

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064242.D
 Acq On : 16 Nov 2019 00:07
 Operator : VA/SY
 Sample : VD1115SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:22:30 PM

Quant Time: Nov 18 01:08:17 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	570483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	821490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	729747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	354032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	232988	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.92	113	232003	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	10.34	98	856161	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.64	95	286957	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	83972	17.748	ug/l	93
3) Chloromethane	2.21	50	101577	20.015	ug/l	97
4) Vinyl Chloride	2.35	62	119154	21.955	ug/l	99
5) Bromomethane	2.76	94	85790	25.034	ug/l	96
6) Chloroethane	2.92	64	82849	23.891	ug/l	97
7) Trichlorofluoromethane	3.27	101	210613	23.936	ug/l	99
8) Diethyl Ether	3.71	74	47140	19.484	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	95355	18.961	ug/l	100
10) Methyl Iodide	4.29	142	98242	18.449	ug/l	99
11) Tert butyl alcohol	5.26	59	32010	97.679	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	92695	19.337	ug/l	97
13) Acrolein	3.93	56	21977	79.273	ug/l	95
14) Allyl chloride	4.71	41	150976	17.813	ug/l	98
15) Acrylonitrile	5.43	53	110577	107.210	ug/l	98
16) Acetone	4.17	43	83669	75.275	ug/l	99
17) Carbon Disulfide	4.40	76	274194	18.367	ug/l	98
18) Methyl Acetate	4.73	43	65355	21.052	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	224153	19.587	ug/l	97
20) Methylene Chloride	4.97	84	111224	19.810	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	105117	19.355	ug/l	93
22) Diisopropyl ether	6.37	45	291783	18.554	ug/l	98
23) Vinyl Acetate	6.31	43	870088	99.258	ug/l	99
24) 1,1-Dichloroethane	6.26	63	177386	19.427	ug/l	99
25) 2-Butanone	7.23	43	142062	98.928	ug/l	95
26) 2,2-Dichloropropane	7.21	77	150374	16.793	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	117283	20.137	ug/l	93
28) Bromochloromethane	7.55	49	52477	16.508	ug/l	95
29) Tetrahydrofuran	7.57	42	92207	106.871	ug/l	95
30) Chloroform	7.71	83	196440	21.032	ug/l	98
31) Cyclohexane	7.98	56	162996	17.700	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	170570	19.073	ug/l	99
36) 1,1-Dichloropropene	8.11	75	139941	18.458	ug/l	99
37) Ethyl Acetate	7.30	43	65471	20.484	ug/l	97
38) Carbon Tetrachloride	8.10	117	151129	18.629	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172512	17.982	ug/l	96
40) Benzene	8.36	78	394197	19.024	ug/l	98
41) Methacrylonitrile	7.53	41	35442	17.642	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	121670	19.551	ug/l	99
43) Isopropyl Acetate	8.46	43	127179	19.312	ug/l	98
44) Trichloroethene	9.11	130	118905	19.120	ug/l	100
45) 1,2-Dichloropropane	9.39	63	96417	19.117	ug/l	98
46) Dibromomethane	9.48	93	54971	20.360	ug/l	99
47) Bromodichloromethane	9.67	83	139071	19.122	ug/l	100
48) Methyl methacrylate	9.46	41	61904	19.224	ug/l	94
49) 1,4-Dioxane	9.47	88	14534	448.206	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	325580	103.095	ug/l	100
52) Toluene	10.41	92	256061	18.793	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	135333	18.574	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	158768	18.673	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	73852	20.163	ug/l	98
56) Ethyl methacrylate	10.67	69	102808	20.065	ug/l	95
57) 1,3-Dichloropropane	10.95	76	129915	20.338	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	209560	100.969	ug/l	99
59) 2-Hexanone	10.99	43	218784	97.376	ug/l	97
60) Dibromochloromethane	11.14	129	102109	19.979	ug/l	100
61) 1,2-Dibromoethane	11.25	107	76541	20.864	ug/l	98
64) Tetrachloroethene	10.88	164	103783	18.492	ug/l	96
65) Chlorobenzene	11.67	112	280959	18.933	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	107317	19.019	ug/l	98
67) Ethyl Benzene	11.75	91	499163	18.596	ug/l	99
68) m/p-Xylenes	11.85	106	374739	36.423	ug/l	99
69) o-Xylene	12.18	106	175628	18.406	ug/l	99
70) Styrene	12.20	104	308738	18.536	ug/l	99
71) Bromoform	12.37	173	63926	19.907	ug/l #	99
73) Isopropylbenzene	12.48	105	474085	18.244	ug/l	100
74) N-amyl acetate	12.30	43	113583	18.510	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	81005	20.688	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	51978m	18.228	ug/l	
77) Bromobenzene	12.77	156	118568	18.781	ug/l	98
78) n-propylbenzene	12.83	91	551400	18.572	ug/l	100
79) 2-Chlorotoluene	12.91	91	303467	18.105	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	384108	17.989	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	25708	17.908	ug/l	98
82) 4-Chlorotoluene	13.01	91	311667	17.827	ug/l	99
83) tert-Butylbenzene	13.23	119	345136	18.331	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	382492	18.144	ug/l	97
85) sec-Butylbenzene	13.41	105	458545	18.133	ug/l	100
86) p-Isopropyltoluene	13.52	119	429896	17.882	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	217734	18.580	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	214828	18.783	ug/l	98
89) n-Butylbenzene	13.85	91	384151	17.686	ug/l	99
90) Hexachloroethane	14.12	117	80952	18.220	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	190272	19.183	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14247	20.350	ug/l	98

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ClientSampleId :
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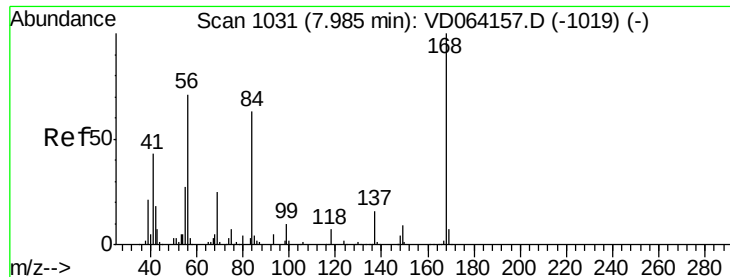
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	139656	18.252	ug/l	98
94) Hexachlorobutadiene	15.28	225	92491	18.715	ug/l	100
95) Naphthalene	15.41	128	262828	20.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	125150	19.242	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion:168 Resp: 570483

Ion Ratio Lower Upper

168 100

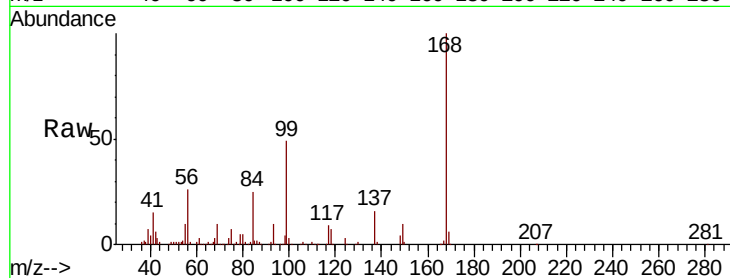
99 48.8 41.6 62.4

Manual Integrations

APPROVED

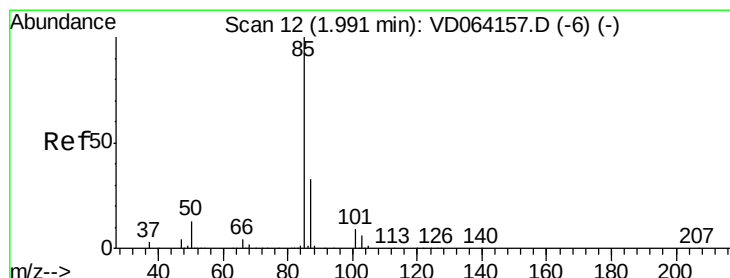
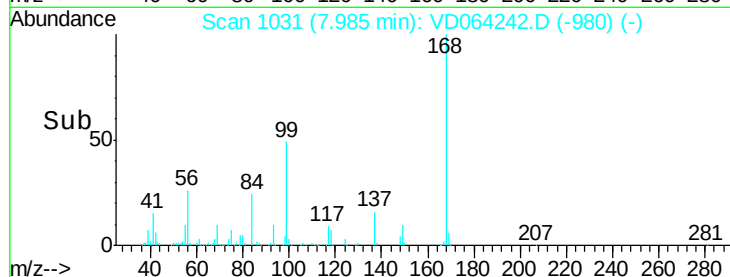
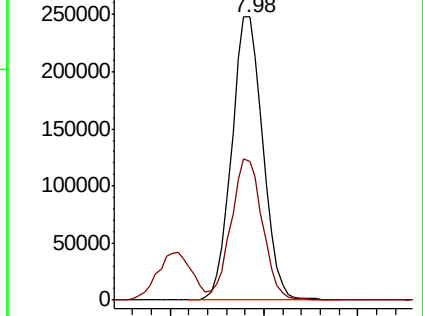
MMDADODA

11/19/2019 12:22:30 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.748 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064242.D

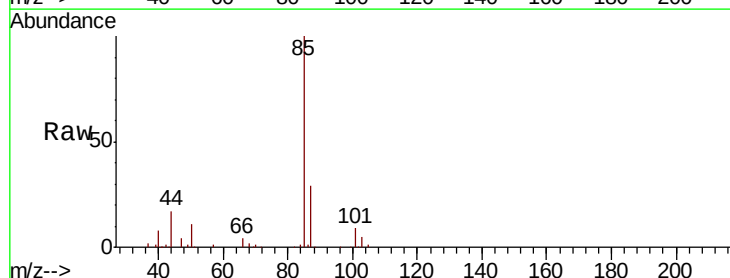
Acq: 16 Nov 2019 00:07

Tgt Ion: 85 Resp: 83972

Ion Ratio Lower Upper

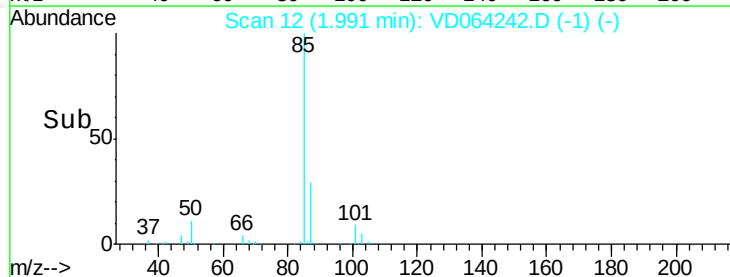
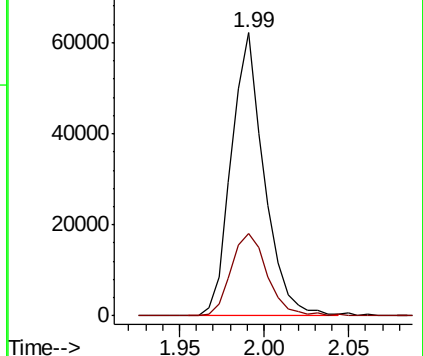
85 100

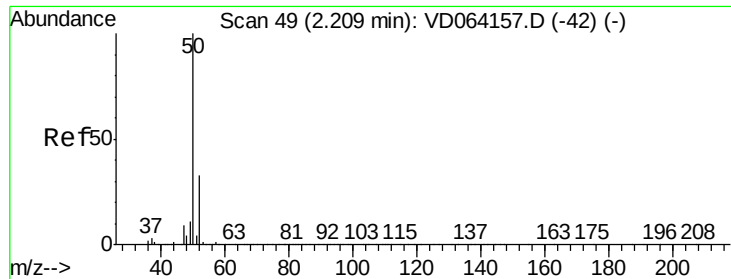
87 29.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.015 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 50 Resp: 101577

Ion Ratio Lower Upper

50 100

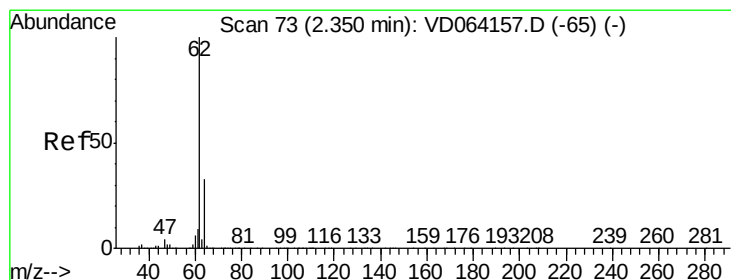
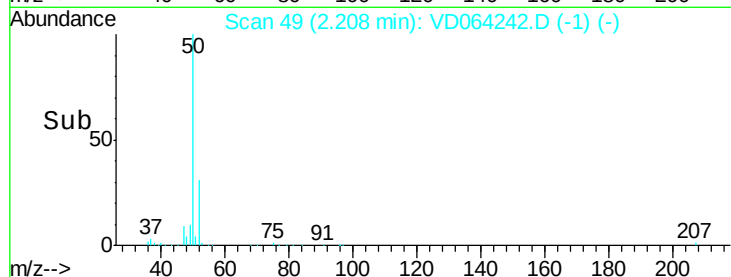
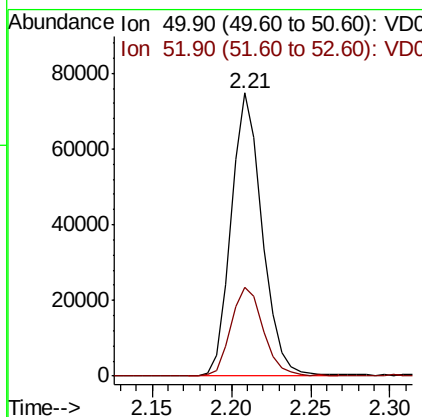
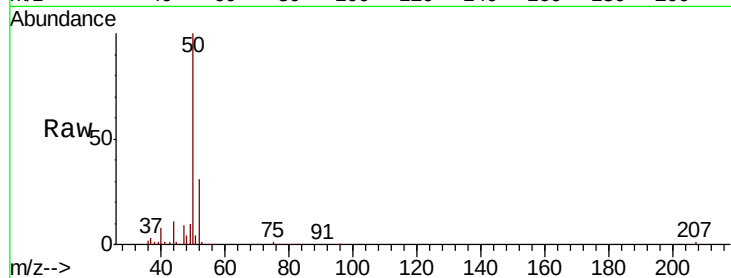
52 31.2 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.955 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064242.D

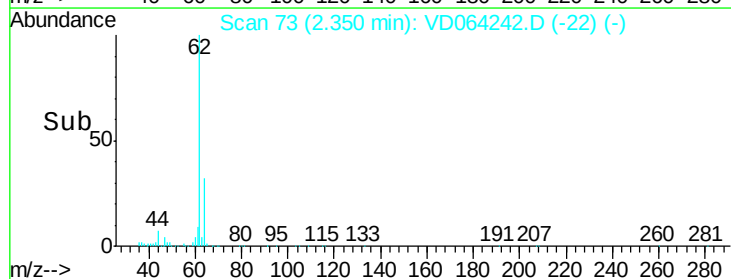
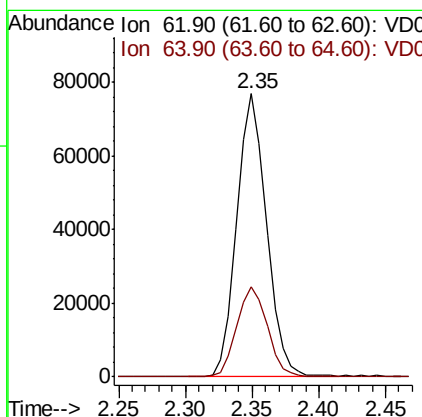
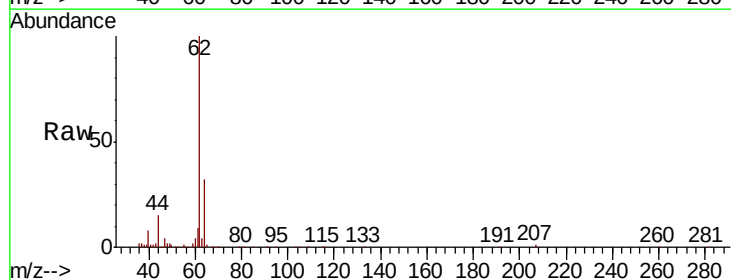
Acq: 16 Nov 2019 00:07

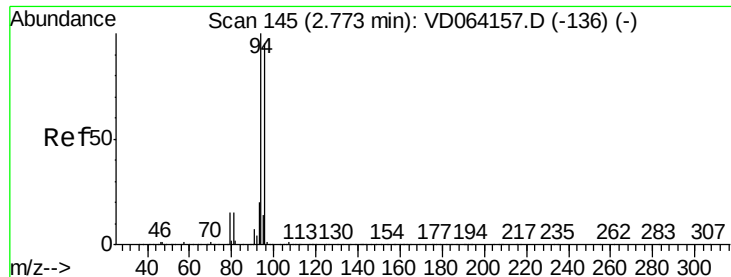
Tgt Ion: 62 Resp: 119154

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.2





#5

Bromomethane

Concen: 25.034 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 94 Resp: 85790

Ion Ratio Lower Upper

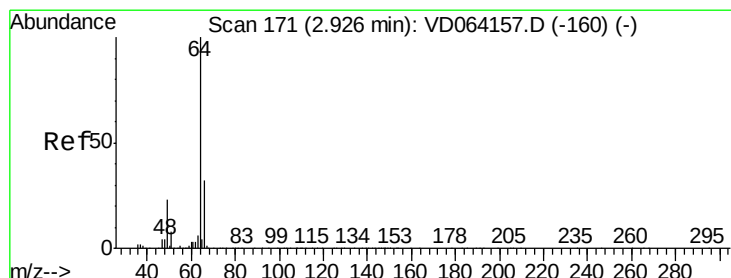
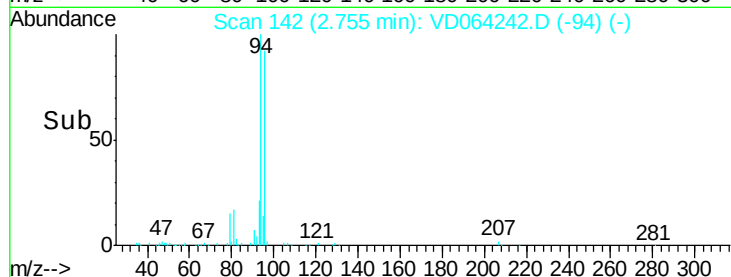
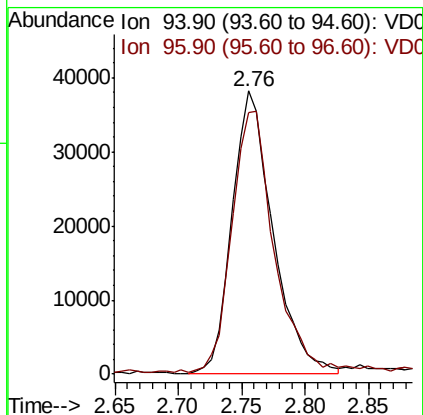
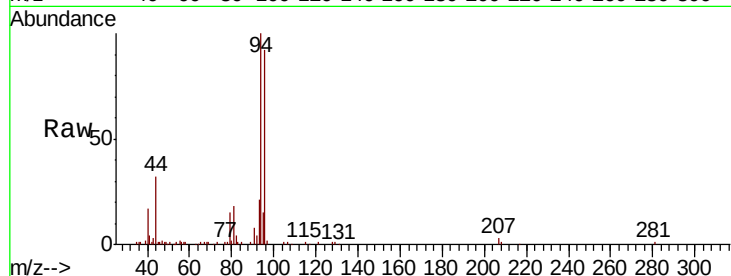
94 100

96 91.8 76.2 114.4

Manual Integrations
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11/19/2019 12:22:30 PM



#6

Chloroethane

Concen: 23.891 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064242.D

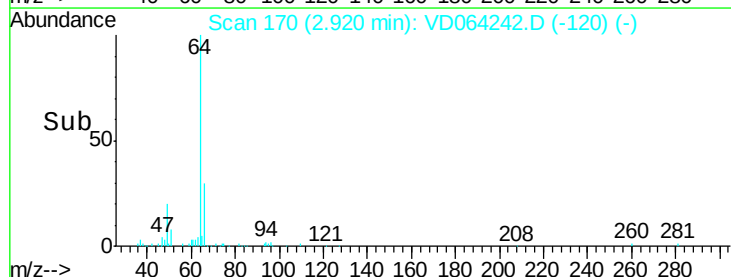
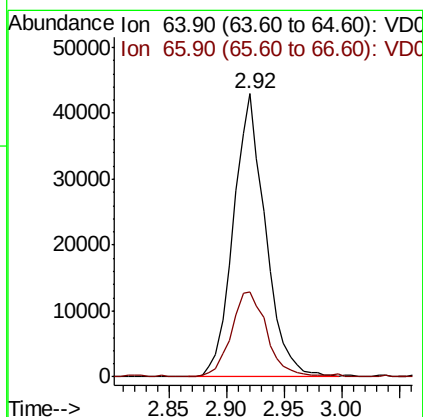
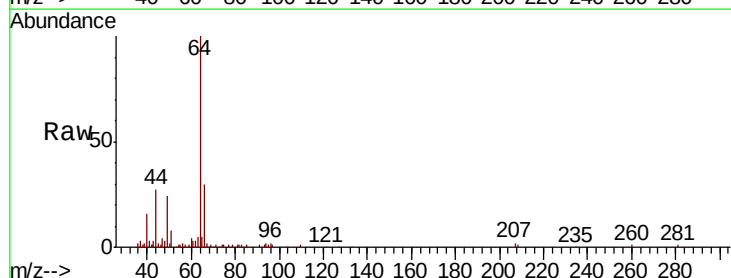
Acq: 16 Nov 2019 00:07

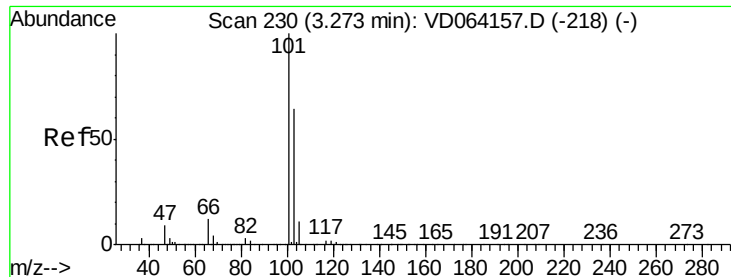
Tgt Ion: 64 Resp: 82849

Ion Ratio Lower Upper

64 100

66 30.1 25.5 38.3





#7

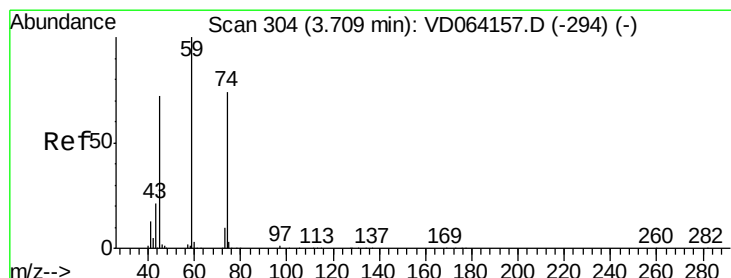
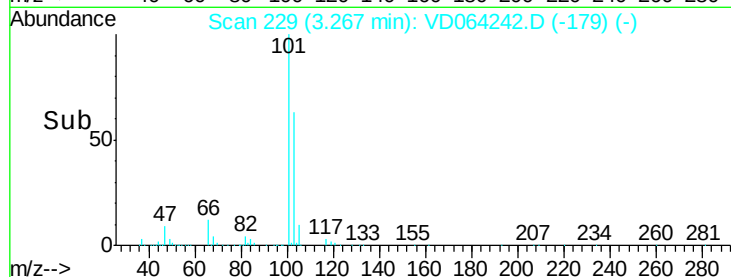
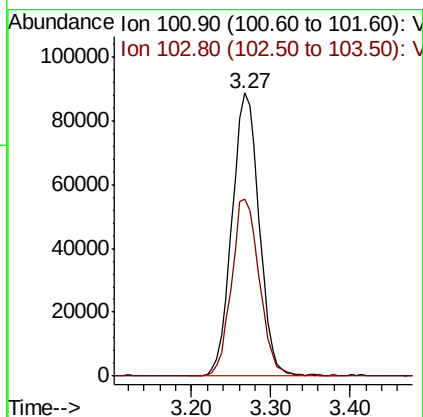
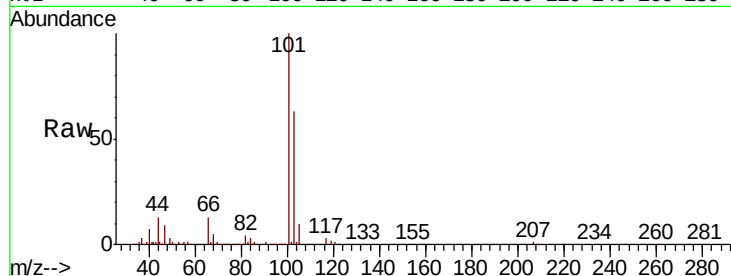
Trichlorofluoromethane
Concen: 23.936 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

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MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.8	76.2

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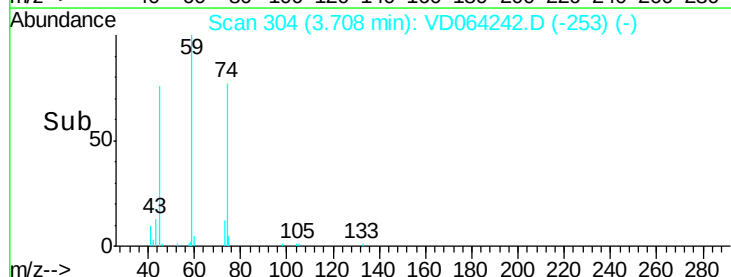
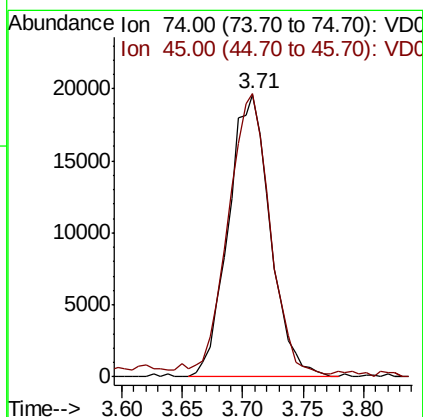
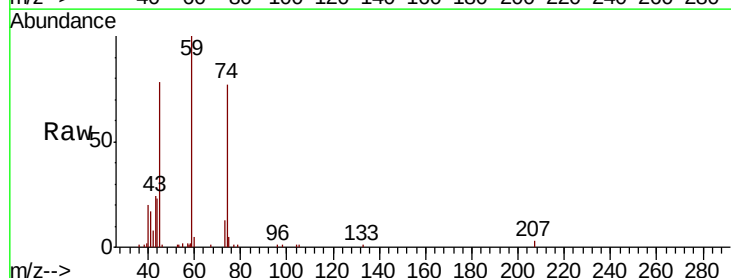
MMDADODA
11/19/2019 12:22:30 PM

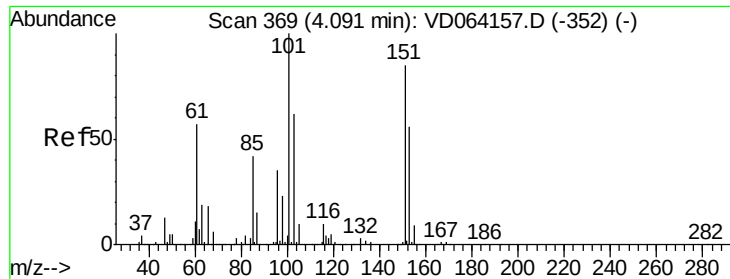


#8

Diethyl Ether
Concen: 19.484 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.961 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

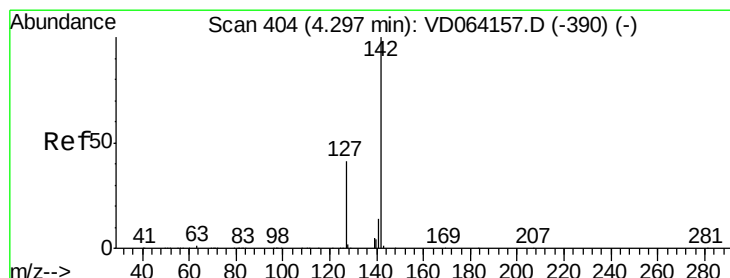
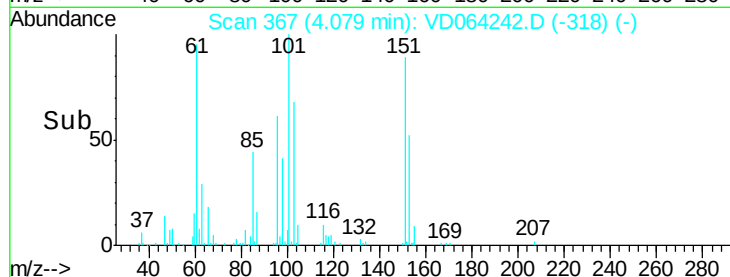
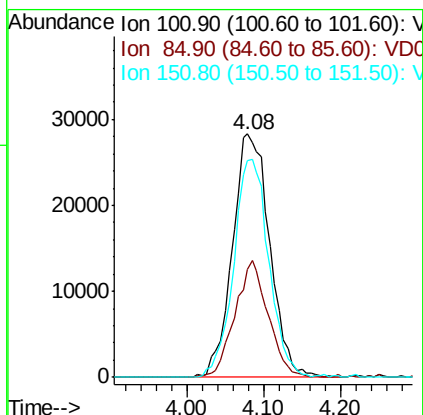
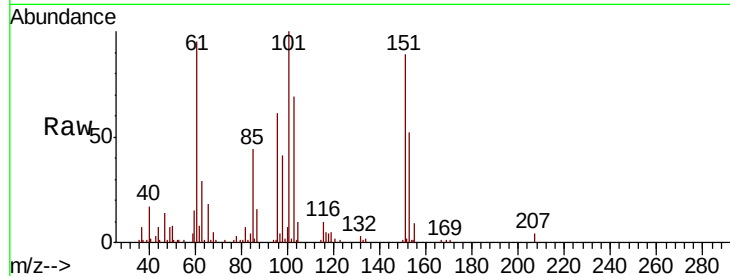
ClientSampleId :

VD1115SBS02

Tot Ion:	101	Resp:	95355
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	84.9	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 18.449 ug/l

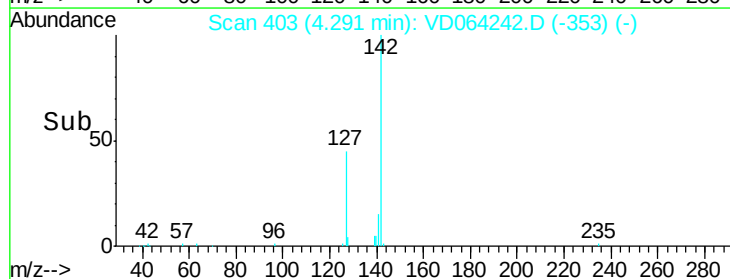
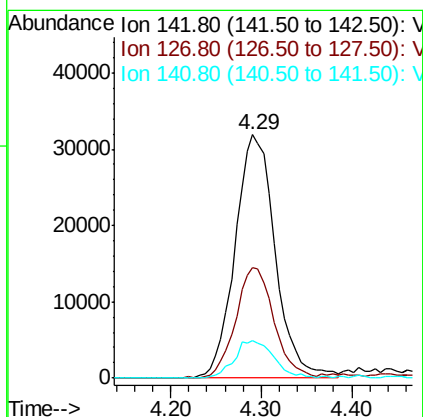
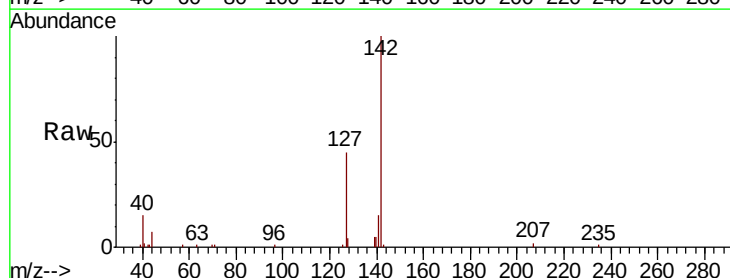
RT: 4.29 min Scan# 403

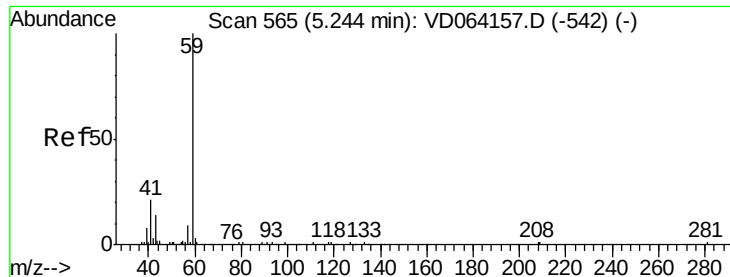
Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Tgt Ion:	142	Resp:	98242
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.4	51.6
141	15.1	11.2	16.8





#11

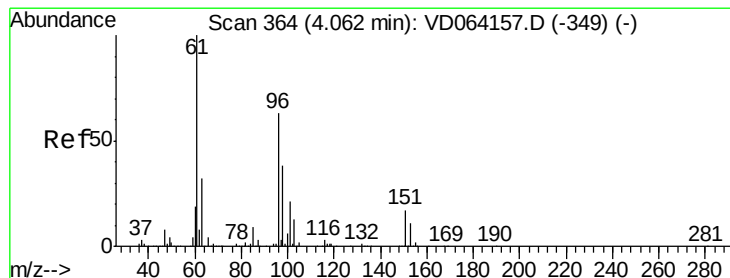
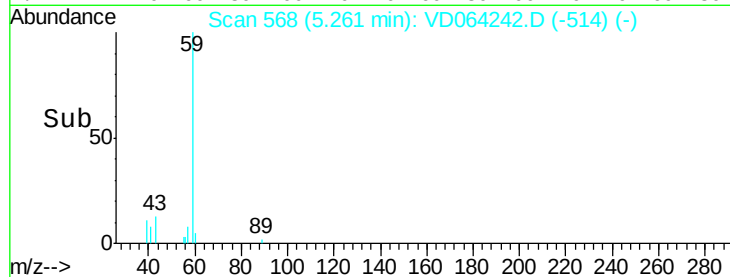
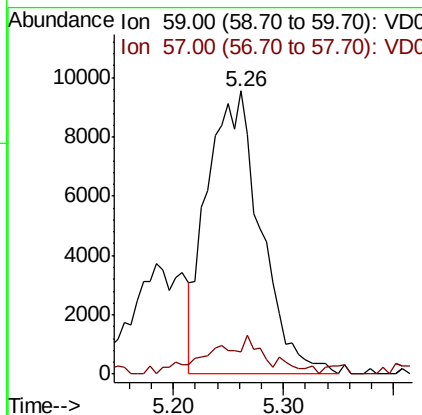
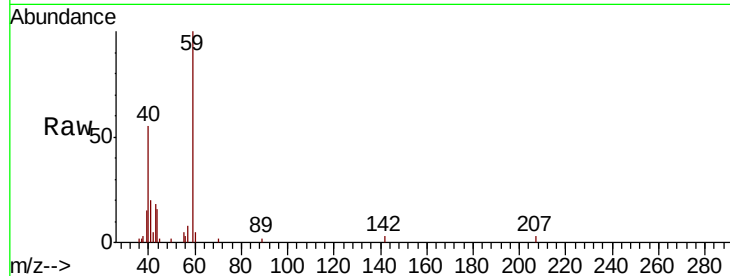
Tert butyl alcohol
Concen: 97.679 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.02 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.3	9.4	14.2#

Manual Integrations
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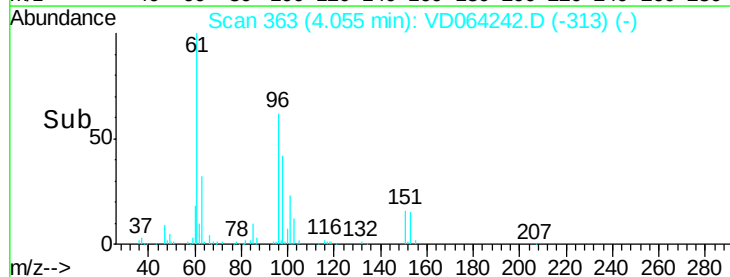
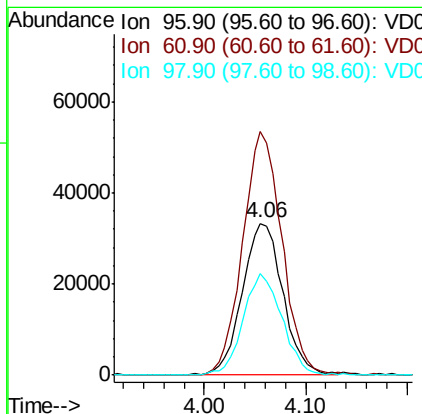
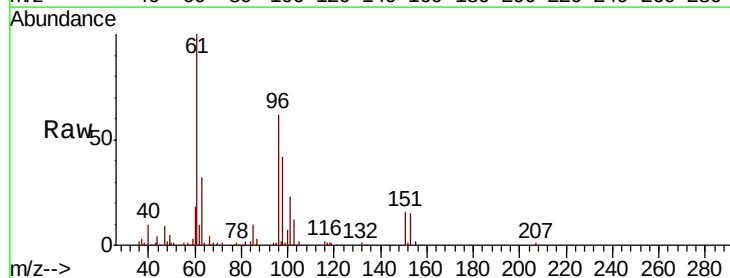
MMDADODA
11/19/2019 12:22:30 PM

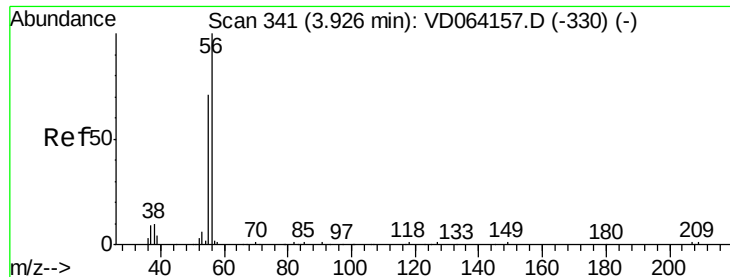


#12

1,1-Dichloroethene
Concen: 19.337 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	127.4	191.2
98	67.1	48.1	72.1





#13

Acrolein

Concen: 79.273 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 56 Resp: 21977

Ion Ratio Lower Upper

56 100

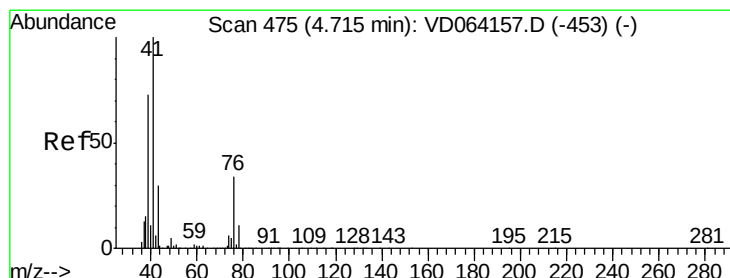
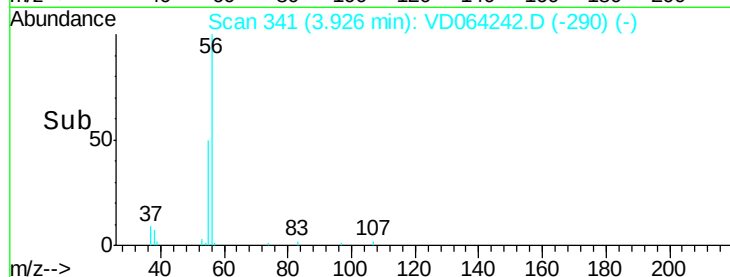
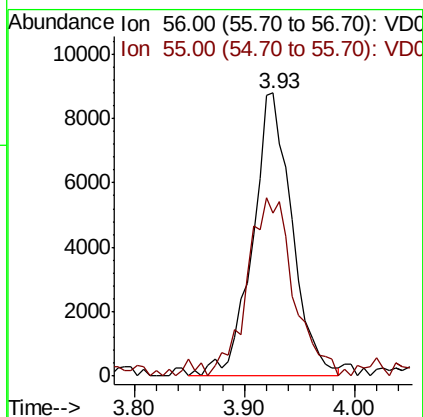
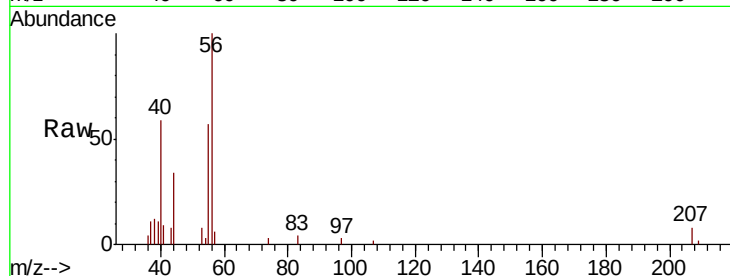
55 74.4 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 17.813 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

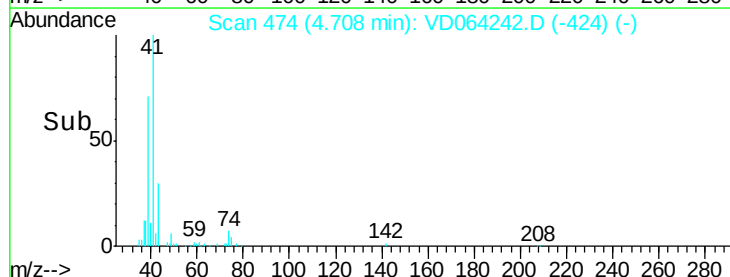
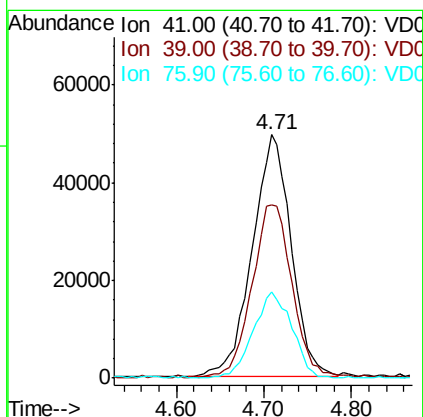
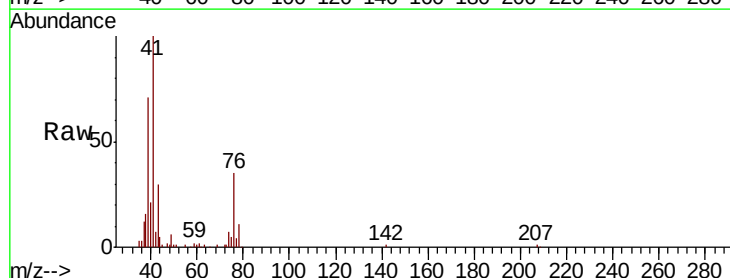
Tgt Ion: 41 Resp: 150976

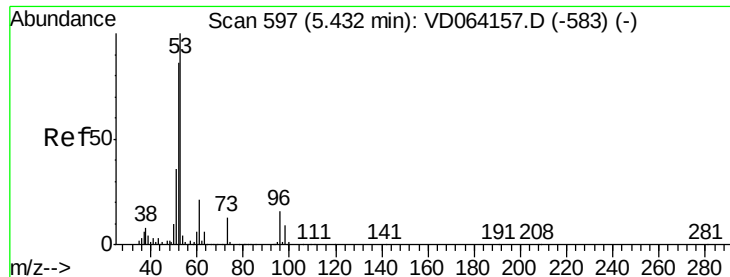
Ion Ratio Lower Upper

41 100

39 73.2 57.5 86.3

76 35.7 26.8 40.2





#15

Acrylonitrile

Concen: 107.210 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

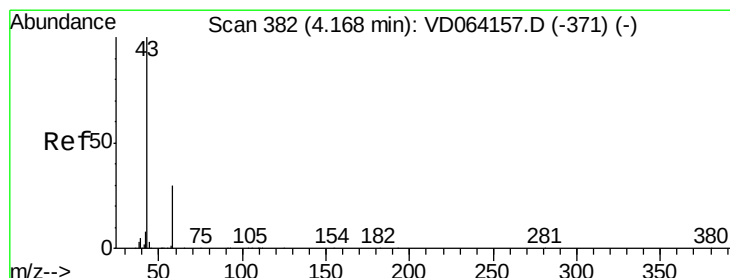
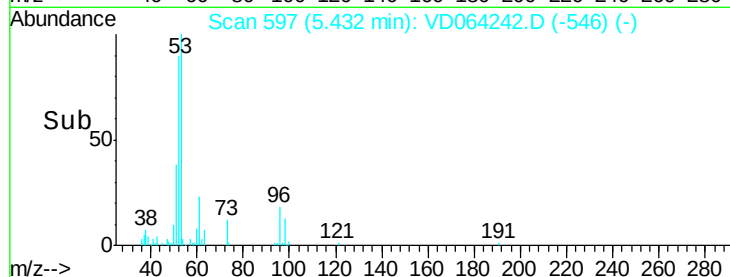
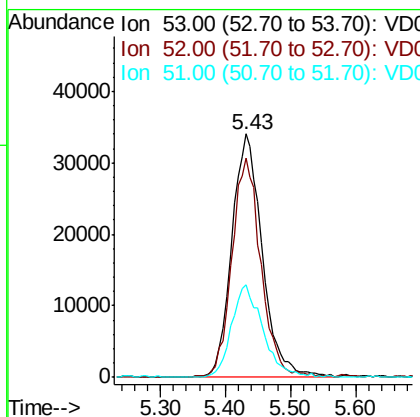
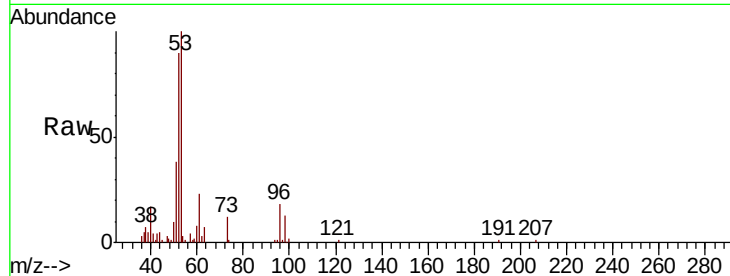
ClientSampleId :

VD1115SBS02

Tot Ion:	53	Resp:	110577
Ion	Ratio	Lower	Upper
53	100		
52	85.7	66.7	100.1
51	39.0	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 75.275 ug/l

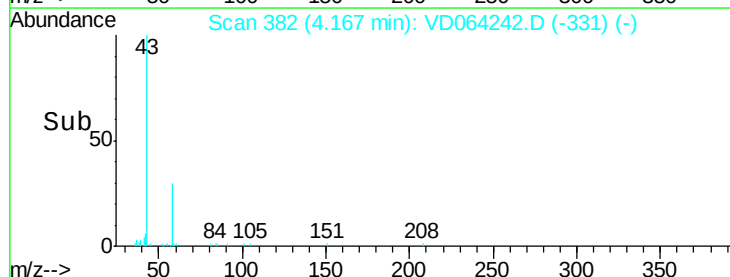
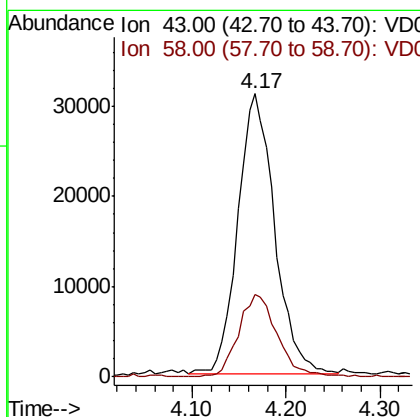
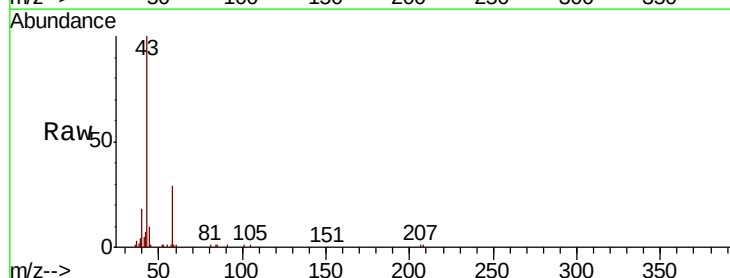
RT: 4.17 min Scan# 382

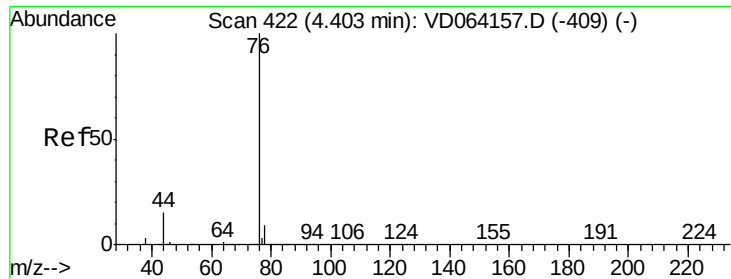
Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Tgt Ion:	43	Resp:	83669
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.1	36.1





#17

Carbon Disulfide

Concen: 18.367 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 76 Resp: 274194

Ion Ratio Lower Upper

76 100

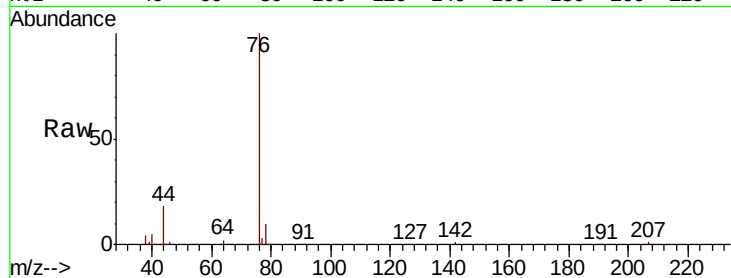
78 9.9 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

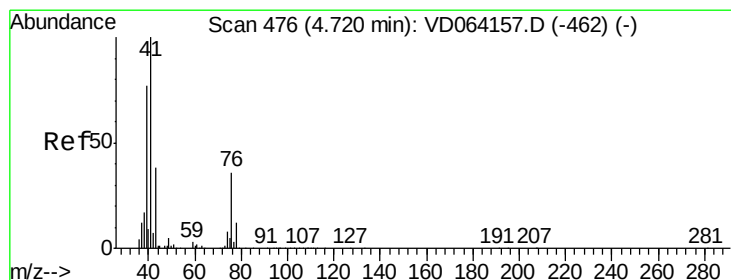
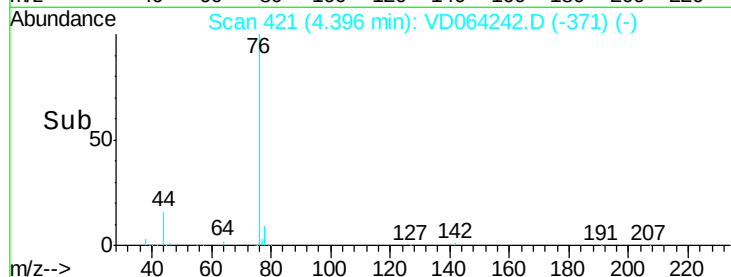
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.052 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064242.D

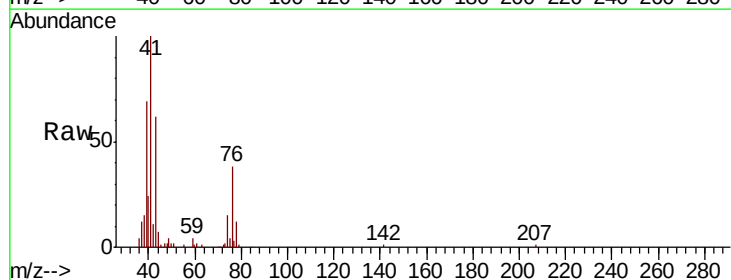
Acq: 16 Nov 2019 00:07

Tgt Ion: 43 Resp: 65355

Ion Ratio Lower Upper

43 100

74 25.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

25000

20000

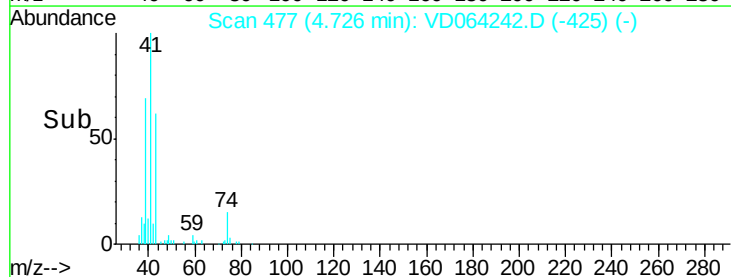
15000

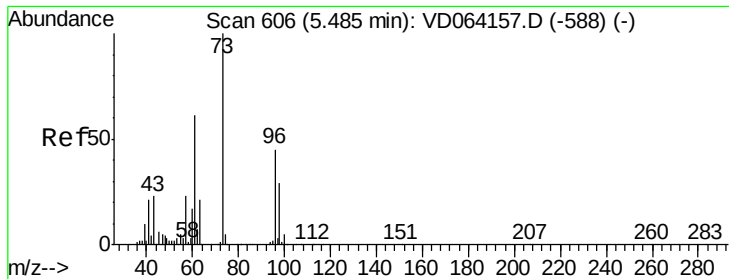
10000

5000

0

Time-->





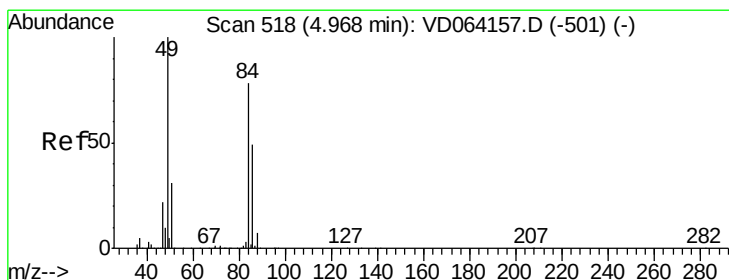
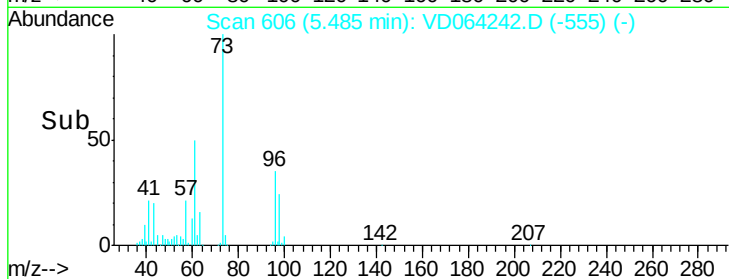
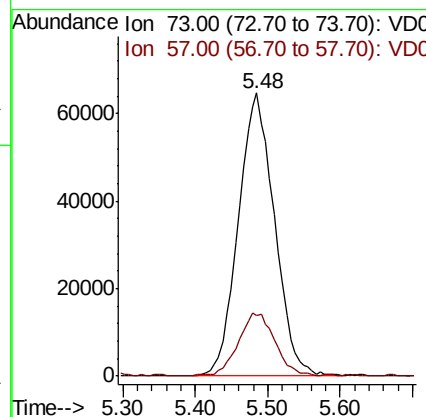
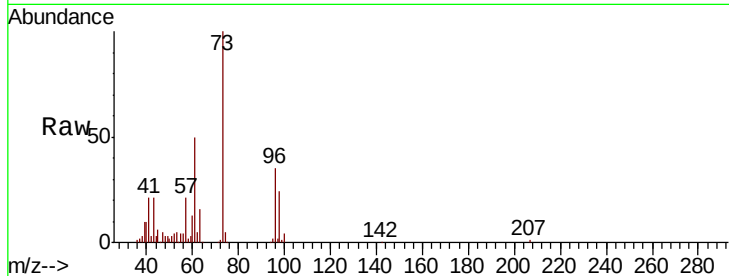
#19
Methyl tert-butyl Ether
Concen: 19.587 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.4	27.6

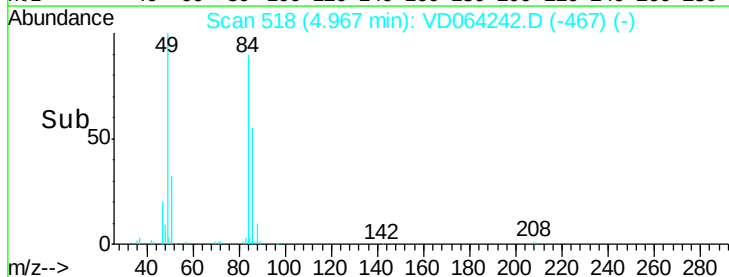
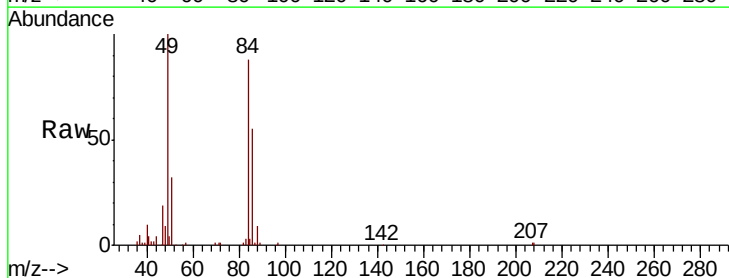
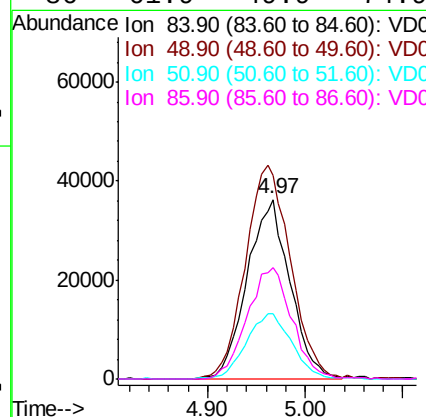
Manual Integrations
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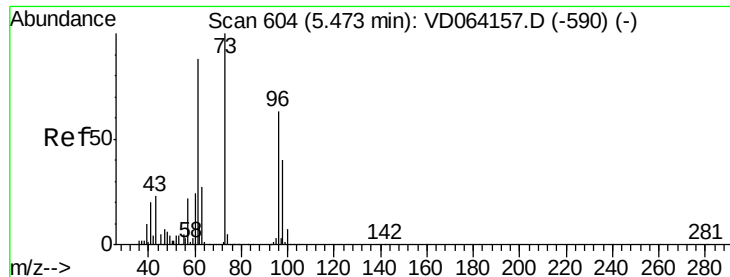
MMDADODA
11/19/2019 12:22:30 PM



#20
Methylene Chloride
Concen: 19.810 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.0	102.1	153.1
51	36.5	32.2	48.2
86	61.9	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 19.355 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

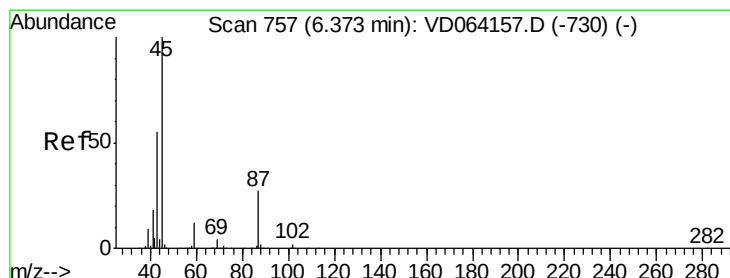
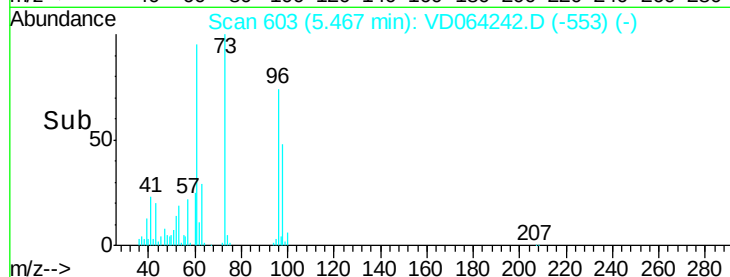
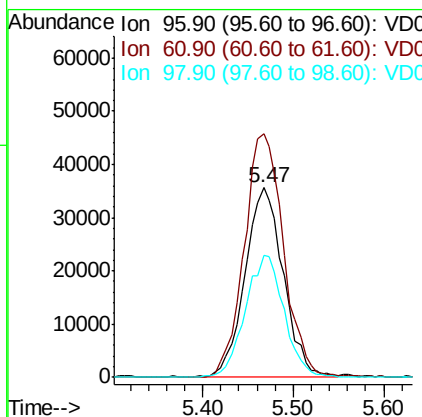
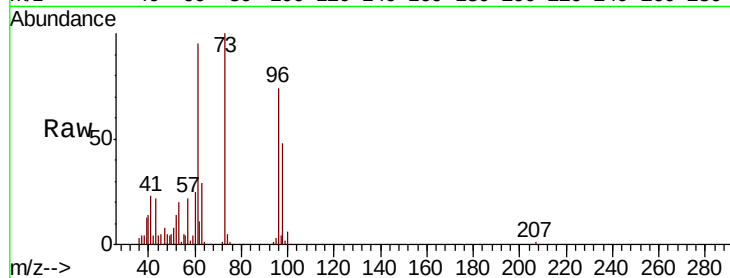
ClientSampleId :

VD1115SBS02

Tot Ion:	96	Resp:	105117
Ion	Ratio	Lower	Upper
96	100		
61	128.6	111.8	167.6
98	64.4	50.3	75.5

Manual Integrations
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11/19/2019 12:22:30 PM



#22

Diisopropyl ether

Concen: 18.554 ug/l

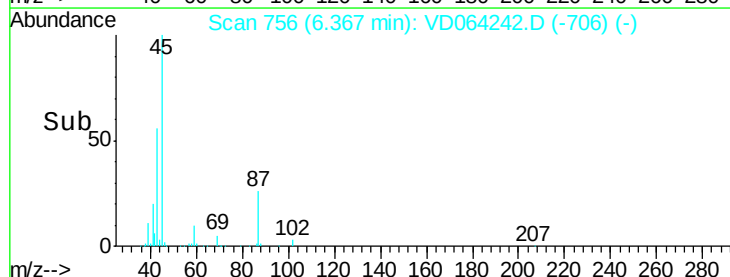
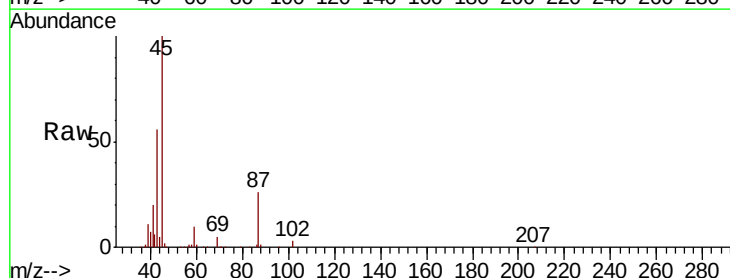
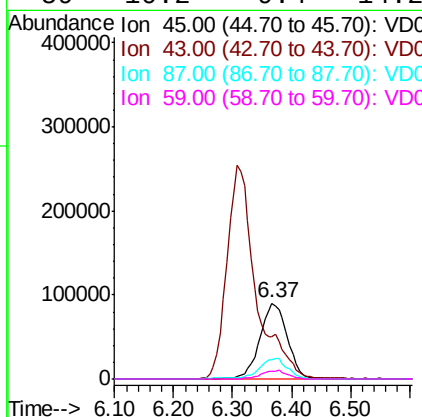
RT: 6.37 min Scan# 756

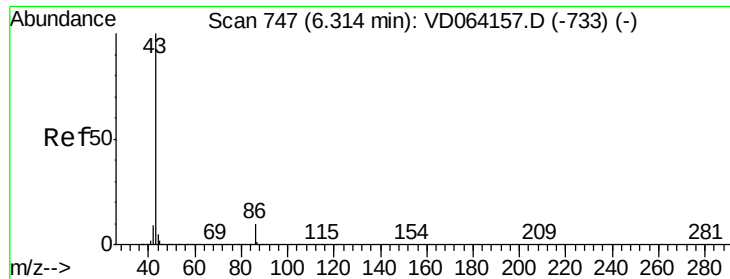
Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Tgt Ion:	45	Resp:	291783
Ion	Ratio	Lower	Upper
45	100		
43	56.0	44.4	66.6
87	25.5	21.9	32.9
59	10.2	9.4	14.2





#23

Vinyl Acetate

Concen: 99.258 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 43 Resp: 870088

Ion Ratio Lower Upper

43 100

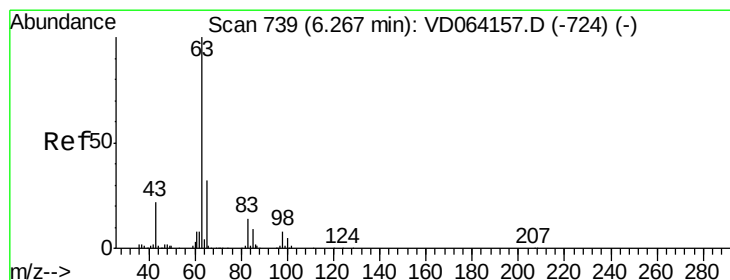
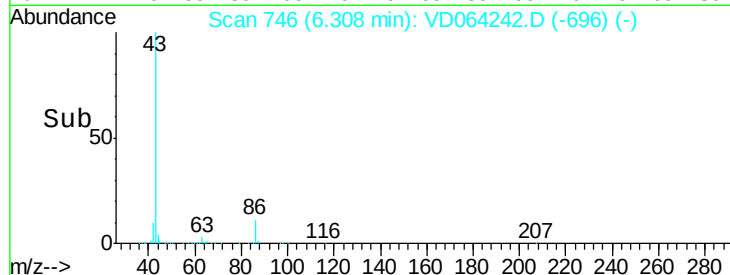
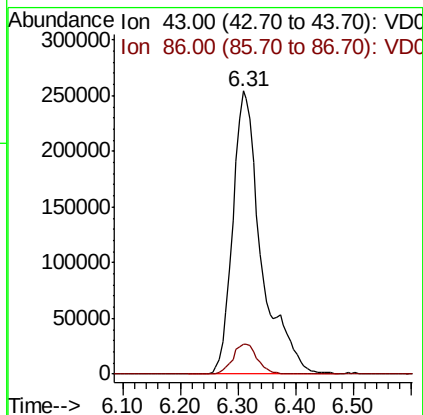
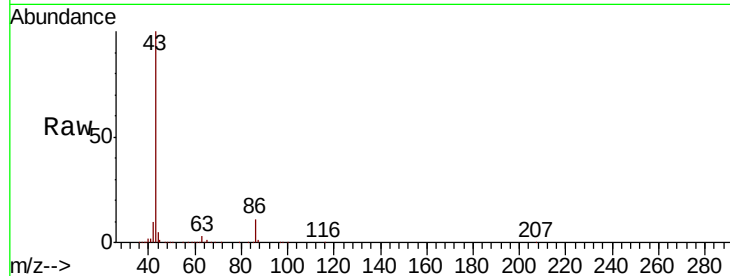
86 10.7 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.427 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

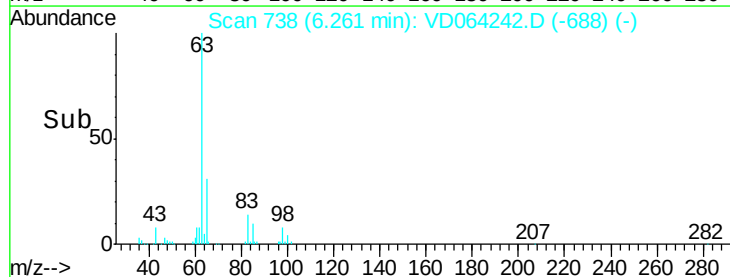
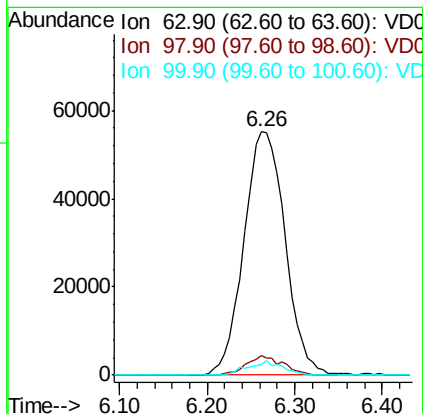
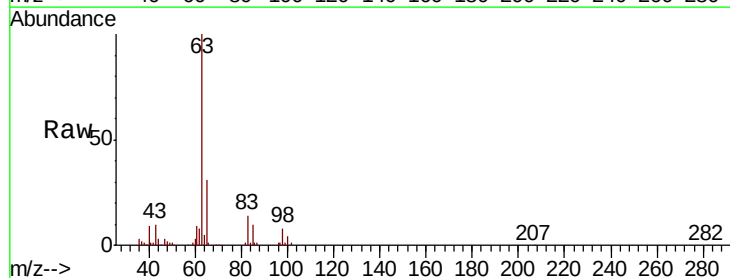
Tgt Ion: 63 Resp: 177386

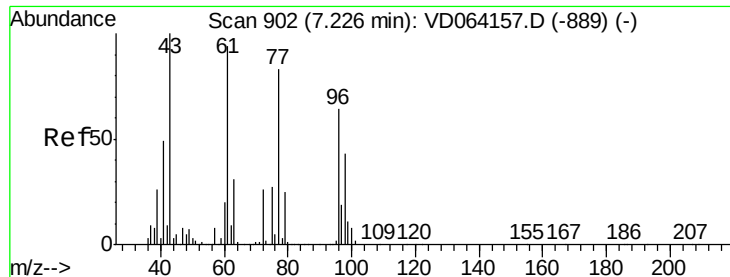
Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.4

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 98.928 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 43 Resp: 142062

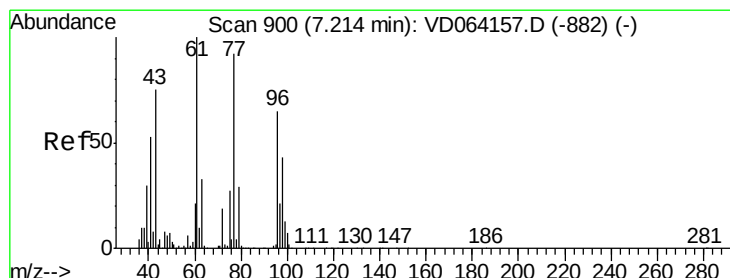
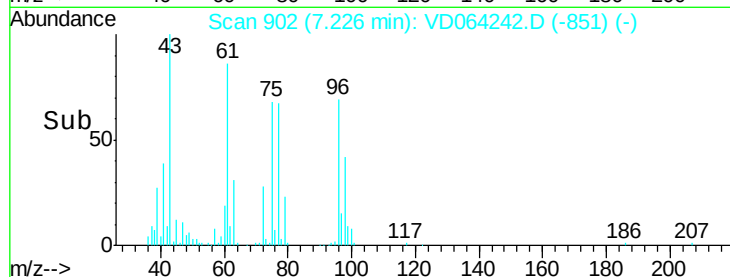
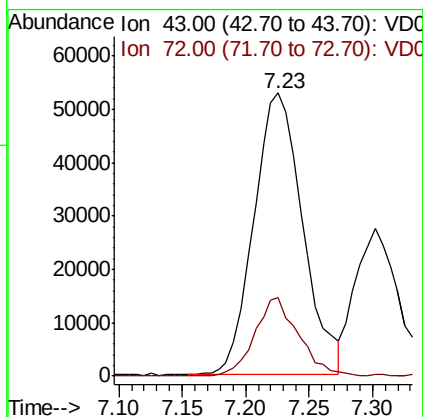
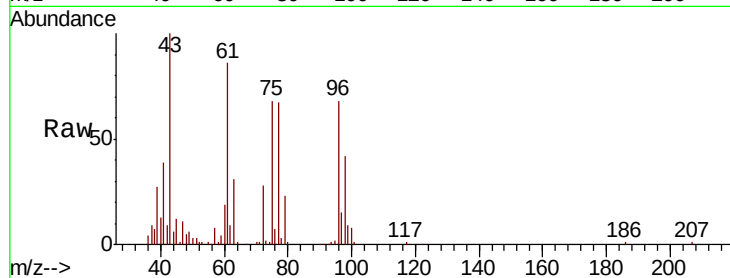
Ion Ratio Lower Upper

43 100

72 28.0 20.6 30.8

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 16.793 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064242.D

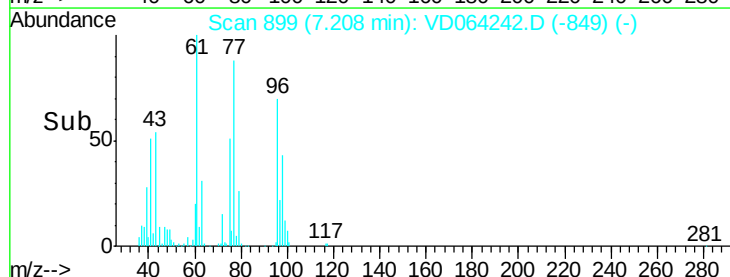
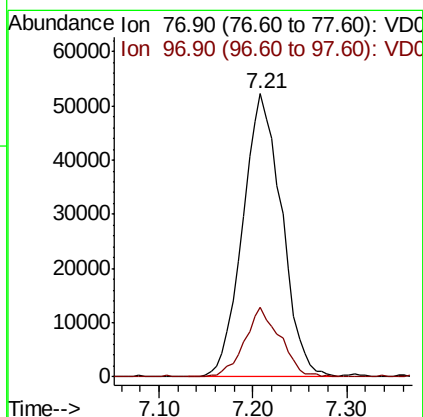
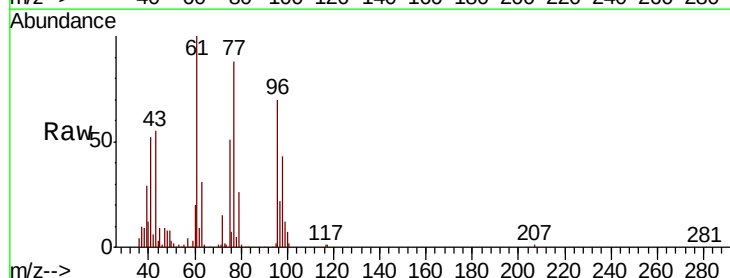
Acq: 16 Nov 2019 00:07

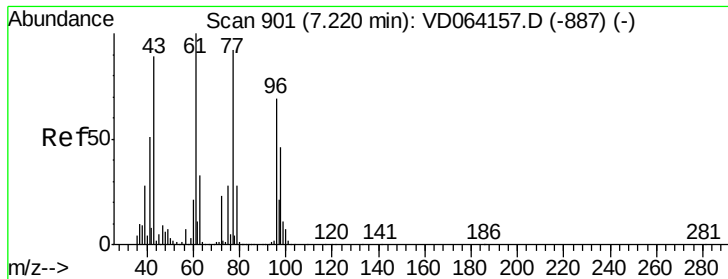
Tgt Ion: 77 Resp: 150374

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3





#27

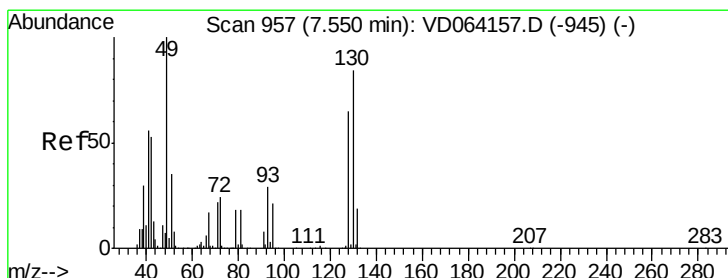
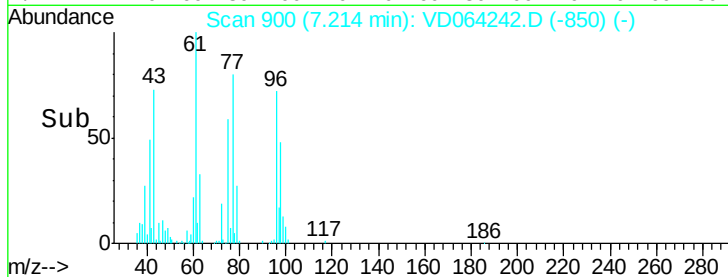
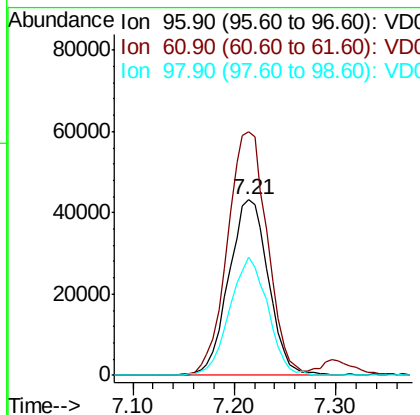
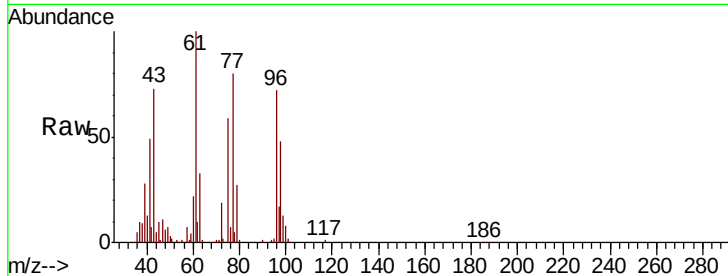
cis-1,2-Dichloroethene
Concen: 20.137 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	117283		
61	139.7	0.0	301.4	
98	64.3	0.0	133.2	

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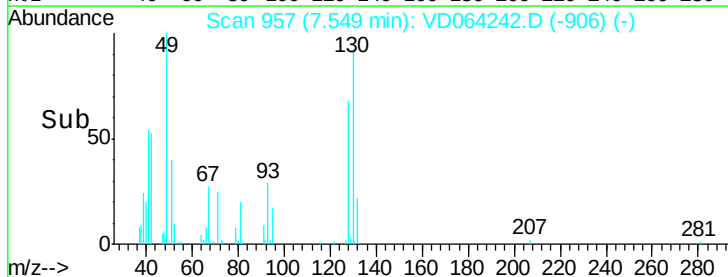
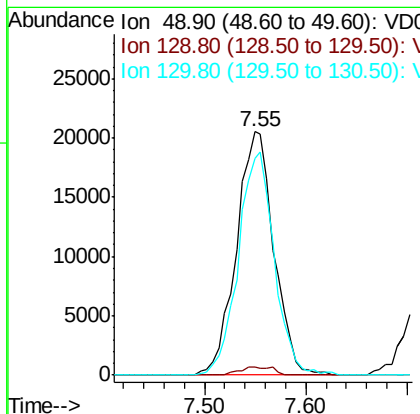
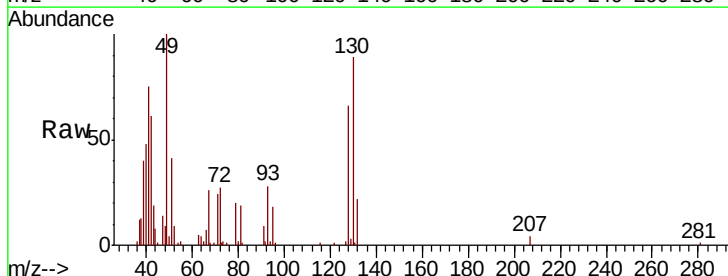
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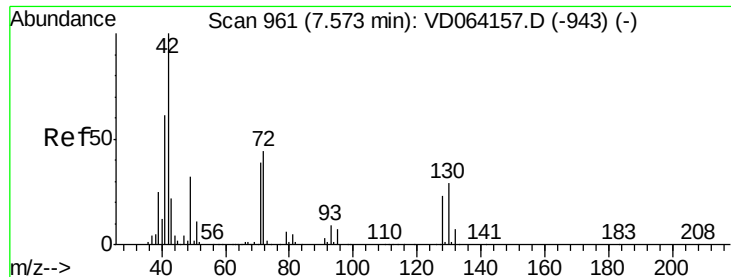


#28

Bromochloromethane
Concen: 16.508 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	52477		
129	2.9	0.0	4.4	
130	88.1	66.8	100.2	





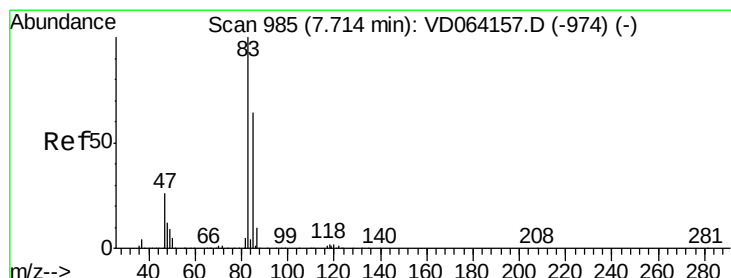
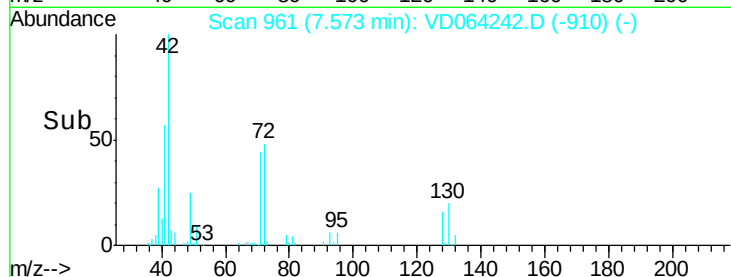
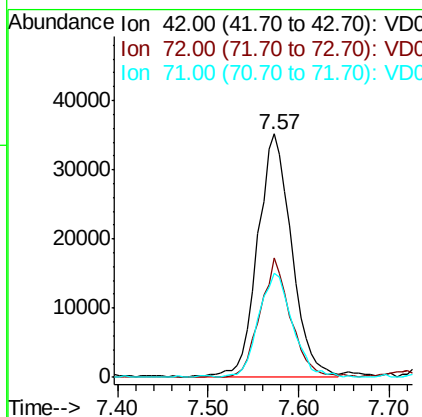
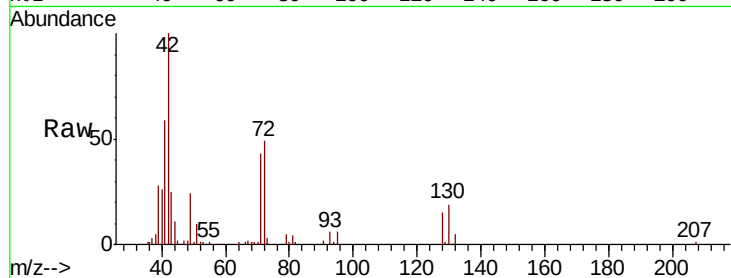
#29
Tetrahydrofuran
Concen: 106.871 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	33.4	50.2
71	42.4	31.0	46.4

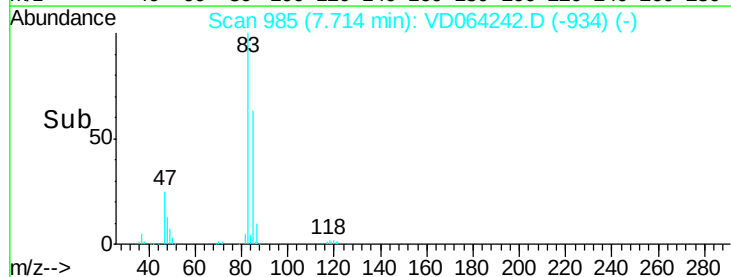
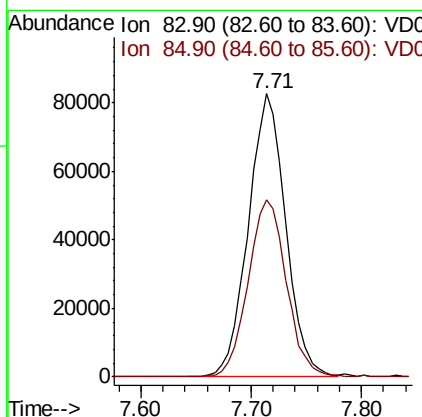
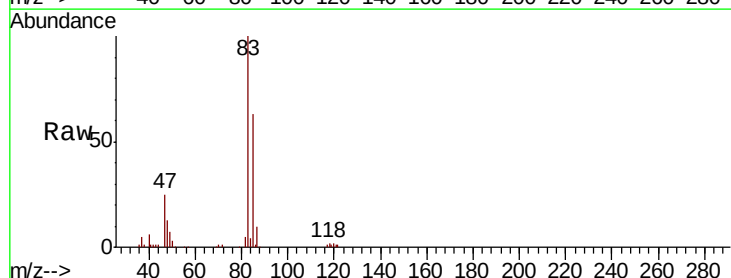
Manual Integrations
APPROVED

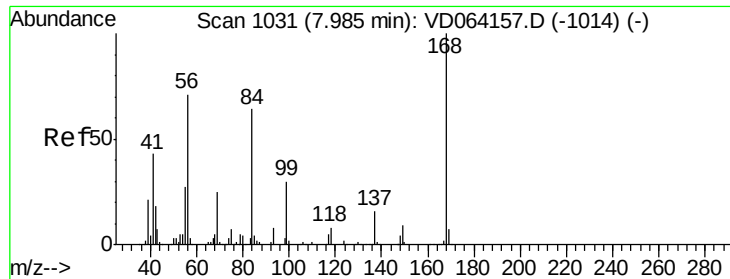
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#30
Chloroform
Concen: 21.032 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.4	77.0





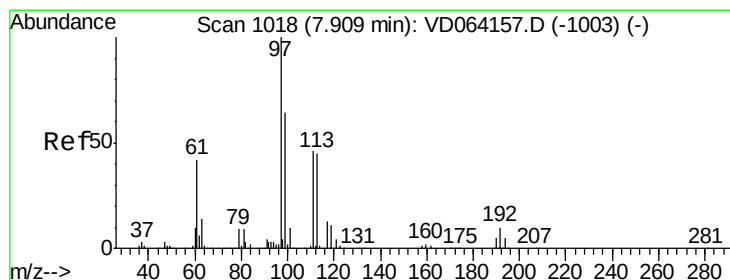
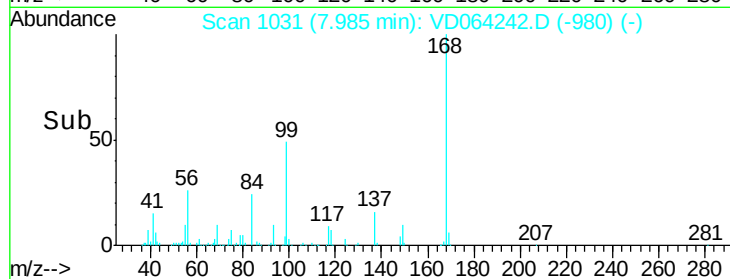
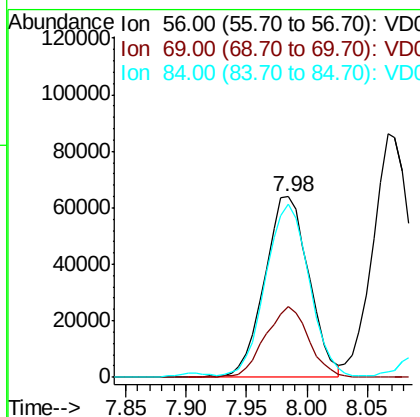
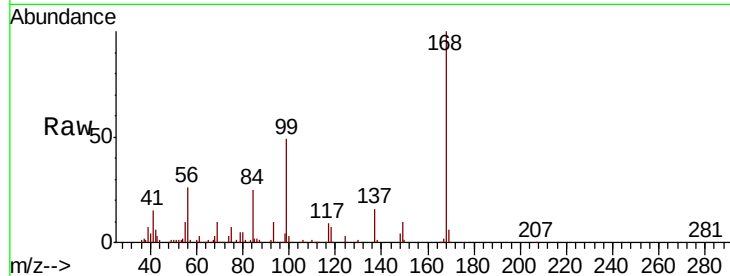
#31
Cyclohexane
Concen: 17.700 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		162996		
69	39.1	28.2	42.4		
84	94.2	71.8	107.6		

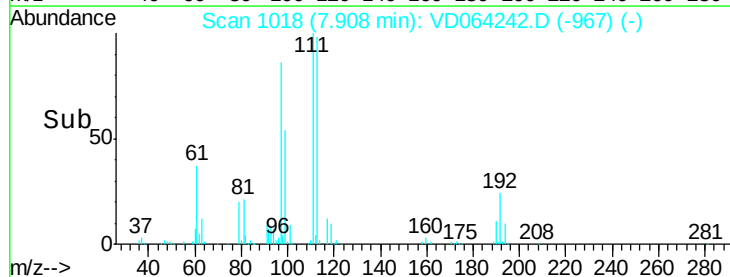
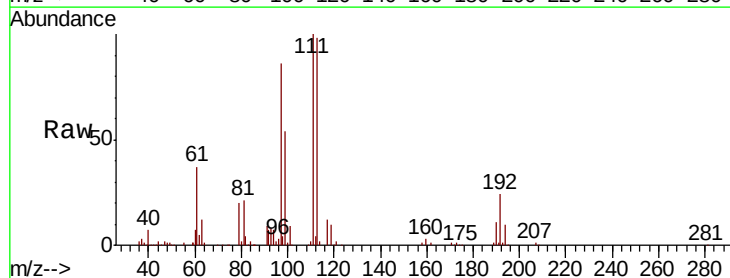
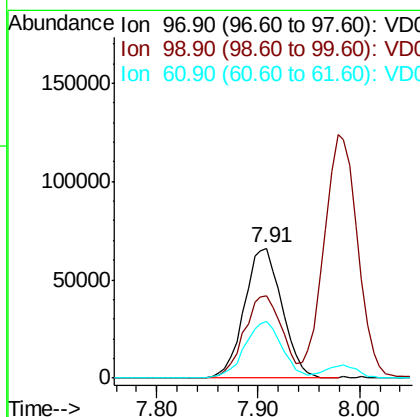
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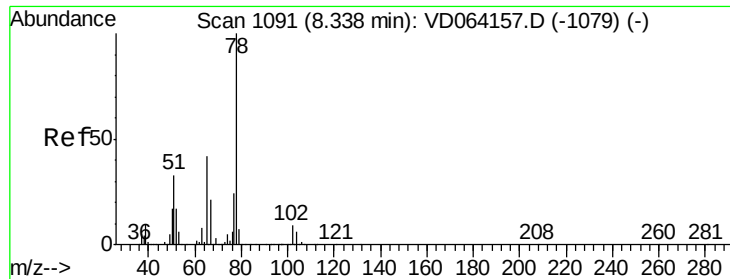
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#32
1,1,1-Trichloroethane
Concen: 19.073 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		170570		
99	63.3	51.6	77.4		
61	43.0	34.2	51.2		





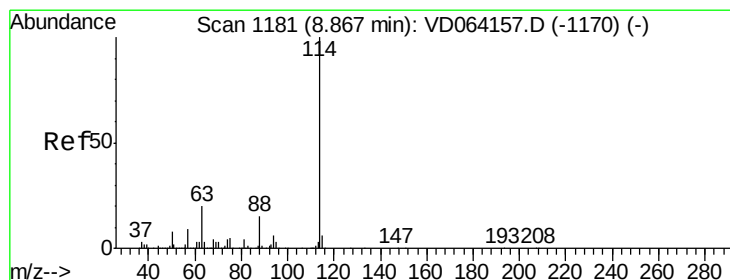
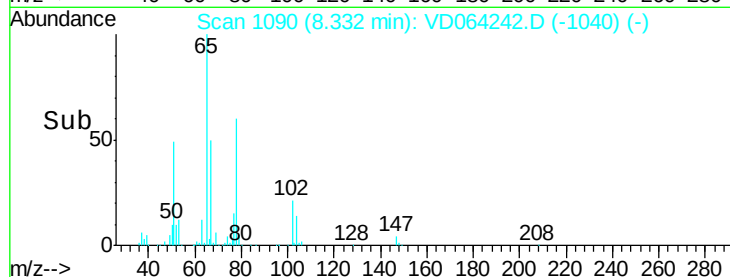
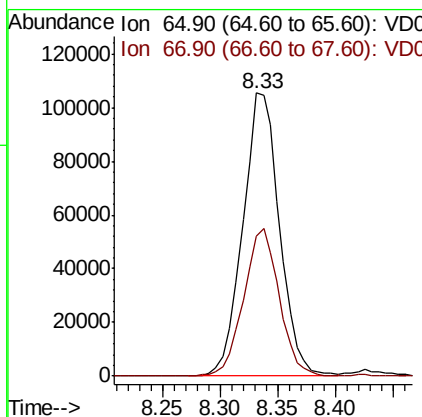
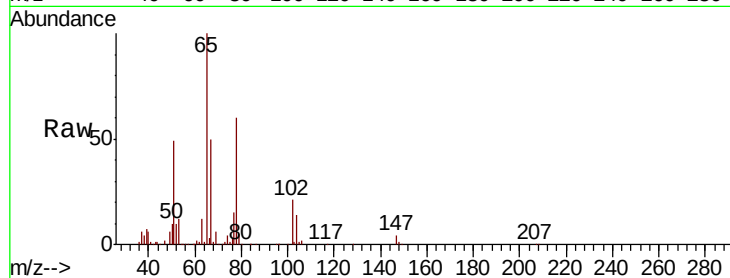
#33
 1,2-Dichloroethane-d4
 Concen: 49.658 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	104.4

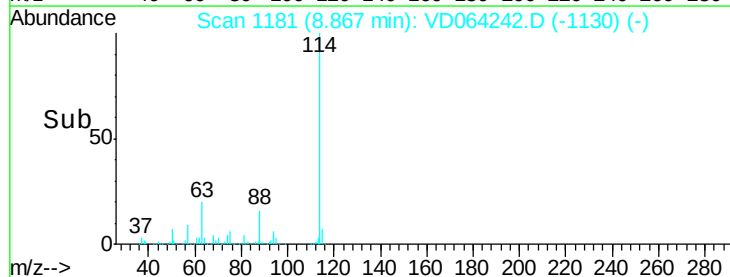
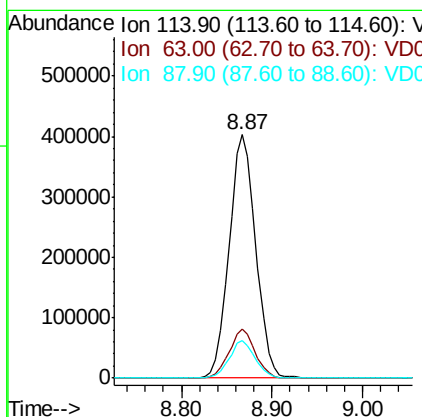
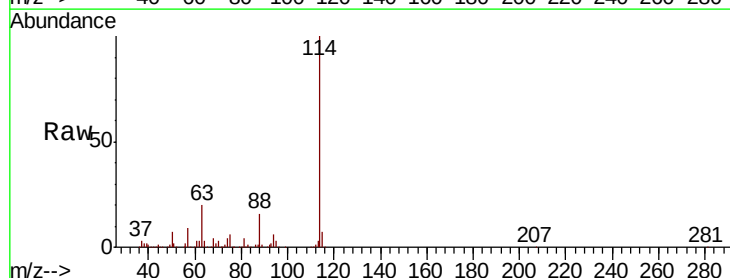
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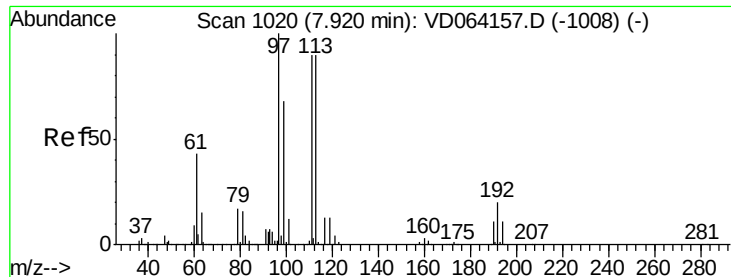
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.0
88	15.6	0.0	30.2





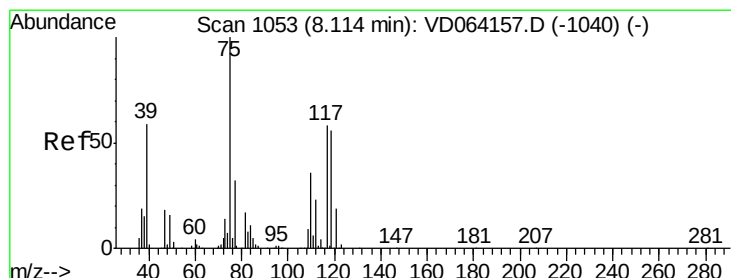
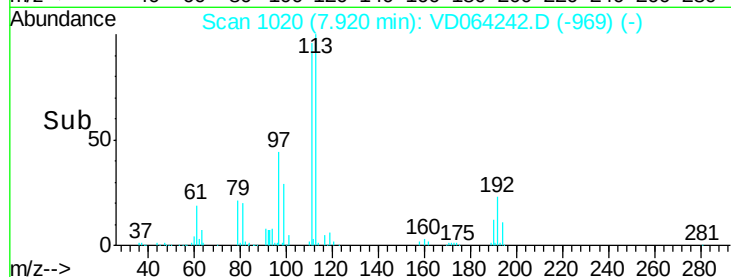
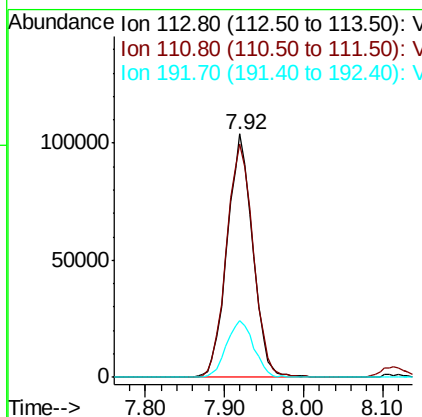
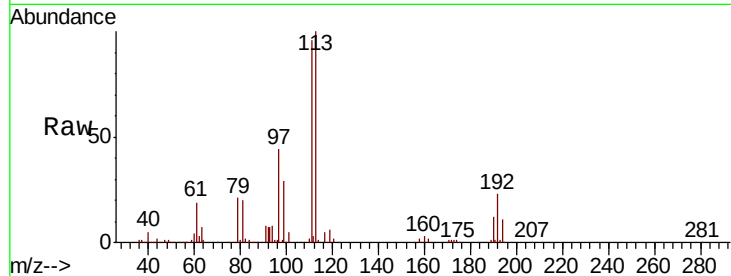
#35
 Dibromofluoromethane
 Concen: 49.200 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	232003		
111	101.0		81.5	122.3
192	24.8		18.8	28.2

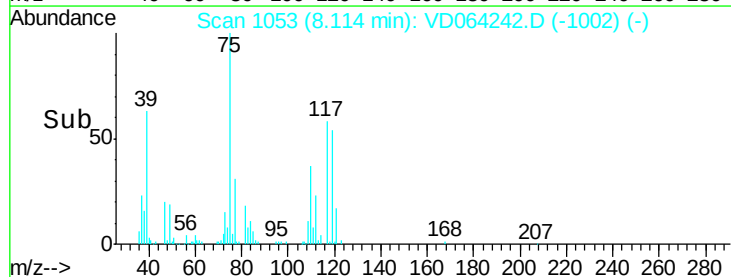
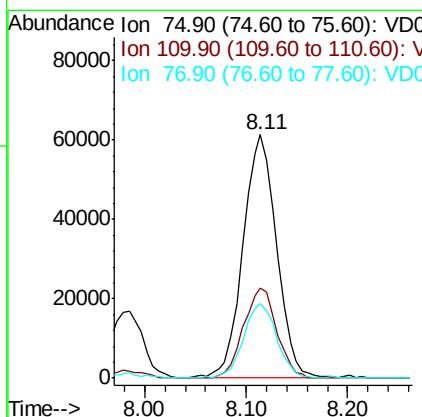
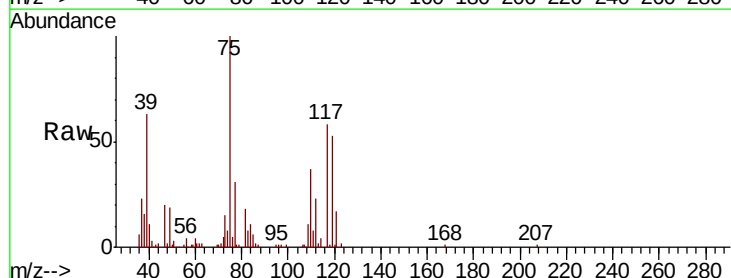
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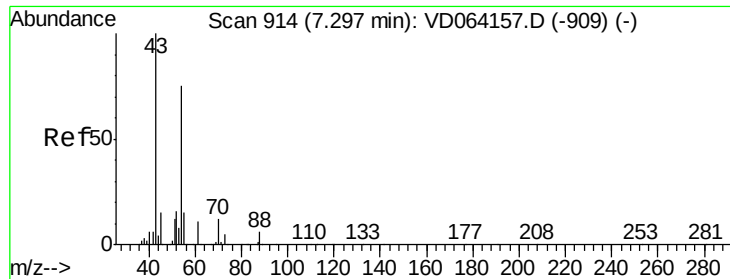
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#36
 1,1-Dichloropropene
 Concen: 18.458 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139941		
110	37.0		18.3	54.9
77	30.9		25.0	37.6





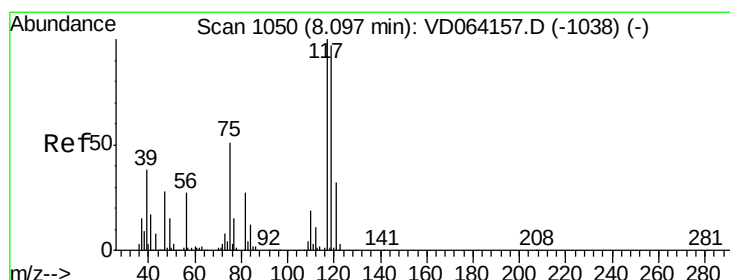
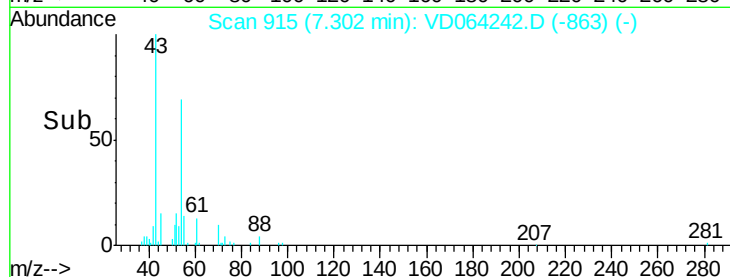
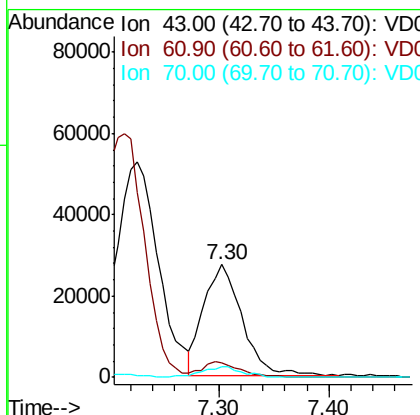
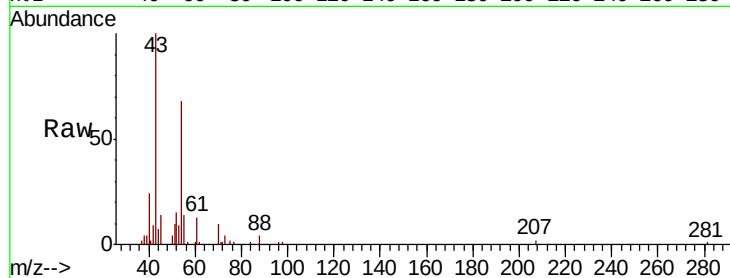
#37
Ethyl Acetate
Concen: 20.484 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.2	15.2
70	10.0	8.5	12.7

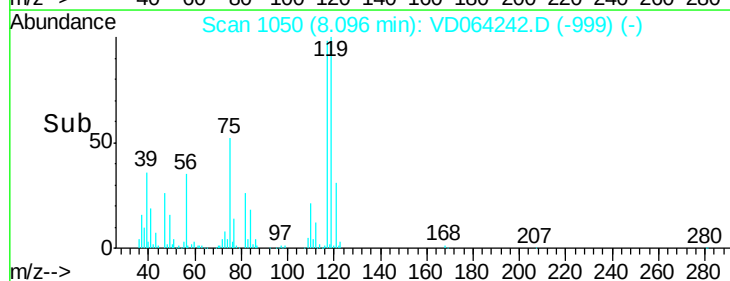
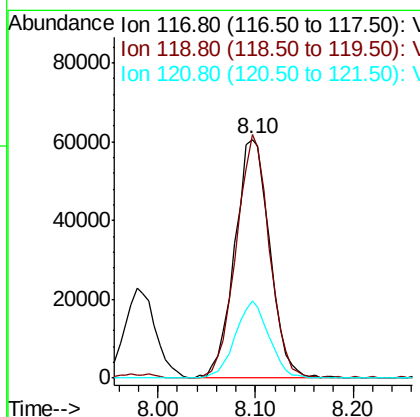
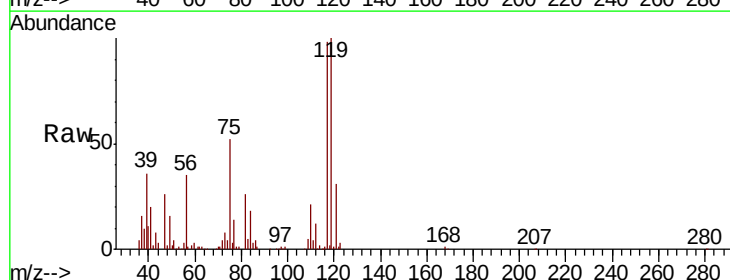
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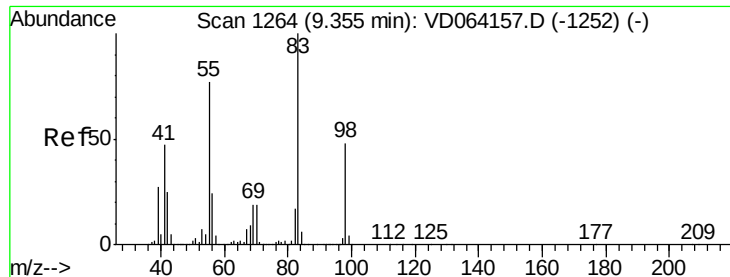
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#38
Carbon Tetrachloride
Concen: 18.629 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.1	77.2	115.8
121	32.1	25.5	38.3





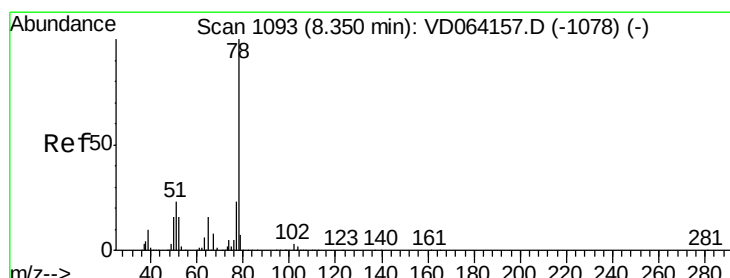
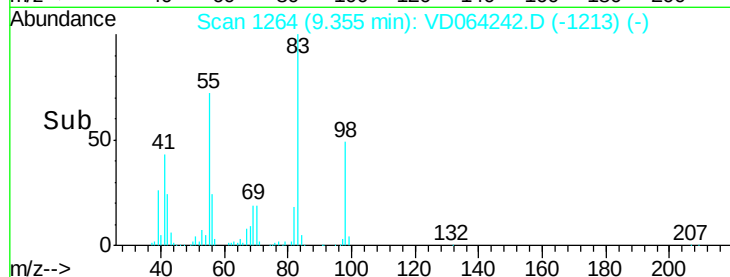
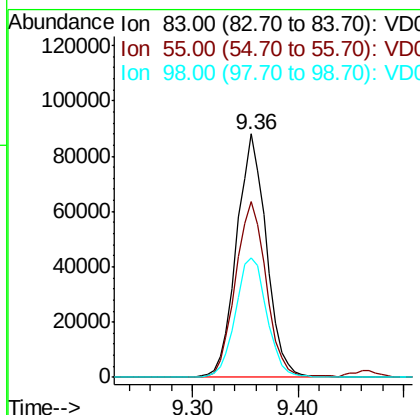
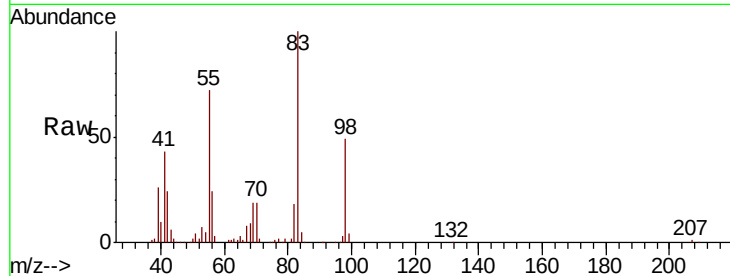
#39
Methylvlcyclohexane
Concen: 17.982 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	61.7	92.5
98	48.8	38.6	58.0

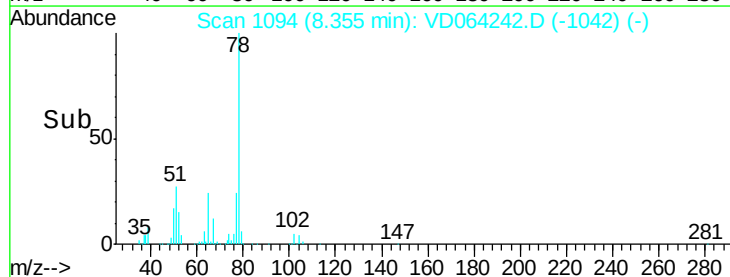
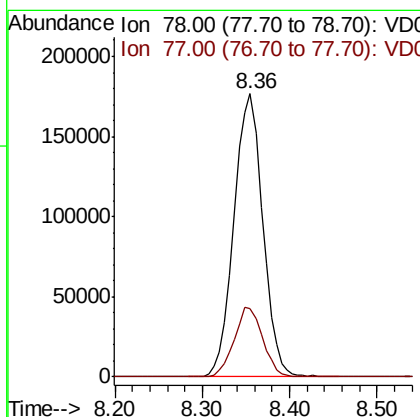
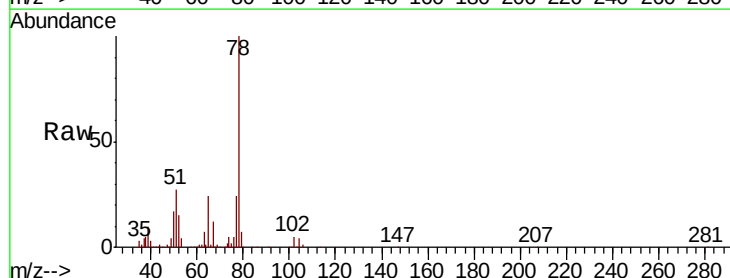
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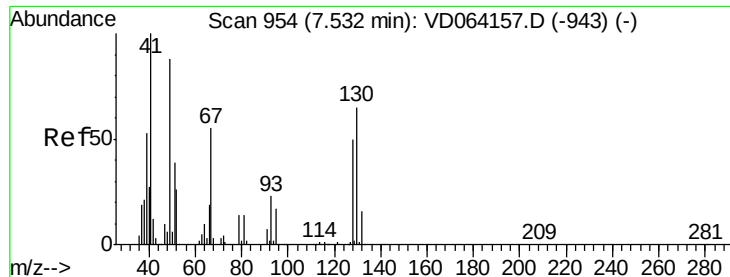
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#40
Benzene
Concen: 19.024 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.6	28.0





#41

Methacrylonitrile

Concen: 17.642 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 41 Resp: 35442

Ion Ratio Lower Upper

41 100

39 58.0 49.4 74.2

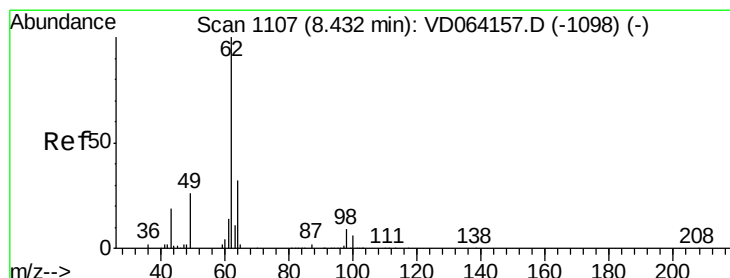
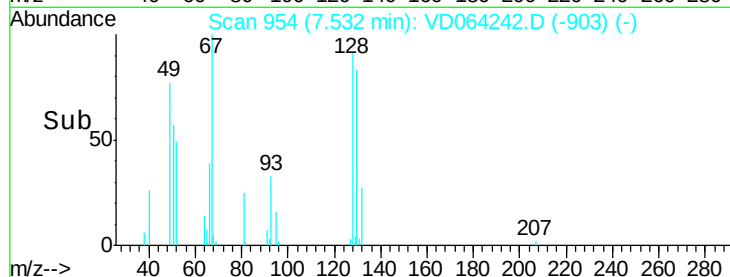
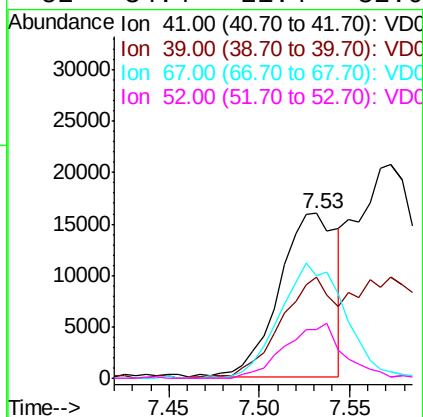
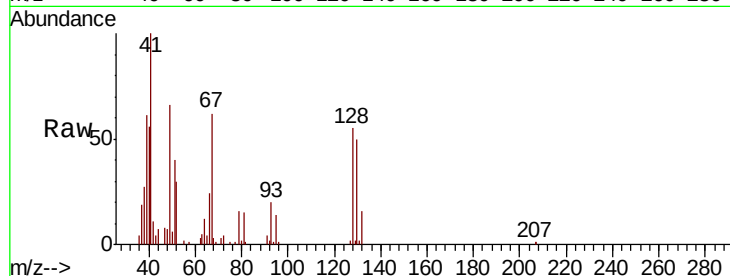
67 79.9 49.6 74.4#

52 34.4 21.4 32.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.551 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064242.D

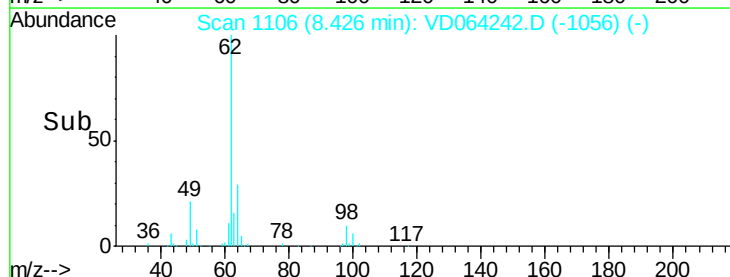
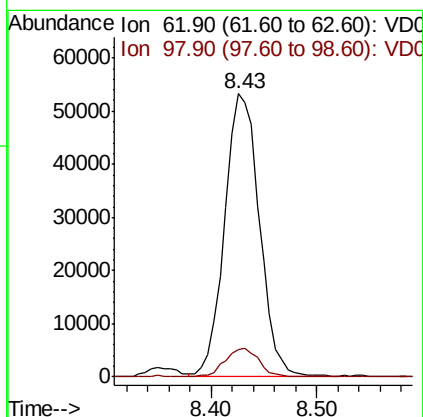
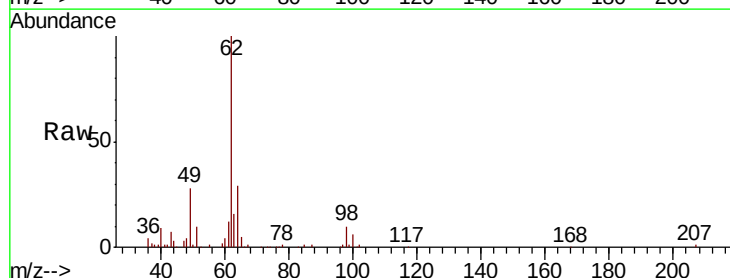
Acq: 16 Nov 2019 00:07

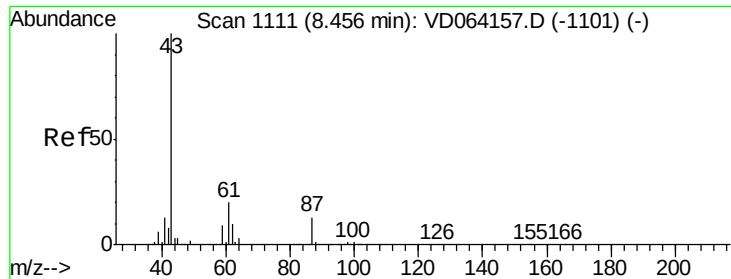
Tgt Ion: 62 Resp: 121670

Ion Ratio Lower Upper

62 100

98 9.7 0.0 19.0





#43

Isopropyl Acetate

Concen: 19.312 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

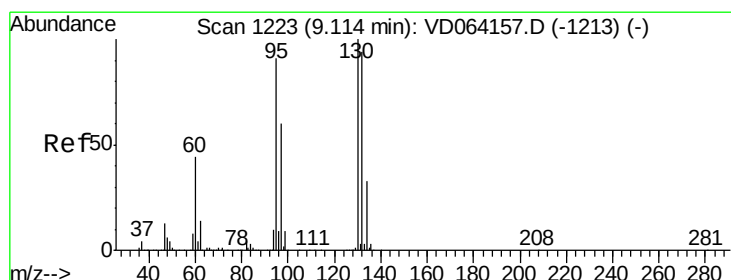
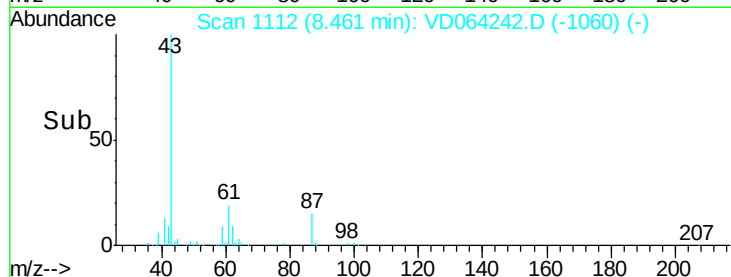
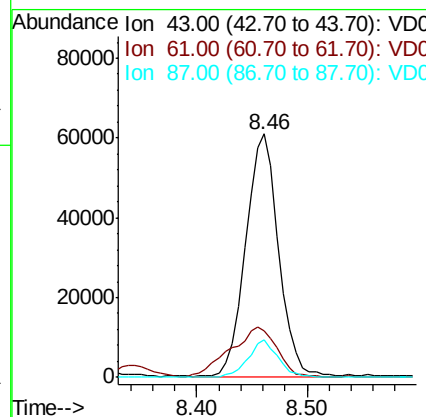
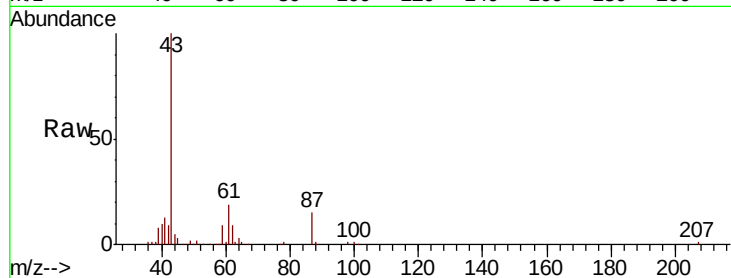
ClientSampleId :

VD1115SBS02

Tot Ion:	43	Resp:	127179
Ion	Ratio	Lower	Upper
43	100		
61	29.4	22.9	34.3
87	14.0	10.2	15.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.120 ug/l

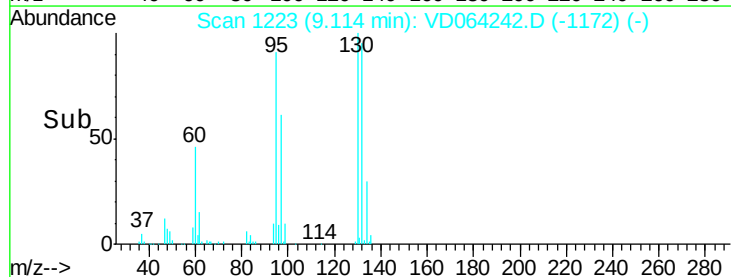
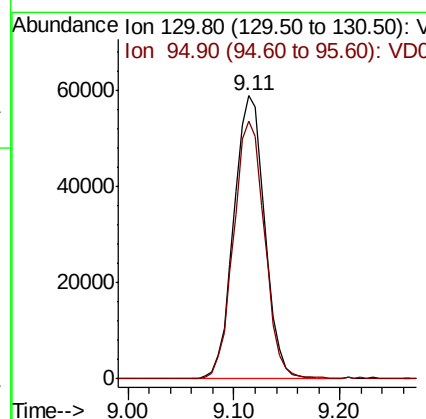
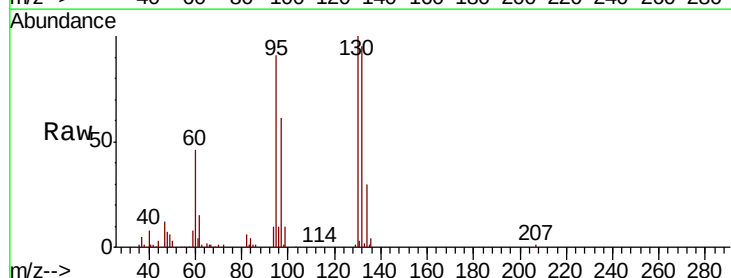
RT: 9.11 min Scan# 1223

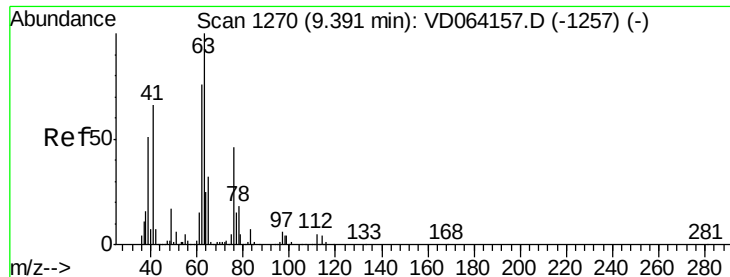
Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Tgt Ion:	130	Resp:	118905
Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	181.6





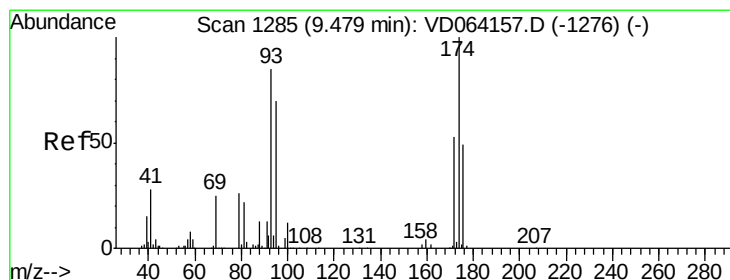
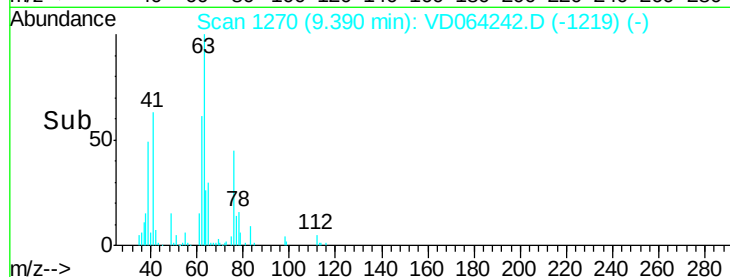
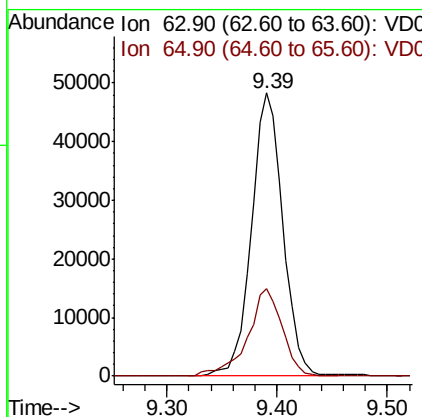
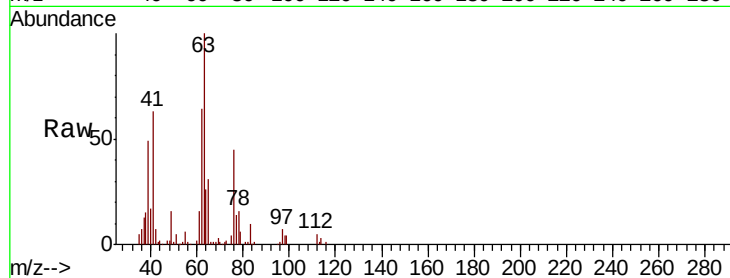
#45
 1,2-Dichloropropane
 Concen: 19.117 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.7	38.5

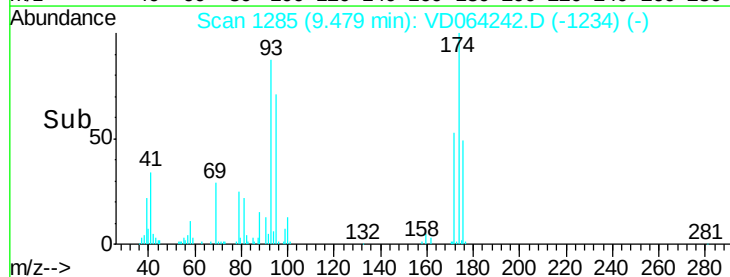
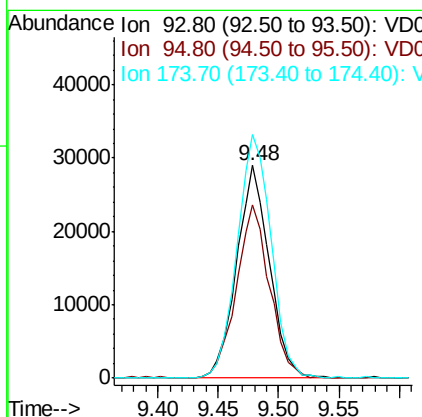
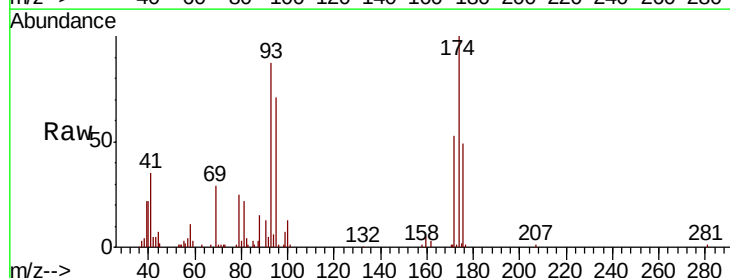
Manual Integrations
 APPROVED

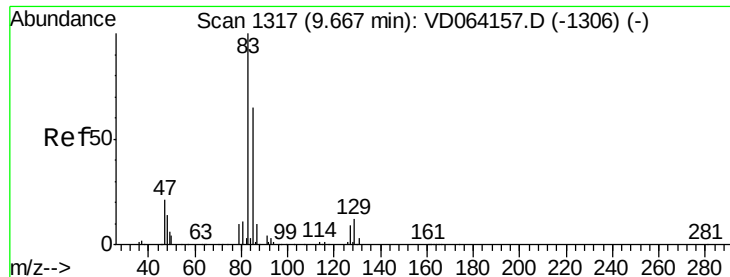
MMDADODA
 11/19/2019 12:22:30 PM



#46
 Dibromomethane
 Concen: 20.360 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.5	98.3
174	118.4	93.9	140.9





#47

Bromodichloromethane

Concen: 19.122 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

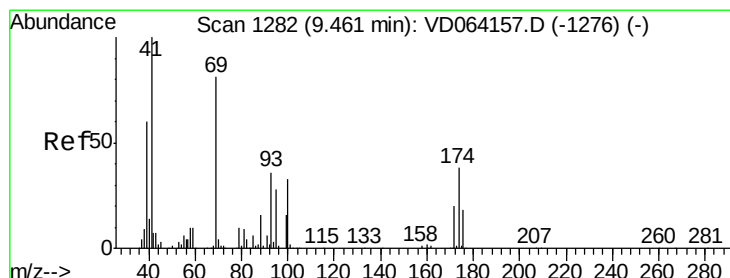
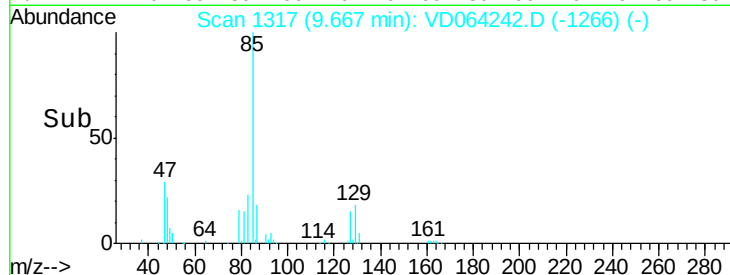
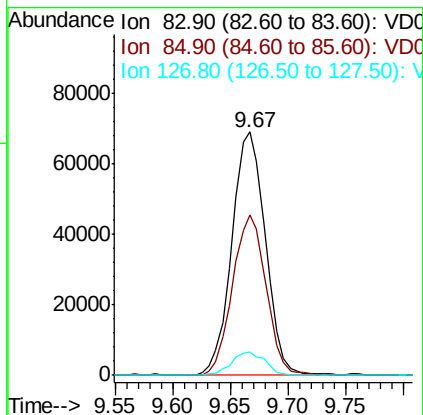
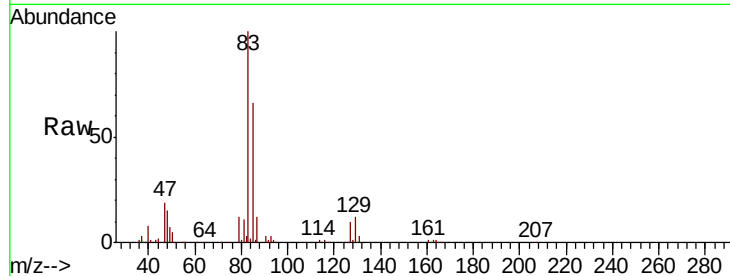
ClientSampleId :

VD1115SBS02

Tot Ion:	83	Resp:	139071
Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.2	78.4
127	9.6	7.5	11.3

Manual Integrations
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11/19/2019 12:22:30 PM



#48

Methyl methacrylate

Concen: 19.224 ug/l

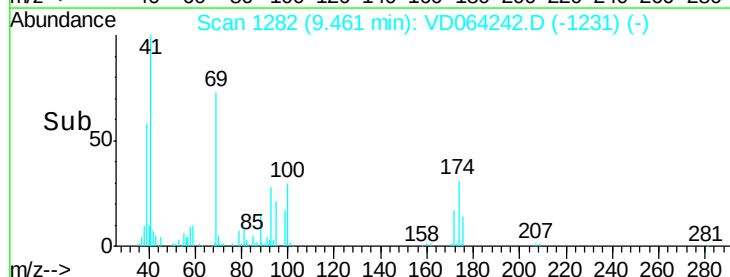
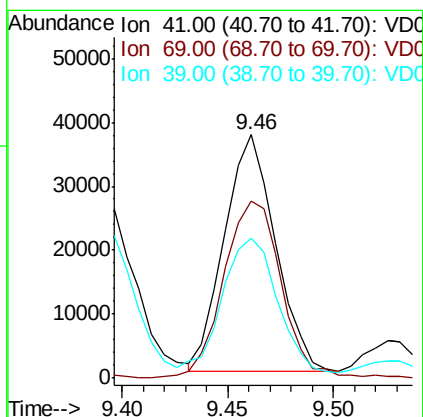
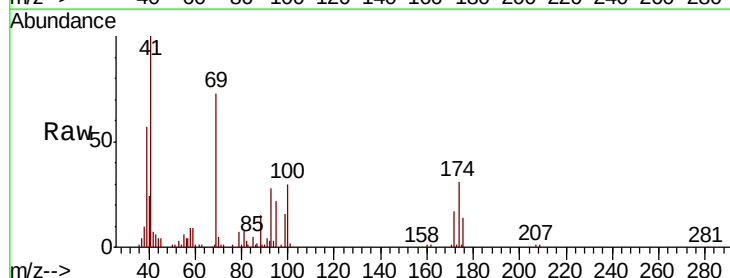
RT: 9.46 min Scan# 1282

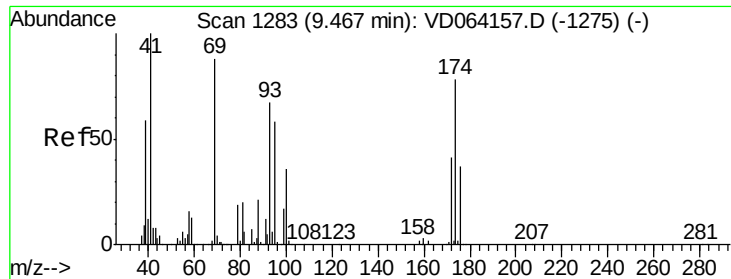
Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Tgt Ion:	41	Resp:	61904
Ion	Ratio	Lower	Upper
41	100		
69	85.0	64.6	97.0
39	66.6	48.2	72.2





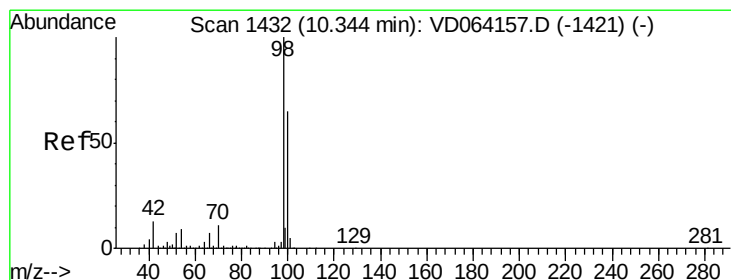
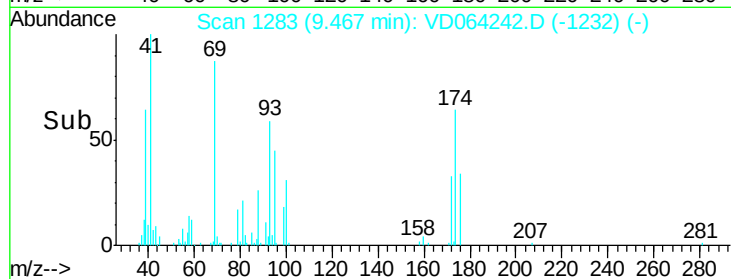
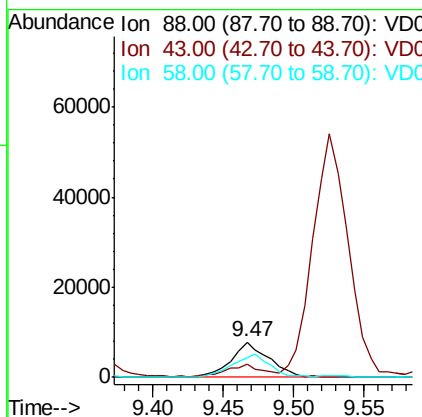
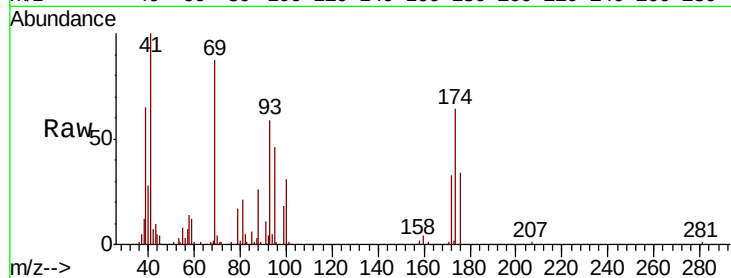
#49
1,4-Dioxane
Concen: 448.206 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	88	Resp	14534
Ion	Ratio	Lower	Upper
88	100		
43	33.2	29.8	44.8
58	66.4	58.1	87.1

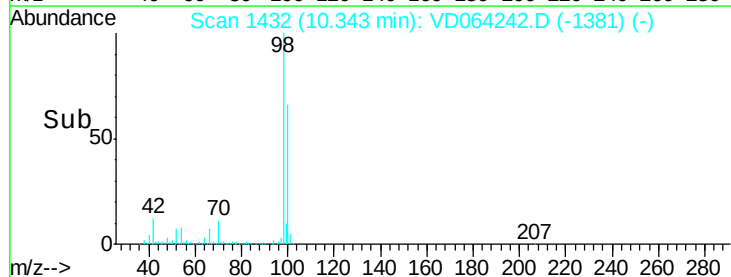
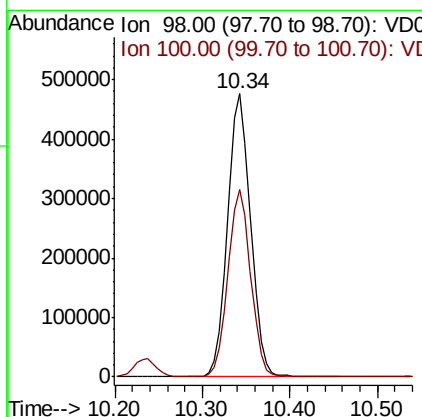
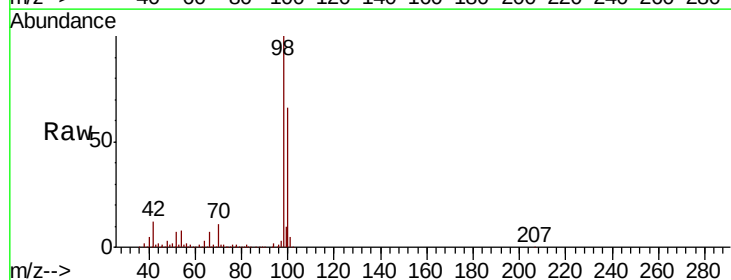
Manual Integrations
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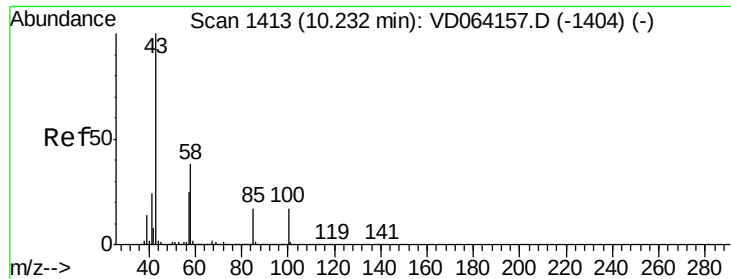
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11/19/2019 12:22:30 PM



#50
Toluene-d8
Concen: 48.129 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	98	Resp	856161
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	78.8





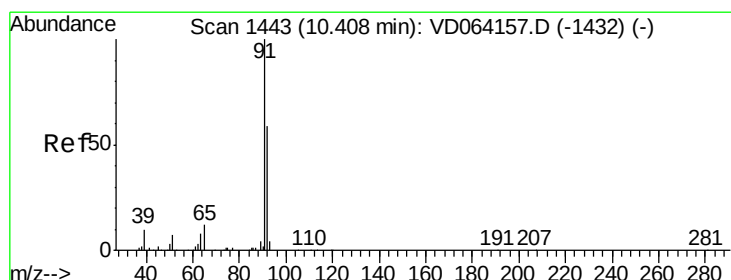
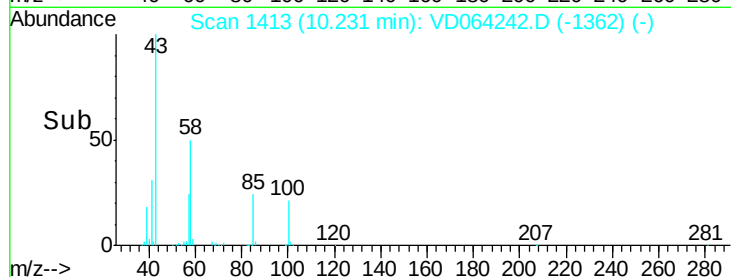
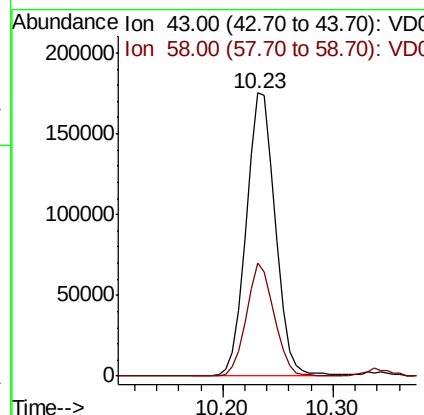
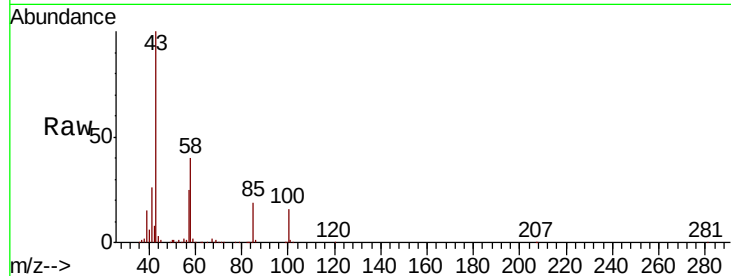
#51
4-Methyl-2-Pentanone
Concen: 103.095 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.2	45.4

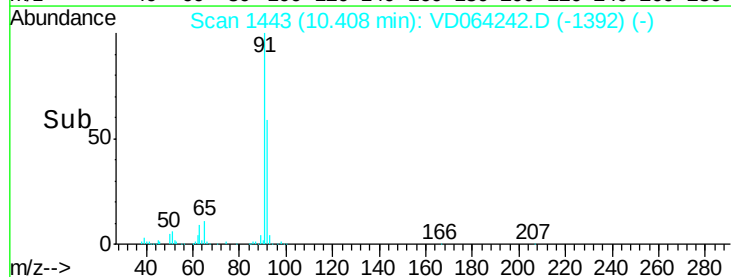
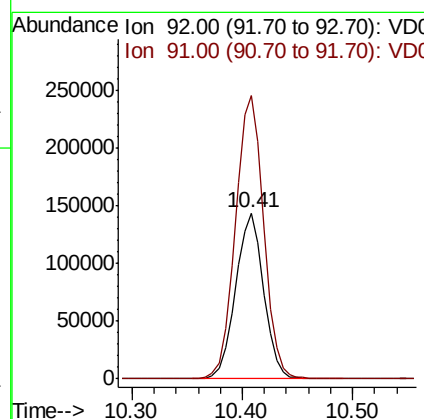
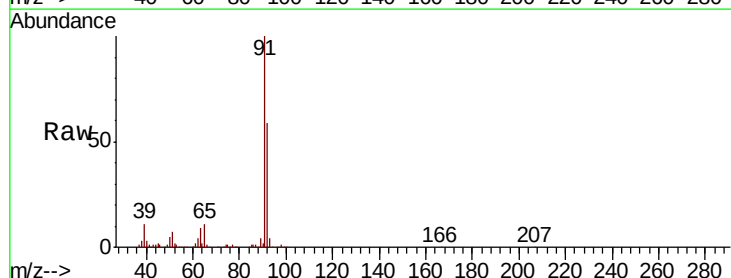
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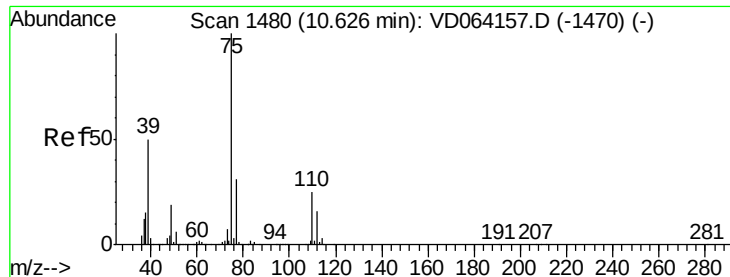
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#52
Toluene
Concen: 18.793 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	136.4	204.6





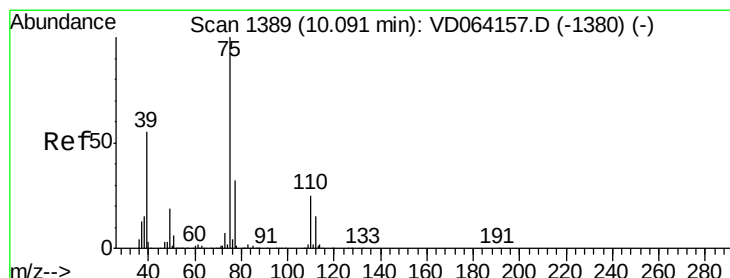
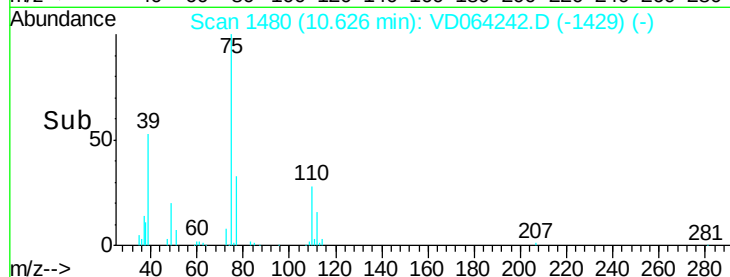
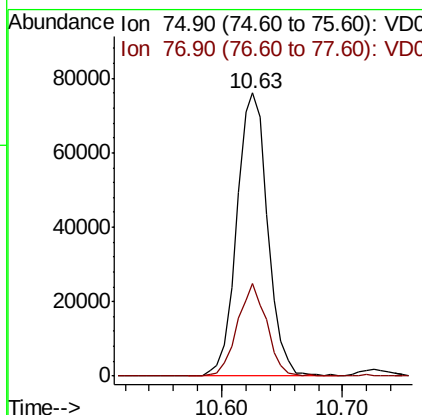
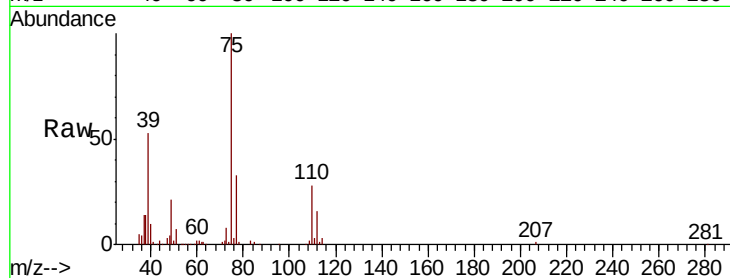
#53
t-1,3-Dichloropropene
Concen: 18.574 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion: 75 Resp: 135333
Ion Ratio Lower Upper
75 100
77 32.8 24.7 37.1

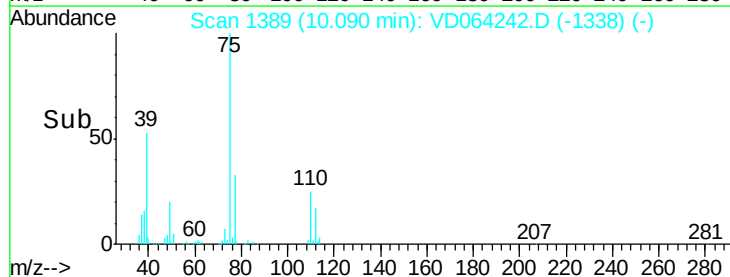
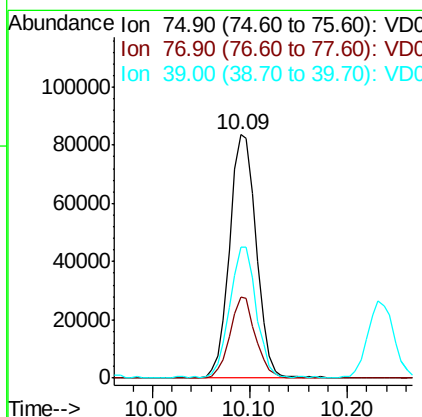
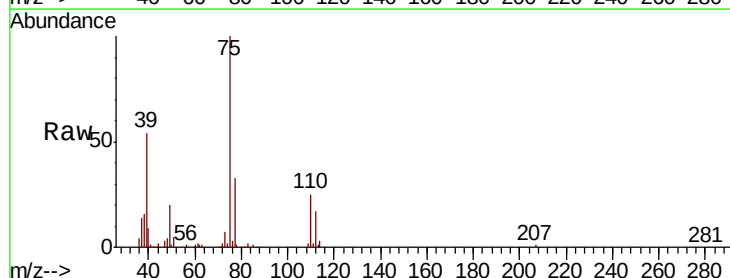
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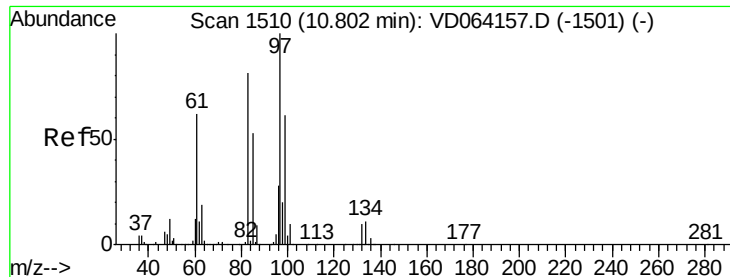
MMDADODA
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#54
cis-1,3-Dichloropropene
Concen: 18.673 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion: 75 Resp: 158768
Ion Ratio Lower Upper
75 100
77 33.3 25.2 37.8
39 53.5 44.2 66.2





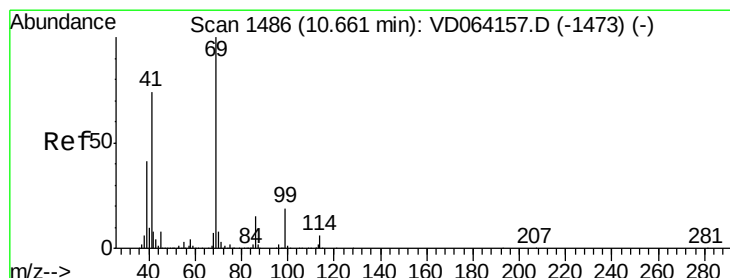
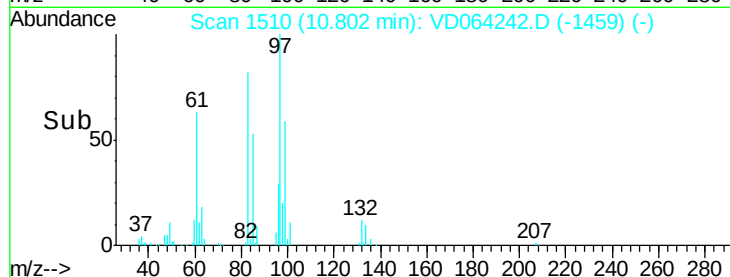
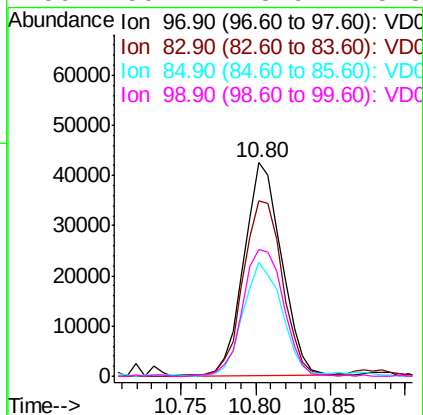
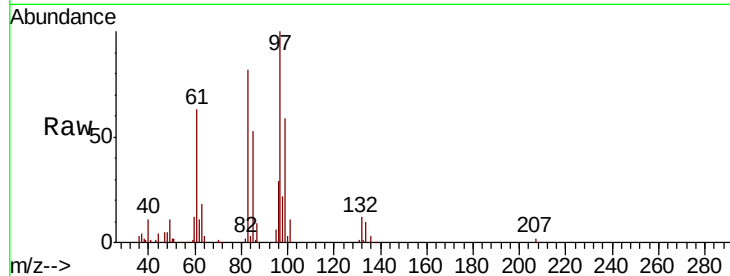
#55
 1,1,2-Trichloroethane
 Concen: 20.163 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion:	97	Resp:	73852
Ion	Ratio	Lower	Upper
97	100		
83	82.8	65.1	97.7
85	53.6	42.0	63.0
99	59.7	48.9	73.3

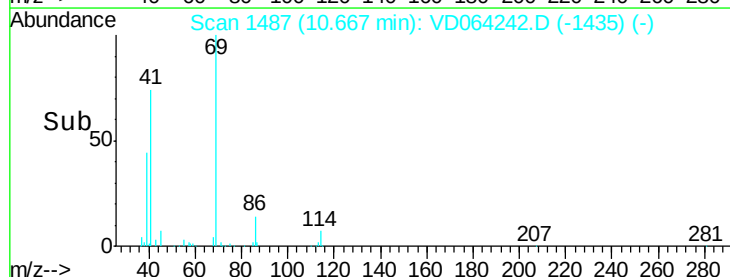
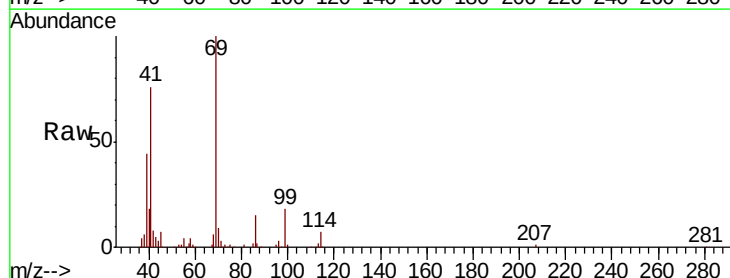
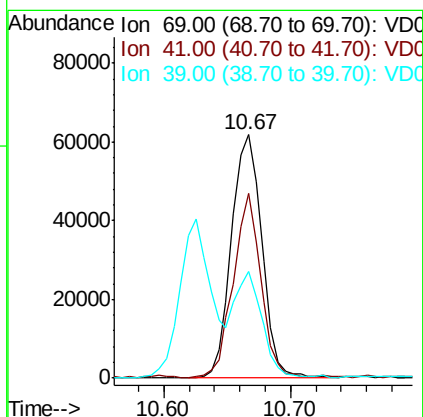
Manual Integrations
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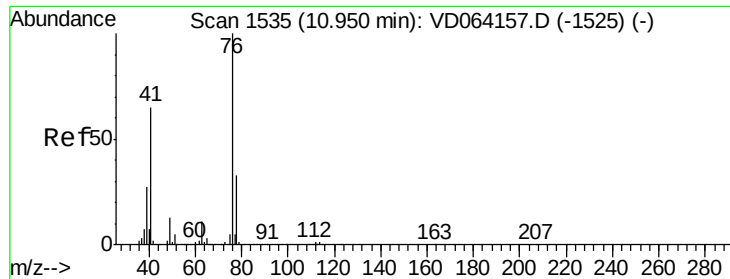
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#56
 Ethyl methacrylate
 Concen: 20.065 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion:	69	Resp:	102808
Ion	Ratio	Lower	Upper
69	100		
41	67.7	57.9	86.9
39	39.3	29.0	43.4





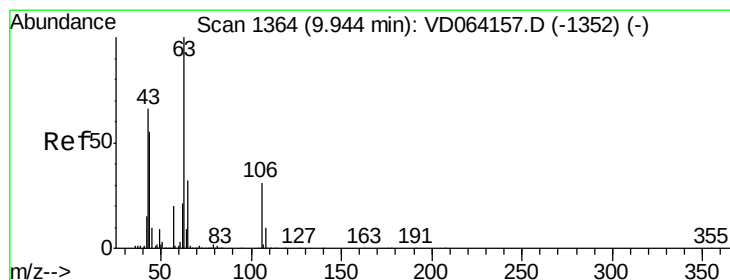
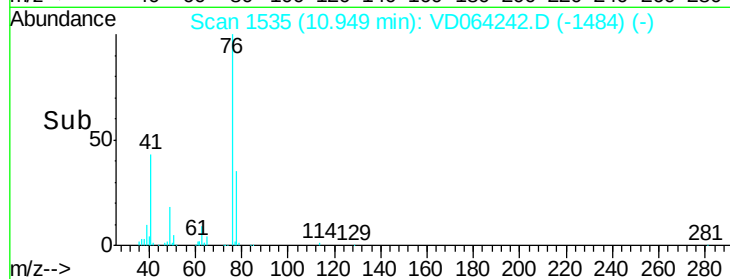
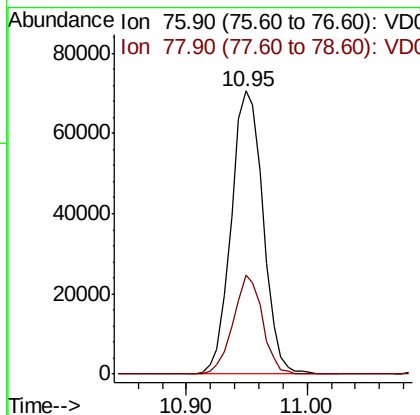
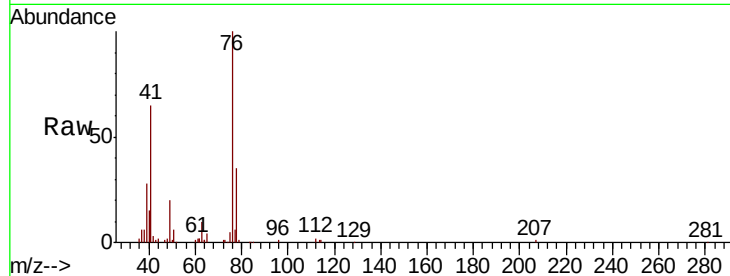
#57
 1,3-Dichloropropane
 Concen: 20.338 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

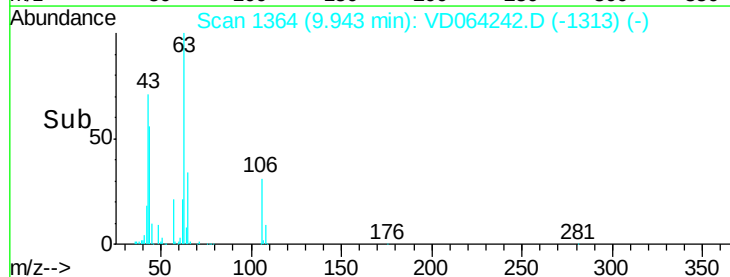
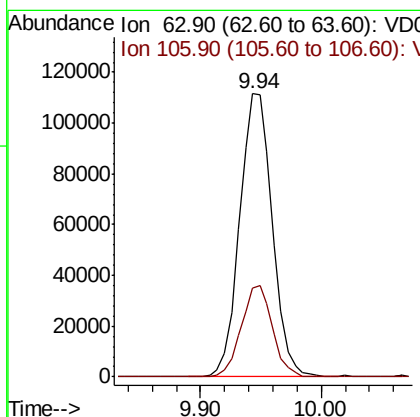
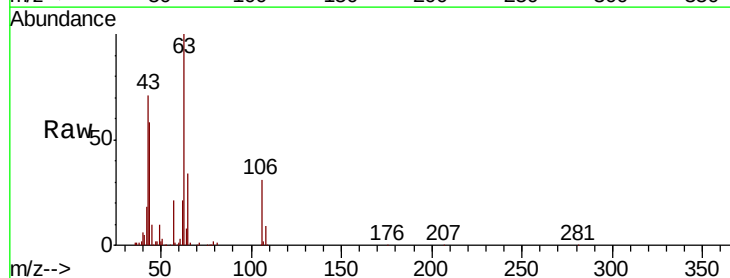
Manual Integrations
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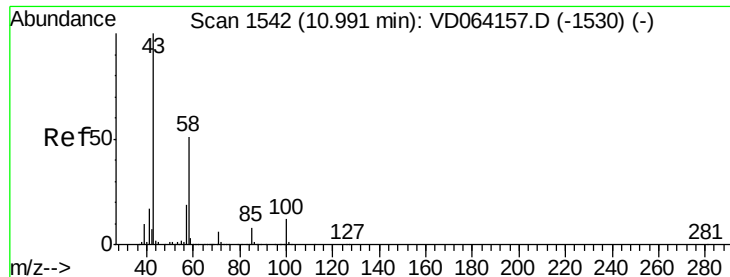
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#58
 2-Chloroethyl Vinyl ether
 Concen: 100.969 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	24.1	36.1





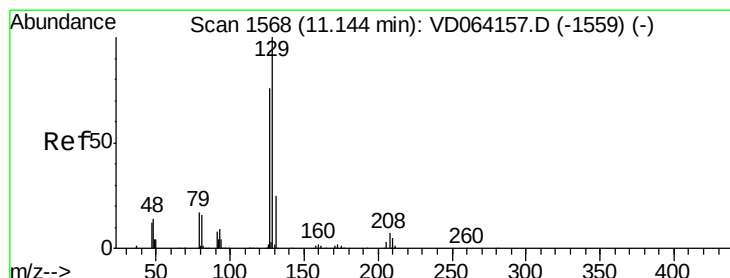
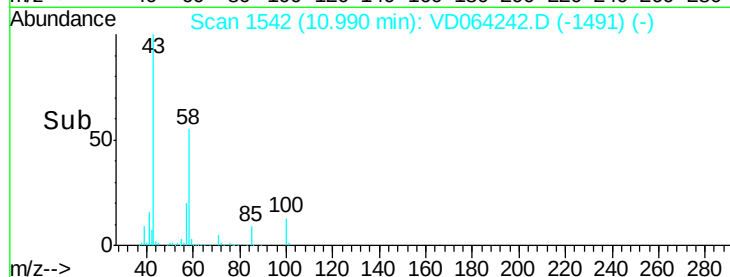
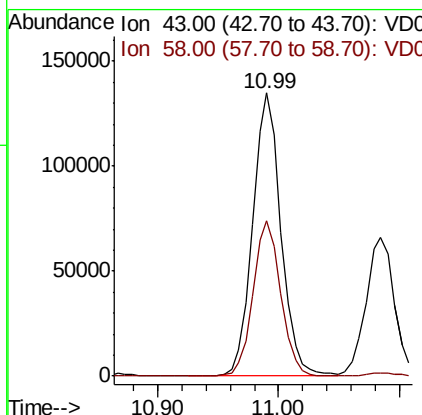
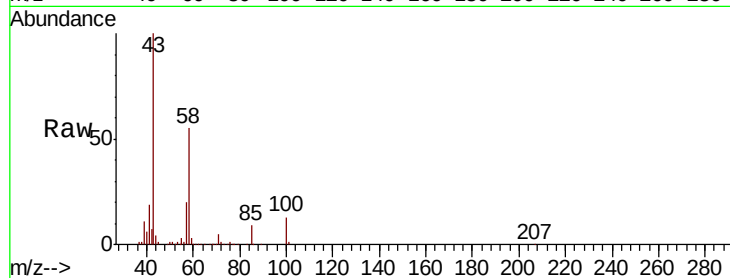
#59
2-Hexanone
Concen: 97.376 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion: 43 Resp: 218784
Ion Ratio Lower Upper
43 100
58 53.9 25.9 77.7

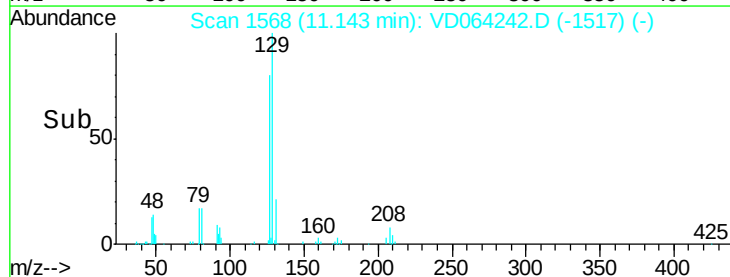
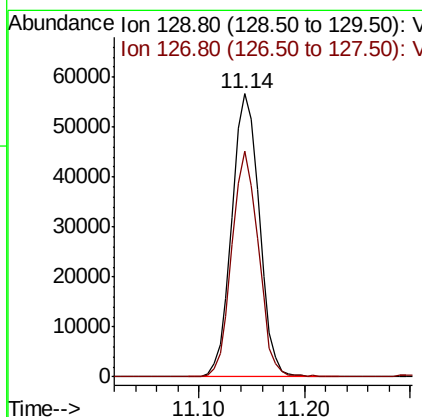
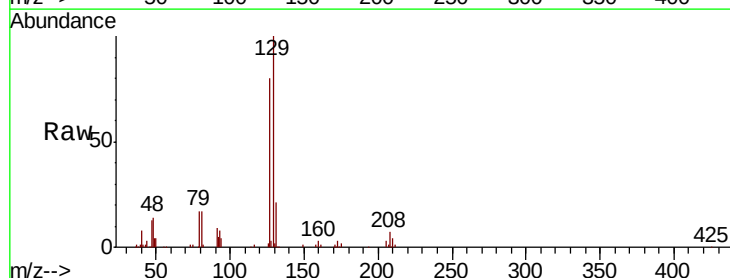
Manual Integrations
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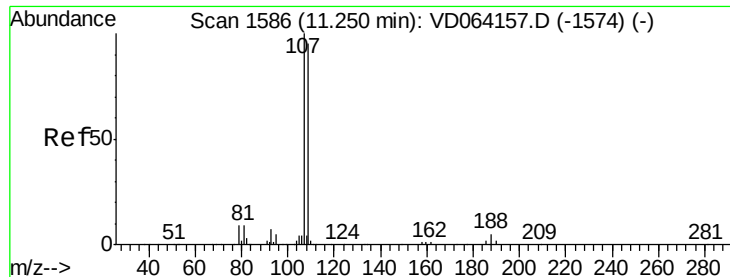
MMDADODA
11/19/2019 12:22:30 PM



#60
Dibromochloromethane
Concen: 19.979 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion: 129 Resp: 102109
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.864 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 107 Resp: 76541

Ion Ratio Lower Upper

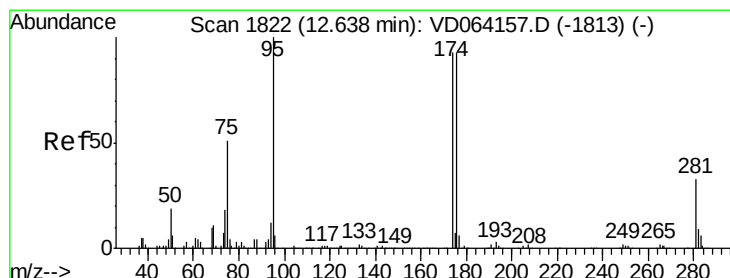
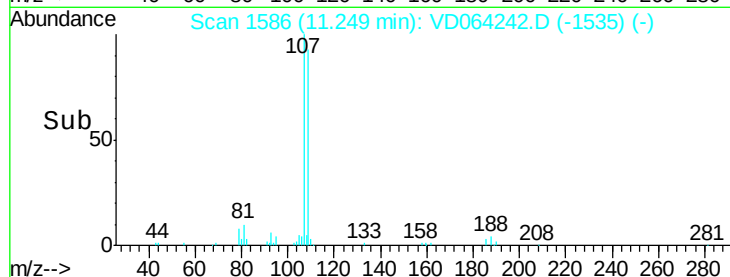
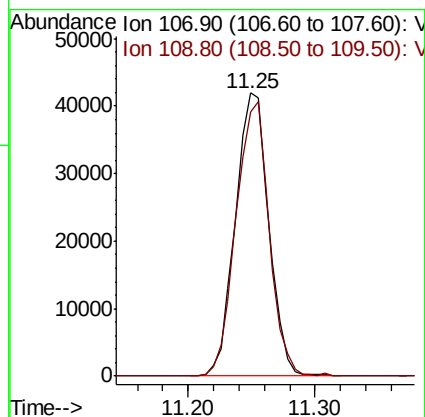
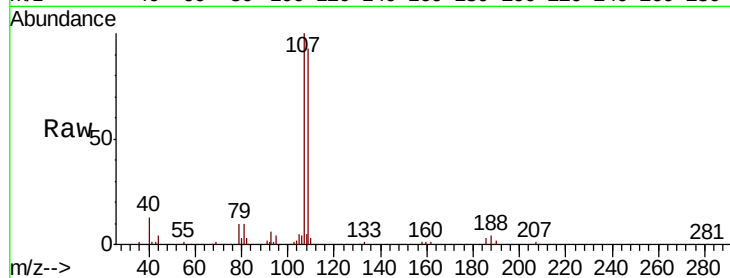
107 100

109 95.9 75.1 112.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 46.581 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

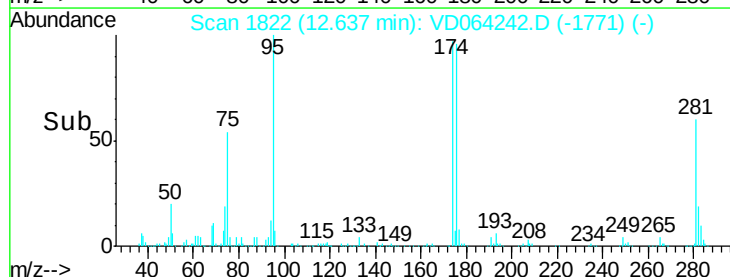
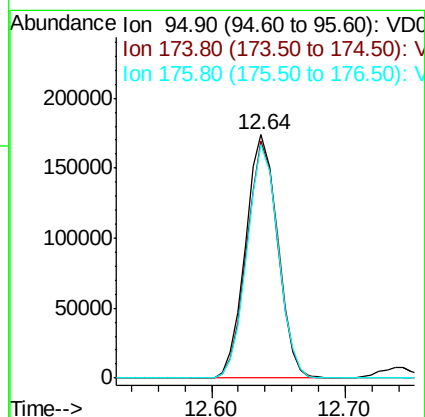
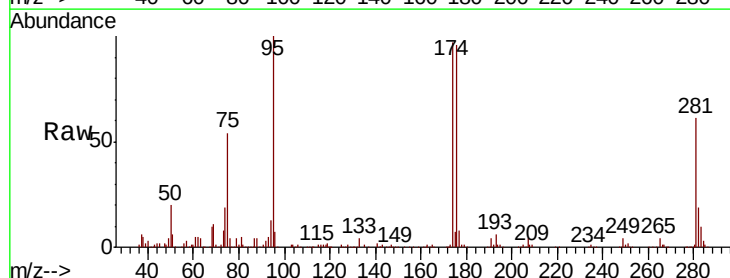
Tgt Ion: 95 Resp: 286957

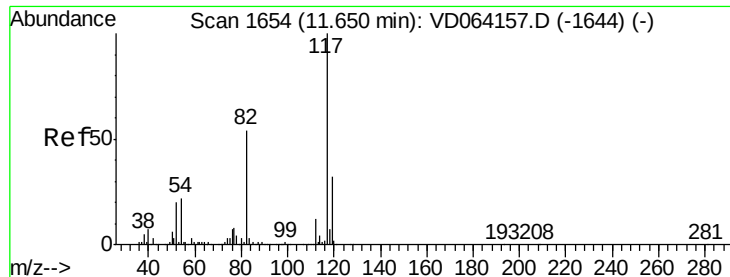
Ion Ratio Lower Upper

95 100

174 95.6 0.0 183.6

176 93.3 0.0 180.2





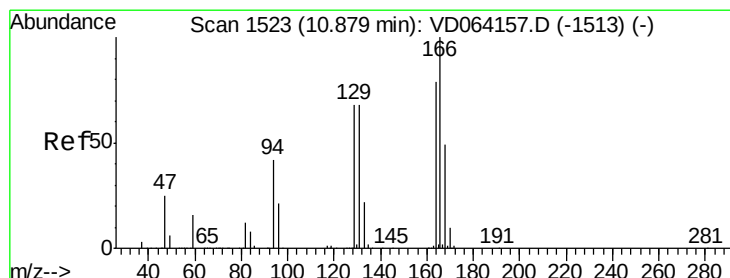
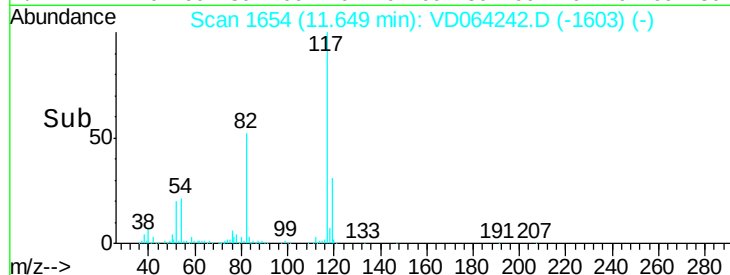
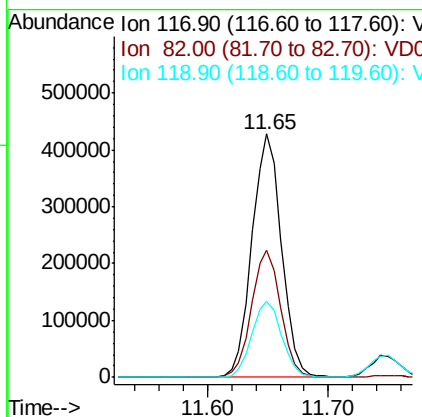
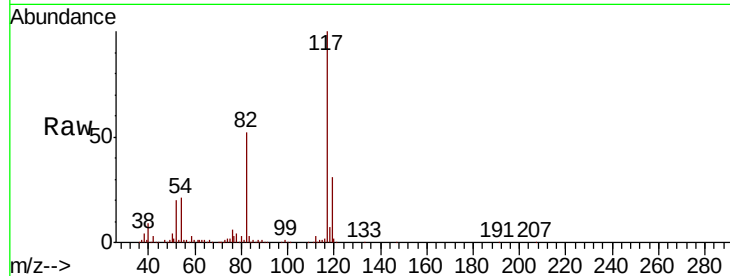
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.8	64.2
119	31.4	25.6	38.4

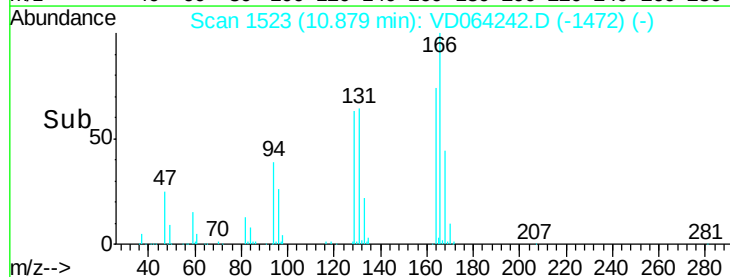
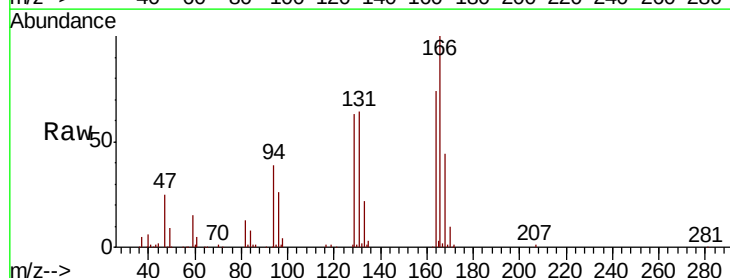
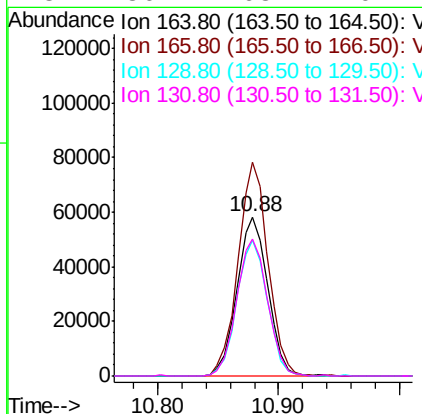
Manual Integrations
APPROVED

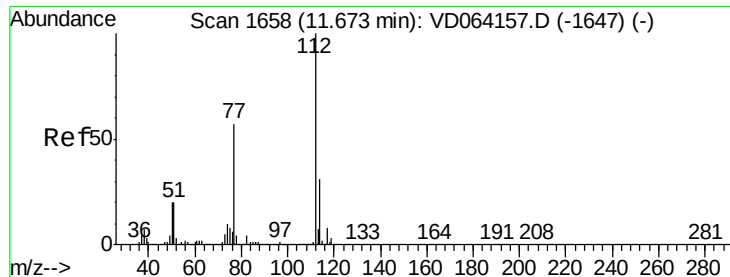
MMDADODA
11/19/2019 12:22:30 PM



#64
Tetrachloroethene
Concen: 18.492 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.4	100.8	151.2
129	85.2	68.7	103.1
131	86.2	68.1	102.1





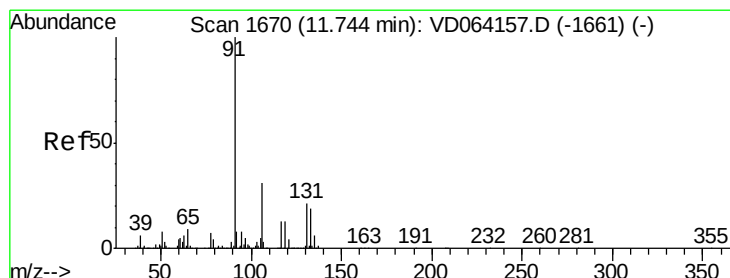
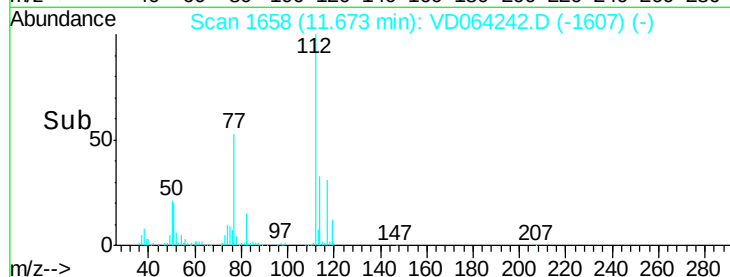
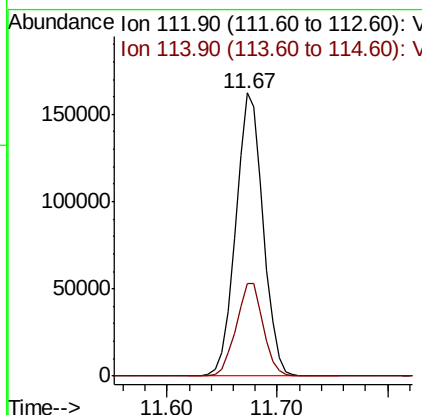
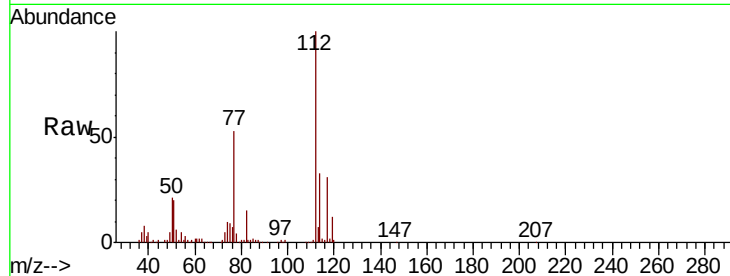
#65
Chlorobenzene
Concen: 18.933 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.2	37.8

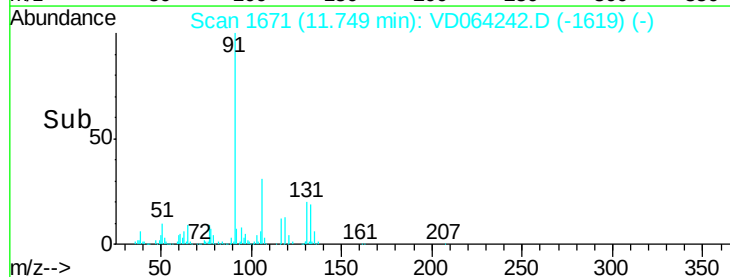
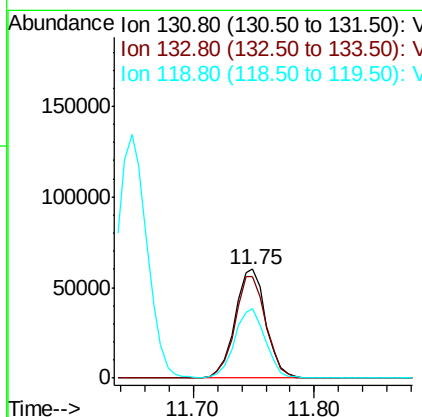
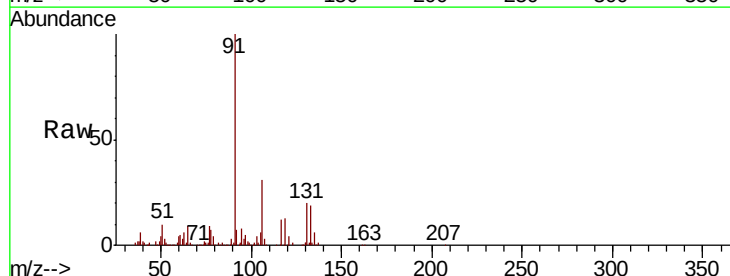
Manual Integrations
APPROVED

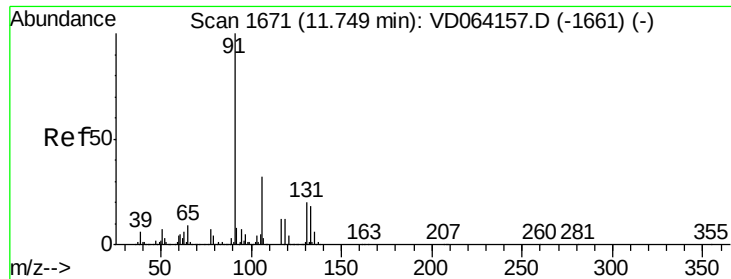
MMDADODA
11/19/2019 12:22:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.019 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	47.3	141.9
119	63.6	31.1	93.3





#67

Ethyl Benzene

Concen: 18.596 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 91 Resp: 499163

Ion Ratio Lower Upper

91 100

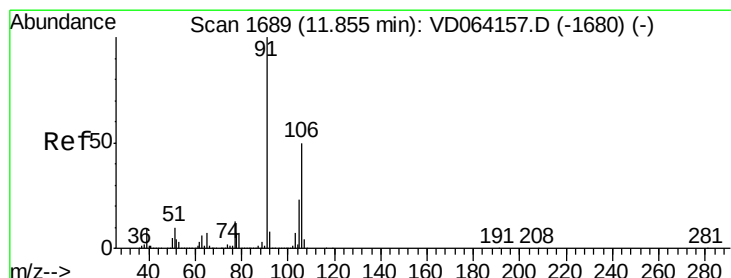
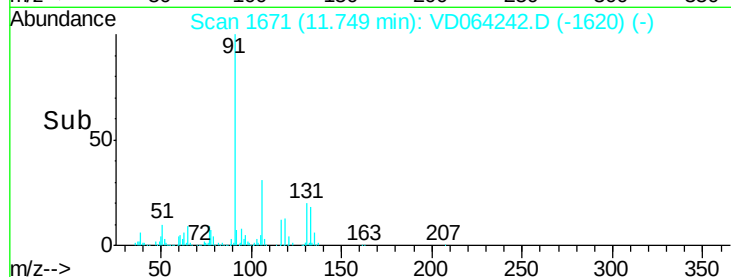
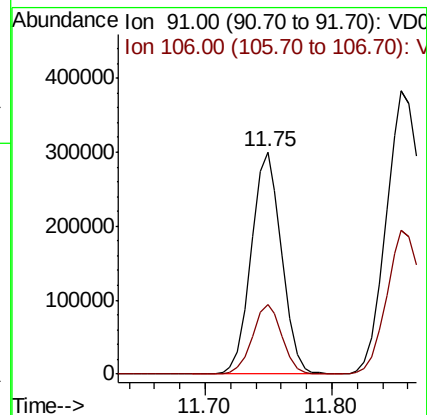
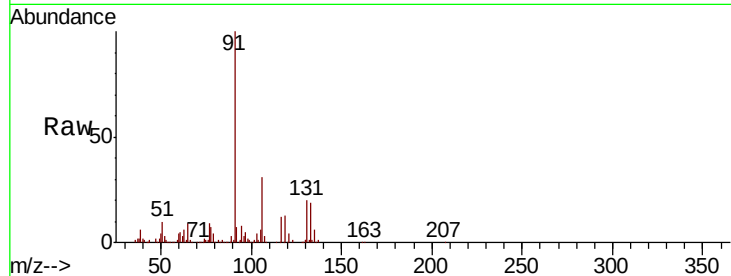
106 31.3 25.5 38.3

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 36.423 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064242.D

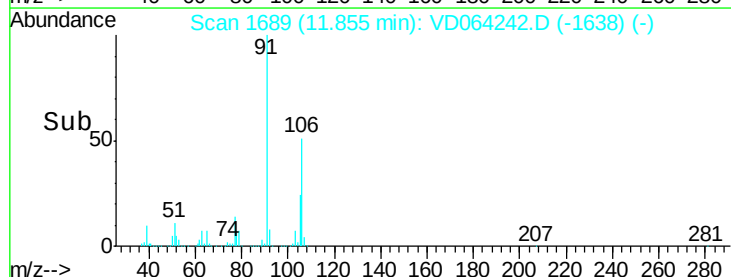
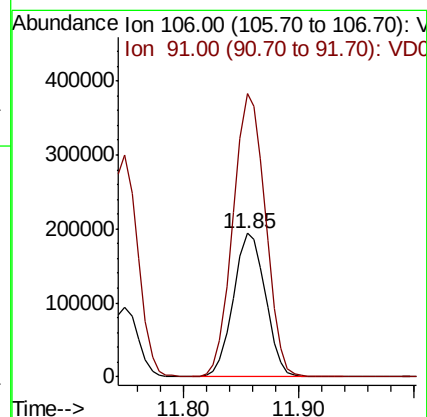
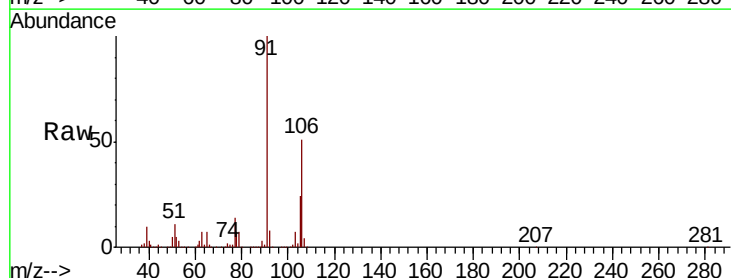
Acq: 16 Nov 2019 00:07

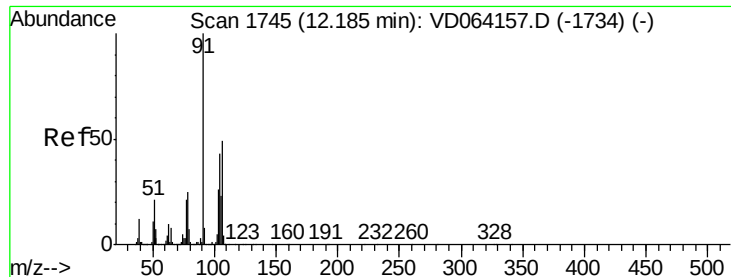
Tgt Ion: 106 Resp: 374739

Ion Ratio Lower Upper

106 100

91 199.2 160.3 240.5





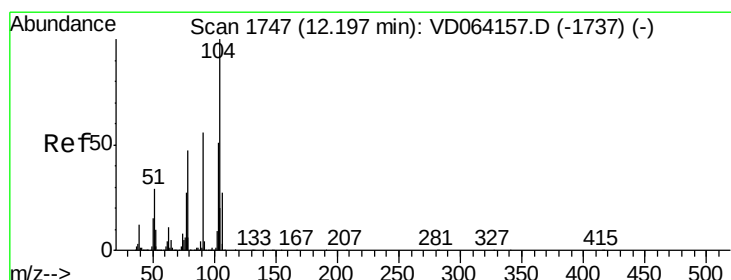
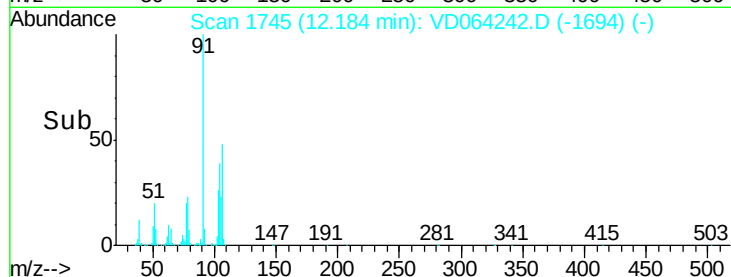
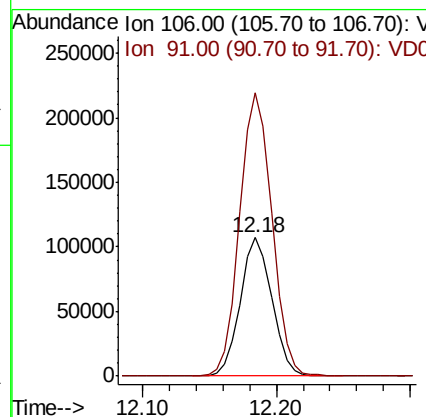
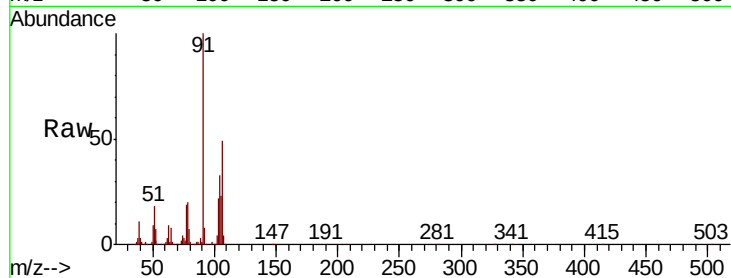
#69
o-Xylene
Concen: 18.406 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.0	105.1	315.3

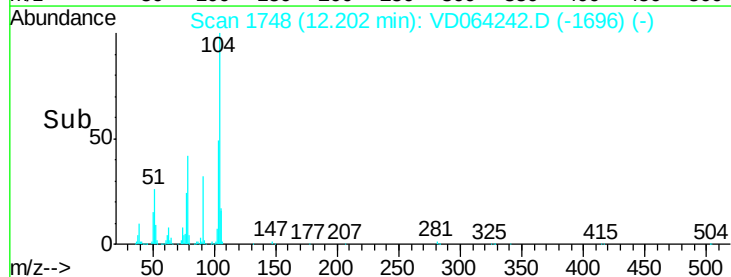
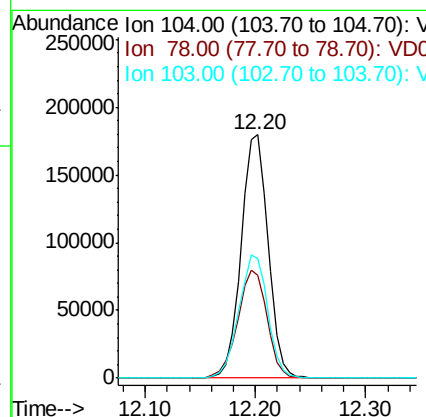
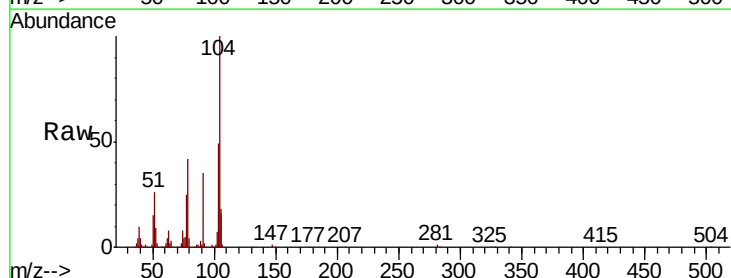
Manual Integrations
APPROVED

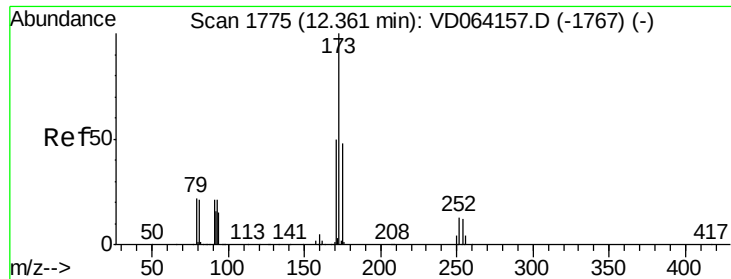
MMDADODA
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#70
Styrene
Concen: 18.536 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	39.9	59.9
103	54.3	43.4	65.0





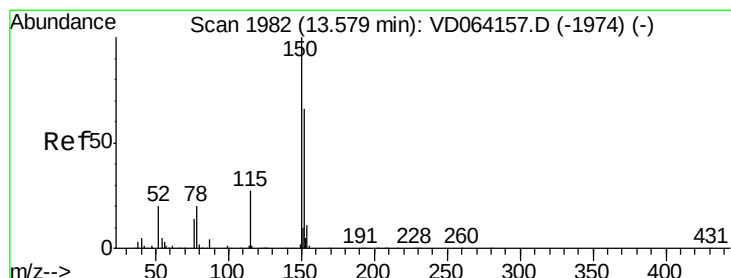
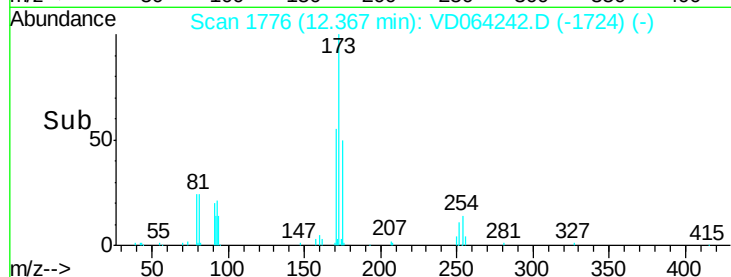
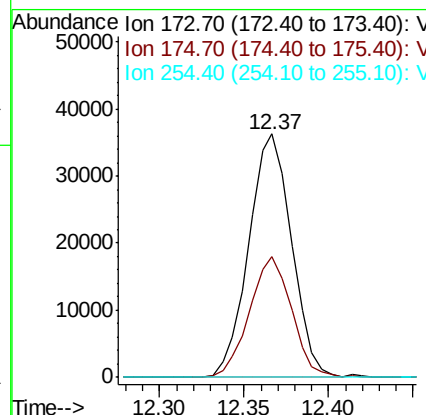
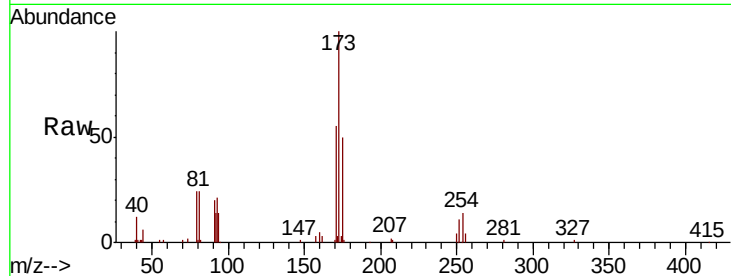
#71
Bromoform
Concen: 19.907 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.0	0.2	0.2

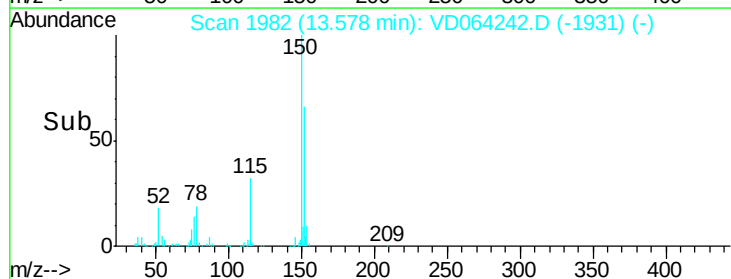
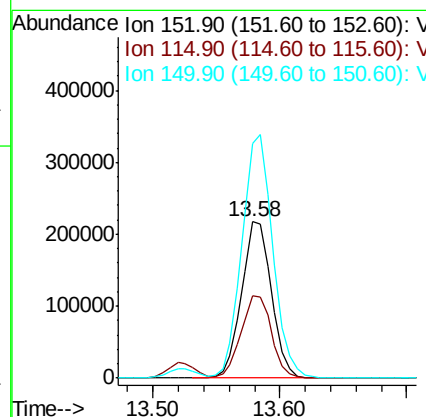
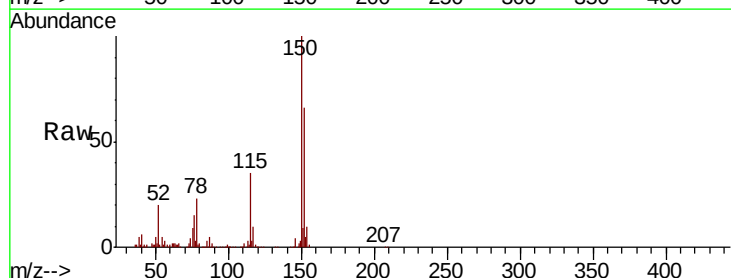
Manual Integrations
APPROVED

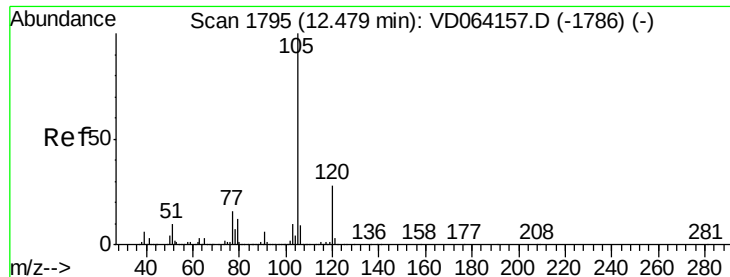
MMDADODA
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.4	82.2
150	161.1	0.0	351.6





#73

Isopropylbenzene

Concen: 18.244 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion:105 Resp: 474085

Ion Ratio Lower Upper

105 100

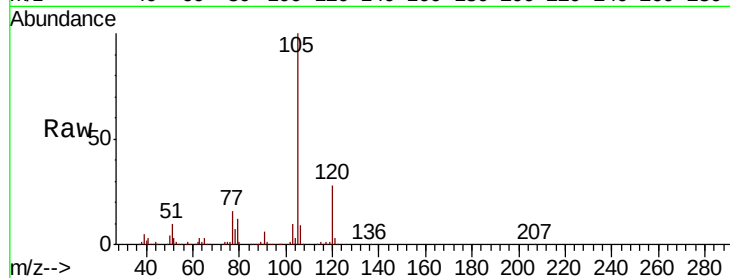
120 27.4 13.6 40.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

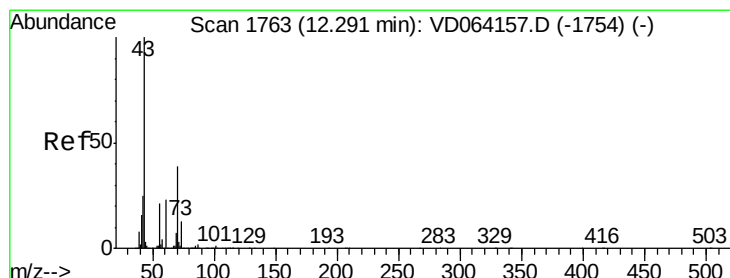
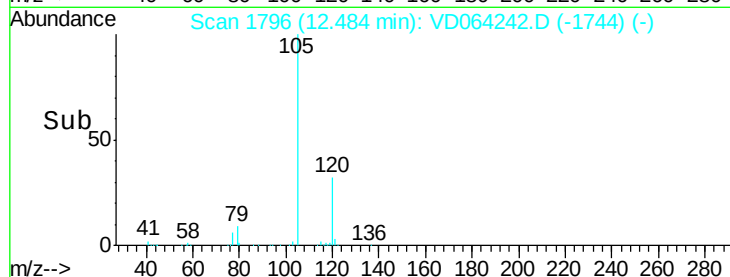
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.510 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Tgt Ion: 43 Resp: 113583

Ion Ratio Lower Upper

43 100

70 41.5 32.4 48.6

55 24.3 17.9 26.9

61 24.1 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

100000

80000

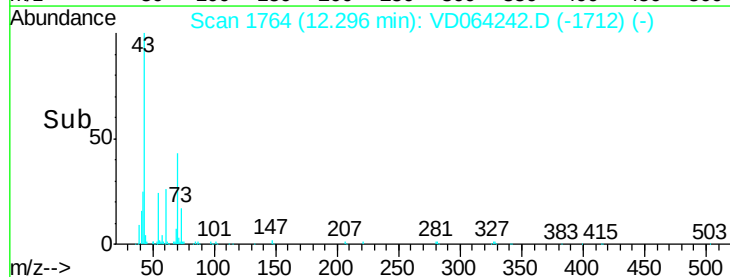
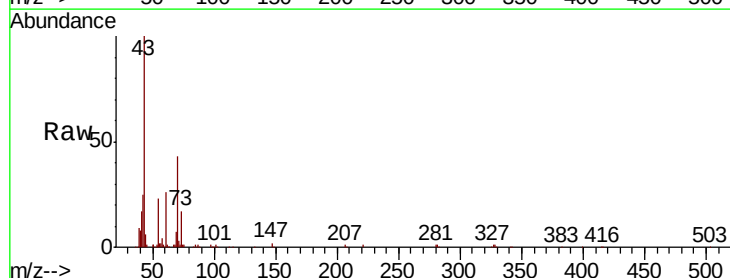
60000

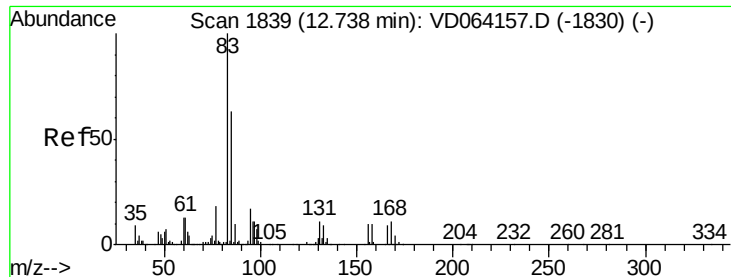
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.688 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

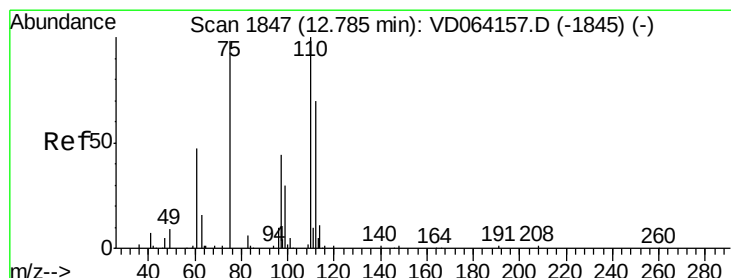
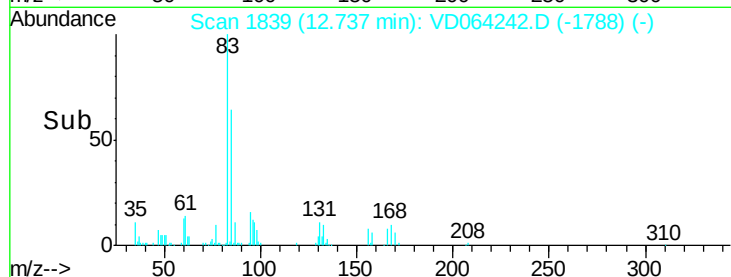
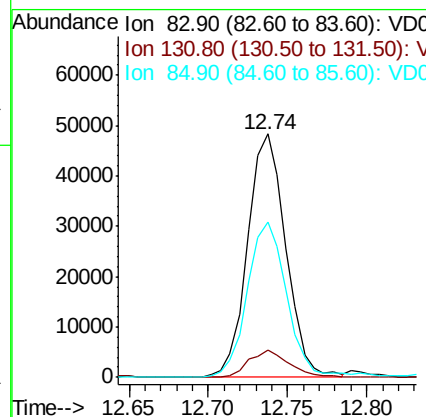
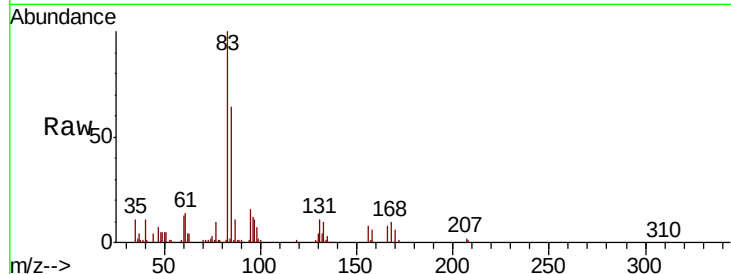
ClientSampleId :

VD1115SBS02

Tot Ion:	83	Resp:	81005
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.9	17.7
85	65.8	32.5	97.5

Manual Integrations
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11/19/2019 12:22:30 PM



#76

1,2,3-Trichloropropane

Concen: 18.228 ug/l m

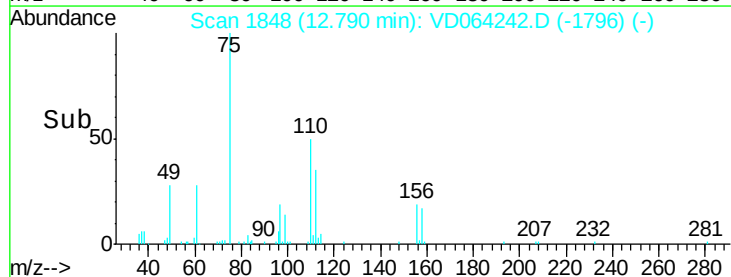
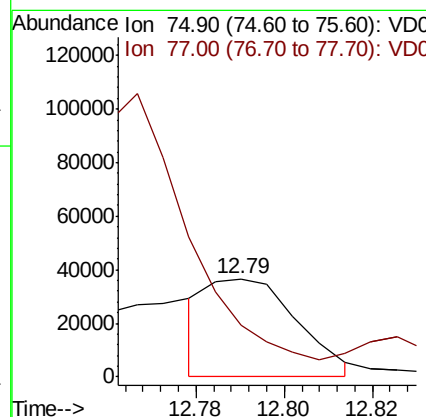
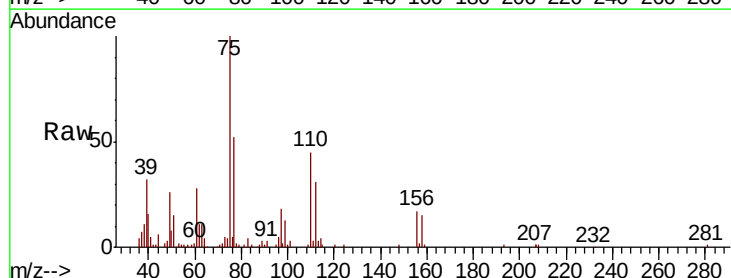
RT: 12.79 min Scan# 1848

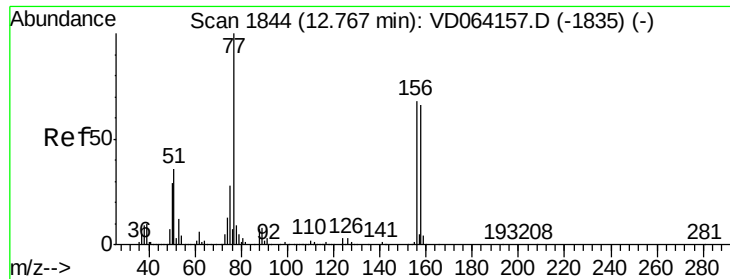
Delta R.T. 0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Tgt Ion:	75	Resp:	51978
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.781 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

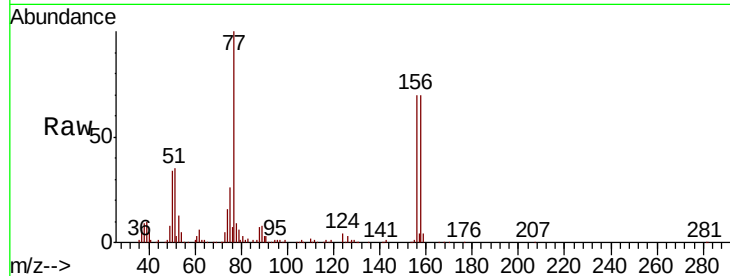
ClientSampleId :

VD1115SBS02

Tot Ion:	156	Resp:	118568
Ion Ratio	Lower	Upper	
156	100		
77	161.9	81.2	243.4
158	100.4	48.4	145.2

Manual Integrations
APPROVED

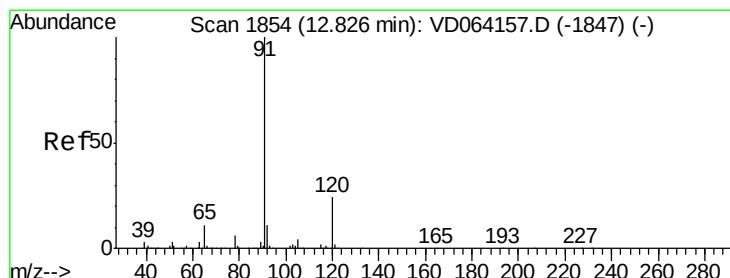
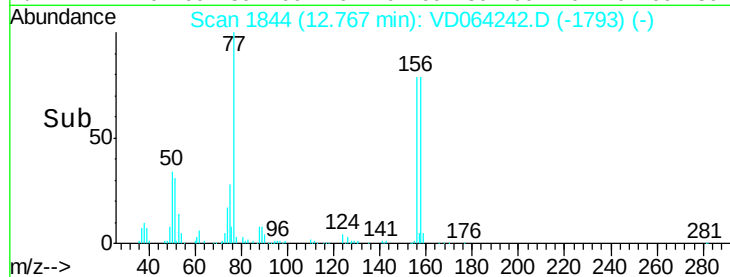
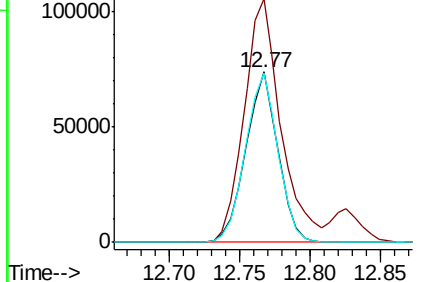
MMDADODA
11/19/2019 12:22:30 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.572 ug/l

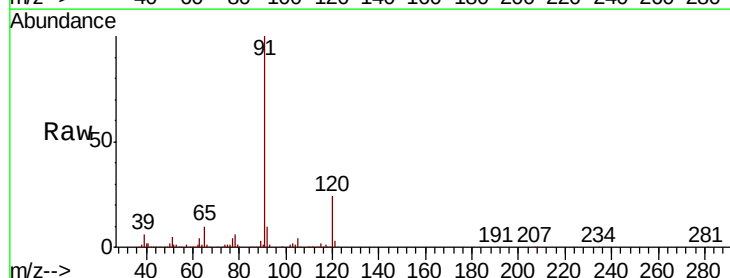
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064242.D

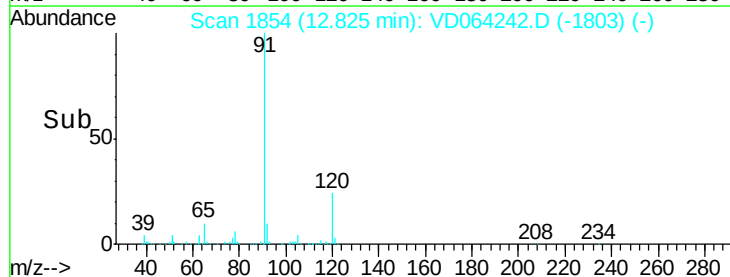
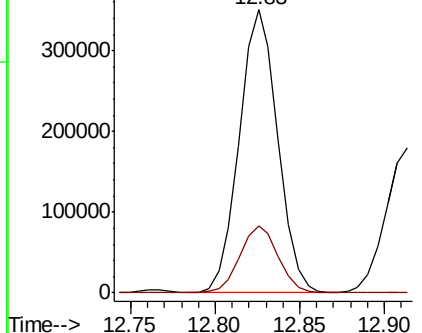
Acq: 16 Nov 2019 00:07

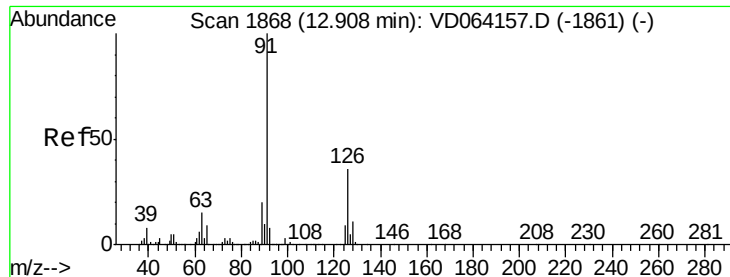
Tgt Ion:	91	Resp:	551400
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.105 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 91 Resp: 303467

Ion Ratio Lower Upper

91 100

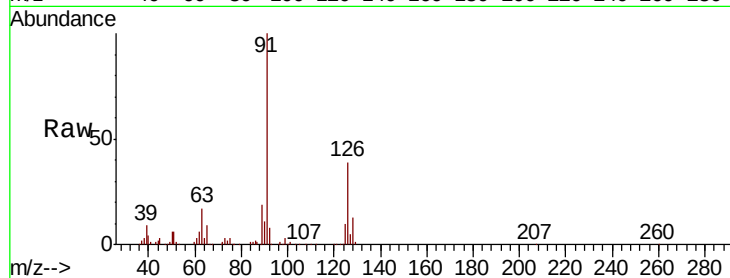
126 36.6 17.7 53.1

Manual Integrations

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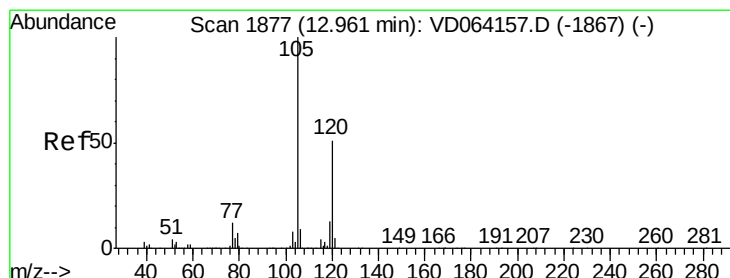
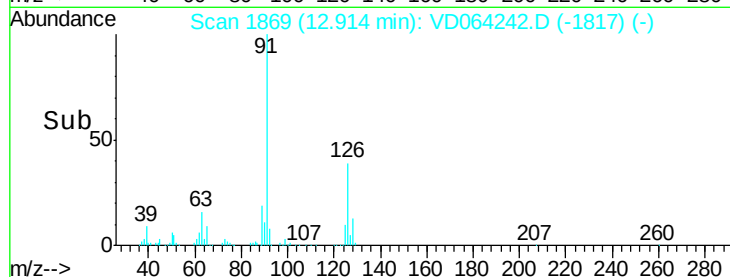
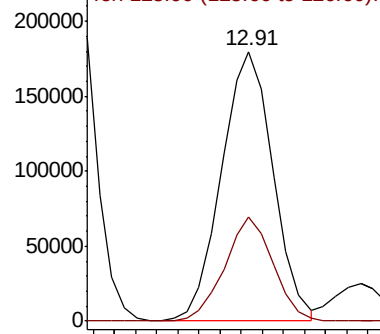
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 17.989 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064242.D

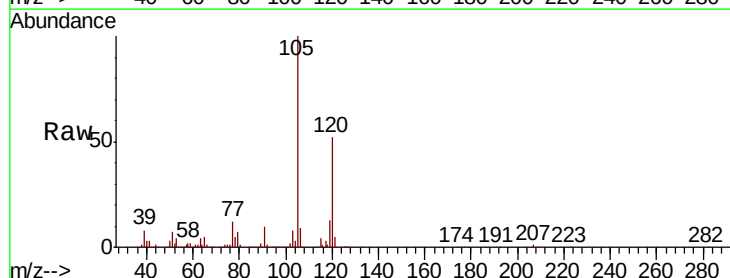
Acq: 16 Nov 2019 00:07

Tgt Ion: 105 Resp: 384108

Ion Ratio Lower Upper

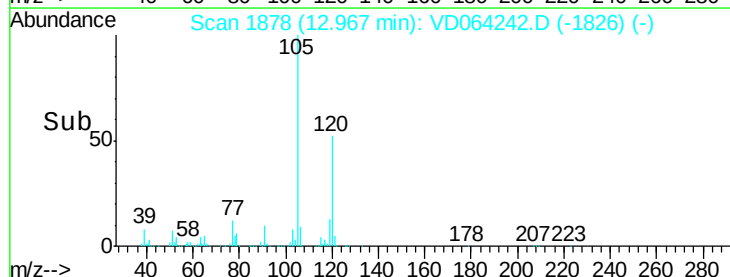
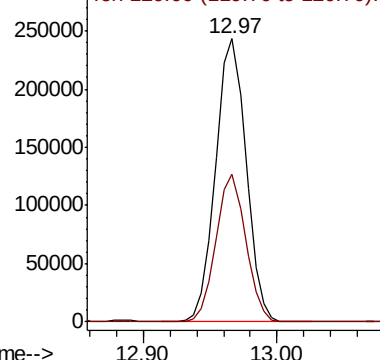
105 100

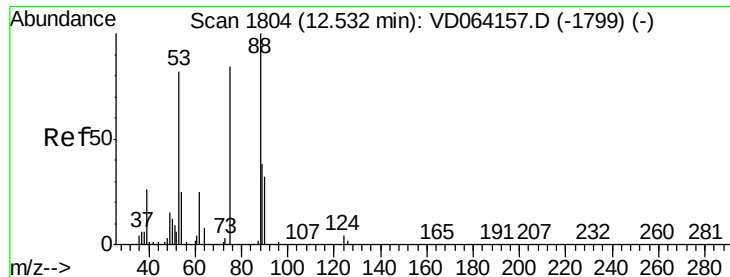
120 51.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.908 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

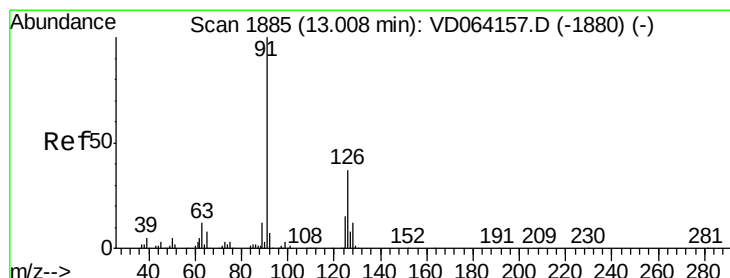
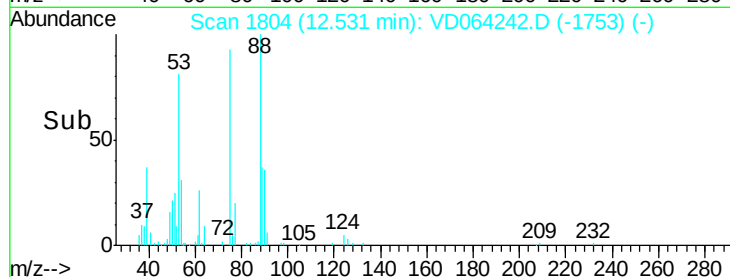
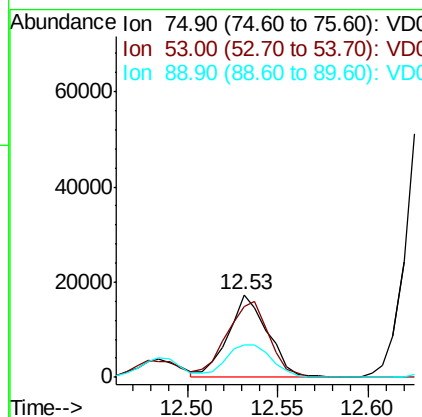
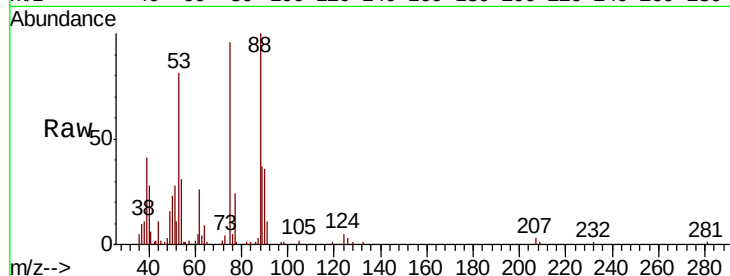
ClientSampleId :

VD1115SBS02

Tot Ion:	75	Resp:	25708
Ion	Ratio	Lower	Upper
75	100		
53	101.1	79.4	119.0
89	46.2	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.827 ug/l

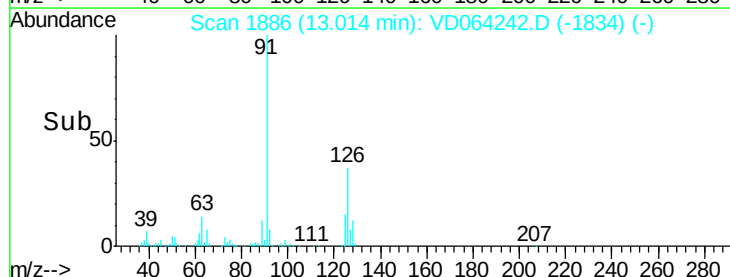
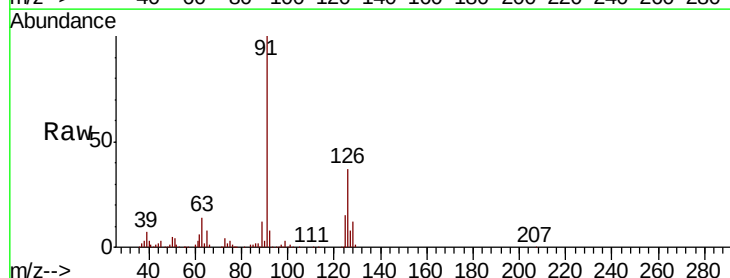
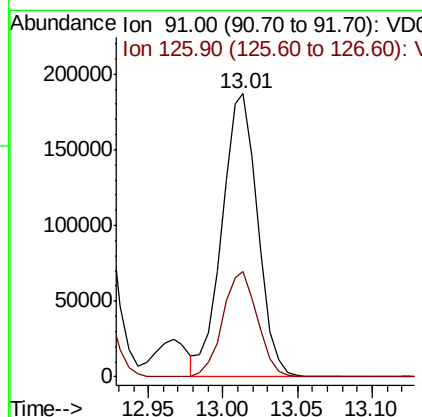
RT: 13.01 min Scan# 1886

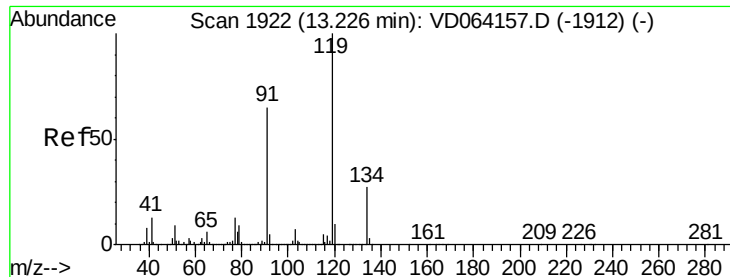
Delta R.T. 0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Tgt Ion:	91	Resp:	311667
Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.8	53.4





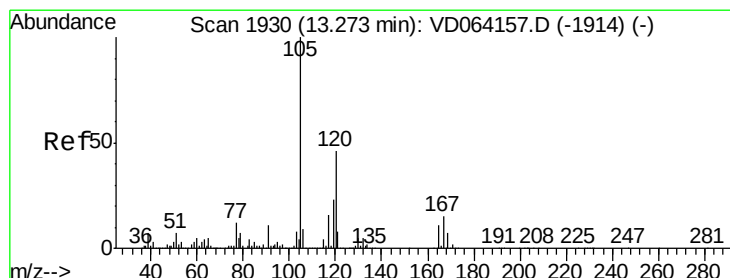
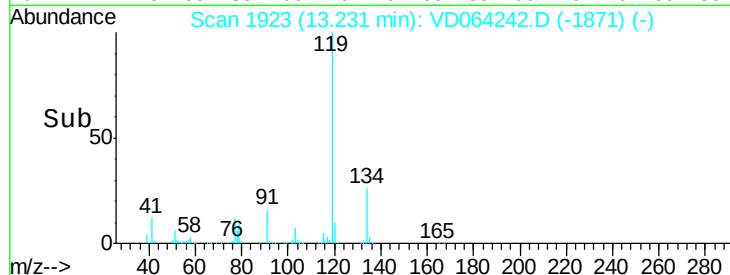
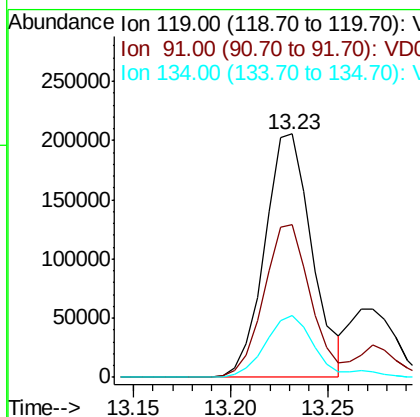
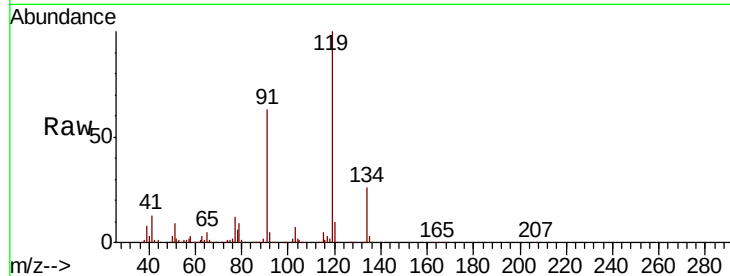
#83
 tert-Butylbenzene
 Concen: 18.331 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	31.8	95.4
134	27.2	13.7	41.0

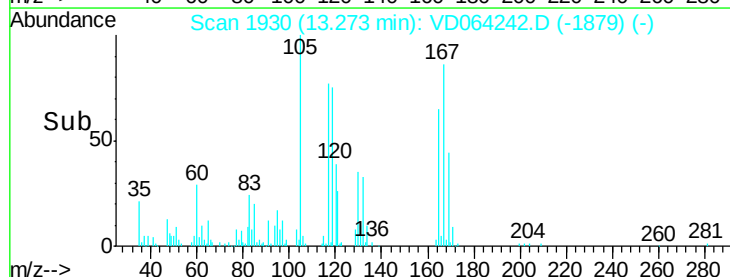
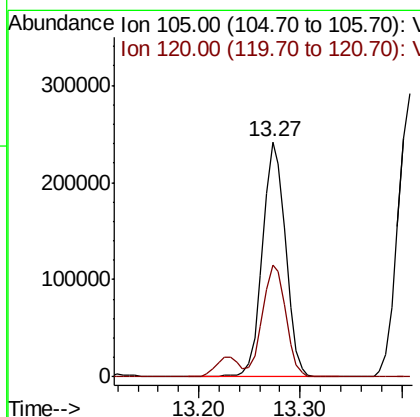
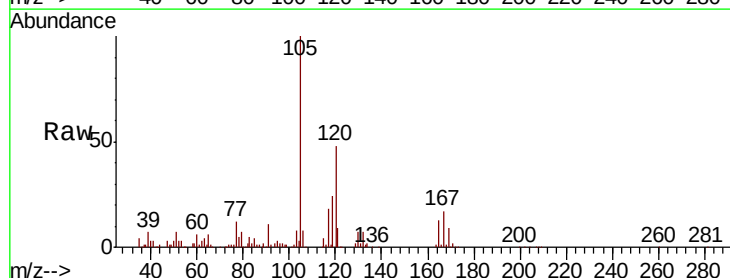
Manual Integrations
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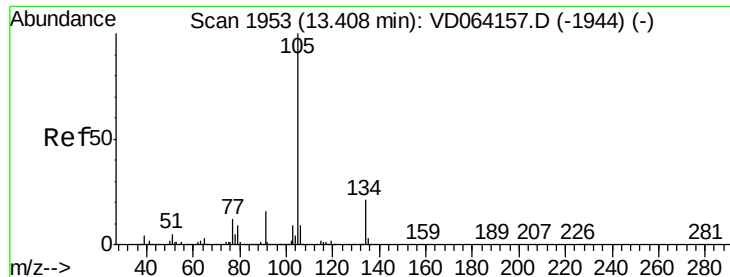
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 11/19/2019 12:22:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.144 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.3	69.8





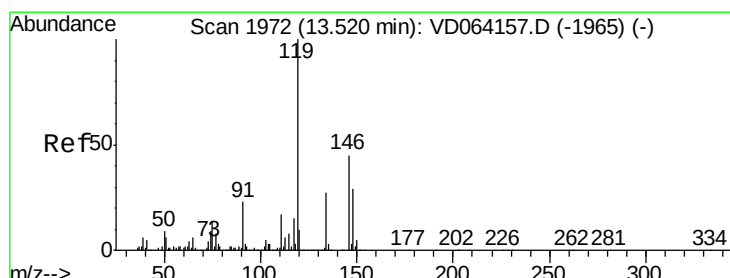
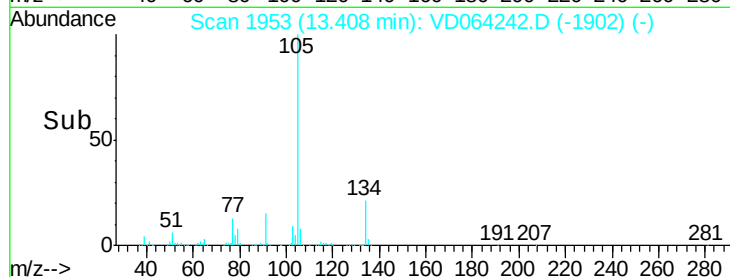
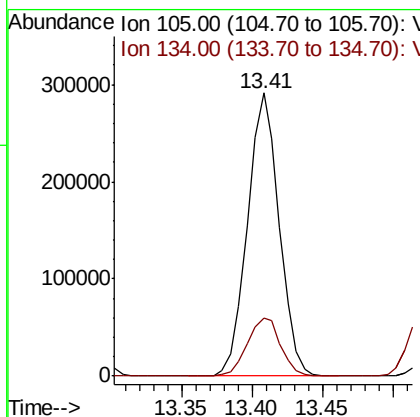
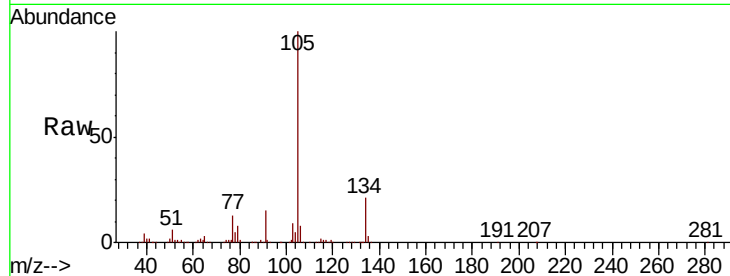
#85
 sec-Butylbenzene
 Concen: 18.133 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.7	31.9

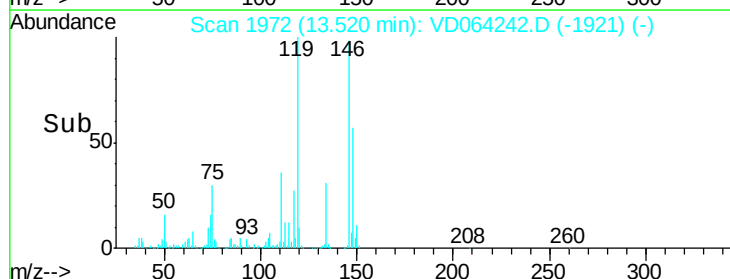
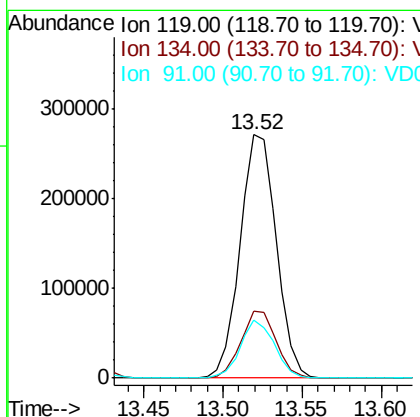
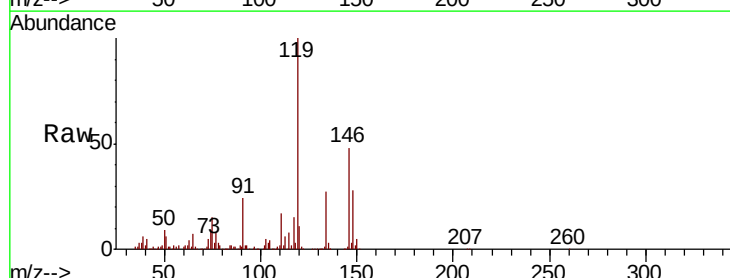
Manual Integrations
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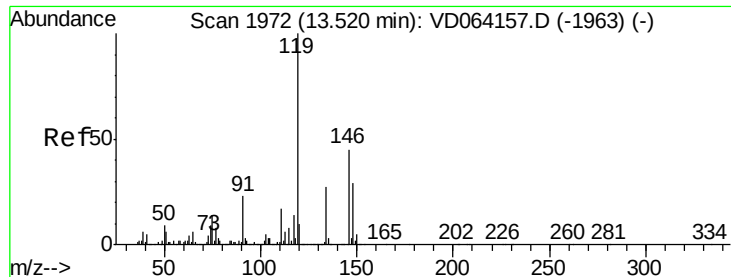
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#86
 p-Isopropyltoluene
 Concen: 17.882 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.5
91	22.4	11.5	34.4





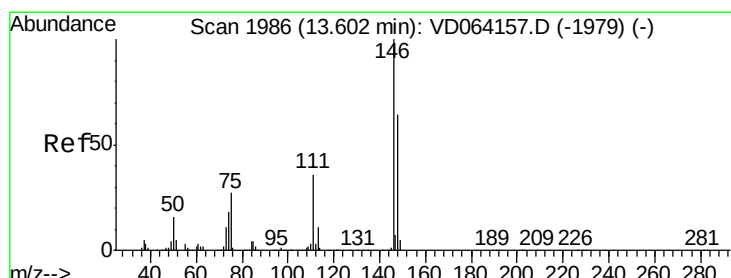
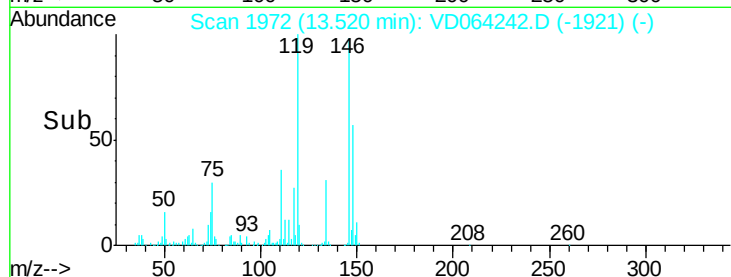
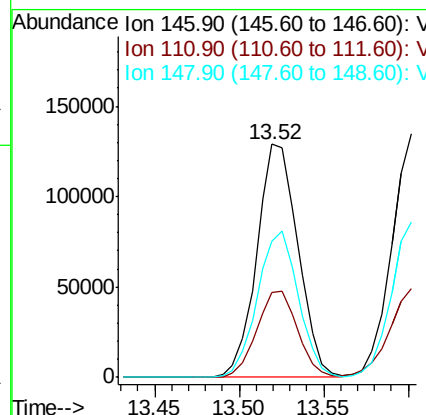
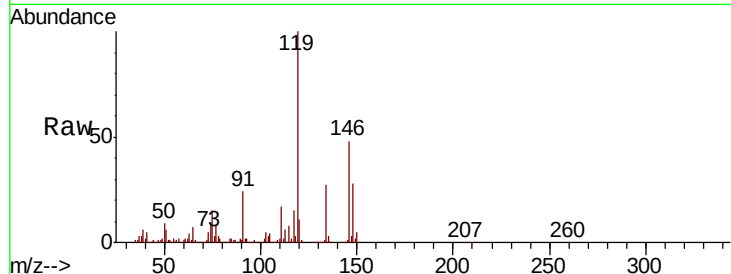
#87
 1,3-Dichlorobenzene
 Concen: 18.580 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.9
148	62.5	32.1	96.5

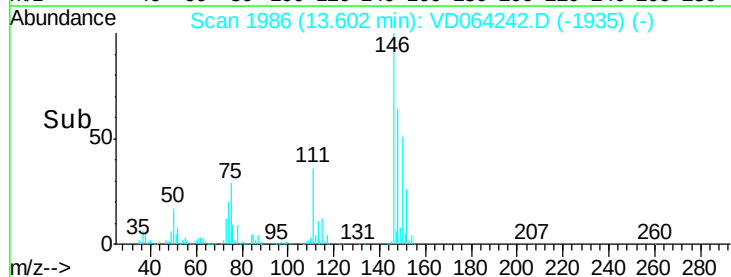
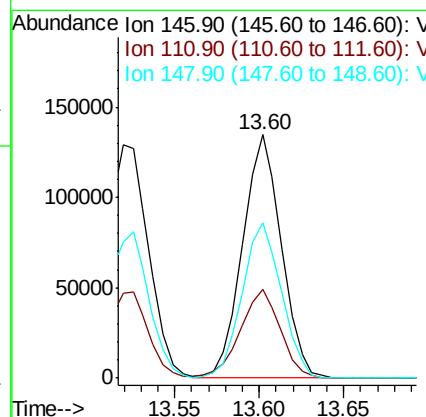
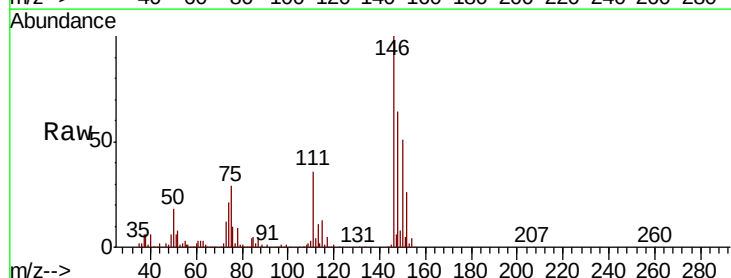
Manual Integrations
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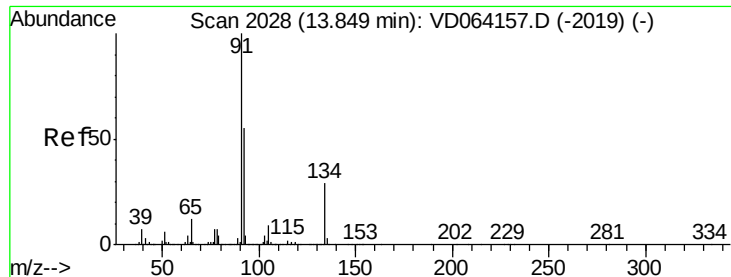
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#88
 1,4-Dichlorobenzene
 Concen: 18.783 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.4
148	65.0	31.9	95.7





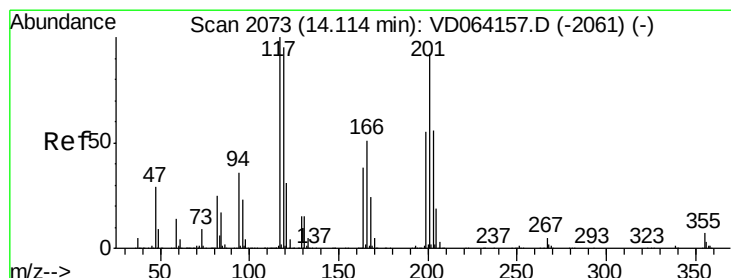
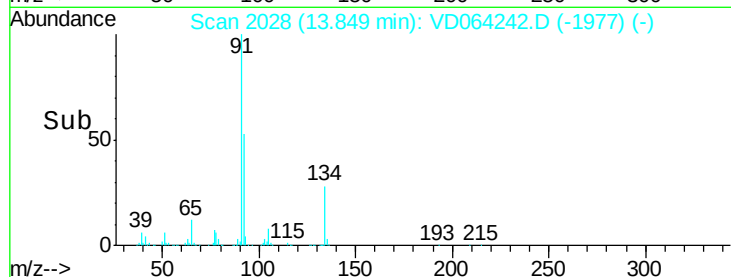
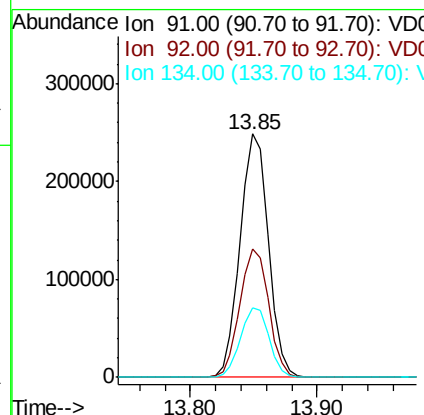
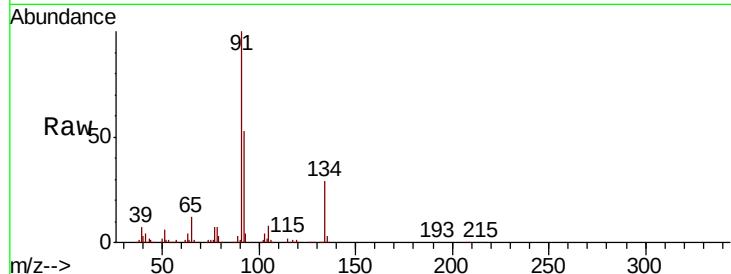
#89
n-Butylbenzene
Concen: 17.686 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.3	81.8
134	28.9	14.1	42.4

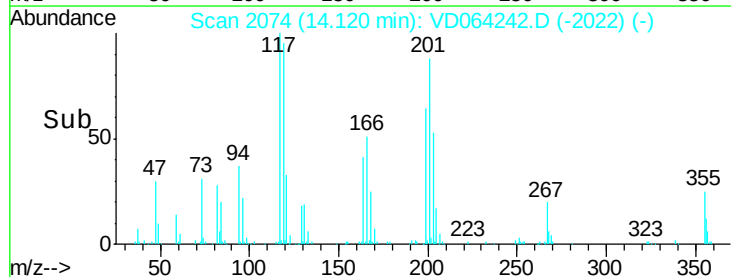
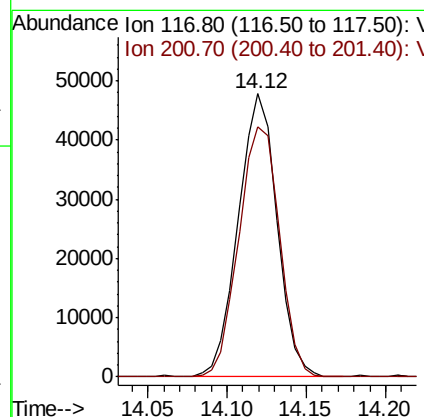
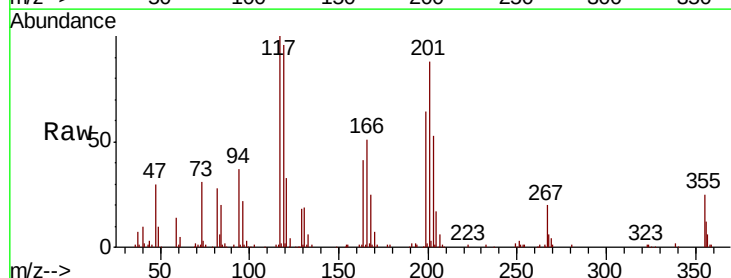
Manual Integrations
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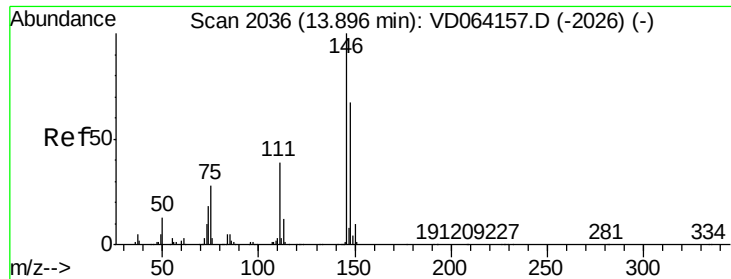
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#90
Hexachloroethane
Concen: 18.220 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.9	45.8	137.4





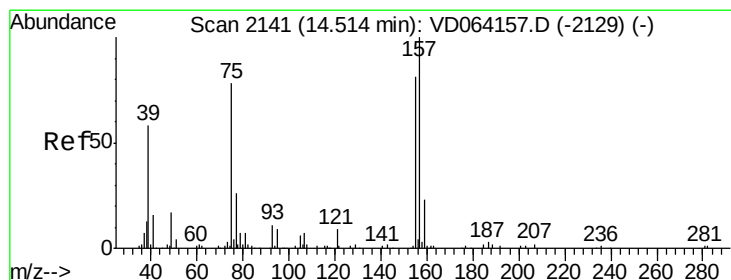
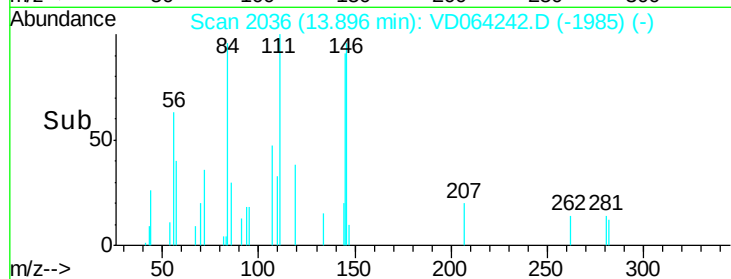
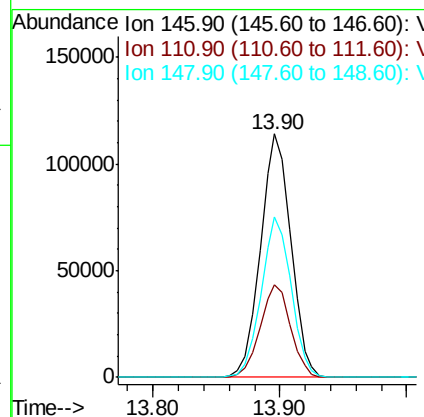
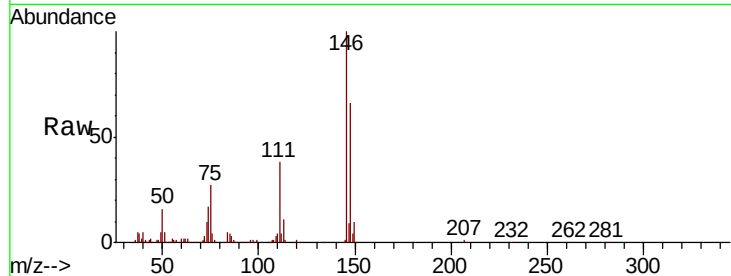
#91
 1,2-Dichlorobenzene
 Concen: 19.183 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.7	59.0
148	64.9	32.3	96.8

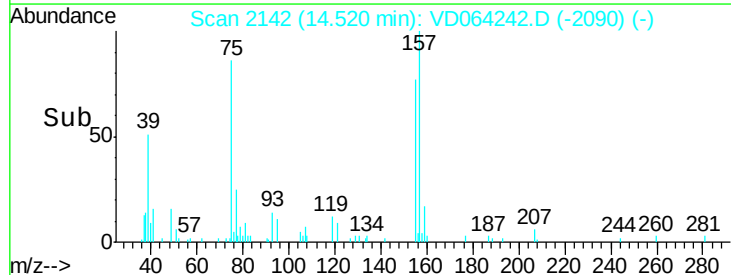
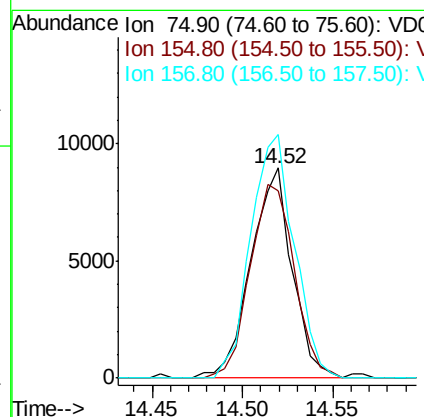
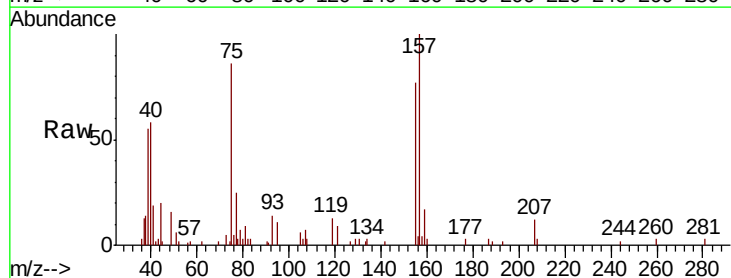
Manual Integrations
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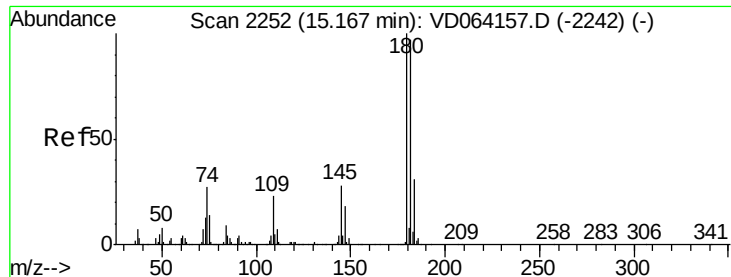
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 11/19/2019 12:22:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.350 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.4	48.0	144.0
157	122.0	61.5	184.4





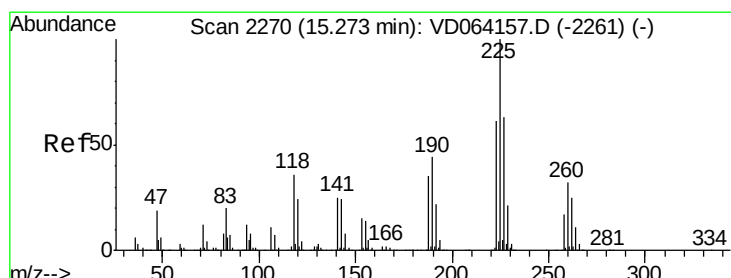
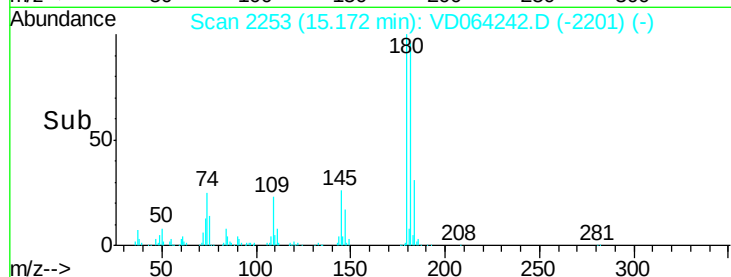
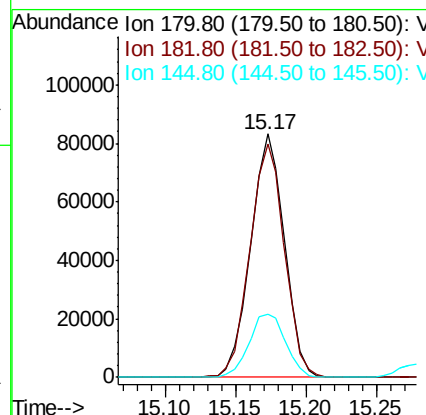
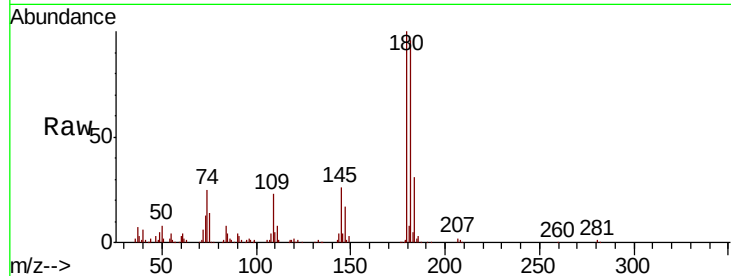
#93
 1,2,4-Trichlorobenzene
 Concen: 18.252 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139656		
182	97.9		47.5	142.5
145	28.2		14.2	42.6

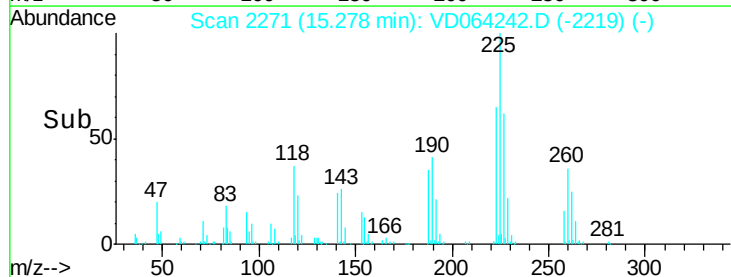
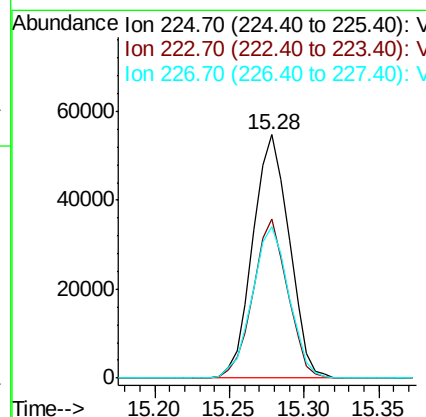
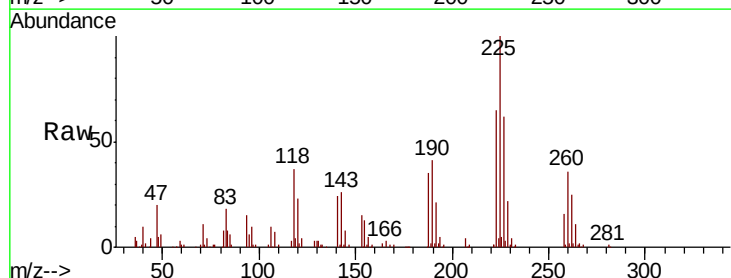
Manual Integrations
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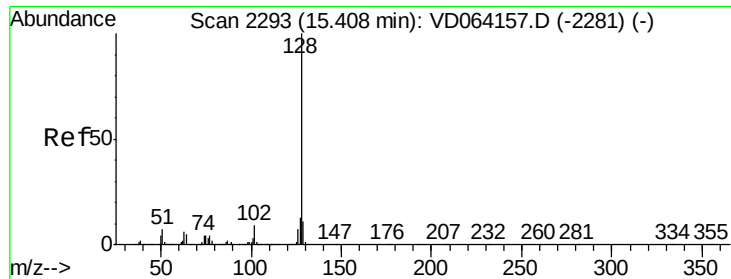
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 11/19/2019 12:22:30 PM



#94
 Hexachlorobutadiene
 Concen: 18.715 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92491		
223	61.8		31.1	93.3
227	62.6		31.5	94.5





#95

Naphthalene

Concen: 20.954 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

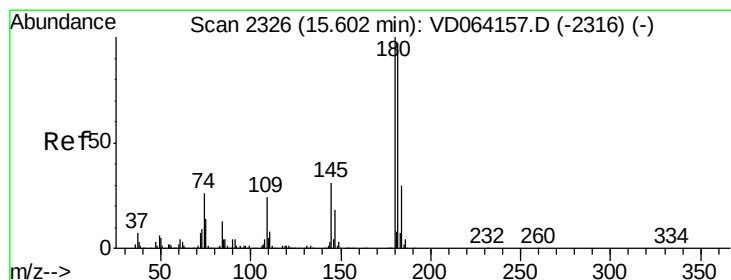
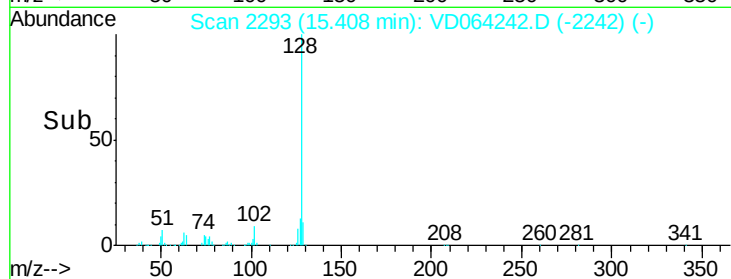
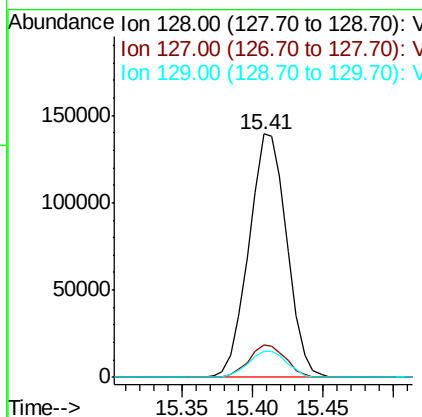
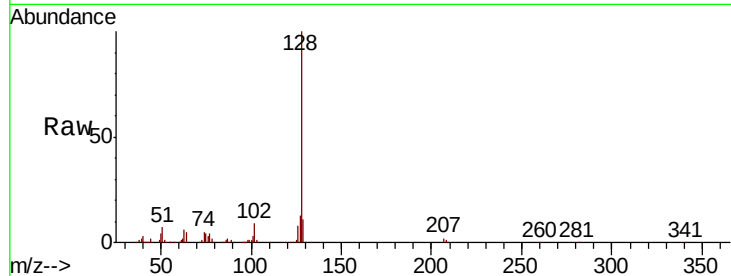
ClientSampleId :

VD1115SBS02

Tot Ion:	128	Resp:	262828
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:22:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.242 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Tgt Ion:	180	Resp:	125150
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.3	144.9
145	29.3	15.3	45.8

