 100

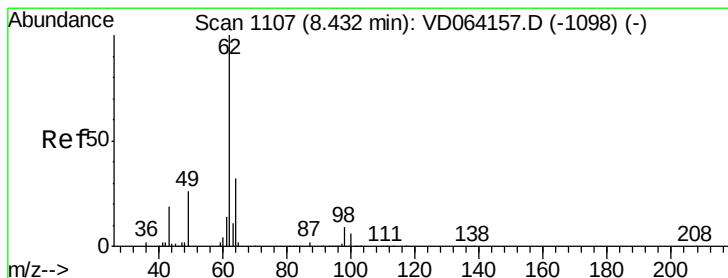
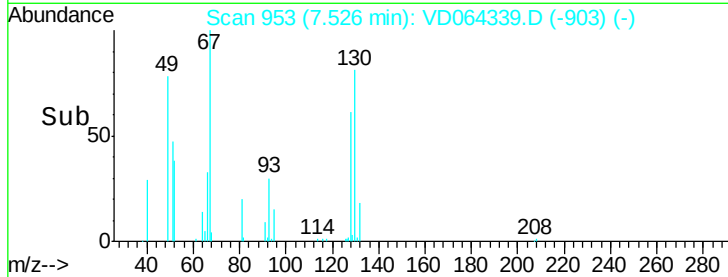
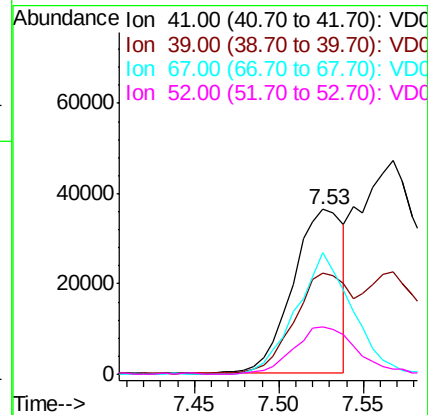
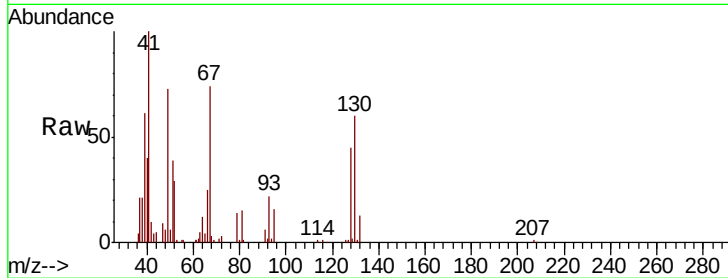
39 68.1 49.4 74.2

67 82.4 49.6 74.4#

52 35.9 21.4 32.0#

Manual Integrations
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MMDadoda
11/26/2019 1:34:39 AM



#42

1,2-Dichloroethane

Concen: 46.519 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

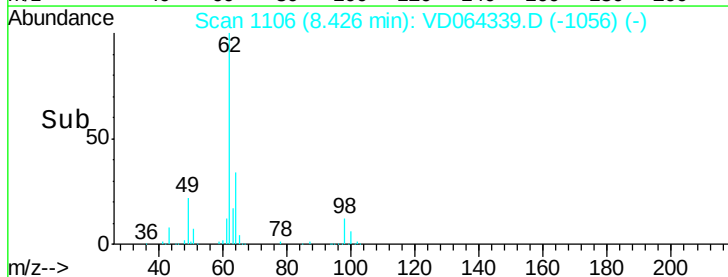
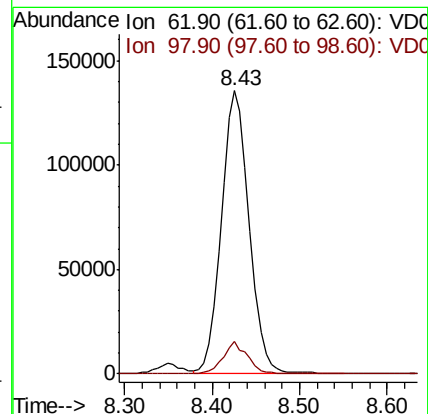
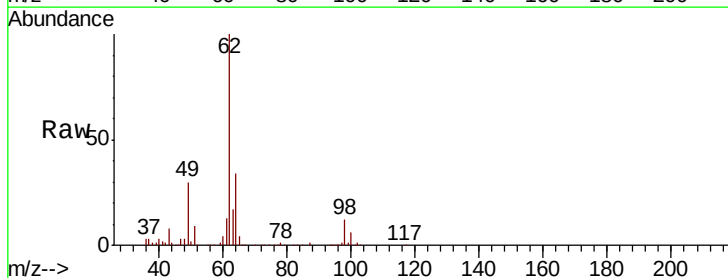
Lab File: VD064339.D

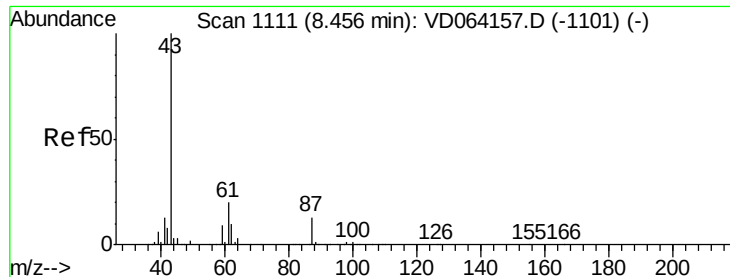
Acq: 22 Nov 2019 11:00

Tgt Ion: 62 Resp: 296688
Ion Ratio Lower Upper

62 100

98 10.1 0.0 19.0





#43

Isopropyl Acetate

Concen: 43.461 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

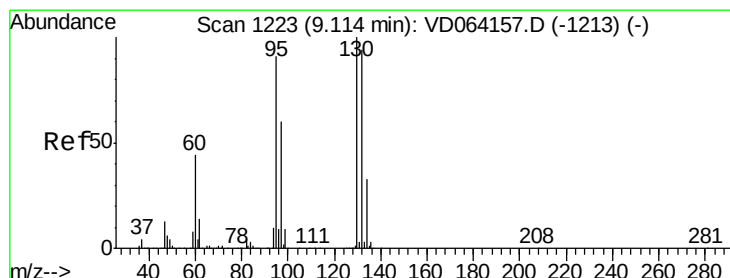
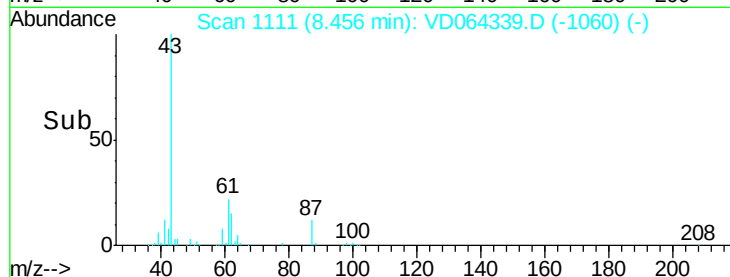
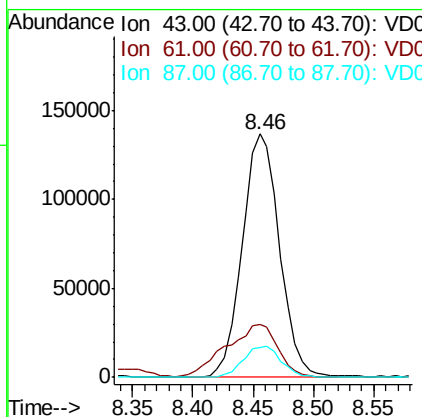
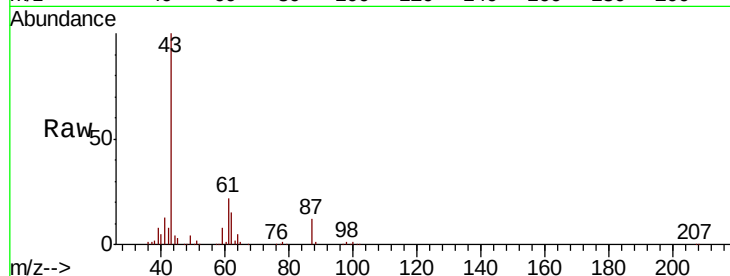
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	293322
Ion	Ratio	Lower	Upper
43	100		
61	30.4	22.9	34.3
87	13.2	10.2	15.2

Manual Integrations
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11/26/2019 1:34:39 AM



#44

Trichloroethene

Concen: 50.180 ug/l

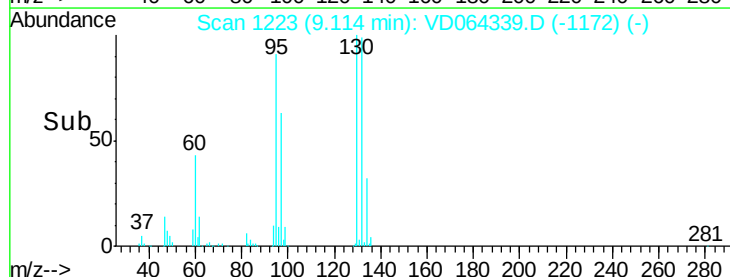
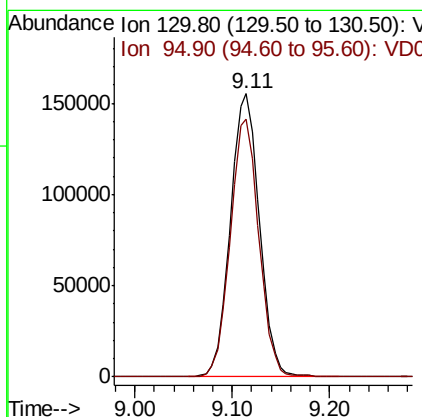
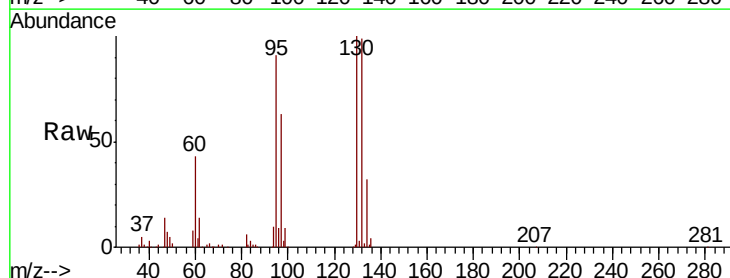
RT: 9.11 min Scan# 1223

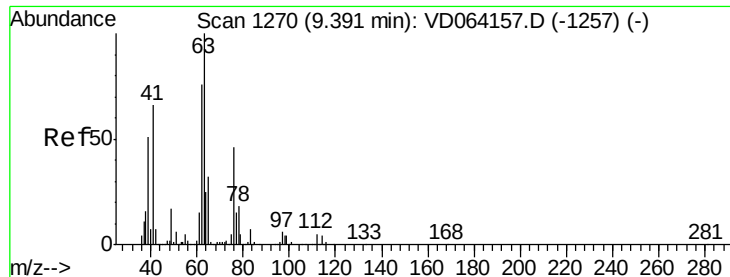
Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Tgt Ion:	130	Resp:	319816
Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	181.6





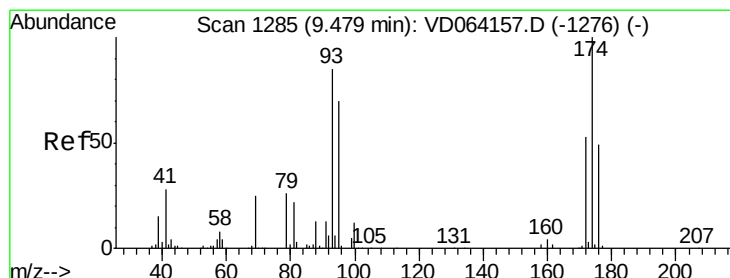
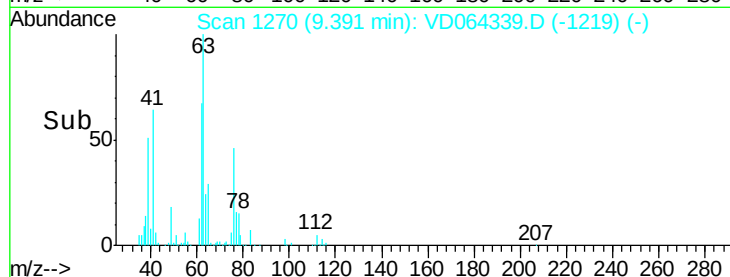
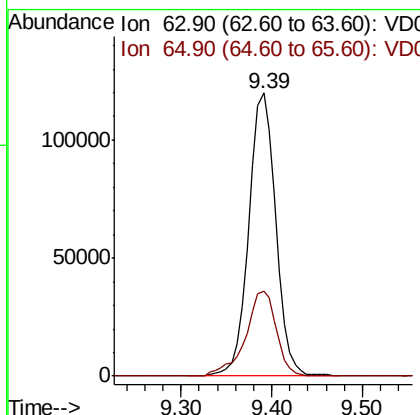
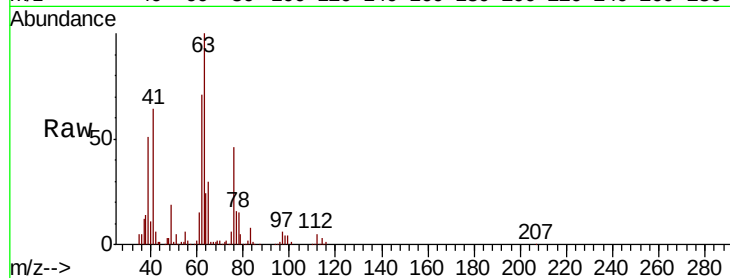
#45
 1,2-Dichloropropane
 Concen: 47.957 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	25.7	38.5

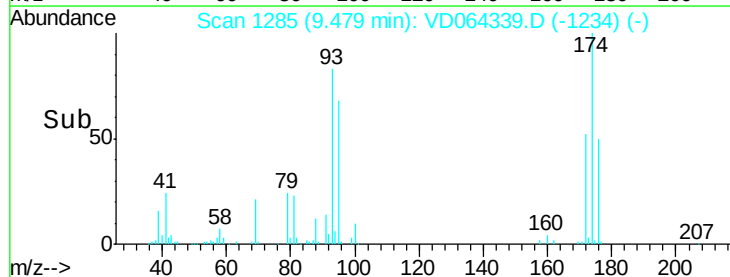
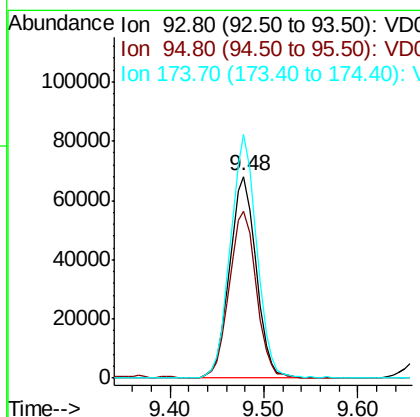
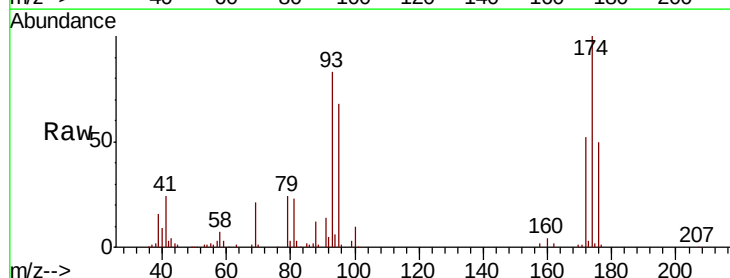
Manual Integrations
 APPROVED

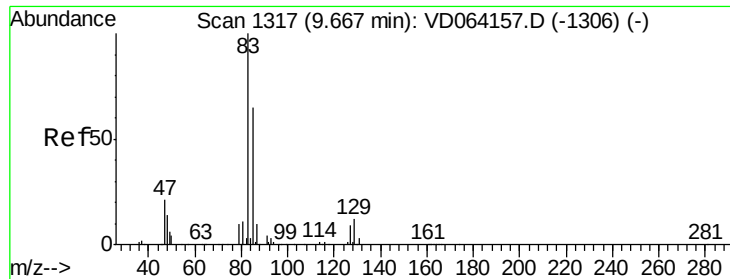
MMDadoda
 11/26/2019 1:34:39 AM



#46
 Dibromomethane
 Concen: 48.447 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.5	98.3
174	119.3	93.9	140.9





#47

Bromodichloromethane

Concen: 47.899 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

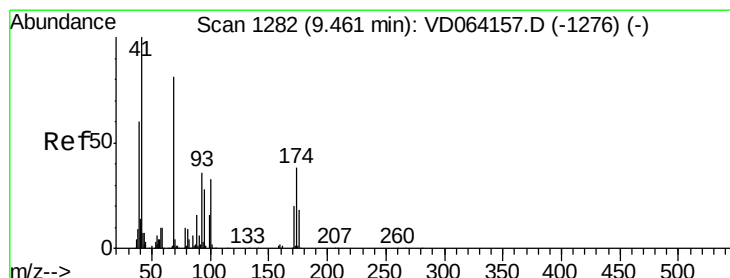
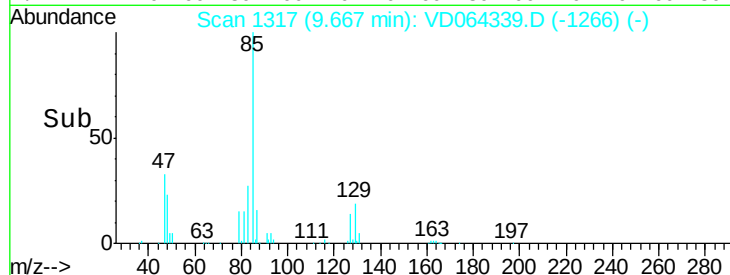
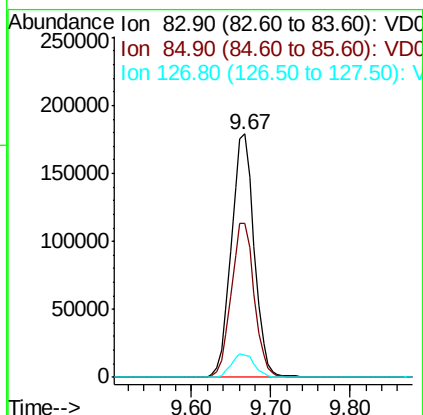
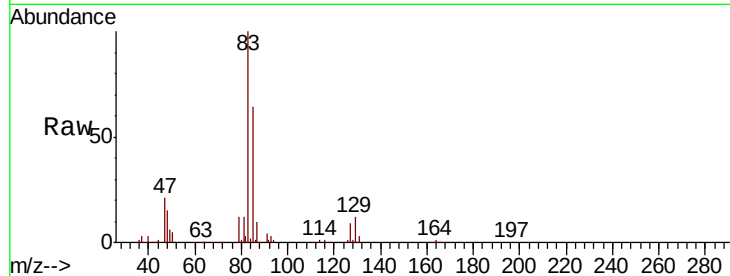
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	357009
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.2	78.4
127	9.0	7.5	11.3

Manual Integrations
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MMDadoda
11/26/2019 1:34:39 AM



#48

Methyl methacrylate

Concen: 44.031 ug/l

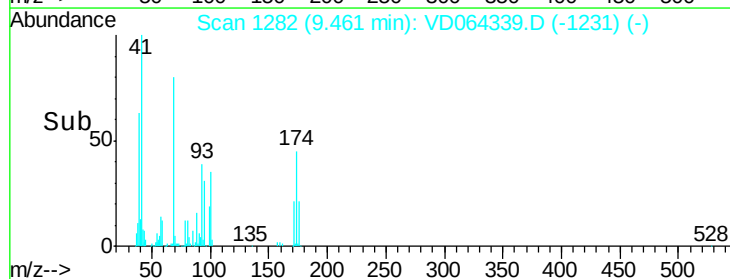
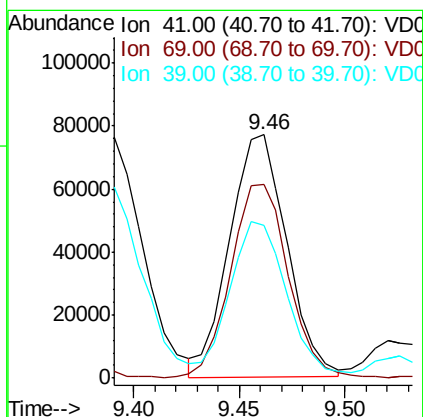
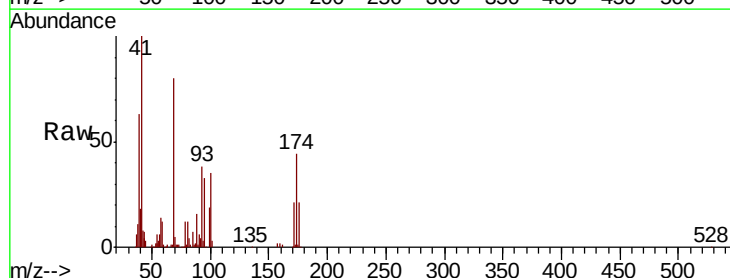
RT: 9.46 min Scan# 1282

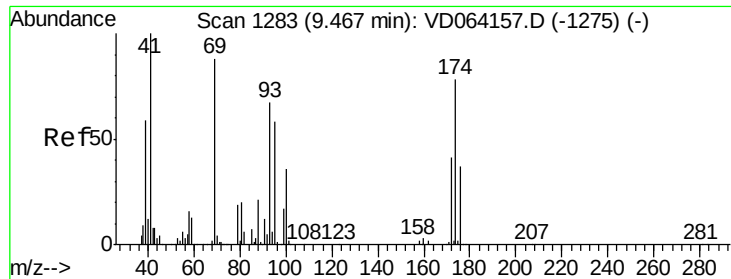
Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Tgt Ion:	41	Resp:	145308
Ion	Ratio	Lower	Upper
41	100		
69	79.8	64.6	97.0
39	59.3	48.2	72.2





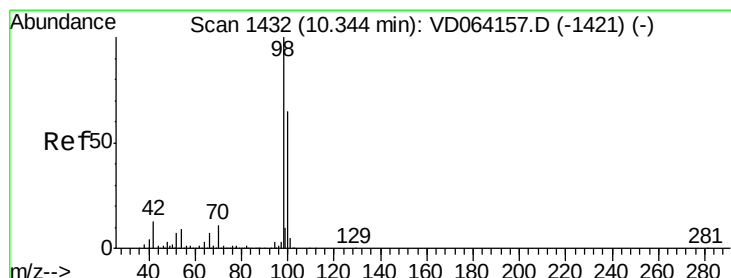
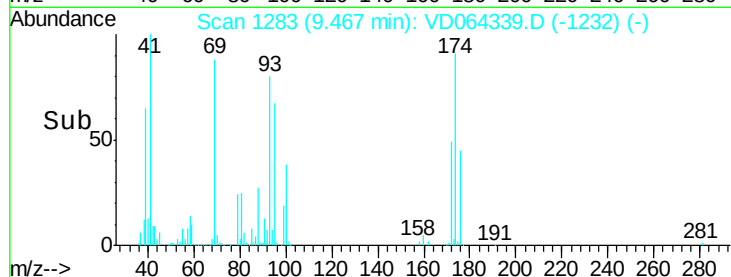
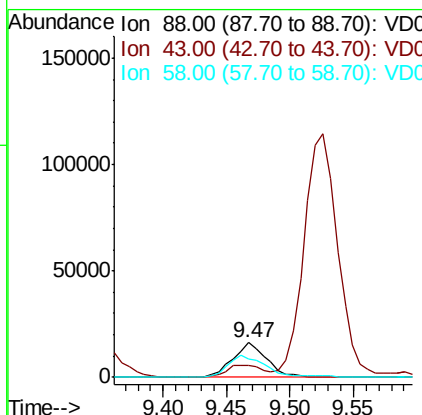
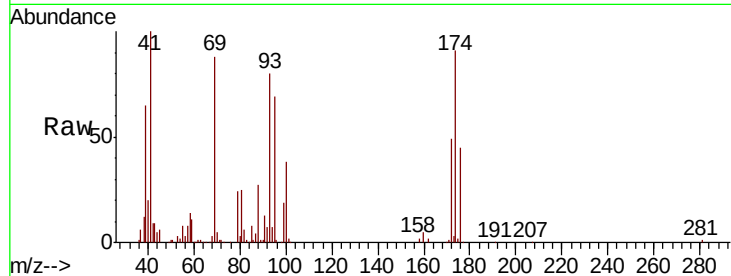
#49
1,4-Dioxane
Concen: 918.028 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	29.8	44.8
58	71.0	58.1	87.1

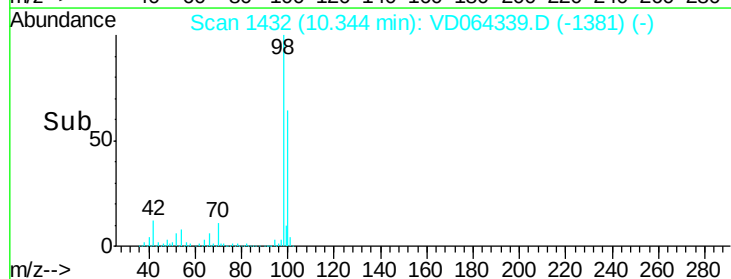
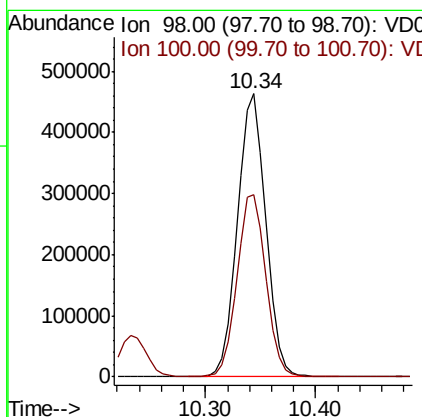
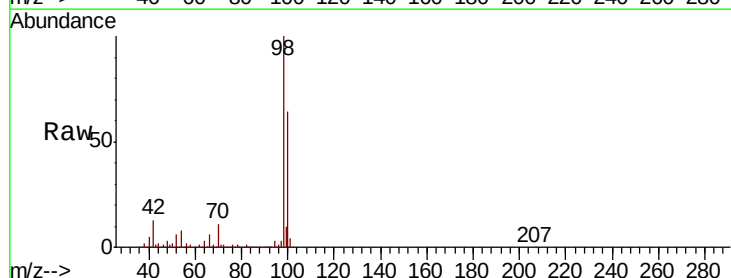
Manual Integrations
APPROVED

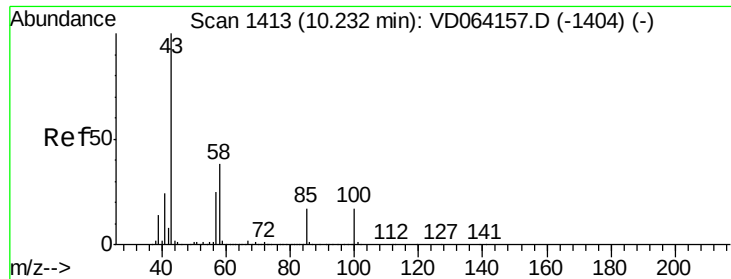
MMDadoda
11/26/2019 1:34:39 AM



#50
Toluene-d8
Concen: 46.026 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.6	78.8





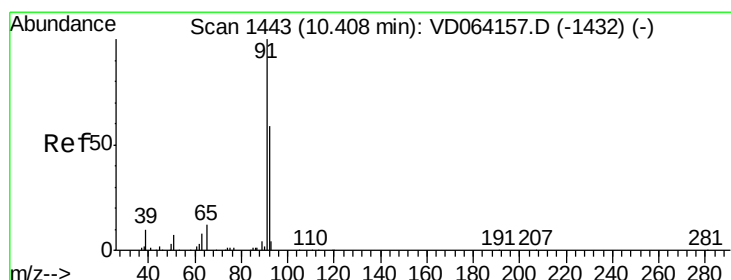
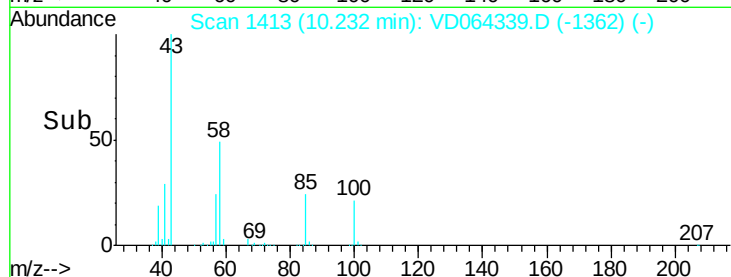
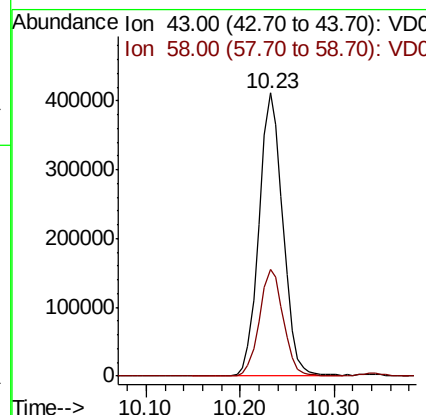
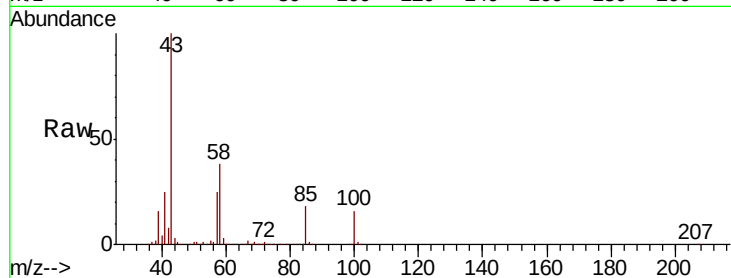
#51
4-Methyl-2-Pentanone
Concen: 223.411 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.2	45.4

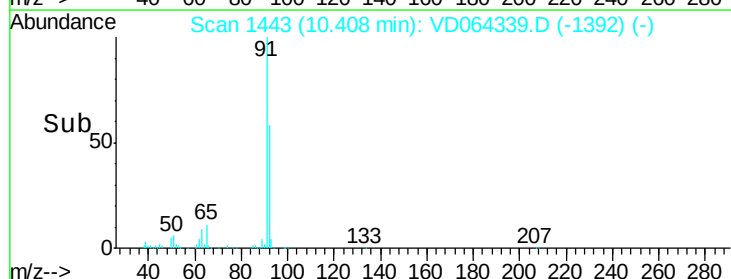
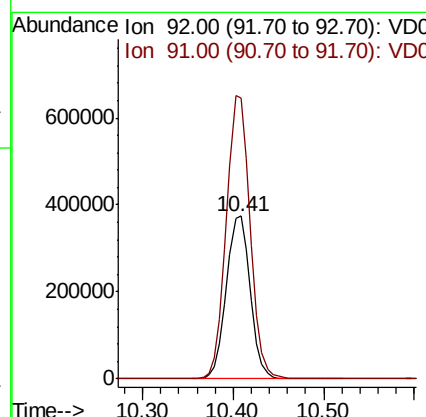
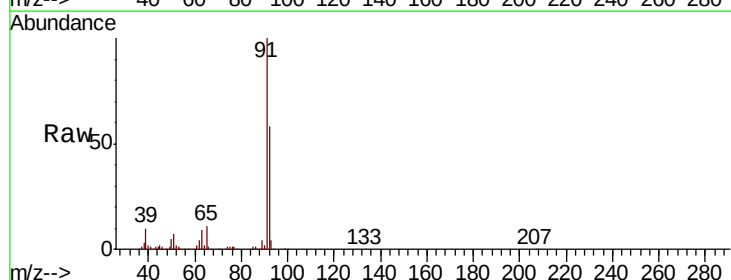
Manual Integrations
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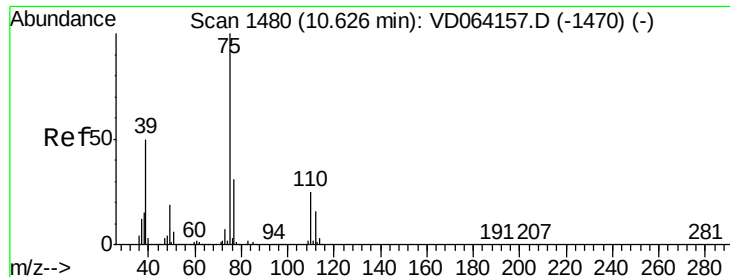
MMDadoda
11/26/2019 1:34:39 AM



#52
Toluene
Concen: 49.232 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.7	136.4	204.6





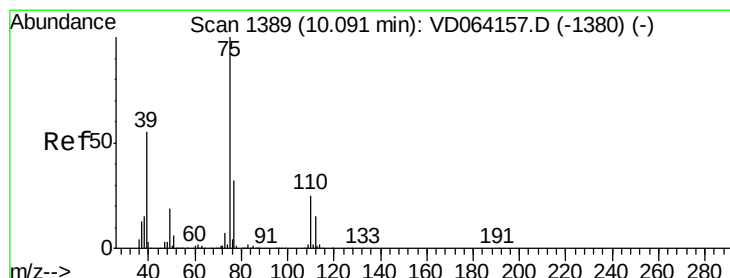
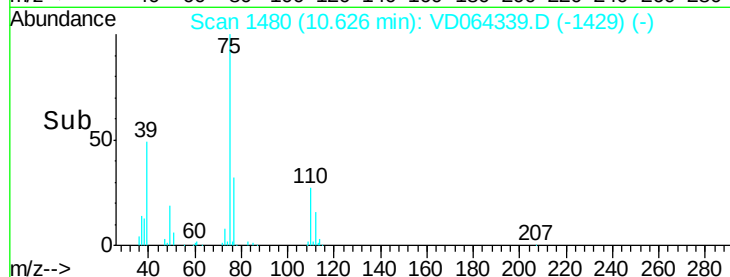
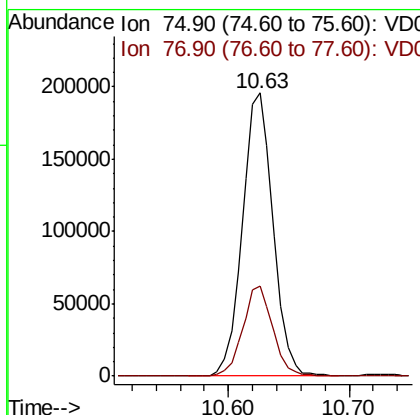
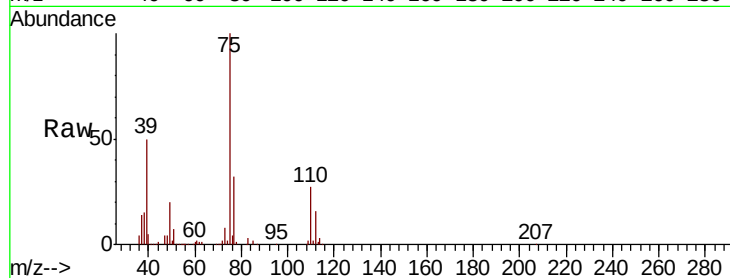
#53
t-1,3-Dichloropropene
Concen: 46.293 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.7	37.1

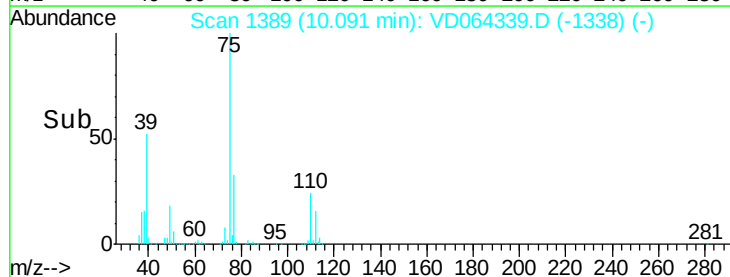
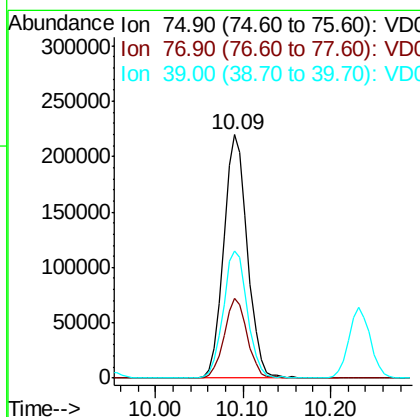
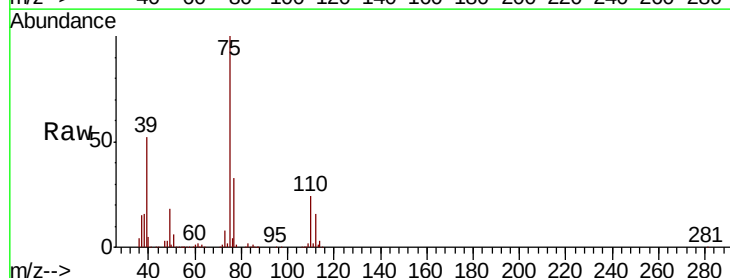
Manual Integrations
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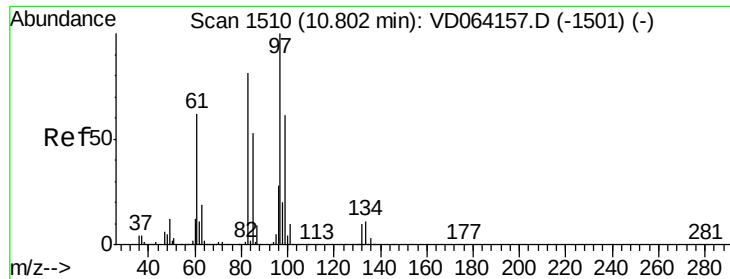
MMDadoda
11/26/2019 1:34:39 AM



#54
cis-1,3-Dichloropropene
Concen: 46.907 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.2	37.8
39	52.2	44.2	66.2





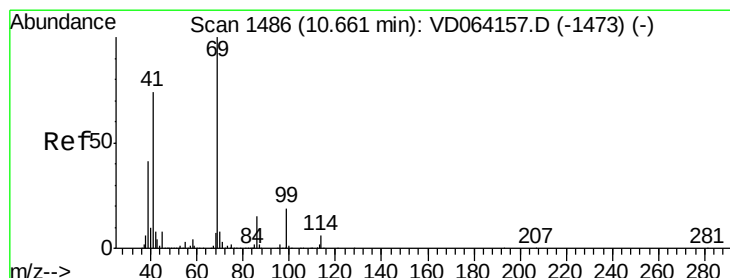
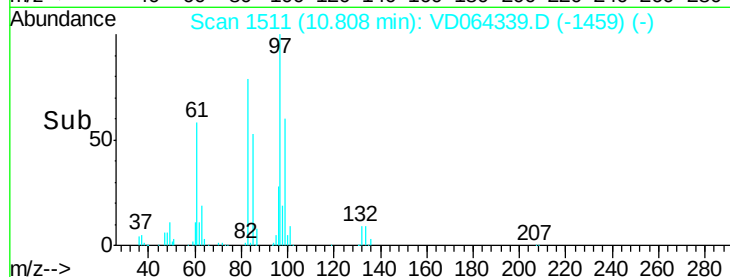
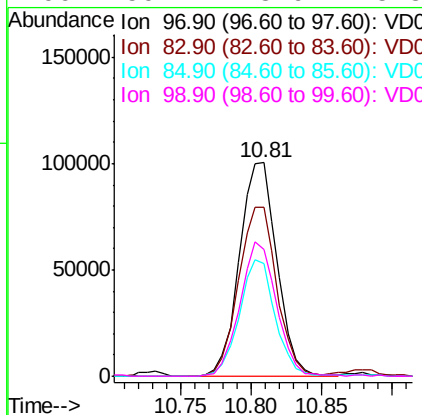
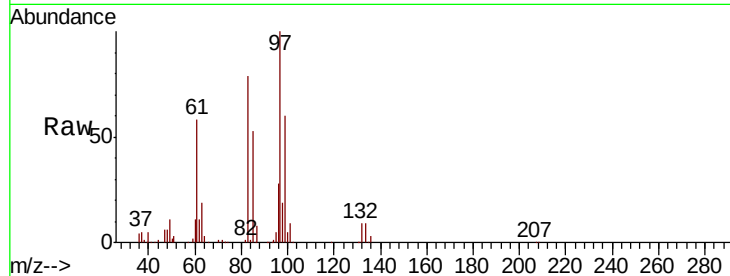
#55
 1,1,2-Trichloroethane
 Concen: 49.459 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	185653
Ion	Ratio	Lower	Upper
97	100		
83	79.4	65.1	97.7
85	53.0	42.0	63.0
99	59.7	48.9	73.3

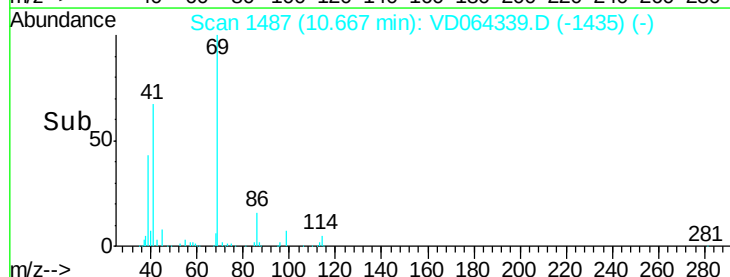
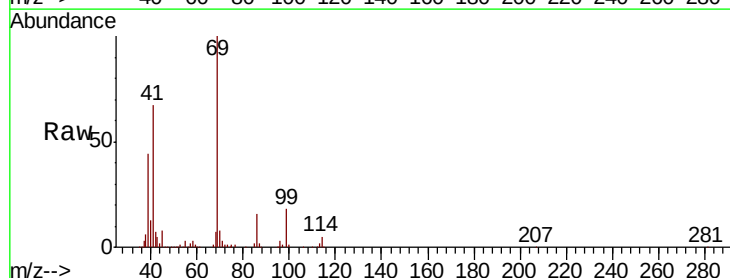
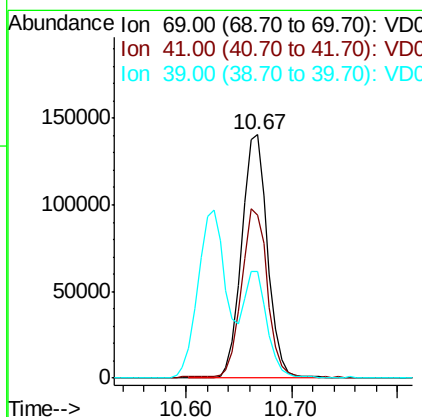
Manual Integrations
 APPROVED

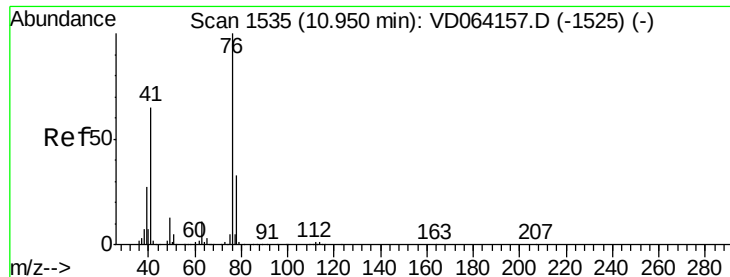
MMDadoda
 11/26/2019 1:34:39 AM



#56
 Ethyl methacrylate
 Concen: 45.404 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion:	69	Resp:	238412
Ion	Ratio	Lower	Upper
69	100		
41	68.7	57.9	86.9
39	38.0	29.0	43.4





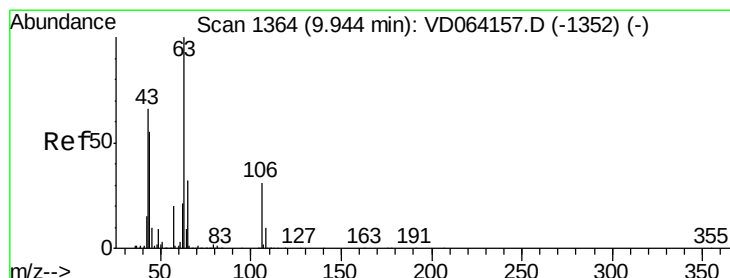
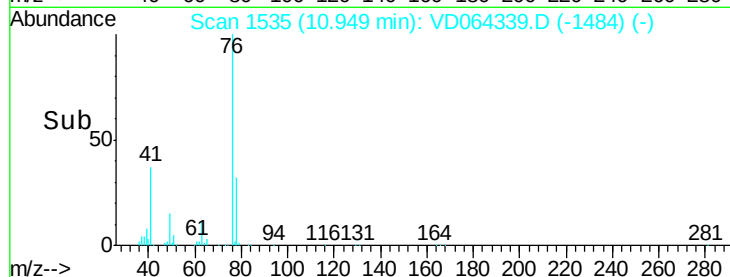
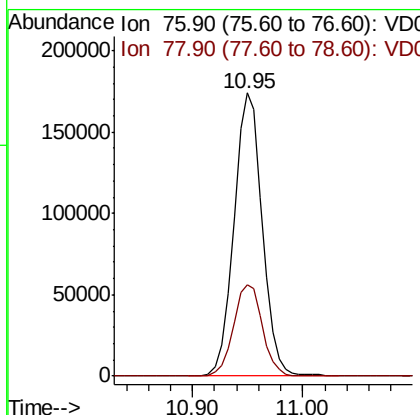
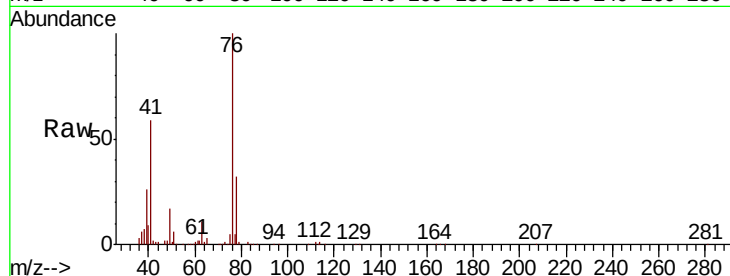
#57
 1,3-Dichloropropane
 Concen: 47.671 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 312074
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.2 39.4

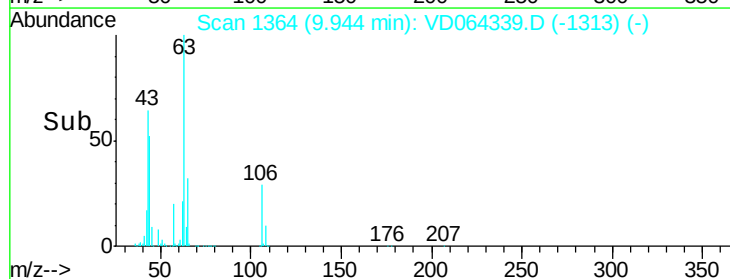
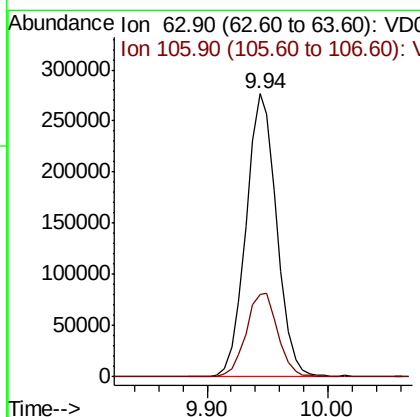
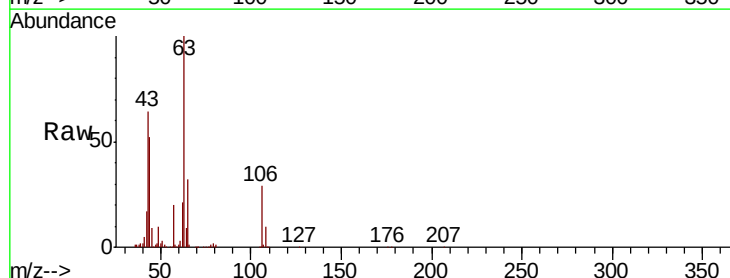
Manual Integrations
 APPROVED

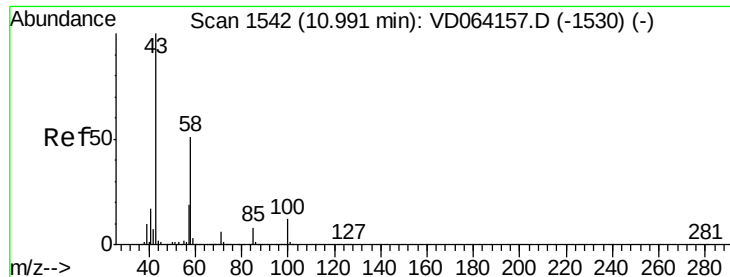
MMDadoda
 11/26/2019 1:34:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.681 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion: 63 Resp: 488536
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.1 36.1





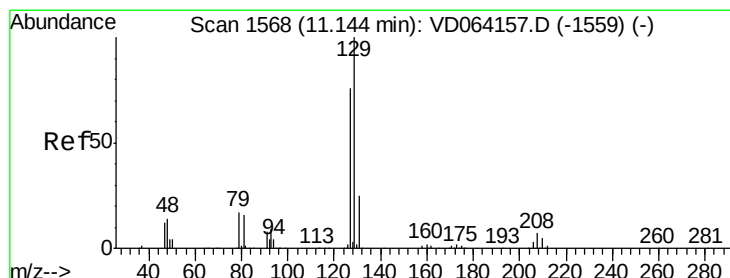
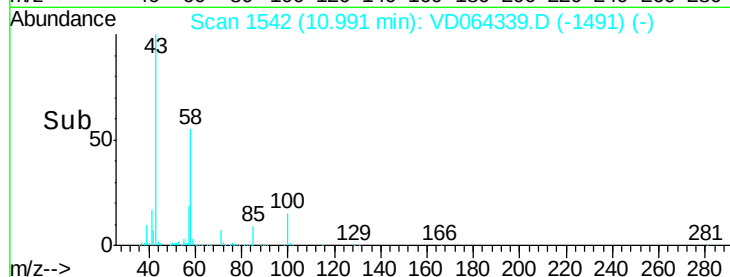
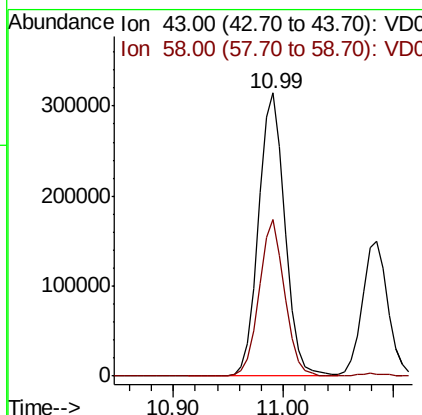
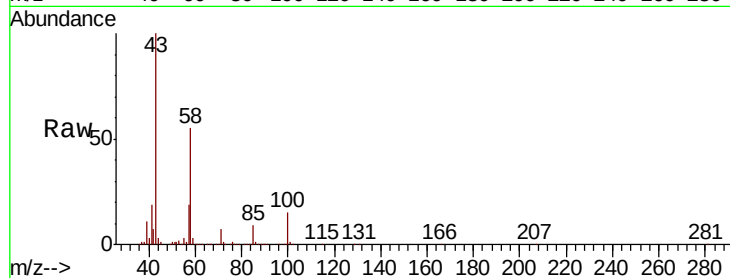
#59
2-Hexanone
Concen: 229.477 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	25.9	77.7

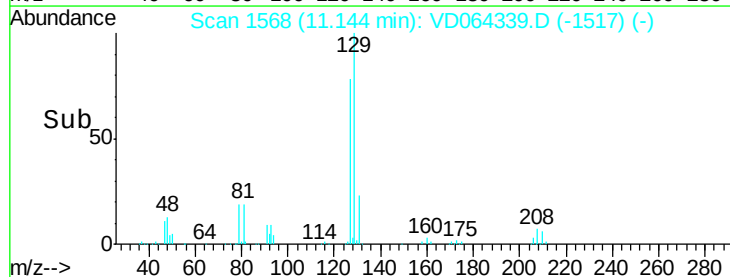
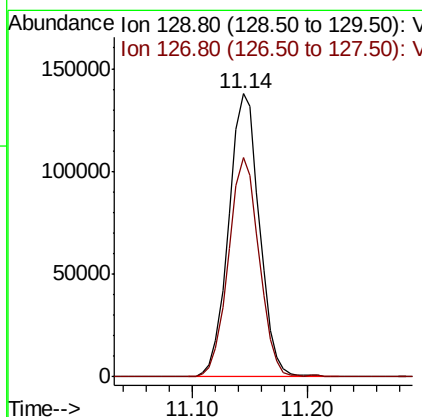
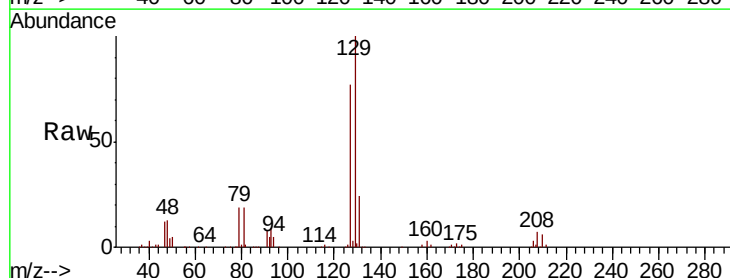
Manual Integrations
APPROVED

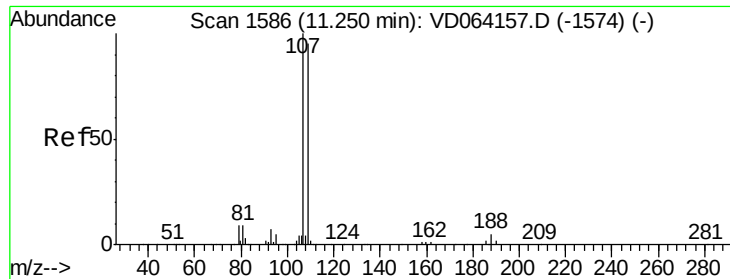
MMDadoda
11/26/2019 1:34:39 AM



#60
Dibromochloromethane
Concen: 48.521 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8





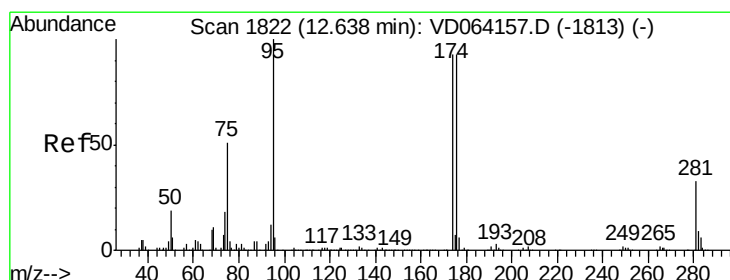
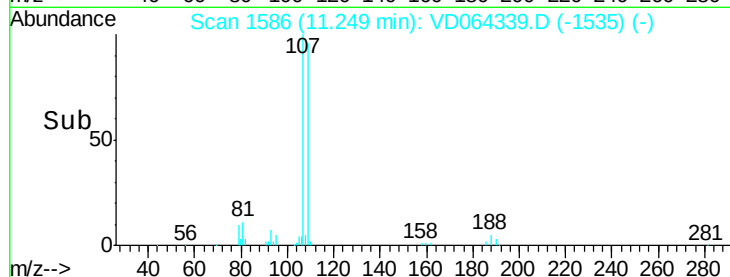
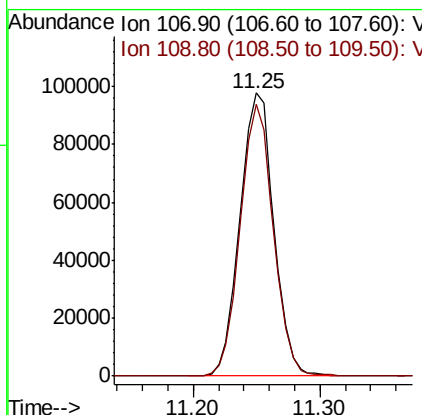
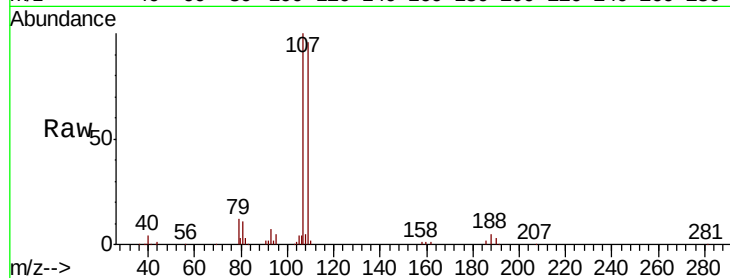
#61
 1,2-Dibromoethane
 Concen: 48.184 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.1	112.7

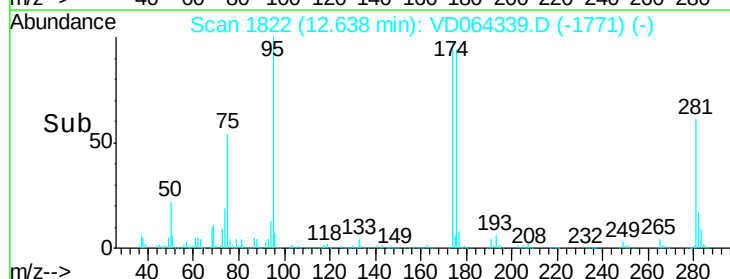
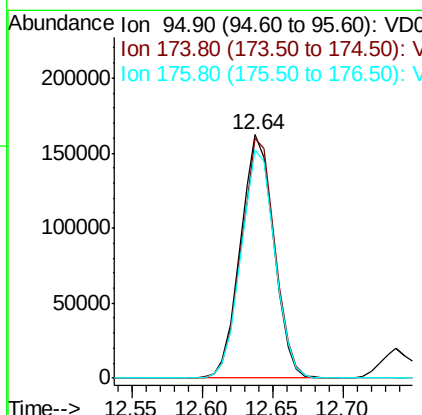
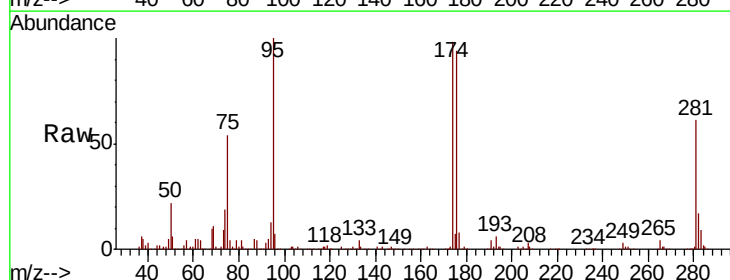
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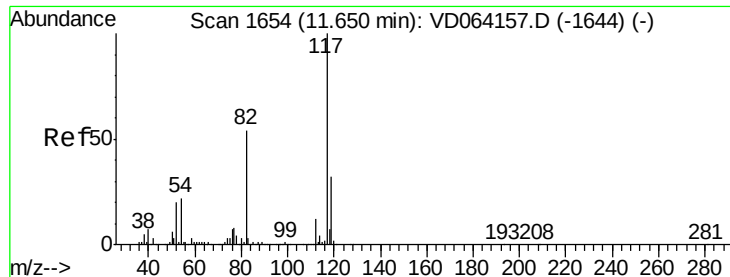
MMDadoda
 11/26/2019 1:34:39 AM



#62
 4-Bromofluorobenzene
 Concen: 42.449 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.2	0.0	183.6
176	95.0	0.0	180.2





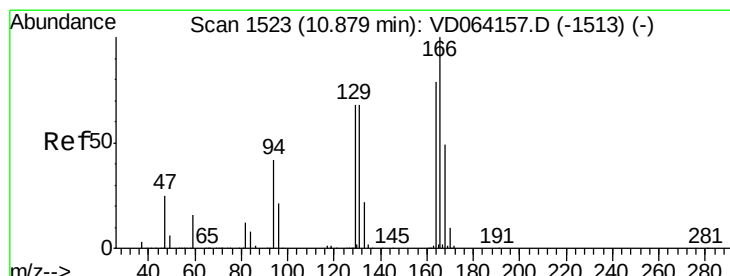
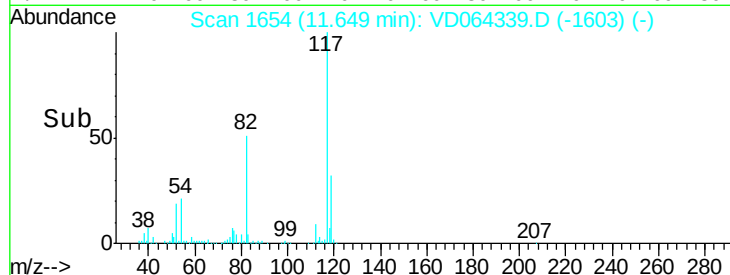
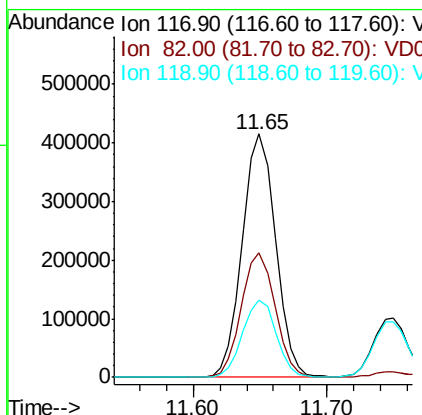
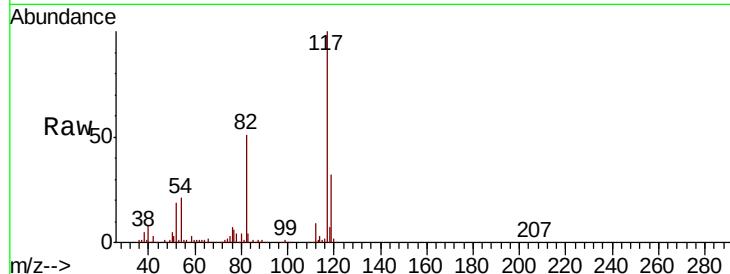
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.8	64.2
119	31.8	25.6	38.4

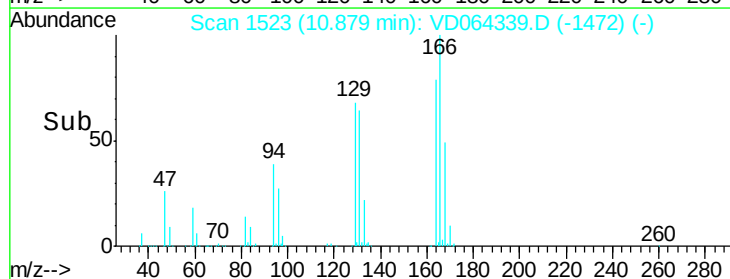
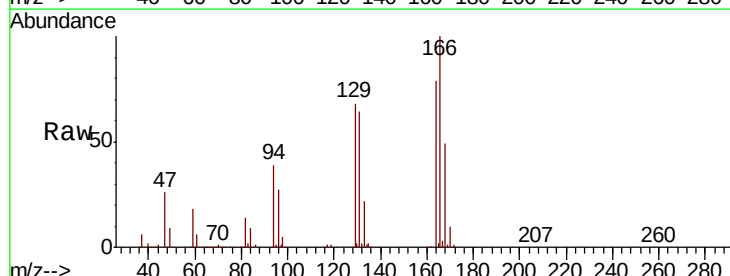
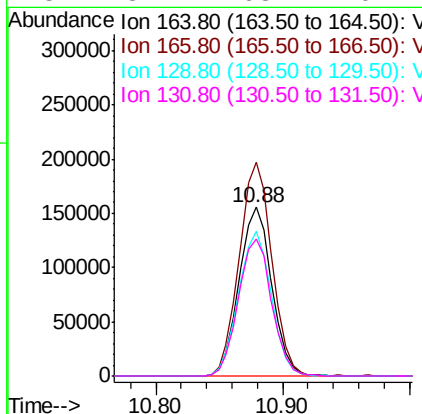
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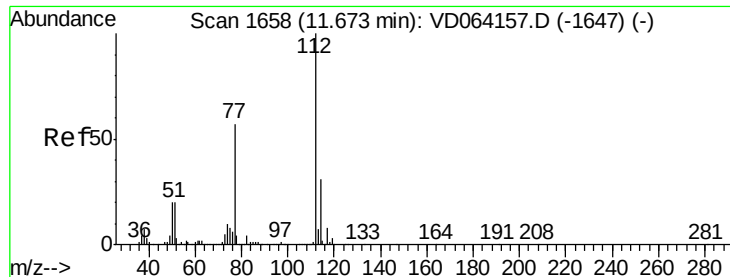
MMDadoda
11/26/2019 1:34:39 AM



#64
Tetrachloroethene
Concen: 50.437 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	100.8	151.2
129	85.9	68.7	103.1
131	81.2	68.1	102.1





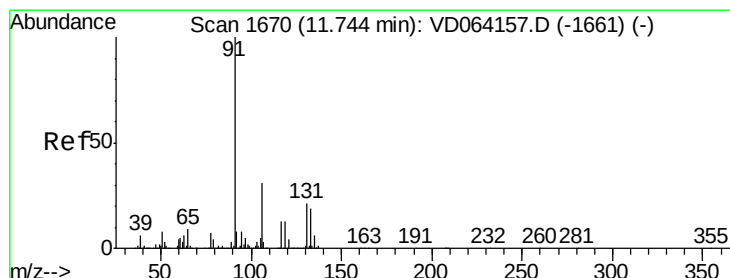
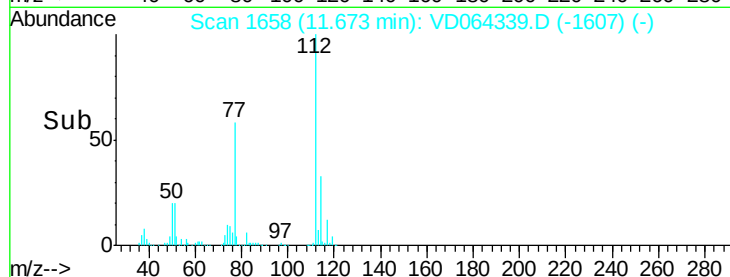
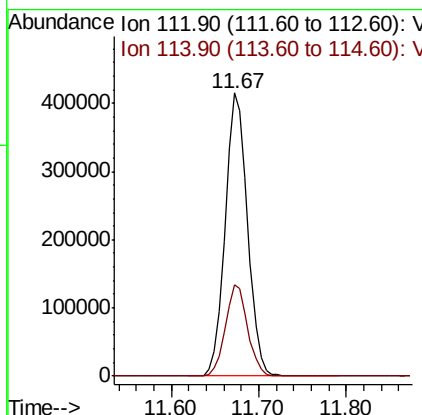
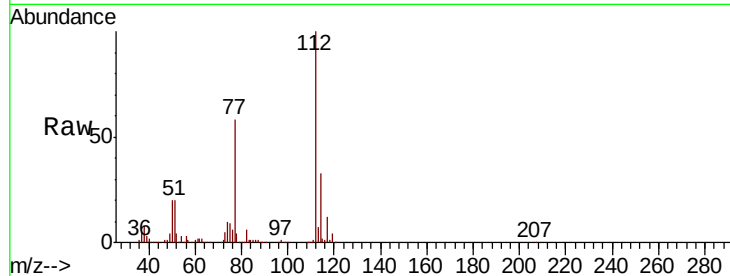
#65
Chlorobenzene
Concen: 49.524 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 724648
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8

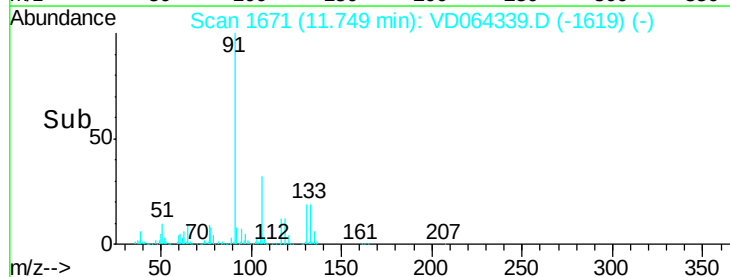
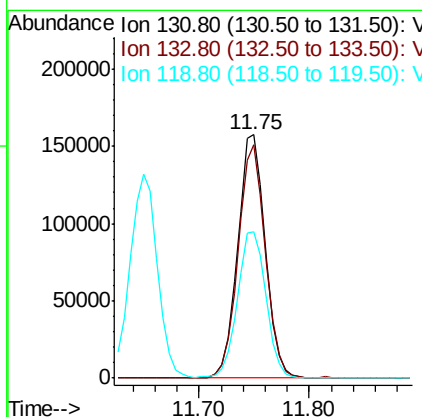
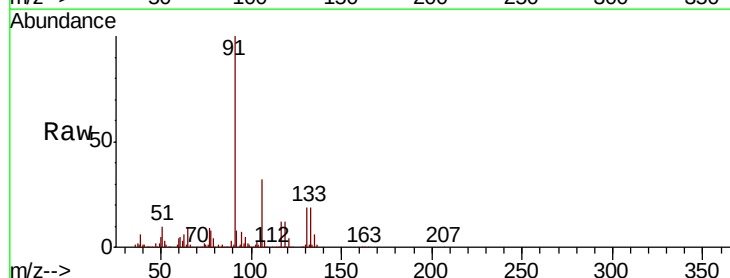
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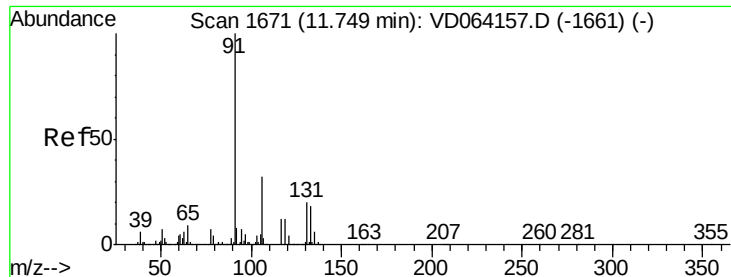
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.668 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion:131 Resp: 276343
Ion Ratio Lower Upper
131 100
133 94.7 47.3 141.9
119 62.6 31.1 93.3





#67

Ethyl Benzene

Concen: 50.191 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1328423

Ion Ratio Lower Upper

91 100

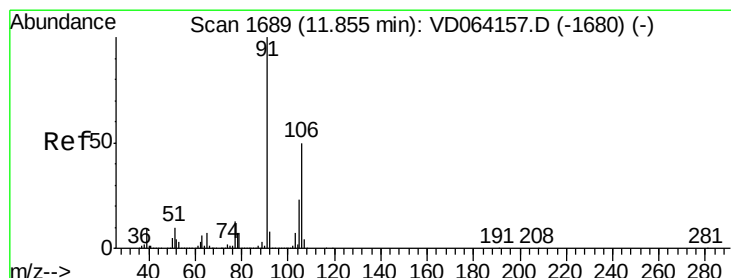
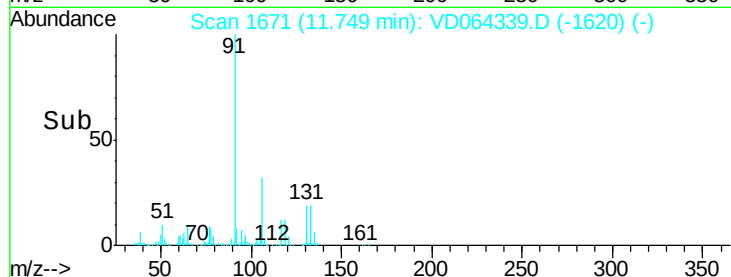
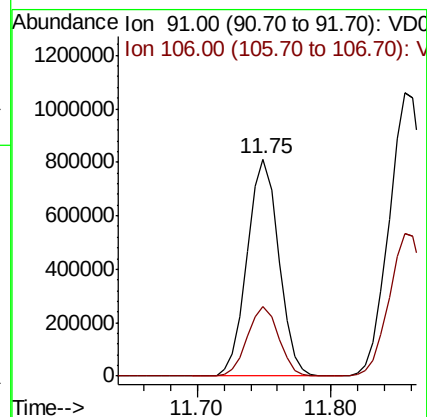
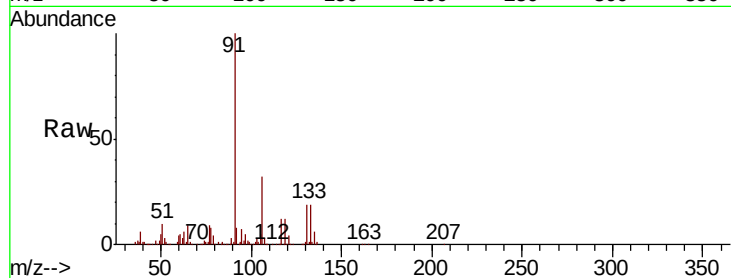
106 32.1 25.5 38.3

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#68

m/p-Xylenes

Concen: 101.083 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064339.D

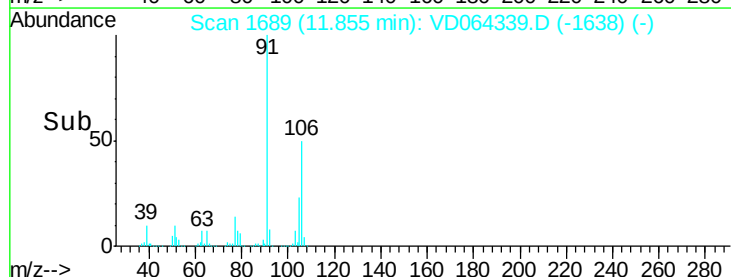
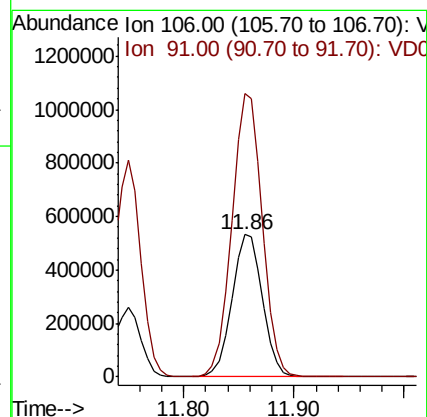
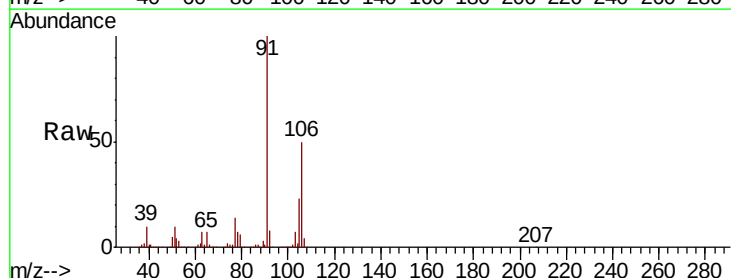
Acq: 22 Nov 2019 11:00

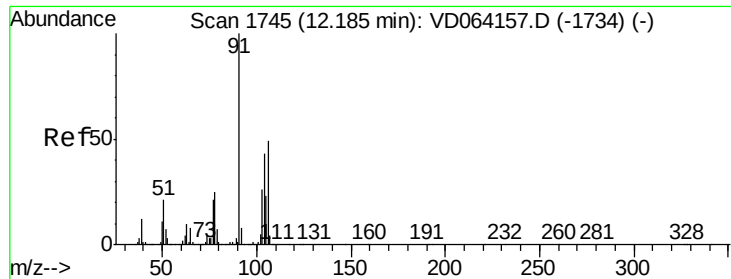
Tgt Ion: 106 Resp: 1025483

Ion Ratio Lower Upper

106 100

91 199.1 160.3 240.5





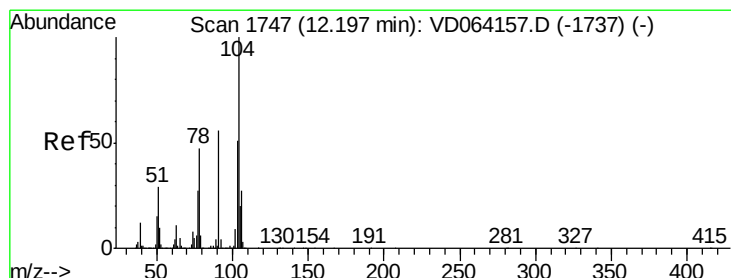
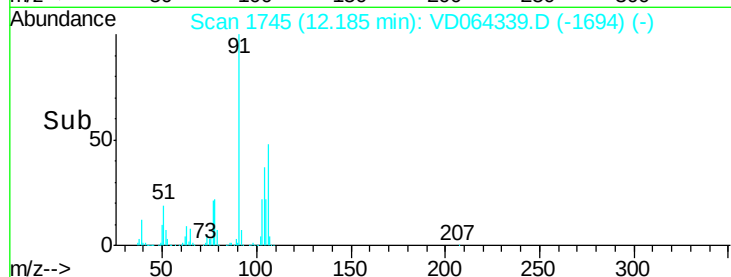
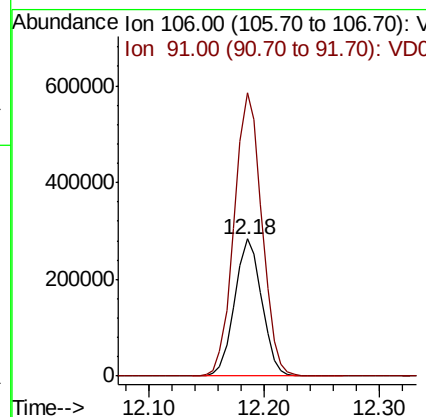
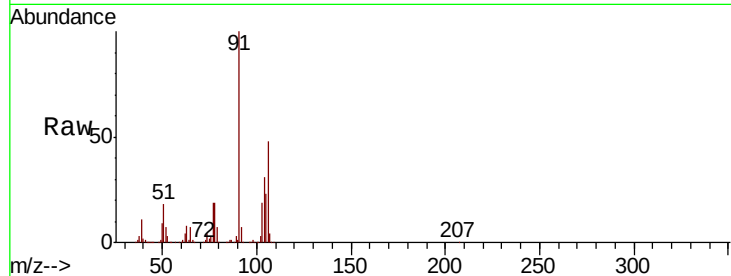
#69
o-Xylene
Concen: 49.258 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.3	105.1	315.3

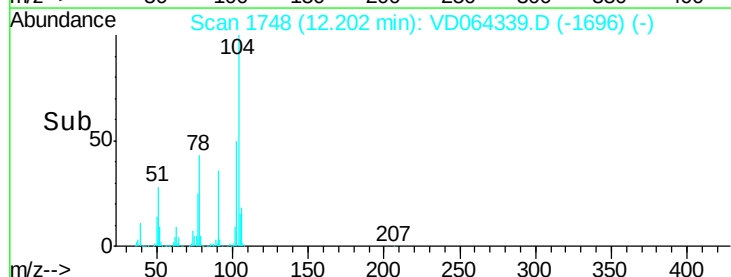
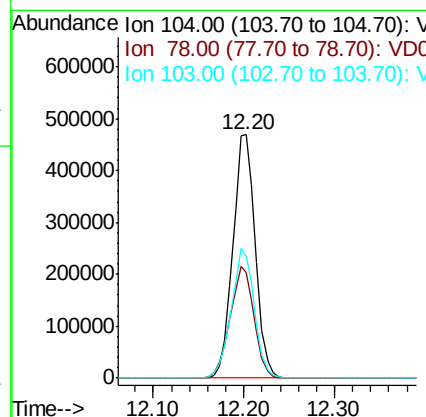
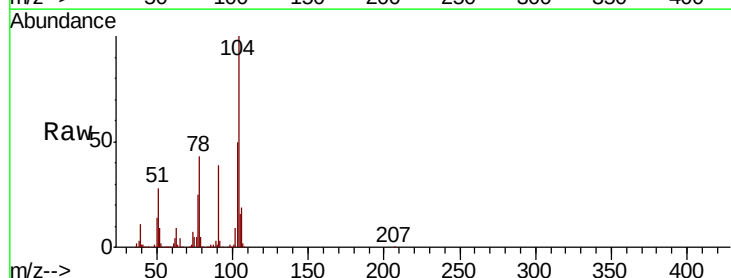
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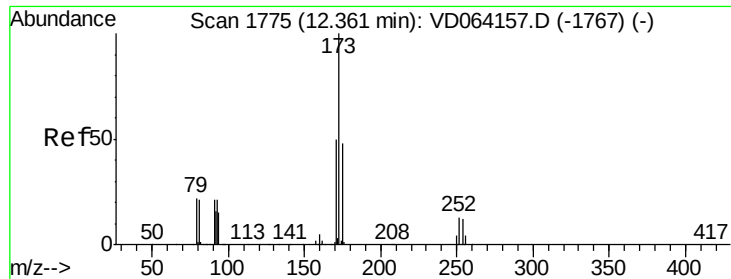
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#70
Styrene
Concen: 49.154 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.9	59.9
103	54.6	43.4	65.0





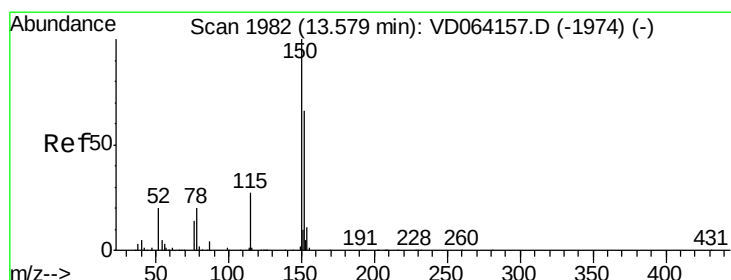
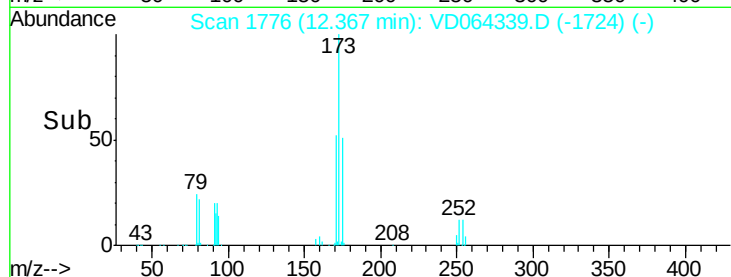
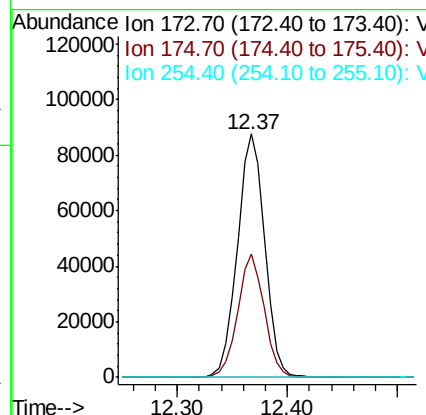
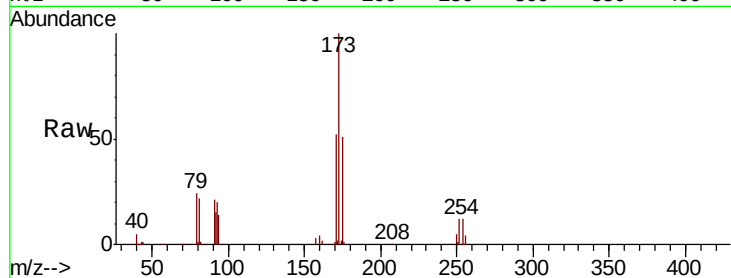
#71
Bromoform
Concen: 48.080 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.3
254	0.0	0.2	0.2

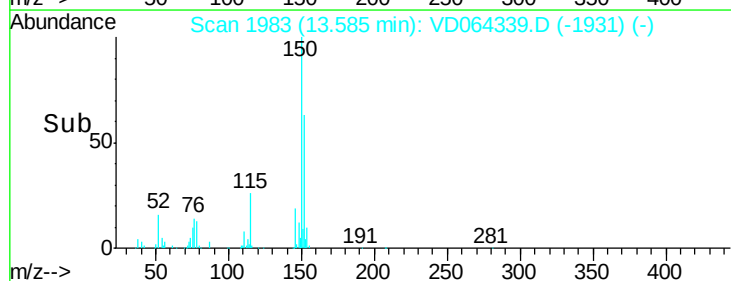
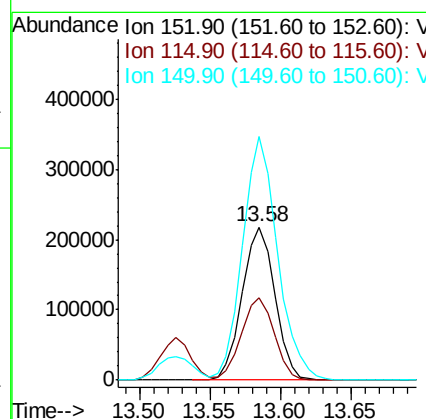
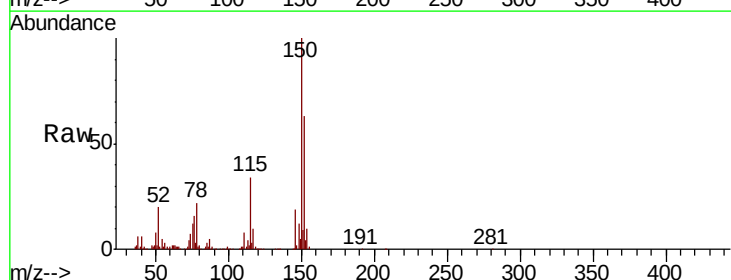
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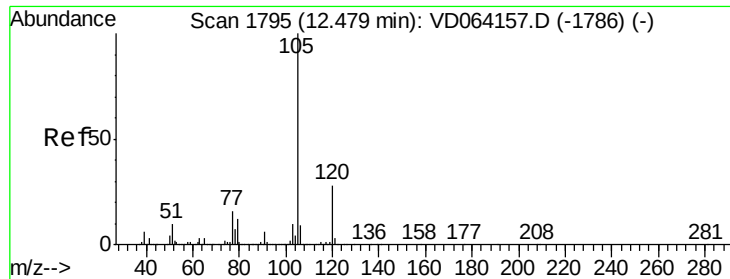
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.4	82.2
150	170.3	0.0	351.6





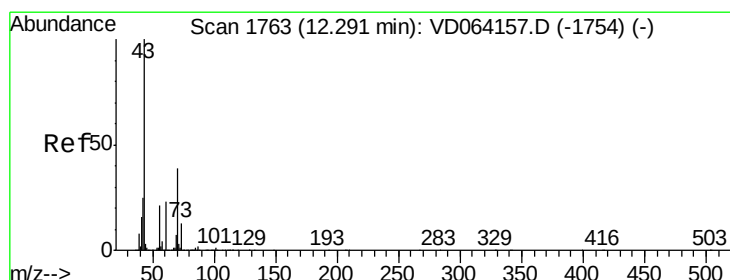
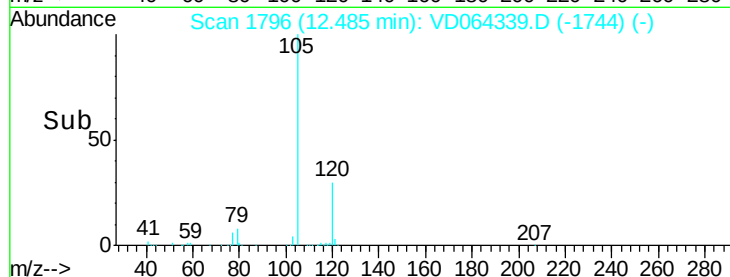
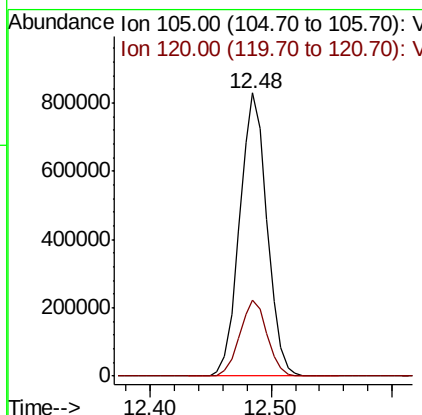
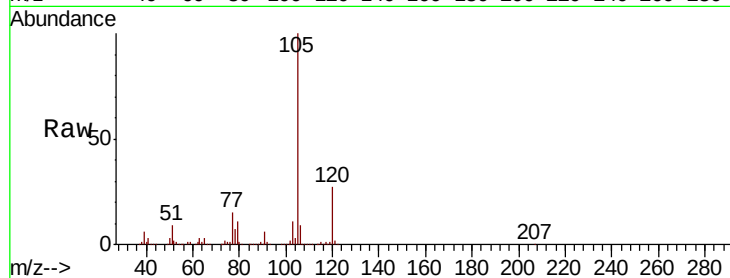
#73
Isopropylbenzene
Concen: 50.546 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1313820
Ion Ratio Lower Upper
105 100
120 26.8 13.6 40.8

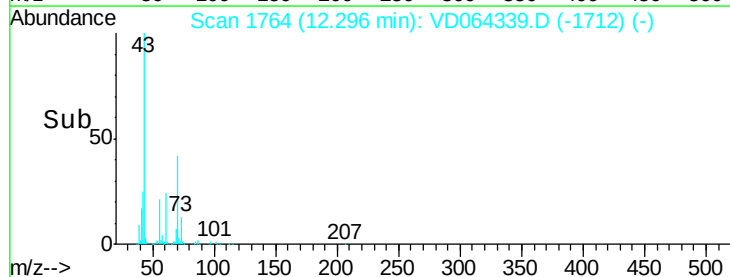
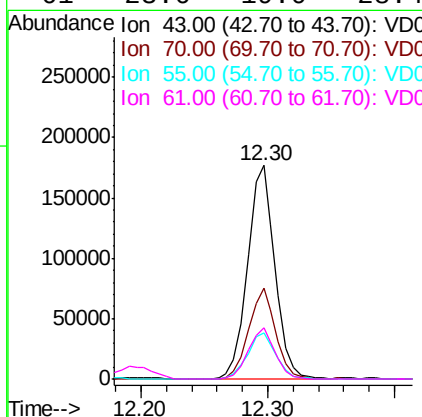
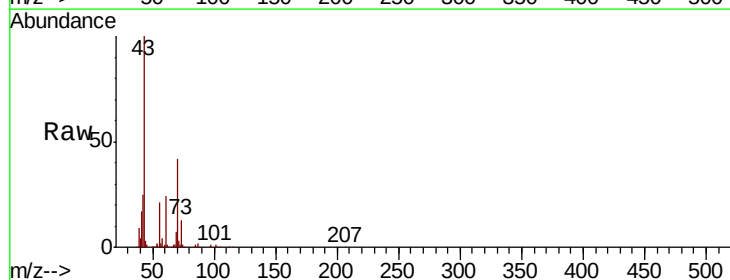
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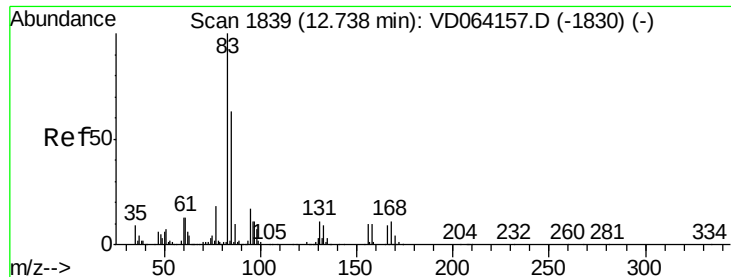
MMDadoda
11/26/2019 1:34:39 AM



#74
N-ethyl acetate
Concen: 43.172 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 43 Resp: 264994
Ion Ratio Lower Upper
43 100
70 41.7 32.4 48.6
55 22.6 17.9 26.9
61 23.6 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.502 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

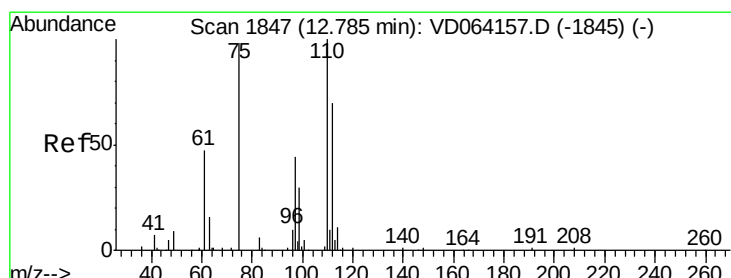
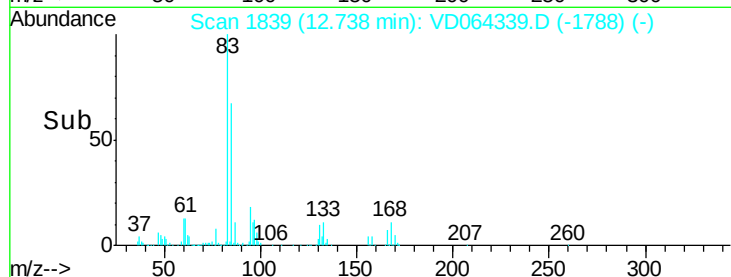
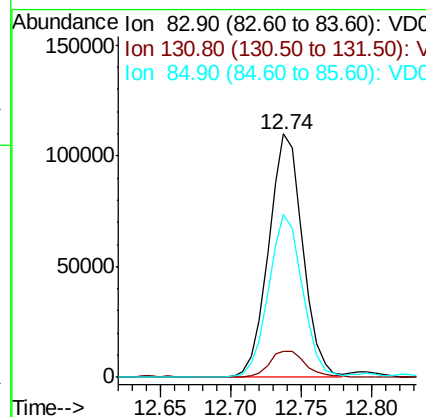
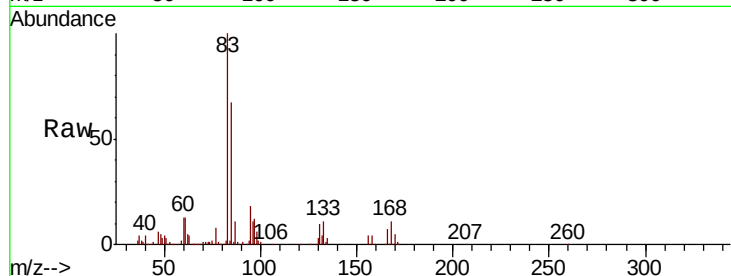
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	186048
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.9	17.7
85	66.4	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 55.694 ug/l m

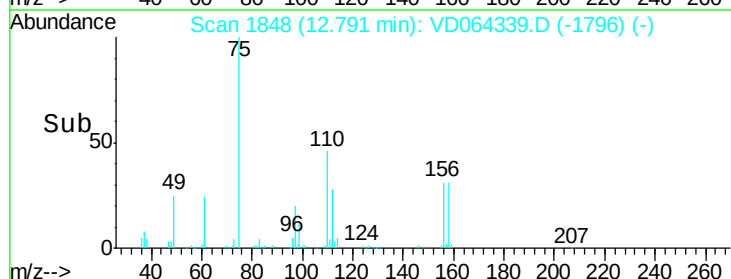
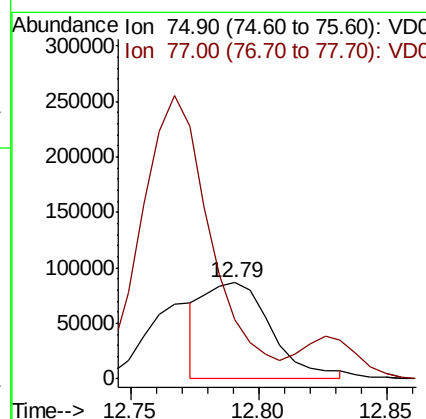
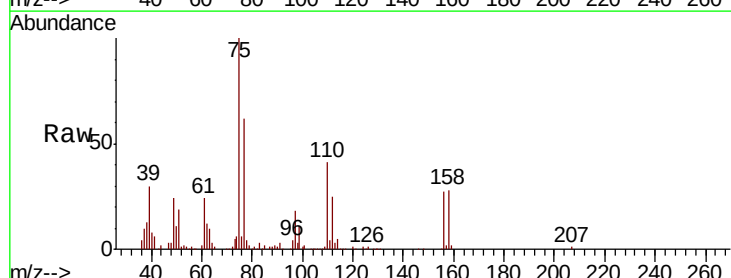
RT: 12.79 min Scan# 1848

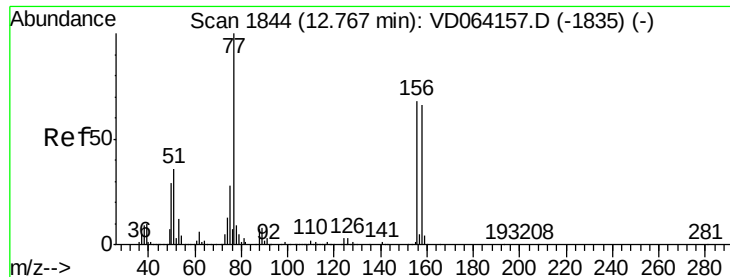
Delta R.T. 0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Tgt Ion:	75	Resp:	158859
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.374 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

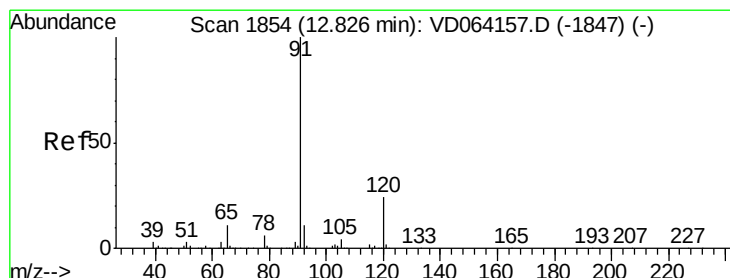
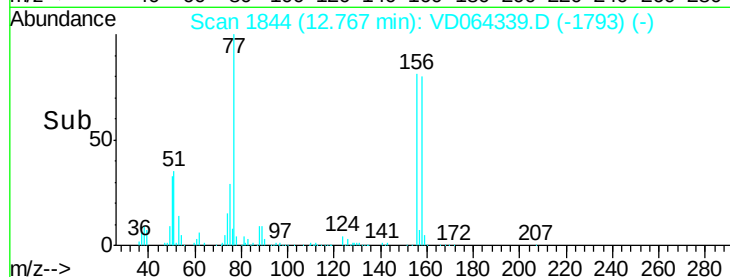
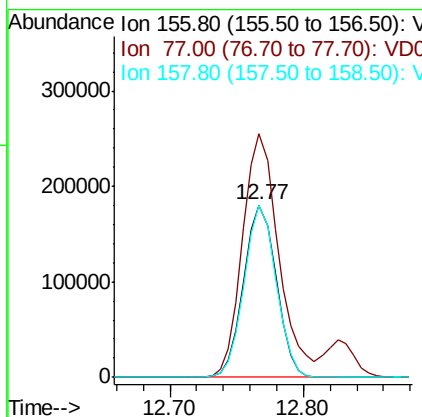
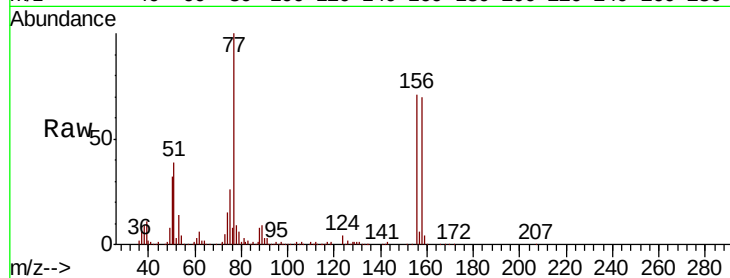
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	305470
Ion	Ratio	Lower	Upper
156	100		
77	156.6	81.2	243.4
158	97.8	48.4	145.2

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#78

n-propylbenzene

Concen: 50.493 ug/l

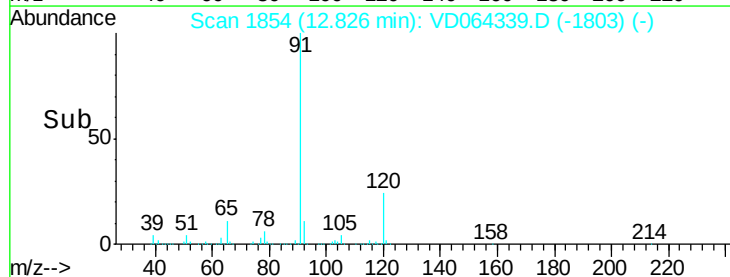
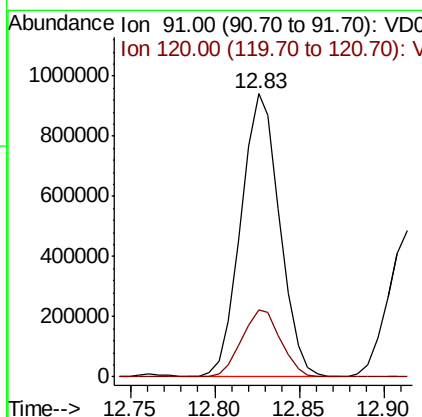
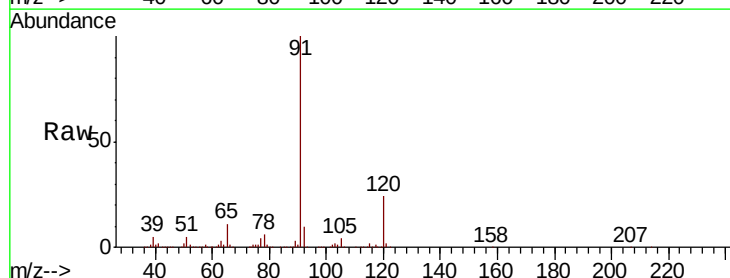
RT: 12.83 min Scan# 1854

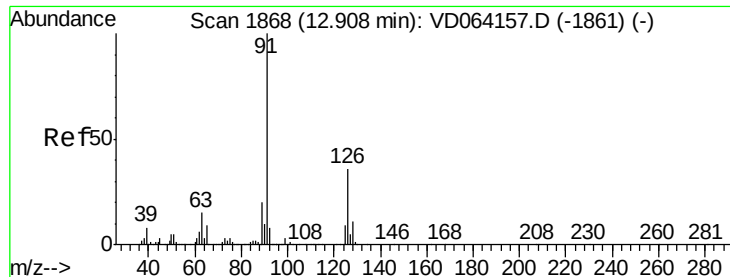
Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Tgt Ion:	91	Resp:	1499487
Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.8	35.4





#79

2-Chlorotoluene

Concen: 48.336 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 810418

Ion Ratio Lower Upper

91 100

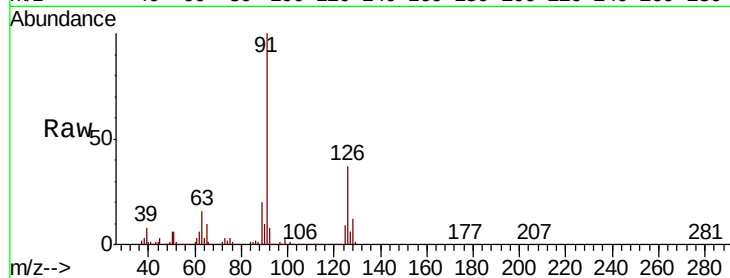
126 36.2 17.7 53.1

Manual Integrations

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MMDadoda

11/26/2019 1:34:39 AM



Abundance Ion 91.00 (90.70 to 91.70): VD064157.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD064157.D (-1861) (-)

600000

500000

400000

300000

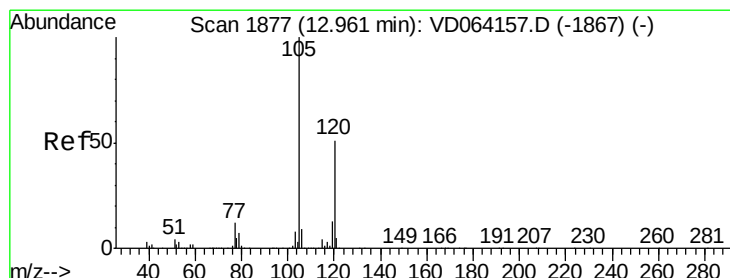
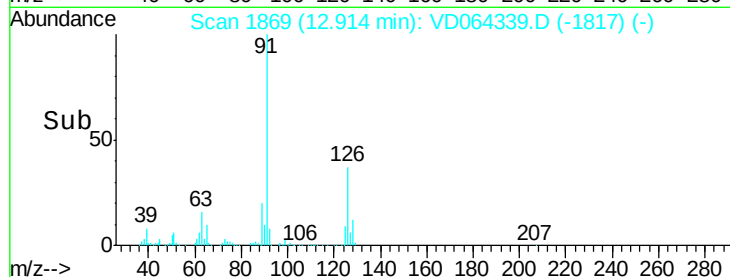
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.320 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064339.D

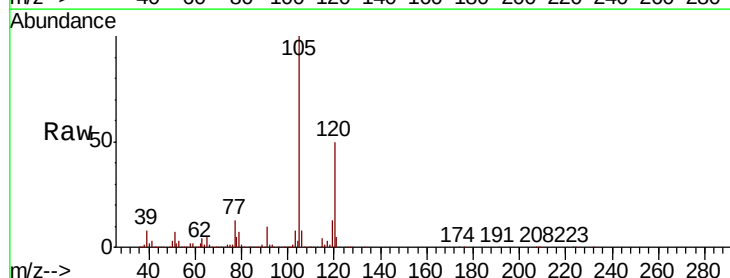
Acq: 22 Nov 2019 11:00

Tgt Ion: 105 Resp: 1053376

Ion Ratio Lower Upper

105 100

120 50.7 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD064157.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD064157.D (-1867) (-)

800000

600000

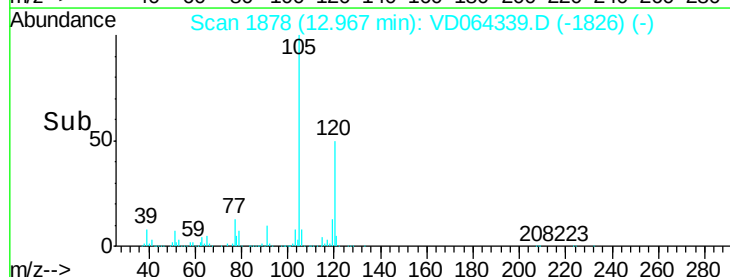
400000

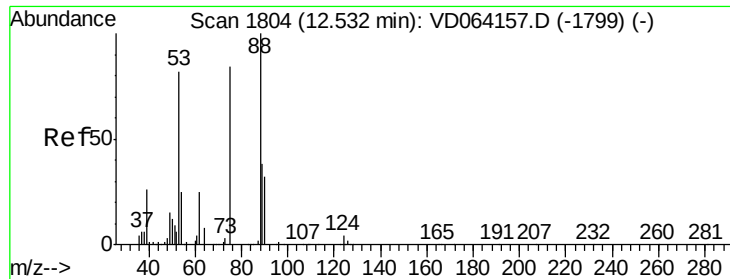
200000

0

12.90 12.97 13.00

Time-->





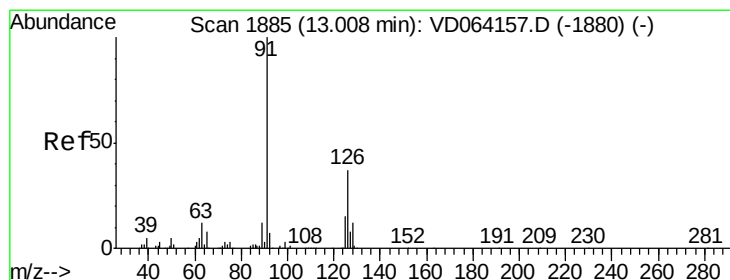
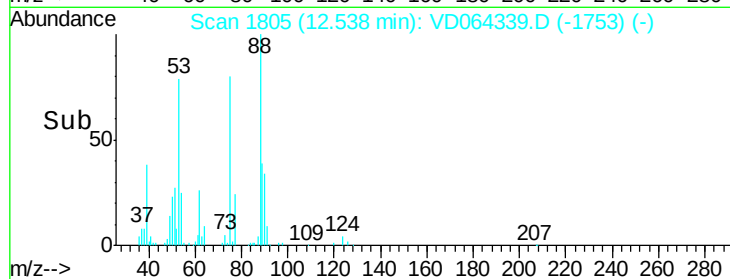
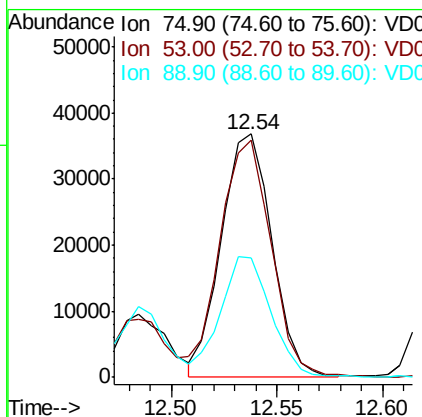
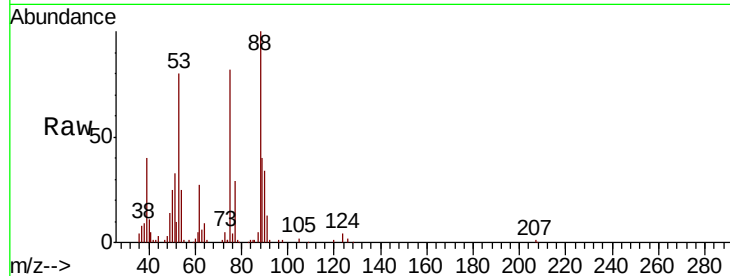
#81
trans-1,4-Dichloro-2-butene
Concen: 42.684 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	79.4	119.0
89	49.6	36.6	55.0

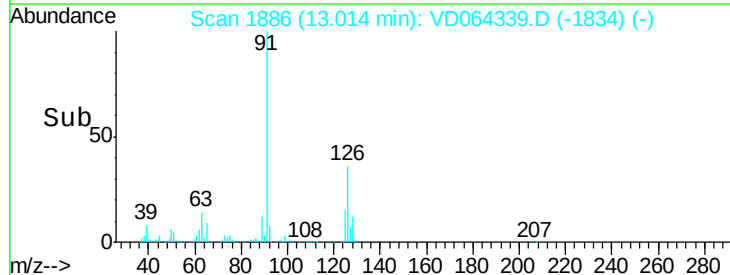
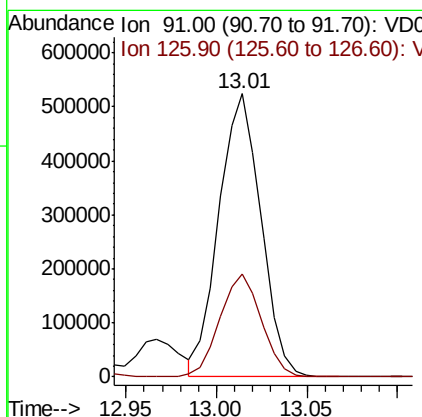
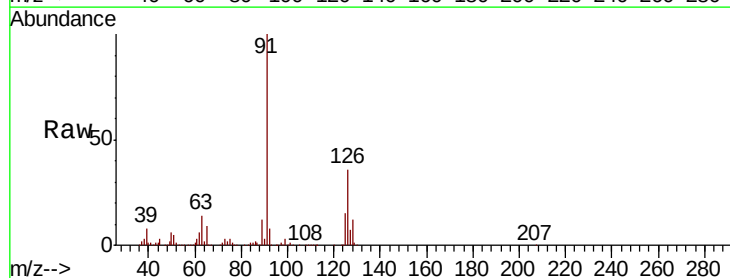
Manual Integrations
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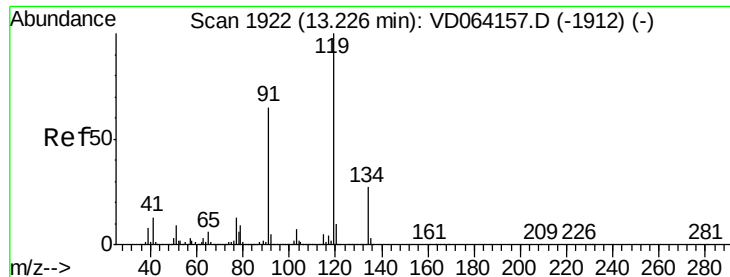
MMDadoda
11/26/2019 1:34:39 AM



#82
4-Chlorotoluene
Concen: 48.243 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.8	53.4





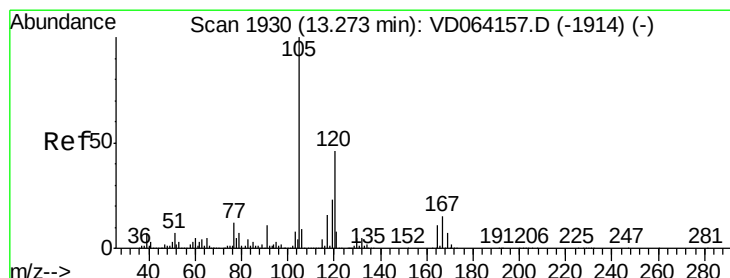
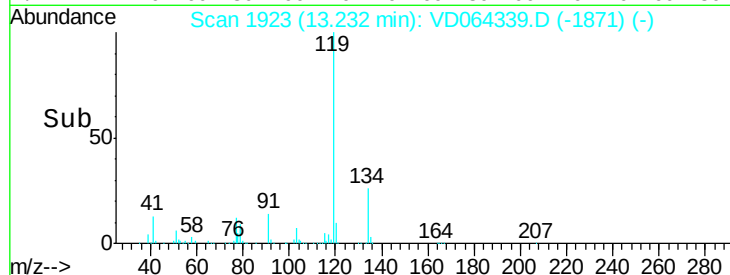
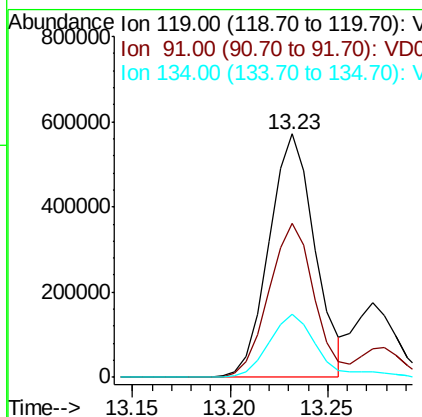
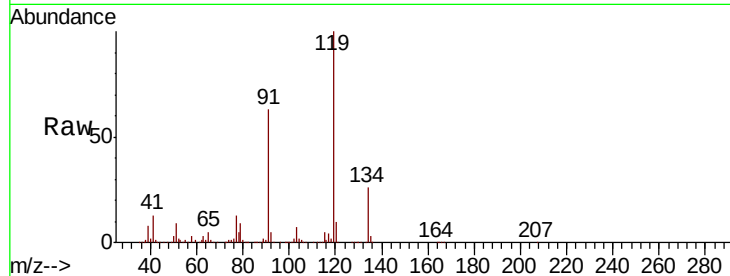
#83
tert-Butylbenzene
Concen: 49.256 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.8	95.4
134	27.9	13.7	41.0

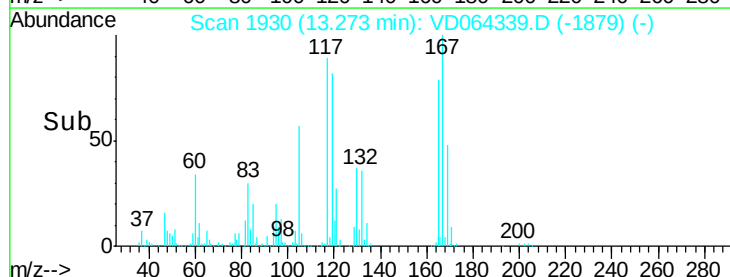
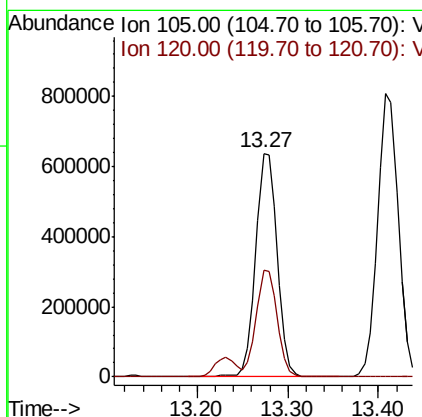
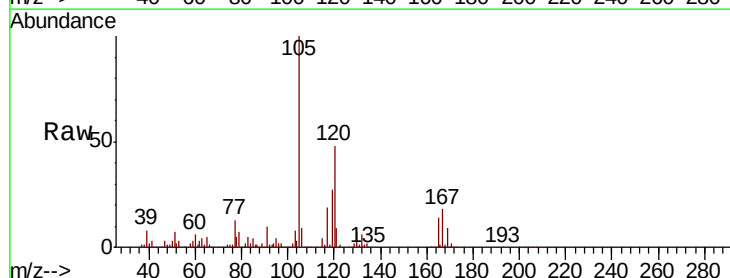
Manual Integrations
APPROVED

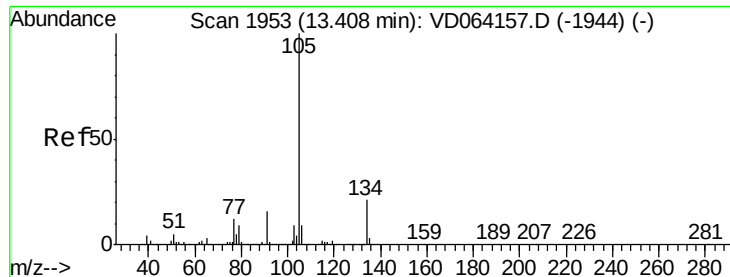
MMDadoda
11/26/2019 1:34:39 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.553 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.3	69.8





#85

sec-Butylbenzene

Concen: 50.539 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1278370

Ion Ratio Lower Upper

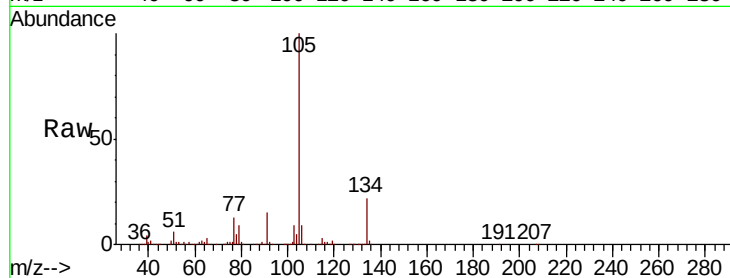
105 100

134 21.5 10.7 31.9

Manual Integrations
APPROVED

MMDadoda

11/26/2019 1:34:39 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

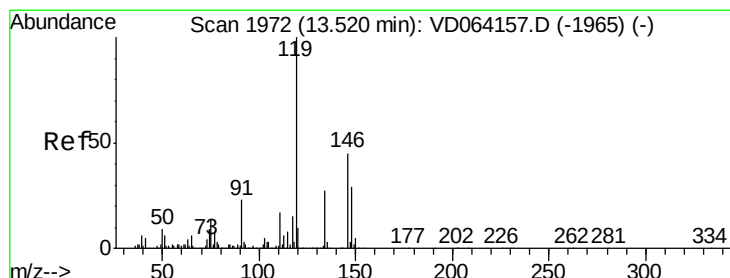
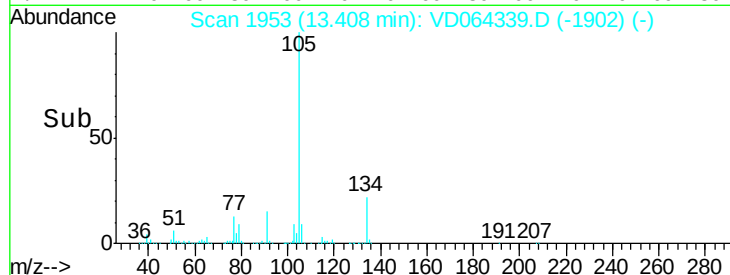
400000

200000

0

13.30 13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 50.563 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

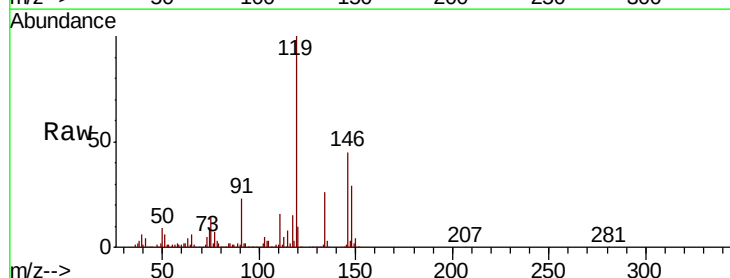
Tgt Ion:119 Resp: 1215927

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.1 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

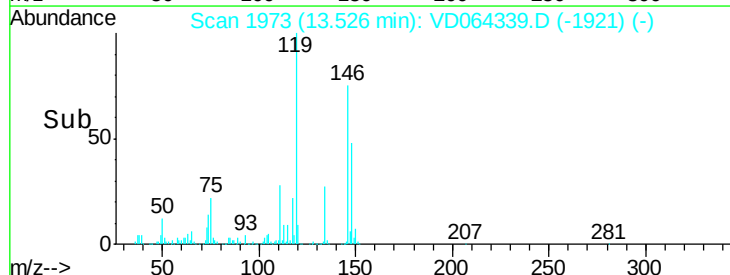
400000

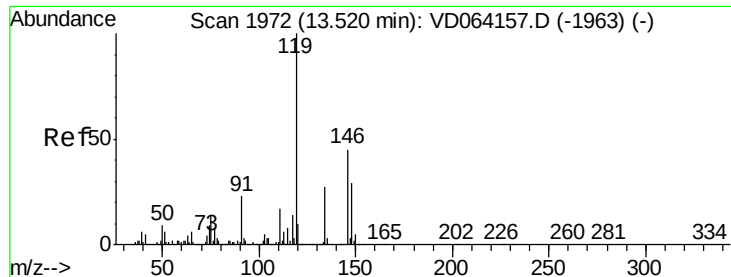
200000

0

13.45 13.50 13.55 13.60

Time-->





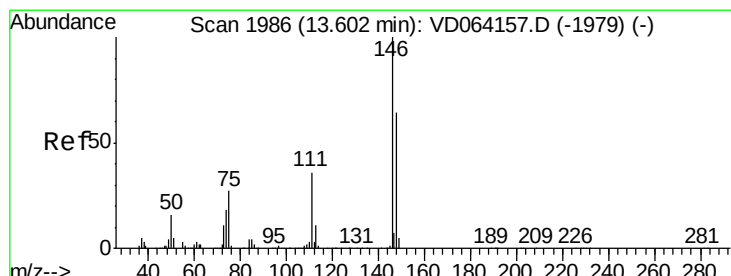
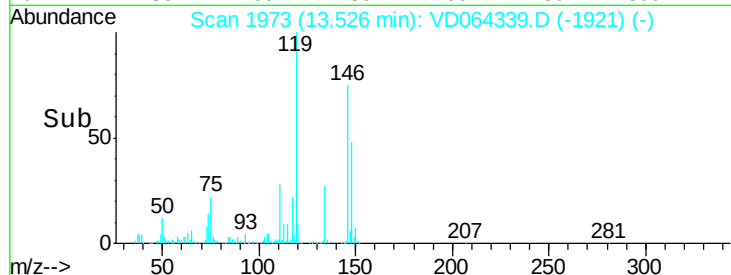
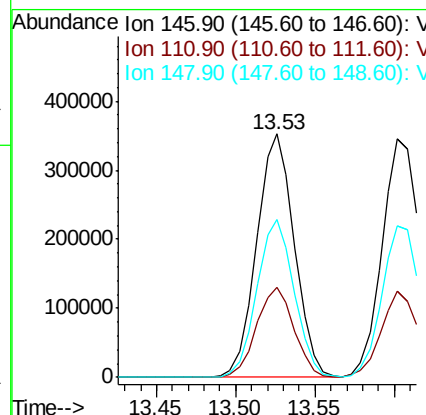
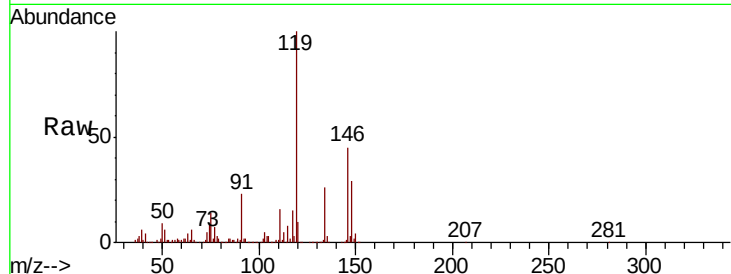
#87
 1,3-Dichlorobenzene
 Concen: 49.712 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.9
148	64.2	32.1	96.5

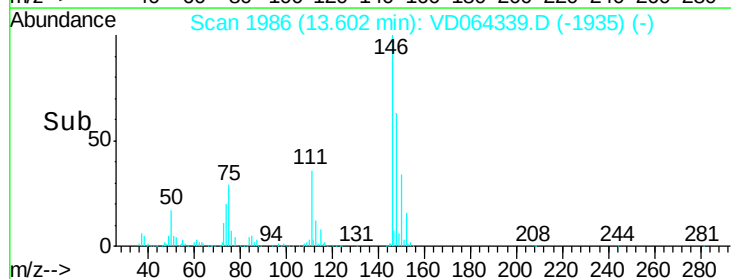
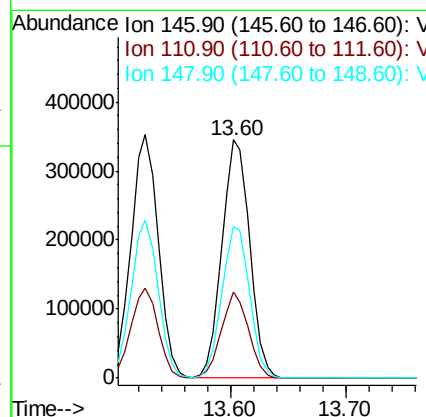
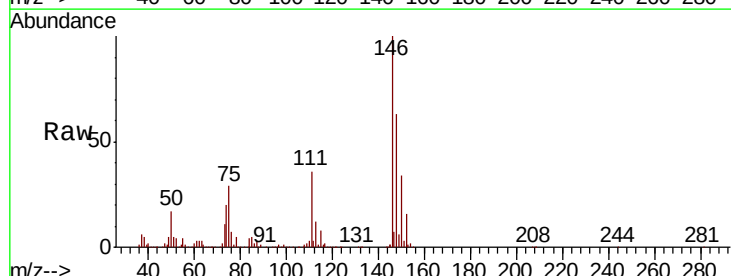
Manual Integrations
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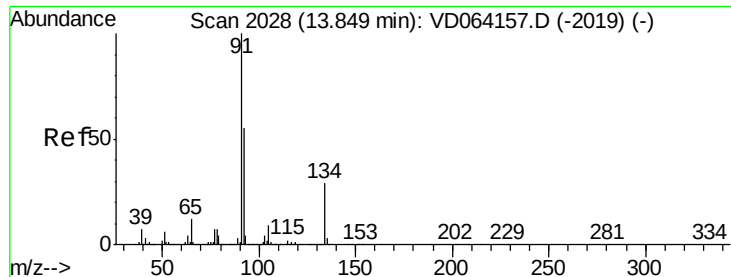
MMDadoda
 11/26/2019 1:34:39 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.242 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.1	54.4
148	63.1	31.9	95.7





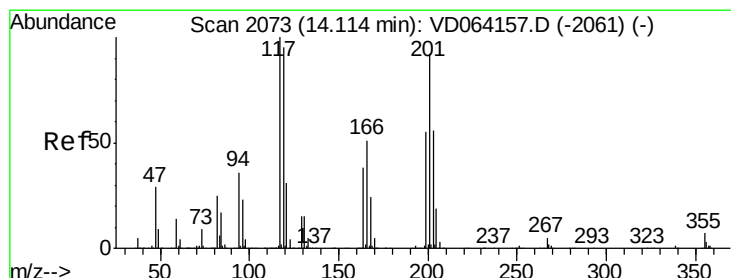
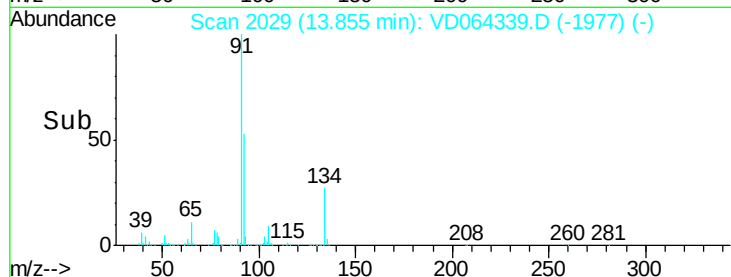
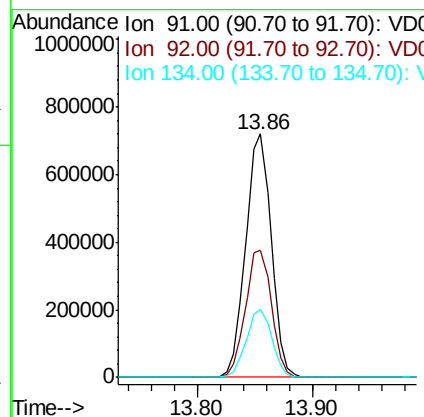
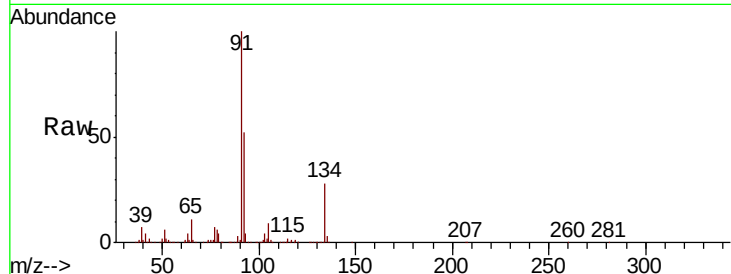
#89
n-Butylbenzene
Concen: 50.977 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.3	81.8
134	28.3	14.1	42.4

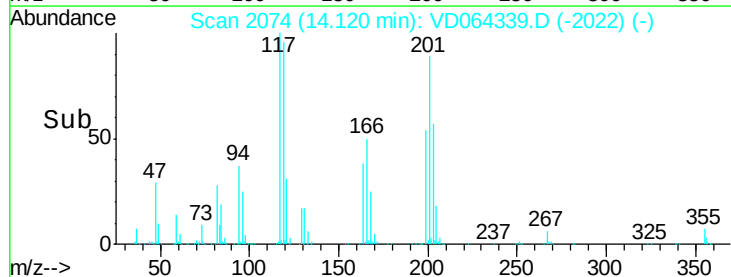
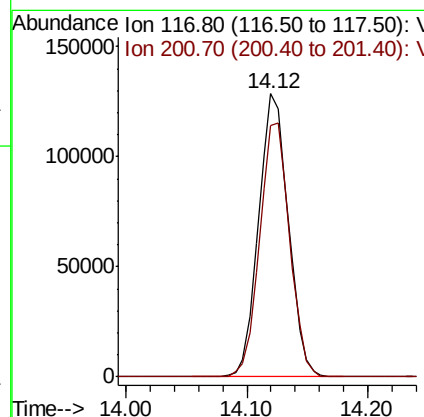
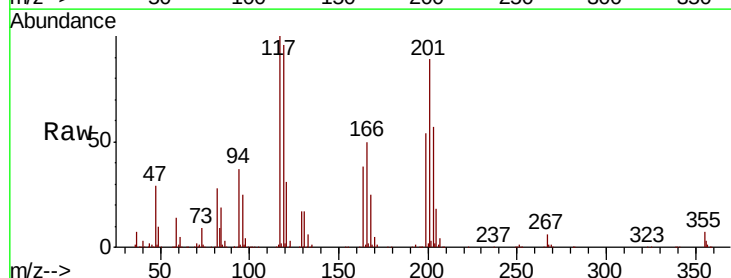
Manual Integrations
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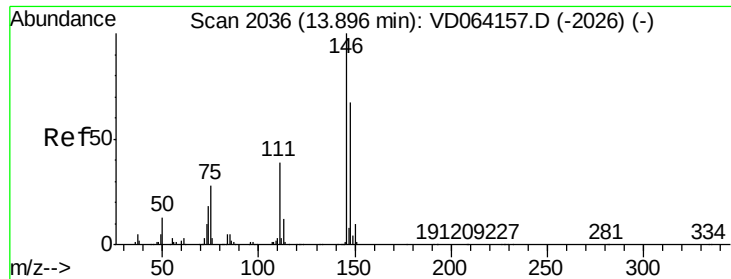
MMDadoda
11/26/2019 1:34:39 AM



#90
Hexachloroethane
Concen: 49.565 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	45.8	137.4





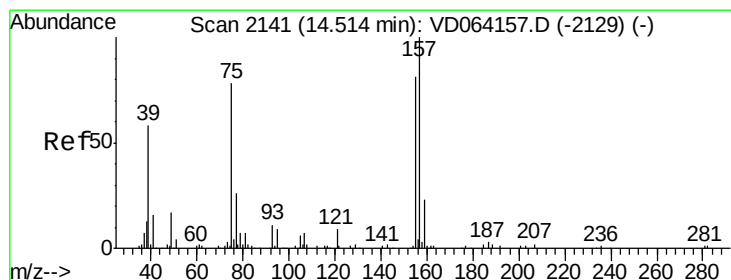
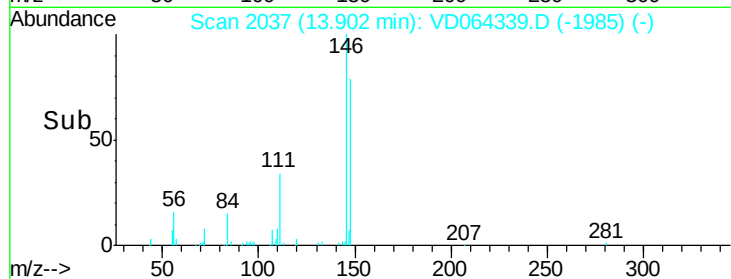
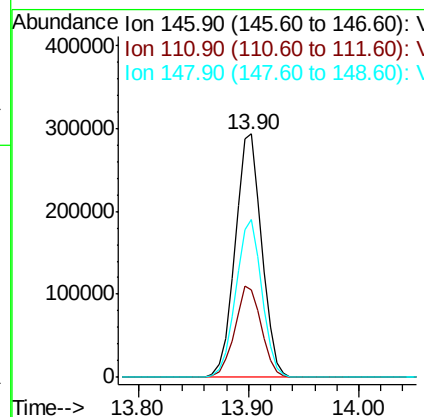
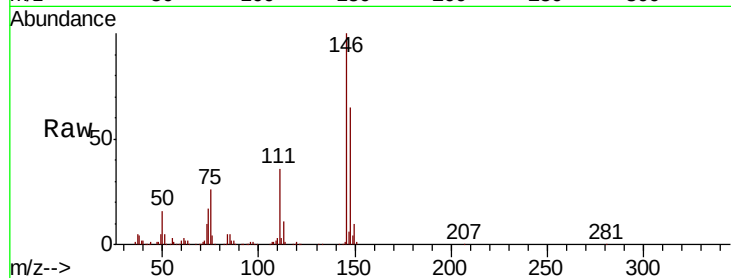
#91
 1,2-Dichlorobenzene
 Concen: 49.799 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.7	59.0
148	64.0	32.3	96.8

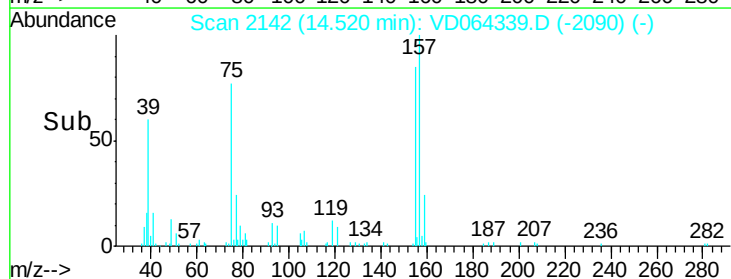
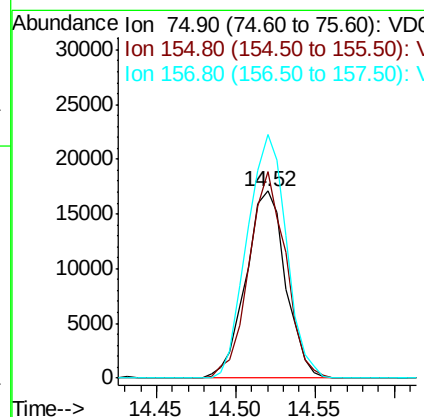
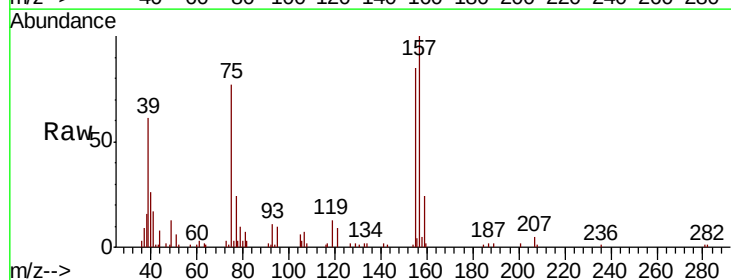
Manual Integrations
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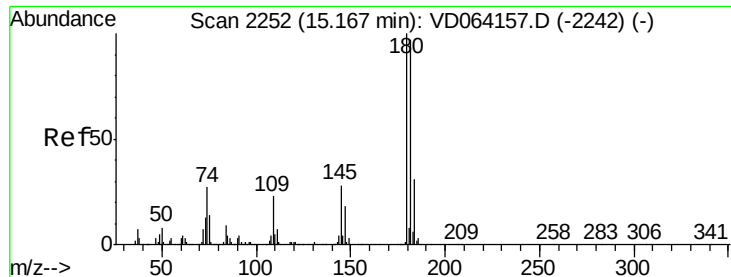
MMDadoda
 11/26/2019 1:34:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.575 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.6	48.0	144.0
157	128.6	61.5	184.4





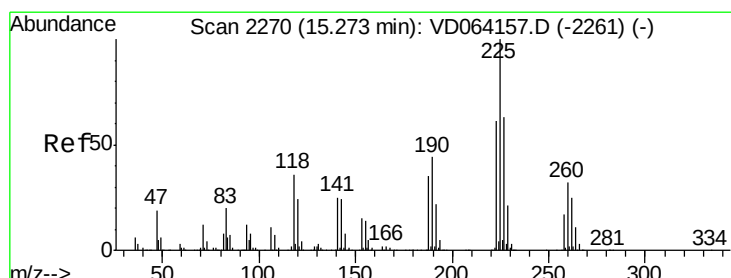
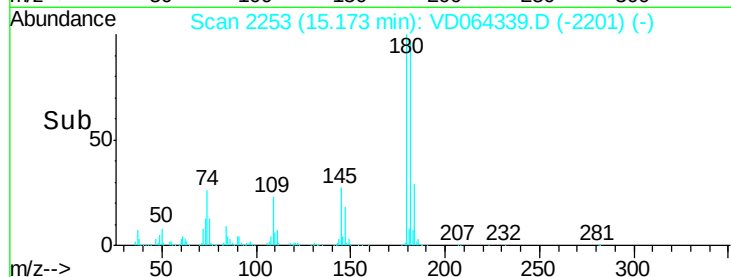
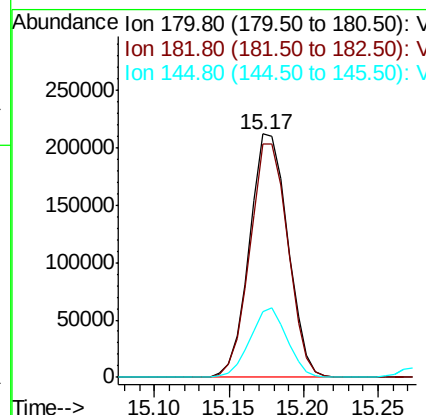
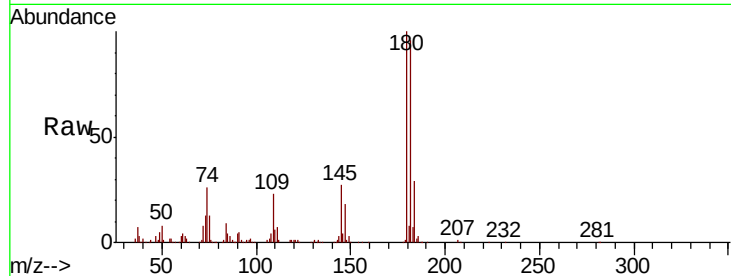
#93
 1,2,4-Trichlorobenzene
 Concen: 49.184 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.5	142.5	
145	27.6	14.2	42.6	

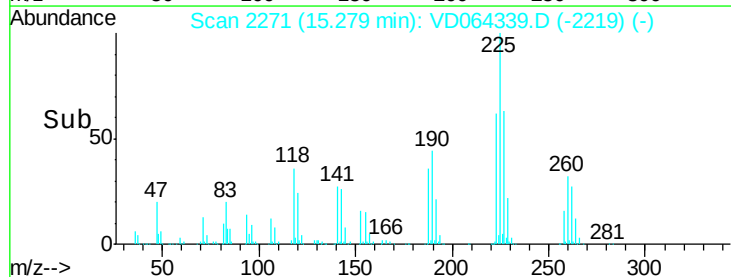
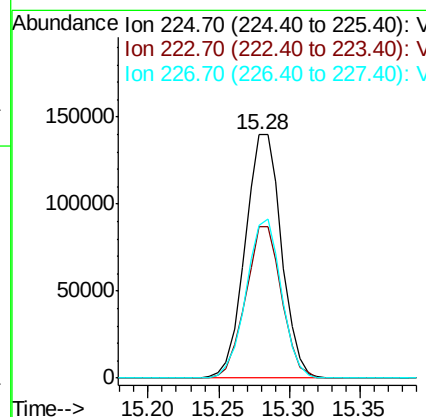
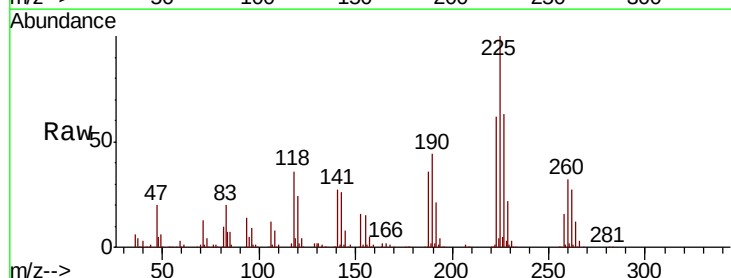
Manual Integrations
 APPROVED

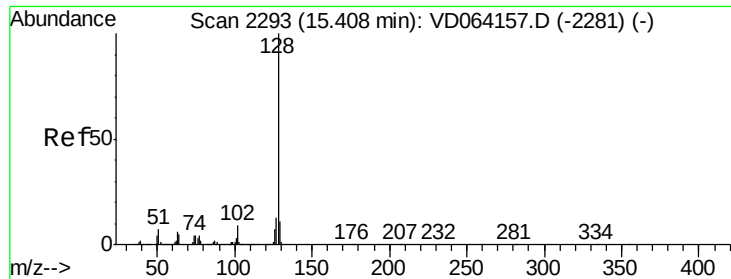
MMDadoda
 11/26/2019 1:34:39 AM



#94
 Hexachlorobutadiene
 Concen: 50.994 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	31.1	93.3	
227	63.5	31.5	94.5	





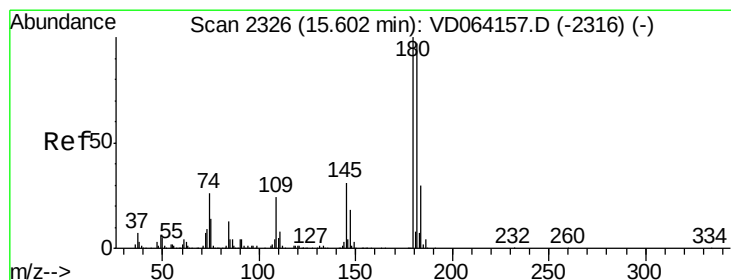
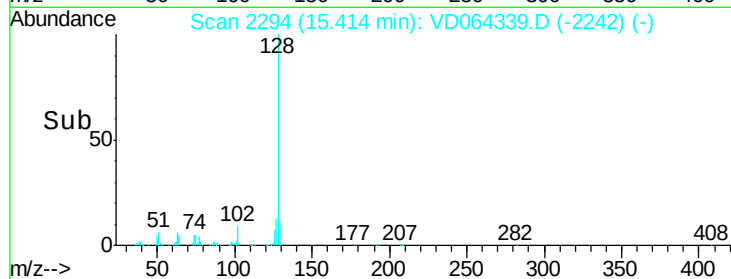
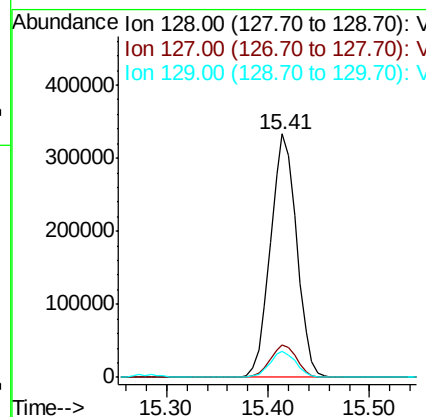
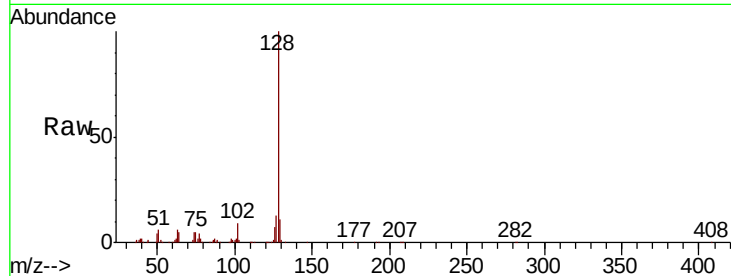
#95
Naphthalene
Concen: 47.585 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	597011		
127	13.4	10.5	15.7	
129	10.7	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.651 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	316514		
182	94.7	48.3	144.9	
145	29.4	15.3	45.8	

