

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064637.D
 Acq On : 27 Dec 2019 11:33
 Operator : VA/SY
 Sample : VD1227SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Manual Integrations
 APPROVED

Quant Time: Dec 30 01:20:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	416546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	607523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	531377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	260355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	172595	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
35) Dibromofluoromethane	7.92	113	176422	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
50) Toluene-d8	10.34	98	681472	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.64	95	210997	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

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12/30/2019 11:03:07 AM

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	62901	19.431	ug/l	91
3) Chloromethane	2.21	50	88499	19.548	ug/l	100
4) Vinyl Chloride	2.35	62	109639	19.862	ug/l	99
5) Bromomethane	2.76	94	76520	19.065	ug/l	94
6) Chloroethane	2.92	64	72777	19.676	ug/l	99
7) Trichlorofluoromethane	3.27	101	187822	20.208	ug/l	96
8) Diethyl Ether	3.70	74	33782	18.303	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	73597	19.120	ug/l	98
10) Methyl Iodide	4.30	142	79141	19.141	ug/l	99
11) Tert butyl alcohol	5.25	59	19293	91.651	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	71862	19.609	ug/l	98
13) Acrolein	3.92	56	23926	81.556	ug/l	97
14) Allyl chloride	4.71	41	109284	19.126	ug/l	98
15) Acrylonitrile	5.43	53	71177	92.582	ug/l	98
16) Acetone	4.17	43	70698	87.427	ug/l	97
17) Carbon Disulfide	4.40	76	224106	18.912	ug/l	99
18) Methyl Acetate	4.72	43	38637	18.684	ug/l #	73
19) Methyl tert-butyl Ether	5.48	73	150008	18.429	ug/l	93
20) Methylene Chloride	4.97	84	80499	18.334	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	82013	19.651	ug/l	99
22) Diisopropyl ether	6.37	45	218153	19.142	ug/l	94
23) Vinyl Acetate	6.31	43	603532	93.356	ug/l	99
24) 1,1-Dichloroethane	6.27	63	135437	19.796	ug/l	97
25) 2-Butanone	7.22	43	91506	90.633	ug/l	96
26) 2,2-Dichloropropane	7.21	77	124469	19.567	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	86709	19.251	ug/l	99
28) Bromochloromethane	7.55	49	47532	17.872	ug/l	100
29) Tetrahydrofuran	7.57	42	58463	93.114	ug/l	98
30) Chloroform	7.71	83	141671	19.736	ug/l	96
31) Cyclohexane	7.98	56	129033	18.841	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	132668	19.677	ug/l	98
36) 1,1-Dichloropropene	8.11	75	111872	19.132	ug/l	99
37) Ethyl Acetate	7.30	43	41824	18.207	ug/l	96
38) Carbon Tetrachloride	8.10	117	120202	19.278	ug/l	97

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 ClientSampleId :
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Manual Integrations
 APPROVED

Quant Time: Dec 30 01:20:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	135851	19.182	ug/l	98
40) Benzene	8.36	78	304862	19.098	ug/l	97
41) Methacrylonitrile	7.53	41	26550	19.920	ug/l	96
42) 1,2-Dichloroethane	8.43	62	87451	18.958	ug/l	99
43) Isopropyl Acetate	8.46	43	79609	17.411	ug/l	97
44) Trichloroethene	9.11	130	90345	19.266	ug/l	100
45) 1,2-Dichloropropane	9.39	63	75882	19.910	ug/l	97
46) Dibromomethane	9.48	93	39429	18.555	ug/l	98
47) Bromodichloromethane	9.67	83	108381	19.168	ug/l	95
48) Methyl methacrylate	9.46	41	37164	17.262	ug/l	91
49) 1,4-Dioxane	9.47	88	9196	375.317	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	205273	90.829	ug/l	99
52) Toluene	10.40	92	197030	18.814	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	96201	18.249	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	119225	19.180	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	54742	19.116	ug/l	94
56) Ethyl methacrylate	10.66	69	64786	18.115	ug/l	98
57) 1,3-Dichloropropane	10.95	76	91884	18.635	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	135312	99.305	ug/l	99
59) 2-Hexanone	10.98	43	137504	89.643	ug/l	100
60) Dibromochloromethane	11.14	129	73044	18.445	ug/l	97
61) 1,2-Dibromoethane	11.25	107	53541	18.956	ug/l	99
64) Tetrachloroethene	10.87	164	77975	19.127	ug/l	96
65) Chlorobenzene	11.67	112	210521	19.089	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	79117	19.029	ug/l	100
67) Ethyl Benzene	11.74	91	378073	18.887	ug/l	99
68) m/p-Xylenes	11.86	106	288898	37.391	ug/l	100
69) o-Xylene	12.18	106	130909	18.758	ug/l	99
70) Styrene	12.20	104	228005	18.613	ug/l	99
71) Bromoform	12.37	173	44213	18.647	ug/l	99
73) Isopropylbenzene	12.48	105	359676	19.332	ug/l	100
74) N-amyl acetate	12.29	43	73391	18.453	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	56484	19.326	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	42238m	20.545	ug/l	
77) Bromobenzene	12.77	156	88765	19.416	ug/l	98
78) n-propylbenzene	12.83	91	422354	19.458	ug/l	99
79) 2-Chlorotoluene	12.91	91	228848	19.193	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	295707	19.348	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18130	18.443	ug/l	98
82) 4-Chlorotoluene	13.01	91	242956	19.147	ug/l	99
83) tert-Butylbenzene	13.23	119	252048	18.994	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	290749	19.101	ug/l	98
85) sec-Butylbenzene	13.41	105	351938	19.345	ug/l	99
86) p-Isopropyltoluene	13.52	119	326536	18.771	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	164971	18.929	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	166263	19.420	ug/l	99
89) n-Butylbenzene	13.85	91	298490	19.054	ug/l	99
90) Hexachloroethane	14.12	117	65453	19.698	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	141141	18.993	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8483	17.904	ug/l	96

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#

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Sample : VD1227SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

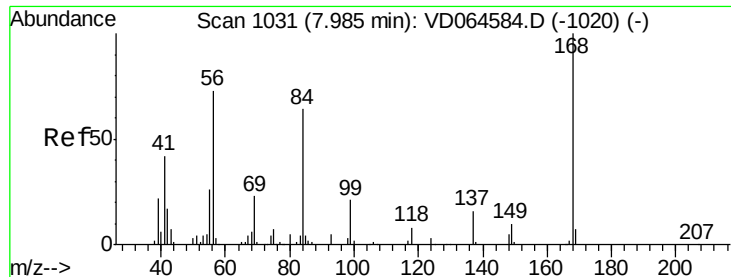
Manual Integrations
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Quant Time: Dec 30 01:20:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	100999	18.458	ug/l	97
94) Hexachlorobutadiene	15.28	225	64672	18.782	ug/l	98
95) Naphthalene	15.41	128	156255	18.051	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	85936	18.397	ug/l	98

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

12/30/2019 11:03:07 AM



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion:168 Resp: 416546

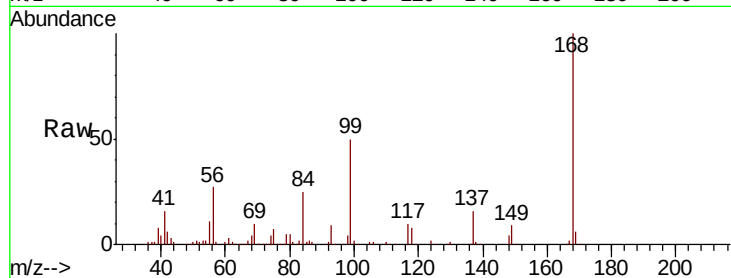
Ion Ratio Lower Upper

168 100

99 49.6 41.8 62.6

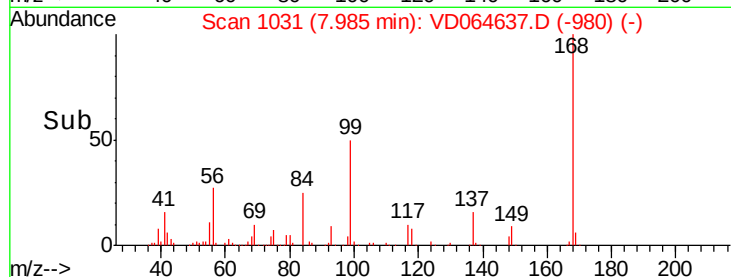
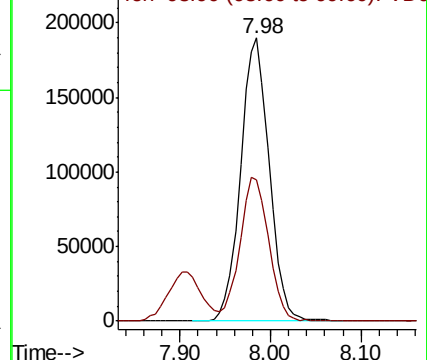
Manual Integrations

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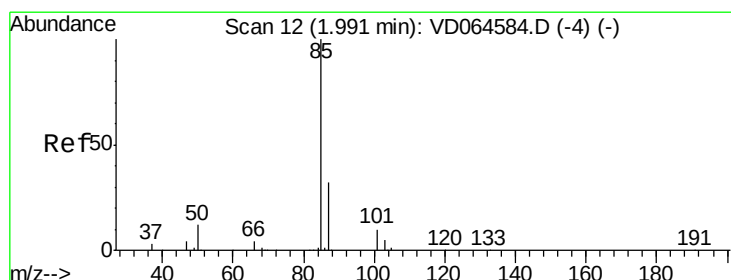
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



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12/30/2019 11:03:07 AM



#2

Dichlorodifluoromethane

Concen: 19.431 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064637.D

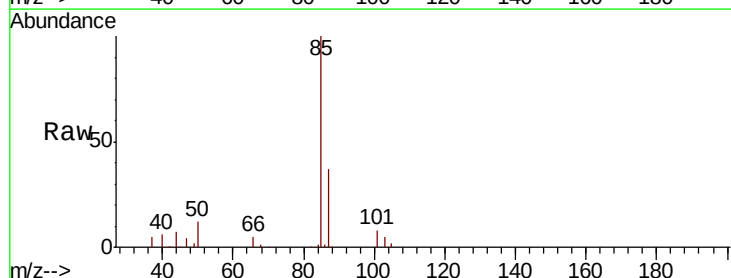
Acq: 27 Dec 2019 11:33

Tgt Ion: 85 Resp: 62901

Ion Ratio Lower Upper

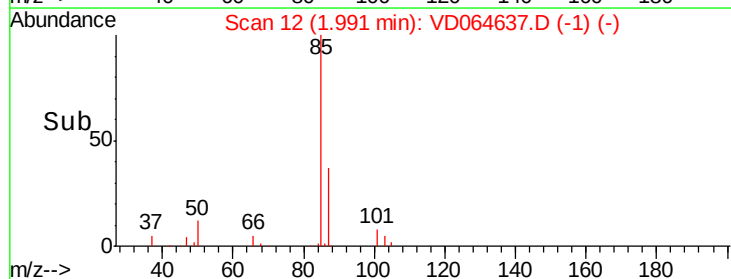
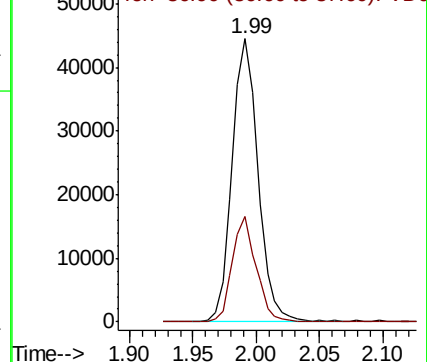
85 100

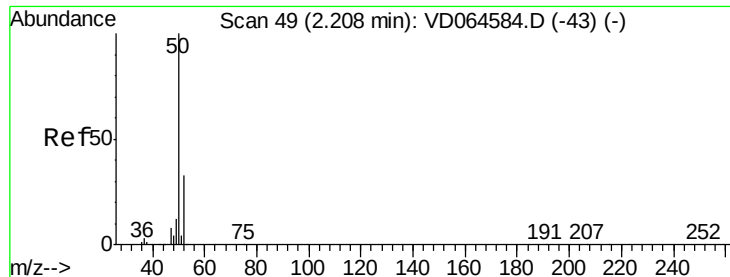
87 37.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.548 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

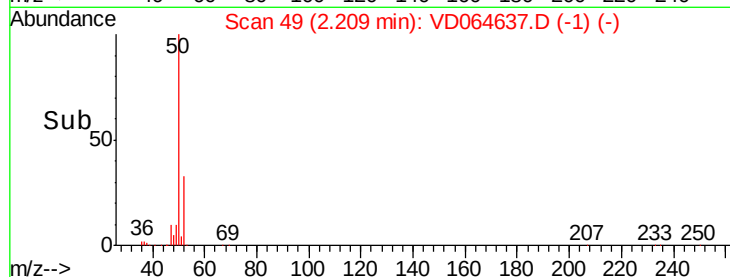
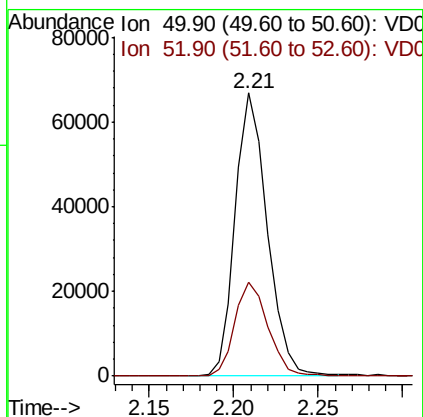
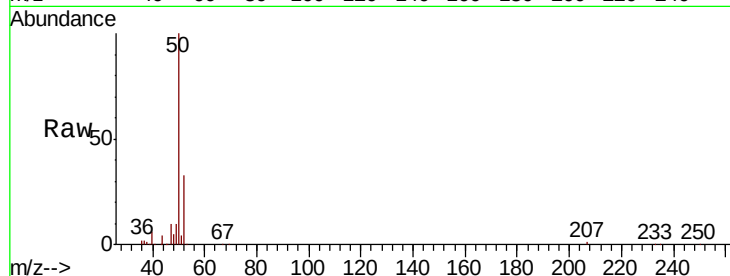
Tot Ion: 50 Resp: 88499

Ion Ratio Lower Upper

50 100

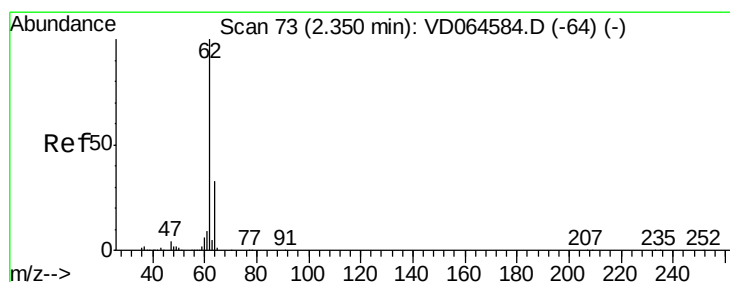
52 33.1 26.5 39.7

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12/30/2019 11:03:07 AM



#4

Vinyl Chloride

Concen: 19.862 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064637.D

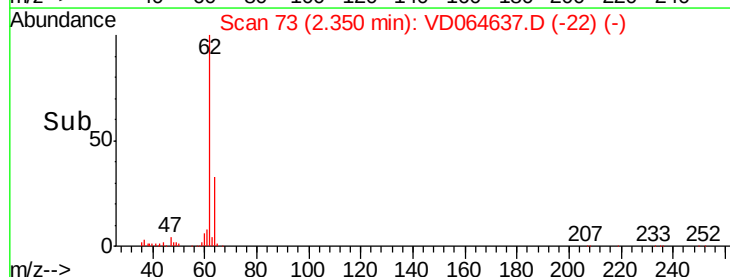
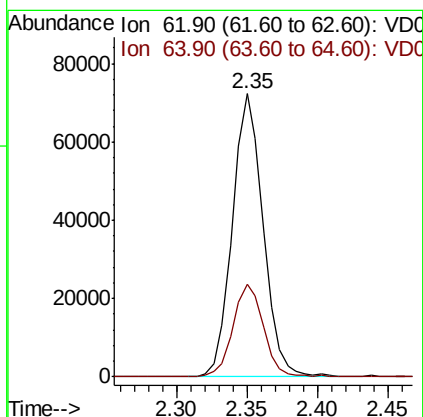
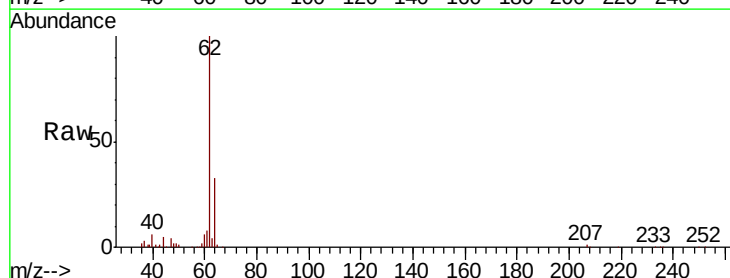
Acq: 27 Dec 2019 11:33

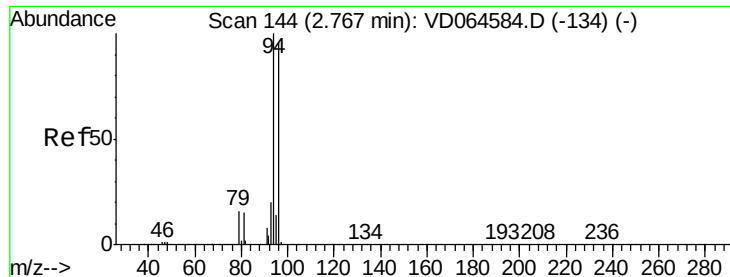
Tgt Ion: 62 Resp: 109639

Ion Ratio Lower Upper

62 100

64 32.7 26.6 40.0





#5

Bromomethane

Concen: 19.065 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 94 Resp: 76520

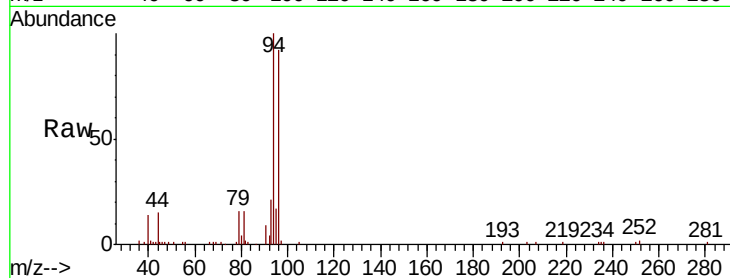
Ion Ratio Lower Upper

94 100

96 90.8 77.2 115.8

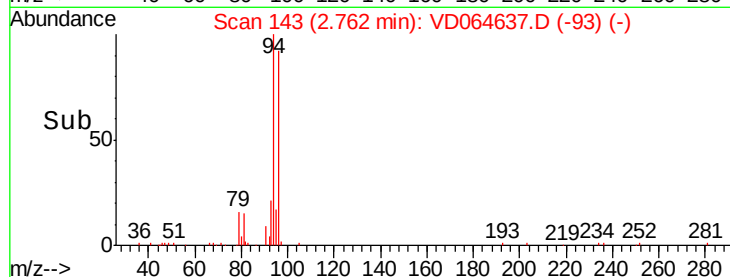
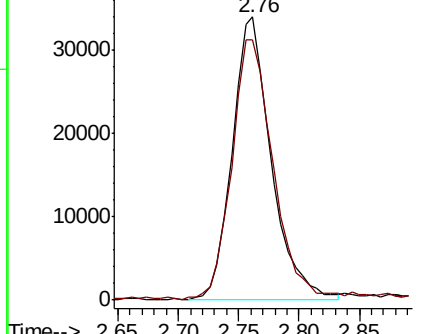
Manual Integrations

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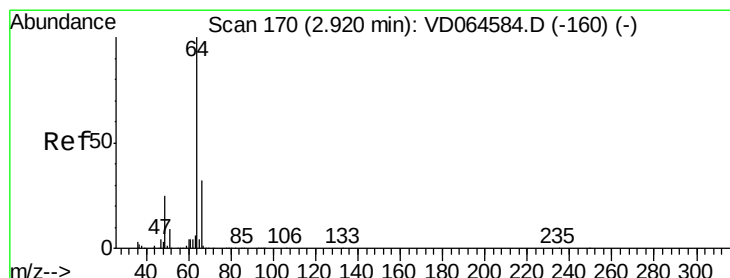
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



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12/30/2019 11:03:07 AM



#6

Chloroethane

Concen: 19.676 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064637.D

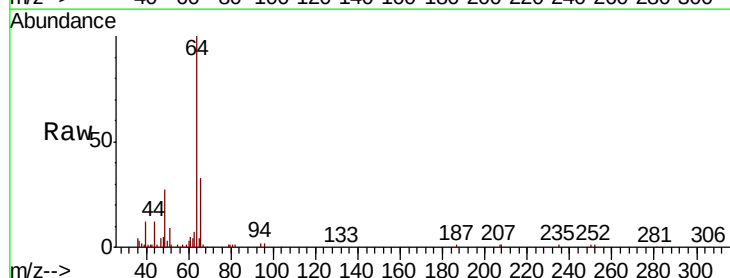
Acq: 27 Dec 2019 11:33

Tgt Ion: 64 Resp: 72777

Ion Ratio Lower Upper

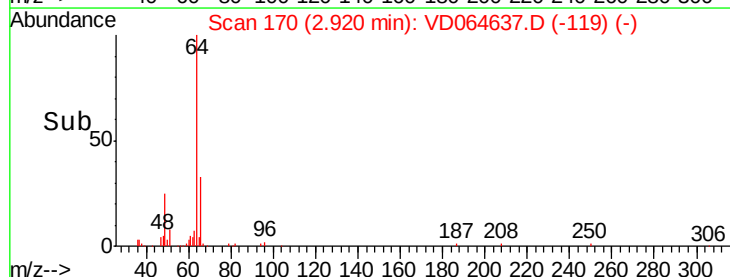
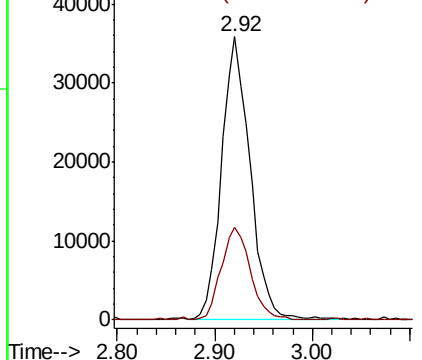
64 100

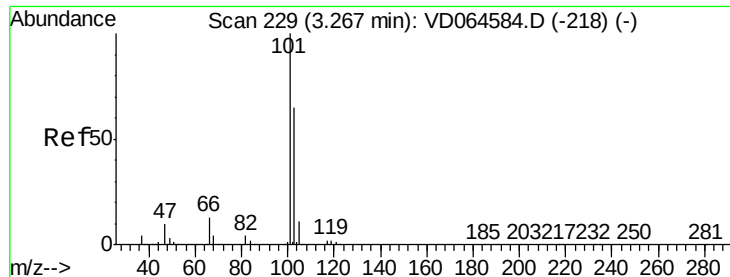
66 32.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





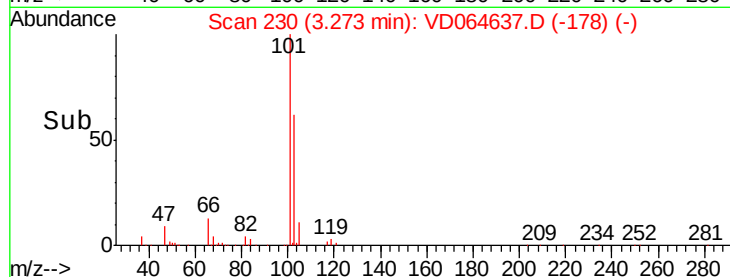
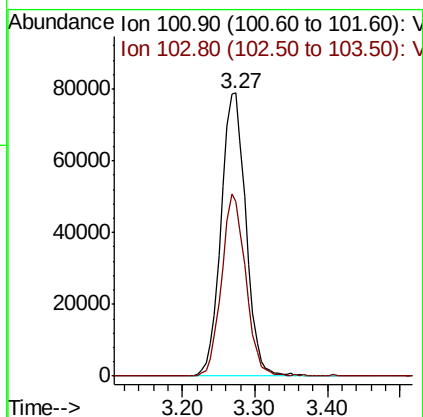
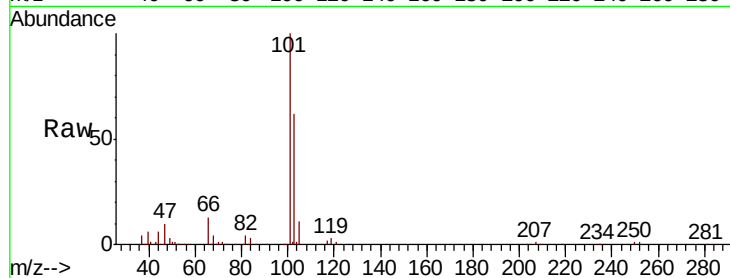
#7

Trichlorofluoromethane
Concen: 20.208 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

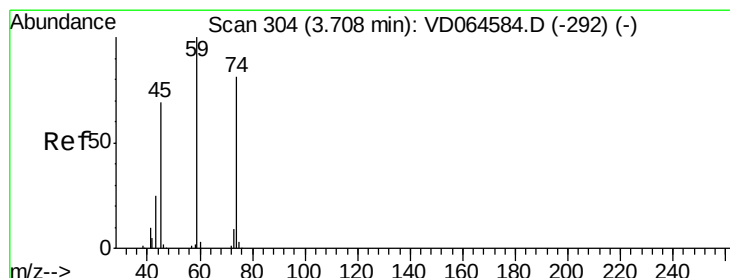
Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	61.8	52.2	78.4	

Manual Integrations
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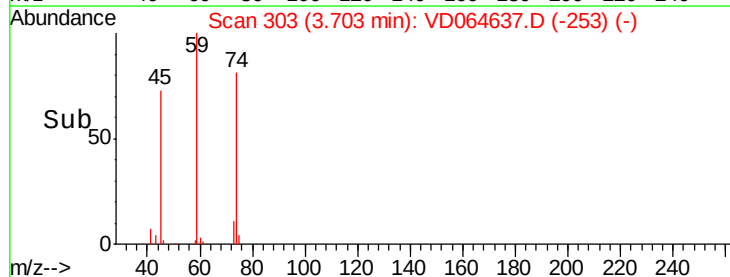
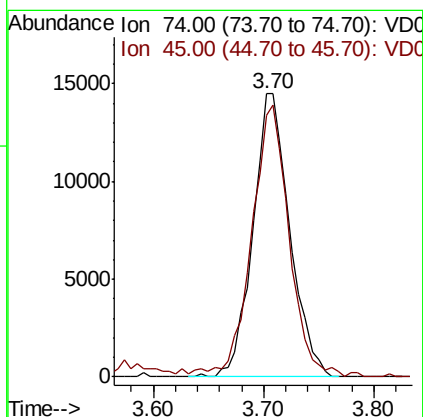
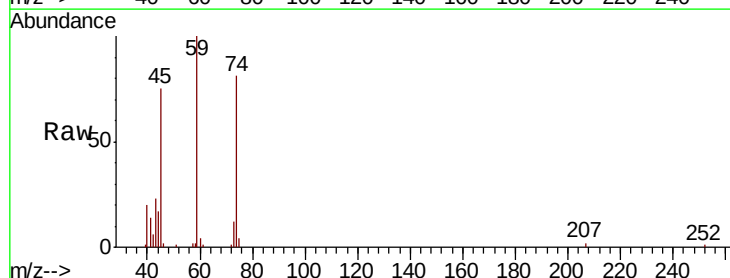
12/30/2019 11:03:07 AM

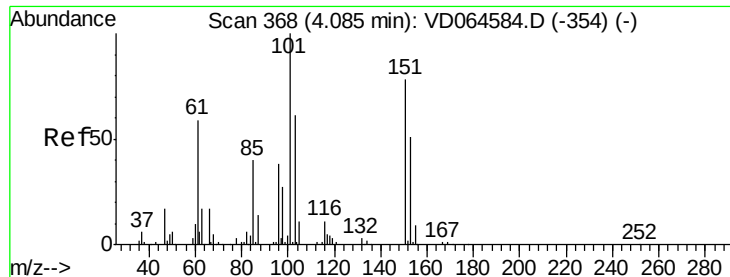


#8

Diethyl Ether
Concen: 18.303 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	97.0	47.5	142.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.120 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

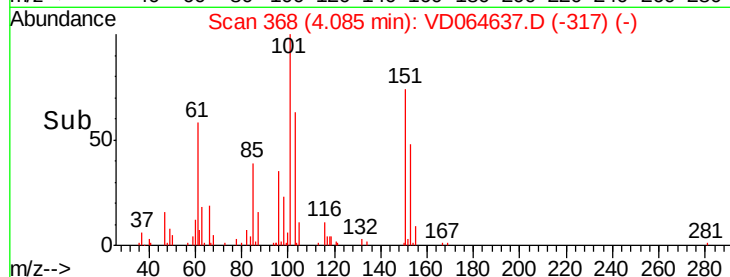
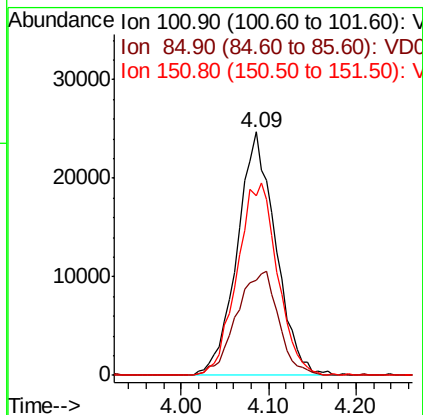
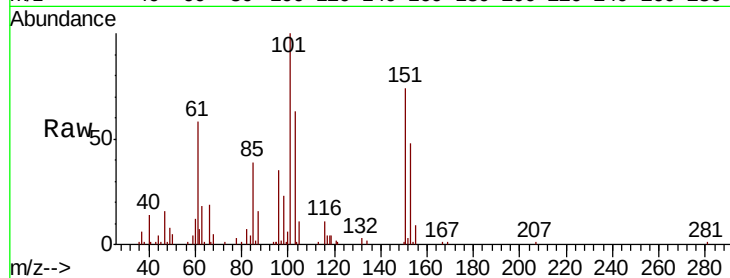
MSVOA_D

ClientSampleId :

VD1227SBSD01

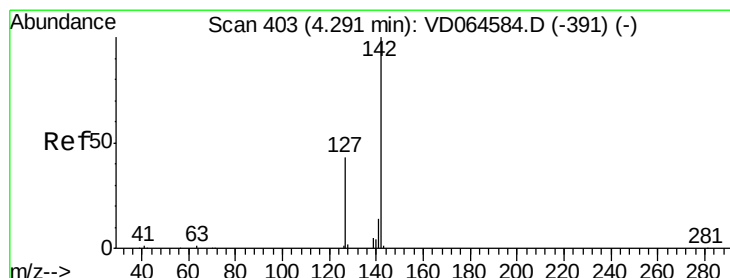
Tot Ion:	101	Resp:	73597
Ion Ratio	Lower	Upper	
101	100		
85	46.9	35.2	52.8
151	83.0	66.2	99.4

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#10

Methyl Iodide

Concen: 19.141 ug/l

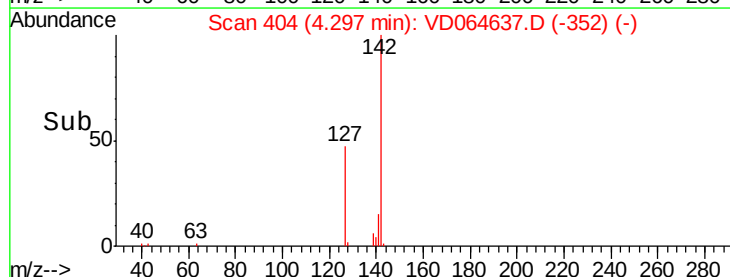
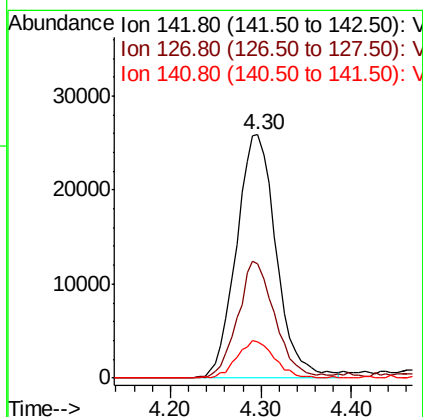
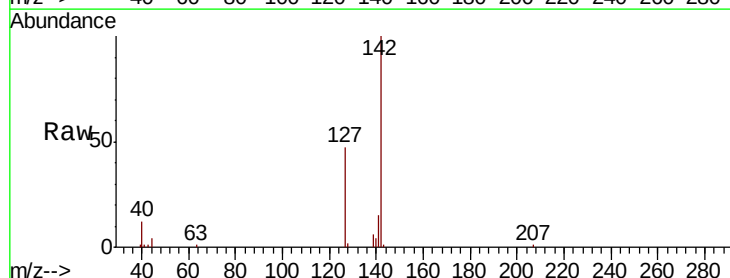
RT: 4.30 min Scan# 404

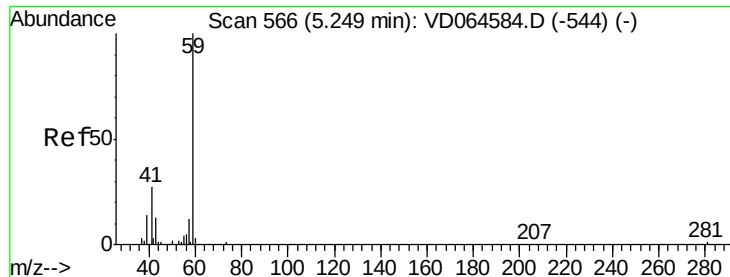
Delta R.T. 0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Tgt Ion:	142	Resp:	79141
Ion Ratio	Lower	Upper	
142	100		
127	44.9	36.2	54.4
141	14.5	11.8	17.8



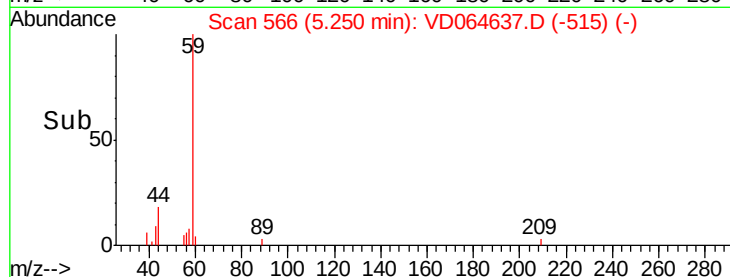
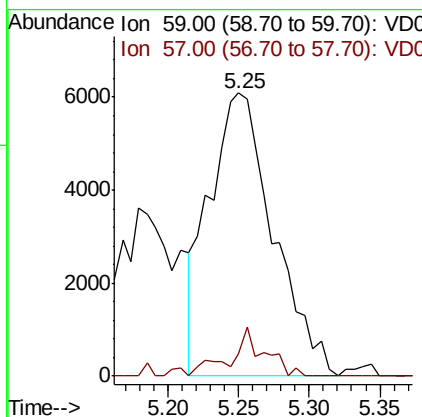
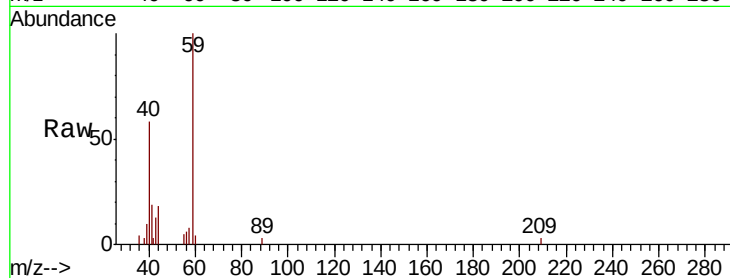


#11
Tert butyl alcohol
Concen: 91.651 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

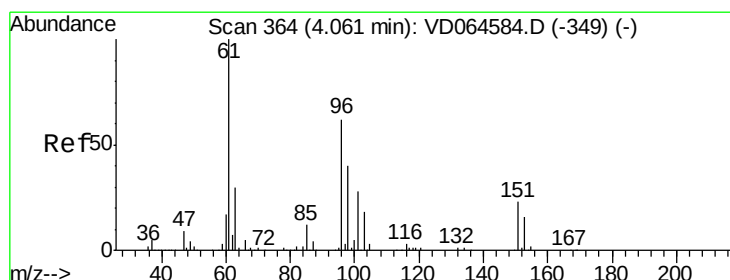
Tot Ion: 59 Resp: 19293
Ion Ratio Lower Upper
59 100
57 6.5 9.3 13.9#

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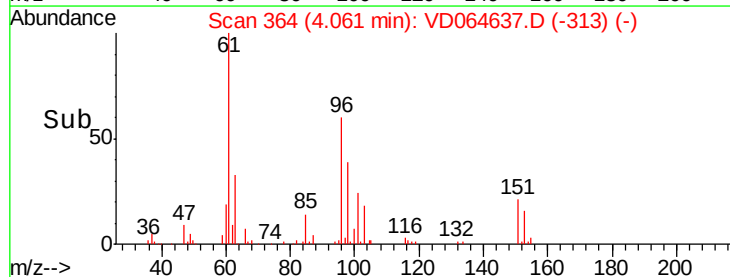
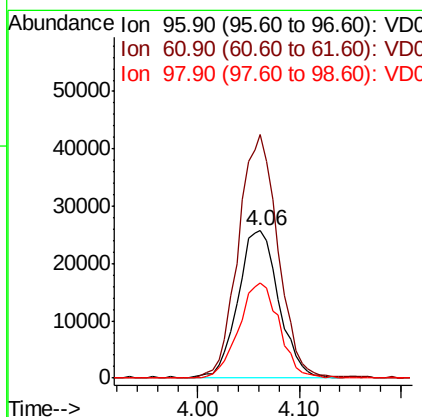
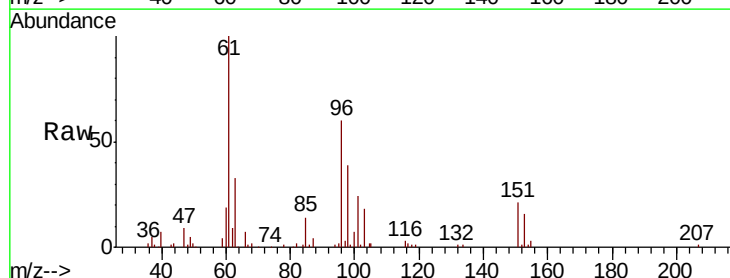
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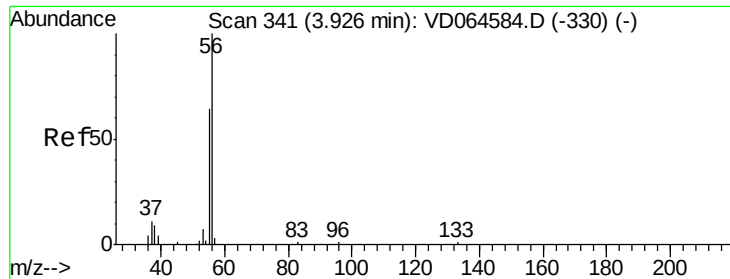
12/30/2019 11:03:07 AM



#12
1,1-Dichloroethene
Concen: 19.609 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion: 96 Resp: 71862
Ion Ratio Lower Upper
96 100
61 165.3 129.4 194.0
98 64.5 51.4 77.0



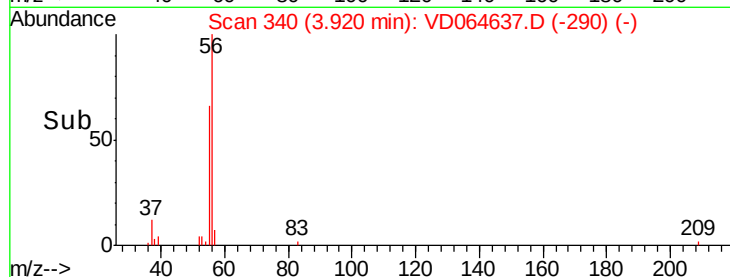
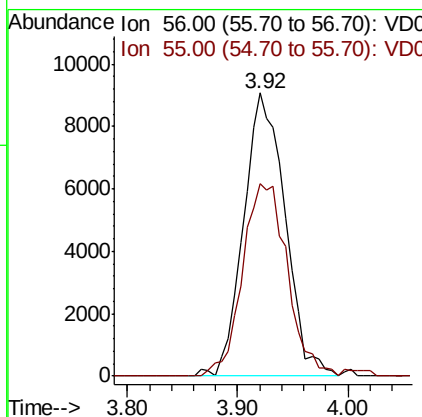
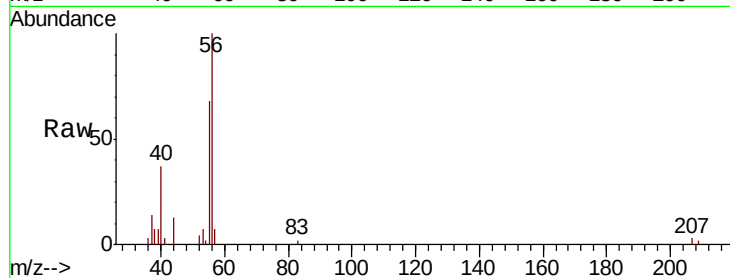


#13
Acrolein
Concen: 81.556 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

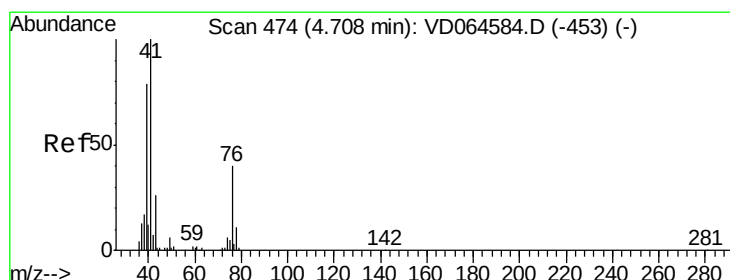
Tot Ion	56	Resp	23926
Ion Ratio	100	Lower	Upper
56	100		
55	73.2	56.7	85.1

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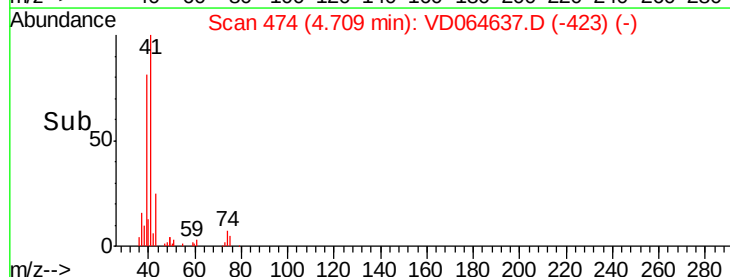
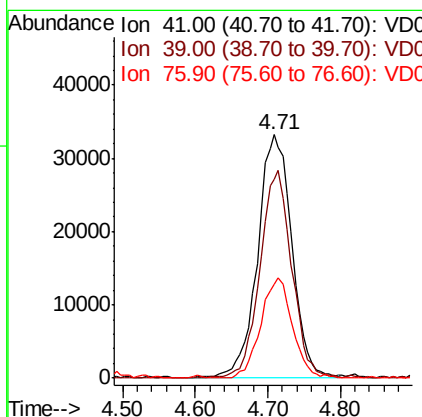
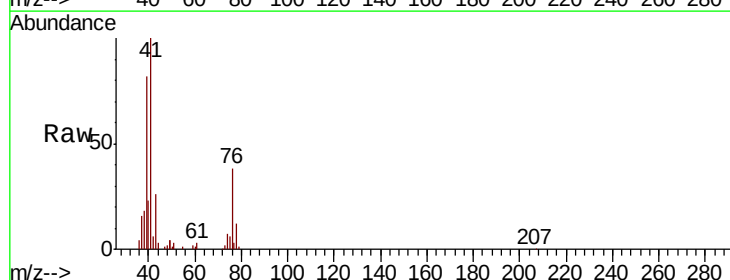
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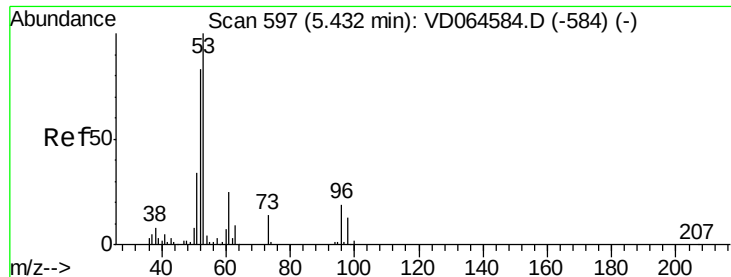
12/30/2019 11:03:07 AM



#14
Allyl chloride
Concen: 19.126 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	41	Resp	109284
Ion Ratio	100	Lower	Upper
41	100		
39	79.2	62.3	93.5
76	38.1	29.7	44.5





#15

Acrylonitrile

Concen: 92.582 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

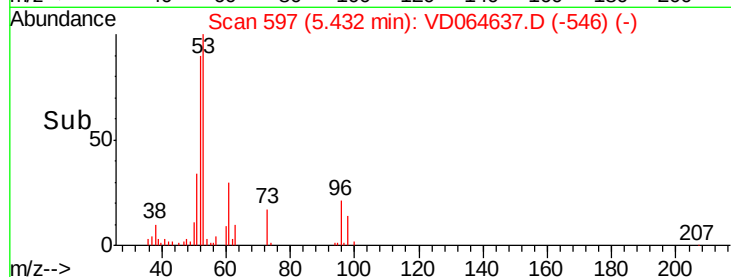
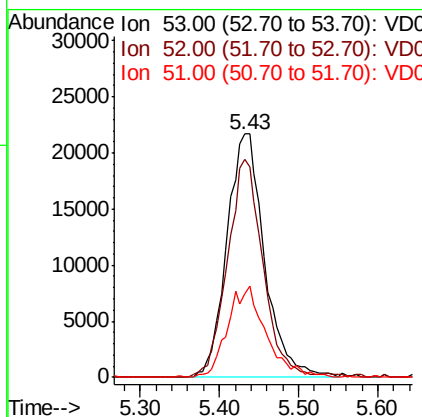
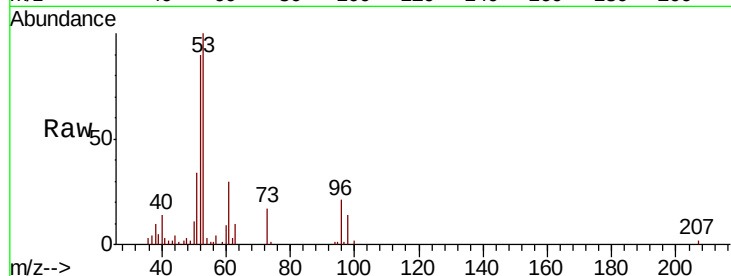
MSVOA_D

ClientSampleId :

VD1227SBS01

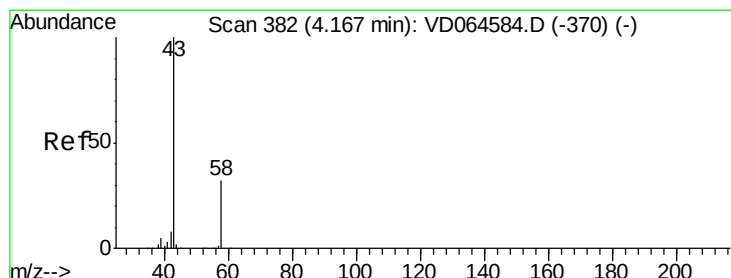
Tot Ion:	53	Resp:	71177
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.2	99.2
51	38.2	30.1	45.1

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#16

Acetone

Concen: 87.427 ug/l

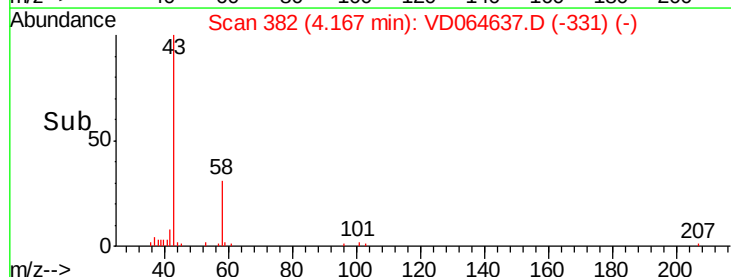
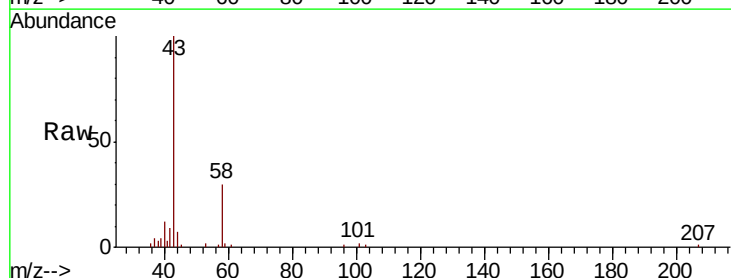
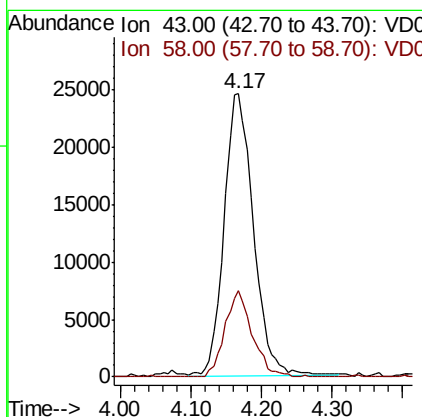
RT: 4.17 min Scan# 382

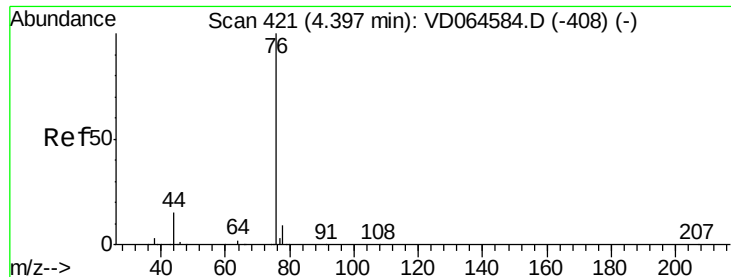
Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Tgt Ion:	43	Resp:	70698
Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.8	38.6





#17

Carbon Disulfide

Concen: 18.912 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

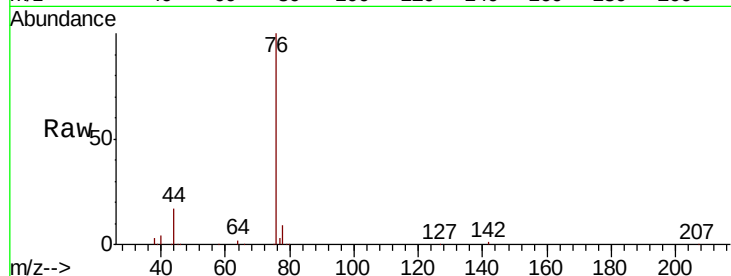
Tot Ion: 76 Resp: 224106

Ion Ratio Lower Upper

76 100

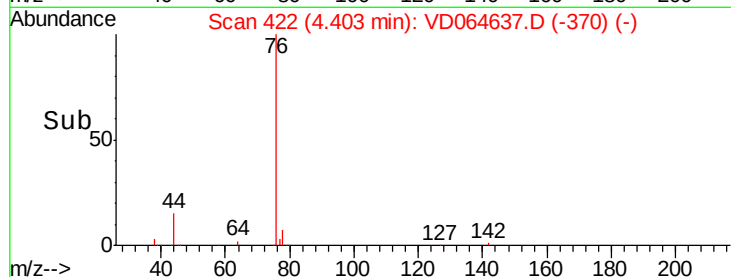
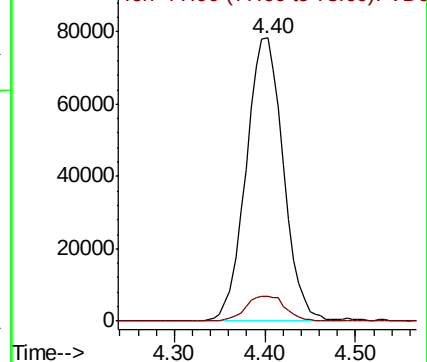
78 8.9 7.3 10.9

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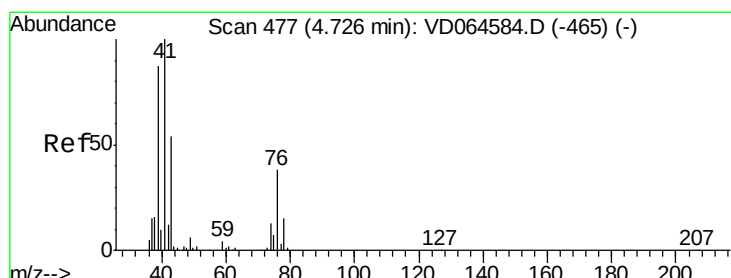
Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



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12/30/2019 11:03:07 AM



#18

Methyl Acetate

Concen: 18.684 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064637.D

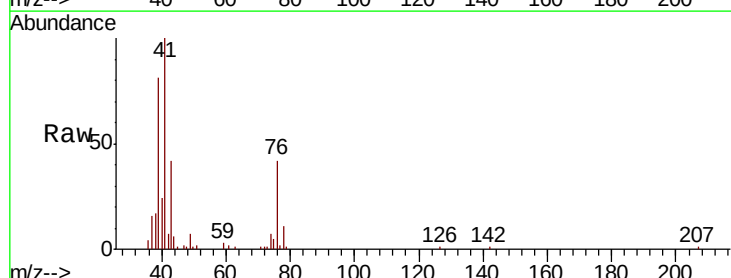
Acq: 27 Dec 2019 11:33

Tgt Ion: 43 Resp: 38637

Ion Ratio Lower Upper

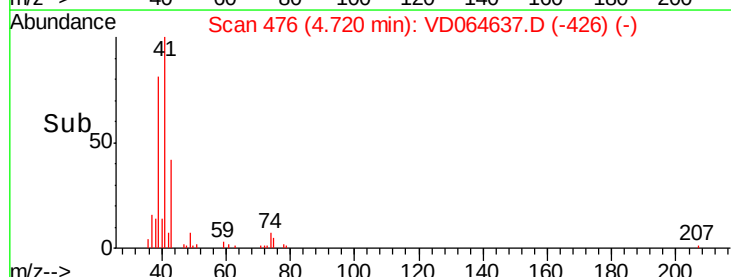
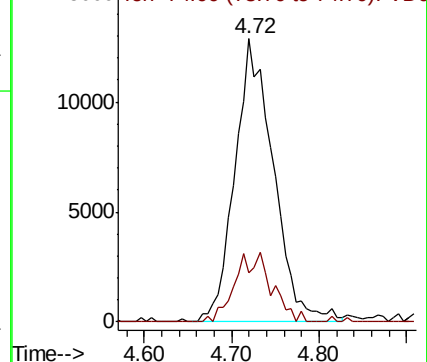
43 100

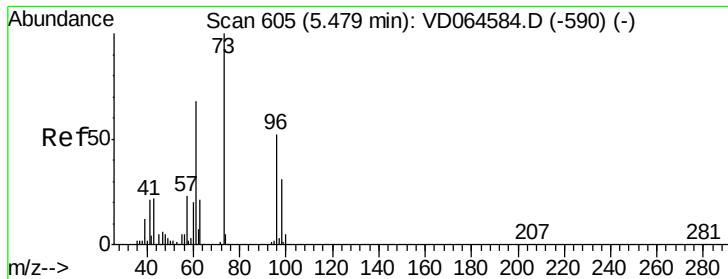
74 10.7 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



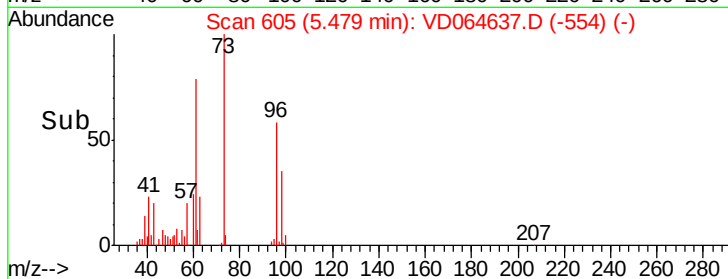
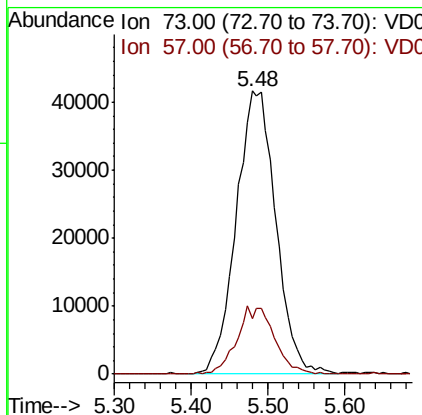
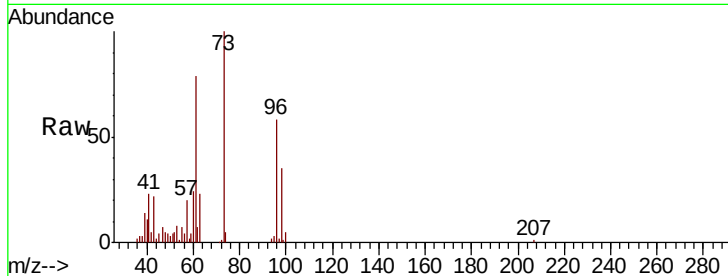


#19
Methyl tert-butyl Ether
Concen: 18.429 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampled :
VD1227SBS01

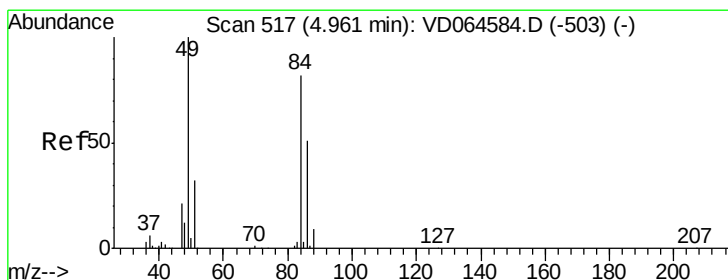
Tot Ion	Ratio	Lower	Upper
73	100		
57	19.6	18.6	27.8

Manual Integrations
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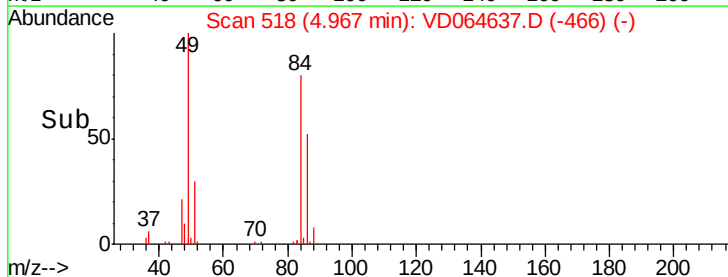
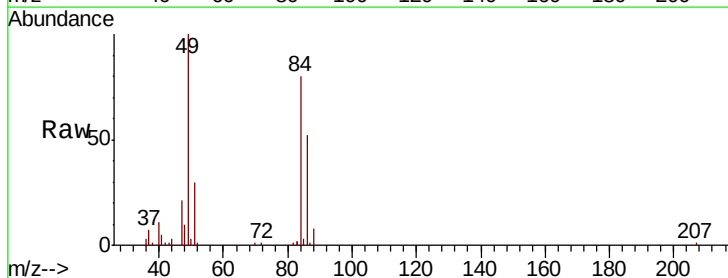
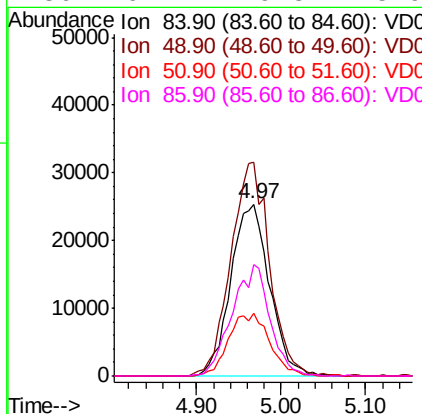
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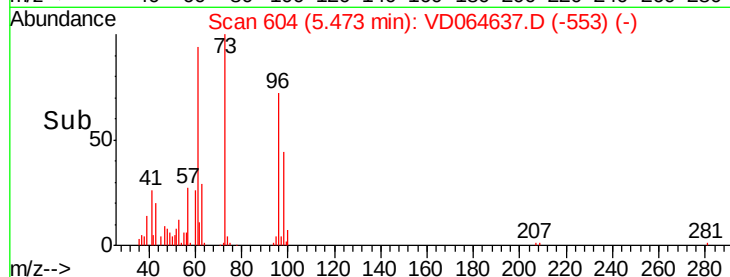
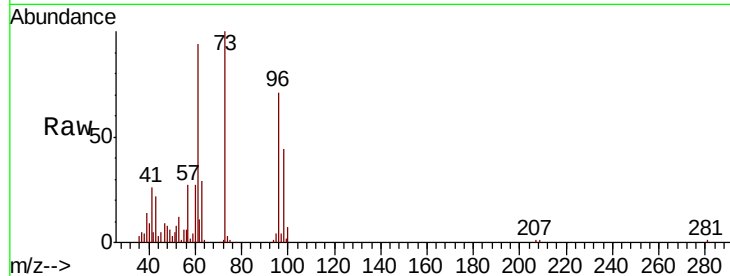
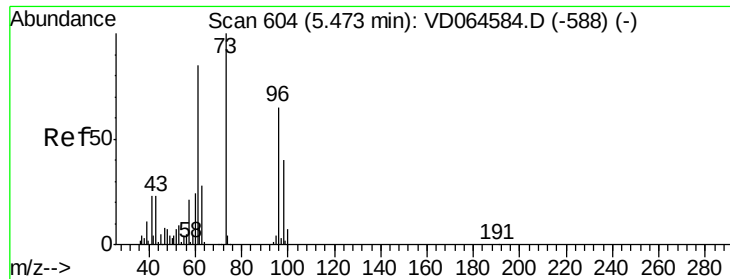
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#20
Methylene Chloride
Concen: 18.334 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.4	97.2	145.8
51	36.9	31.4	47.0
86	64.7	49.3	73.9



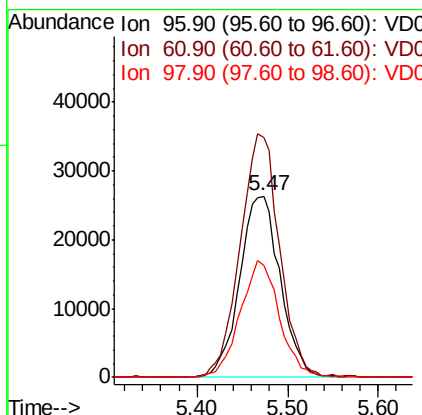


#21
trans-1,2-Dichloroethene
Concen: 19.651 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.3	104.7	157.1
98	61.7	49.4	74.2

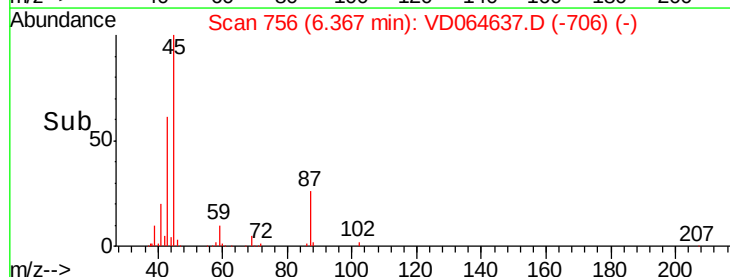
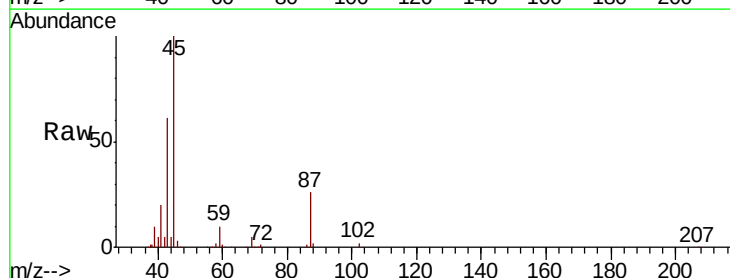
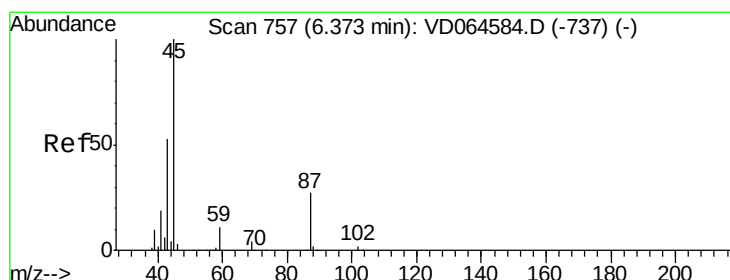
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

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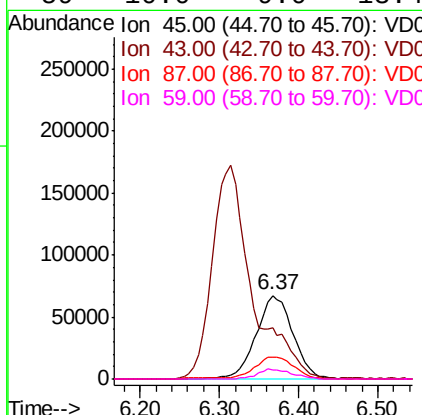
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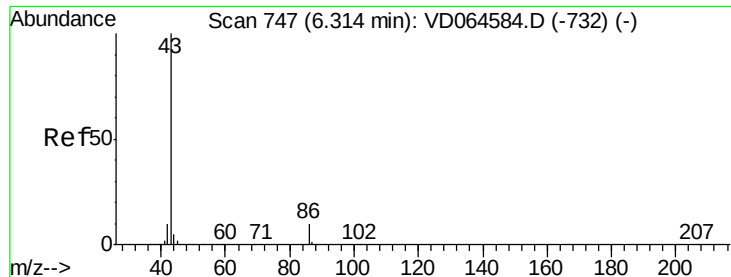
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#22
Diisopropyl ether
Concen: 19.142 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.4	43.2	64.8
87	26.2	21.9	32.9
59	10.0	9.0	13.4





#23

Vinyl Acetate

Concen: 93.356 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 43 Resp: 603532

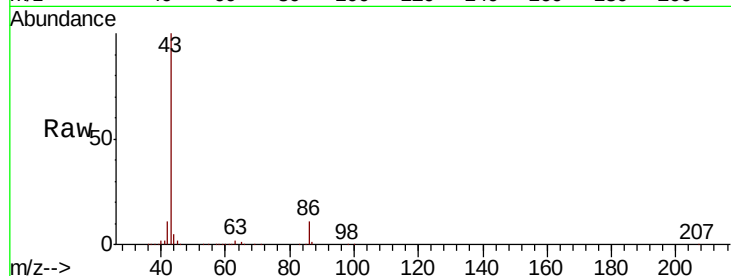
Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

200000

150000

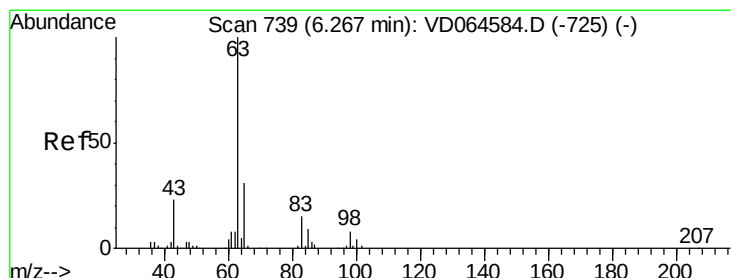
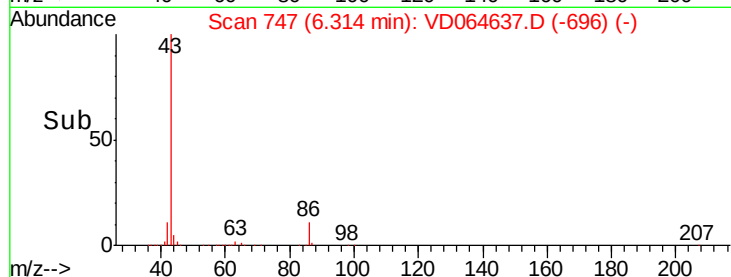
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.796 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

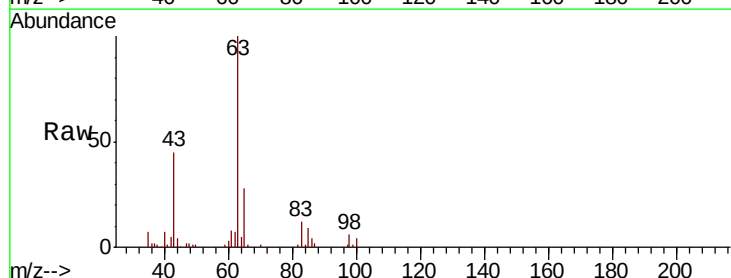
Tgt Ion: 63 Resp: 135437

Ion Ratio Lower Upper

63 100

98 6.4 4.1 12.3

100 4.5 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

50000

40000

30000

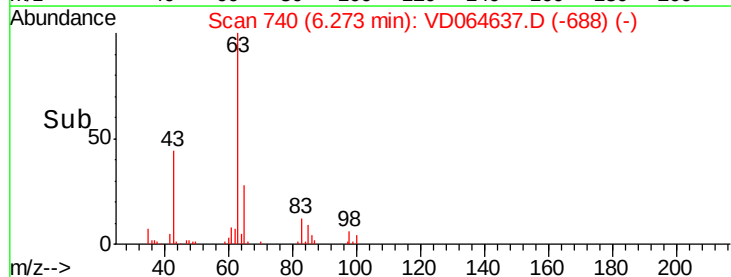
20000

10000

0

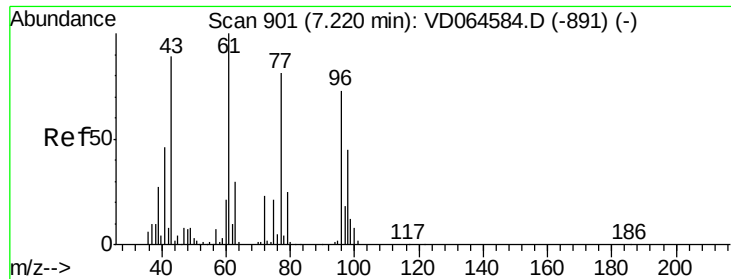
6.20 6.30 6.40

Time-->



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#25

2-Butanone

Concen: 90.633 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD01

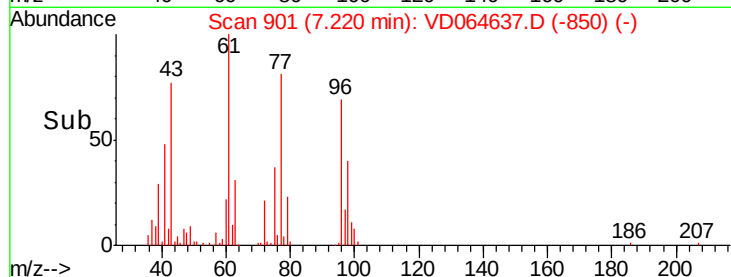
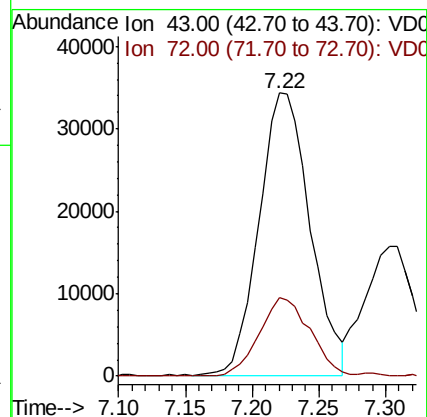
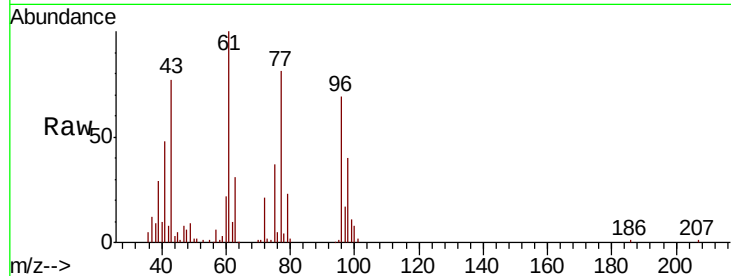
Tot Ion: 43 Resp: 91506

Ion Ratio Lower Upper

43 100

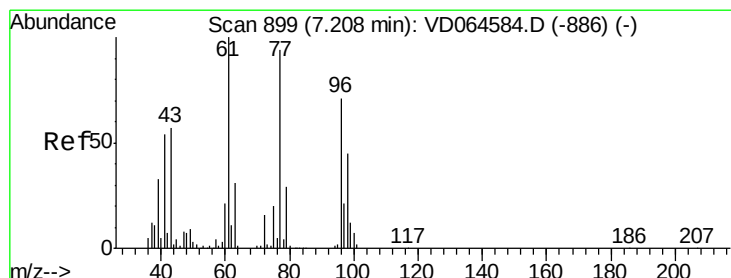
72 27.7 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 19.567 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064637.D

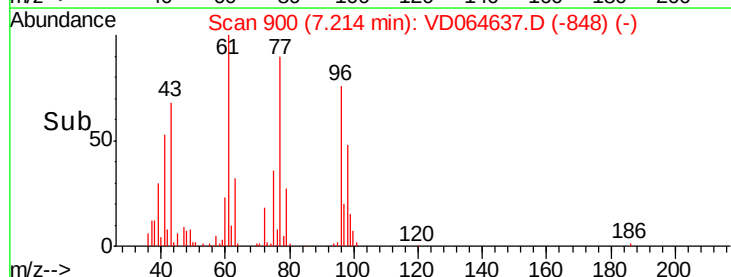
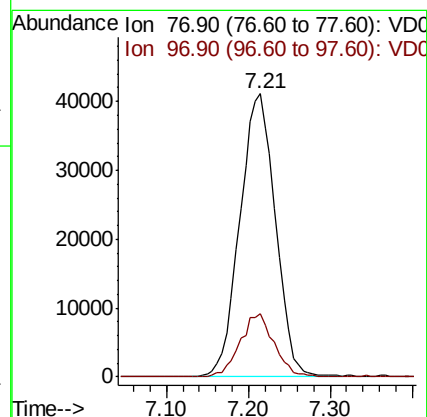
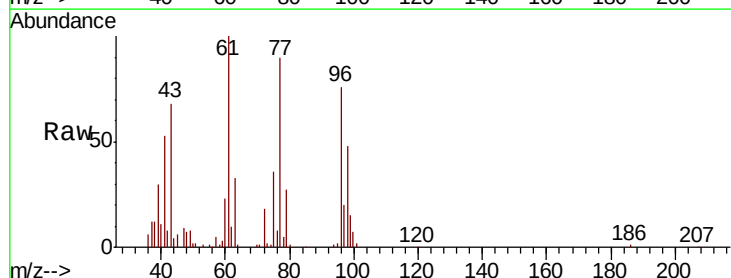
Acq: 27 Dec 2019 11:33

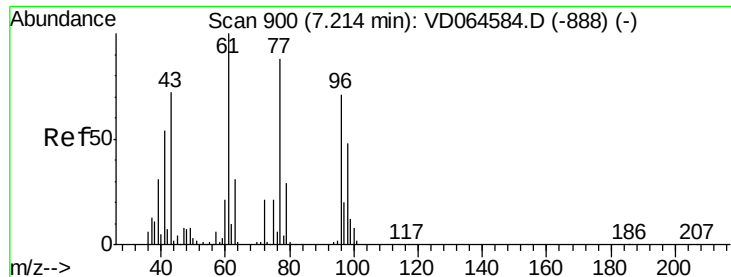
Tgt Ion: 77 Resp: 124469

Ion Ratio Lower Upper

77 100

97 21.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.251 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

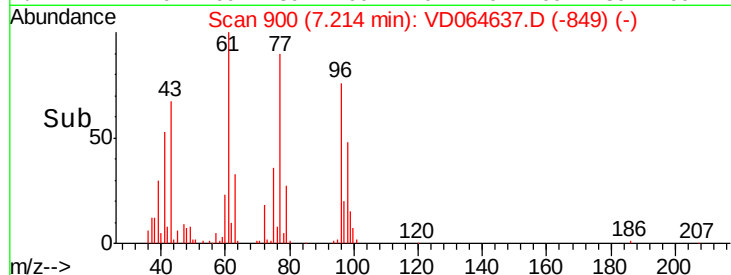
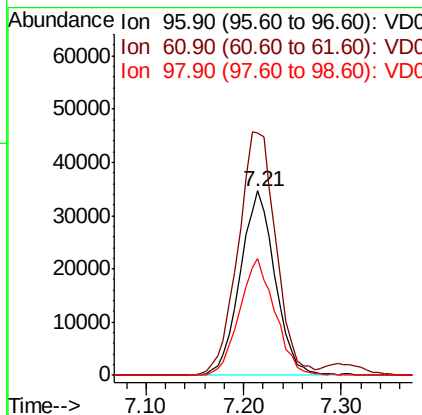
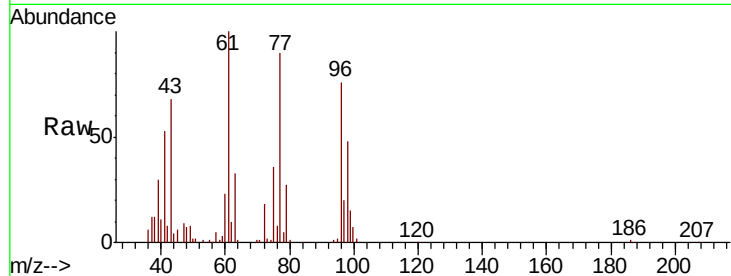
MSVOA_D

ClientSampleId :

VD1227SBSD01

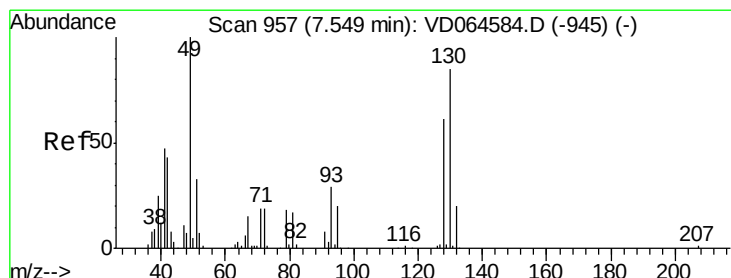
Tot Ion:	96	Resp:	86709
Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	282.6
98	64.4	0.0	130.8

Manual Integrations
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#28

Bromochloromethane

Concen: 17.872 ug/l

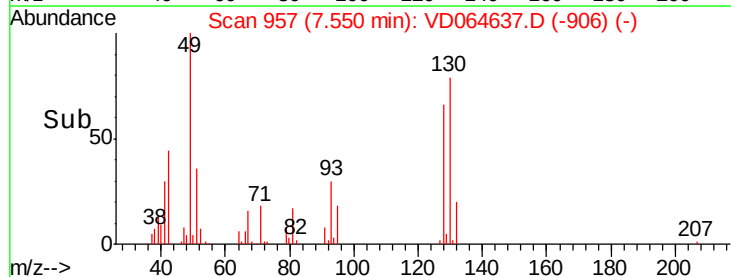
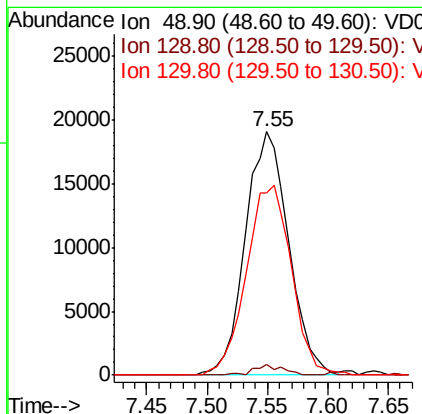
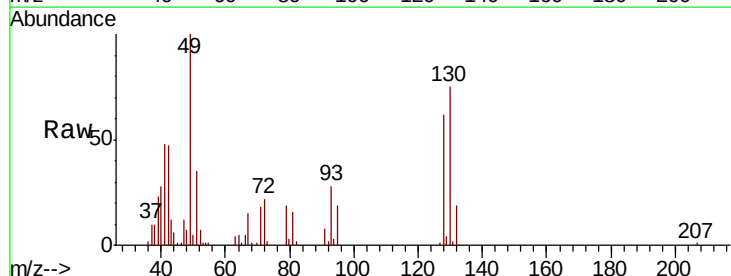
RT: 7.55 min Scan# 957

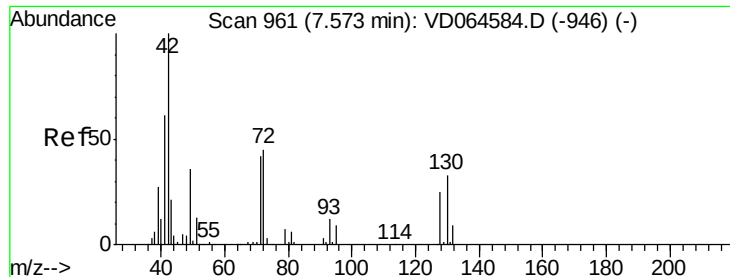
Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Tgt Ion:	49	Resp:	47532
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	4.8
130	81.0	65.0	97.6



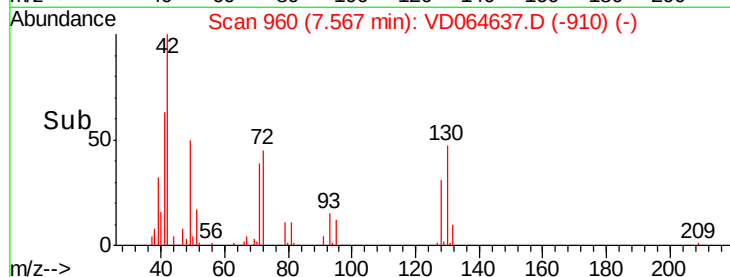
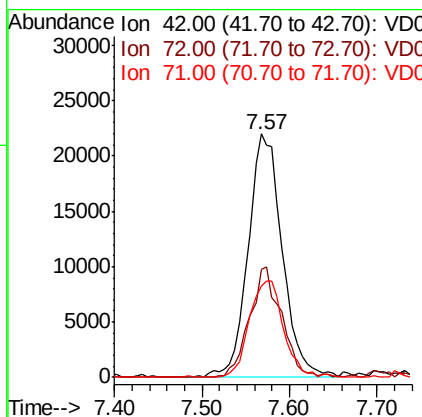
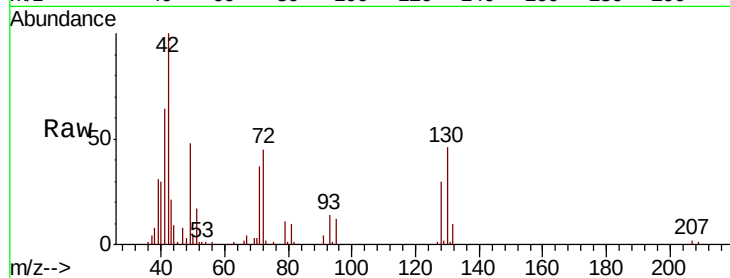


#29
Tetrahydrofuran
Concen: 93.114 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

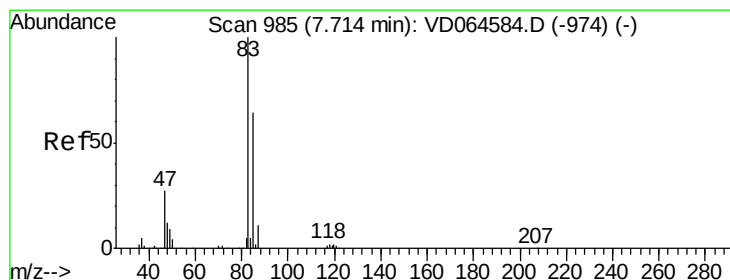
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	35.0	52.4
71	39.7	32.9	49.3

Manual Integrations
APPROVED



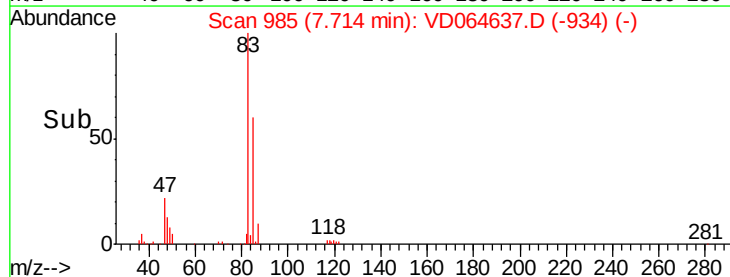
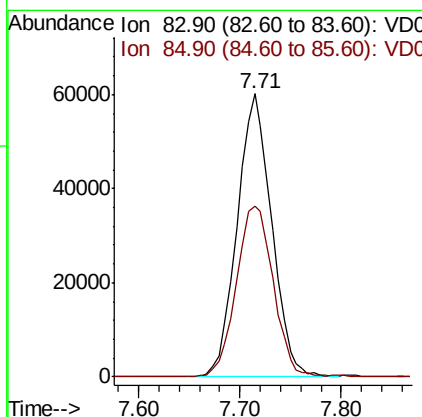
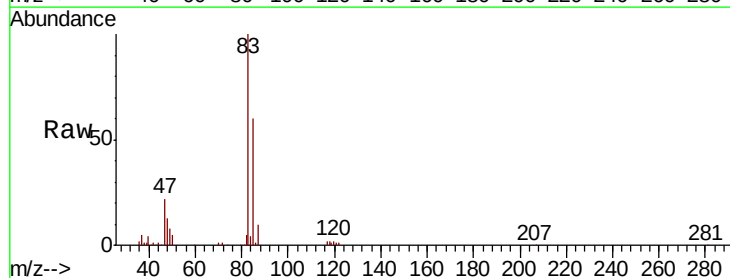
apatel

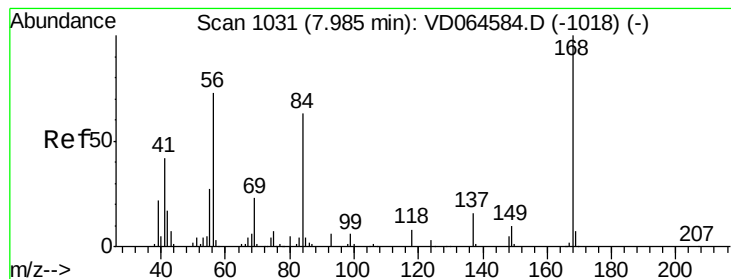
12/30/2019 11:03:07 AM



#30
Chloroform
Concen: 19.736 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.4	51.1	76.7





#31

Cyclohexane

Concen: 18.841 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 56 Resp: 129033

Ion Ratio Lower Upper

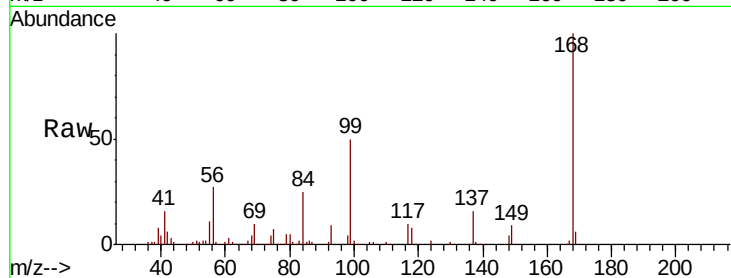
56 100

69 35.7 24.7 37.1

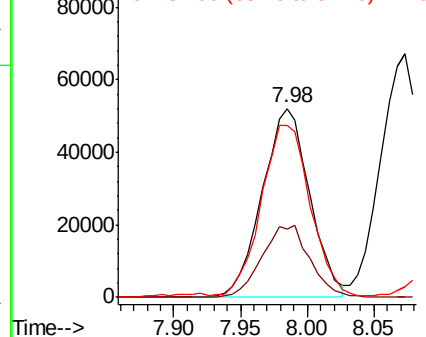
84 89.7 69.4 104.2

Manual Integrations

APPROVED

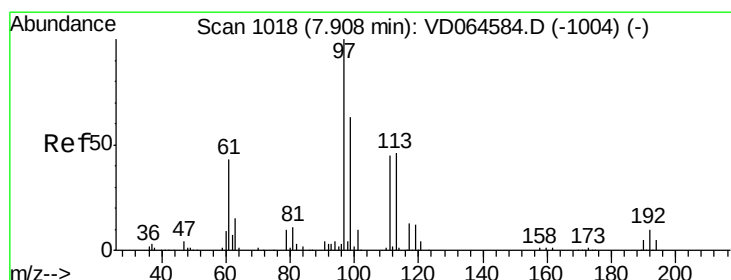
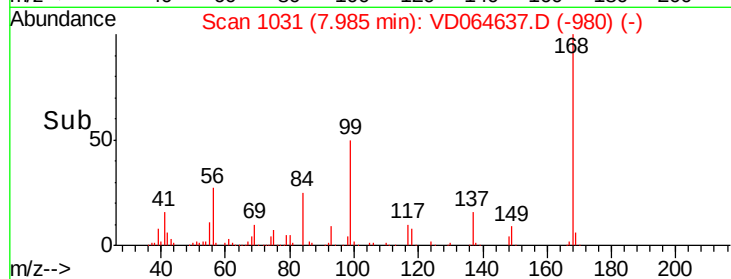


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



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#32

1,1,1-Trichloroethane

Concen: 19.677 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

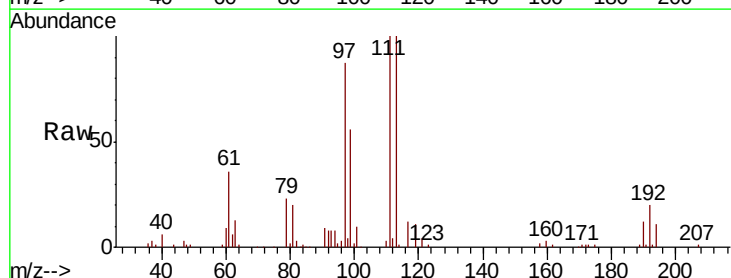
Tgt Ion: 97 Resp: 132668

Ion Ratio Lower Upper

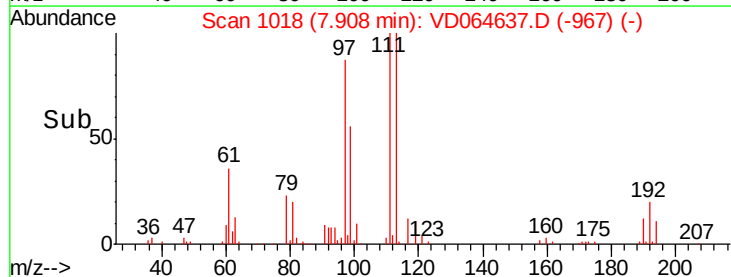
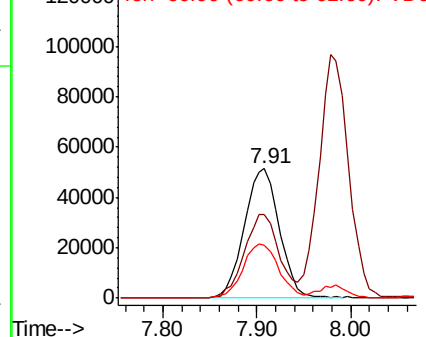
97 100

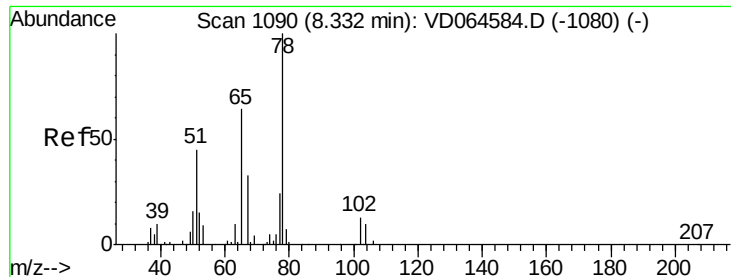
99 65.0 51.0 76.6

61 42.9 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC



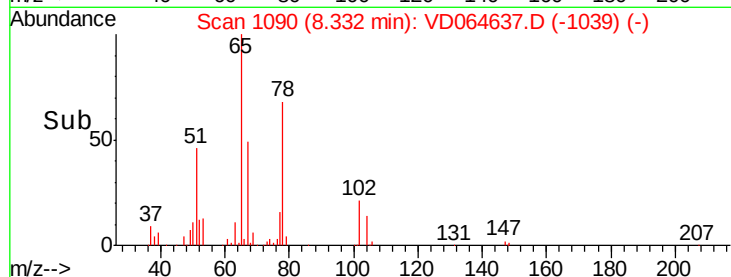
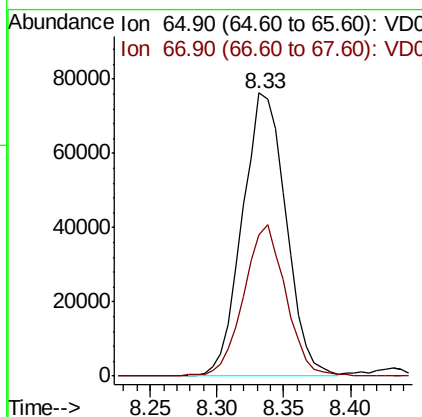
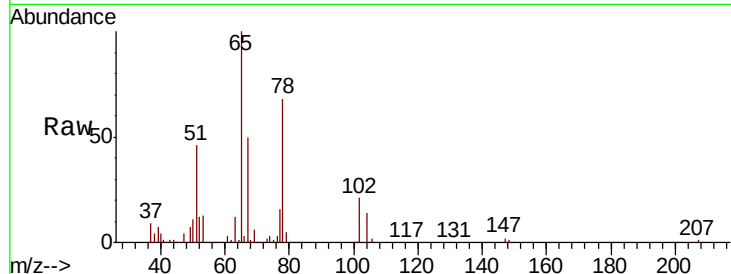


#33
 1,2-Dichloroethane-d4
 Concen: 46.990 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

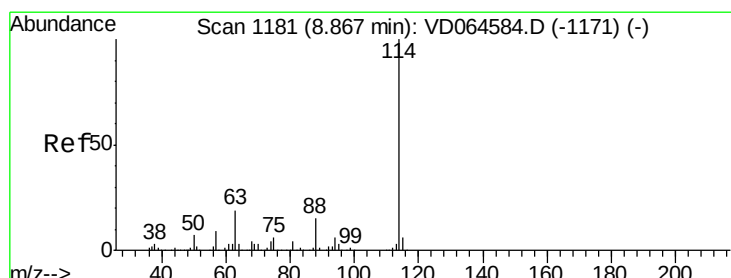
Tot Ion	Ratio	Resp	Lower	Upper
65	100	172595		
67	51.4	0.0	106.2	

Manual Integrations
 APPROVED



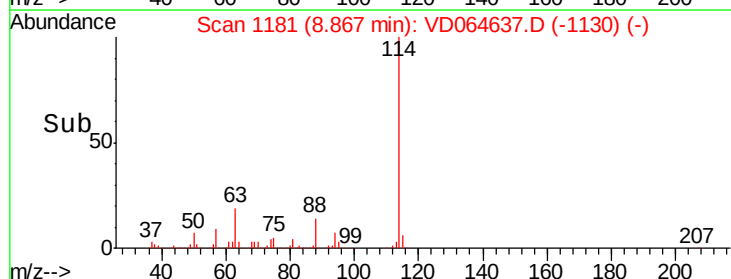
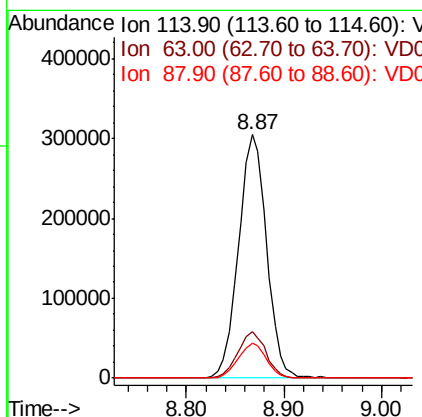
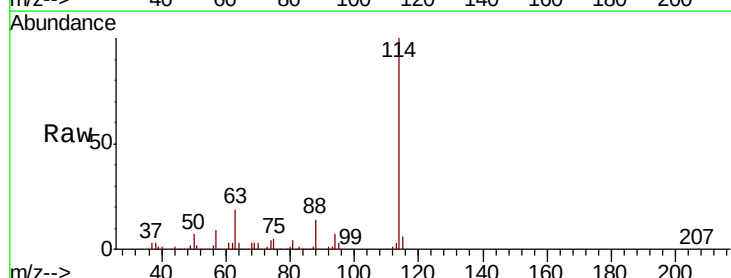
apatel

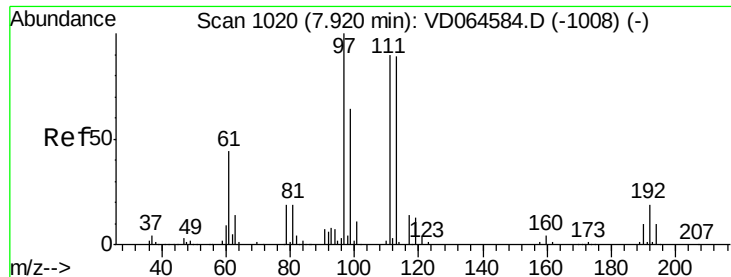
12/30/2019 11:03:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	607523		
63	19.0	0.0	38.0	
88	14.3	0.0	29.2	



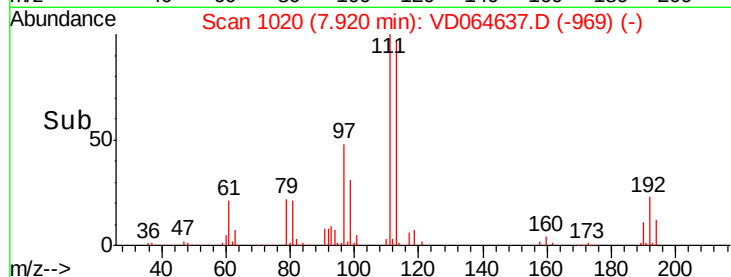
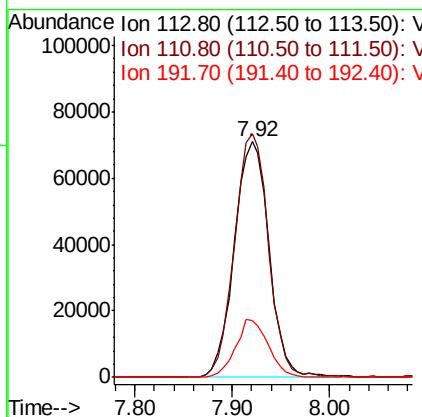
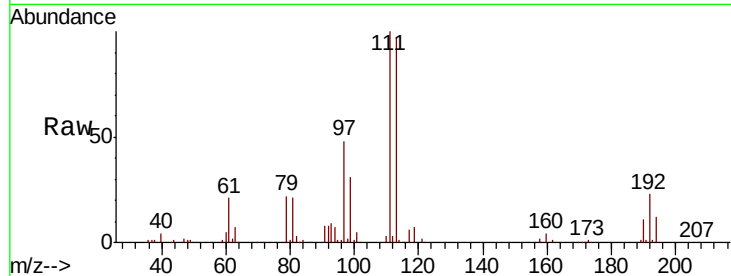


#35
 Dibromofluoromethane
 Concen: 47.333 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1227SBS01

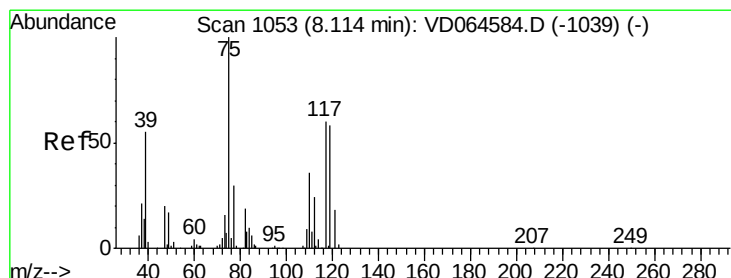
Tot Ion	Ratio	Resp	Lower	Upper
113	100	176422		
111	101.3	80.6	121.0	
192	23.1	17.9	26.9	

Manual Integrations
 APPROVED



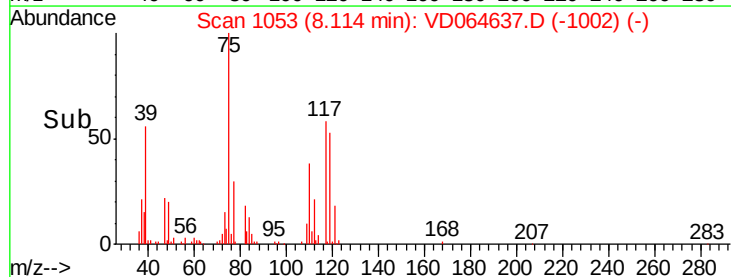
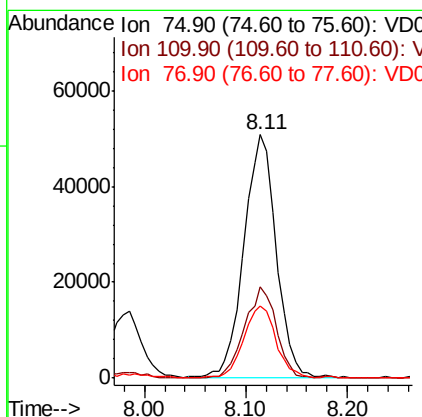
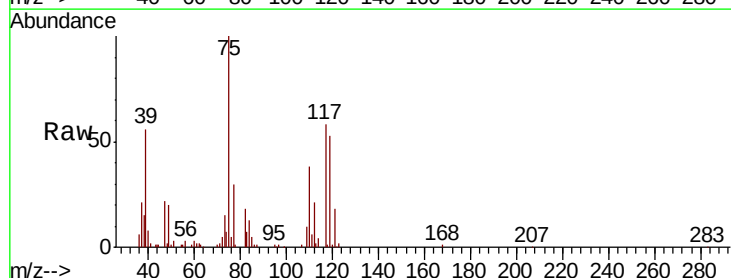
apatel

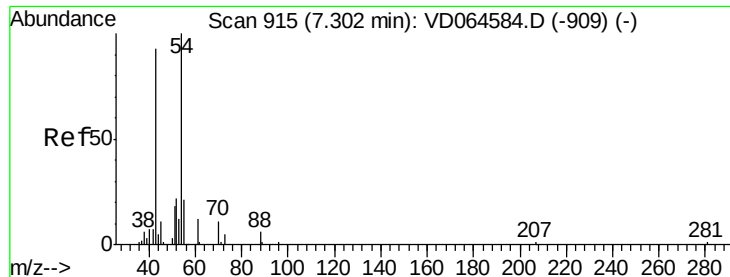
12/30/2019 11:03:07 AM



#36
 1,1-Dichloropropene
 Concen: 19.132 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	111872		
110	37.0	18.1	54.1	
77	30.0	24.2	36.4	



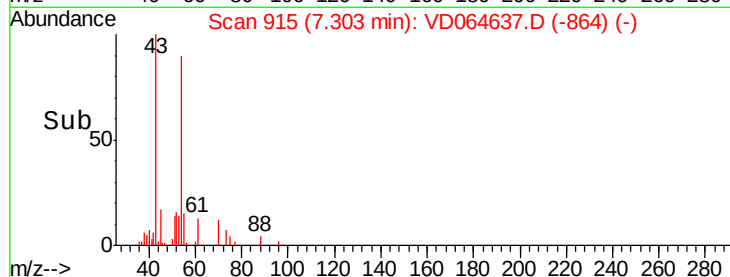
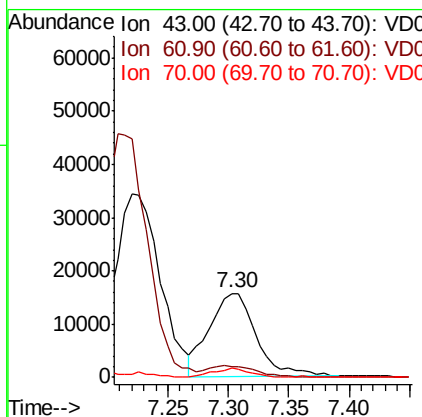
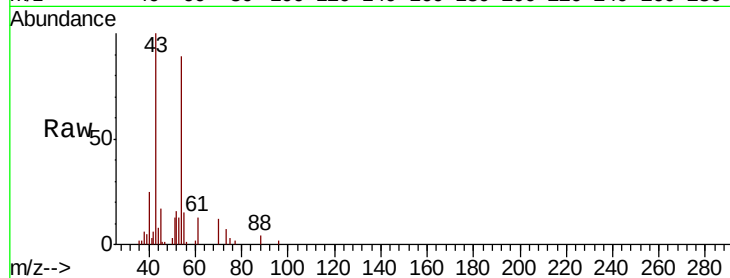


#37
Ethyl Acetate
Concen: 18.207 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

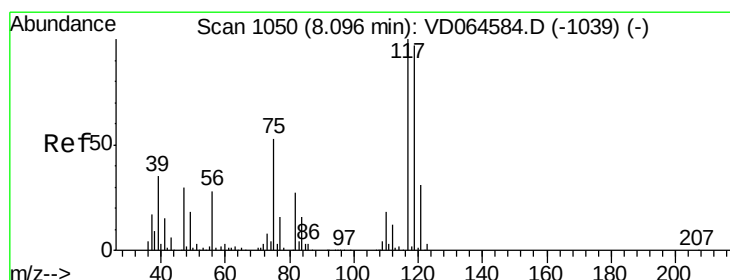
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.3	15.5
70	8.8	7.6	11.4

Manual Integrations
APPROVED



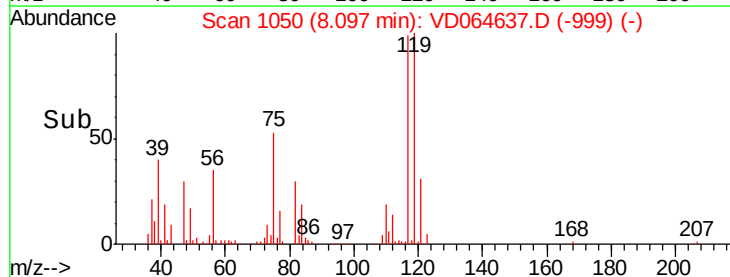
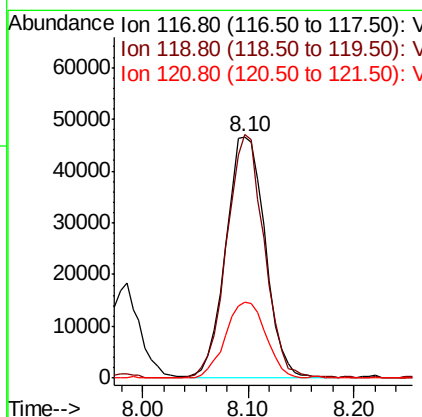
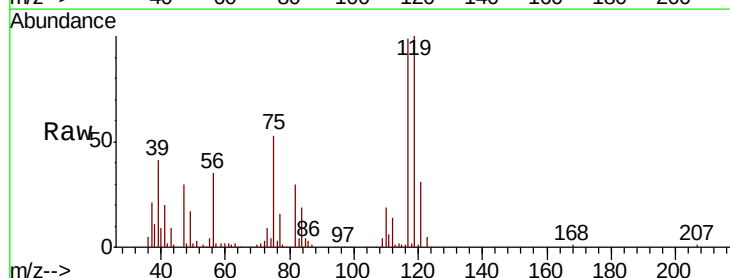
apatel

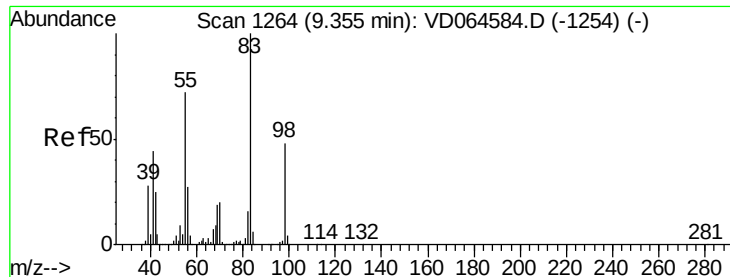
12/30/2019 11:03:07 AM



#38
Carbon Tetrachloride
Concen: 19.278 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.8	77.3	115.9
121	31.2	25.0	37.6



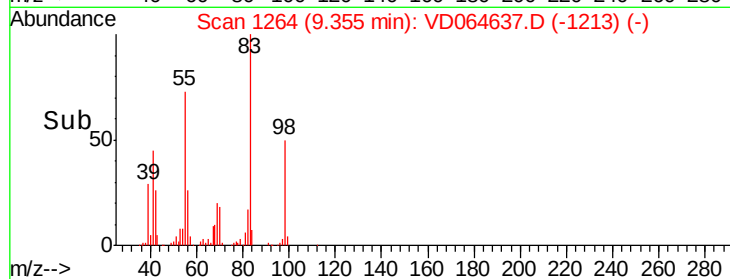
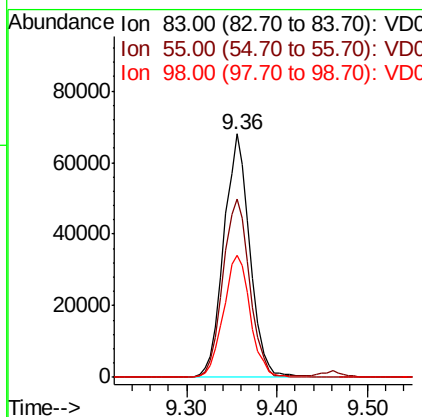
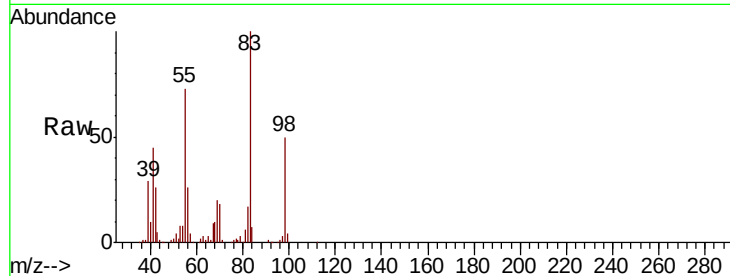


#39
Methylvlcyclohexane
Concen: 19.182 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

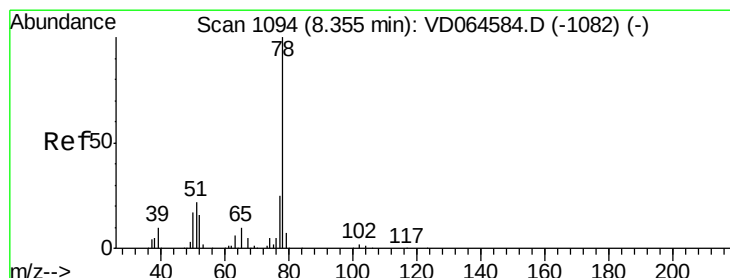
Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	57.8	86.6
98	50.1	38.7	58.1

Manual Integrations
APPROVED



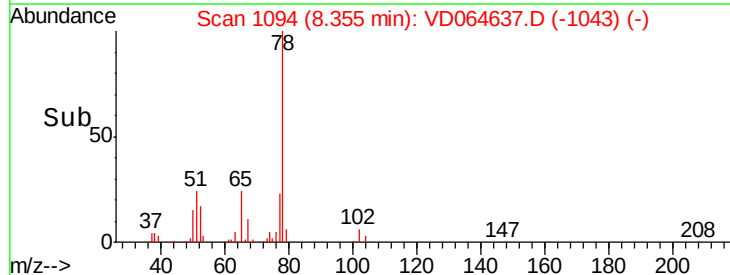
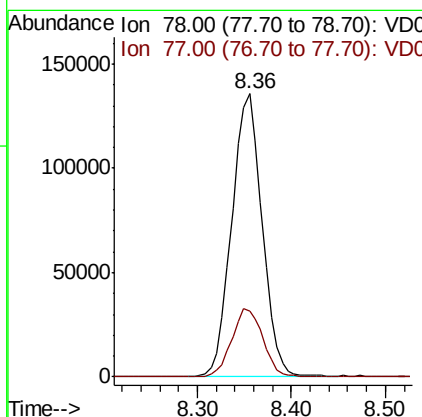
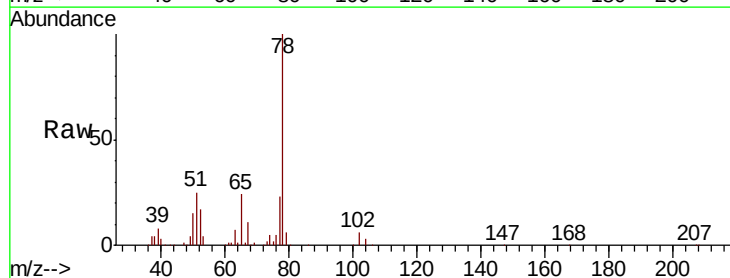
apatel

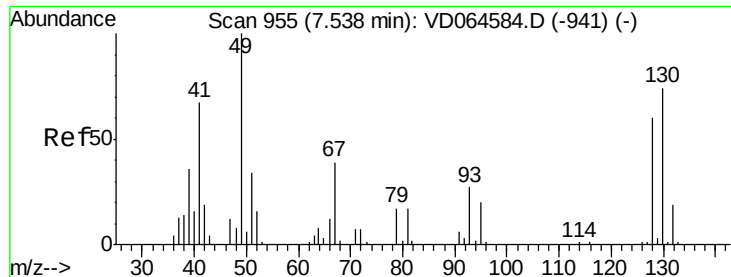
12/30/2019 11:03:07 AM



#40
Benzene
Concen: 19.098 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.9	29.9



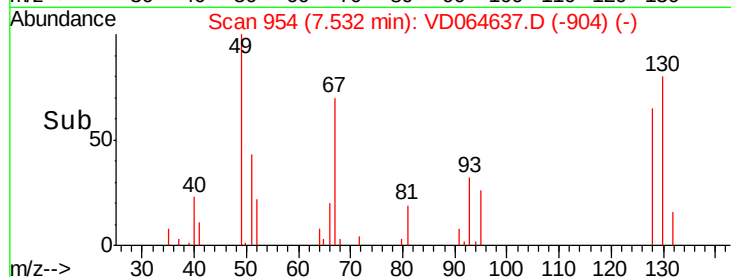
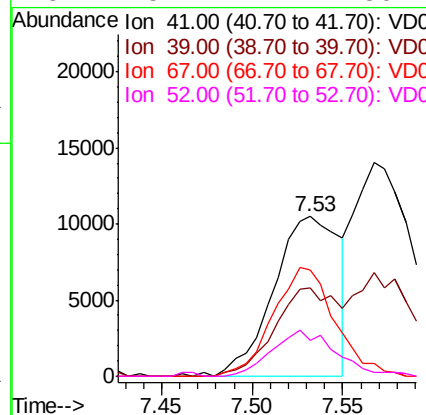
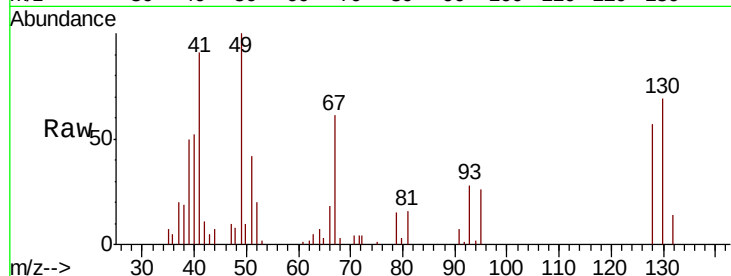


#41
Methacrylonitrile
Concen: 19.920 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

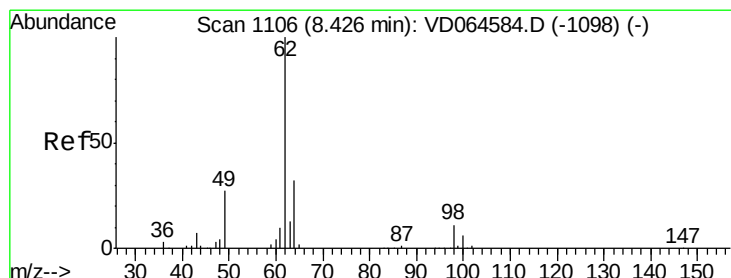
Tot Ion	41	Resp	26550
Ion	Ratio	Lower	Upper
41	100		
39	52.9	46.7	70.1
67	64.1	52.5	78.7
52	28.1	24.1	36.1

Manual Integrations
APPROVED



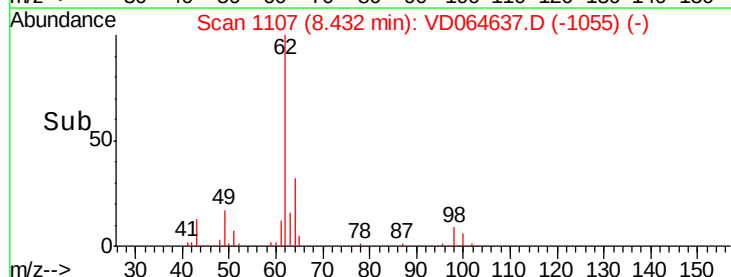
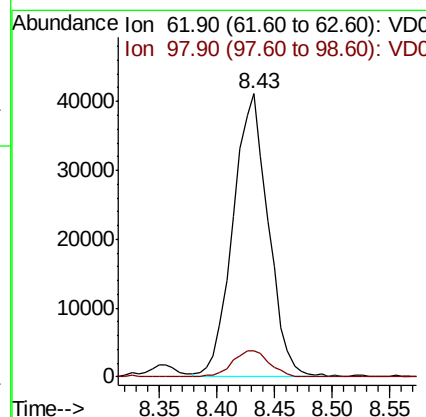
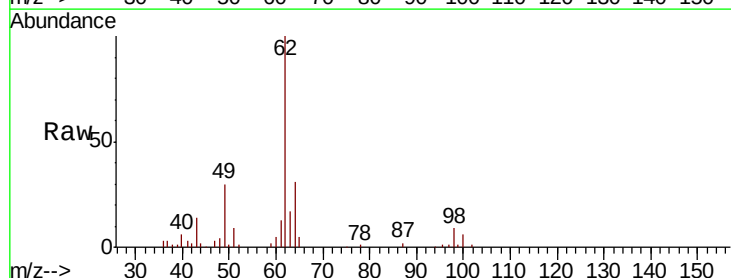
apatel

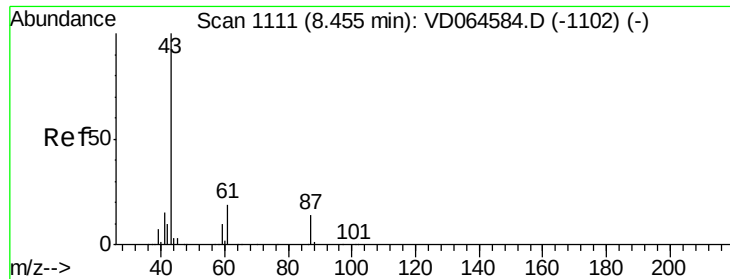
12/30/2019 11:03:07 AM



#42
1,2-Dichloroethane
Concen: 18.958 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	62	Resp	87451
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0



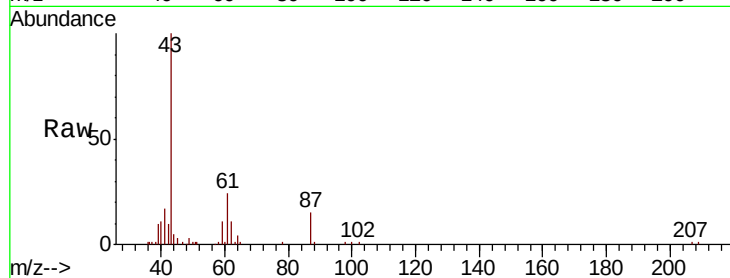


#43
Isopropyl Acetate
Concen: 17.411 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

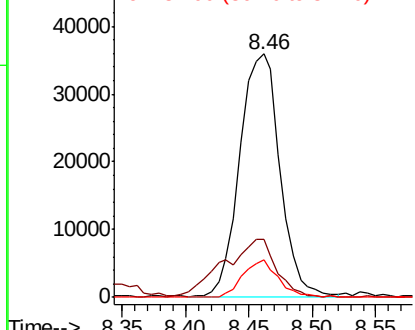
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.4	23.7	35.5
87	13.5	10.5	15.7

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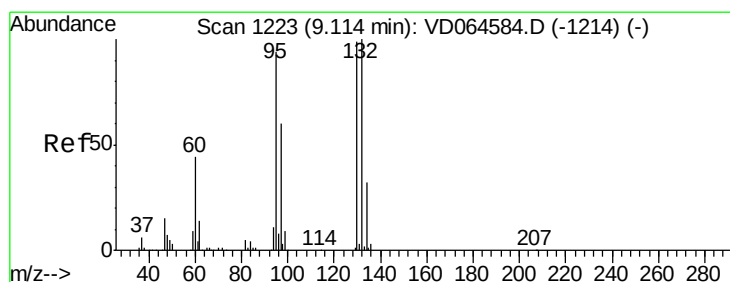
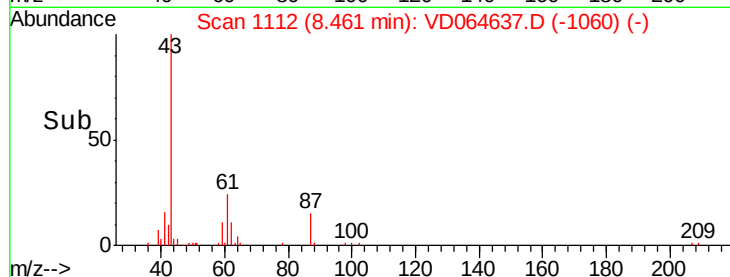


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



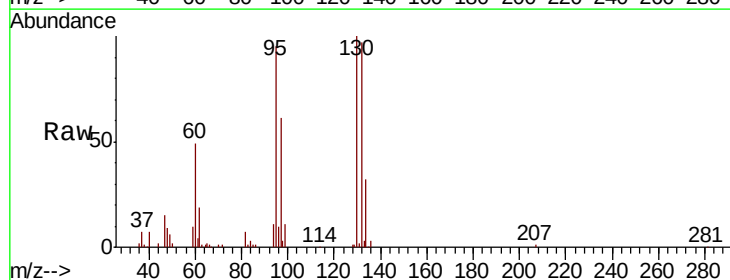
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12/30/2019 11:03:07 AM

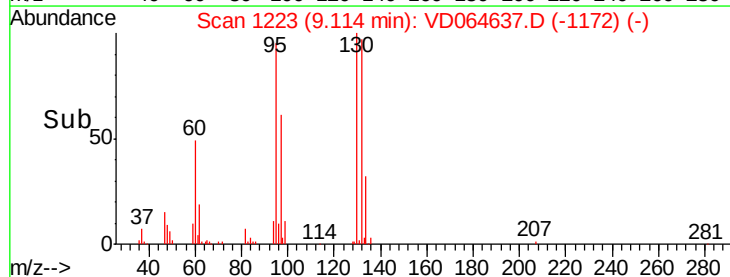
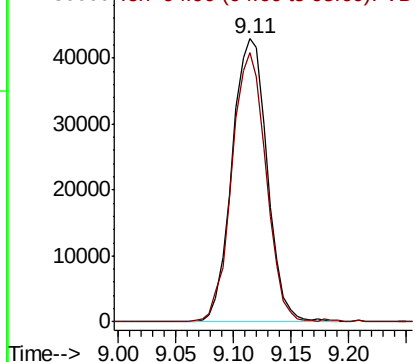


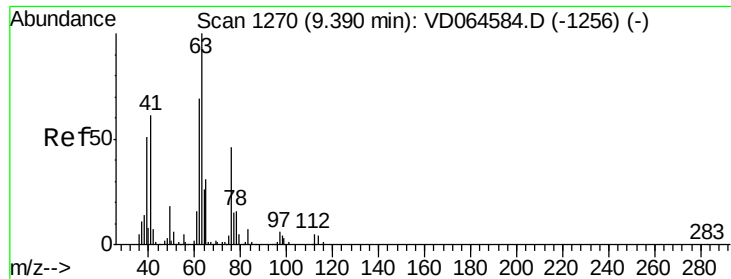
#44
Trichloroethene
Concen: 19.266 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC



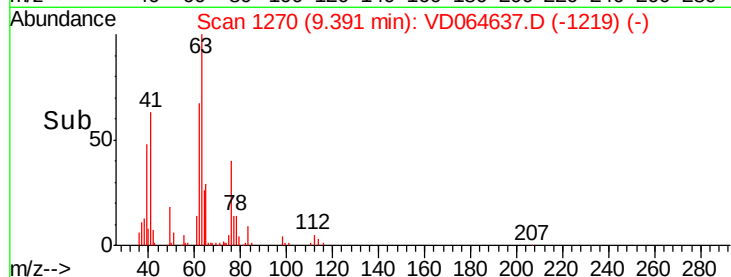
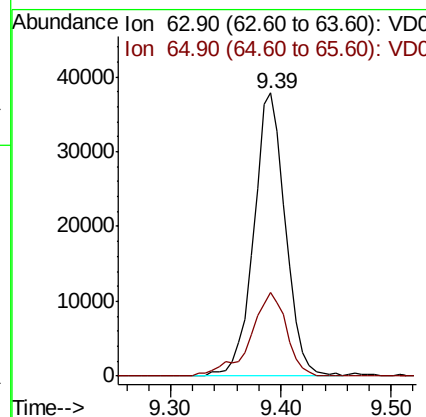
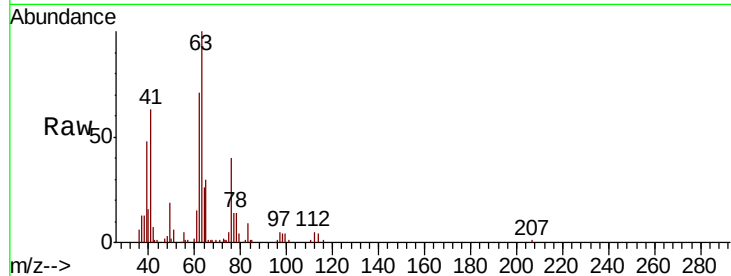


#45
 1,2-Dichloropropane
 Concen: 19.910 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

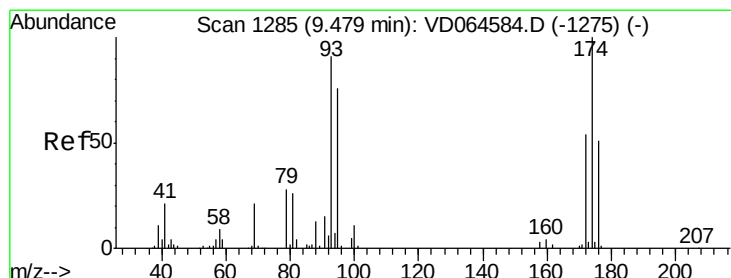
Tot Ion: 63 Resp: 75882
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.2 37.8

Manual Integrations
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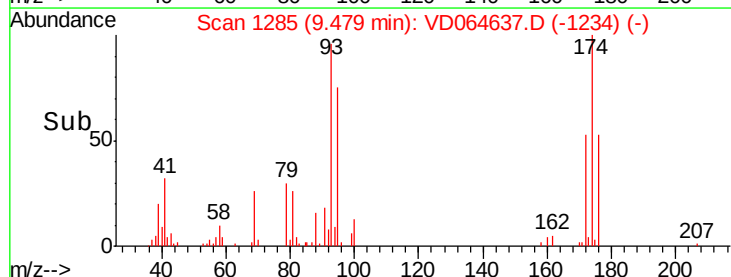
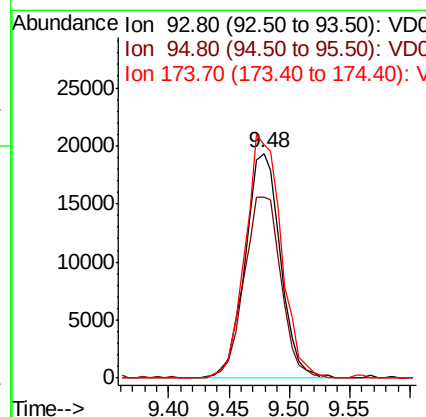
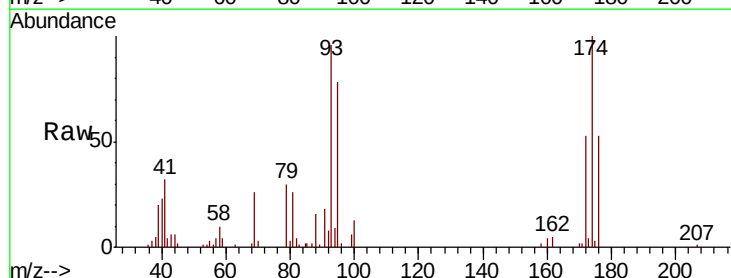
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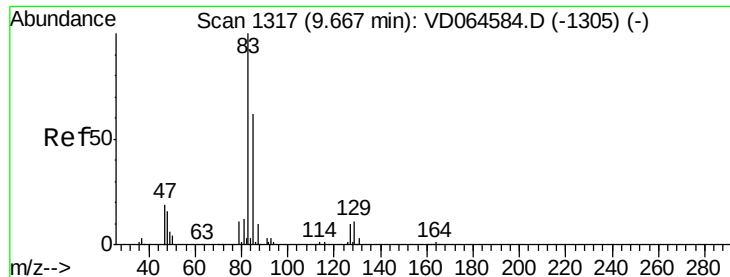
12/30/2019 11:03:07 AM



#46
 Dibromomethane
 Concen: 18.555 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion: 93 Resp: 39429
 Ion Ratio Lower Upper
 93 100
 95 84.8 64.6 97.0
 174 110.4 88.1 132.1





#47

Bromodichloromethane

Concen: 19.168 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

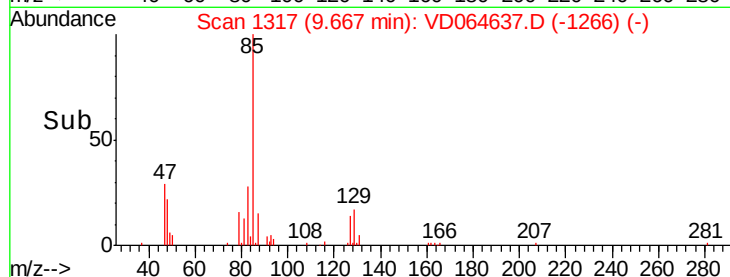
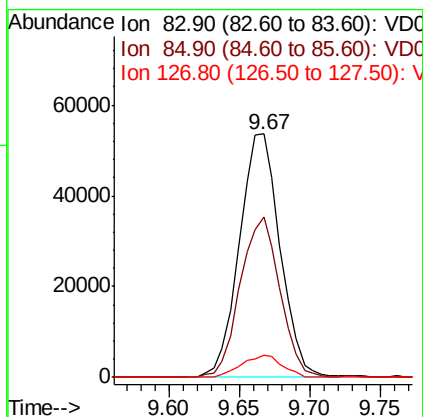
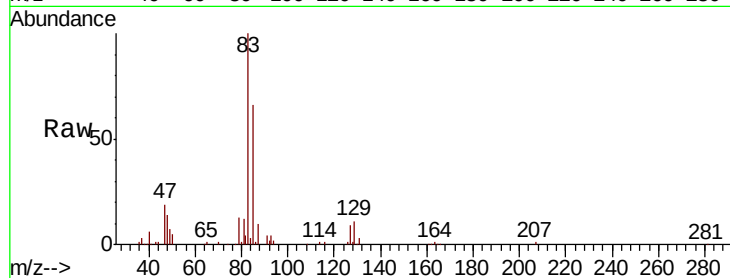
MSVOA_D

ClientSampleId :

VD1227SBS01

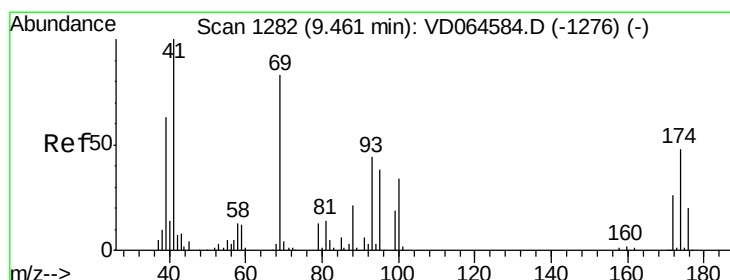
Tot Ion:	83	Resp:	108381
Ion	Ratio	Lower	Upper
83	100		
85	66.1	49.5	74.3
127	9.1	7.8	11.6

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12/30/2019 11:03:07 AM



#48

Methyl methacrylate

Concen: 17.262 ug/l

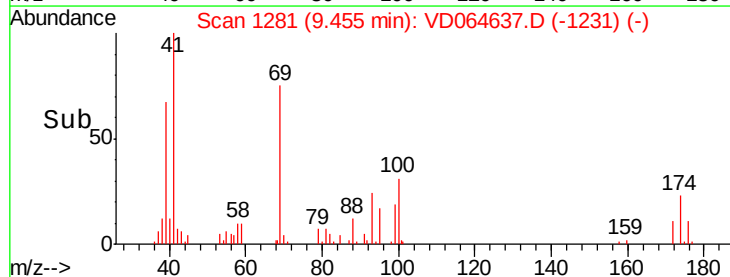
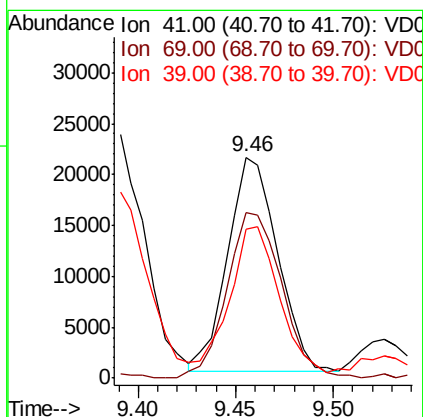
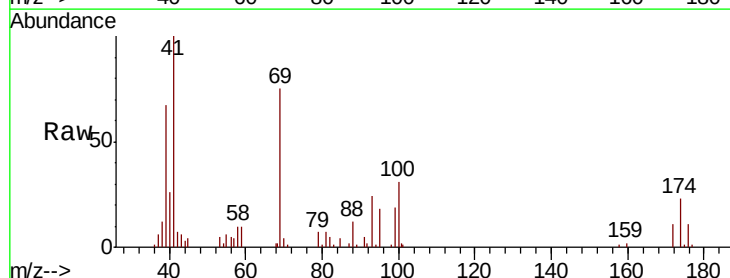
RT: 9.46 min Scan# 1281

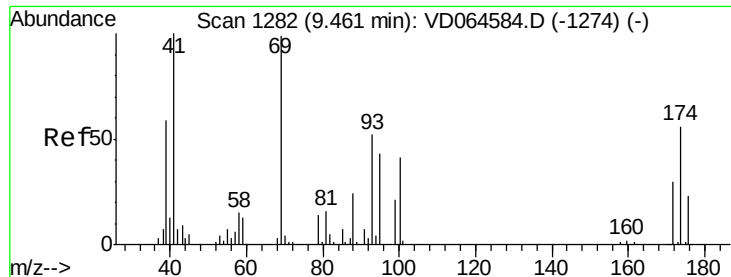
Delta R.T. -0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Tgt Ion:	41	Resp:	37164
Ion	Ratio	Lower	Upper
41	100		
69	85.5	63.0	94.6
39	66.9	47.4	71.2



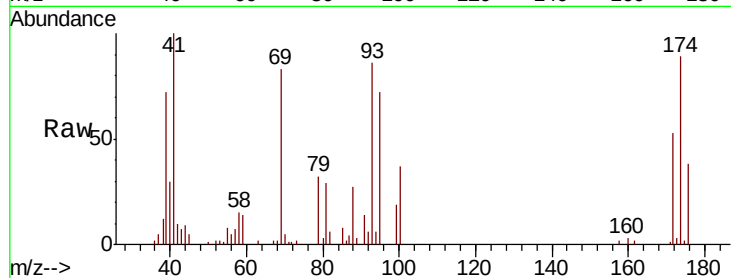


#49
1,4-Dioxane
Concen: 375.317 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	27.7	41.5
58	60.0	53.8	80.6

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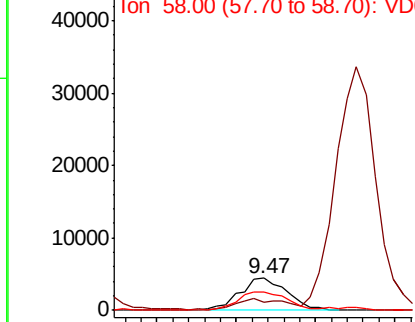


Abundance

Ion 88.00 (87.70 to 88.70): VDC

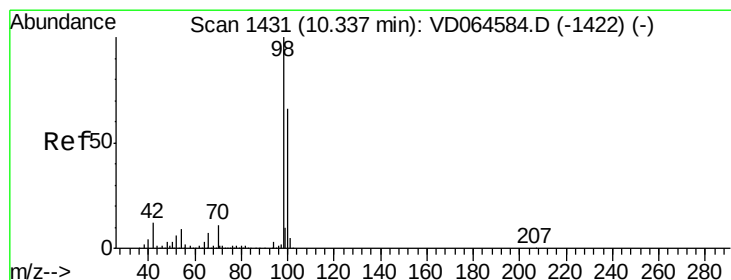
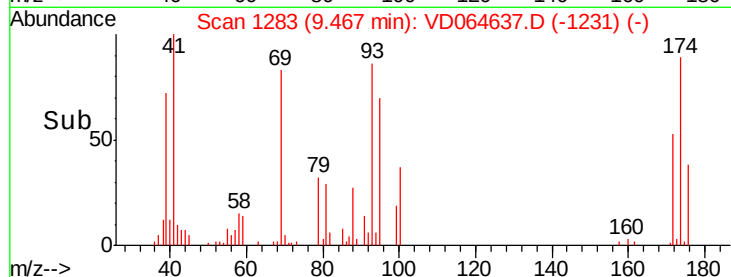
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



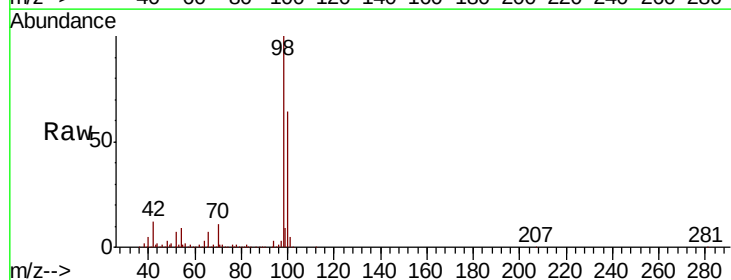
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12/30/2019 11:03:07 AM



#50
Toluene-d8
Concen: 47.739 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

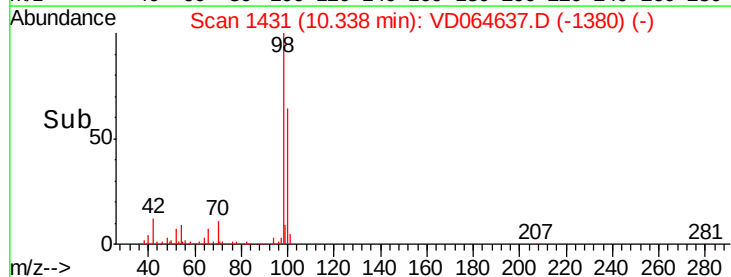
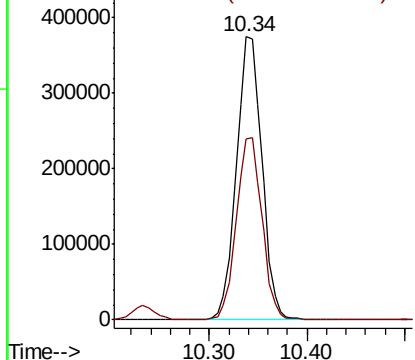
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5

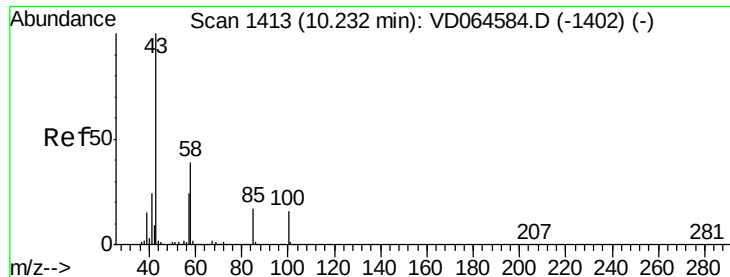


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



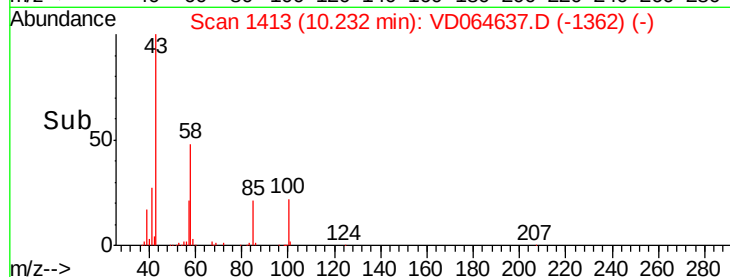
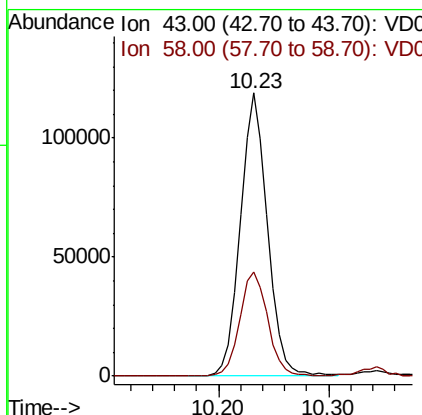
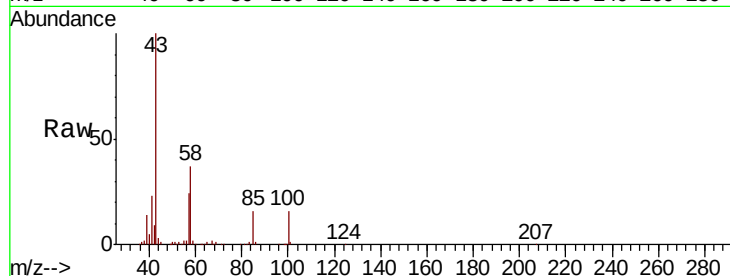


#51
4-Methyl-2-Pentanone
Concen: 90.829 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

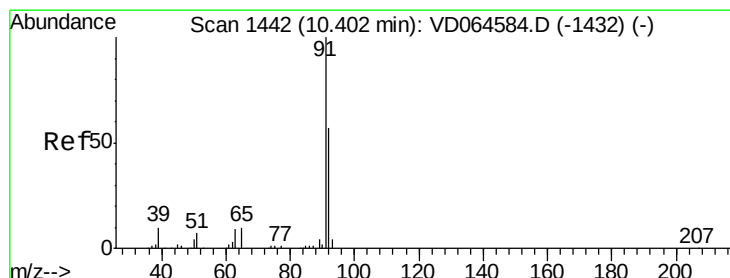
Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.2	45.2

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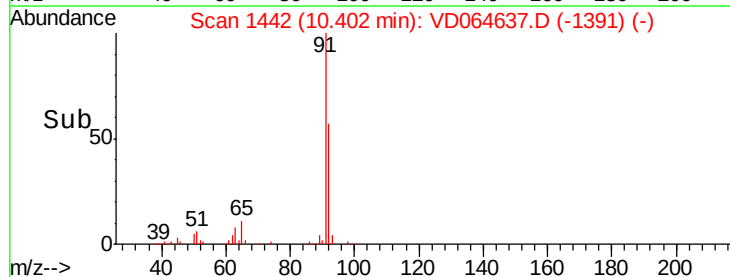
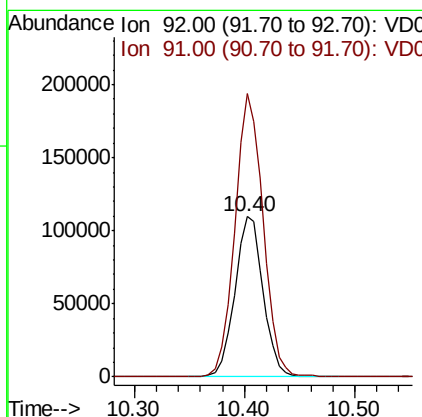
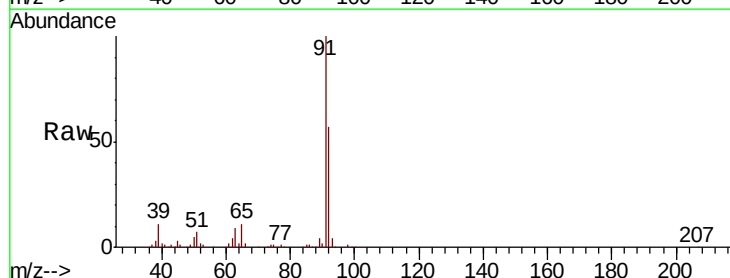
apatel

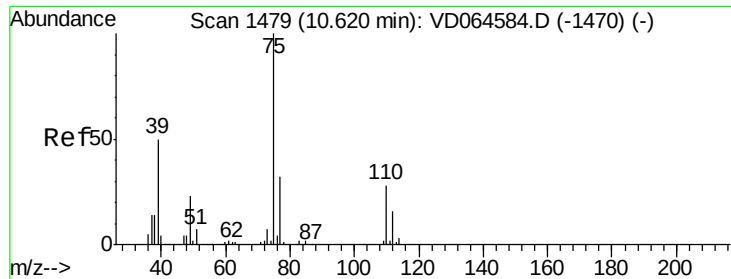
12/30/2019 11:03:07 AM



#52
Toluene
Concen: 18.814 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.4	138.7	208.1



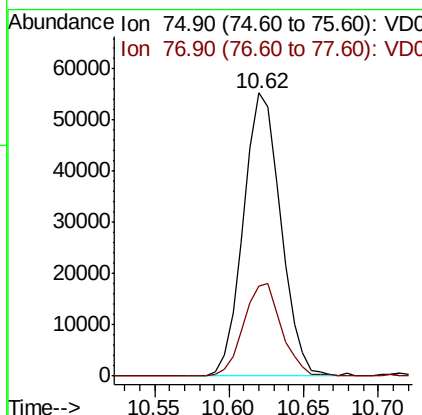
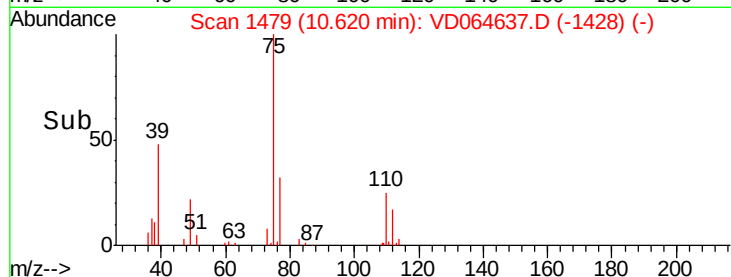
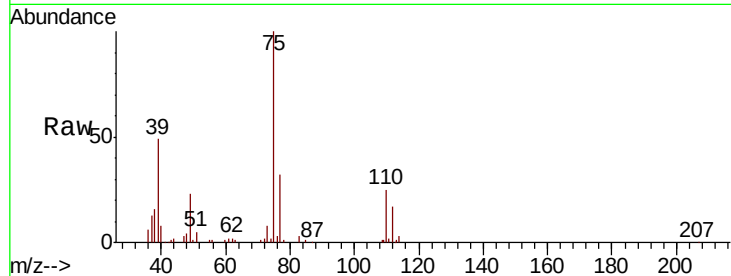


#53
t-1,3-Dichloropropene
Concen: 18.249 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

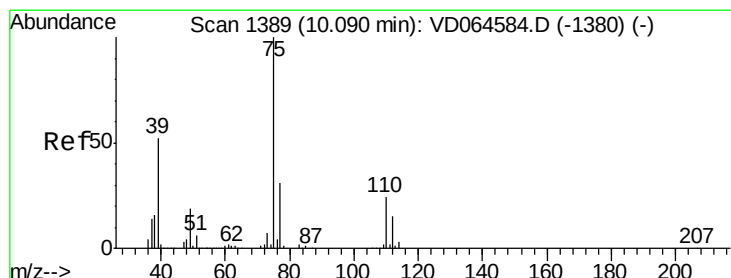
Tot Ion: 75 Resp: 96201
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2

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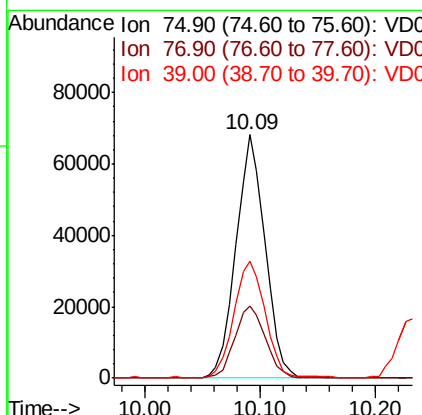
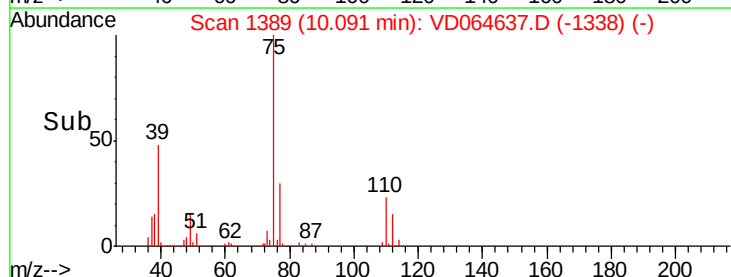
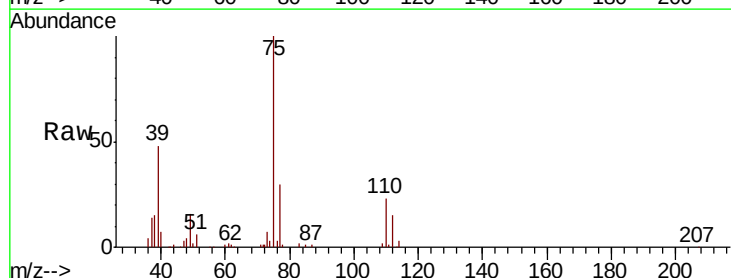
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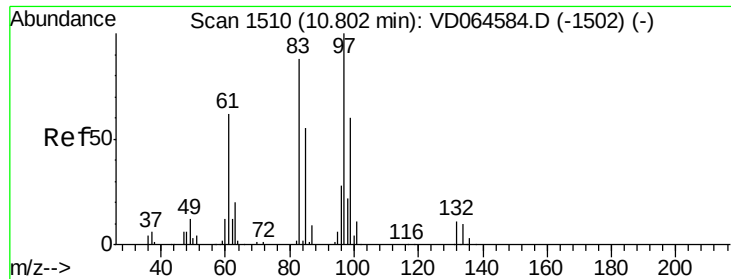
12/30/2019 11:03:07 AM



#54
cis-1,3-Dichloropropene
Concen: 19.180 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion: 75 Resp: 119225
Ion Ratio Lower Upper
75 100
77 29.5 24.6 36.8
39 47.9 41.4 62.2



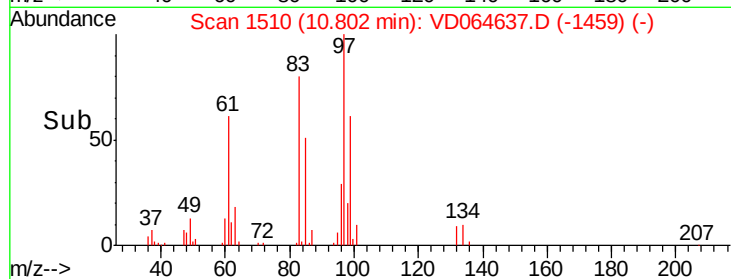
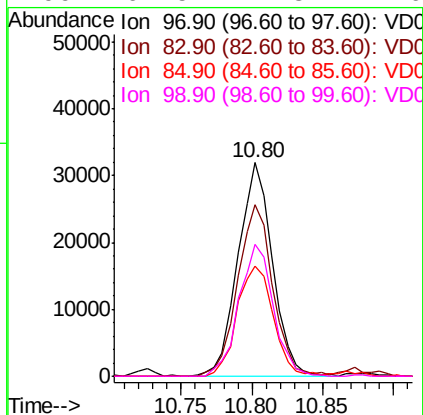
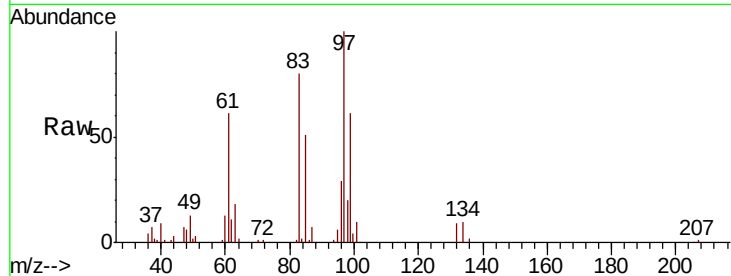


#55
 1,1,2-Trichloroethane
 Concen: 19.116 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1227SBS01

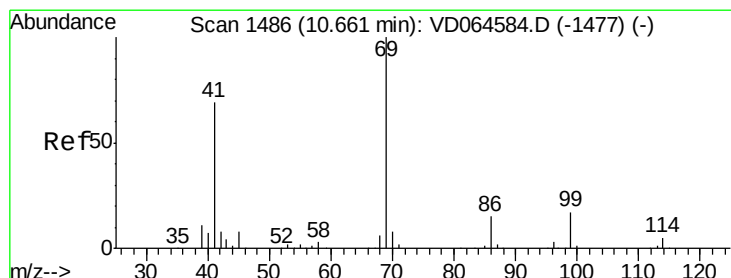
Tot Ion:	97	Resp:	54742
Ion	Ratio	Lower	Upper
97	100		
83	80.4	70.2	105.4
85	51.3	44.0	66.0
99	61.5	47.8	71.6

Manual Integrations
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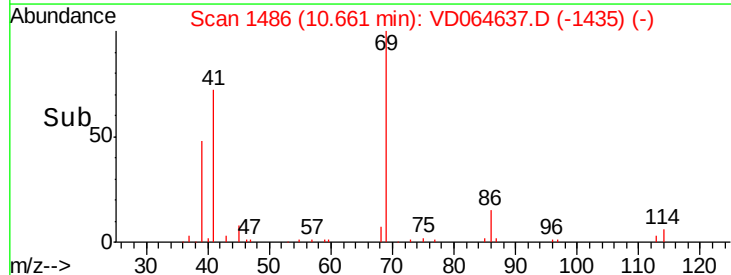
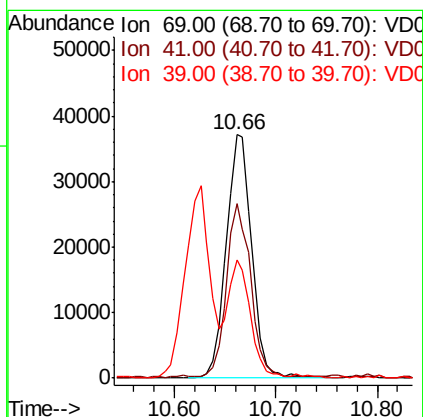
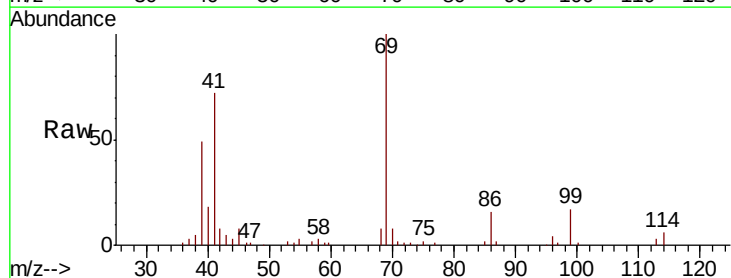
apatel

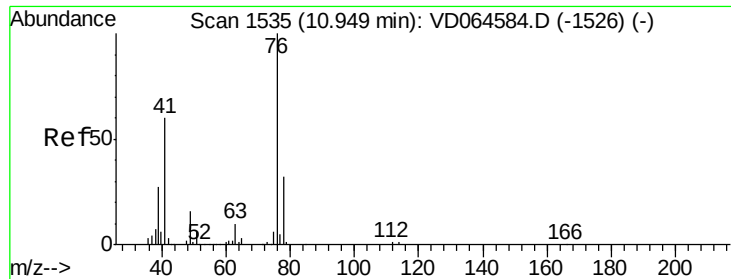
12/30/2019 11:03:07 AM



#56
 Ethyl methacrylate
 Concen: 18.115 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion:	69	Resp:	64786
Ion	Ratio	Lower	Upper
69	100		
41	67.1	55.3	82.9
39	42.7	33.8	50.8



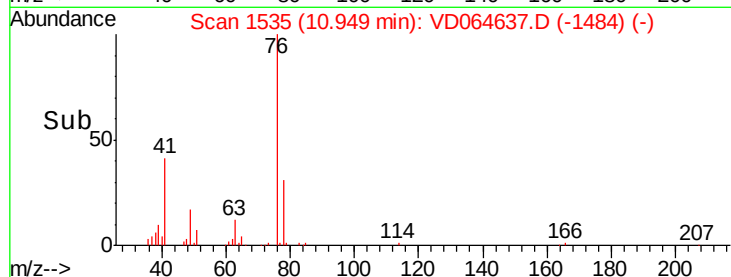
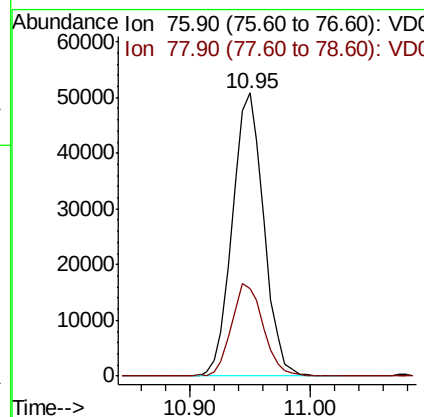
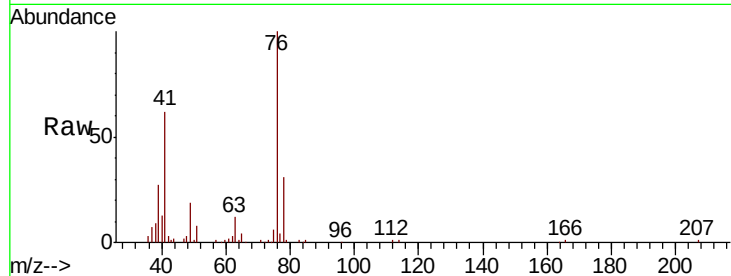


#57
 1,3-Dichloropropane
 Concen: 18.635 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

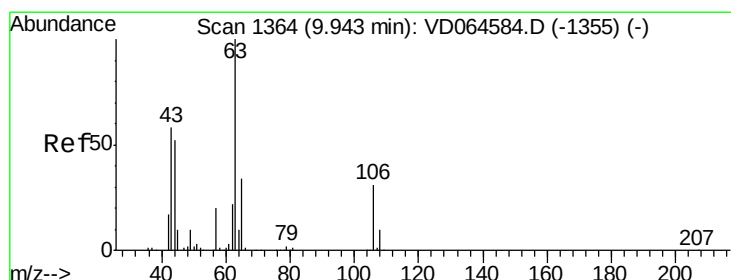
Tot Ion: 76 Resp: 91884
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.4

Manual Integrations
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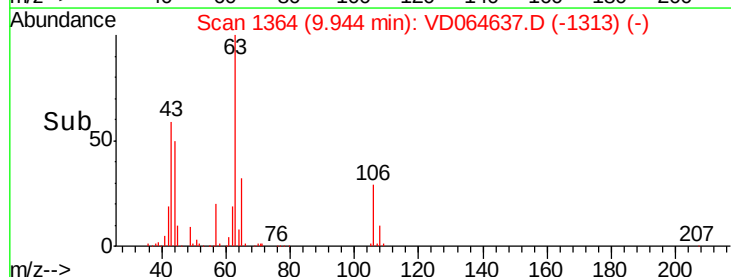
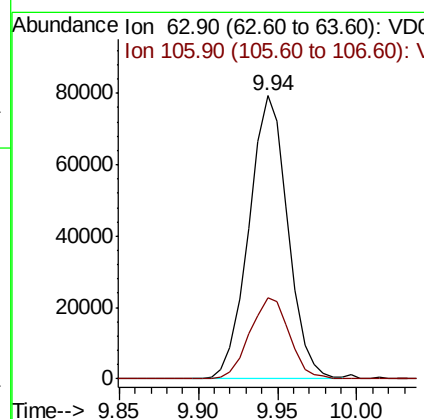
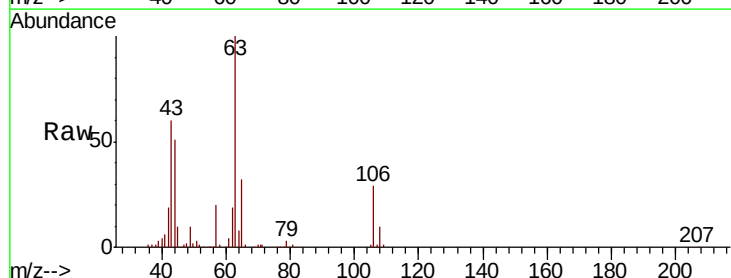
apatel

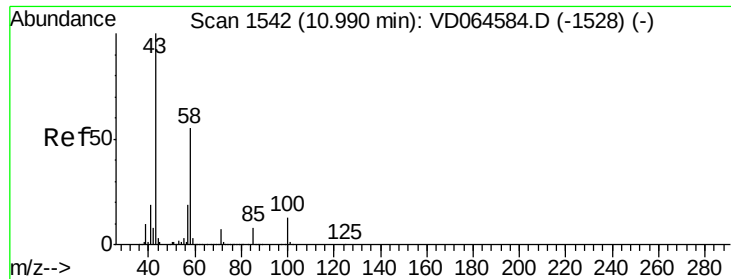
12/30/2019 11:03:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.305 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion: 63 Resp: 135312
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.8 35.8



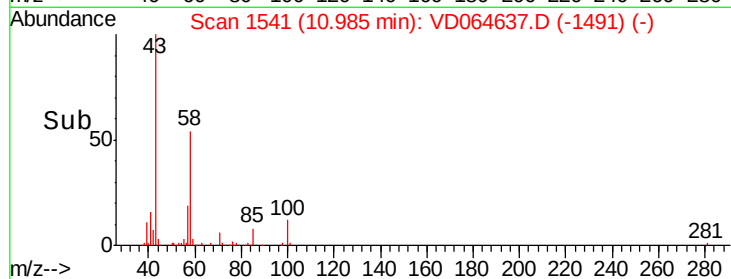
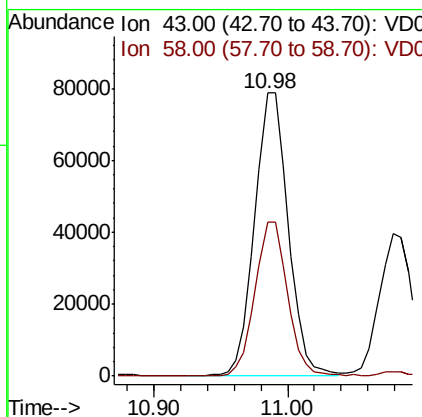
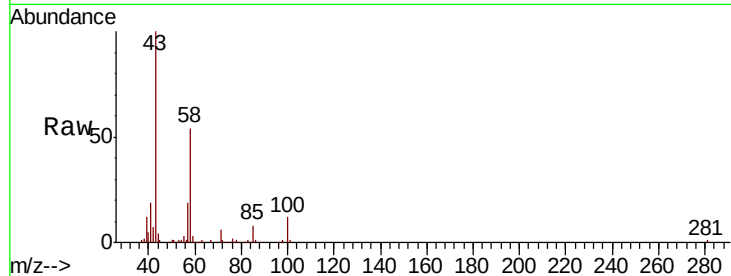


#59
2-Hexanone
Concen: 89.643 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

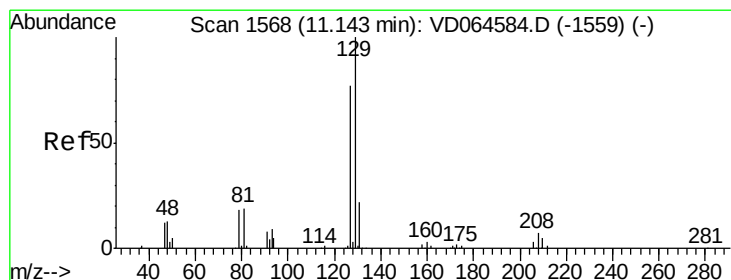
Tot Ion: 43 Resp: 137504
Ion Ratio Lower Upper
43 100
58 52.6 26.4 79.0

Manual Integrations
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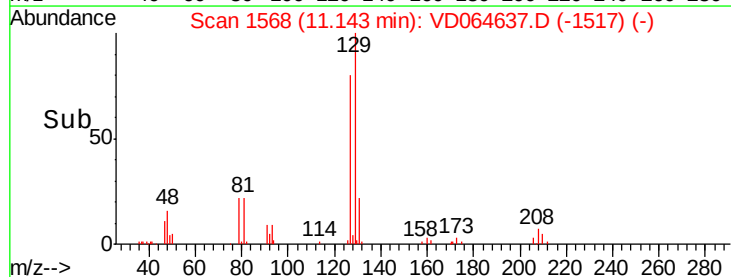
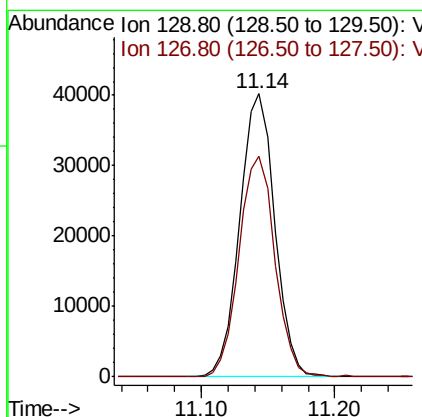
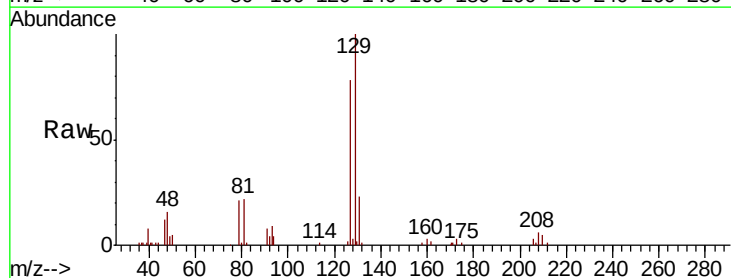
apatel

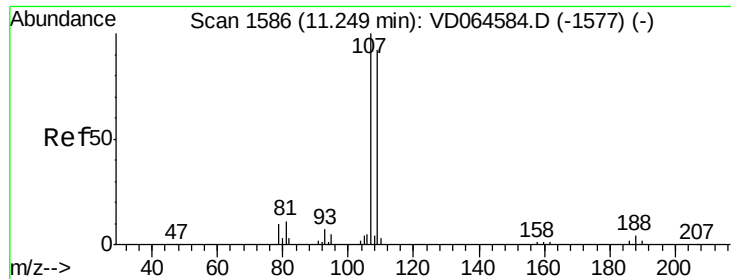
12/30/2019 11:03:07 AM



#60
Dibromochloromethane
Concen: 18.445 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion: 129 Resp: 73044
Ion Ratio Lower Upper
129 100
127 79.5 38.4 115.2



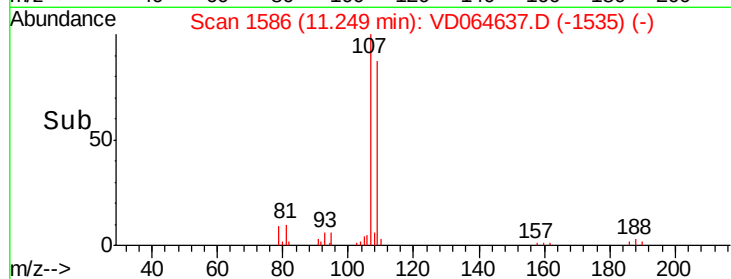
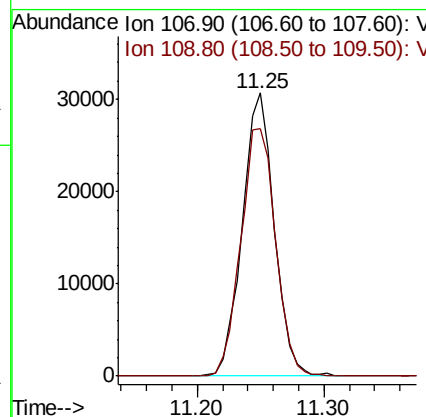
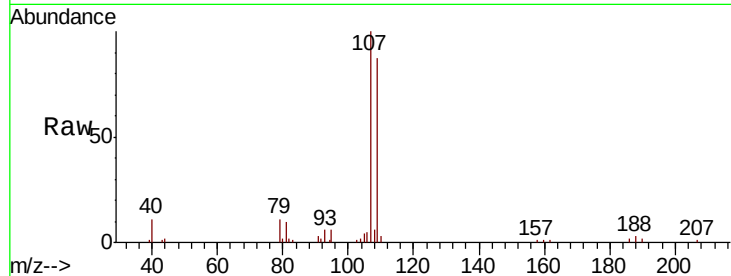


#61
 1,2-Dibromoethane
 Concen: 18.956 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

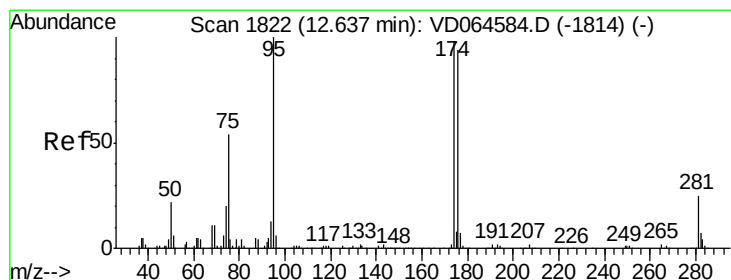
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.6	113.4

Manual Integrations
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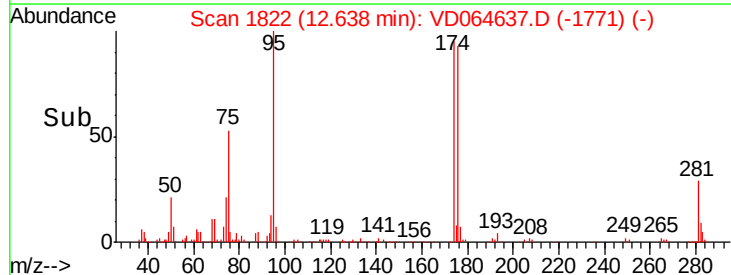
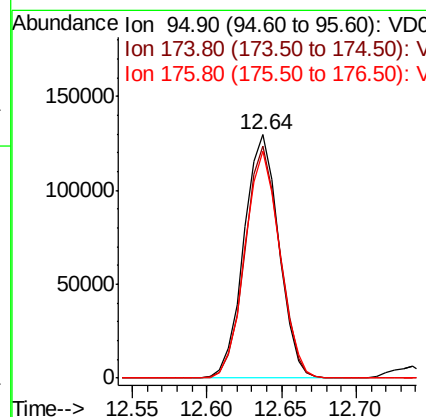
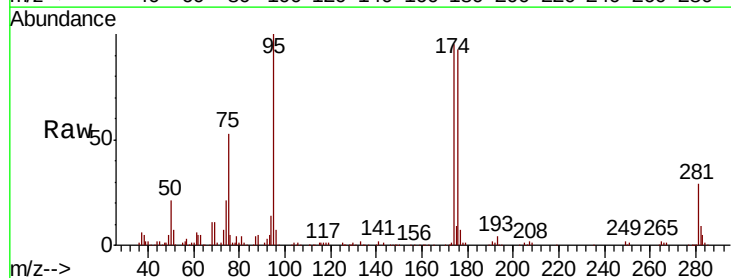
apatel

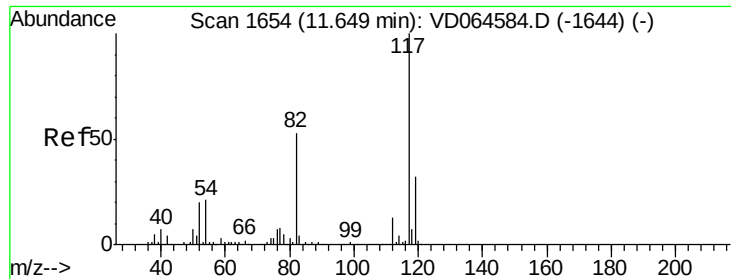
12/30/2019 11:03:07 AM



#62
 4-Bromofluorobenzene
 Concen: 46.744 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.9	0.0	193.2
176	93.0	0.0	184.2



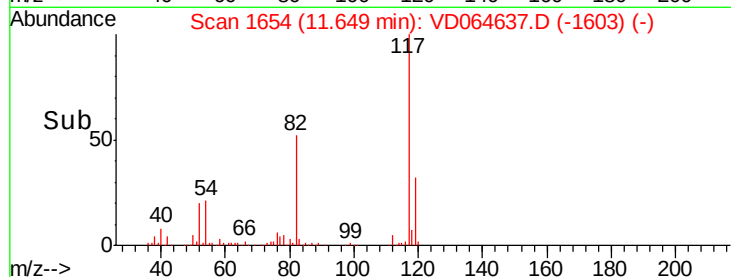
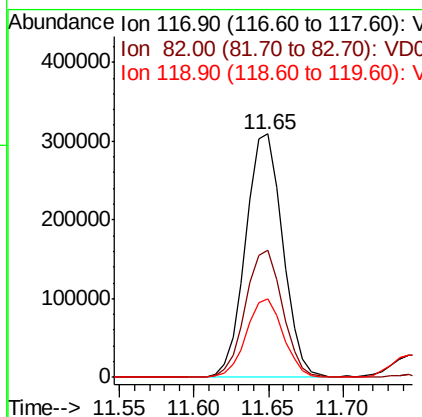
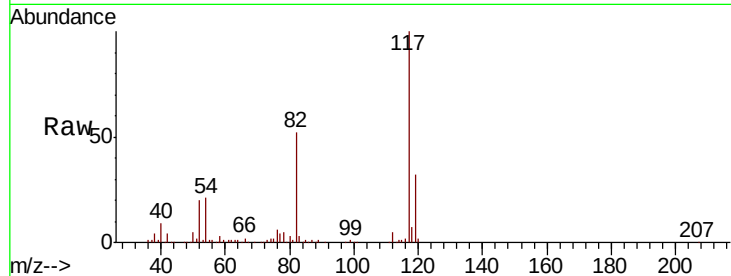


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

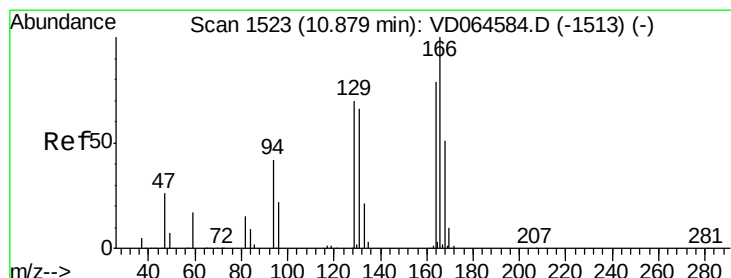
Tot Ion	Ratio	Resp	Lower	Upper
117	100	531377		
82	52.1		42.2	63.4
119	32.1		26.0	39.0

Manual Integrations
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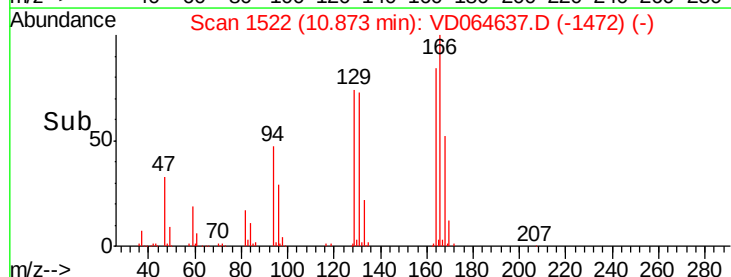
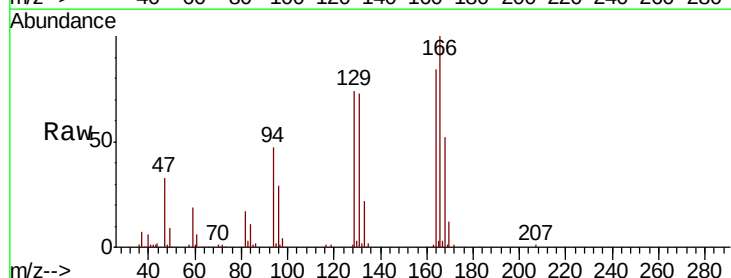
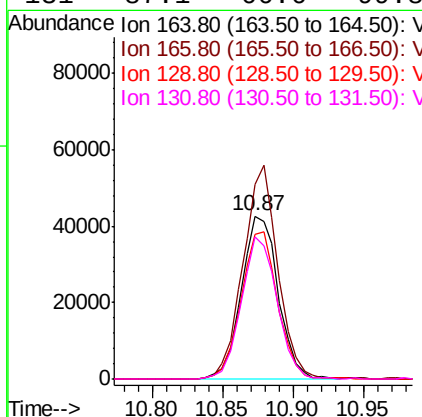
apatel

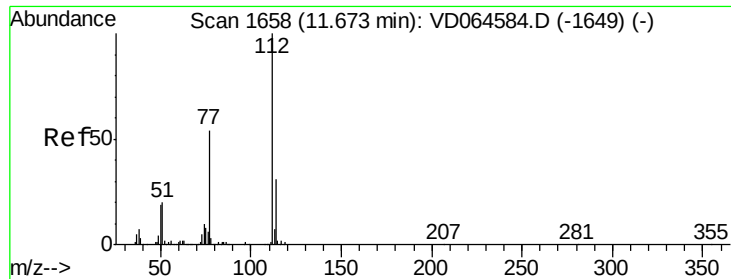
12/30/2019 11:03:07 AM



#64
Tetrachloroethene
Concen: 19.127 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77975		
166	119.4		101.3	151.9
129	88.7		70.5	105.7
131	87.1		66.6	99.8



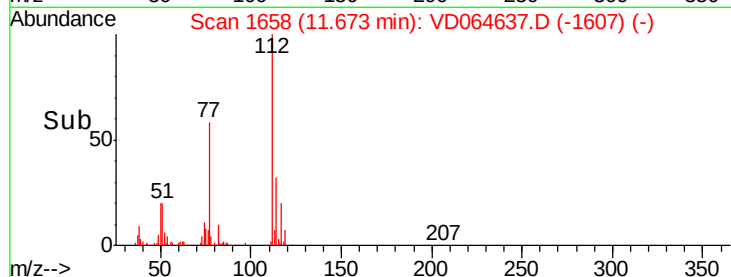
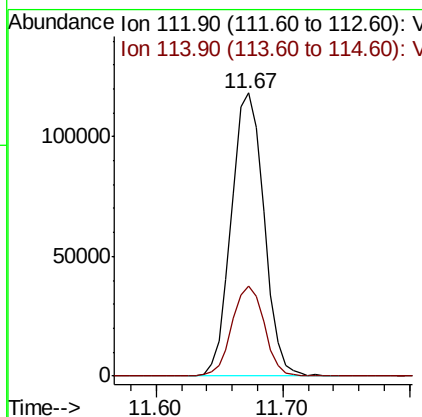
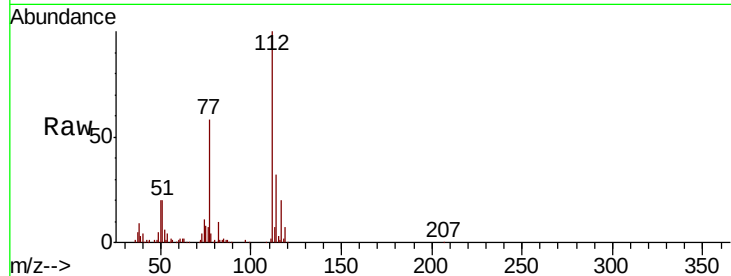


#65
Chlorobenzene
Concen: 19.089 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

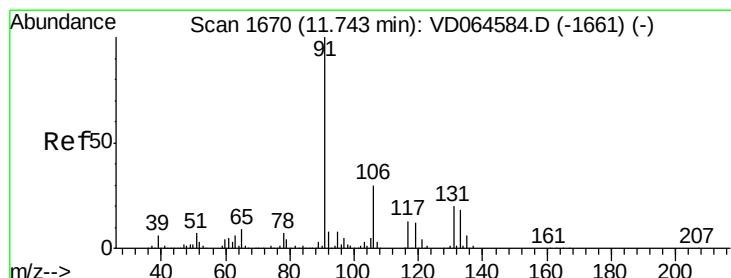
Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	24.8	37.2

Manual Integrations
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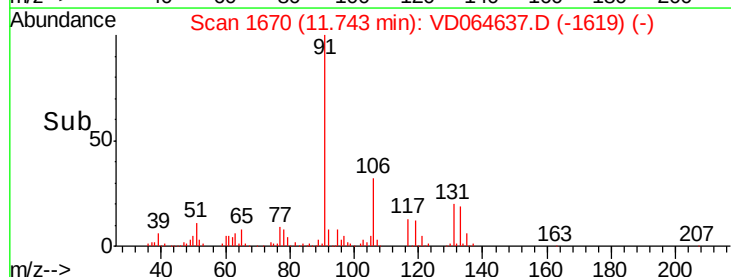
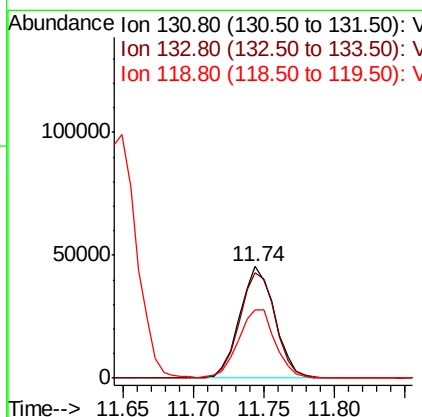
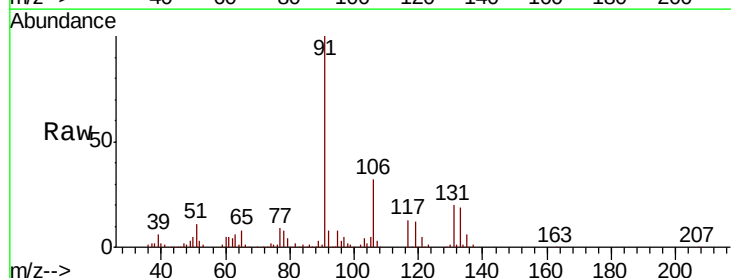
apatel

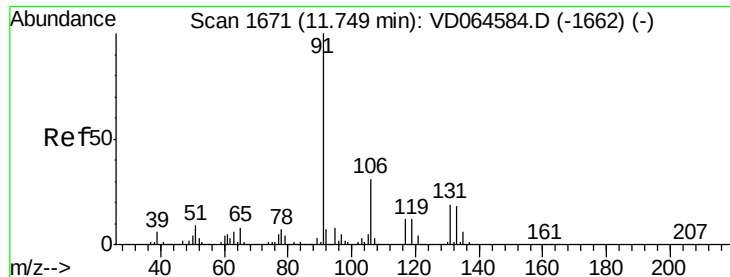
12/30/2019 11:03:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.029 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.3	144.8
119	64.7	32.1	96.3





#67

Ethyl Benzene

Concen: 18.887 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

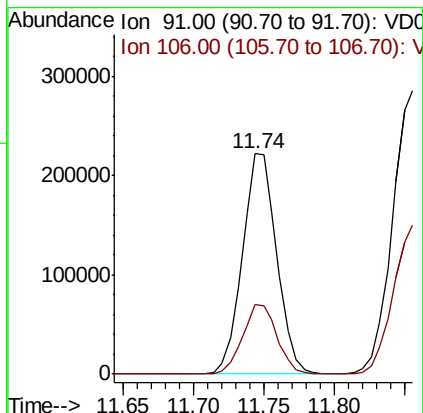
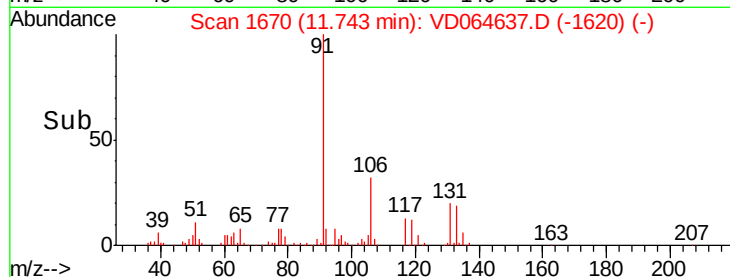
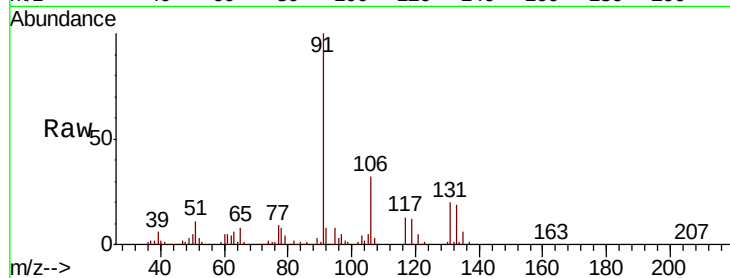
Tot Ion: 91 Resp: 378073

Ion Ratio Lower Upper

91 100

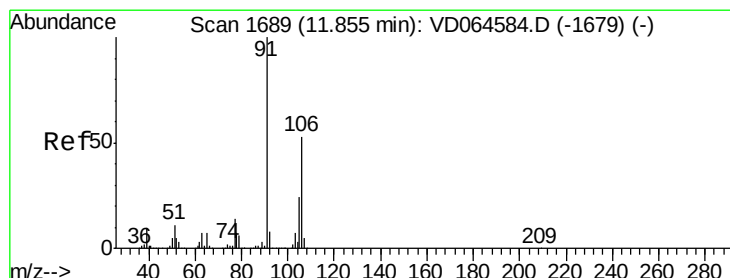
106 31.5 24.6 36.8

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#68

m/p-Xylenes

Concen: 37.391 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064637.D

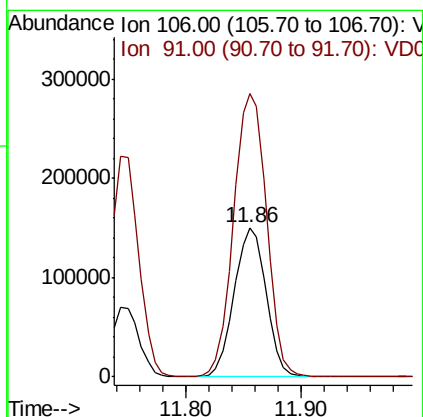
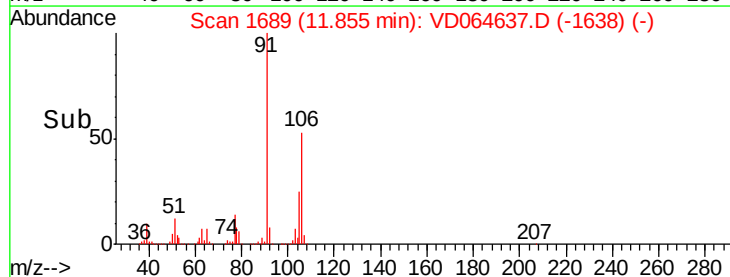
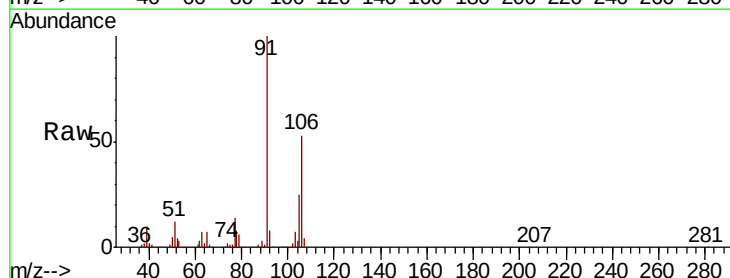
Acq: 27 Dec 2019 11:33

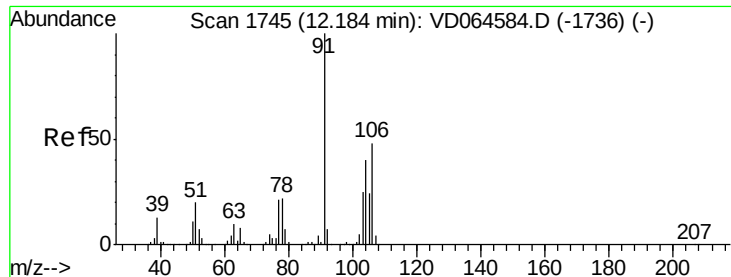
Tgt Ion: 106 Resp: 288898

Ion Ratio Lower Upper

106 100

91 195.0 156.3 234.5



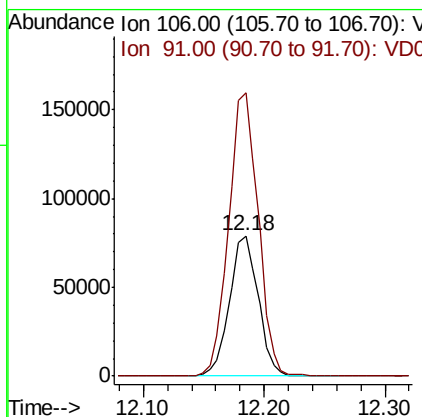
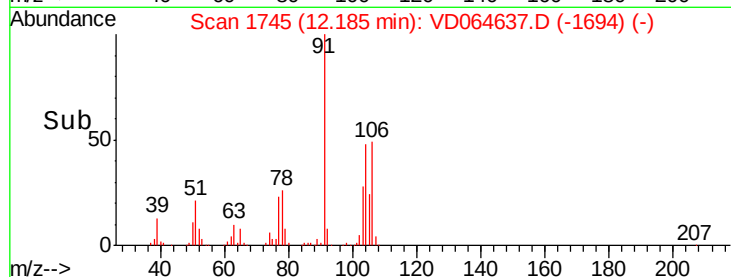
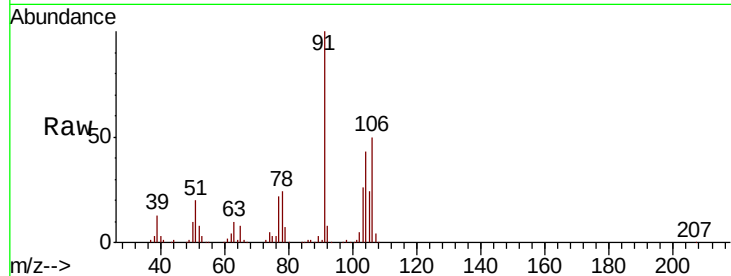


#69
o-Xylene
Concen: 18.758 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

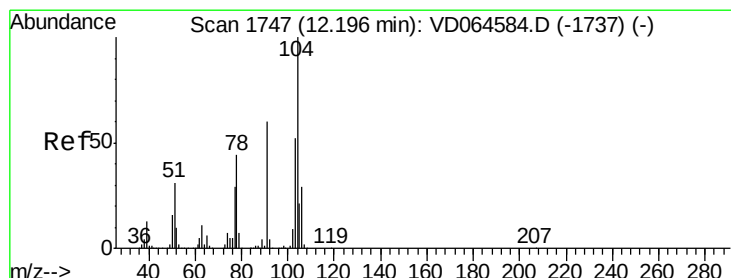
Tot Ion	Ratio	Lower	Upper
106	100		
91	207.6	104.8	314.4

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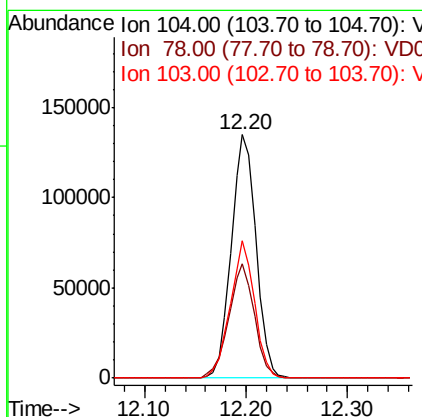
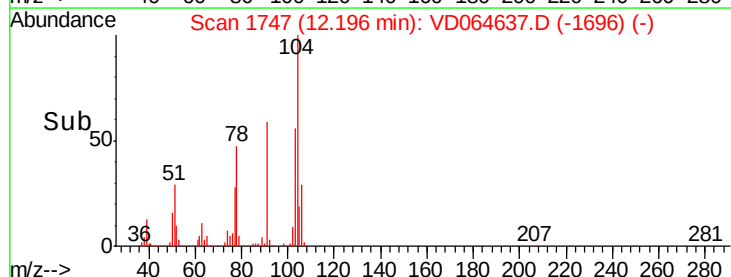
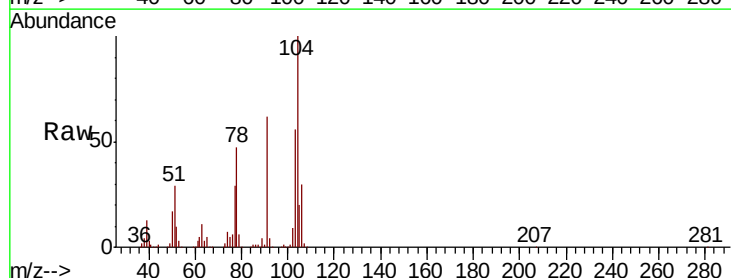
apatel

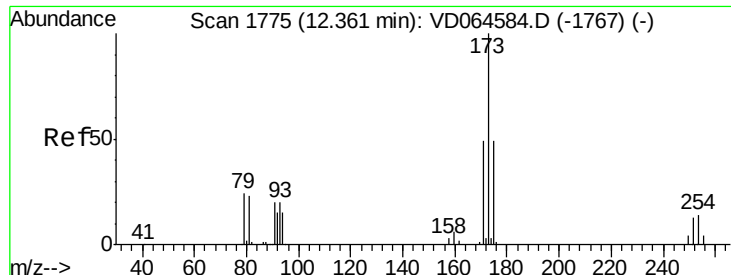
12/30/2019 11:03:07 AM



#70
Styrene
Concen: 18.613 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.2	57.2
103	55.5	44.6	67.0



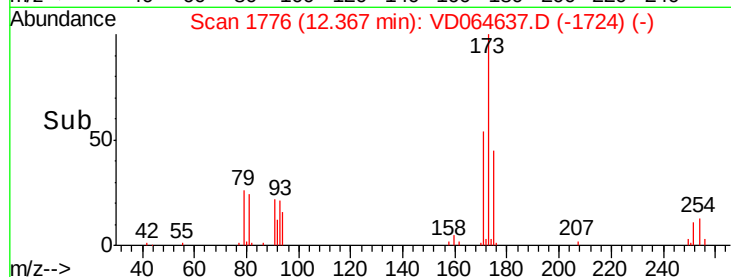
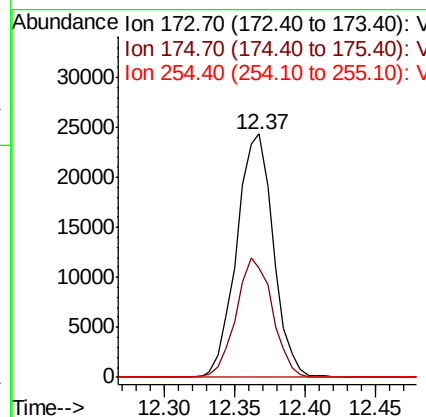
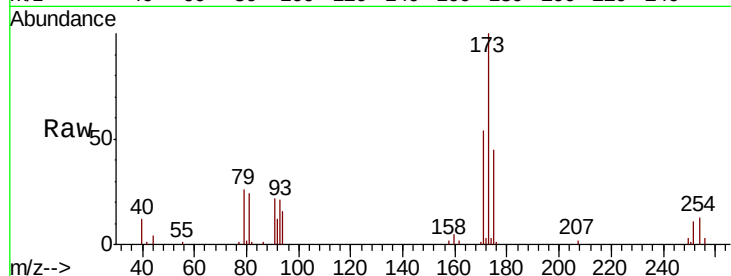


#71
Bromoform
Concen: 18.647 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

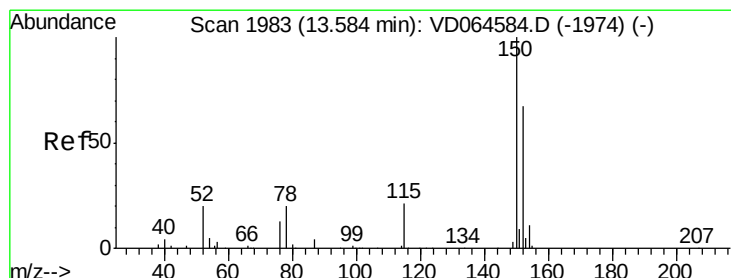
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.8
254	0.0	0.1	0.1#

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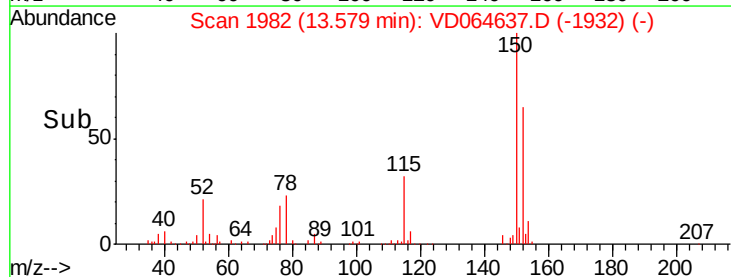
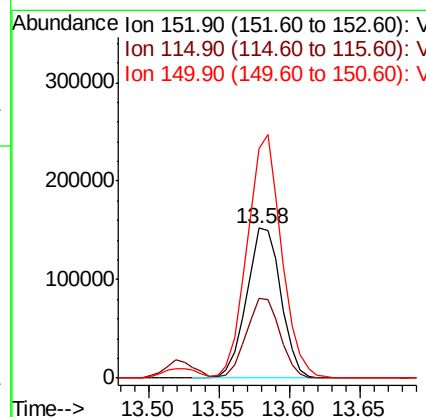
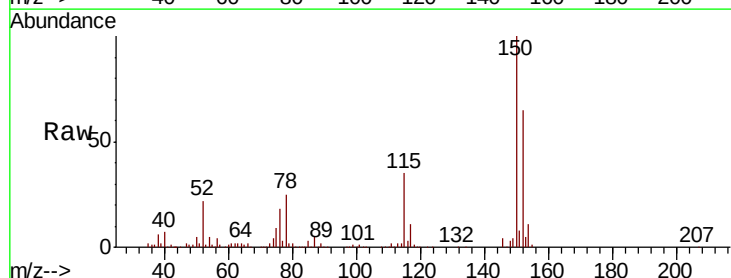
apatel

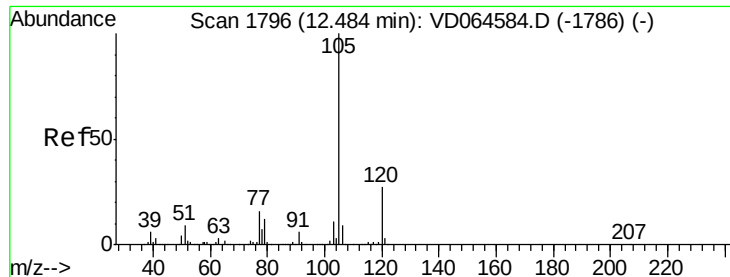
12/30/2019 11:03:07 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.6	27.8	83.4
150	162.0	0.0	351.4





#73

Isopropylbenzene

Concen: 19.332 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

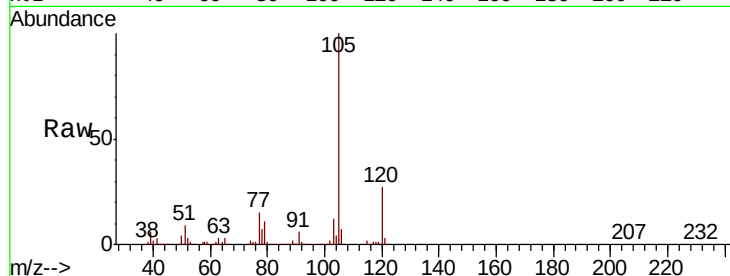
Tot Ion: 105 Resp: 359676

Ion Ratio Lower Upper

105 100

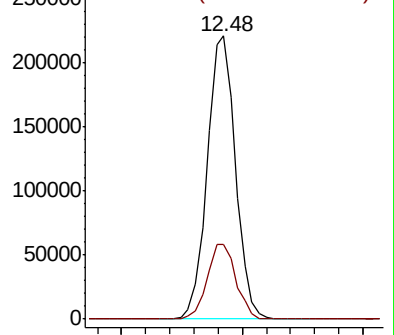
120 27.2 13.5 40.5

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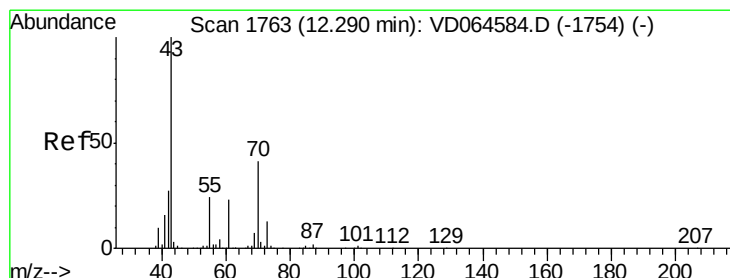
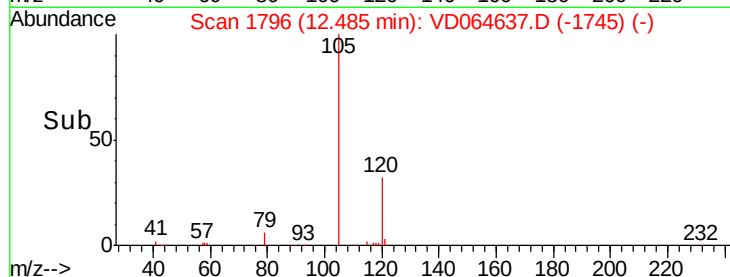
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#74

N-ethyl acetate

Concen: 18.453 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Tgt Ion: 43 Resp: 73391

Ion Ratio Lower Upper

43 100

70 42.8 33.4 50.0

55 24.2 19.4 29.0

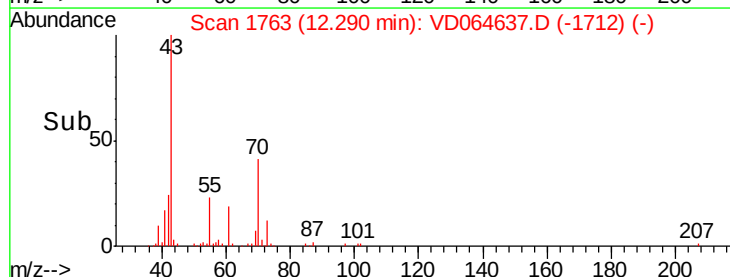
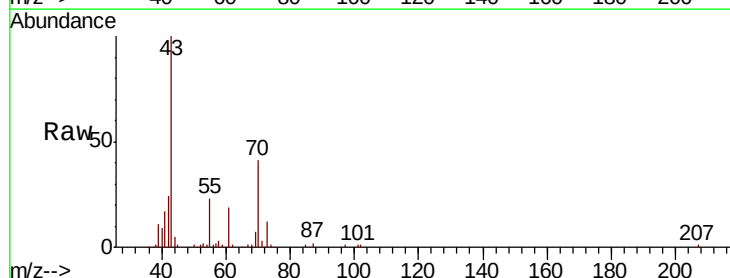
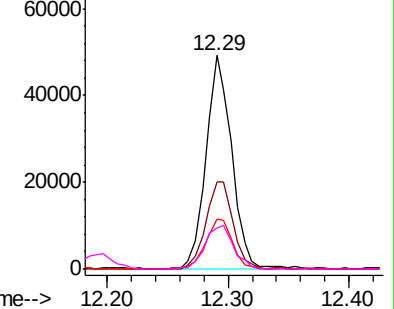
61 22.5 18.3 27.5

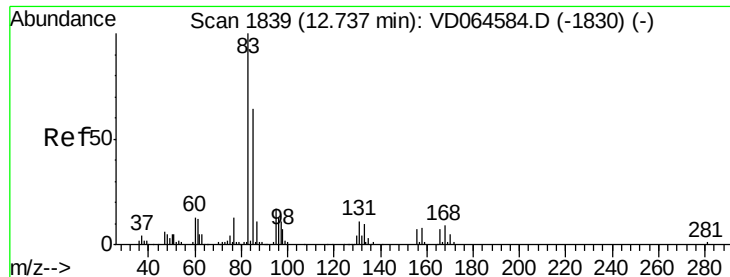
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.326 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

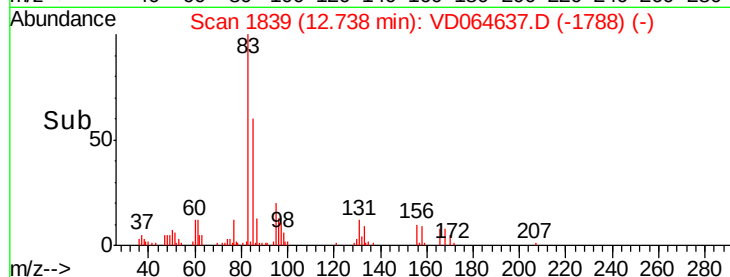
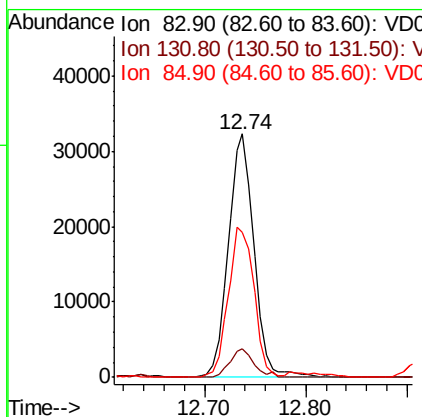
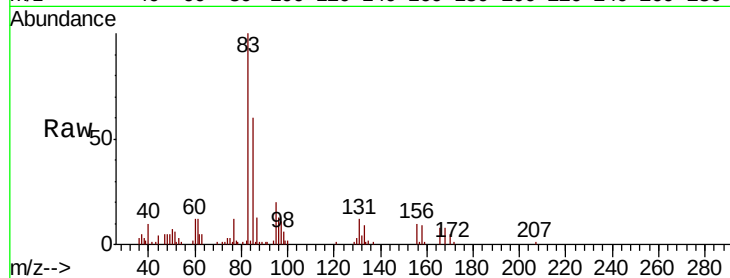
MSVOA_D

ClientSampleId :

VD1227SBS01

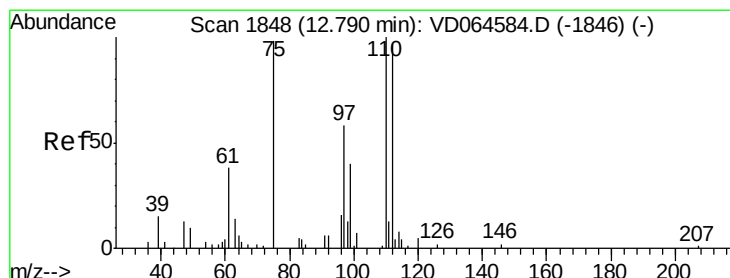
Tot Ion:	83	Resp:	56484
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.8	17.4
85	62.0	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.545 ug/l m

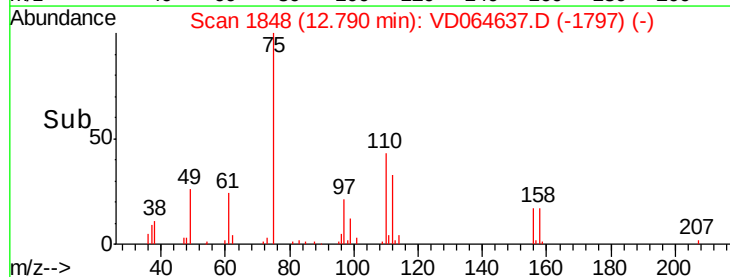
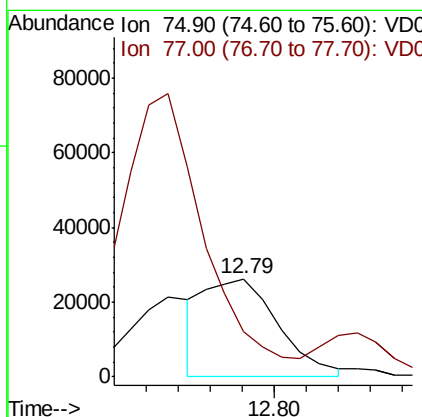
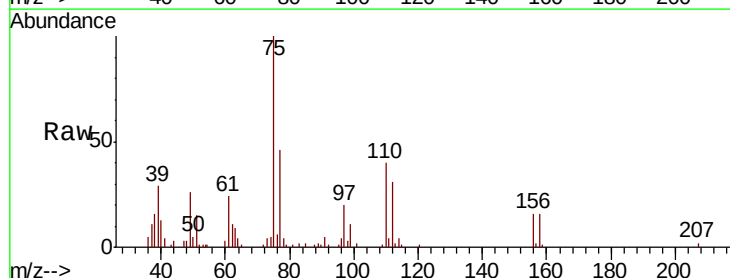
RT: 12.79 min Scan# 1848

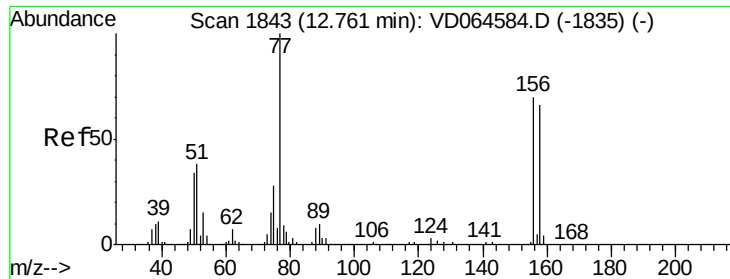
Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Tgt Ion:	75	Resp:	42238
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



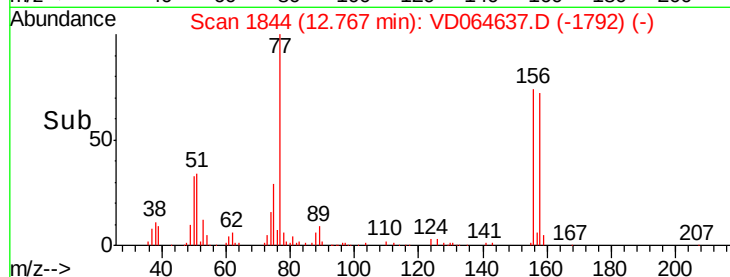
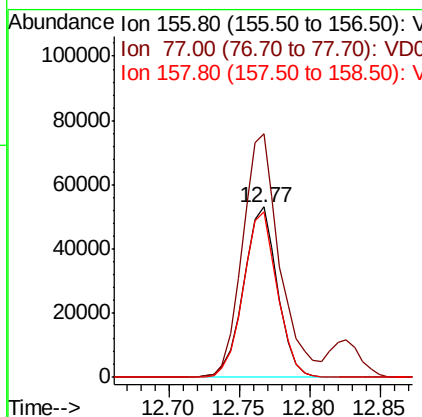
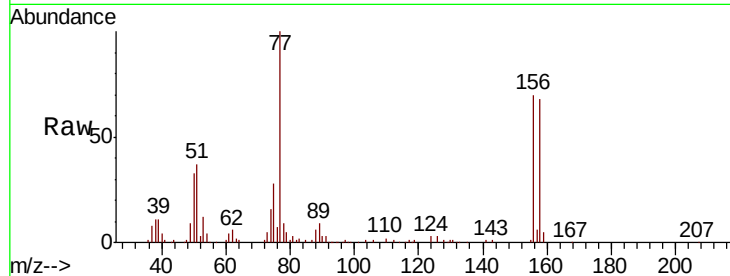


#77
Bromobenzene
Concen: 19.416 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

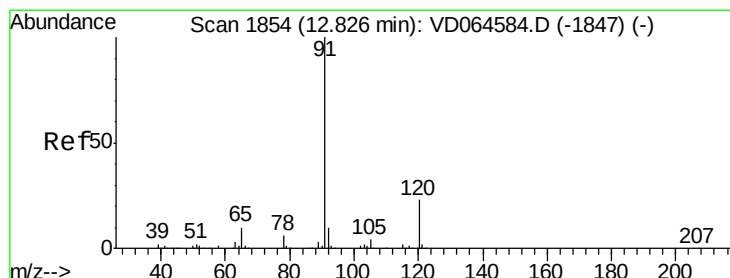
Tot Ion	Ratio	Lower	Upper
156	100		
77	158.0	80.9	242.7
158	97.3	48.0	144.2

Manual Integrations
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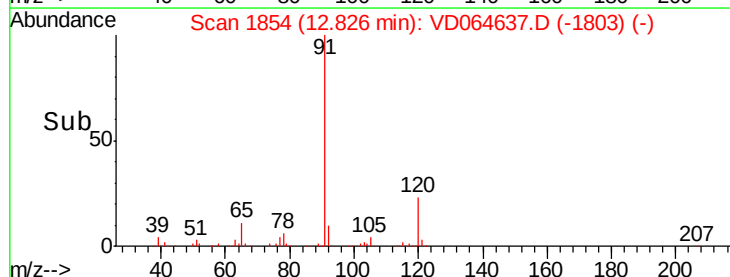
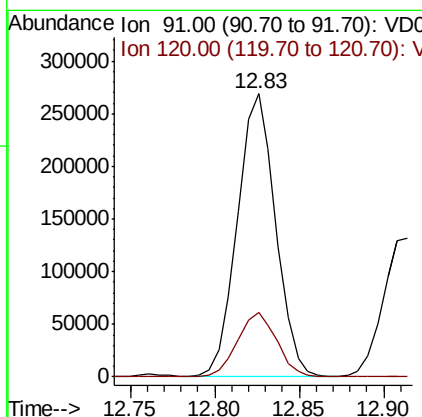
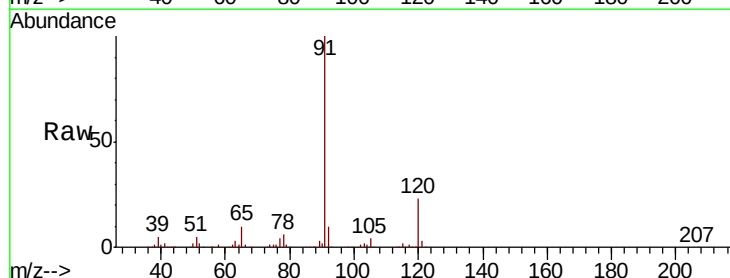
apatel

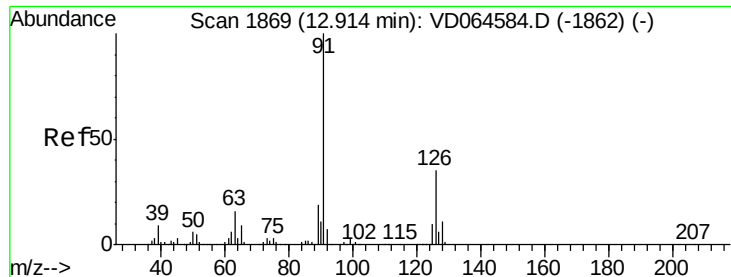
12/30/2019 11:03:07 AM



#78
n-propylbenzene
Concen: 19.458 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.9



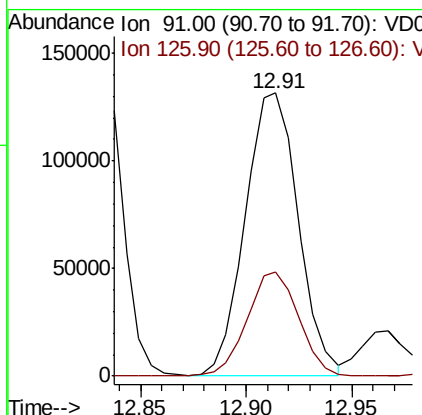
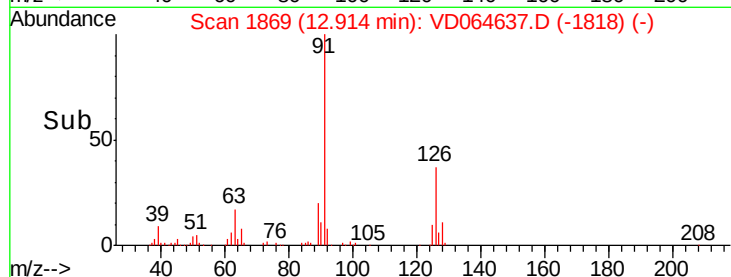
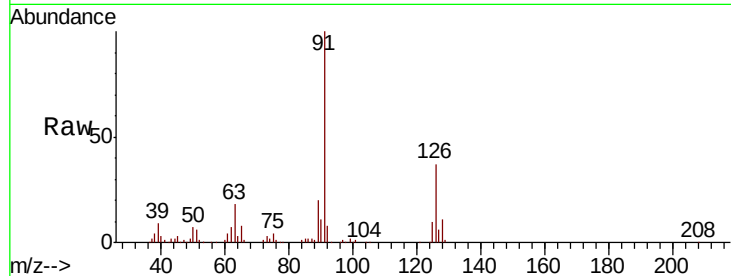


#79
2-Chlorotoluene
Concen: 19.193 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

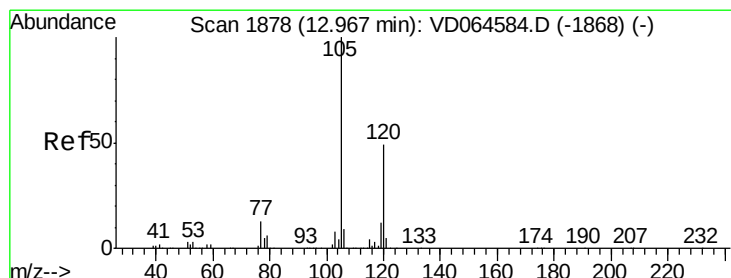
Tot Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.5

Manual Integrations
APPROVED



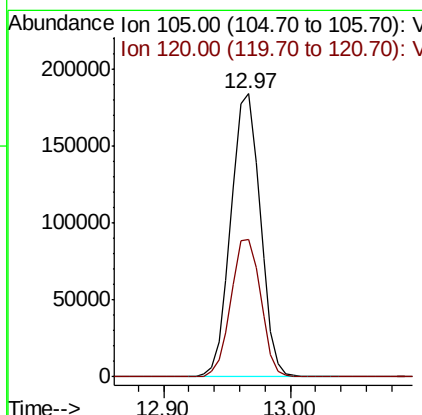
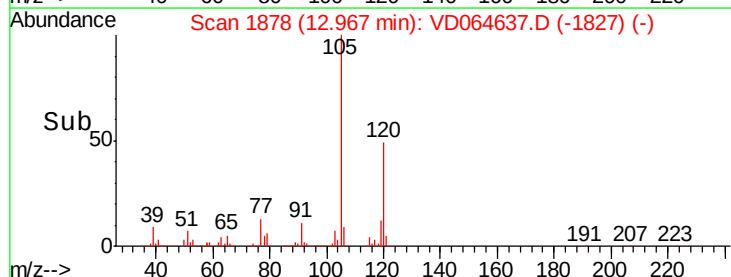
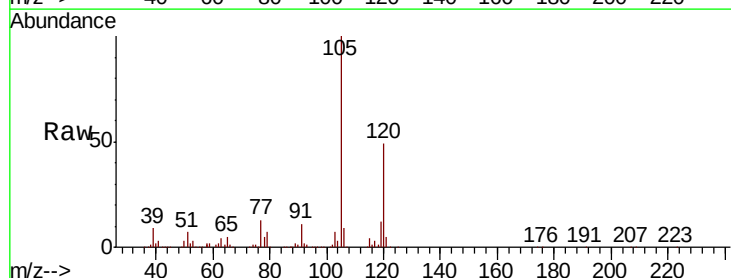
apatel

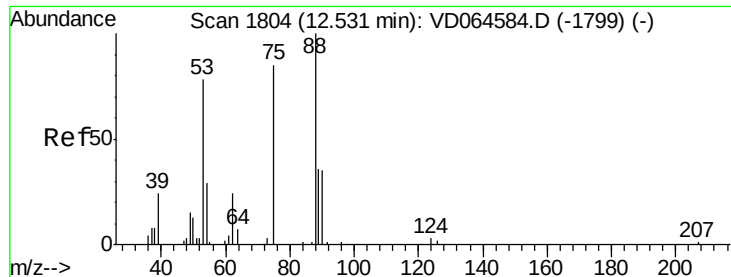
12/30/2019 11:03:07 AM



#80
1,3,5-Trimethylbenzene
Concen: 19.348 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.4	25.0	75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.443 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

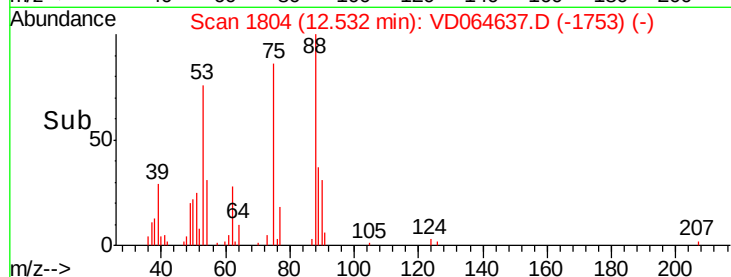
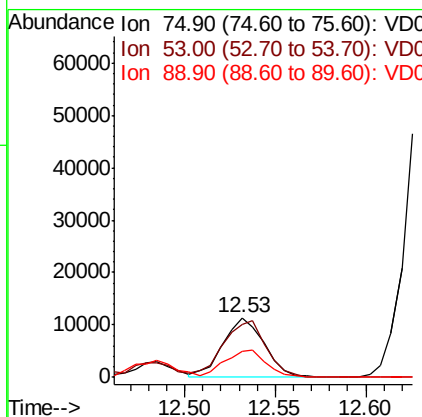
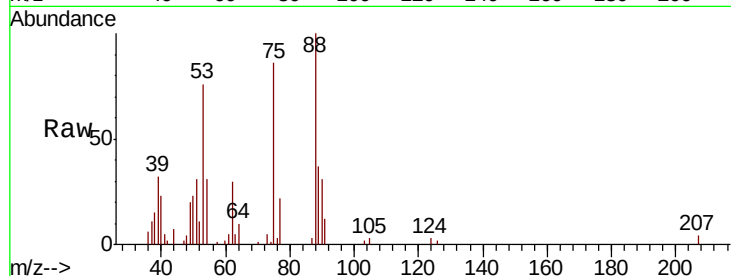
MSVOA_D

ClientSampleId :

VD1227SBS01

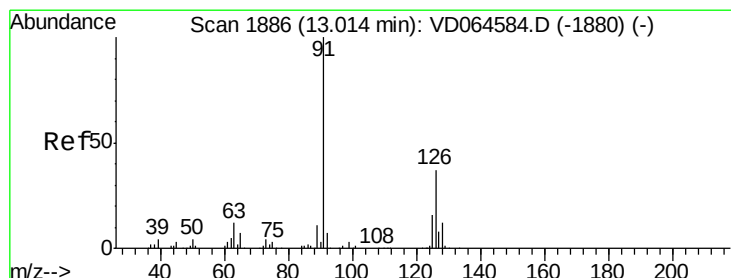
Tot Ion:	75	Resp:	18130
Ion Ratio	Lower	Upper	
75	100		
53	98.5	78.8	118.2
89	44.7	38.3	57.5

Manual Integrations
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12/30/2019 11:03:07 AM



#82

4-Chlorotoluene

Concen: 19.147 ug/l

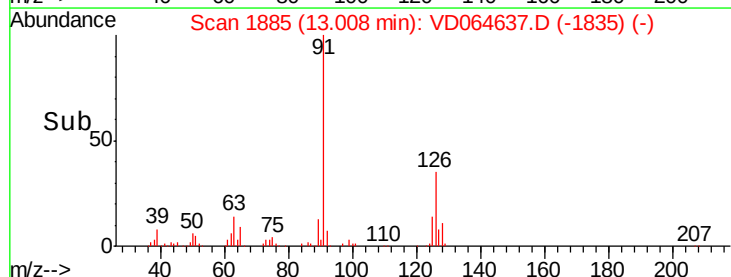
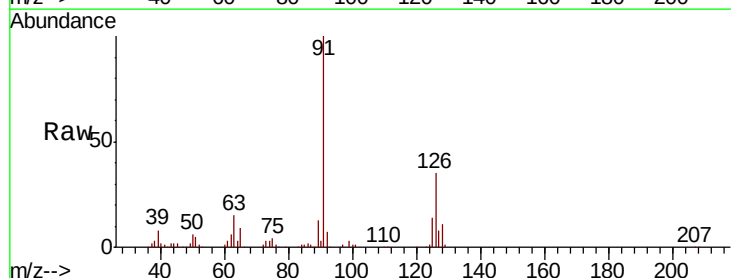
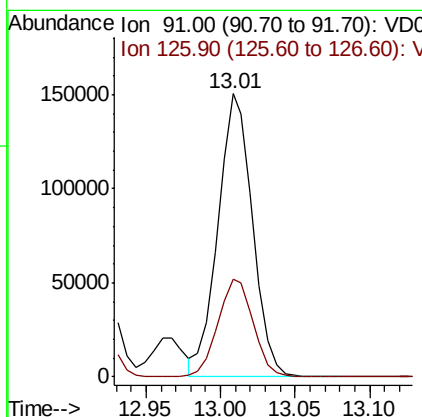
RT: 13.01 min Scan# 1885

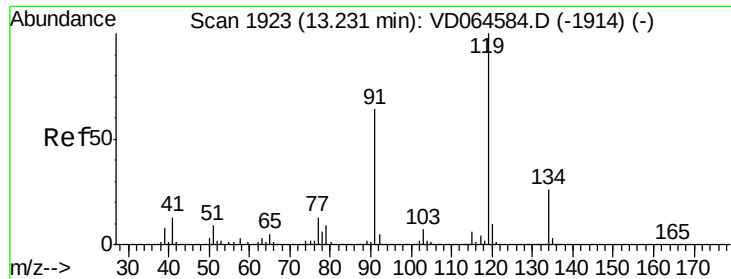
Delta R.T. -0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Tgt Ion:	91	Resp:	242956
Ion Ratio	Lower	Upper	
91	100		
126	35.4	17.8	53.5



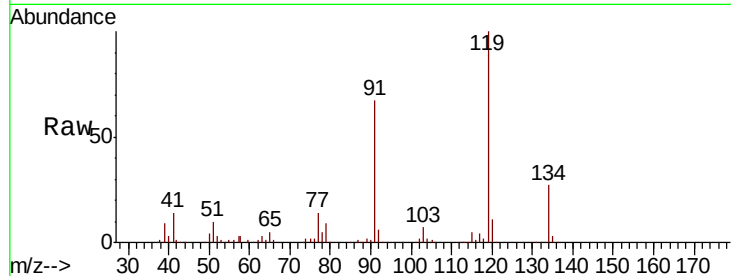


#83
tert-Butylbenzene
Concen: 18.994 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

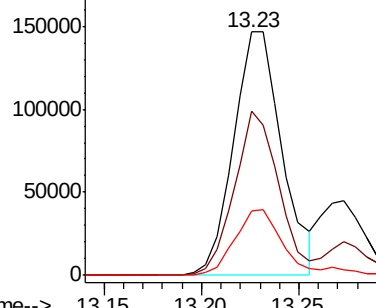
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.8	92.4
134	28.0	12.8	38.3

Manual Integrations
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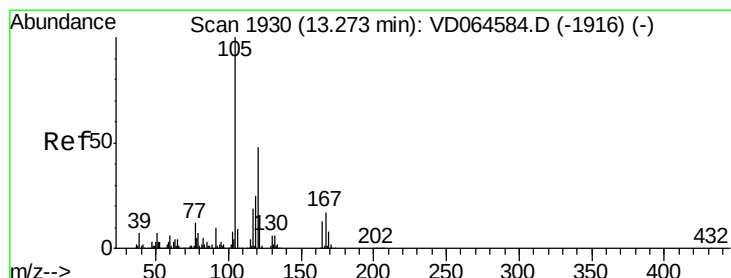
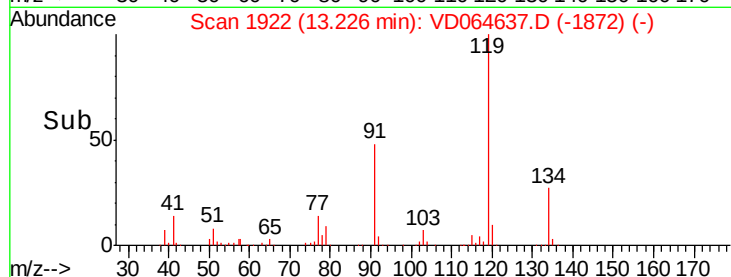


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



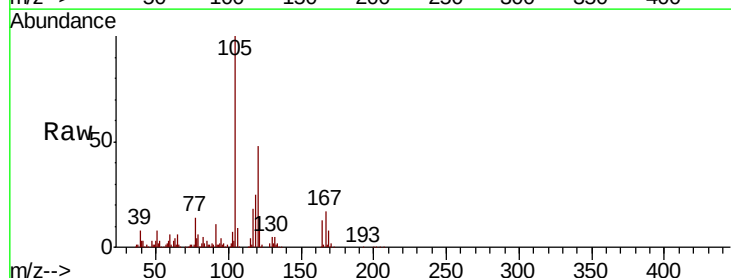
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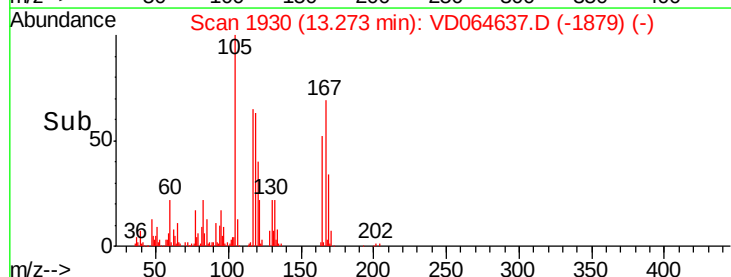
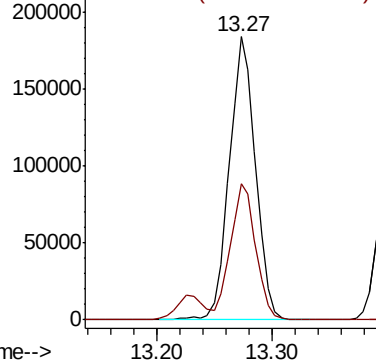


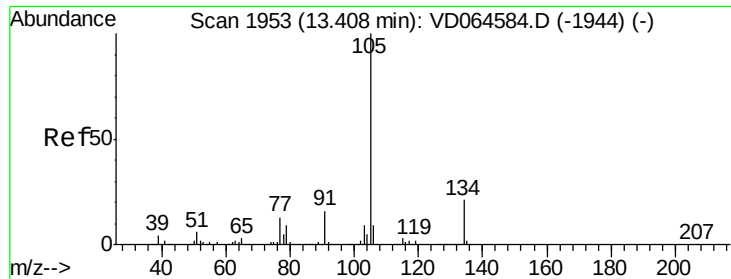
#84
1,2,4-Trimethylbenzene
Concen: 19.101 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.8	71.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.345 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

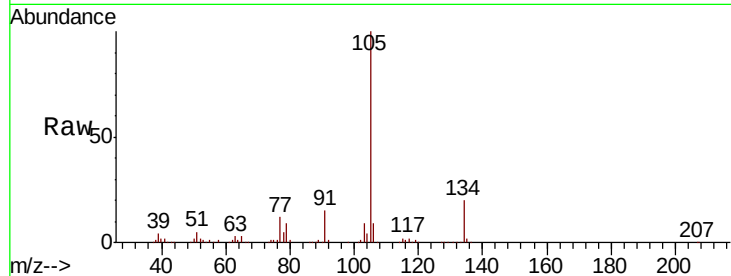
Tot Ion:105 Resp: 351938

Ion Ratio Lower Upper

105 100

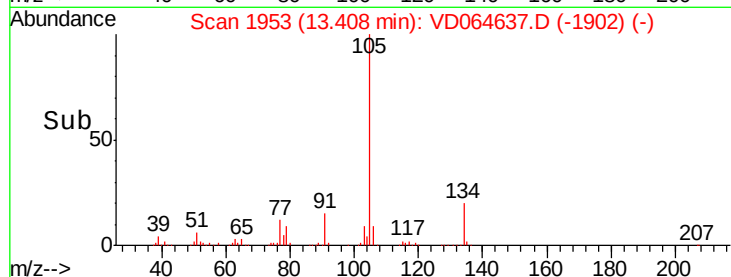
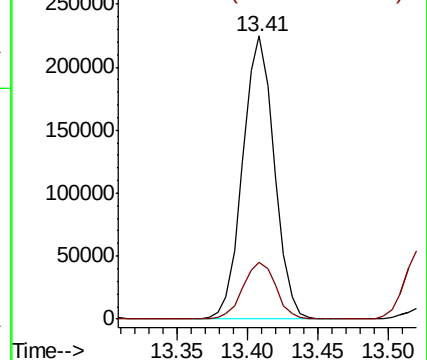
134 20.8 10.6 31.8

Manual Integrations
APPROVED



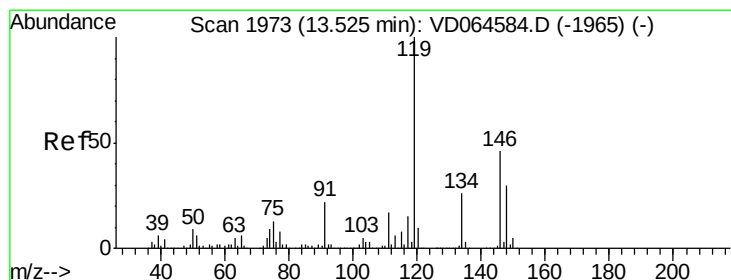
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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12/30/2019 11:03:07 AM



#86

p-Isopropyltoluene

Concen: 18.771 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

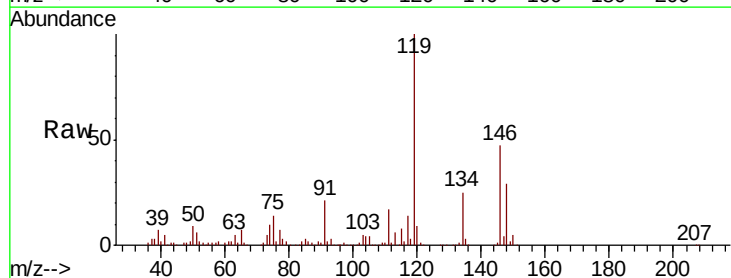
Tgt Ion:119 Resp: 326536

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

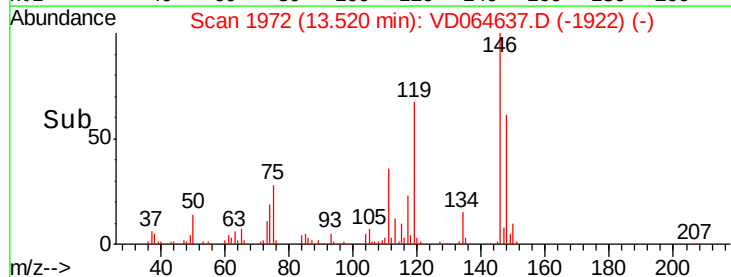
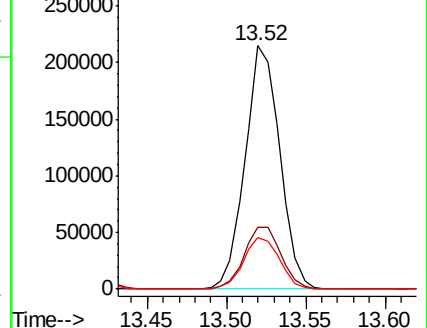
91 21.7 11.2 33.6

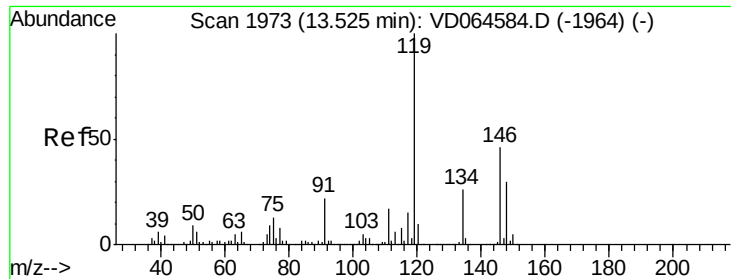


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



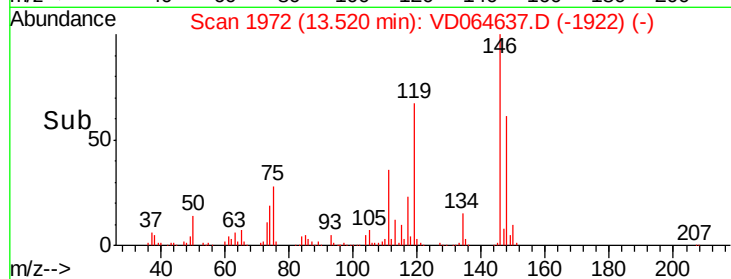
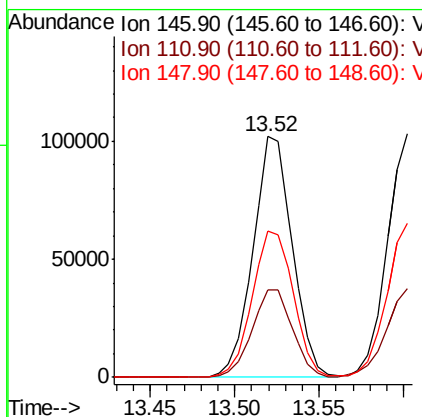
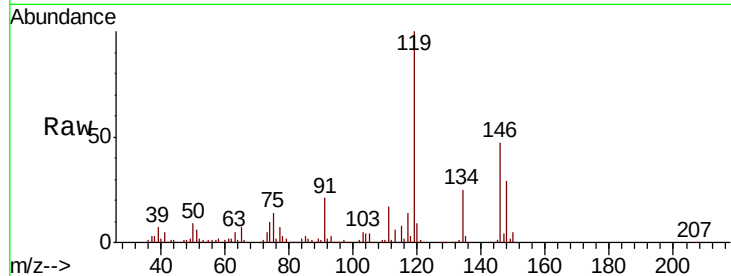


#87
 1,3-Dichlorobenzene
 Concen: 18.929 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

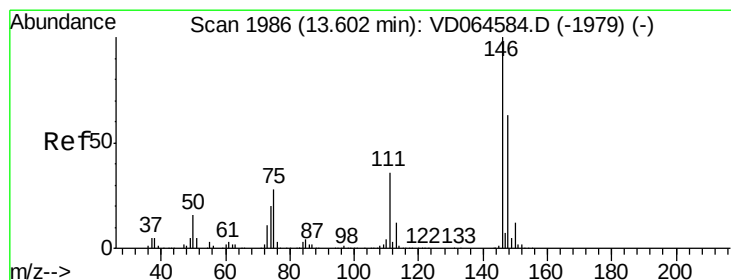
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.4
148	63.6	32.5	97.5

Manual Integrations
 APPROVED



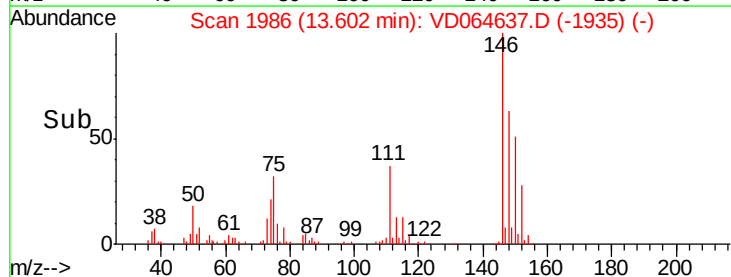
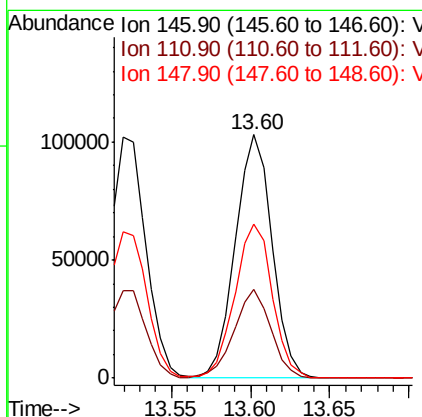
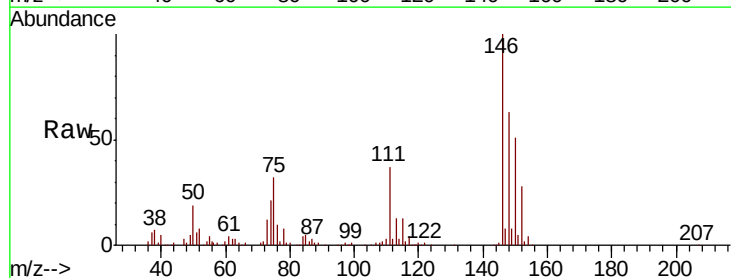
apatel

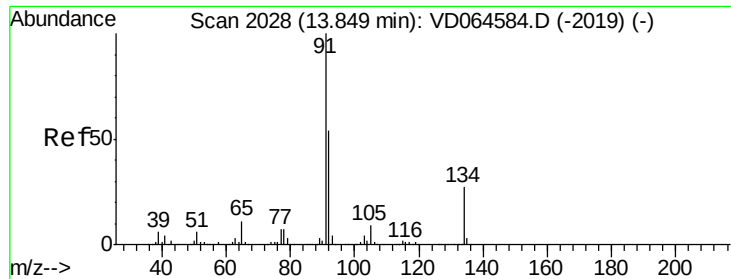
12/30/2019 11:03:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.420 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	64.3	32.3	96.9



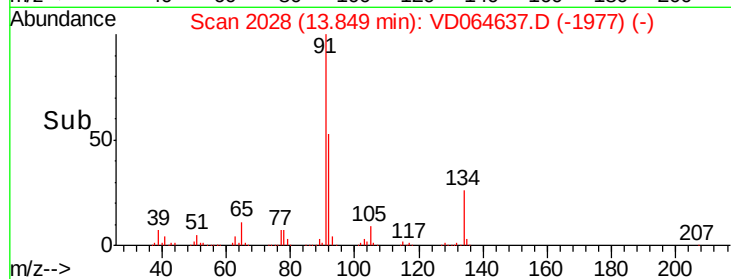
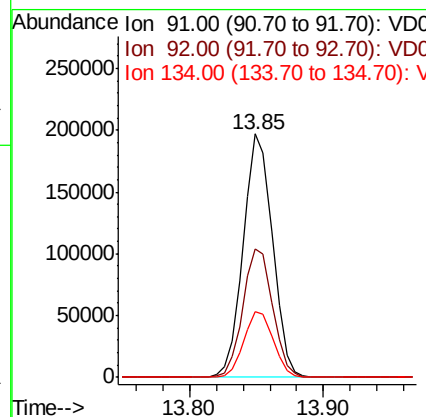
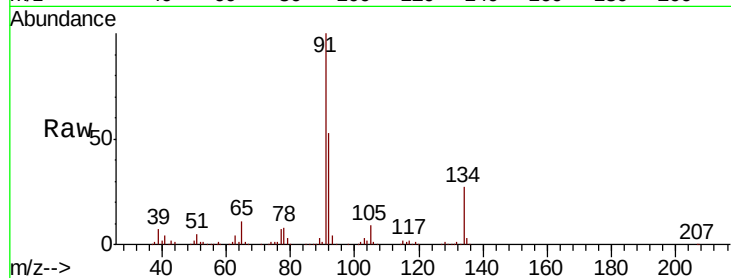


#89
n-Butylbenzene
Concen: 19.054 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

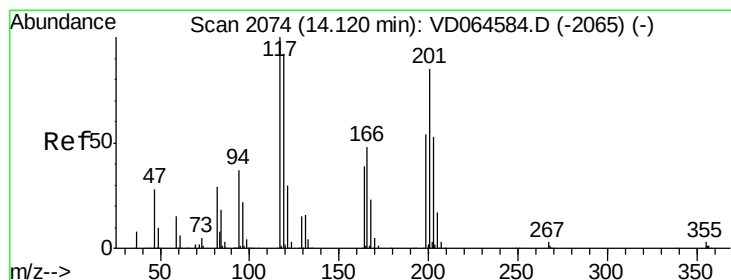
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.4
134	27.2	14.0	41.9

Manual Integrations
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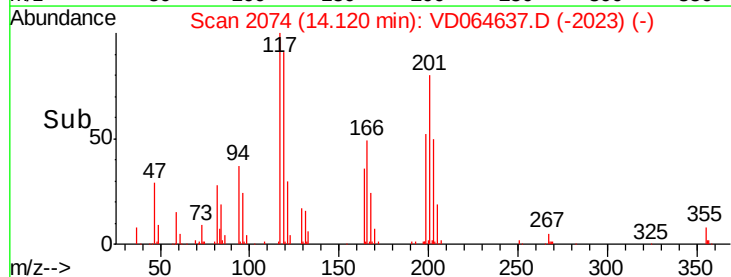
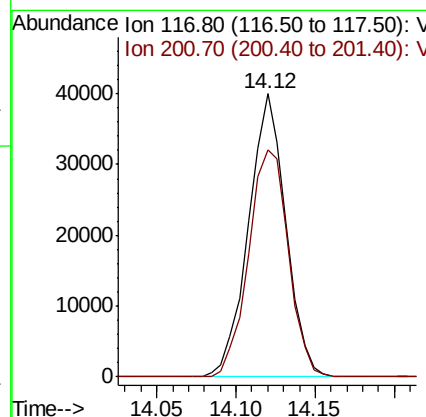
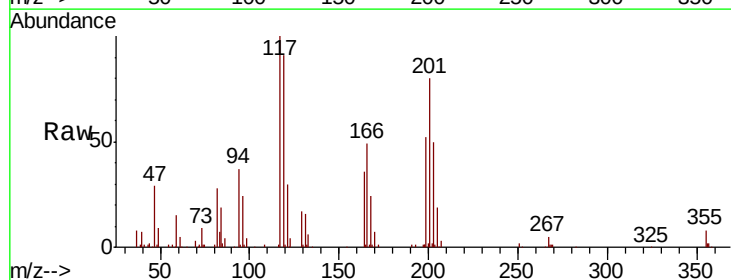
apatel

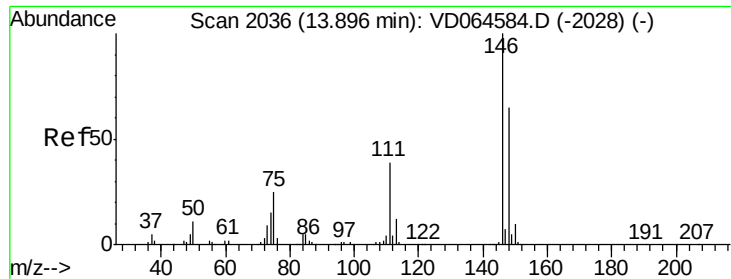
12/30/2019 11:03:07 AM



#90
Hexachloroethane
Concen: 19.698 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	44.0	131.8



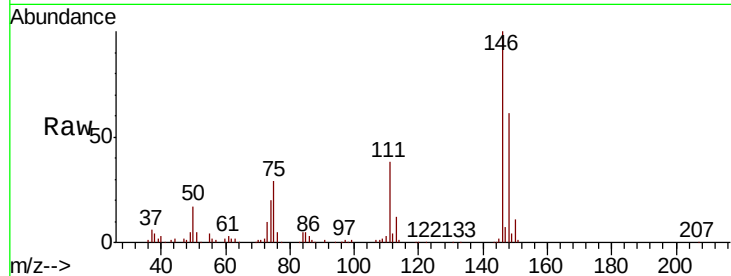


#91
 1,2-Dichlorobenzene
 Concen: 18.993 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

Tot Ion:	146	Resp:	141141
Ion Ratio	Lower	Upper	
146	100		
111	37.3	19.3	57.9
148	62.9	31.9	95.5

Manual Integrations
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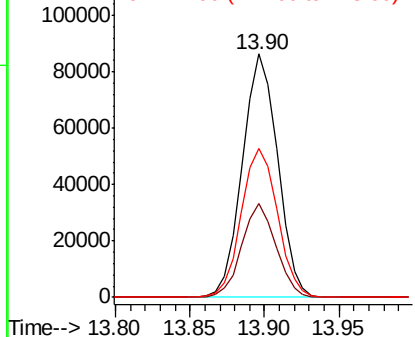


Abundance

Ion 145.90 (145.60 to 146.60): V

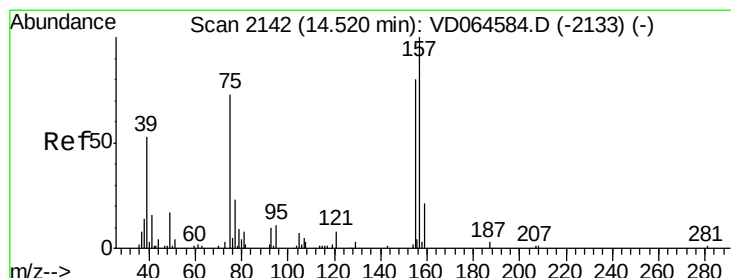
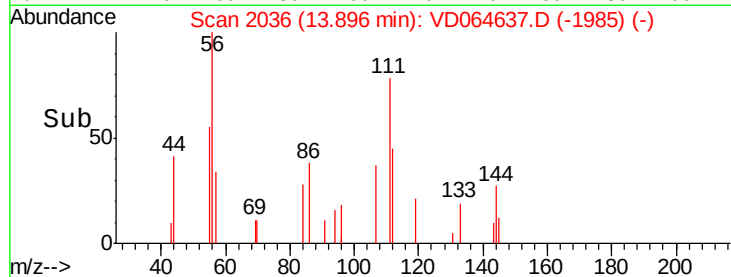
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



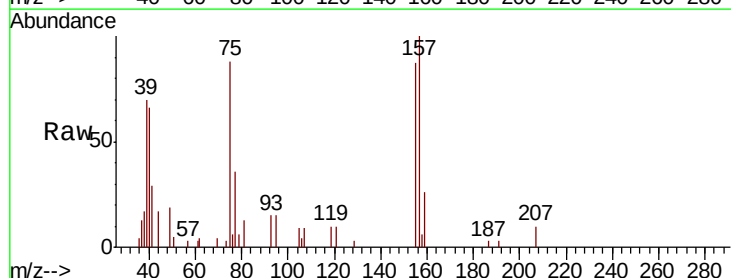
apatel

12/30/2019 11:03:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.904 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion:	75	Resp:	8483
Ion Ratio	Lower	Upper	
75	100		
155	94.8	48.0	144.0
157	120.5	64.1	192.3

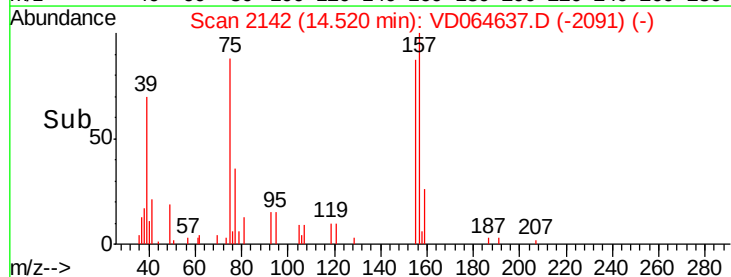
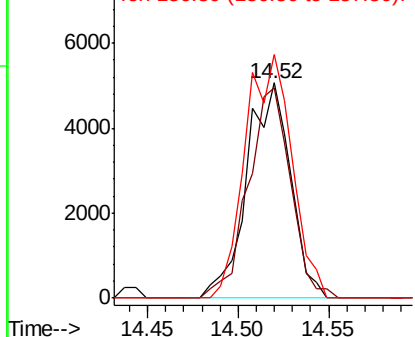


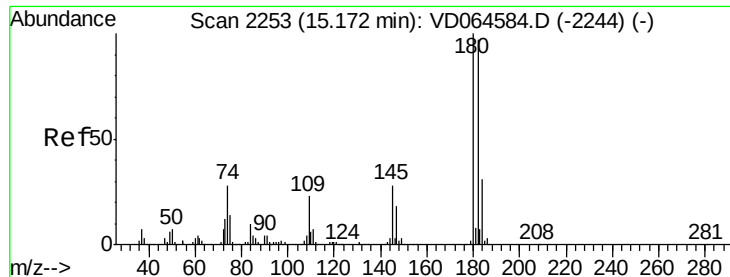
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



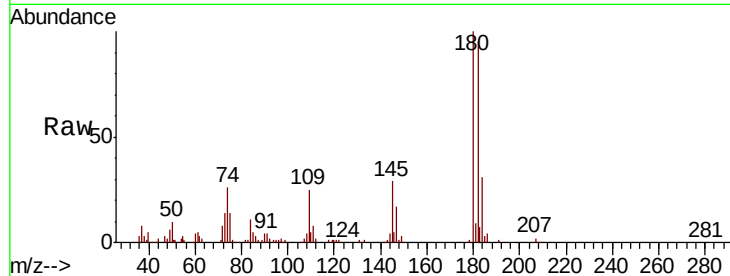


#93
 1,2,4-Trichlorobenzene
 Concen: 18.458 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Tot Ion:	180	Resp:	100999
Ion Ratio	Lower	Upper	
180	100		
182	93.1	48.0	144.2
145	29.6	13.8	41.4

Manual Integrations
 APPROVED

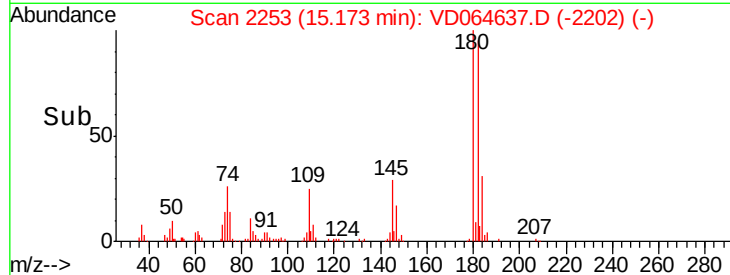
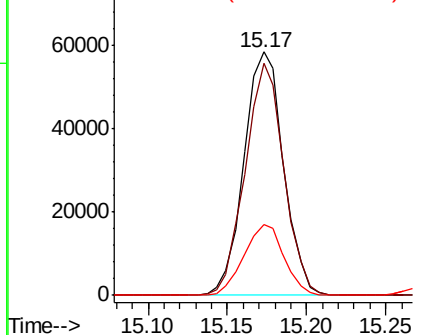


Abundance

Ion 179.80 (179.50 to 180.50): V

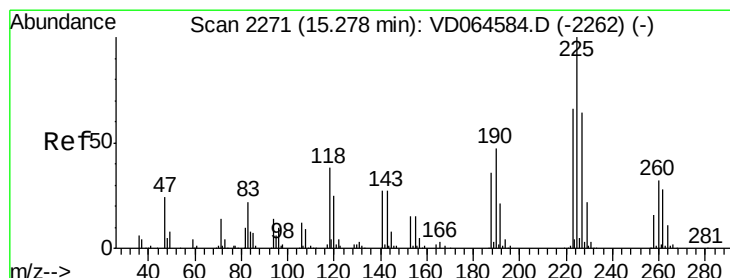
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



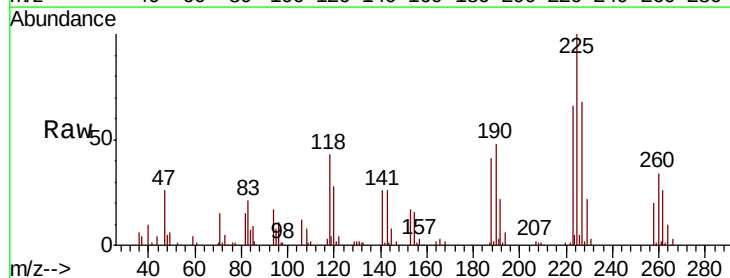
apatel

12/30/2019 11:03:07 AM



#94
 Hexachlorobutadiene
 Concen: 18.782 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion:	225	Resp:	64672
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.1	93.2
227	63.4	30.9	92.7

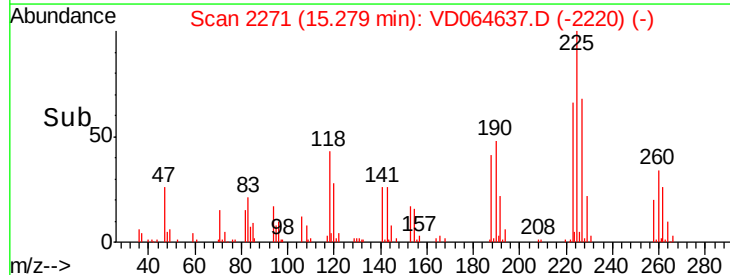
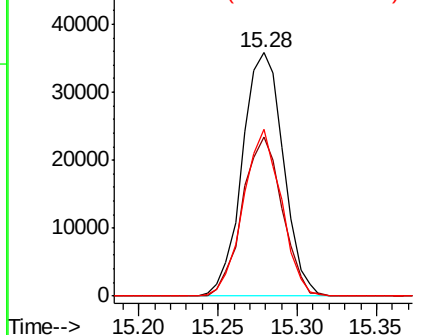


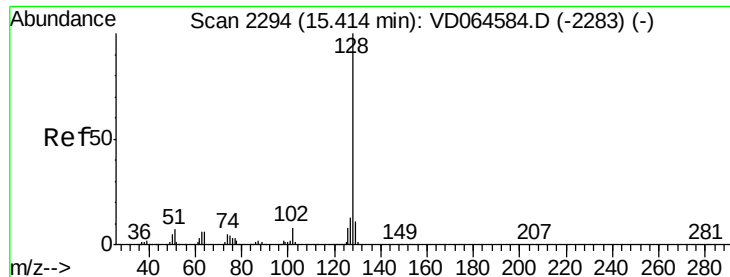
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



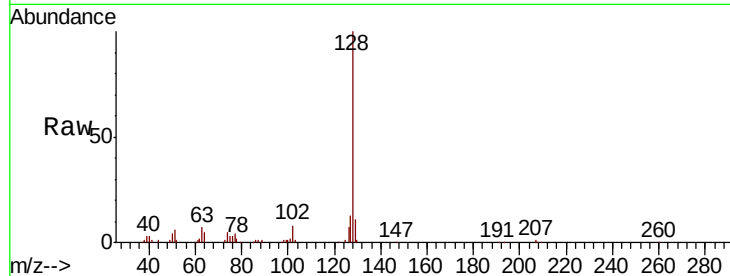


#95
Naphthalene
Concen: 18.051 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

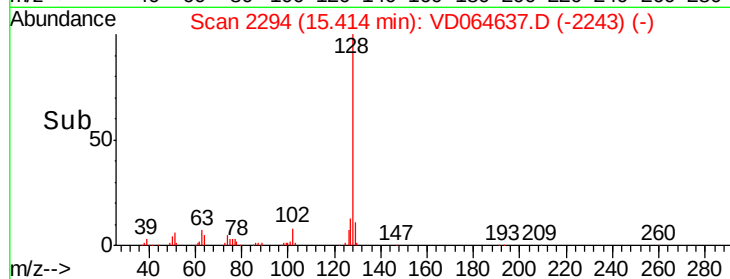
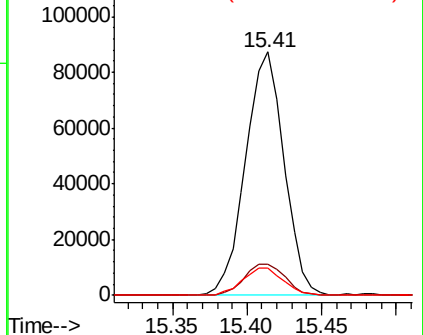
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion:	128	Resp:	156255
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.3	15.5
129	11.8	8.5	12.7

Manual Integrations
APPROVED

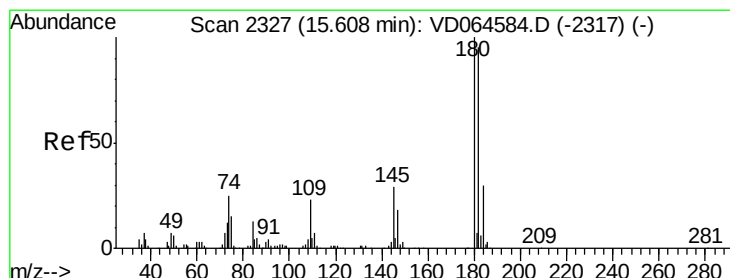


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



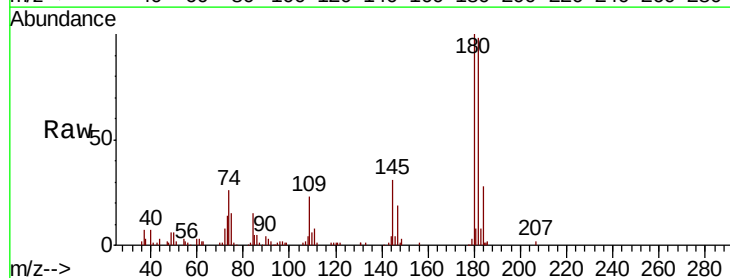
apatel

12/30/2019 11:03:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.397 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion:	180	Resp:	85936
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.9	143.7
145	30.6	14.9	44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

