

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064398.D
 Acq On : 27 Nov 2019 16:03
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:20 AM

Quant Time: Nov 29 07:39:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	482106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	690921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	597801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	445238	102.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.06%	
35) Dibromofluoromethane	7.92	113	433877	99.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.34%	
50) Toluene-d8	10.34	98	1694914	103.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.72%	
62) 4-Bromofluorobenzene	12.64	95	533447	101.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	424641	97.209	ug/l	99
3) Chloromethane	2.21	50	508858	92.357	ug/l	99
4) Vinyl Chloride	2.35	62	639674	100.553	ug/l	97
5) Bromomethane	2.76	94	441604	93.870	ug/l	97
6) Chloroethane	2.92	64	421201	99.058	ug/l	98
7) Trichlorofluoromethane	3.27	101	1059876	100.220	ug/l	96
8) Diethyl Ether	3.71	74	221167	100.640	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	453945	100.110	ug/l	98
10) Methyl Iodide	4.29	142	563087	117.590	ug/l	99
11) Tert butyl alcohol	5.26	59	132248	476.096	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	432140	99.446	ug/l	98
13) Acrolein	3.92	56	180979	477.667	ug/l	98
14) Allyl chloride	4.71	41	687468	101.372	ug/l	99
15) Acrylonitrile	5.43	53	485306	505.006	ug/l	99
16) Acetone	4.17	43	476523	540.380	ug/l	98
17) Carbon Disulfide	4.40	76	1393706	101.266	ug/l	97
18) Methyl Acetate	4.73	43	256150	99.583	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	1008821	101.207	ug/l	99
20) Methylene Chloride	4.96	84	452821	106.047	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	490337	99.756	ug/l	97
22) Diisopropyl ether	6.37	45	1334842	99.706	ug/l	98
23) Vinyl Acetate	6.31	43	4192739	531.225	ug/l	99
24) 1,1-Dichloroethane	6.26	63	806178	100.131	ug/l	97
25) 2-Butanone	7.23	43	652113	522.908	ug/l	99
26) 2,2-Dichloropropane	7.21	77	723038	103.264	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	534749	99.787	ug/l	99
28) Bromochloromethane	7.55	49	331209	120.373	ug/l	99
29) Tetrahydrofuran	7.57	42	410936	517.925	ug/l	97
30) Chloroform	7.71	83	835247	100.170	ug/l	97
31) Cyclohexane	7.98	56	761808	114.274	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	784472	101.477	ug/l	100
36) 1,1-Dichloropropene	8.11	75	676836	103.568	ug/l	98
37) Ethyl Acetate	7.30	43	287746	103.767	ug/l	98
38) Carbon Tetrachloride	8.10	117	731080	105.994	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	844888	104.223	ug/l	99
40) Benzene	8.36	78	1857242	102.322	ug/l	100
41) Methacrylonitrile	7.54	41	161117	101.314	ug/l	88
42) 1,2-Dichloroethane	8.43	62	543943	102.761	ug/l	98
43) Isopropyl Acetate	8.46	43	578623	106.125	ug/l	99
44) Trichloroethene	9.11	130	548278	100.279	ug/l	99
45) 1,2-Dichloropropane	9.39	63	440809	101.547	ug/l	99
46) Dibromomethane	9.48	93	252202	102.939	ug/l	98
47) Bromodichloromethane	9.67	83	652527	103.654	ug/l	100
48) Methyl methacrylate	9.46	41	270710	108.505	ug/l	93
49) 1,4-Dioxane	9.47	88	62033	2050.401	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	1432651	531.059	ug/l	100
52) Toluene	10.41	92	1215017	102.715	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	639065	106.518	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	743940	104.378	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	332985	99.257	ug/l	98
56) Ethyl methacrylate	10.67	69	446188	104.279	ug/l	98
57) 1,3-Dichloropropane	10.95	76	582381	101.980	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	803785	471.236	ug/l	99
59) 2-Hexanone	10.99	43	1016228	542.879	ug/l	98
60) Dibromochloromethane	11.14	129	469422	103.202	ug/l	99
61) 1,2-Dibromoethane	11.25	107	341556	101.969	ug/l	98
64) Tetrachloroethene	10.88	164	479204	105.119	ug/l	99
65) Chlorobenzene	11.67	112	1281767	102.803	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	493347	106.888	ug/l	99
67) Ethyl Benzene	11.75	91	2331291	105.090	ug/l	100
68) m/p-Xylenes	11.86	106	1804727	213.364	ug/l	99
69) o-Xylene	12.18	106	831616	106.456	ug/l	100
70) Styrene	12.20	104	1469767	108.269	ug/l	99
71) Bromoform	12.37	173	293862	106.417	ug/l #	96
73) Isopropylbenzene	12.48	105	2268913	104.400	ug/l	100
74) N-amyl acetate	12.30	43	528315	107.108	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	361144	100.487	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	246483m	99.188	ug/l	
77) Bromobenzene	12.77	156	554296	103.281	ug/l	99
78) n-propylbenzene	12.83	91	2625311	104.696	ug/l	100
79) 2-Chlorotoluene	12.91	91	1427836	103.483	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1863782	104.943	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	124942	109.633	ug/l	97
82) 4-Chlorotoluene	13.01	91	1510501	103.396	ug/l	100
83) tert-Butylbenzene	13.23	119	1610965	104.336	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1871708	104.809	ug/l	98
85) sec-Butylbenzene	13.41	105	2235814	105.507	ug/l	100
86) p-Isopropyltoluene	13.53	119	2132483	106.590	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1060211	104.083	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	1017501	101.176	ug/l	99
89) n-Butylbenzene	13.85	91	1922620	105.823	ug/l	99
90) Hexachloroethane	14.12	117	383862	102.583	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	892488	102.522	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	60052	117.765	ug/l	98

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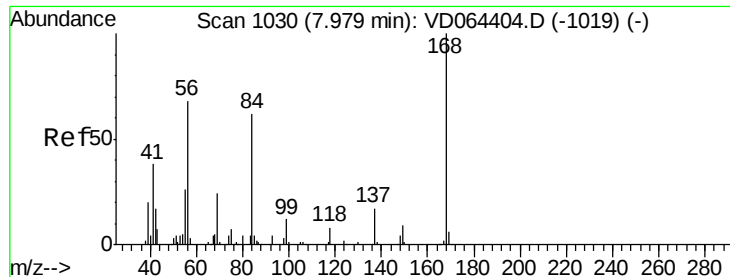
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	668952	100.339	ug/l	100
94) Hexachlorobutadiene	15.28	225	424045	103.030	ug/l	100
95) Naphthalene	15.41	128	1148076	103.186	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	571914	100.496	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 482106

Ion Ratio Lower Upper

168 100

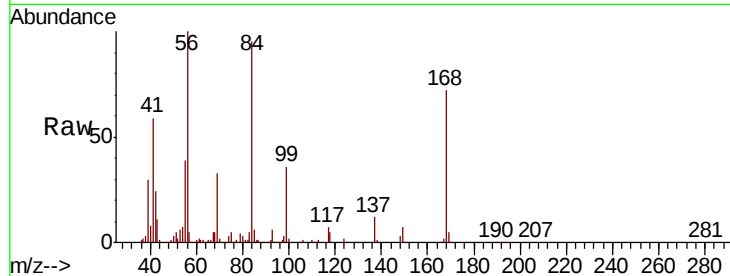
99 49.2 40.7 61.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

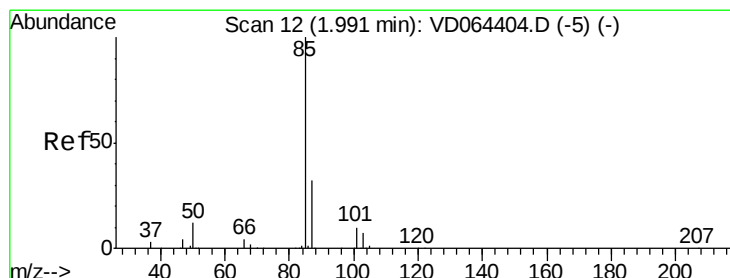
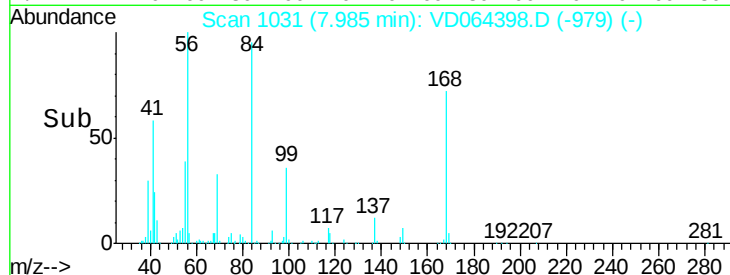
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 97.209 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064398.D

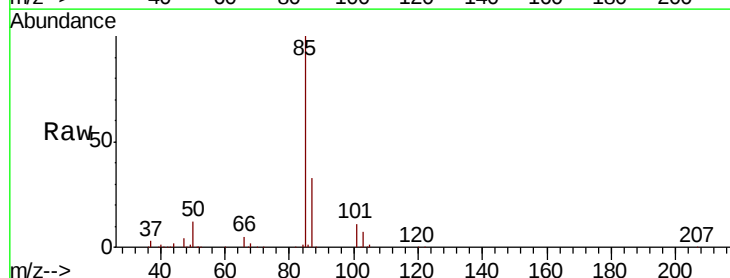
Acq: 27 Nov 2019 16:03

Tgt Ion: 85 Resp: 424641

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

300000

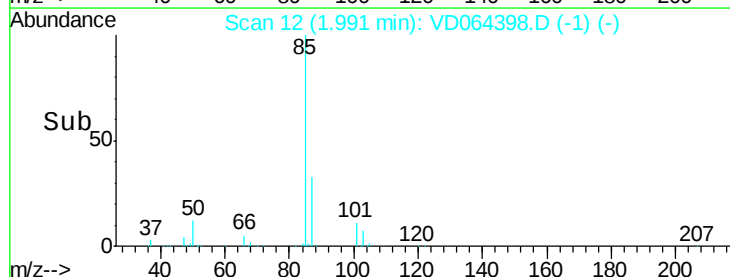
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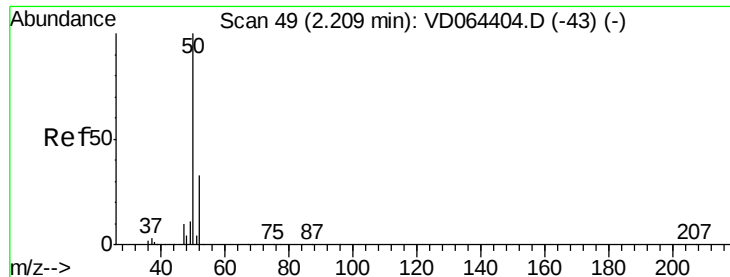
100000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 92.357 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 508858

Ion Ratio Lower Upper

50 100

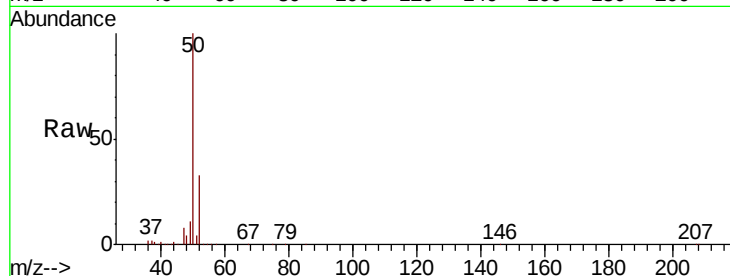
52 32.6 26.7 40.1

Manual Integrations

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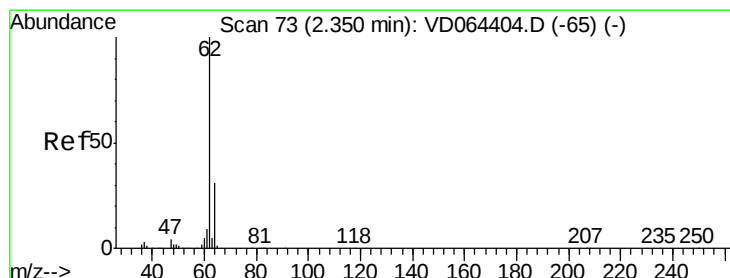
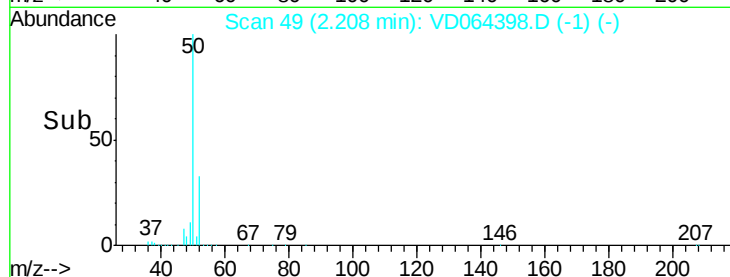
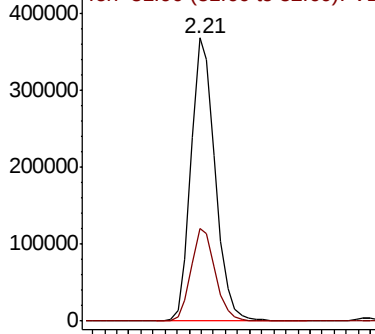
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 100.553 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064398.D

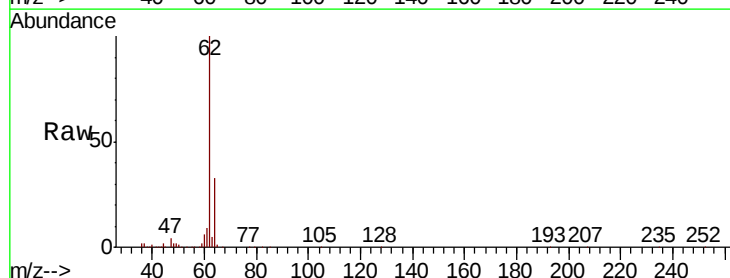
Acq: 27 Nov 2019 16:03

Tgt Ion: 62 Resp: 639674

Ion Ratio Lower Upper

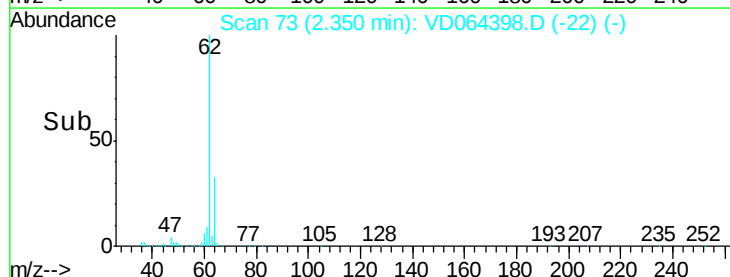
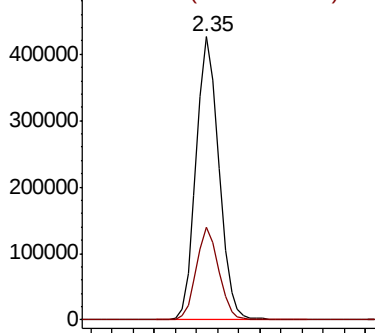
62 100

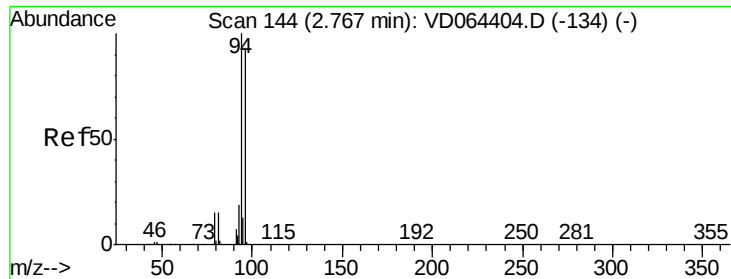
64 32.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 93.870 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

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Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 441604

Ion Ratio Lower Upper

94 100

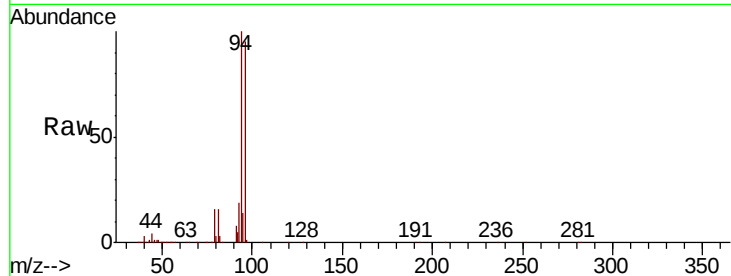
96 94.8 73.6 110.4

Manual Integrations

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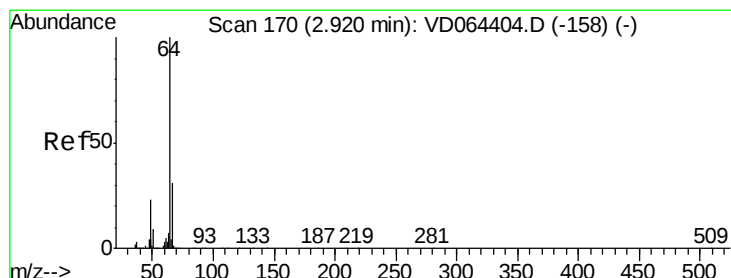
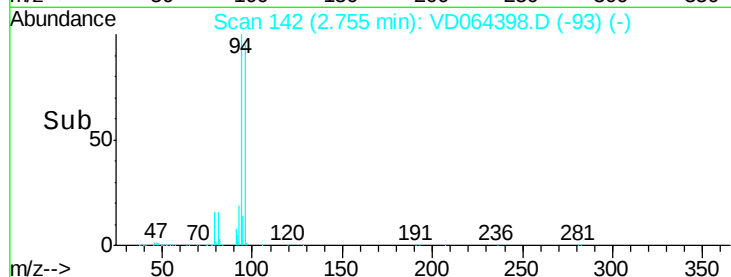
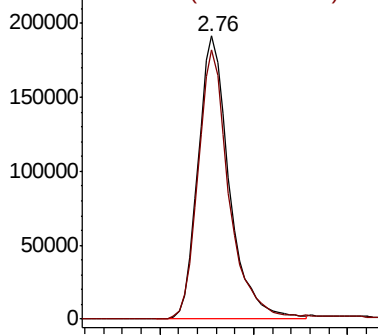
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 99.058 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064398.D

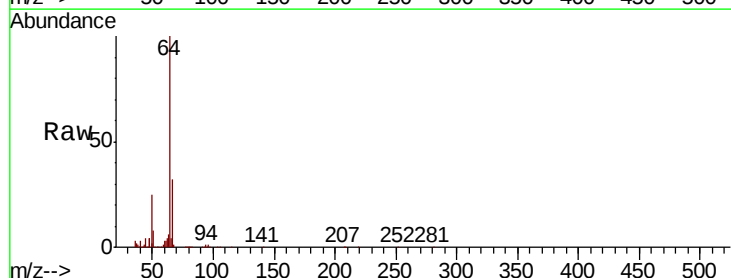
Acq: 27 Nov 2019 16:03

Tgt Ion: 64 Resp: 421201

Ion Ratio Lower Upper

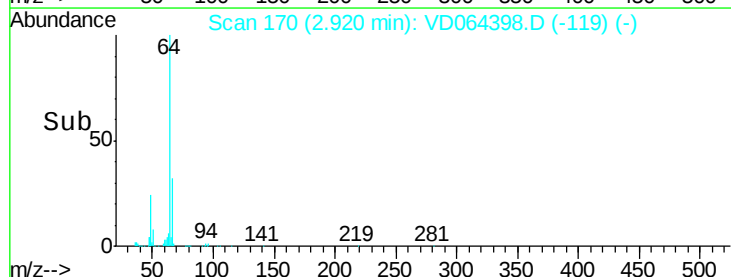
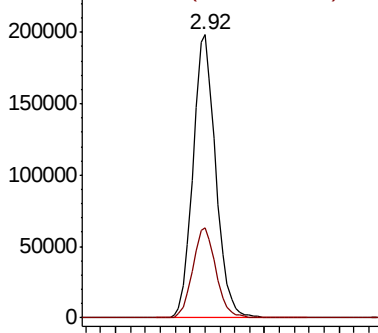
64 100

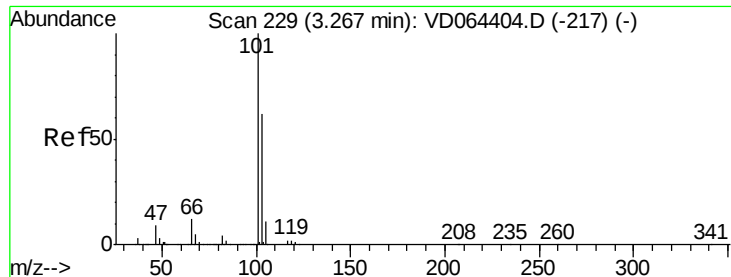
66 31.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

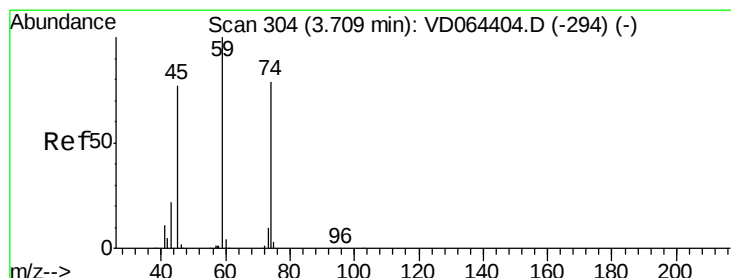
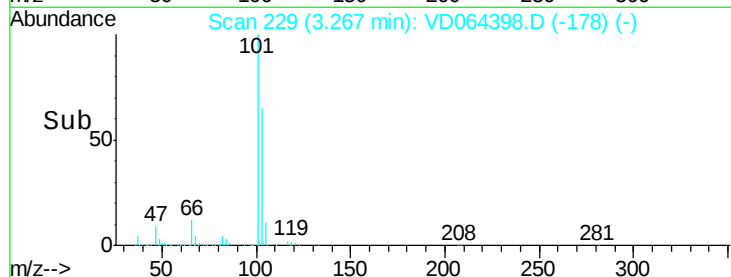
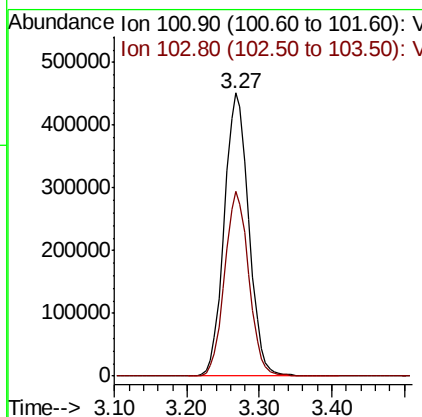
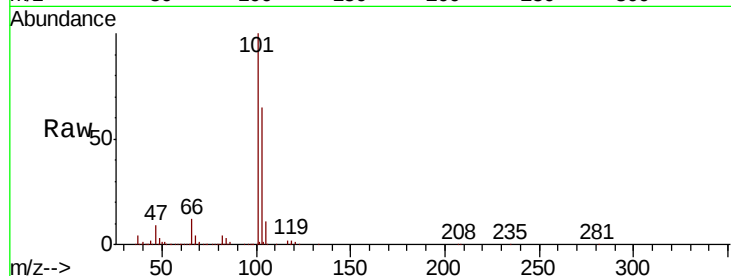
Trichlorofluoromethane
Concen: 100.220 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

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ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 1059876
Ion Ratio Lower Upper
101 100
103 65.2 49.8 74.6

Manual Integrations
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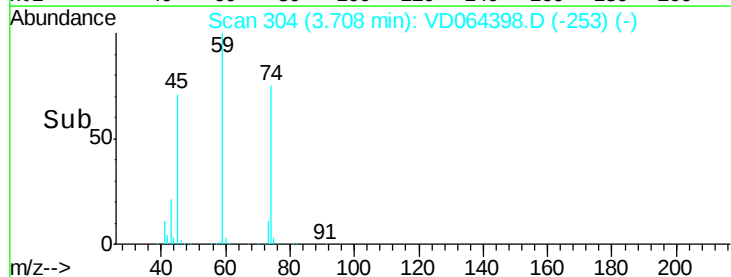
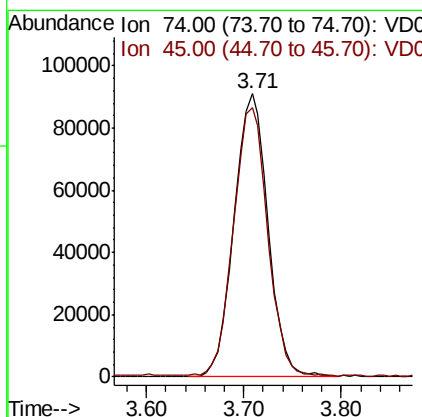
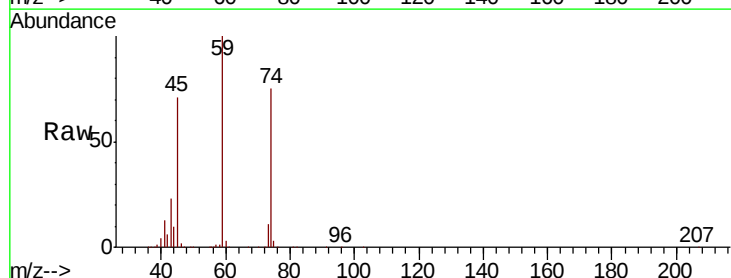
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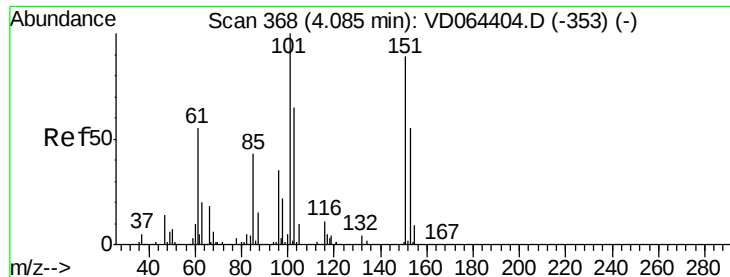


#8

Diethyl Ether
Concen: 100.640 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 74 Resp: 221167
Ion Ratio Lower Upper
74 100
45 95.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.110 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

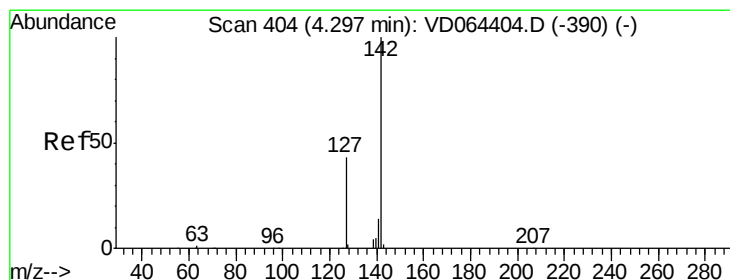
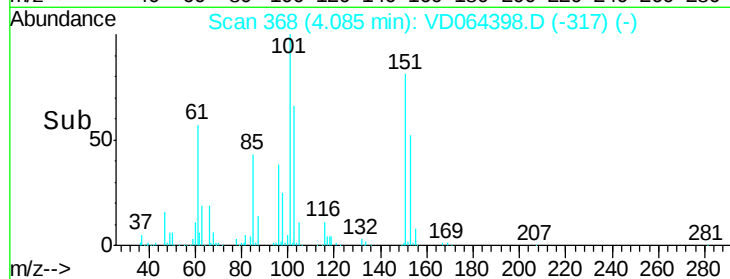
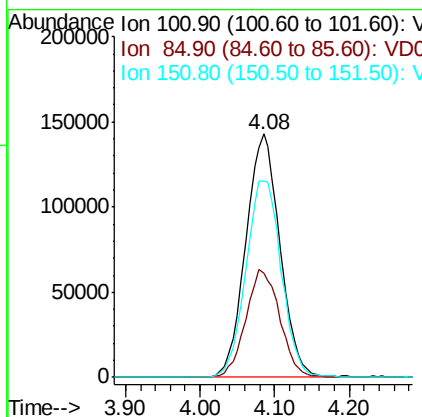
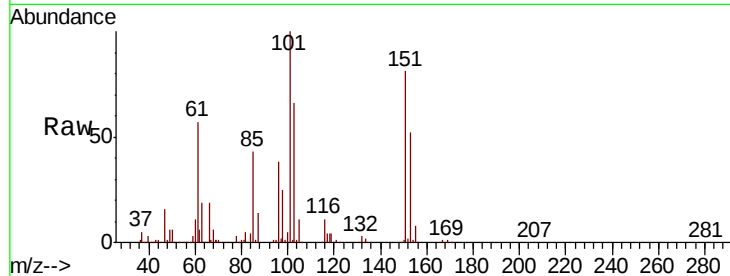
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	453945
Ion Ratio	Lower	Upper	
101	100		
85	44.4	34.8	52.2
151	84.1	68.8	103.2

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#10

Methyl Iodide

Concen: 117.590 ug/l

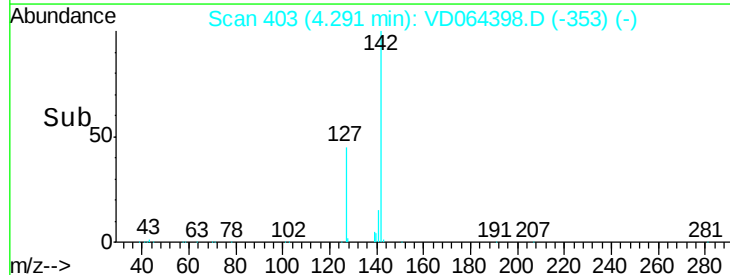
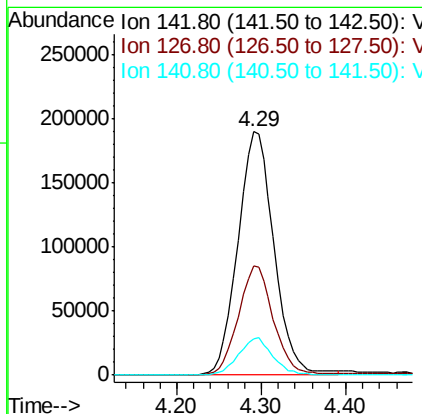
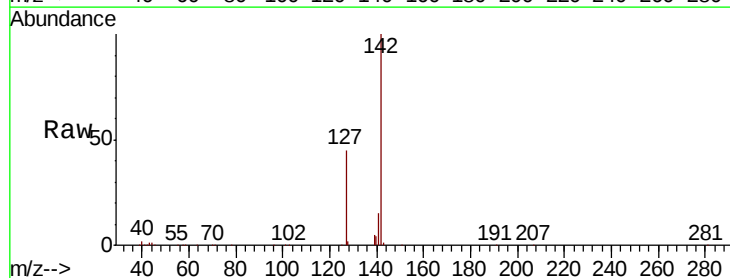
RT: 4.29 min Scan# 403

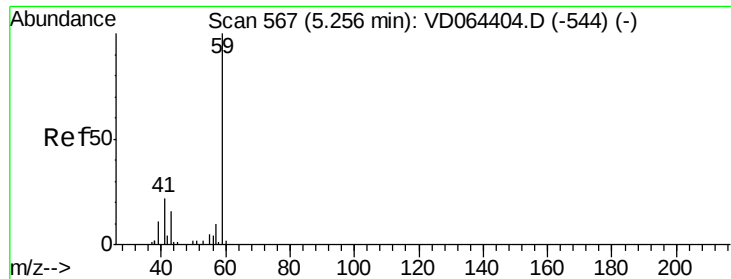
Delta R.T. -0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Tgt Ion:	142	Resp:	563087
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.3	52.9
141	14.4	11.6	17.4





#11

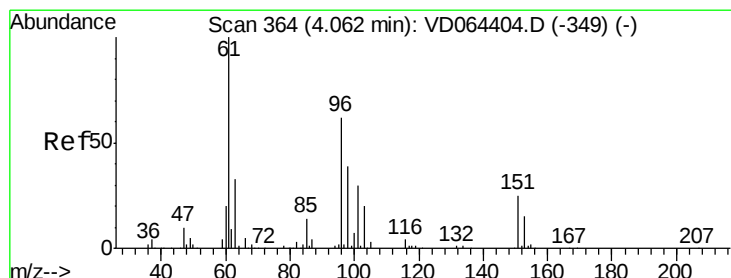
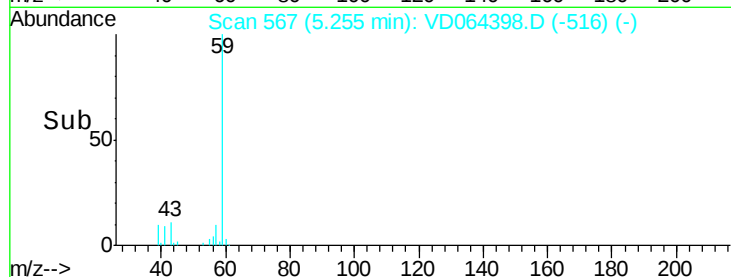
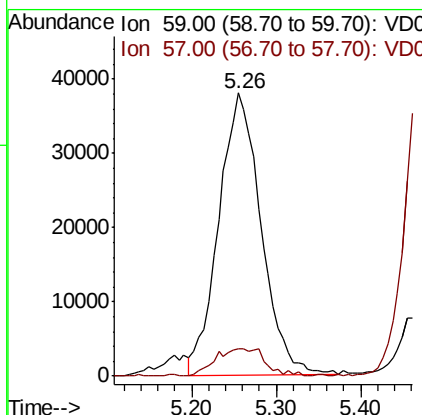
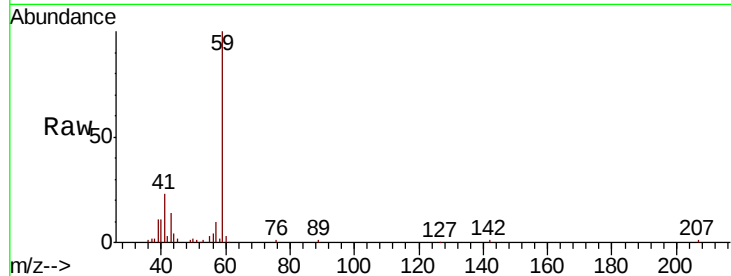
Tert butyl alcohol
Concen: 476.096 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 59 Resp: 132248
Ion Ratio Lower Upper
59 100
57 11.4 0.0 0.0#

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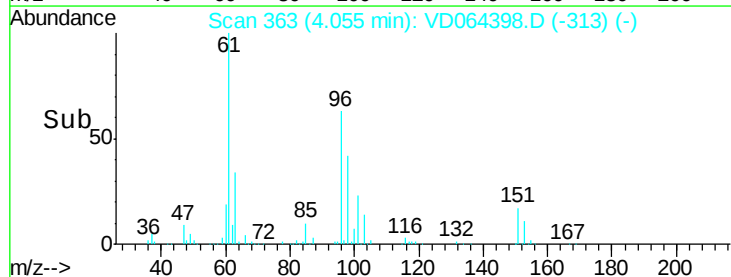
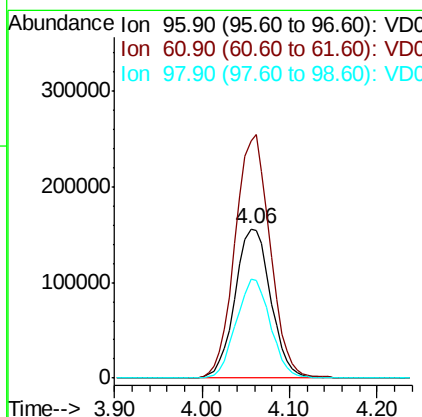
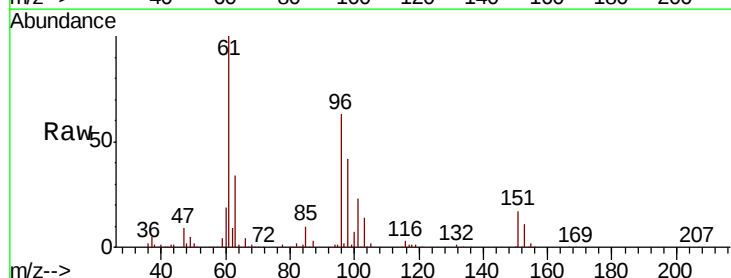
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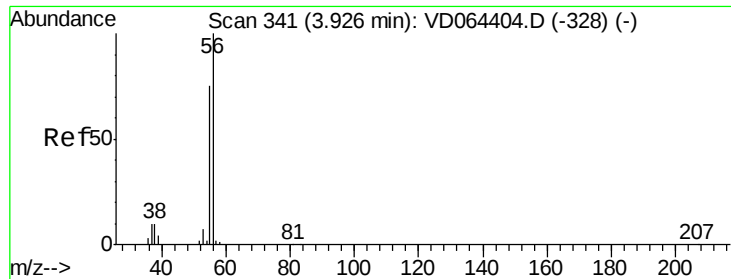


#12

1,1-Dichloroethene
Concen: 99.446 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 96 Resp: 432140
Ion Ratio Lower Upper
96 100
61 158.5 128.2 192.4
98 66.4 50.4 75.6





#13

Acrolein

Concen: 477.667 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 180979

Ion Ratio Lower Upper

56 100

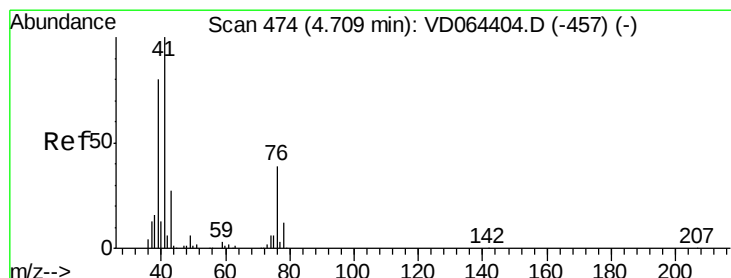
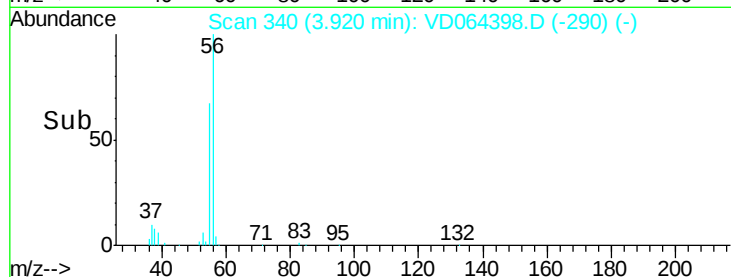
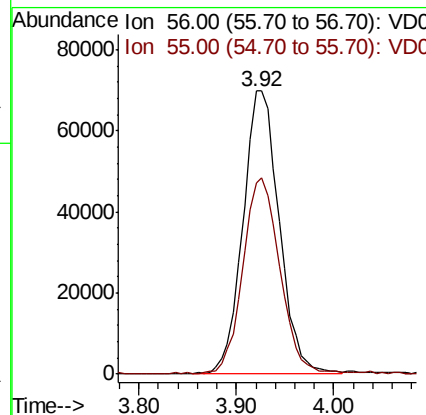
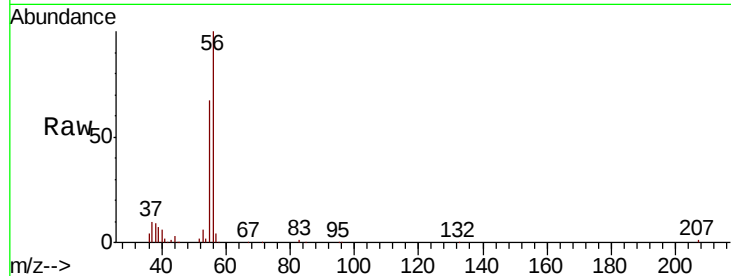
55 69.5 56.9 85.3

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#14

Allyl chloride

Concen: 101.372 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

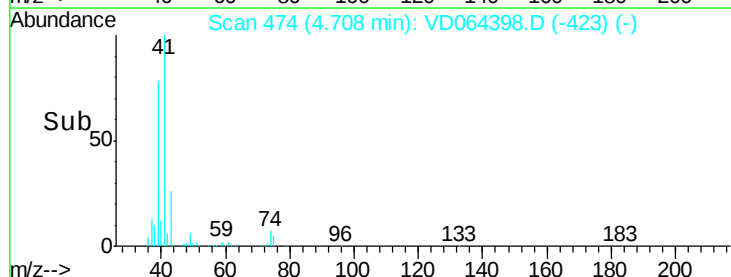
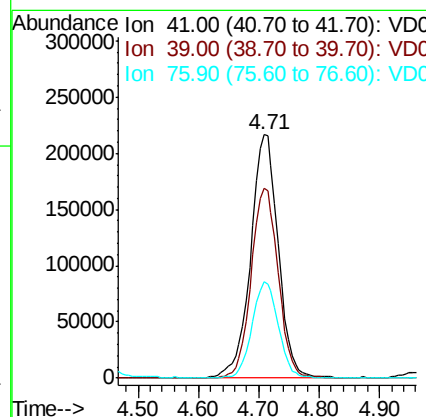
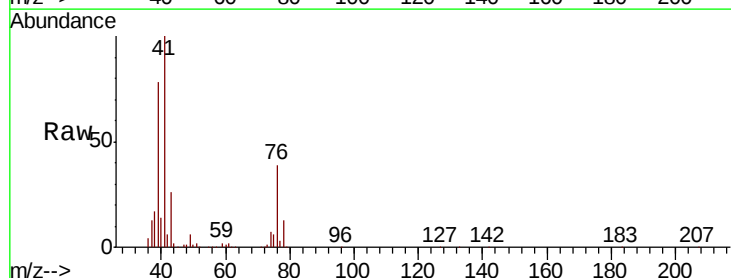
Tgt Ion: 41 Resp: 687468

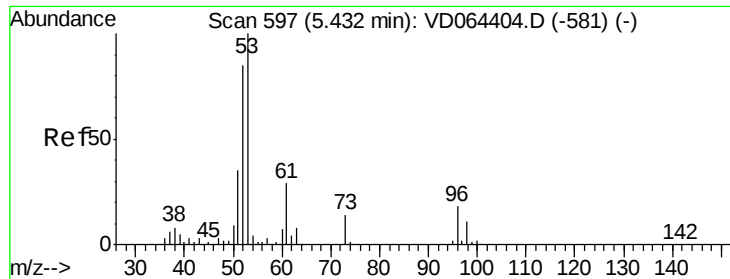
Ion Ratio Lower Upper

41 100

39 76.4 62.1 93.1

76 37.1 29.8 44.8





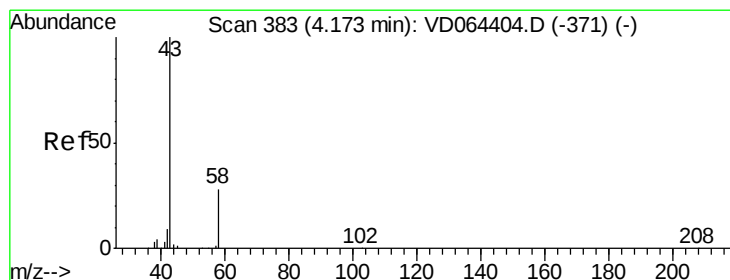
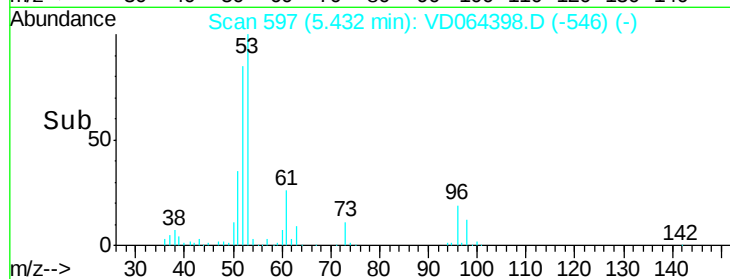
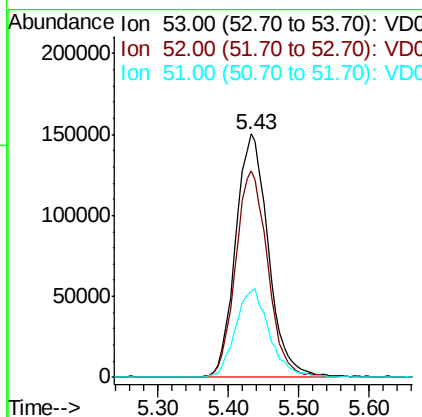
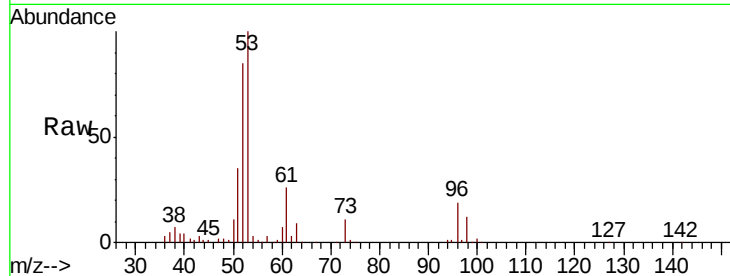
#15
 Acrylonitrile
 Concen: 505.006 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.3	67.9	101.9
51	37.8	30.6	45.8

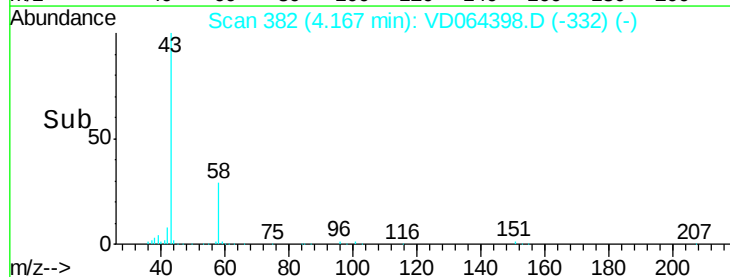
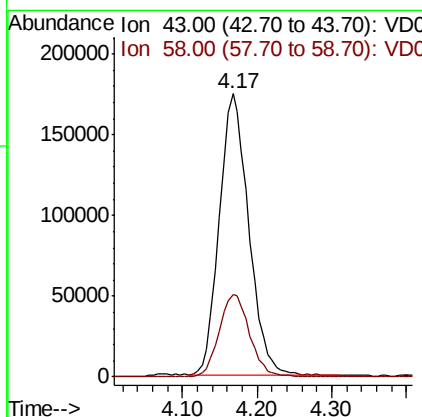
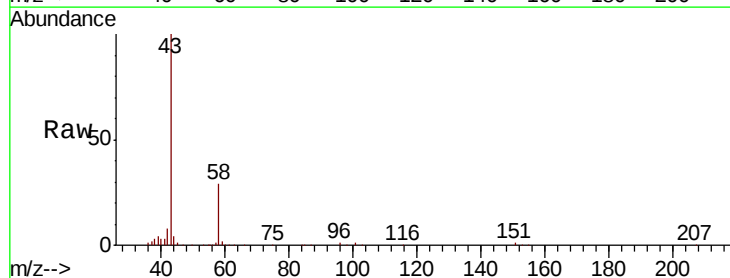
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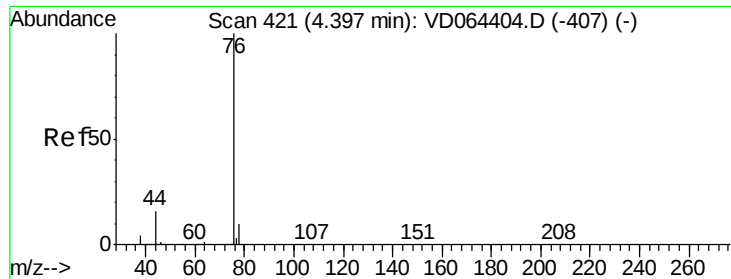
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#16
 Acetone
 Concen: 540.380 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.6	33.8





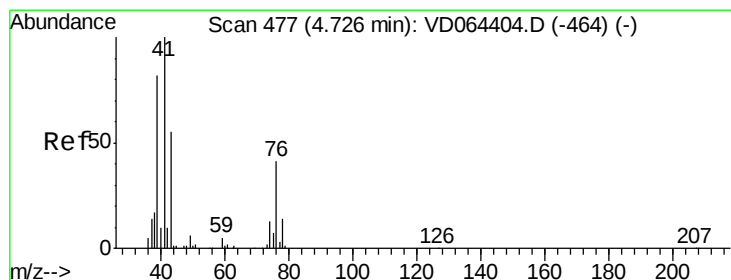
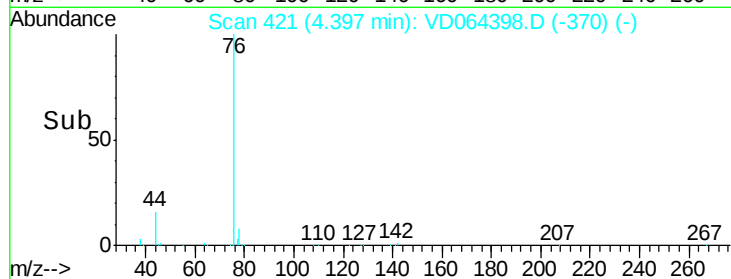
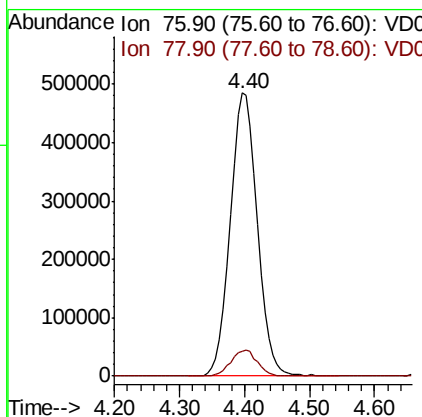
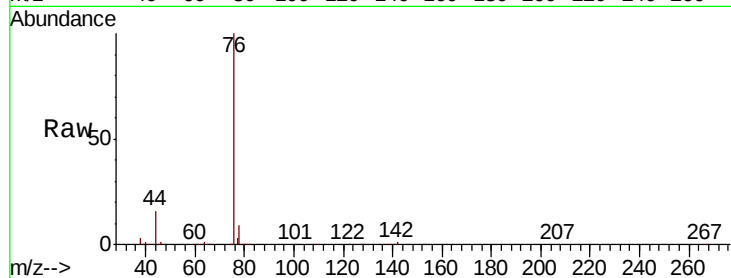
#17
Carbon Disulfide
Concen: 101.266 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion: 76 Resp: 1393706
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.8

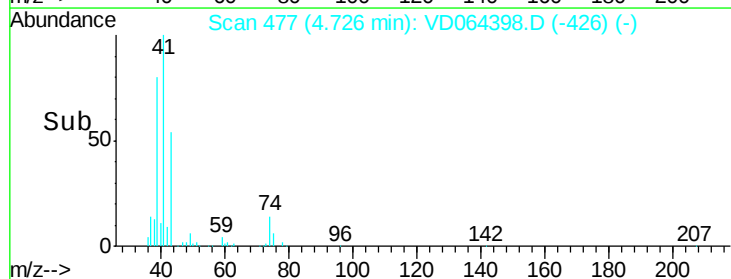
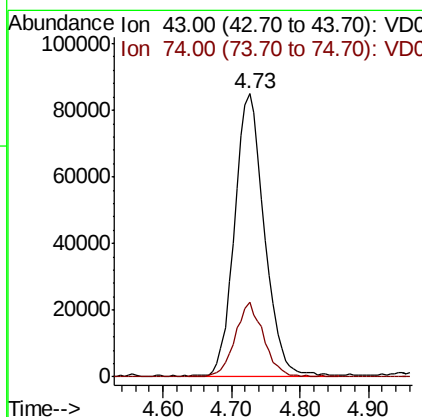
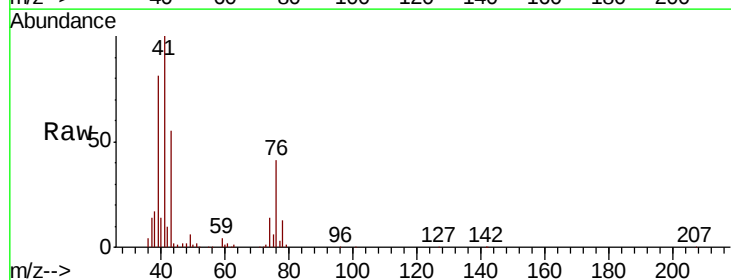
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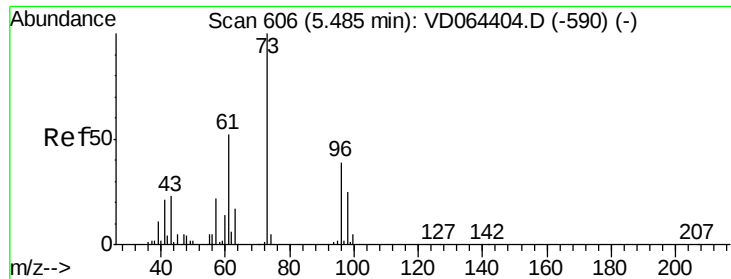
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#18
Methyl Acetate
Concen: 99.583 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 43 Resp: 256150
Ion Ratio Lower Upper
43 100
74 25.1 19.7 29.5





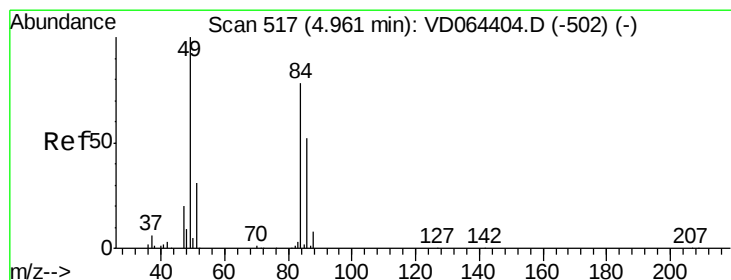
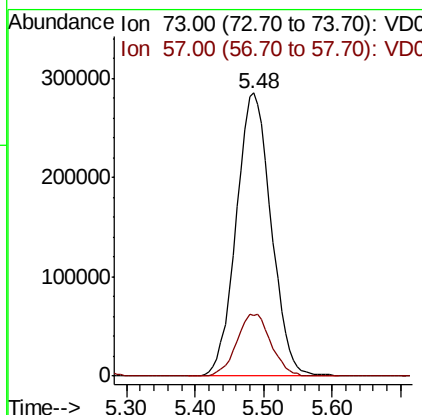
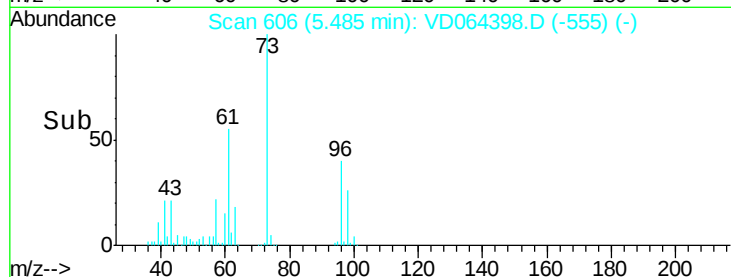
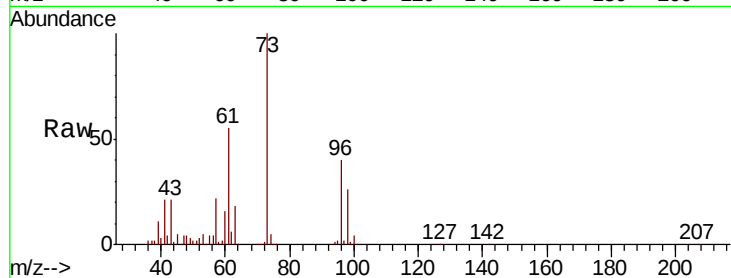
#19
Methvl tert-butvl Ether
Concen: 101.207 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1008821
Ion Ratio Lower Upper
73 100
57 21.6 17.6 26.4

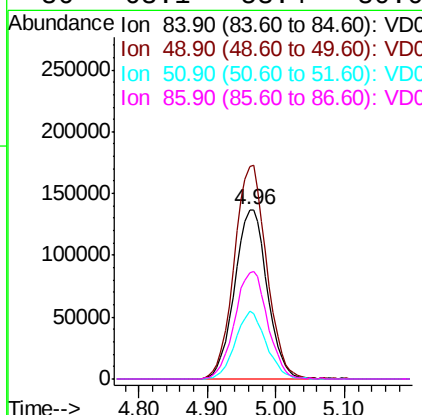
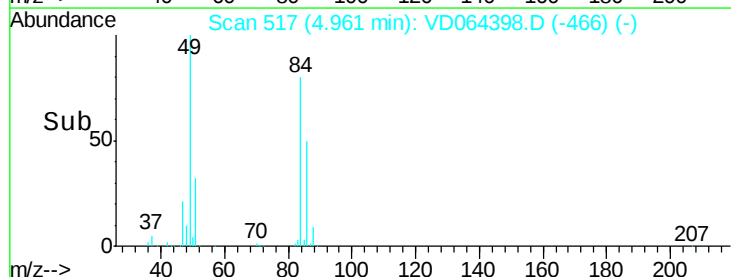
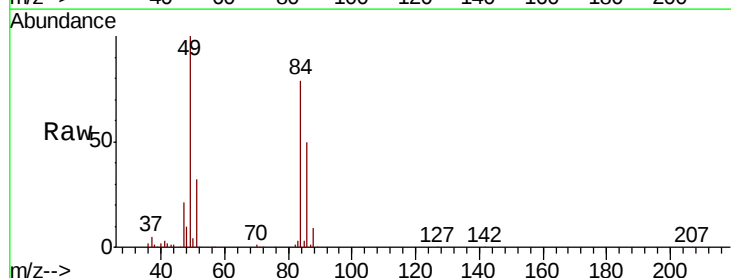
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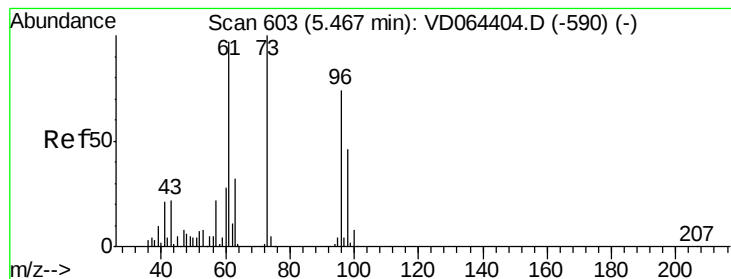
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#20
Methylene Chloride
Concen: 106.047 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 84 Resp: 452821
Ion Ratio Lower Upper
84 100
49 126.0 102.6 153.8
51 40.1 32.0 48.0
86 63.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 99.756 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

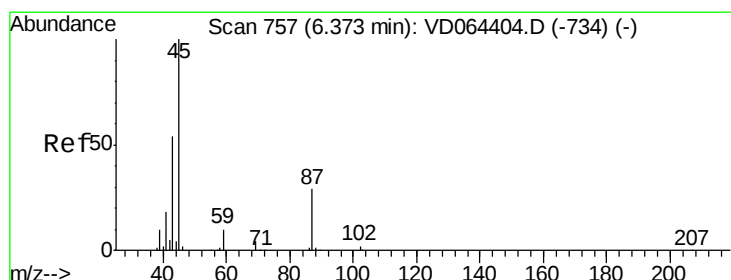
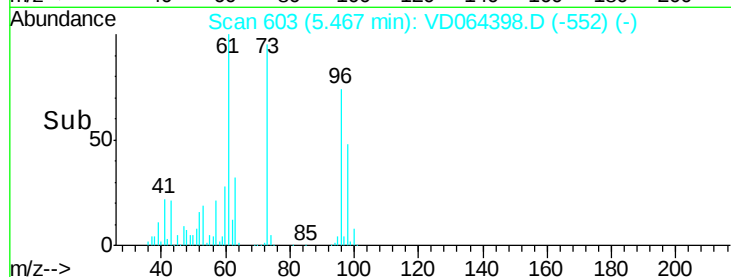
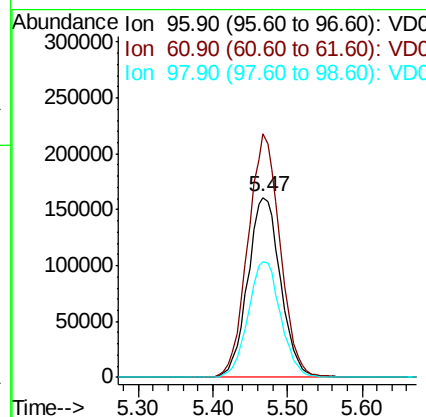
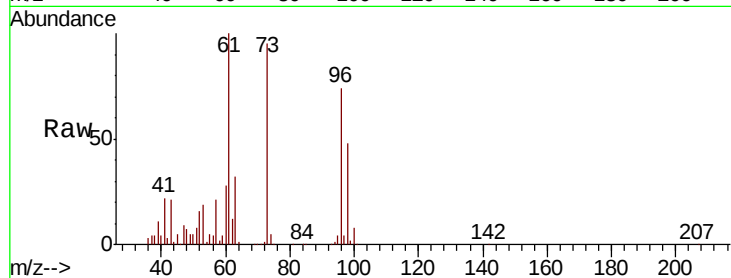
ClientSampleID :

VSTDIC100

Tot Ion:	96	Resp:	490337
Ion	Ratio	Lower	Upper
96	100		
61	135.4	105.8	158.6
98	64.7	50.1	75.1

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#22

Diisopropyl ether

Concen: 99.706 ug/l

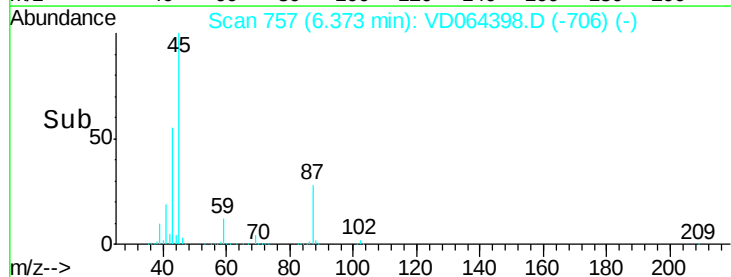
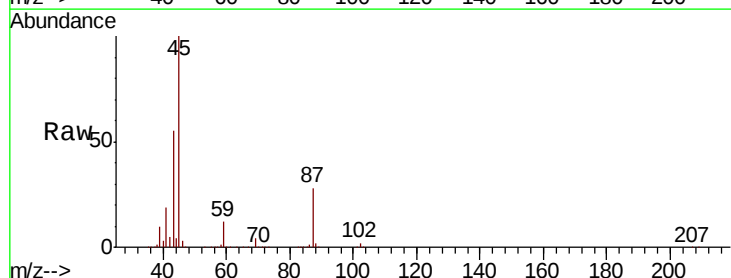
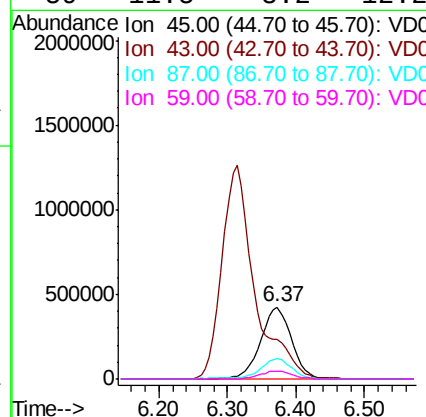
RT: 6.37 min Scan# 757

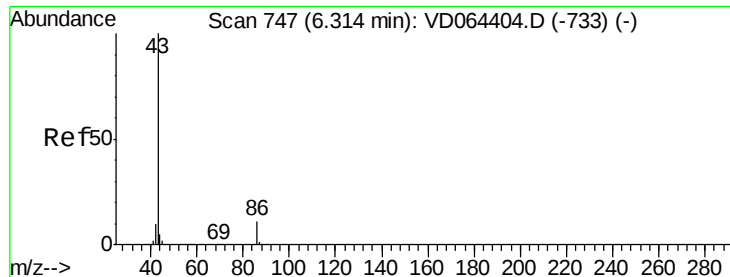
Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Tgt Ion:	45	Resp:	1334842
Ion	Ratio	Lower	Upper
45	100		
43	54.4	43.1	64.7
87	27.6	23.5	35.3
59	11.5	8.2	12.2





#23

Vinyl Acetate

Concen: 531.225 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleID :

VSTDICC100

Tot Ion: 43 Resp: 4192739

Ion Ratio Lower Upper

43 100

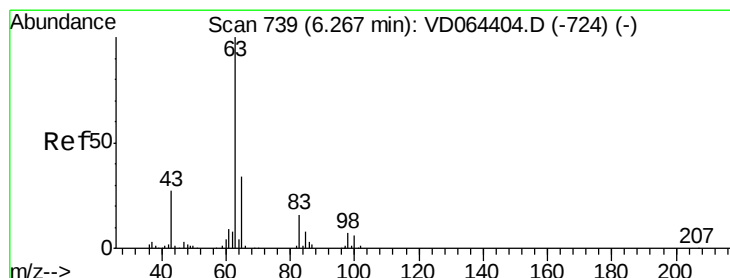
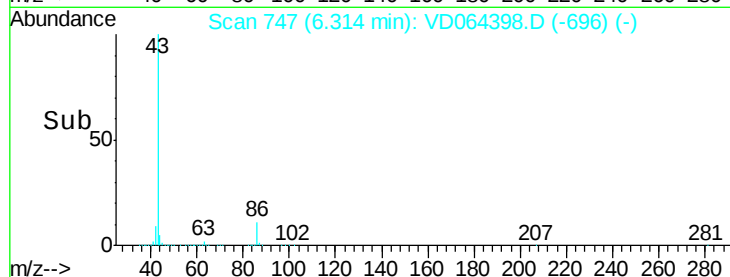
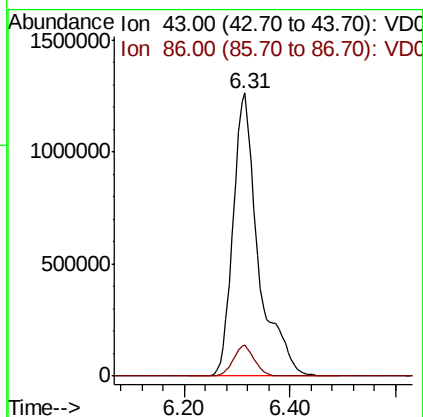
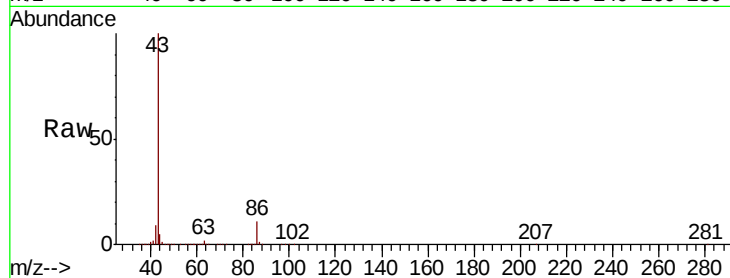
86 10.9 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 100.131 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

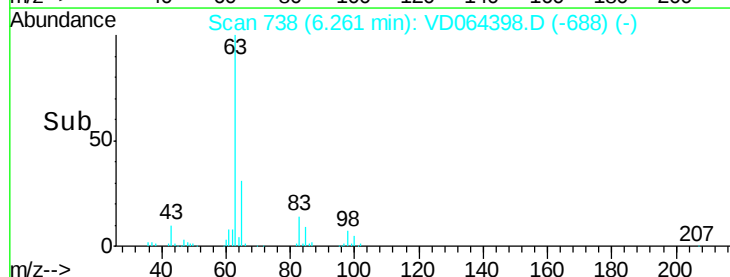
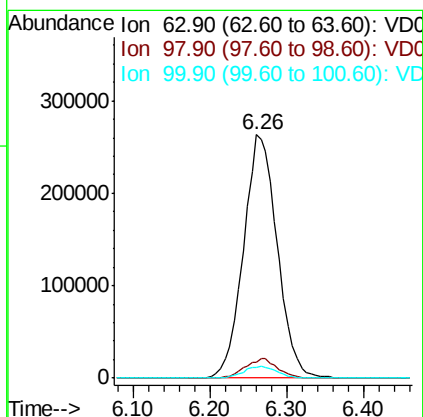
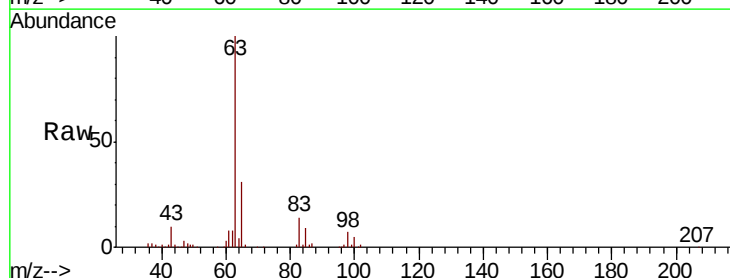
Tgt Ion: 63 Resp: 806178

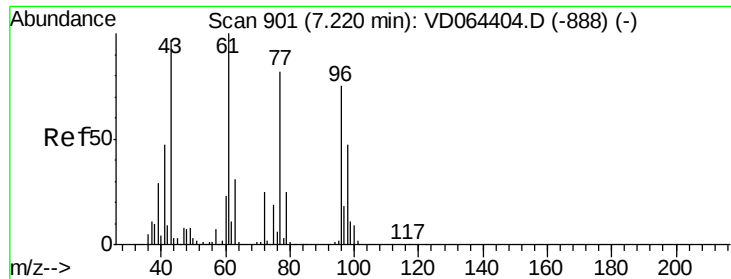
Ion Ratio Lower Upper

63 100

98 6.7 3.6 10.9

100 4.6 2.9 8.6





#25

2-Butanone

Concen: 522.908 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 652113

Ion Ratio Lower Upper

43 100

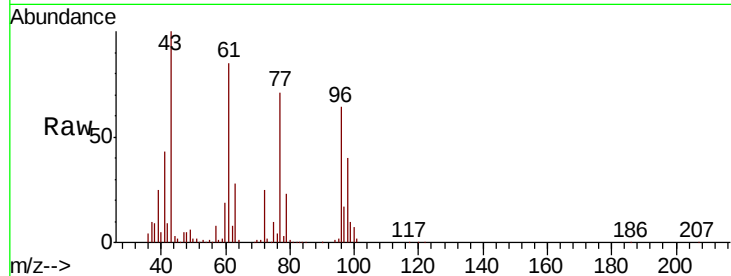
72 25.5 21.0 31.4

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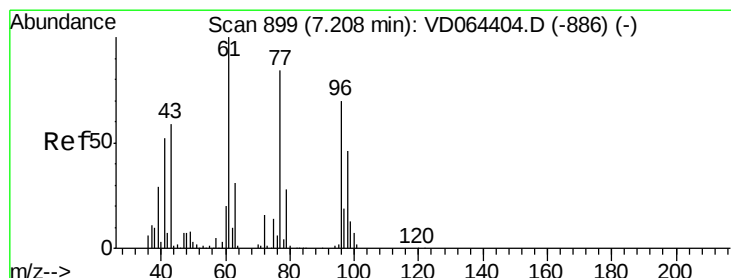
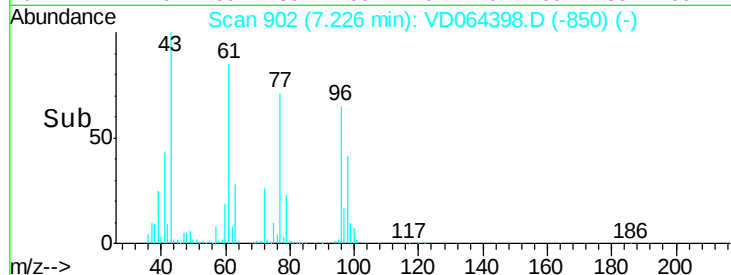
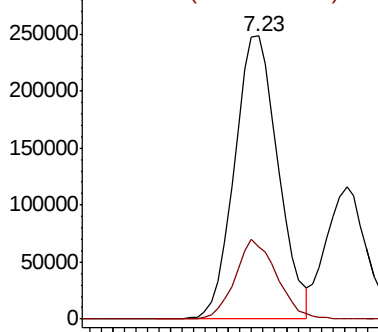
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 103.264 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064398.D

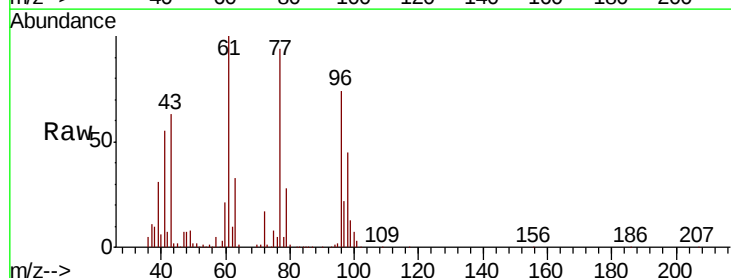
Acq: 27 Nov 2019 16:03

Tgt Ion: 77 Resp: 723038

Ion Ratio Lower Upper

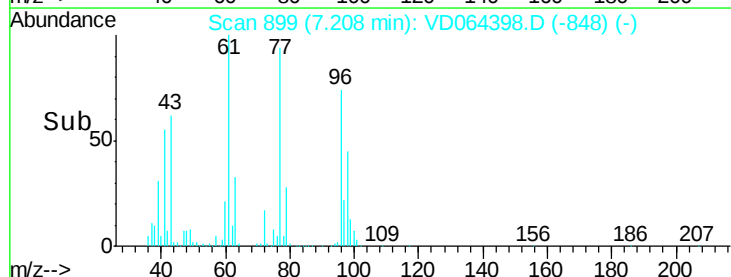
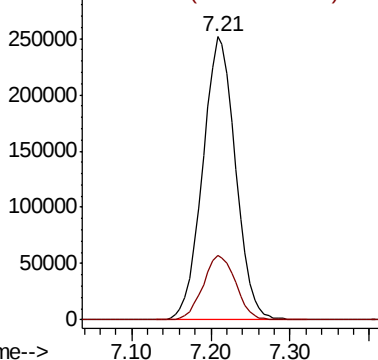
77 100

97 22.6 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

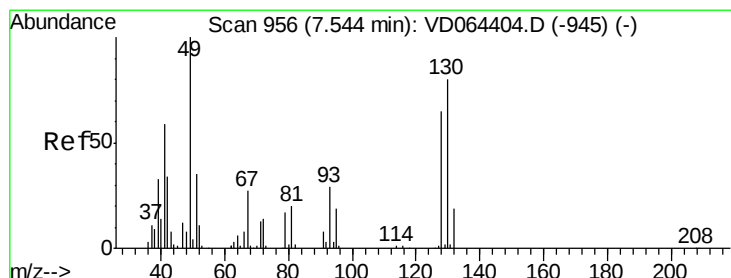
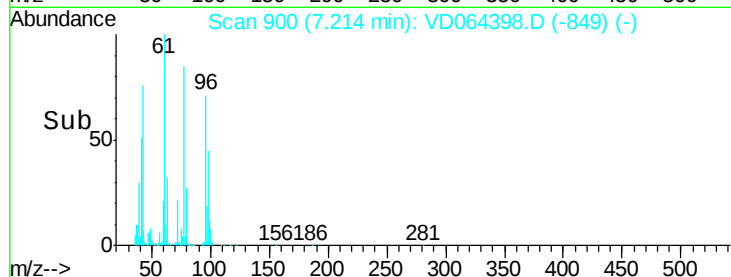
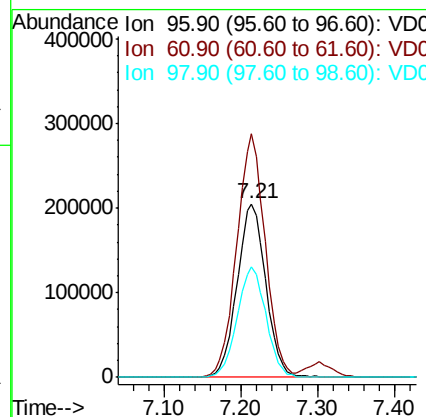
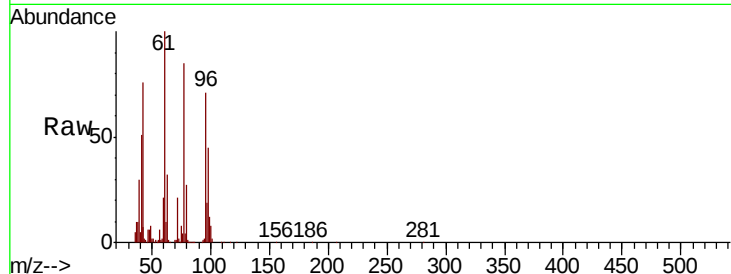
cis-1,2-Dichloroethene
Concen: 99.787 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	279.6
98	64.0	0.0	129.2

Manual Integrations
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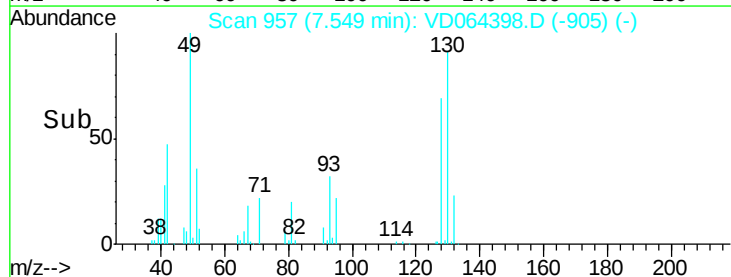
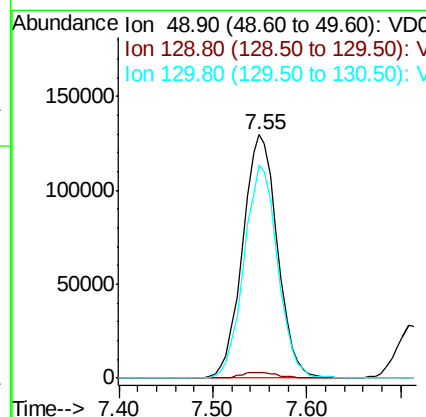
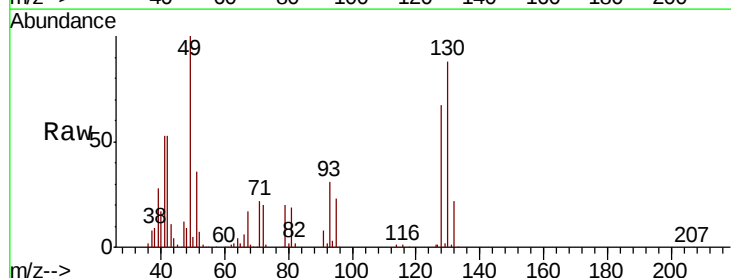
apatel
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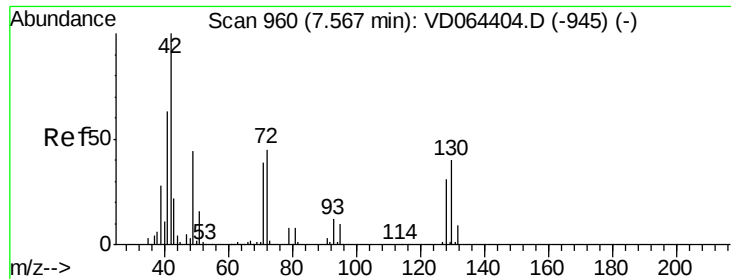


#28

Bromochloromethane
Concen: 120.373 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	85.0	67.4	101.0





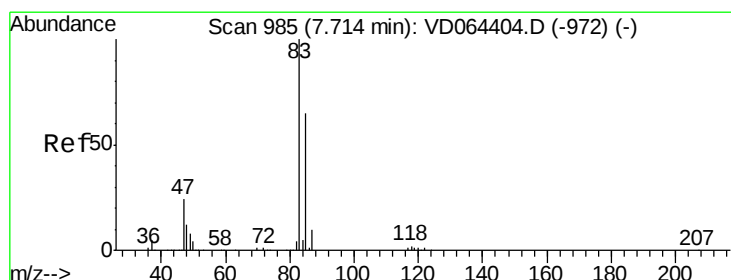
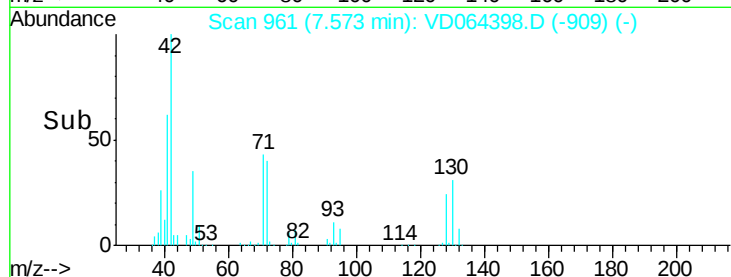
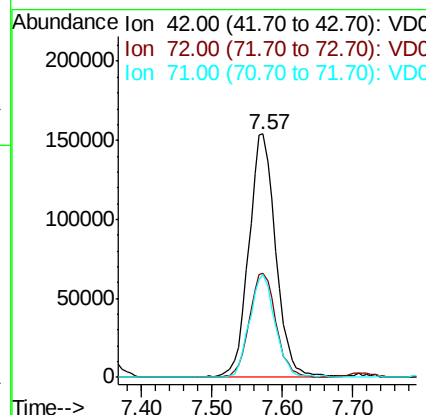
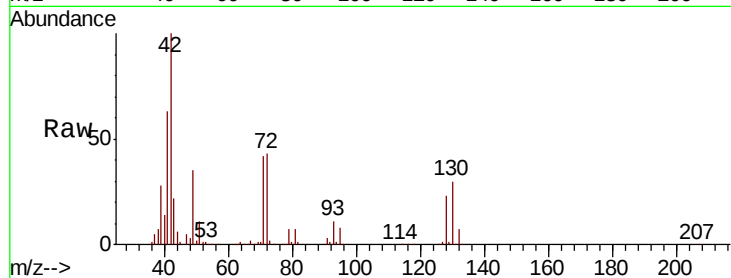
#29
Tetrahydrofuran
Concen: 517.925 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.8	53.8
71	39.9	32.7	49.1

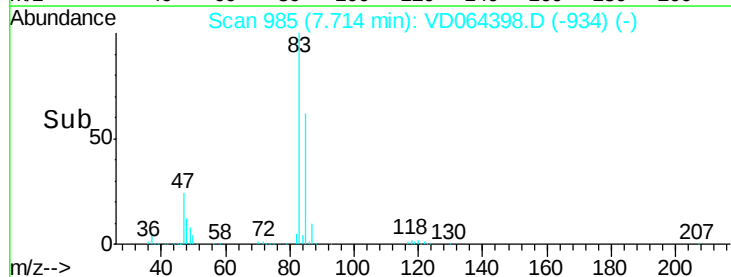
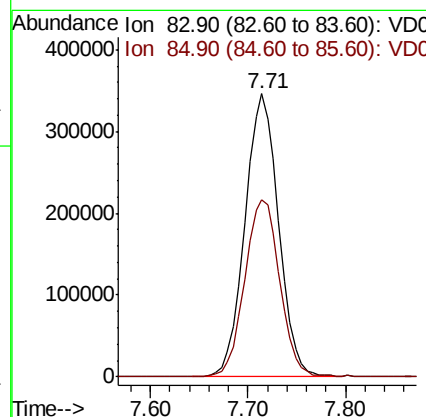
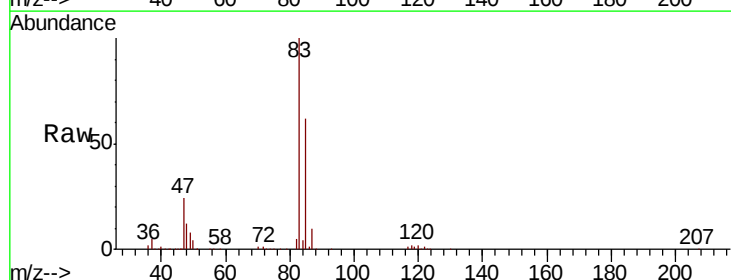
Manual Integrations
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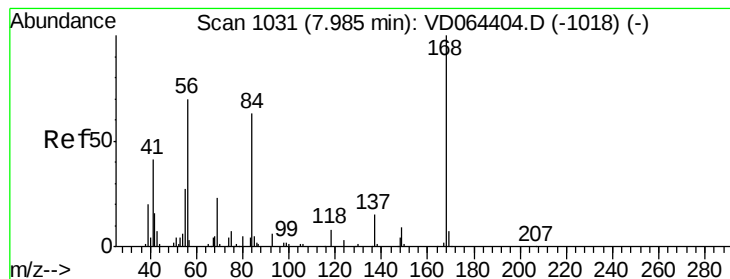
apatel
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#30
Chloroform
Concen: 100.170 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.8	77.6





#31

Cyclohexane

Concen: 114.274 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 761808

Ion Ratio Lower Upper

56 100

69 32.9 26.2 39.4

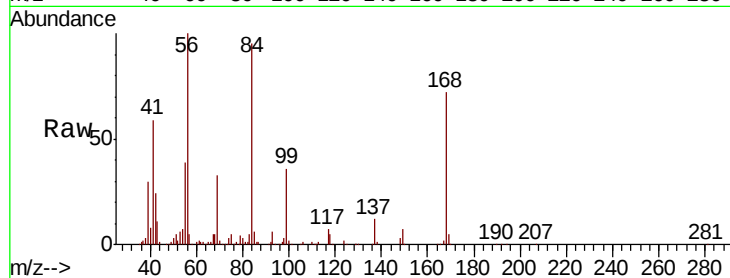
84 93.4 70.3 105.5

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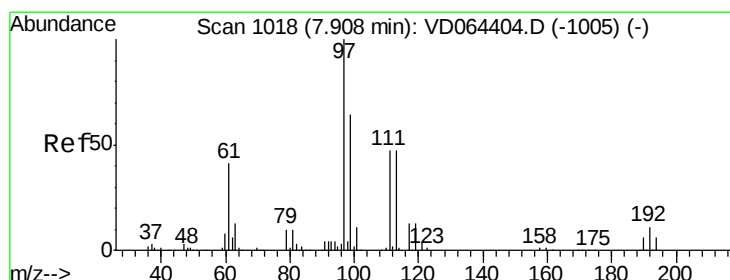
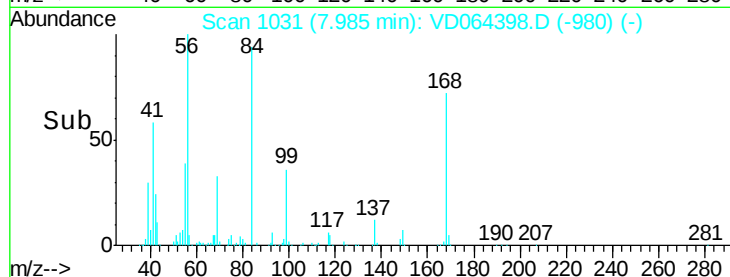
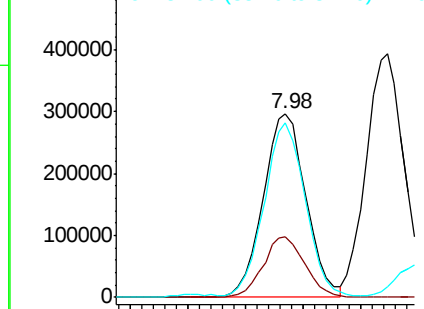


Abundance

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



#32

1,1,1-Trichloroethane

Concen: 101.477 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

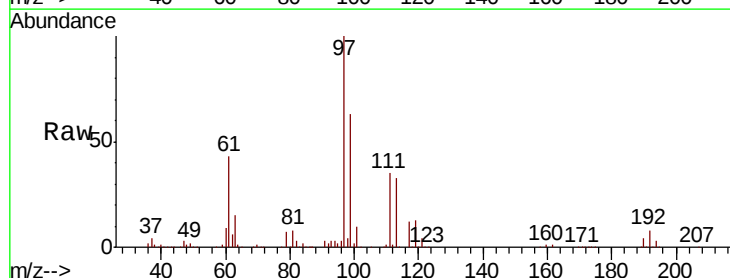
Tgt Ion: 97 Resp: 784472

Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.2

61 43.3 35.0 52.4

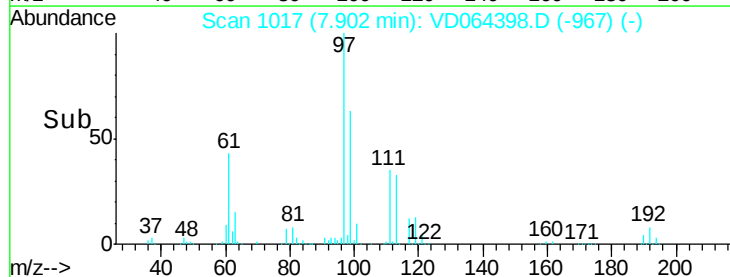
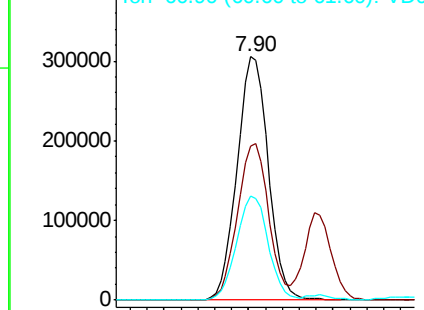


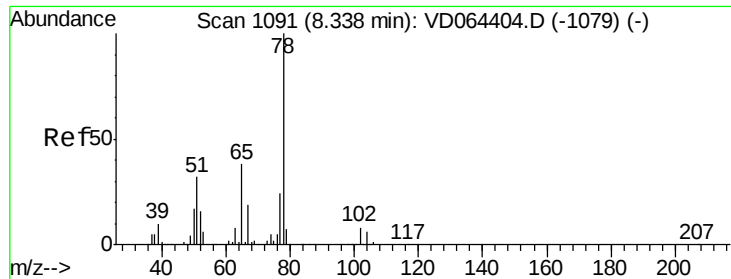
Abundance

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: 102.031 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 445238

Ion Ratio Lower Upper

65 100

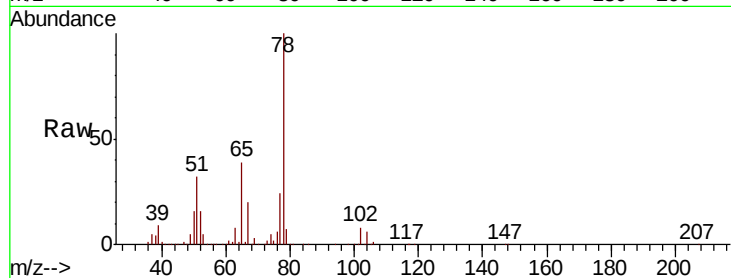
67 51.9 0.0 102.0

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

200000

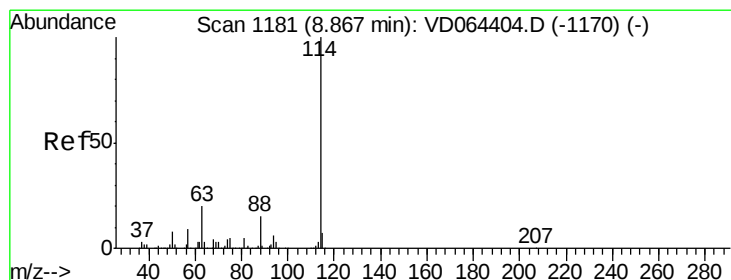
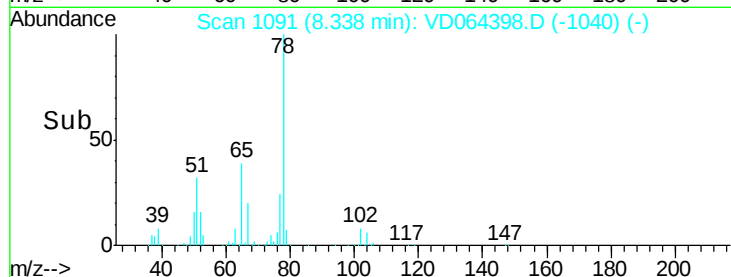
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

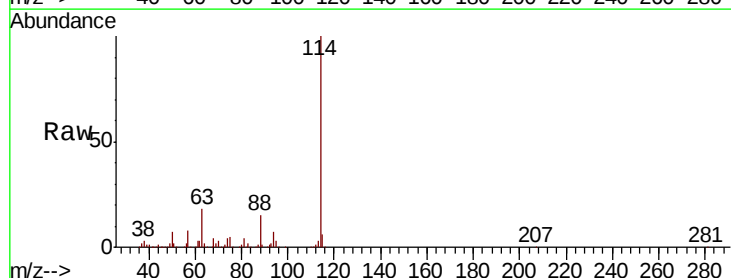
Tgt Ion: 114 Resp: 690921

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

88 14.8 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

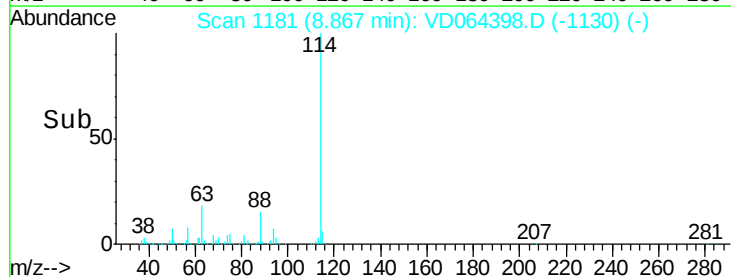
300000

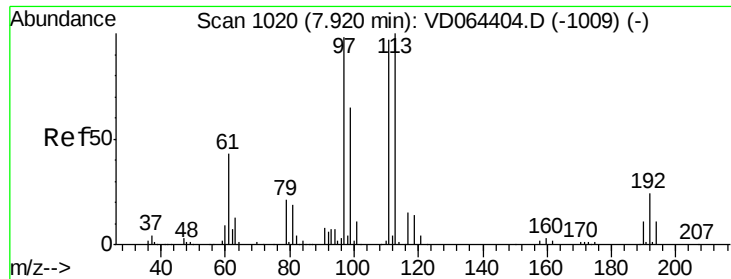
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 99.670 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 113 Resp: 433877

Ion Ratio Lower Upper

113 100

111 103.7 79.4 119.2

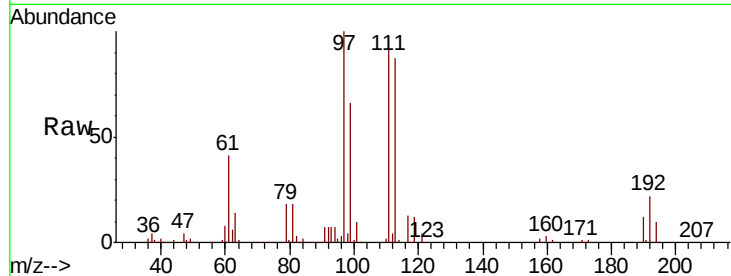
192 24.0 18.6 28.0

Manual Integrations

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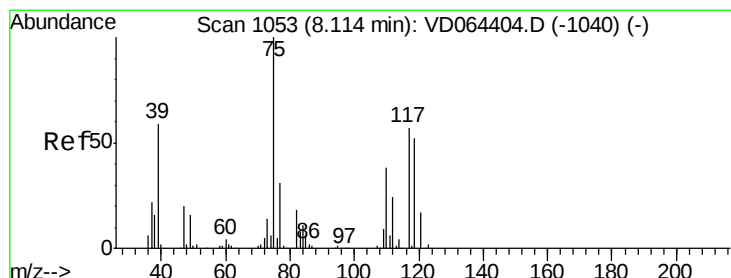
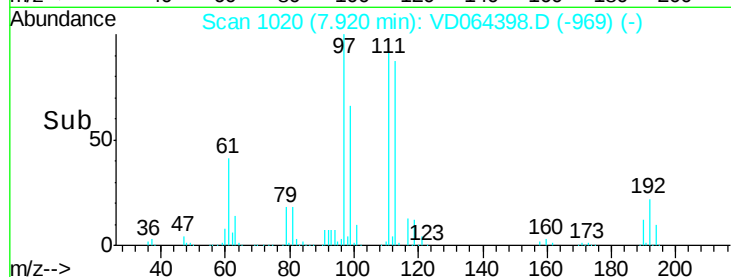
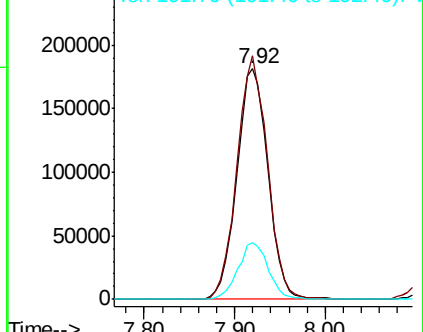


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 103.568 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

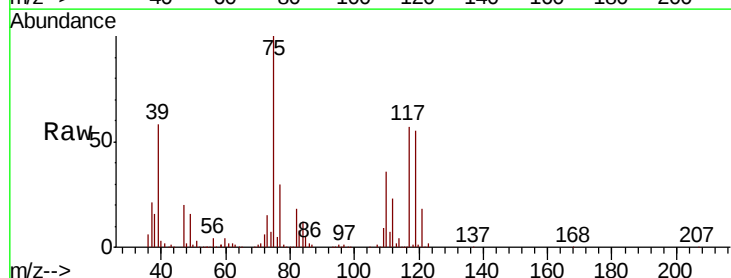
Tgt Ion: 75 Resp: 676836

Ion Ratio Lower Upper

75 100

110 36.2 18.6 55.8

77 30.4 25.0 37.4

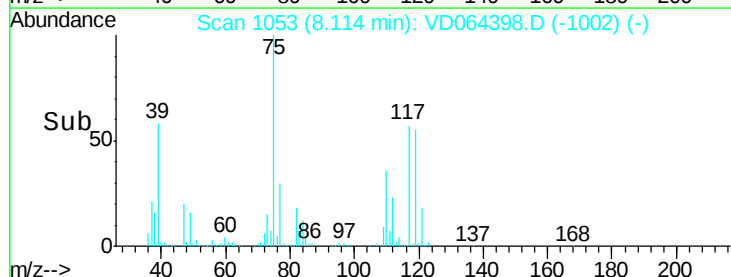
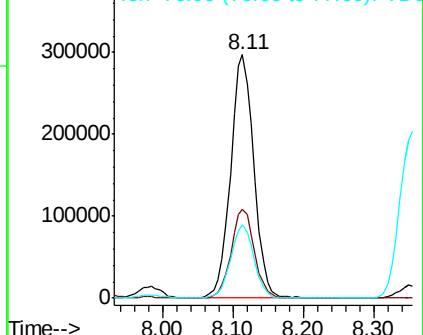


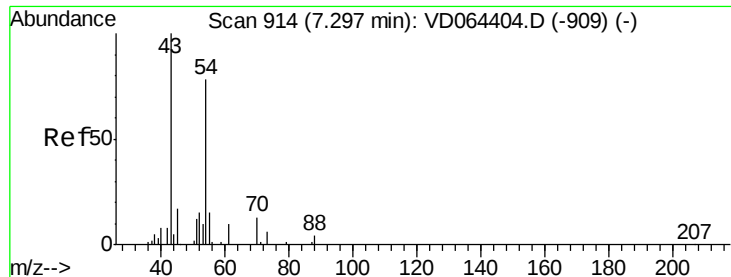
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





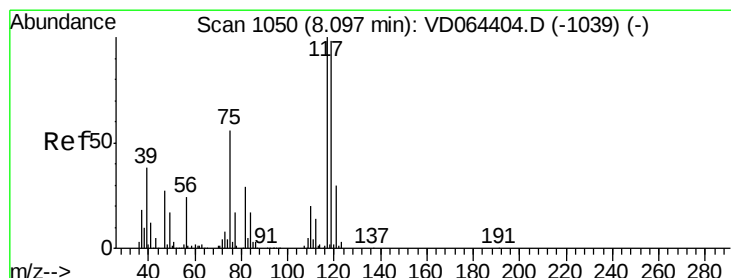
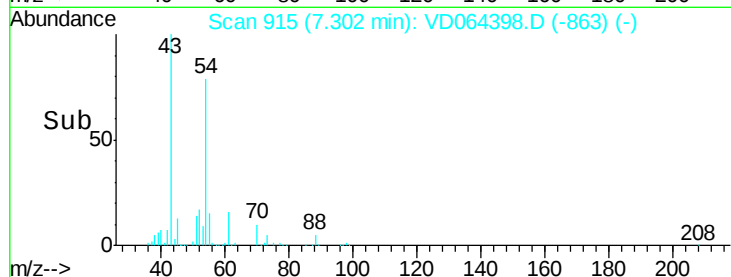
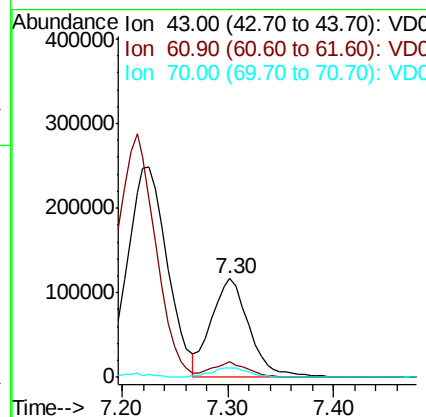
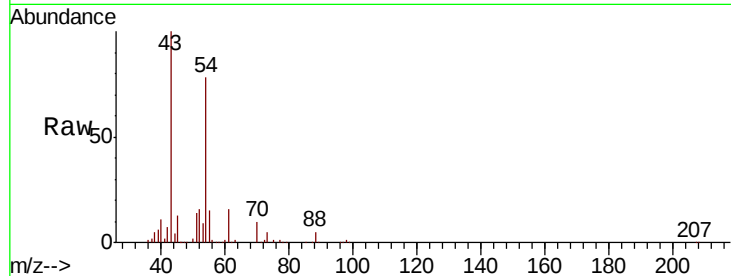
#37
Ethyl Acetate
Concen: 103.767 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.9	16.3
70	9.8	8.3	12.5

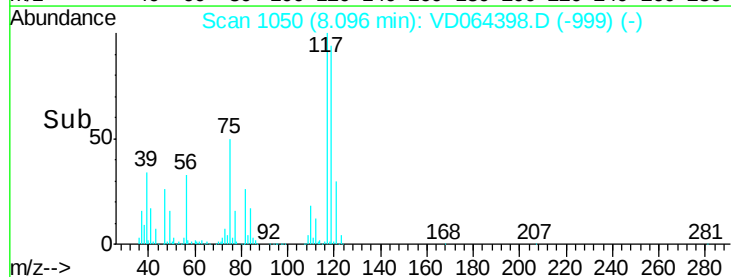
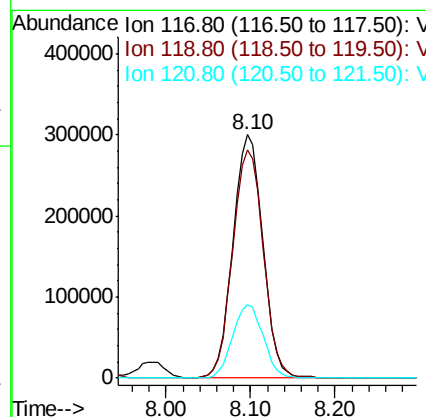
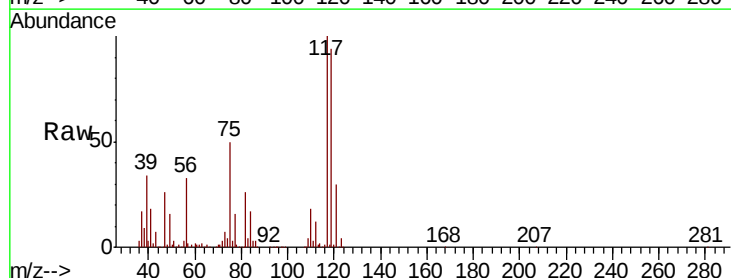
Manual Integrations
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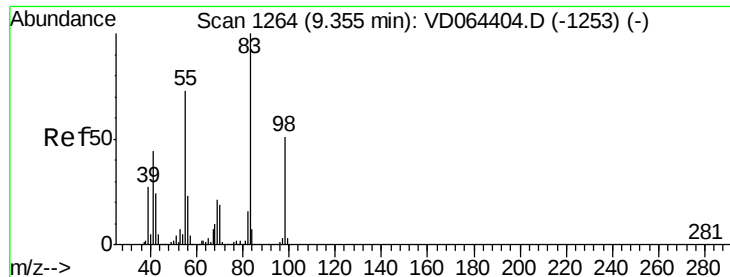
apatel
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#38
Carbon Tetrachloride
Concen: 105.994 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.8	118.2
121	30.4	24.2	36.2





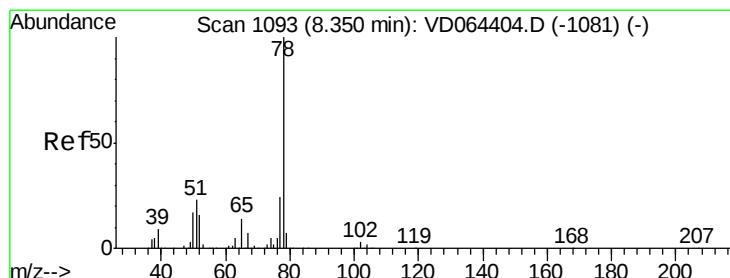
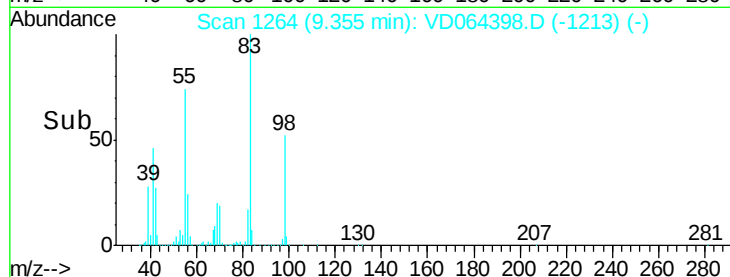
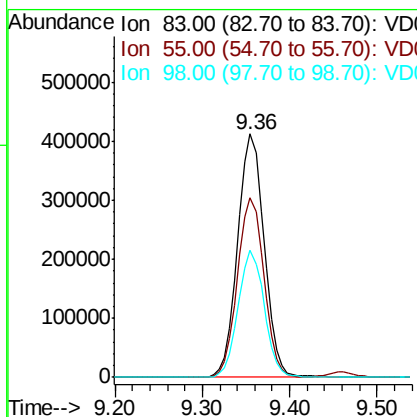
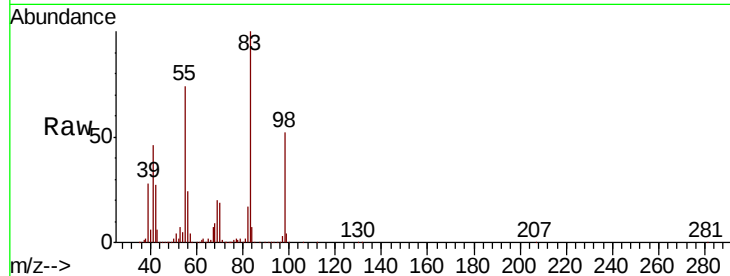
#39
Methylvlcyclohexane
Concen: 104.223 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleID :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	58.6	87.8
98	52.4	40.9	61.3

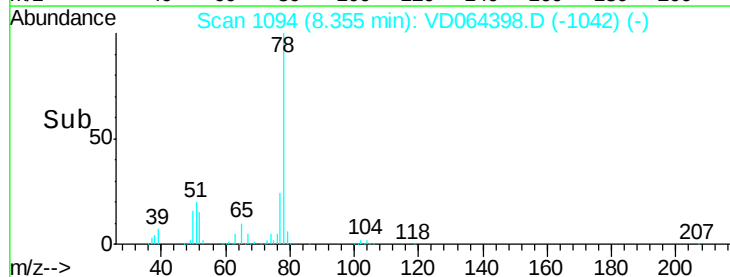
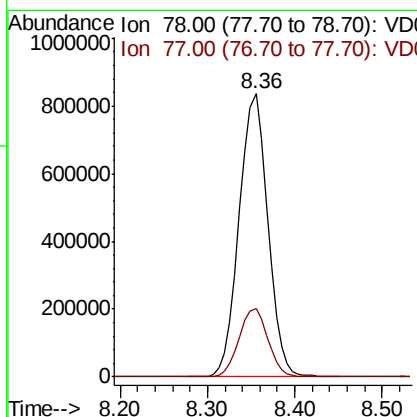
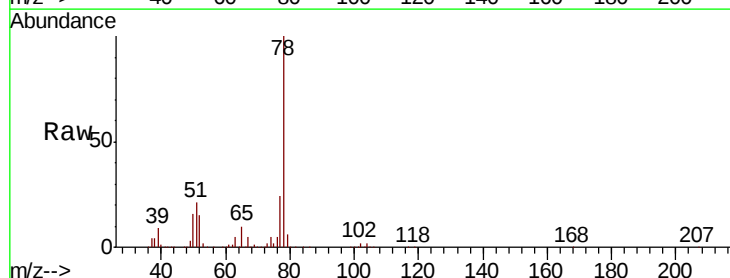
Manual Integrations
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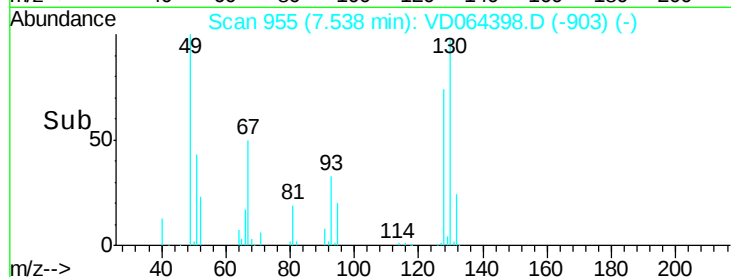
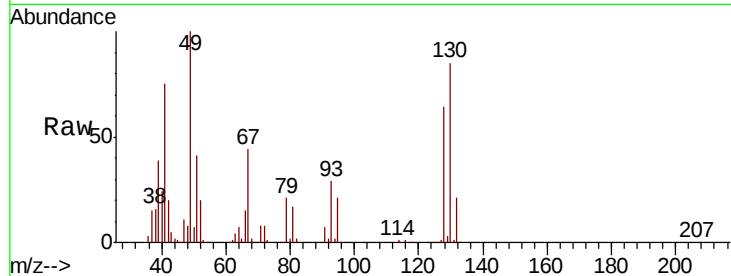
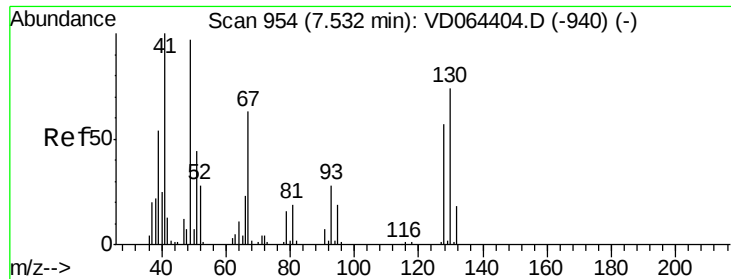
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#40
Benzene
Concen: 102.322 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

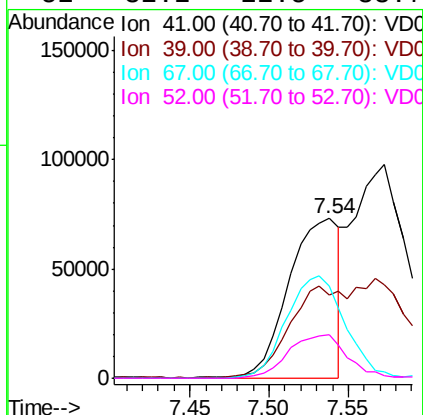
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.6	29.4





#41
Methacrylonitrile
Concen: 101.314 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

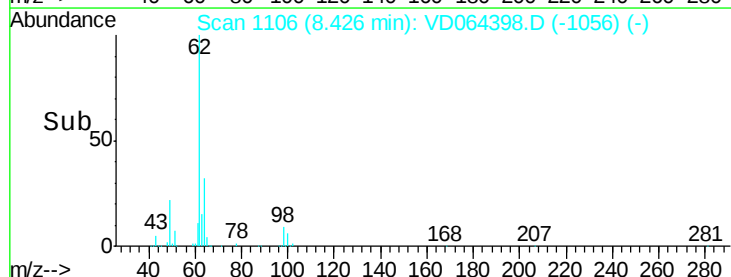
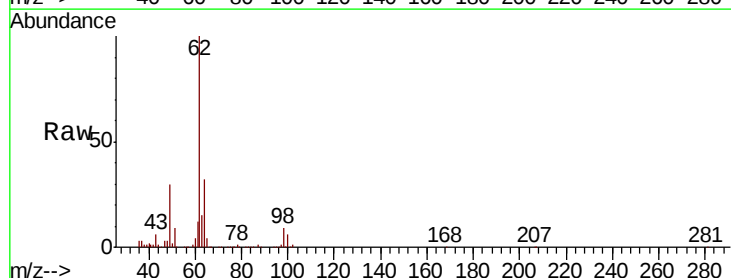
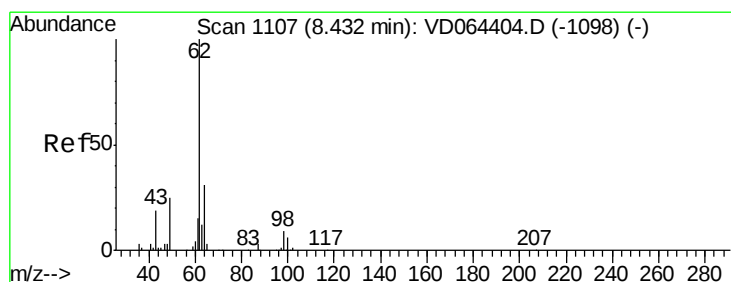
Tot Ion	Ratio	Lower	Upper
41	100		
39	63.7	44.6	67.0
67	75.4	50.9	76.3
52	32.2	22.5	33.7



Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

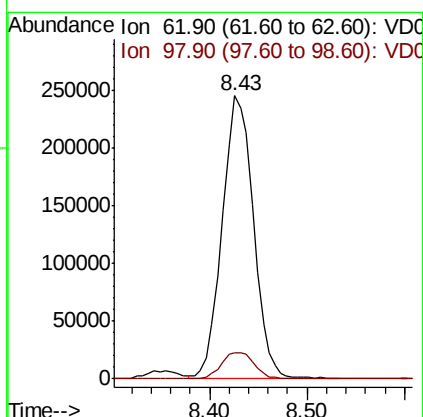
Manual Integrations
APPROVED

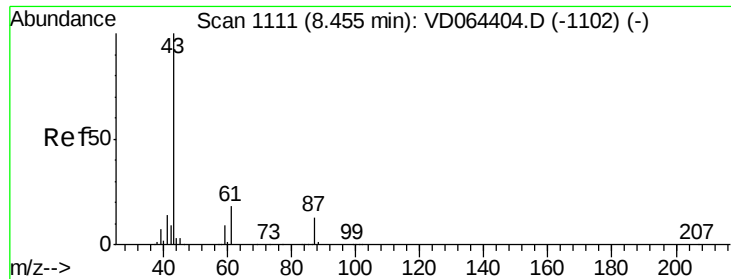
apatel
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#42
1,2-Dichloroethane
Concen: 102.761 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.6





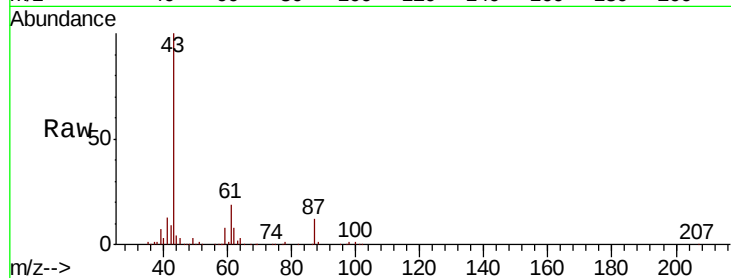
#43
Isopropyl Acetate
Concen: 106.125 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

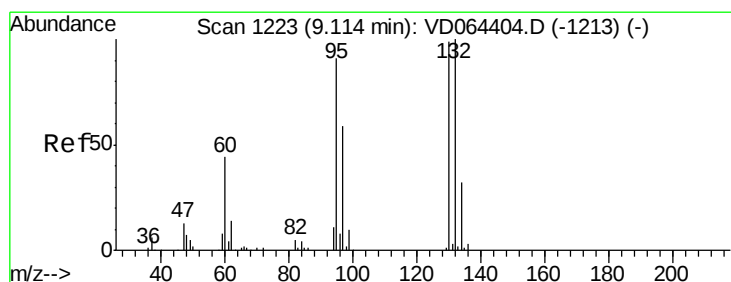
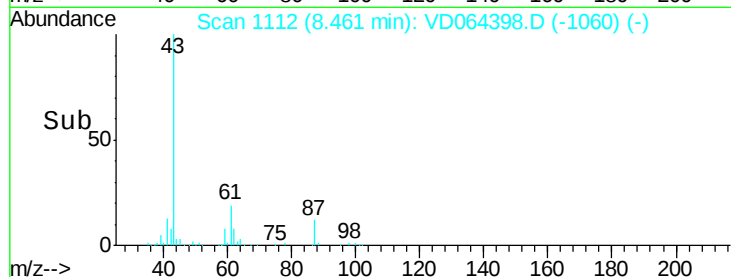
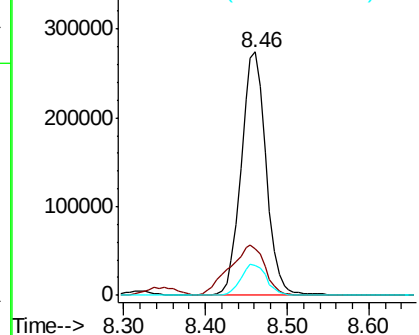
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	24.0	36.0
87	13.3	10.6	15.8

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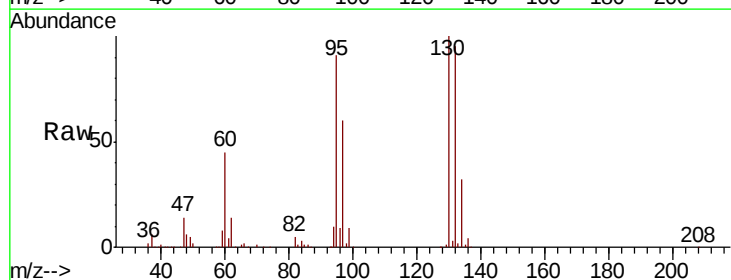


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

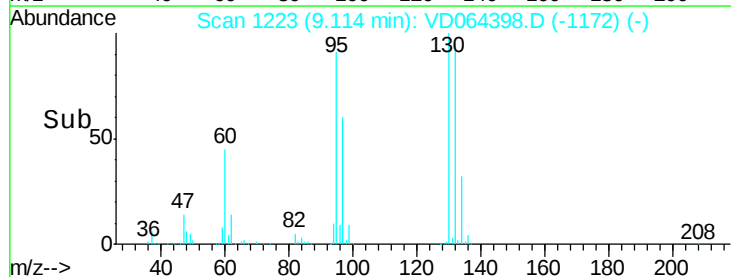
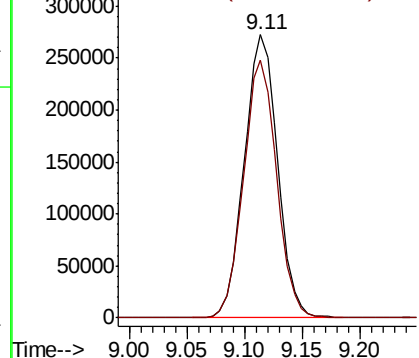


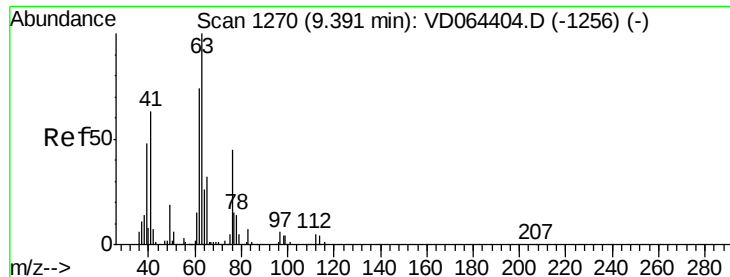
#44
Trichloroethene
Concen: 100.279 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	184.6



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





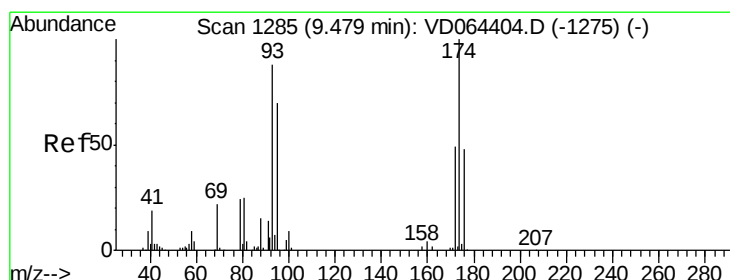
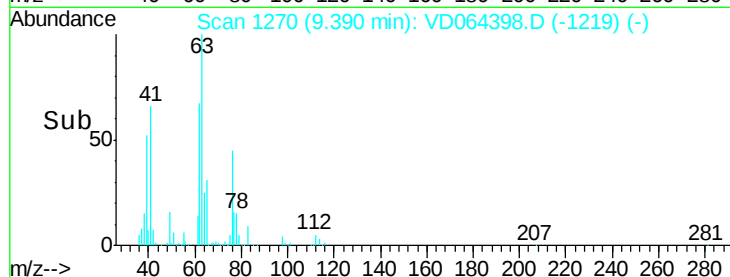
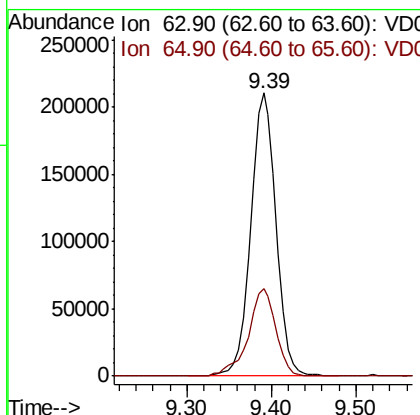
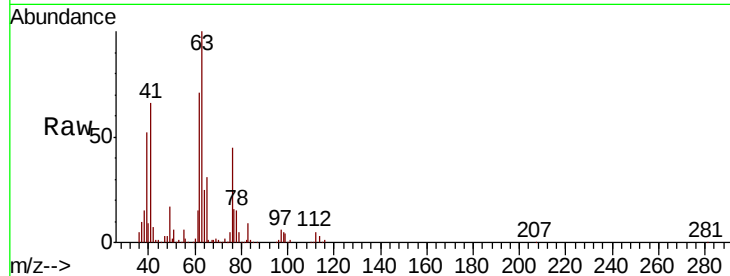
#45
 1,2-Dichloropropane
 Concen: 101.547 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 440809
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.4 38.0

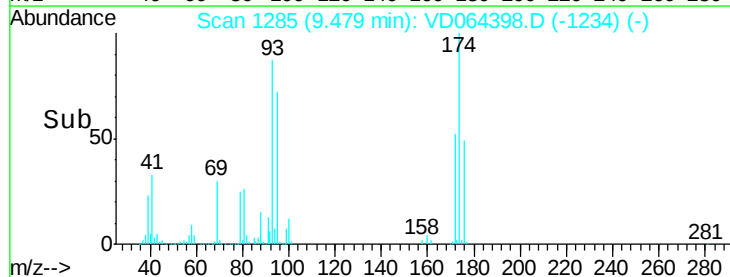
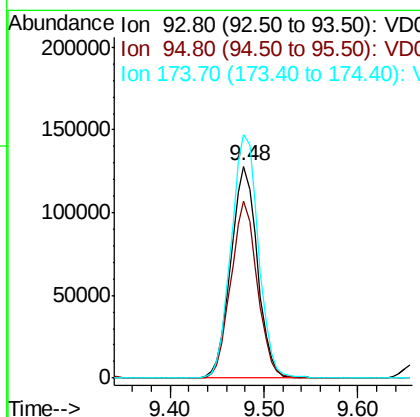
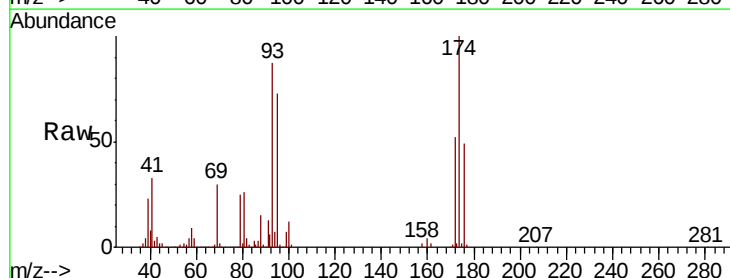
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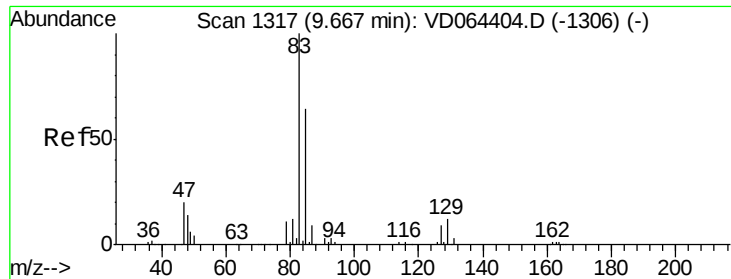
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#46
 Dibromomethane
 Concen: 102.939 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Tgt Ion: 93 Resp: 252202
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 117.7 92.3 138.5





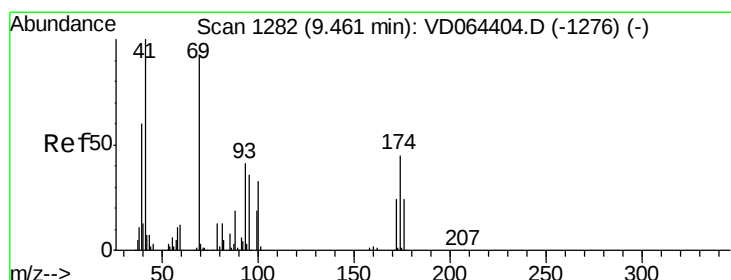
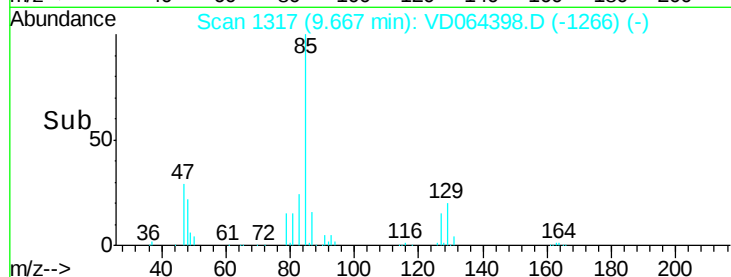
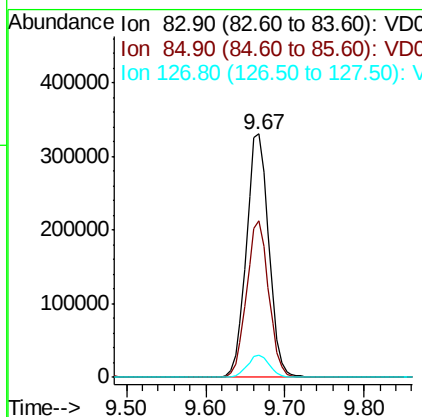
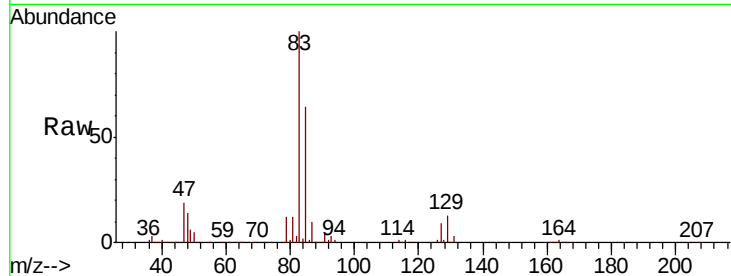
#47
Bromodichloromethane
Concen: 103.654 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	9.3	7.4	11.0

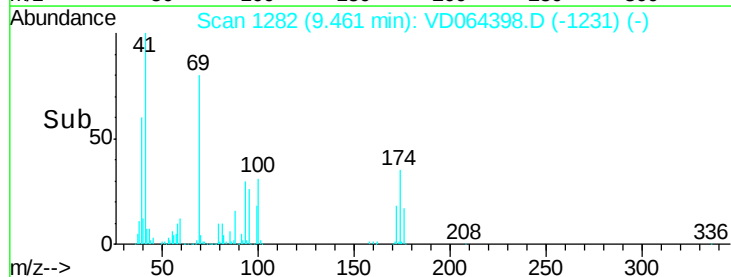
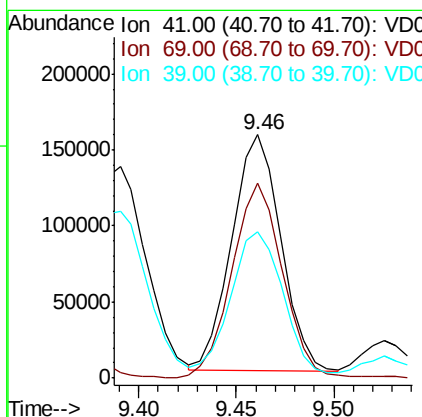
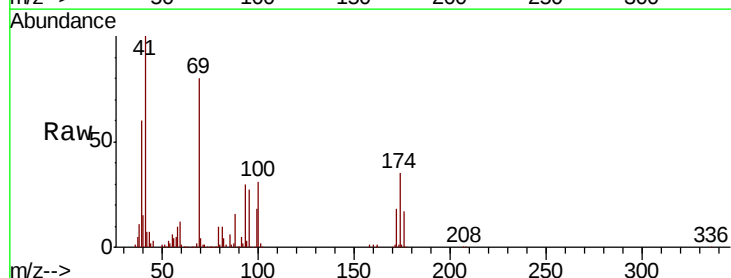
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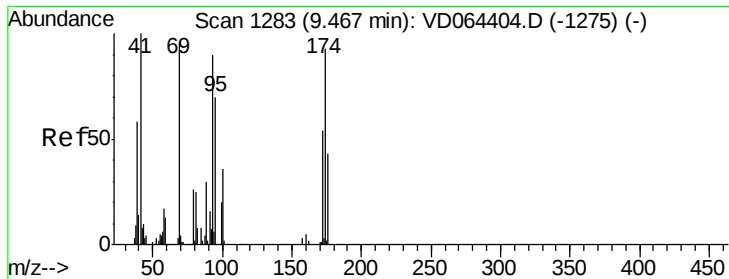
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#48
Methyl methacrylate
Concen: 108.505 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.5	72.0	108.0
39	62.2	55.2	82.8





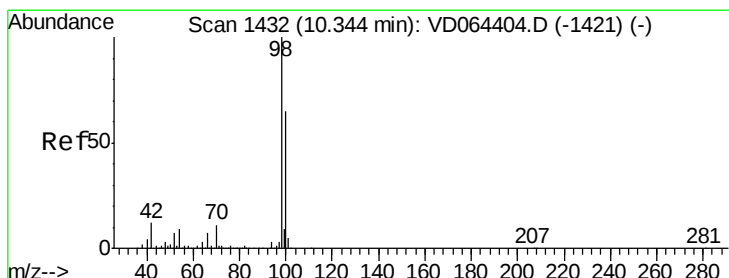
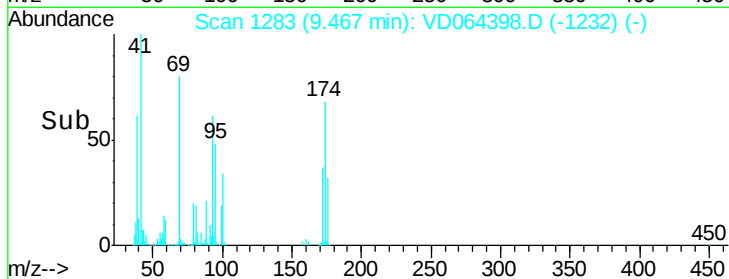
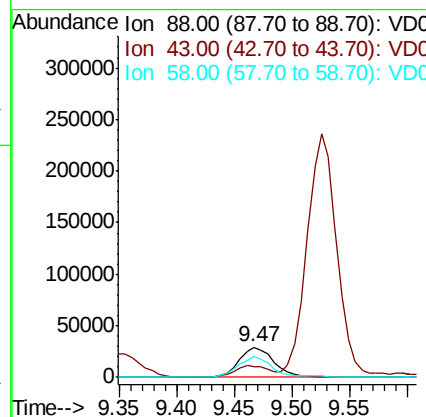
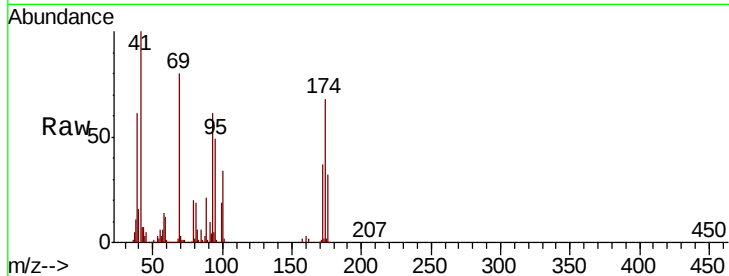
#49
1,4-Dioxane
Concen: 2050.401 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	62033
Ion	Ratio	Lower	Upper
88	100		
43	37.5	26.7	40.1
58	67.7	52.3	78.5

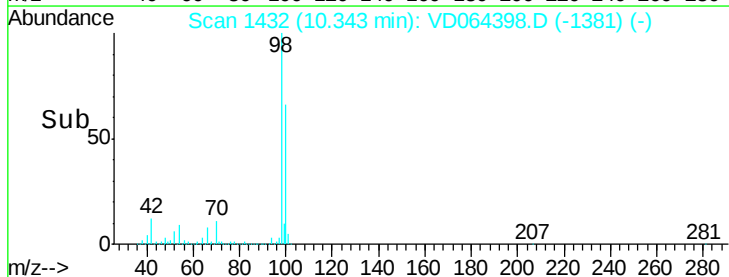
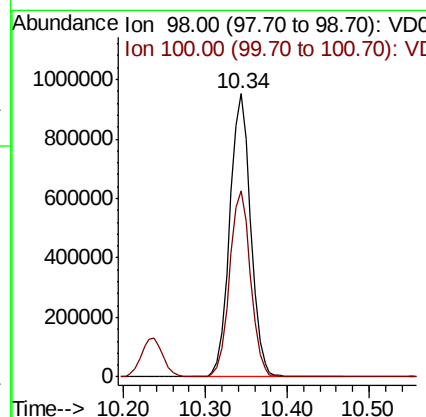
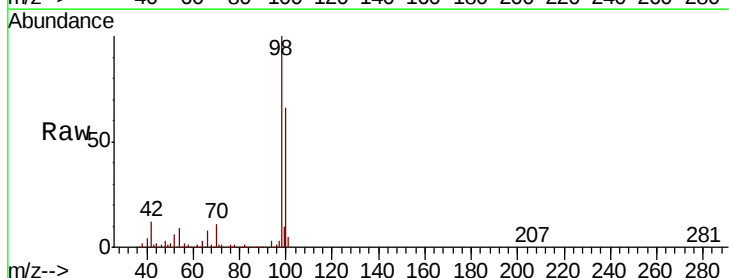
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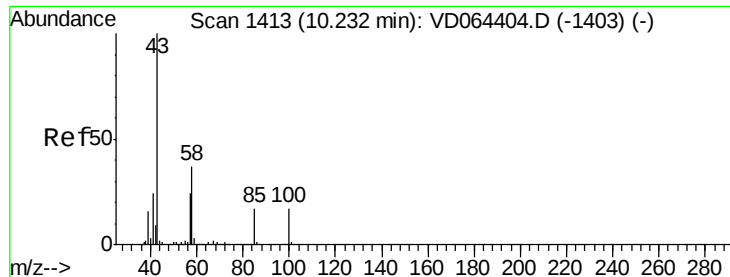
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#50
Toluene-d8
Concen: 103.362 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion	98	Resp	1694914
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 531.059 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1432651

Ion Ratio Lower Upper

43 100

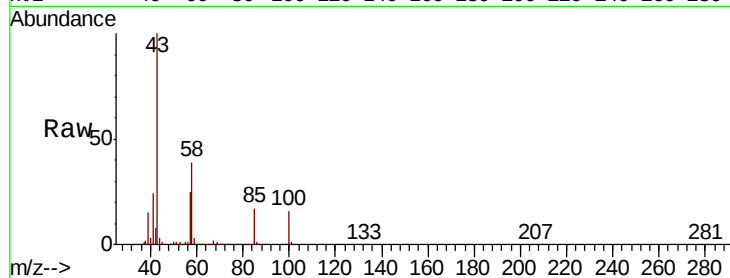
58 38.5 30.6 46.0

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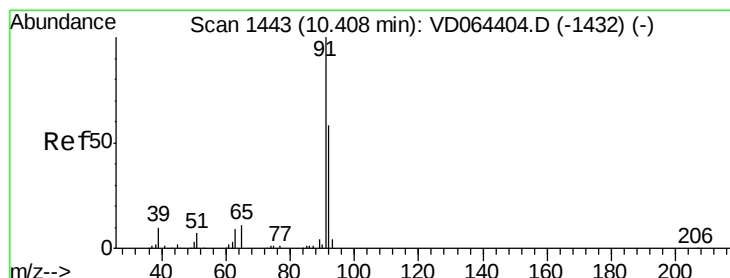
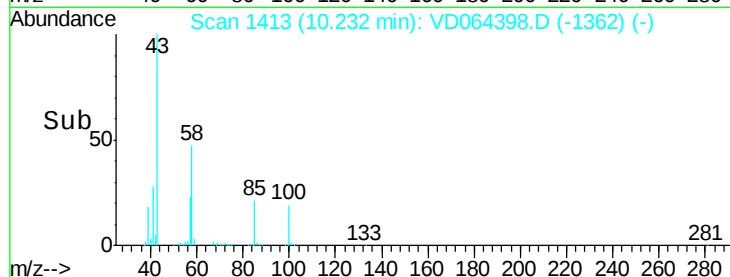
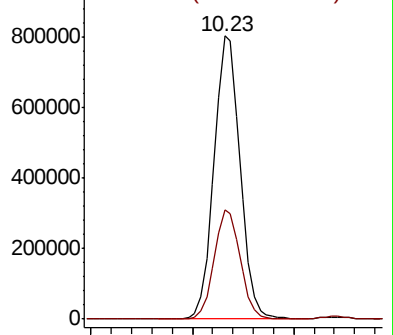
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 102.715 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064398.D

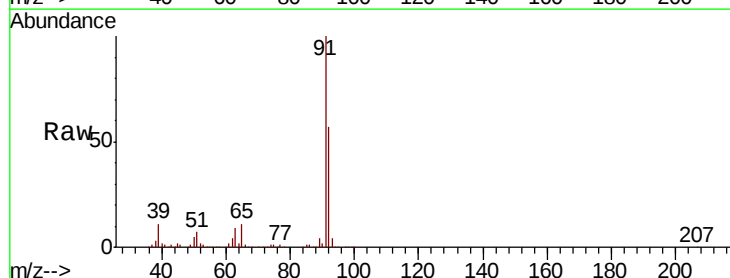
Acq: 27 Nov 2019 16:03

Tgt Ion: 92 Resp: 1215017

Ion Ratio Lower Upper

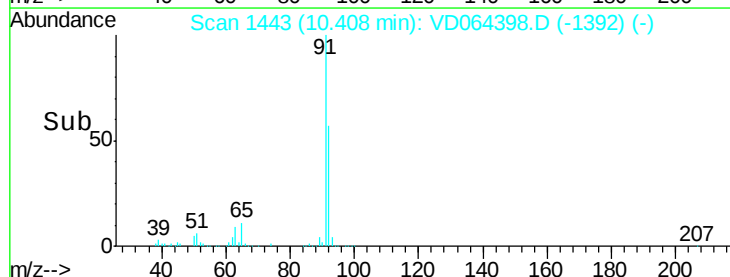
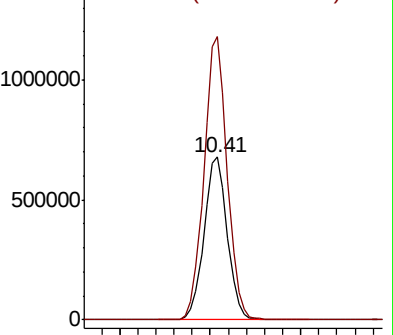
92 100

91 173.3 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





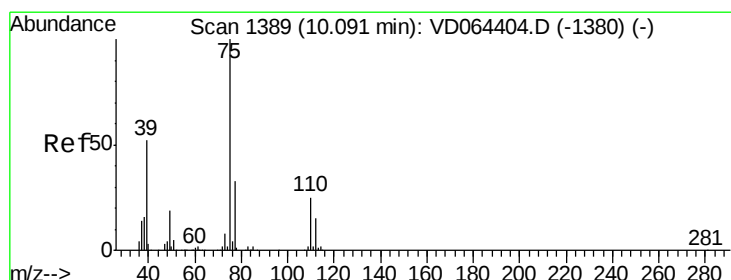
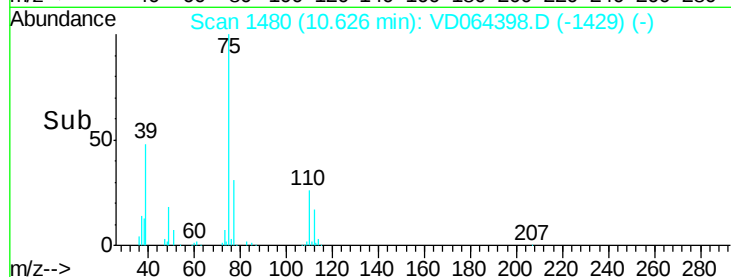
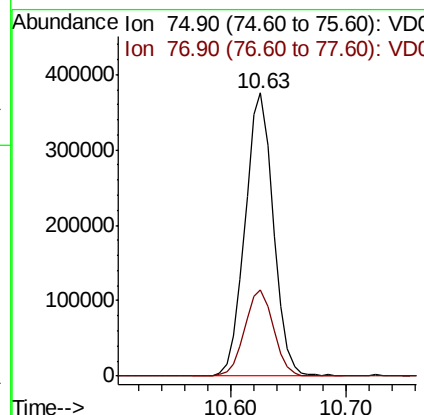
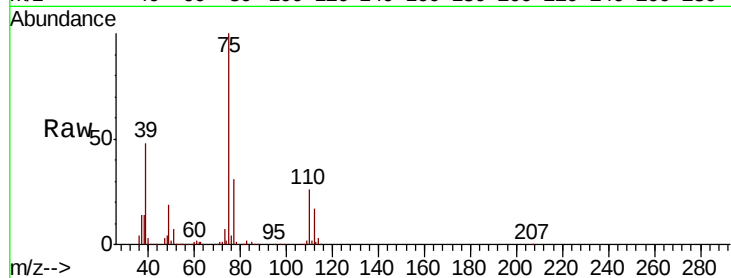
#53
t-1,3-Dichloropropene
Concen: 106.518 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.4

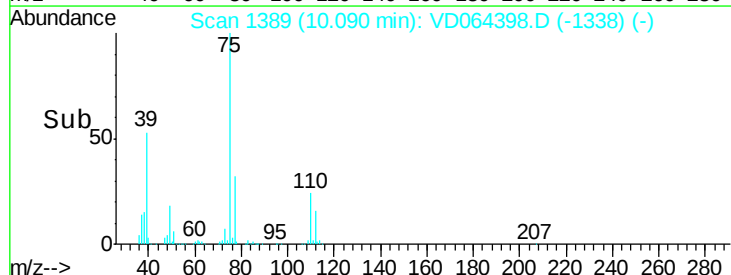
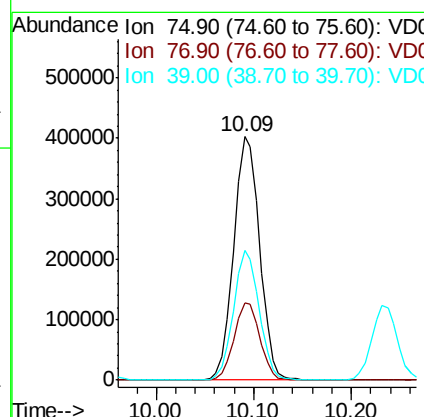
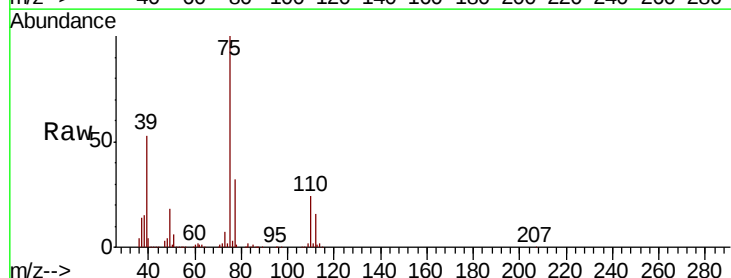
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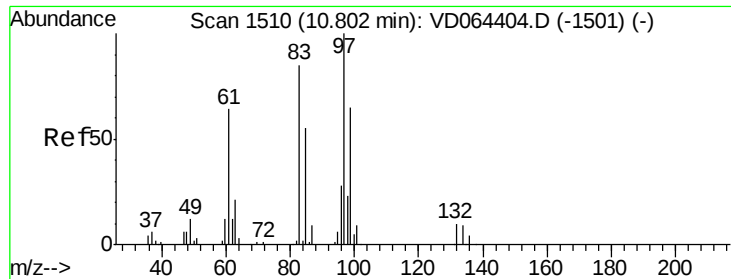
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#54
cis-1,3-Dichloropropene
Concen: 104.378 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.1	39.1
39	53.4	41.5	62.3





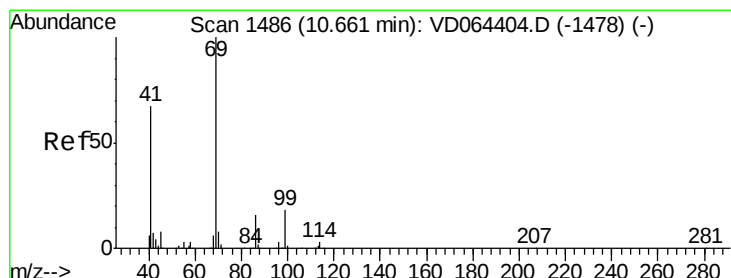
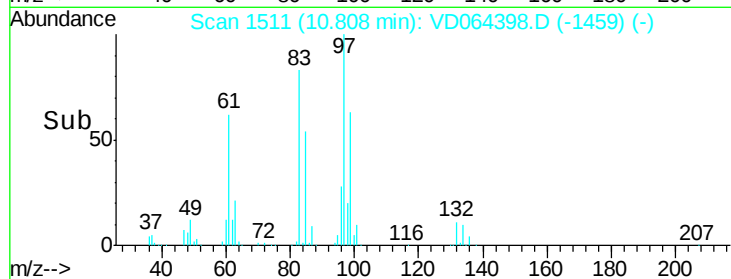
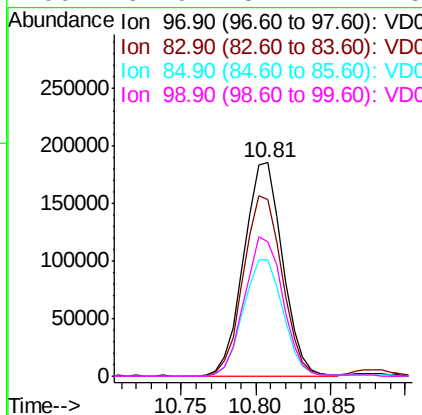
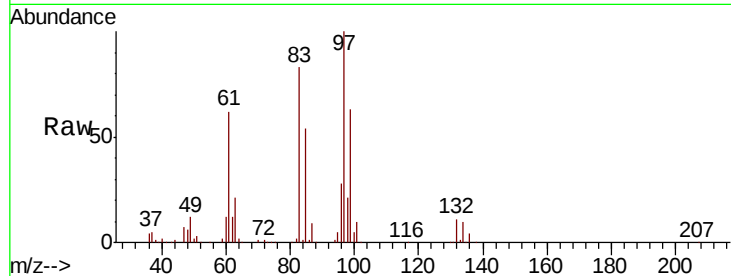
#55
 1,1,2-Trichloroethane
 Concen: 99.257 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Tot Ion:	97	Resp:	332985
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.8	101.8
85	54.5	43.7	65.5
99	62.9	51.7	77.5

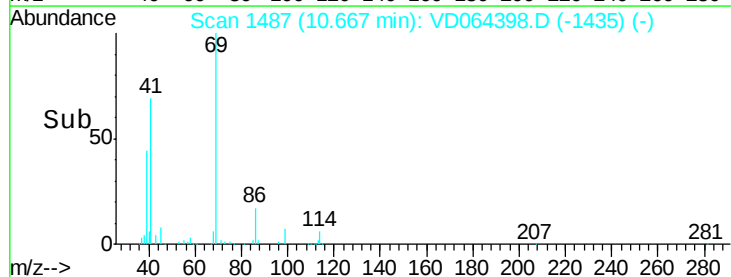
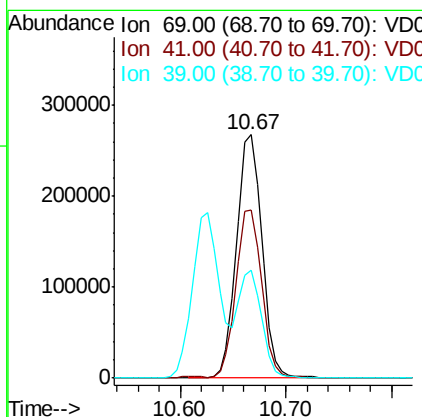
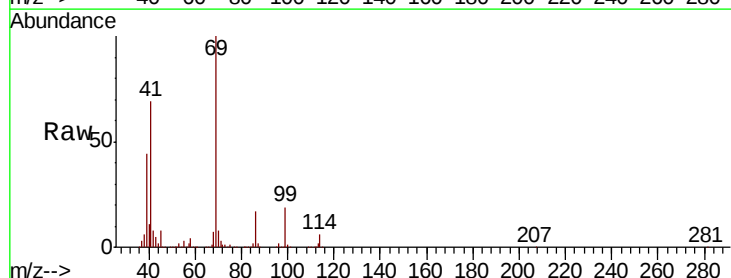
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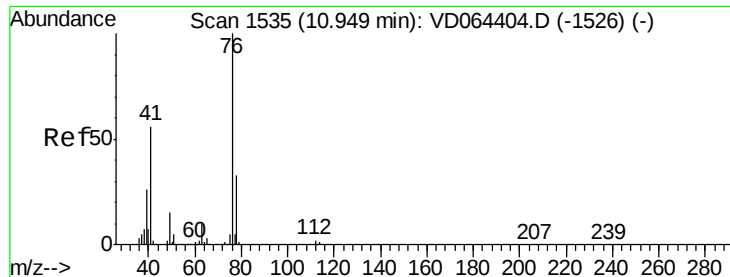
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#56
 Ethyl methacrylate
 Concen: 104.279 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Tgt Ion:	69	Resp:	446188
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.0	82.4
39	39.1	33.0	49.6





#57

1,3-Dichloropropane

Concen: 101.980 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 582381

Ion Ratio Lower Upper

76 100

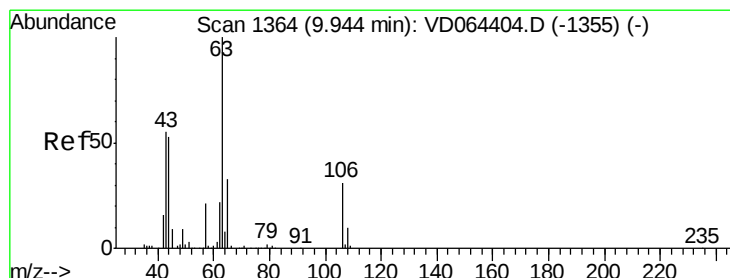
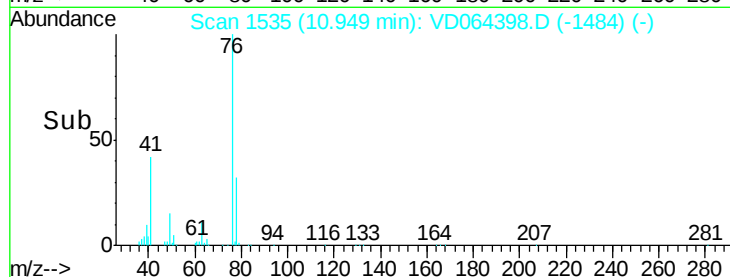
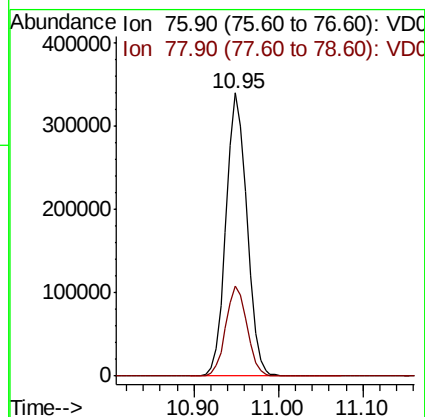
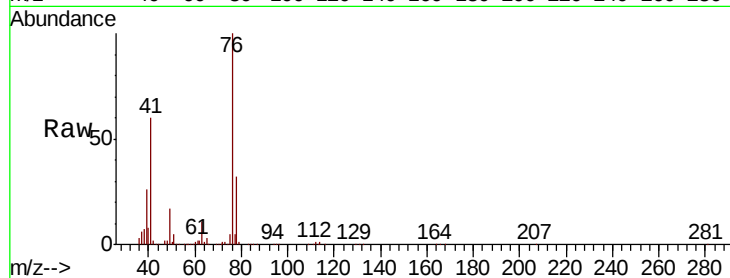
78 32.3 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 471.236 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064398.D

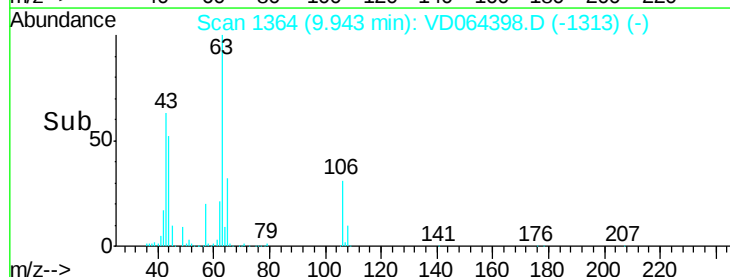
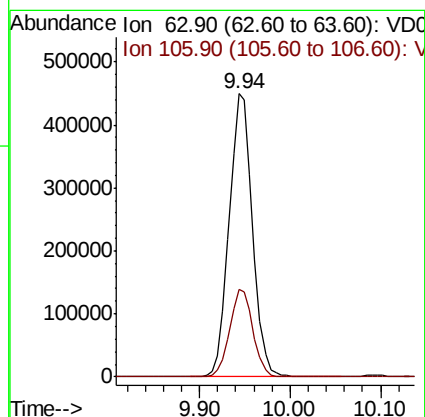
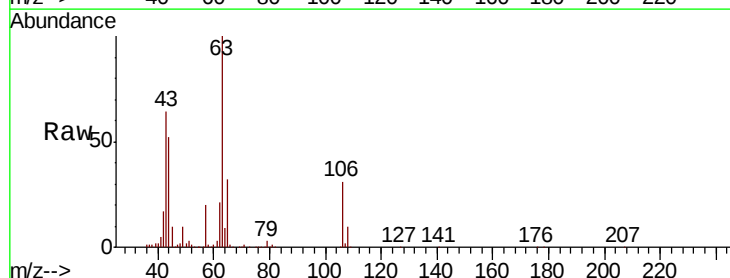
Acq: 27 Nov 2019 16:03

Tgt Ion: 63 Resp: 803785

Ion Ratio Lower Upper

63 100

106 30.7 24.2 36.4





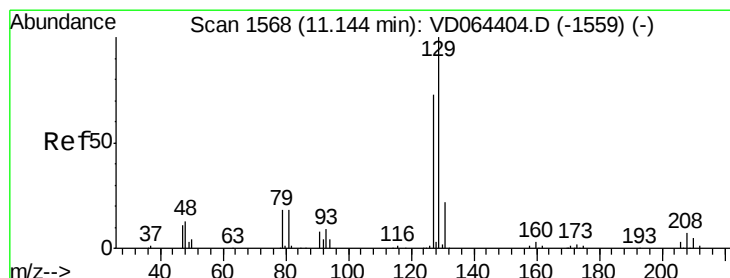
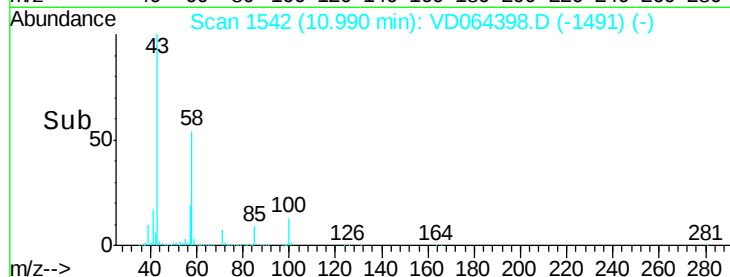
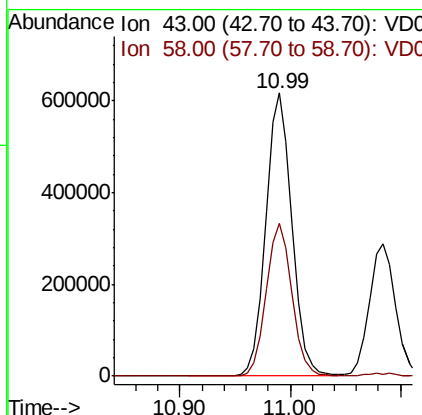
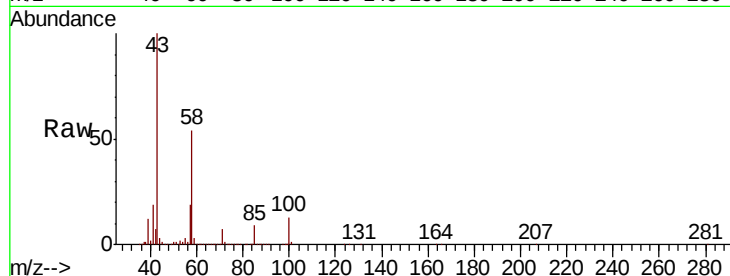
#59
2-Hexanone
Concen: 542.879 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1016228
Ion Ratio Lower Upper
43 100
58 53.6 26.3 78.8

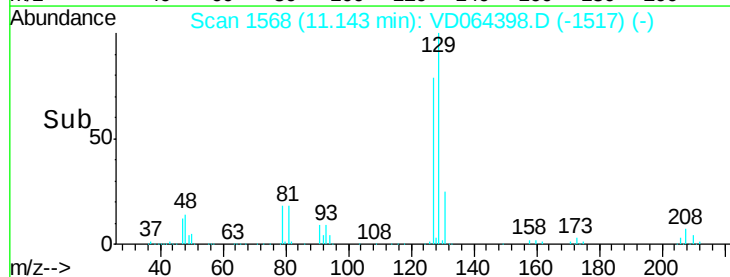
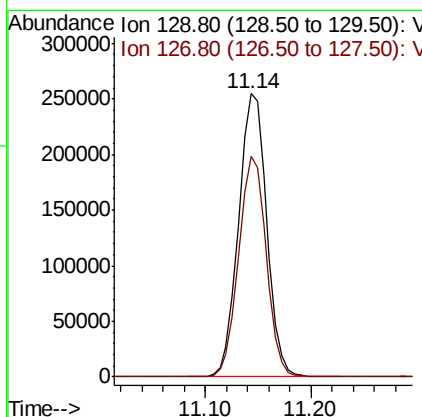
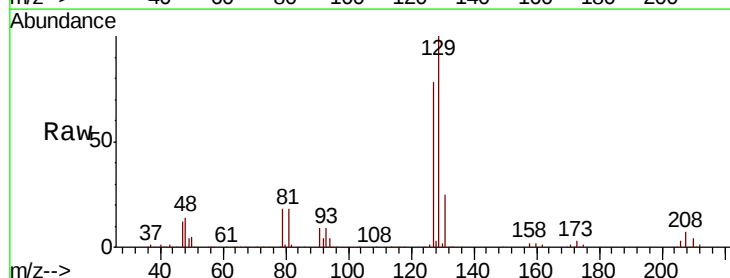
Manual Integrations
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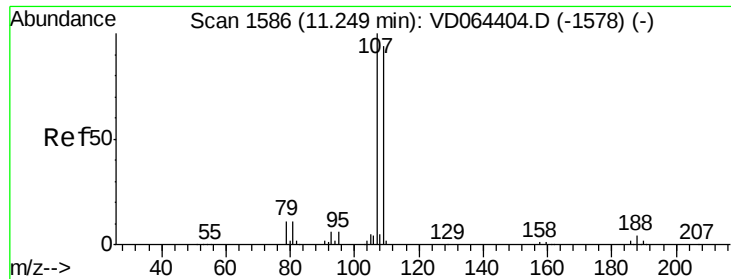
apatel
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#60
Dibromochloromethane
Concen: 103.202 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 129 Resp: 469422
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





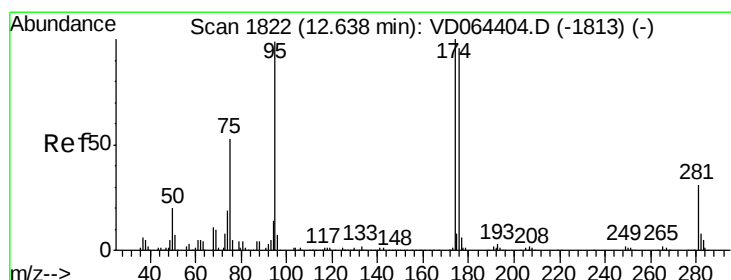
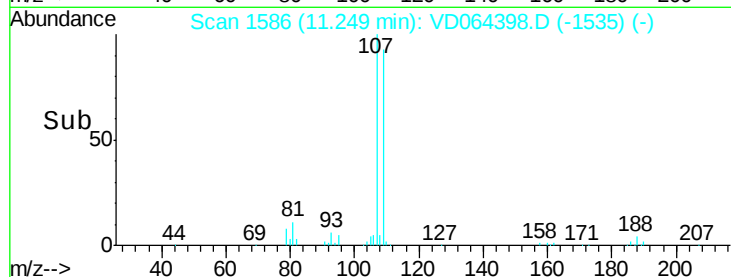
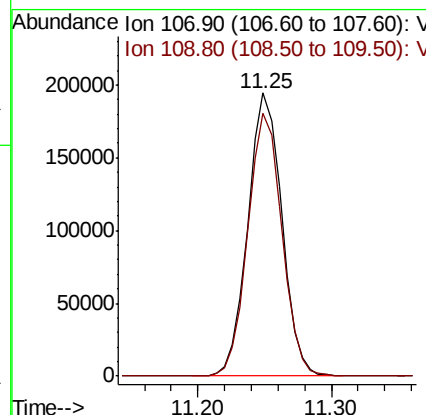
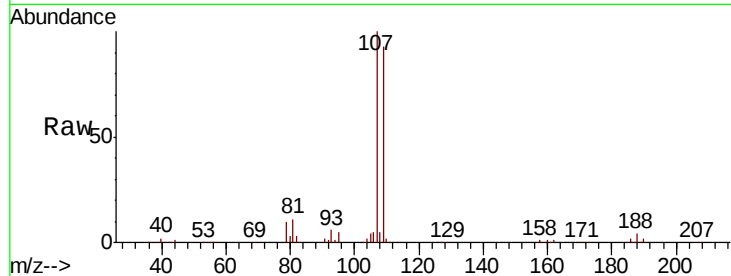
#61
 1,2-Dibromoethane
 Concen: 101.969 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	341556		
109	93.5	76.2	114.2	

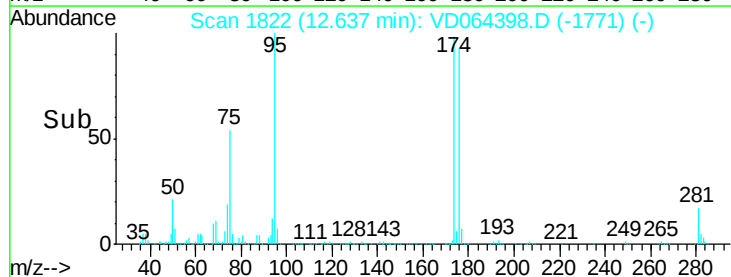
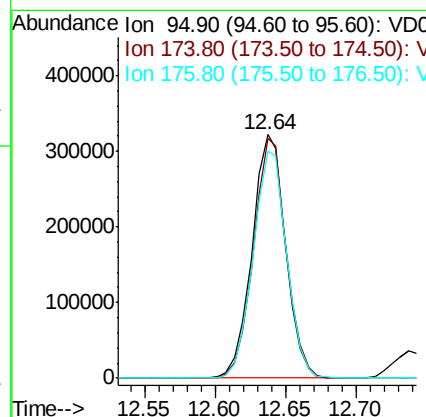
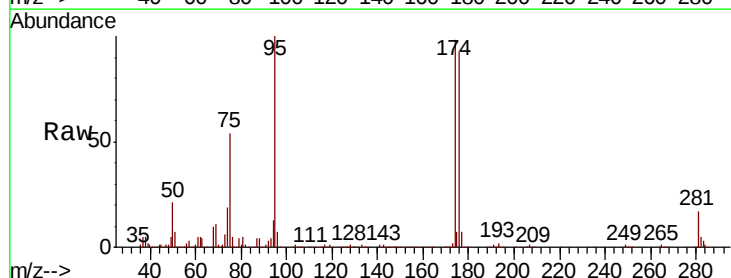
Manual Integrations
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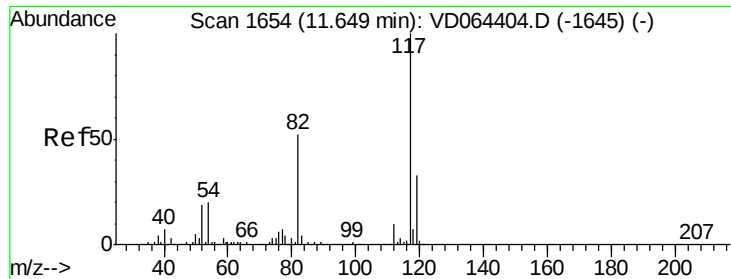
apatel
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#62
 4-Bromofluorobenzene
 Concen: 101.227 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	533447		
174	96.9	0.0	197.2	
176	94.1	0.0	189.6	





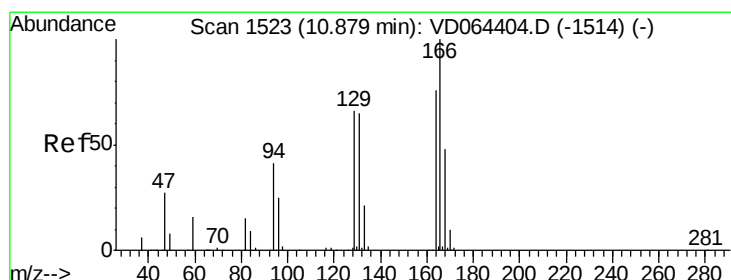
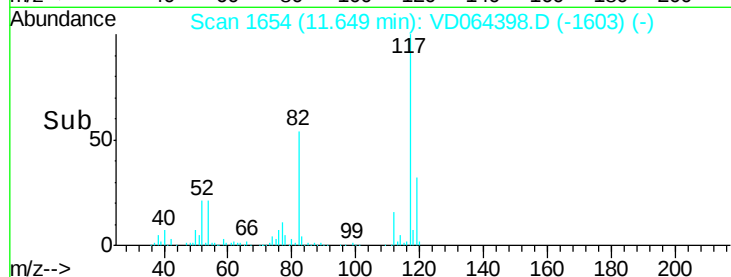
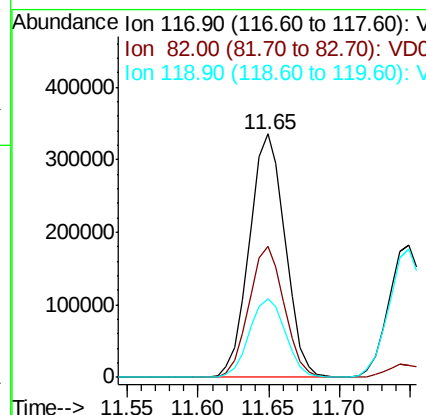
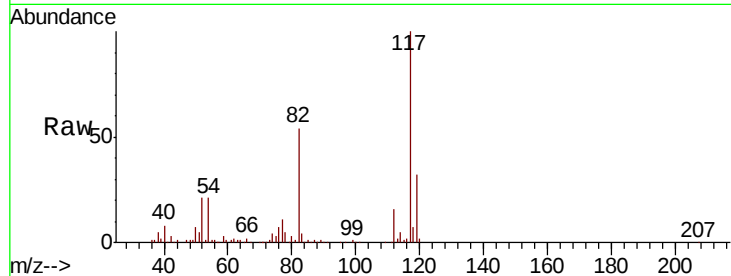
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	597801		
82	53.6		41.4	62.2
119	32.1		26.2	39.2

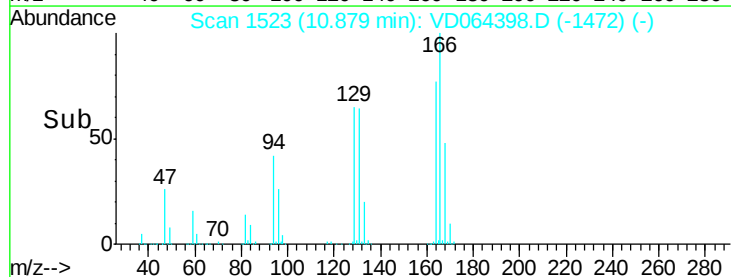
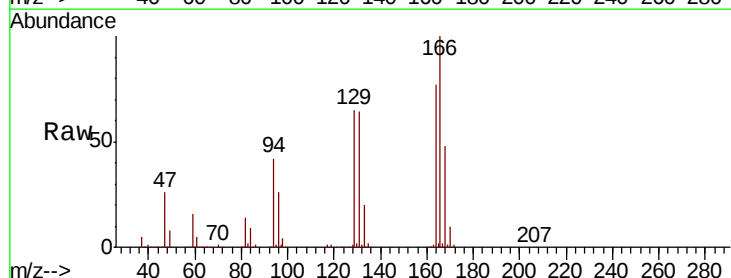
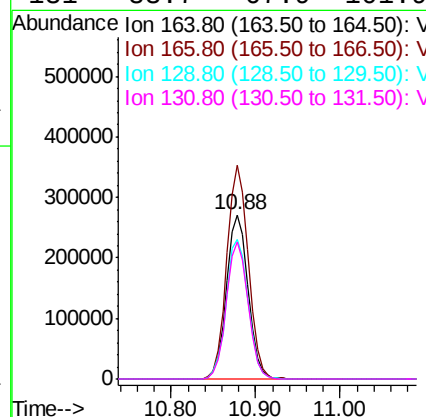
Manual Integrations
APPROVED

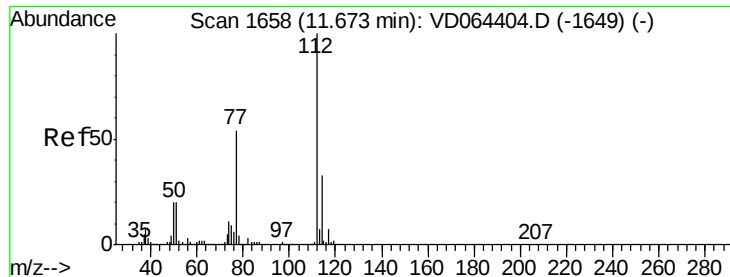
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#64
Tetrachloroethene
Concen: 105.119 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	479204		
166	130.2		104.8	157.2
129	85.2		68.7	103.1
131	83.7		67.9	101.9





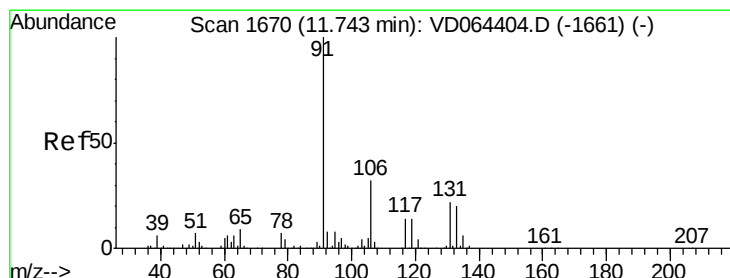
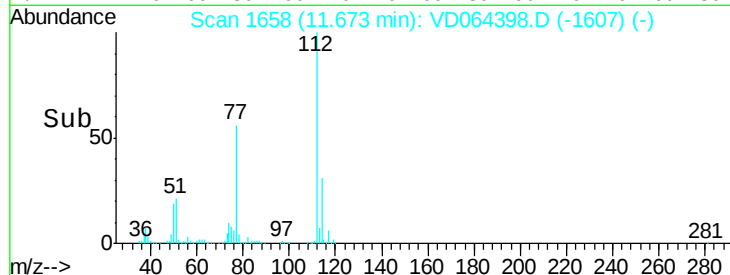
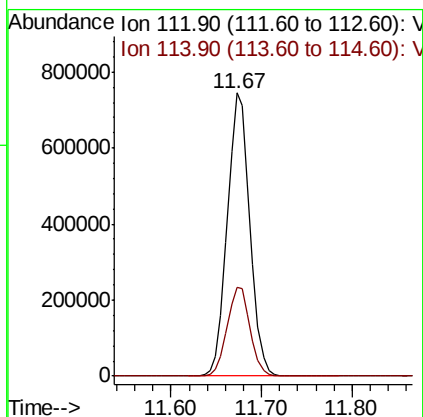
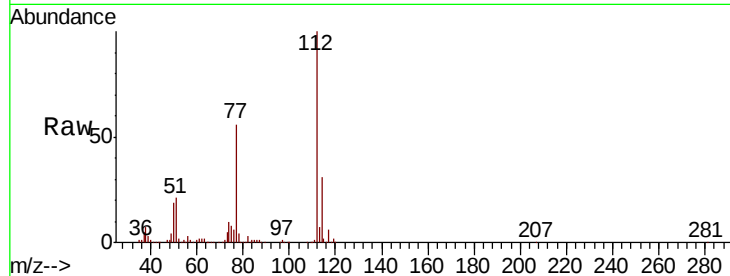
#65
Chlorobenzene
Concen: 102.803 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1281767
Ion Ratio Lower Upper
112 100
114 31.4 26.5 39.7

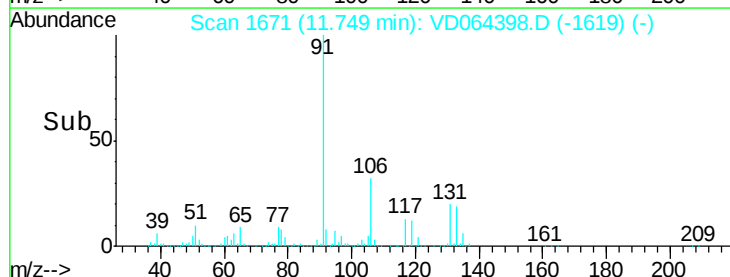
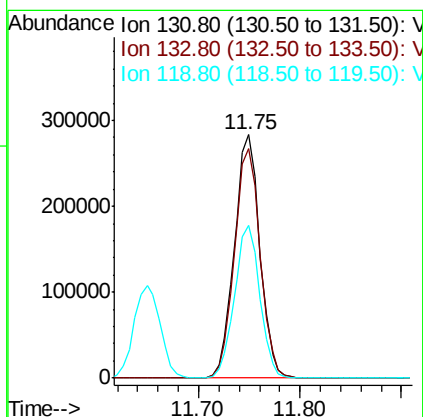
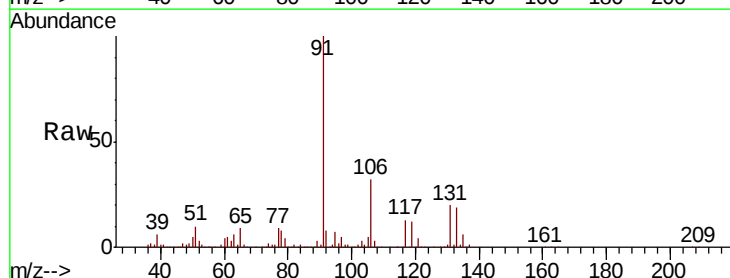
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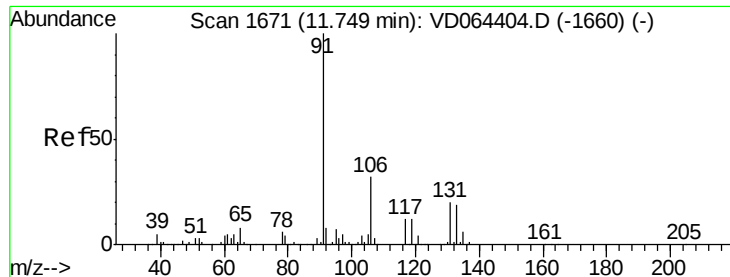
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#66
1,1,1,2-Tetrachloroethane
Concen: 106.888 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion:131 Resp: 493347
Ion Ratio Lower Upper
131 100
133 95.5 48.3 144.9
119 62.8 31.9 95.9





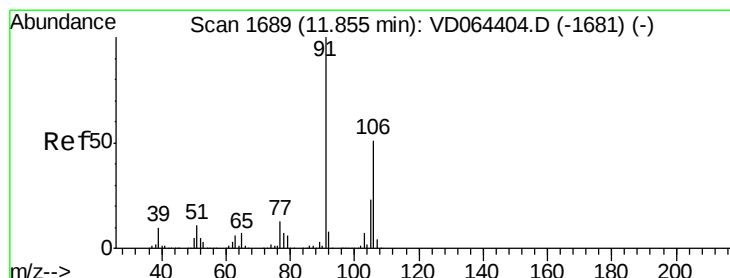
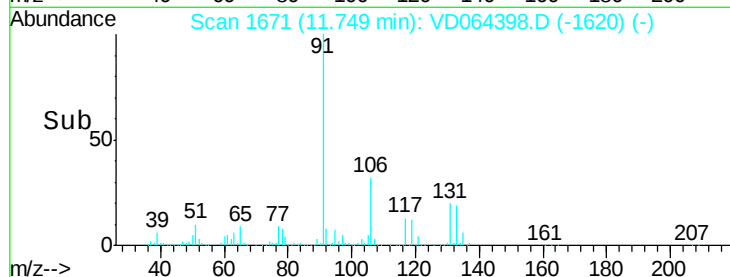
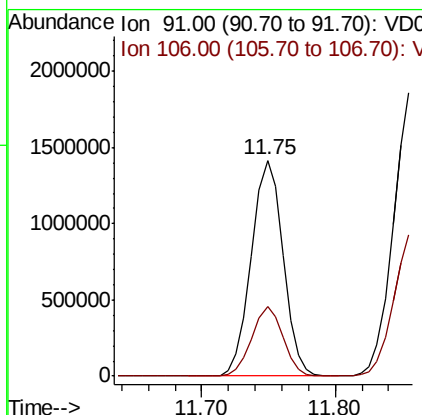
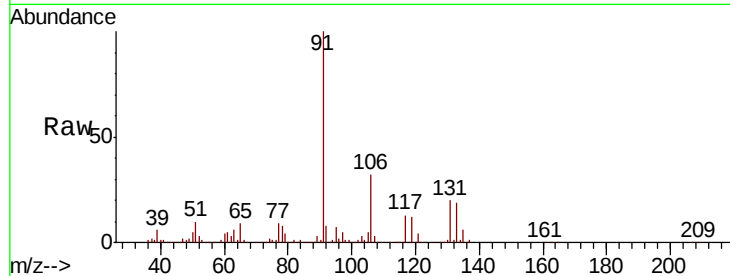
#67
Ethyl Benzene
Concen: 105.090 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2331291
Ion Ratio Lower Upper
91 100
106 32.3 25.8 38.8

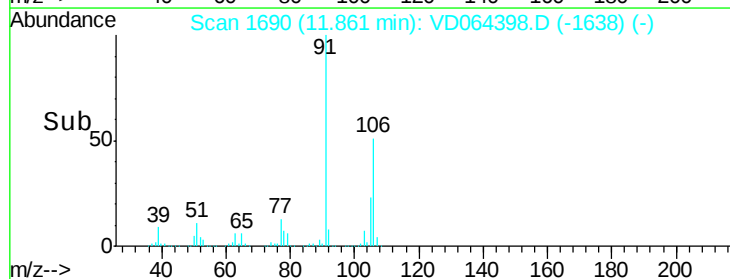
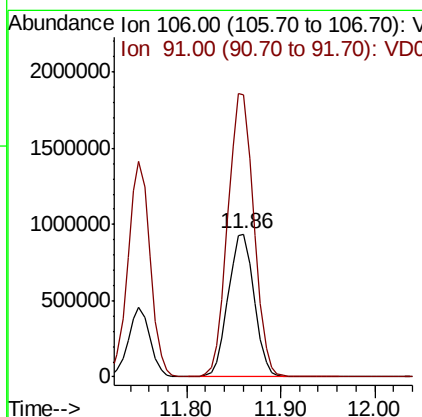
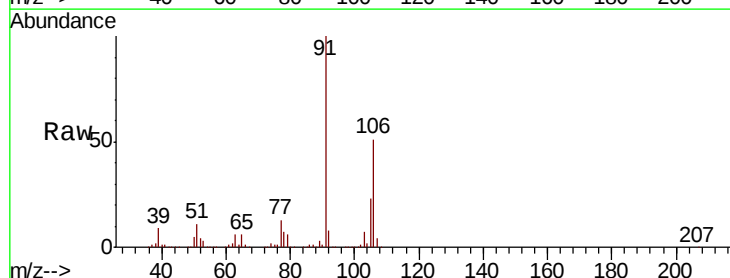
Manual Integrations
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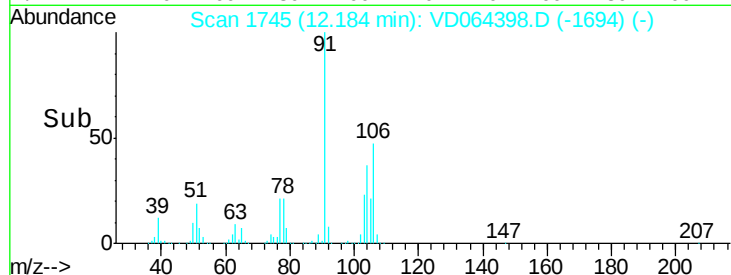
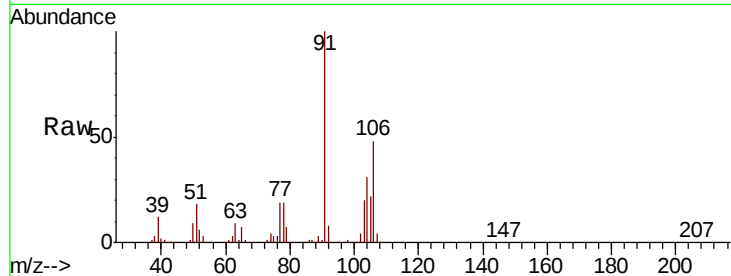
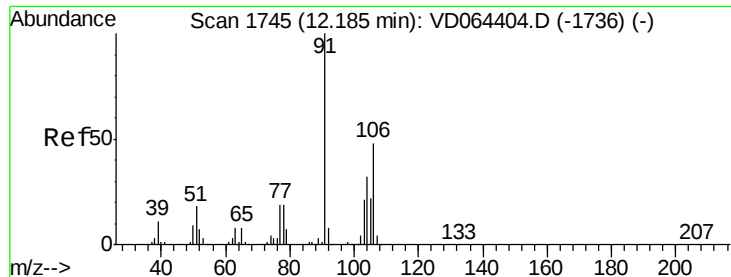
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#68
m/p-Xylenes
Concen: 213.364 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 106 Resp: 1804727
Ion Ratio Lower Upper
106 100
91 198.4 157.4 236.2





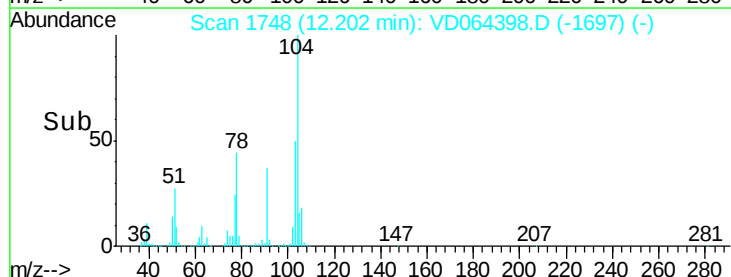
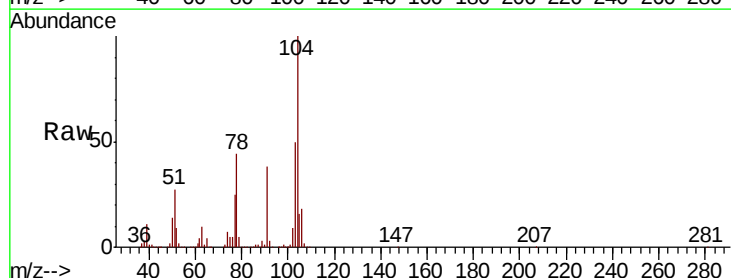
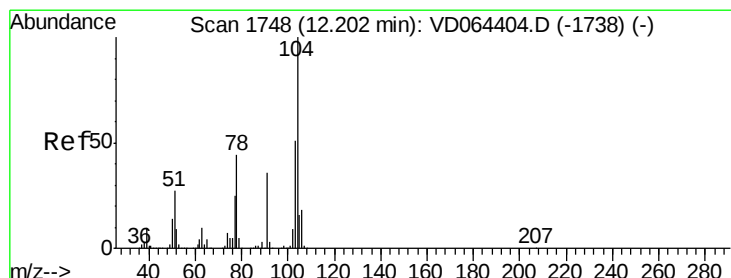
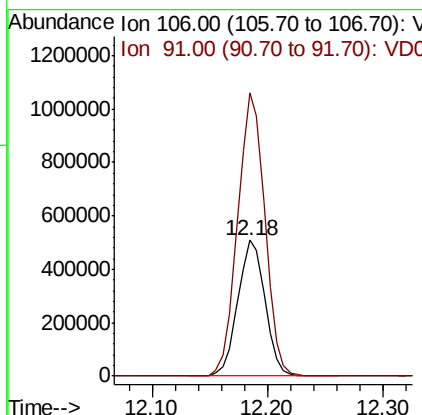
#69
o-Xylene
Concen: 106.456 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tot Ion:106 Resp: 831616
Ion Ratio Lower Upper
106 100
91 208.2 103.8 311.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

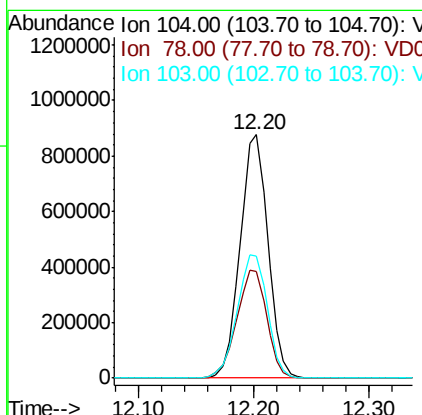
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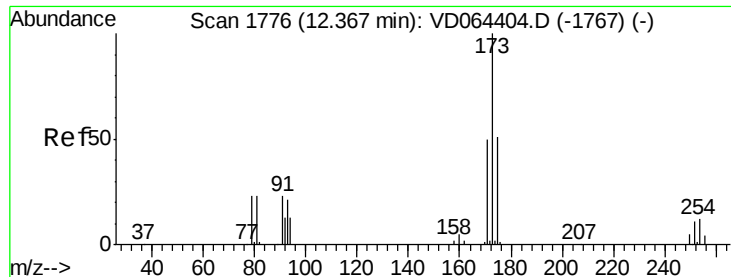
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#70
Styrene
Concen: 108.269 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion:104 Resp: 1469767
Ion Ratio Lower Upper
104 100
78 48.0 38.8 58.2
103 55.0 44.2 66.4





#71

Bromoform

Concen: 106.417 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

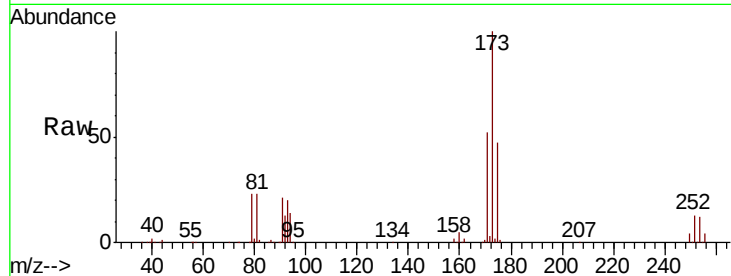
ClientSampleId :

VSTDIC100

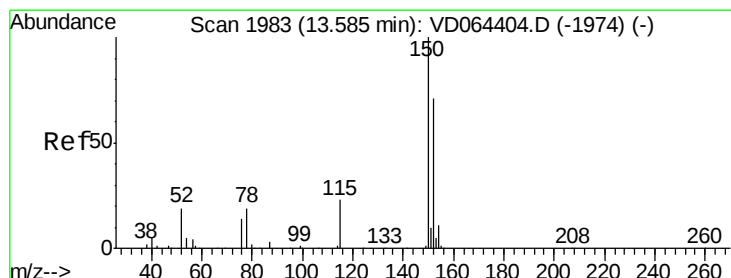
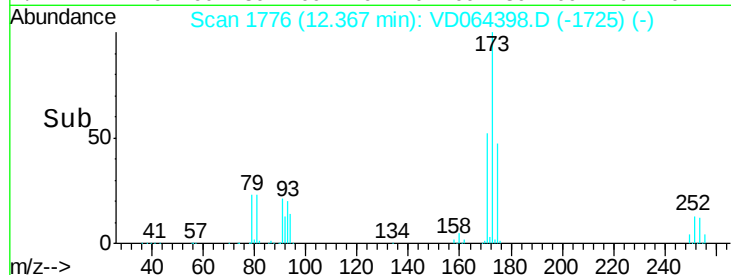
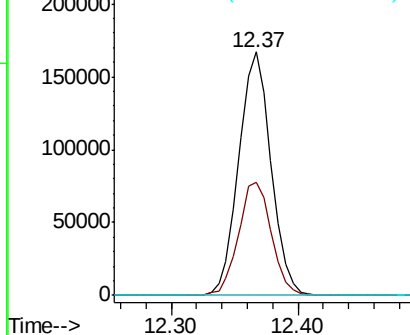
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	25.3	75.8
254	0.1	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

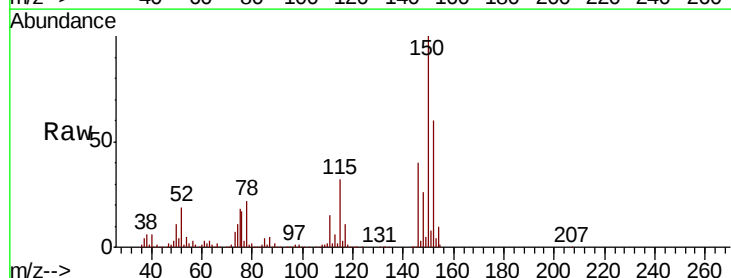
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

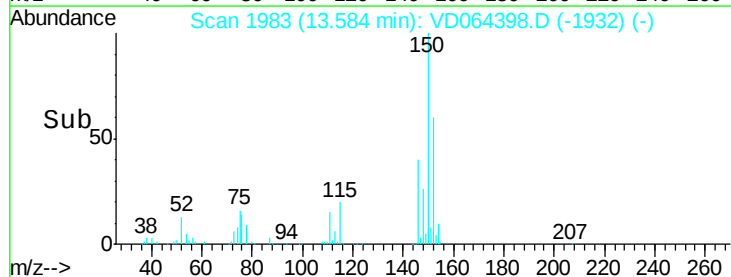
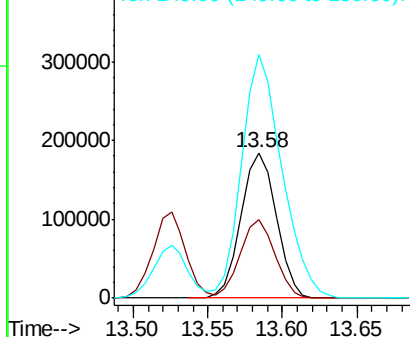
Lab File: VD064398.D

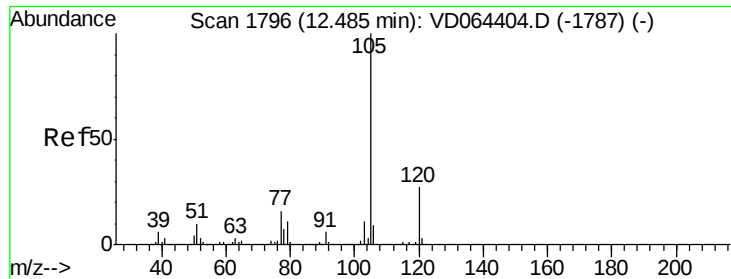
Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	26.7	80.1
150	191.6	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 104.400 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2268913

Ion Ratio Lower Upper

105 100

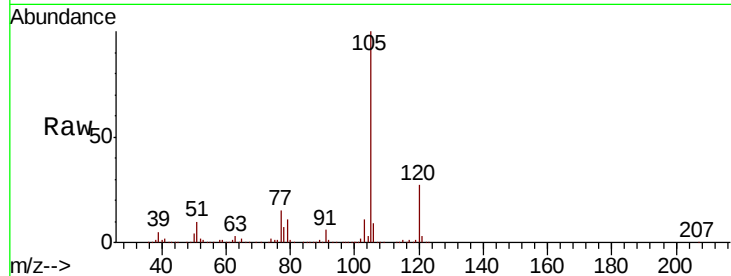
120 26.6 13.4 40.2

Manual Integrations

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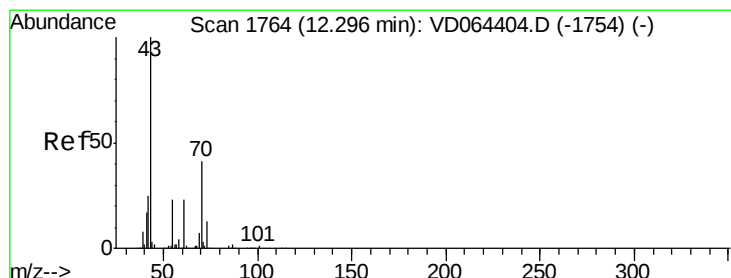
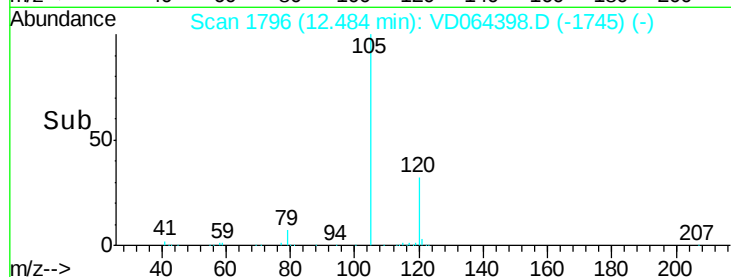
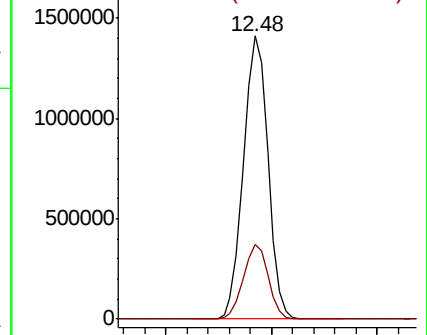
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 107.108 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Tgt Ion: 43 Resp: 528315

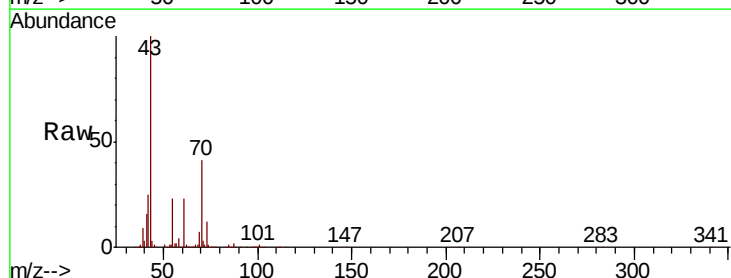
Ion Ratio Lower Upper

43 100

70 41.6 33.4 50.2

55 22.7 18.9 28.3

61 23.1 18.5 27.7

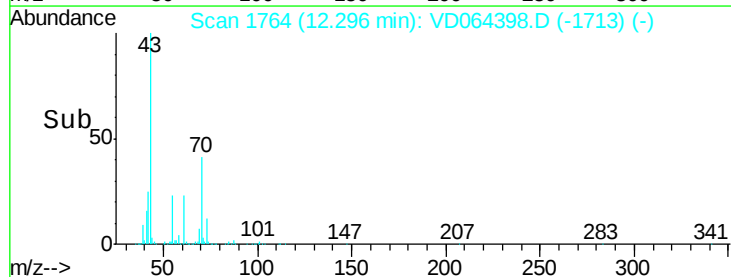
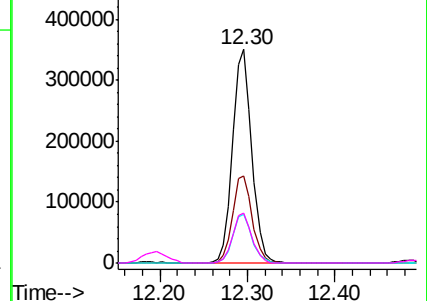


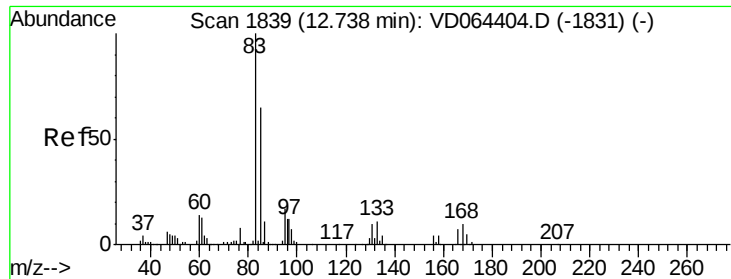
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 100.487 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

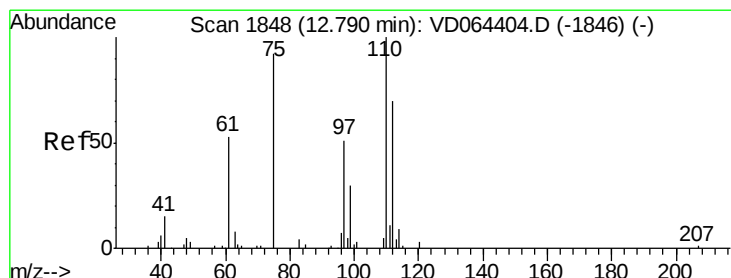
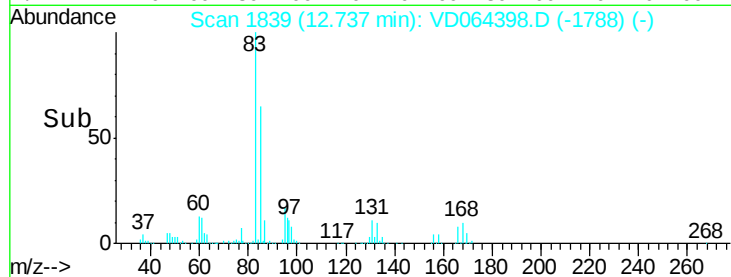
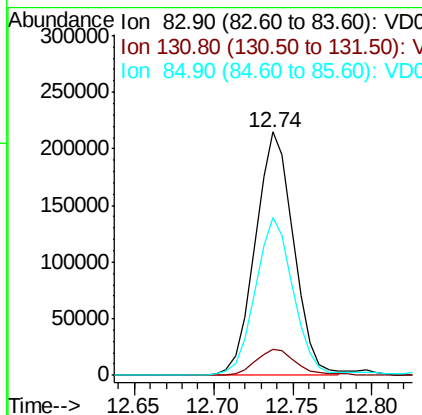
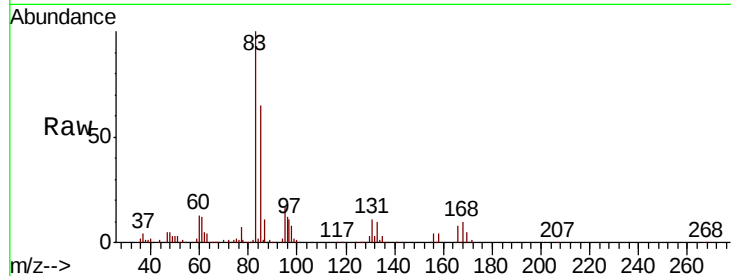
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	361144
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.0
85	63.7	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 99.188 ug/l m

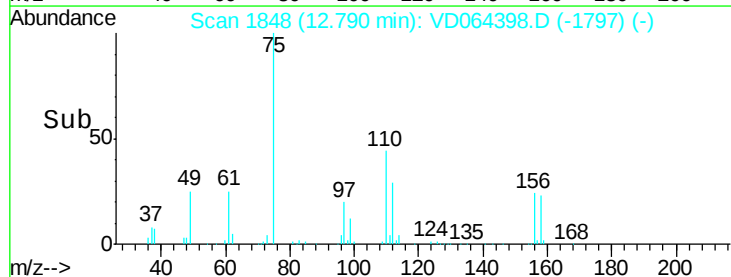
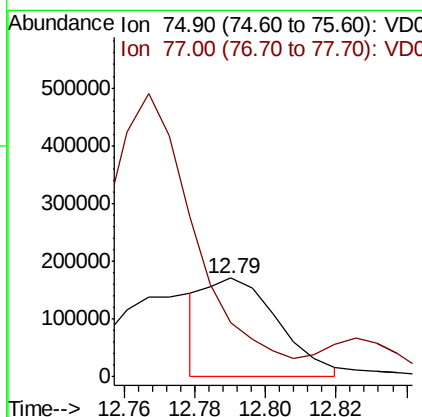
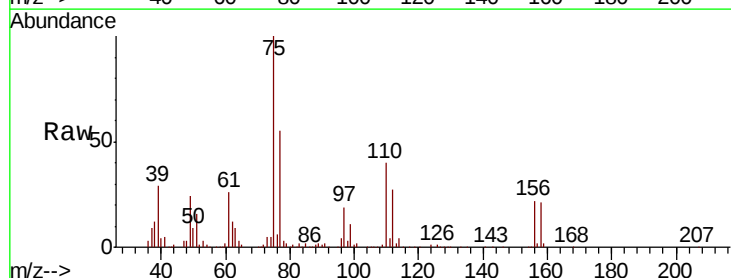
RT: 12.79 min Scan# 1848

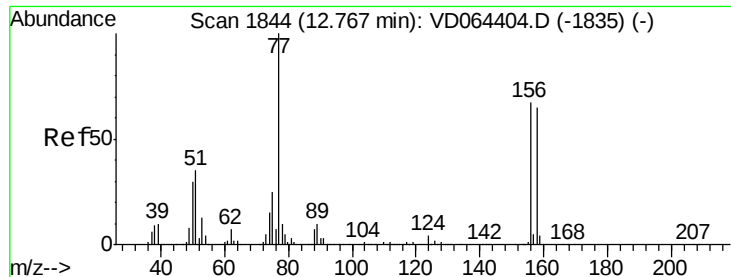
Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Tgt Ion:	75	Resp:	246483
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 103.281 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

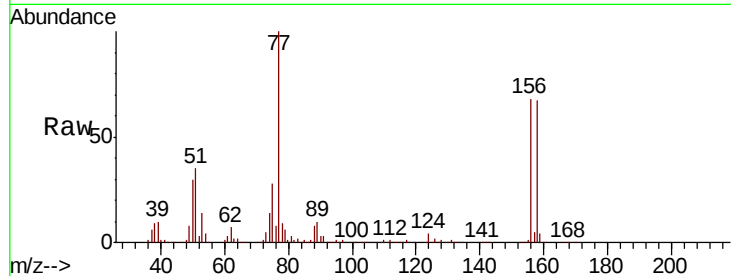
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.2	80.0	240.2
158	96.9	48.9	146.6

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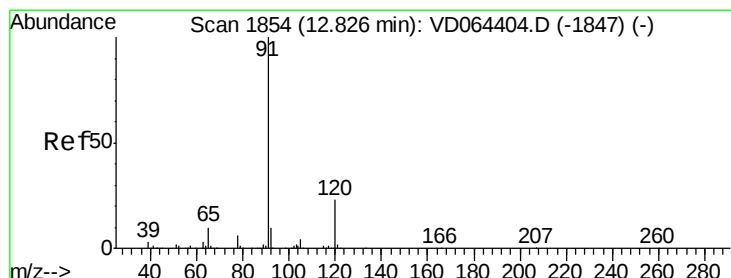
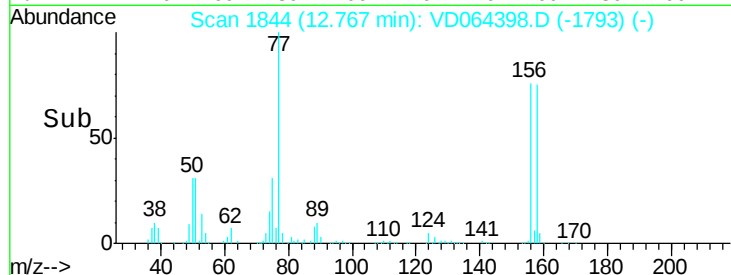
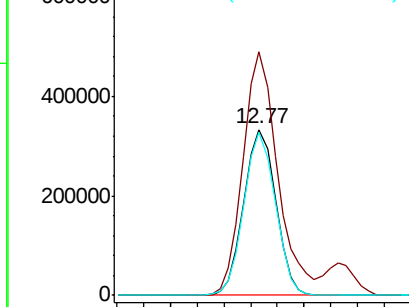
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 104.696 ug/l

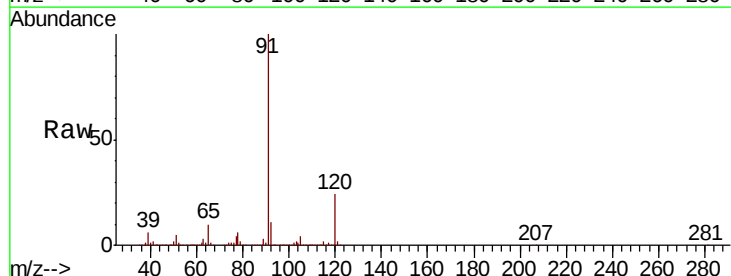
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064398.D

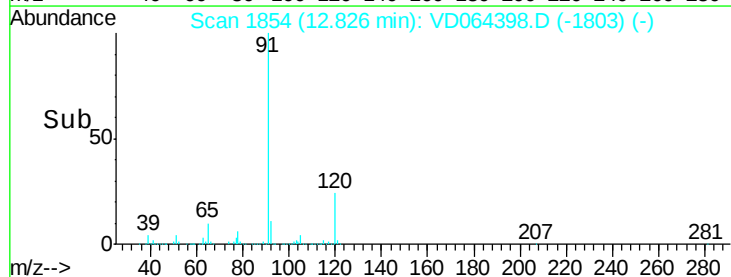
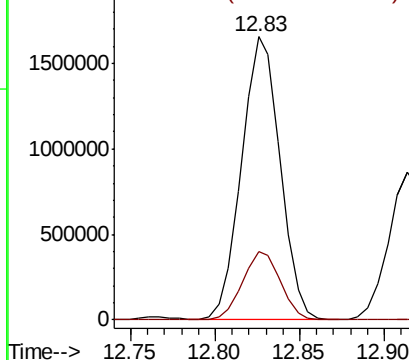
Acq: 27 Nov 2019 16:03

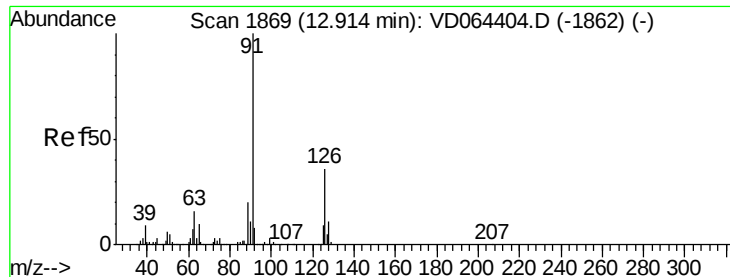
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 103.483 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1427836

Ion Ratio Lower Upper

91 100

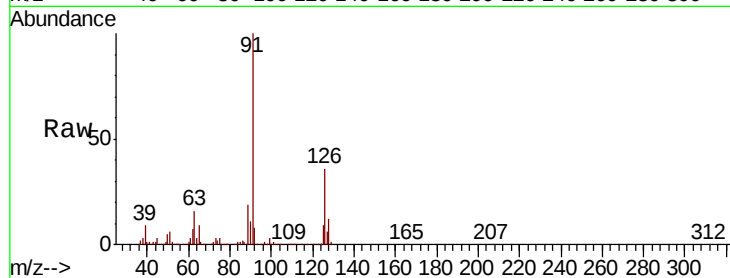
126 36.1 18.0 54.0

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

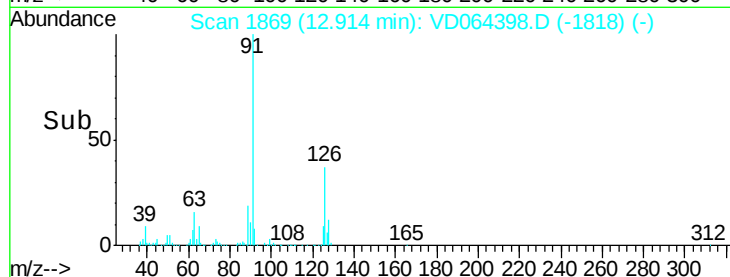
1500000

1000000

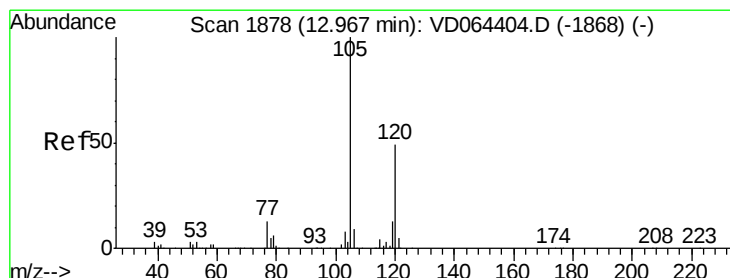
500000

0

12.85 12.90 12.95



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 104.943 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064398.D

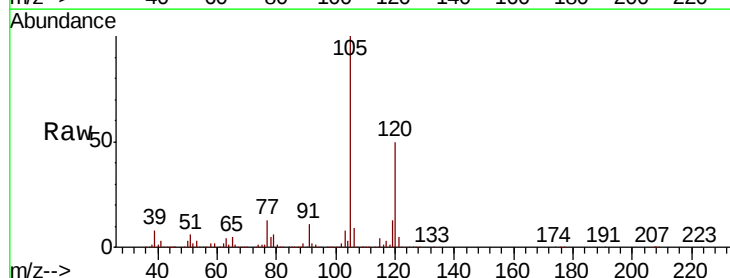
Acq: 27 Nov 2019 16:03

Tgt Ion:105 Resp: 1863782

Ion Ratio Lower Upper

105 100

120 50.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

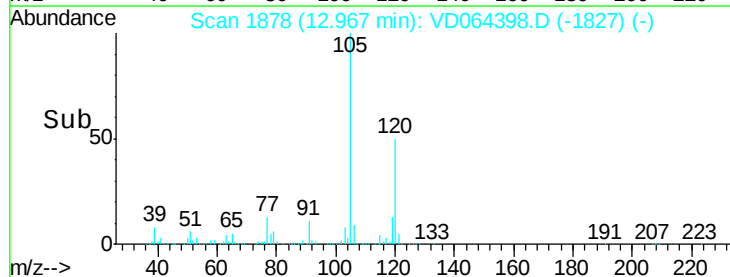
Ion 120.00 (119.70 to 120.70): V

1000000

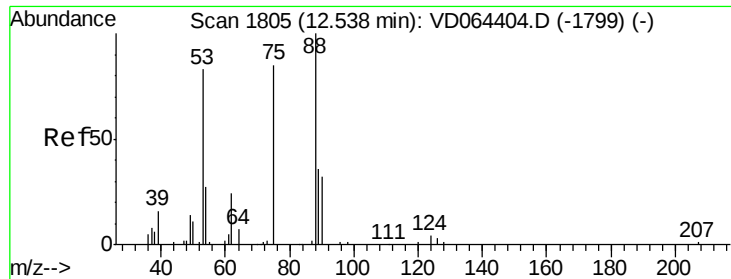
500000

0

12.90 12.97 13.00 13.10



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 109.633 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

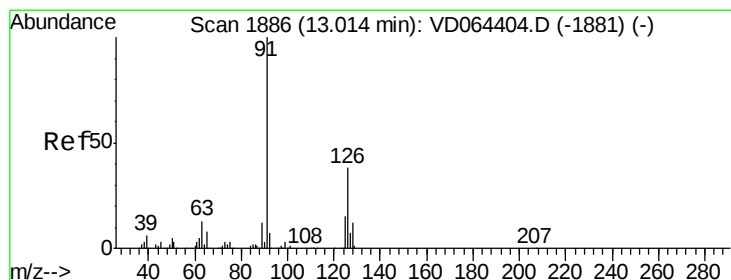
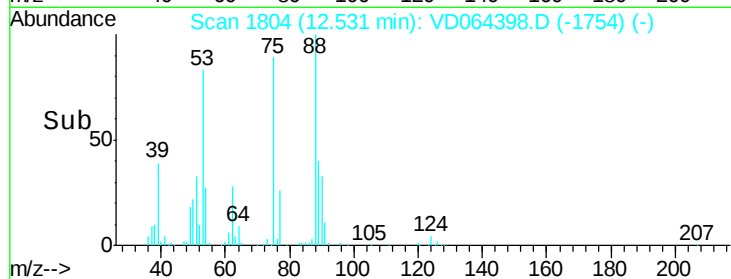
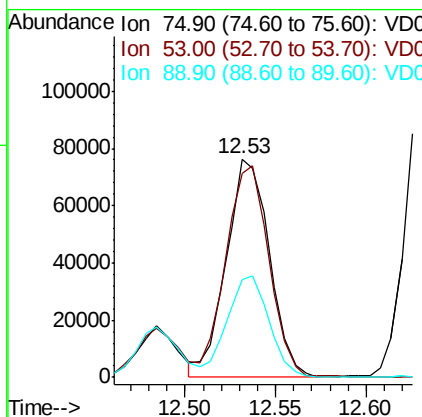
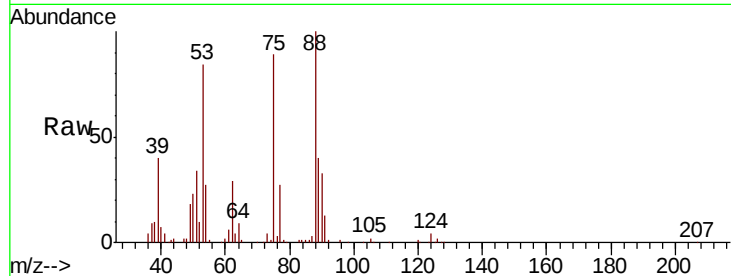
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	124942
Ion Ratio	Lower	Upper	
75	100		
53	98.0	81.0	121.6
89	45.6	38.5	57.7

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#82

4-Chlorotoluene

Concen: 103.396 ug/l

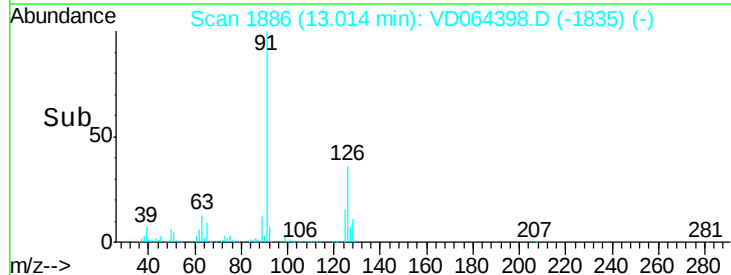
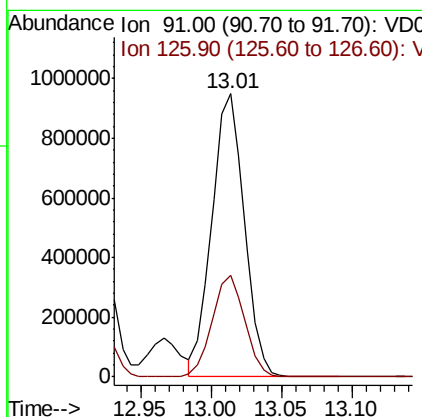
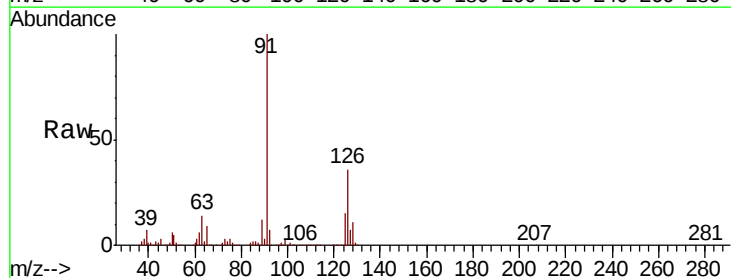
RT: 13.01 min Scan# 1886

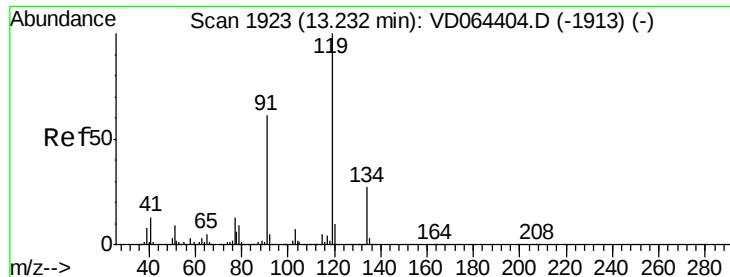
Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Tgt Ion:	91	Resp:	1510501
Ion Ratio	Lower	Upper	
91	100		
126	36.4	18.2	54.6





#83

tert-Butylbenzene

Concen: 104.336 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1610965

Ion Ratio Lower Upper

119 100

91 63.2 31.2 93.6

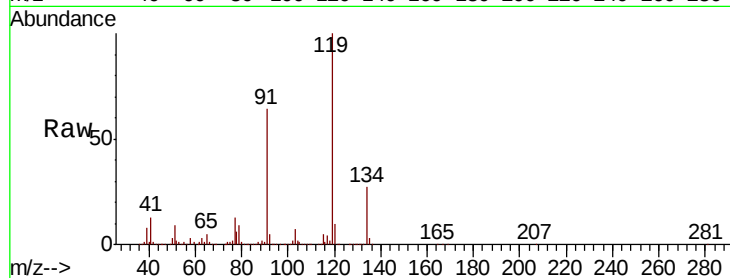
134 28.5 13.9 41.7

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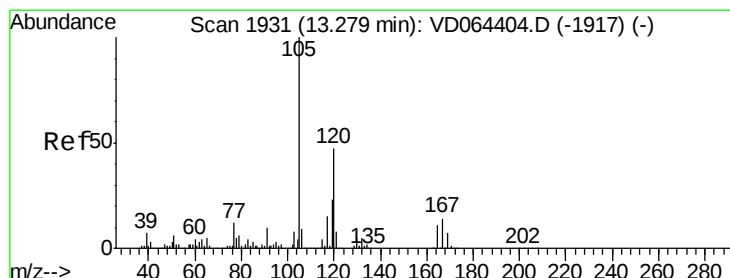
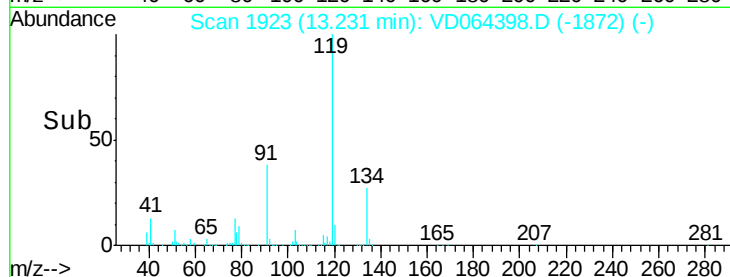
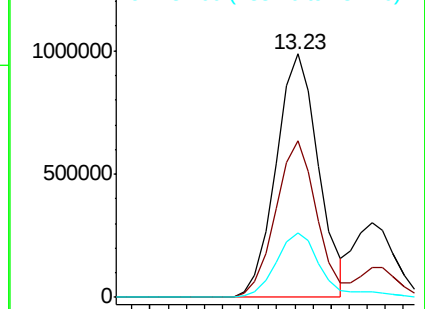
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 104.809 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064398.D

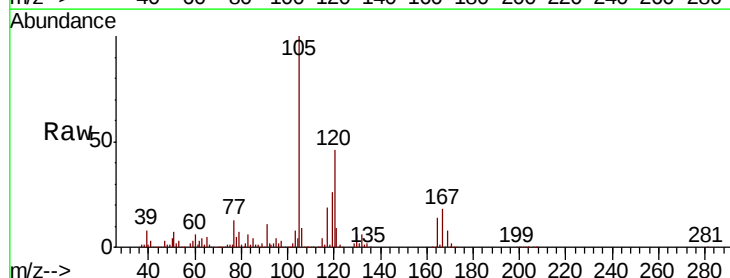
Acq: 27 Nov 2019 16:03

Tgt Ion:105 Resp: 1871708

Ion Ratio Lower Upper

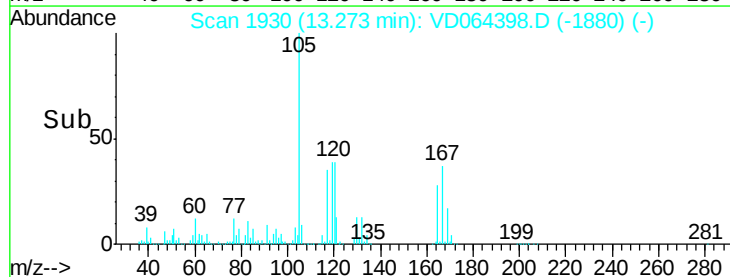
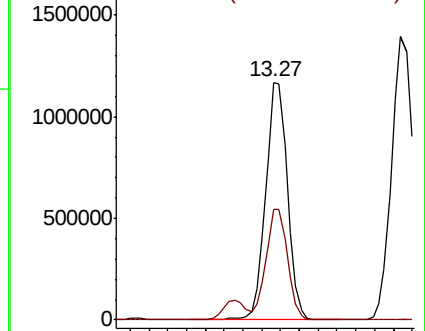
105 100

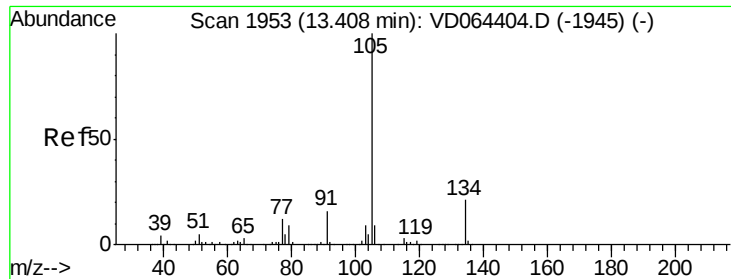
120 46.0 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 105.507 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2235814

Ion Ratio Lower Upper

105 100

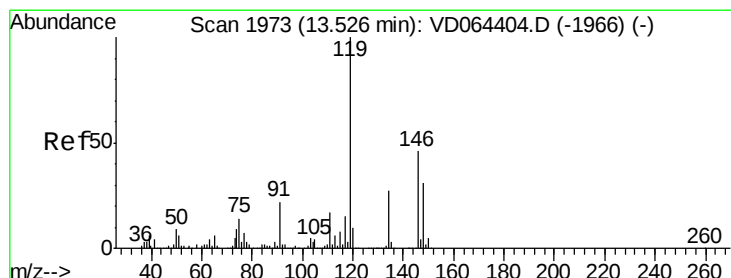
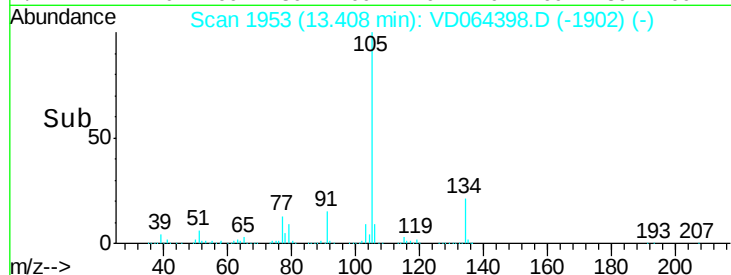
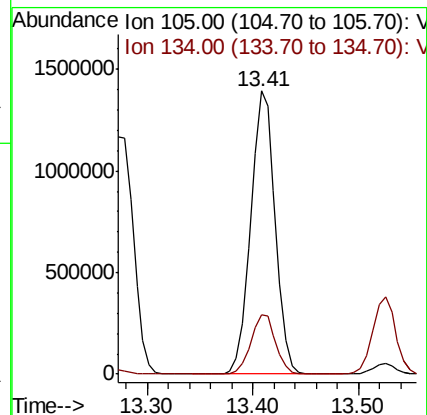
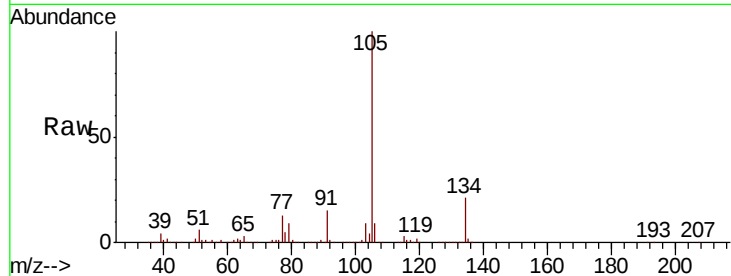
134 21.2 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 106.590 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

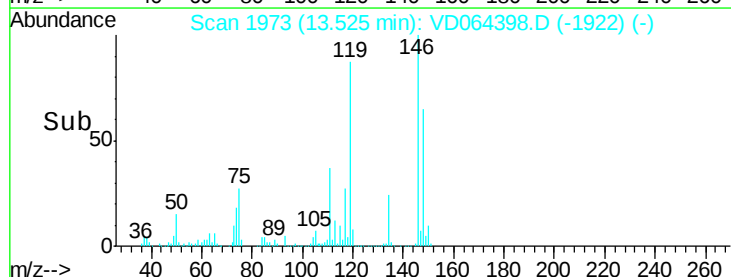
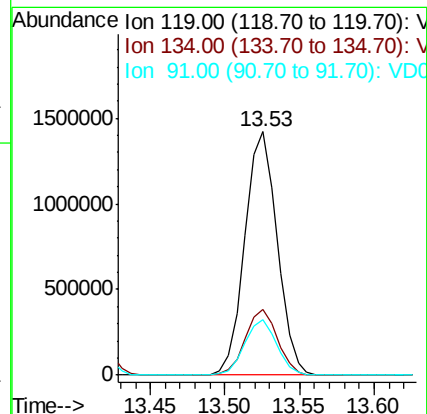
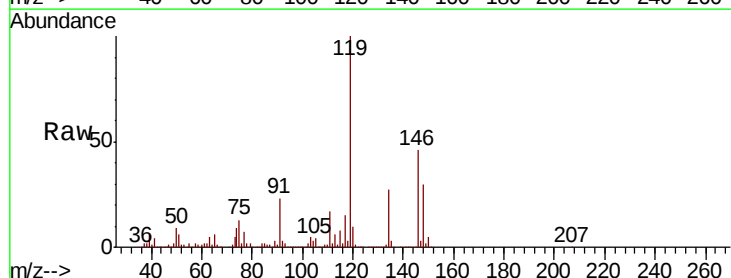
Tgt Ion:119 Resp: 2132483

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.5 11.2 33.5





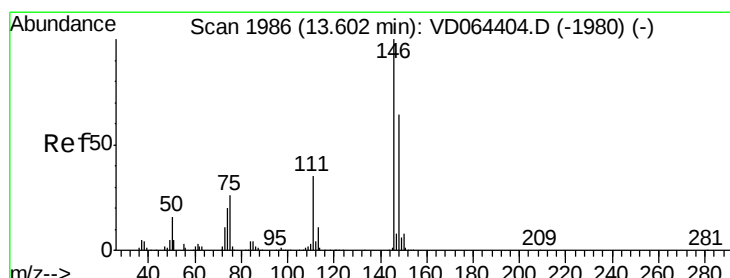
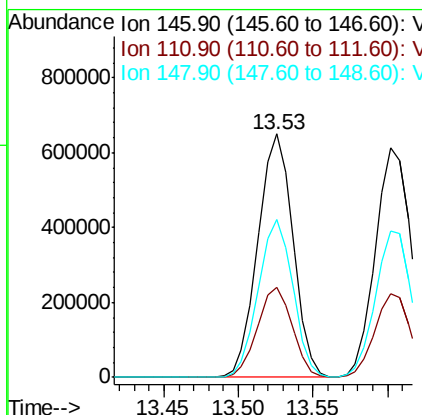
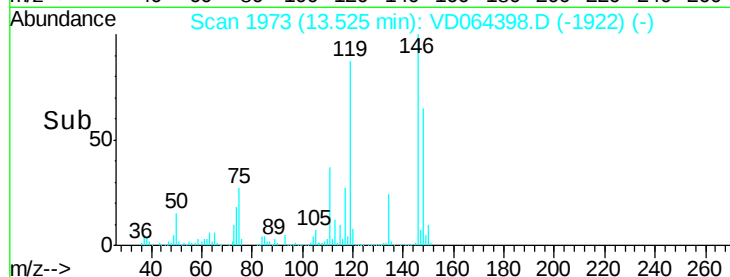
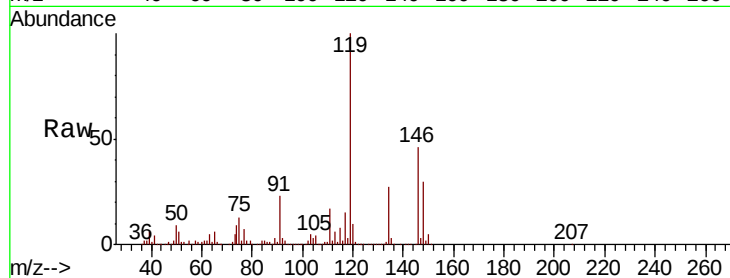
#87
 1,3-Dichlorobenzene
 Concen: 104.083 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.4
148	63.9	32.6	97.8

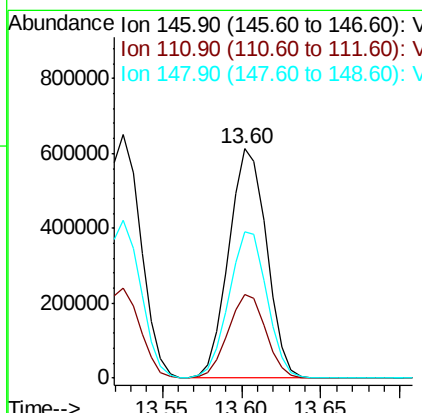
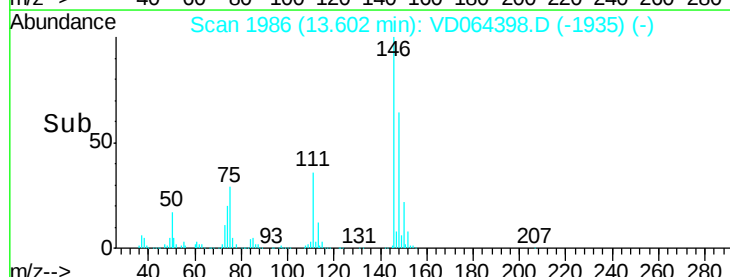
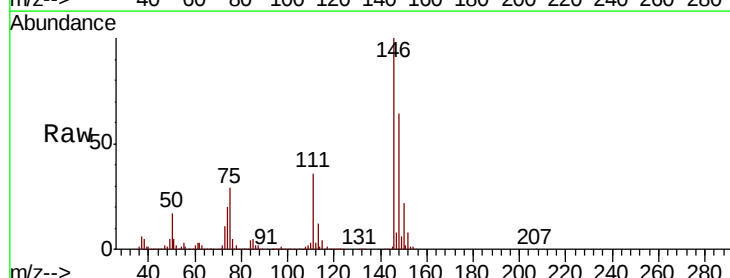
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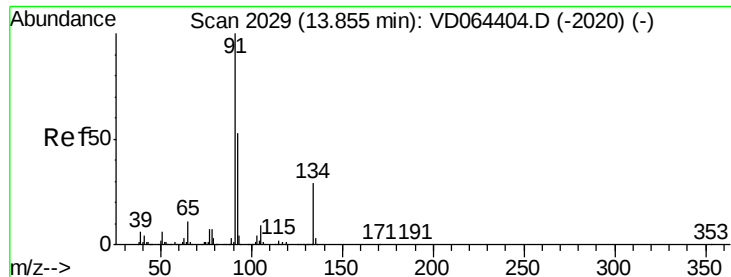
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#88
 1,4-Dichlorobenzene
 Concen: 101.176 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.2	54.6
148	64.3	31.8	95.4





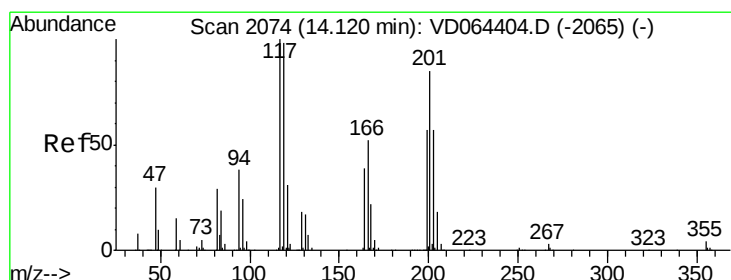
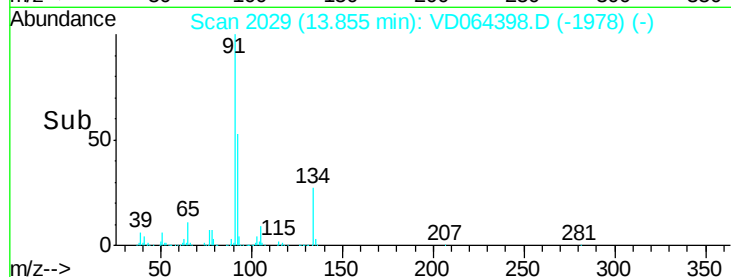
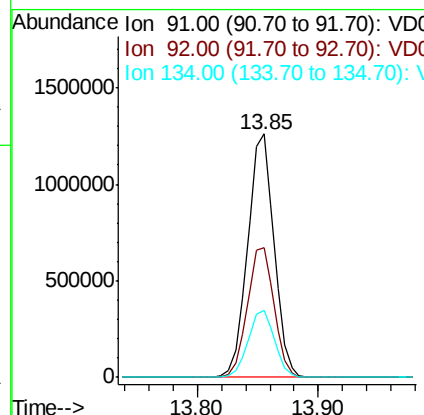
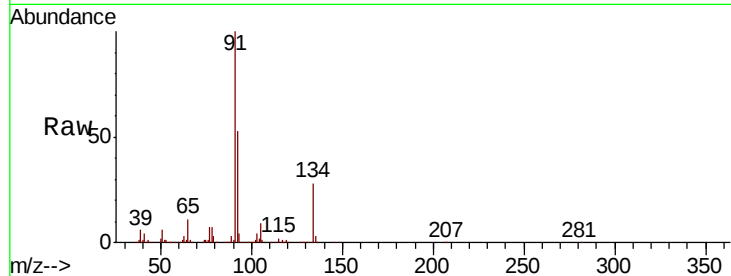
#89
n-Butylbenzene
Concen: 105.823 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.5	79.4
134	27.8	13.9	41.7

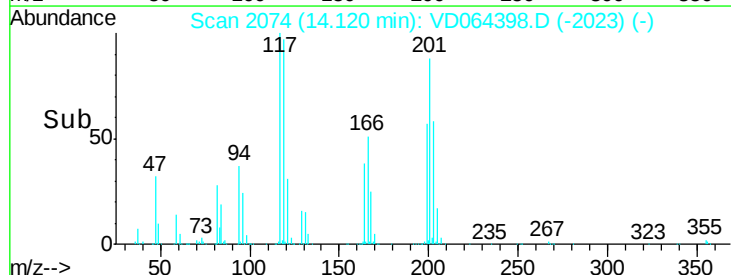
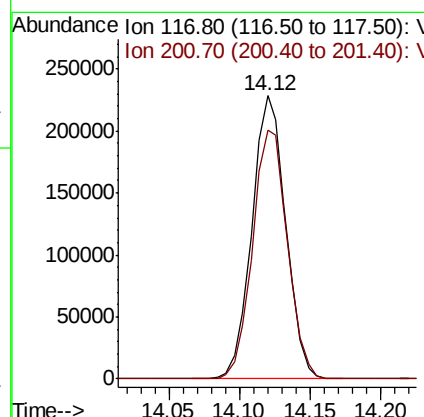
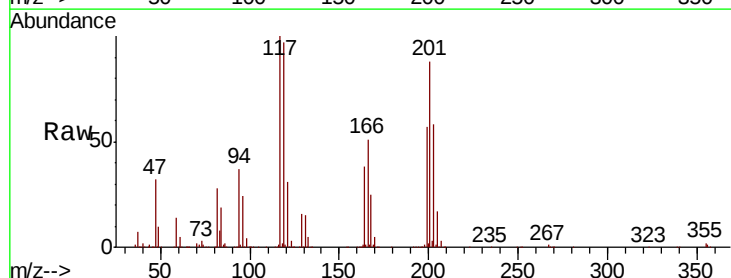
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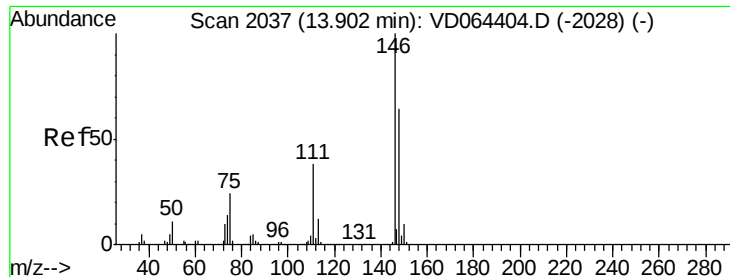
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#90
Hexachloroethane
Concen: 102.583 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	44.3	132.8





#91

1,2-Dichlorobenzene

Concen: 102.522 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

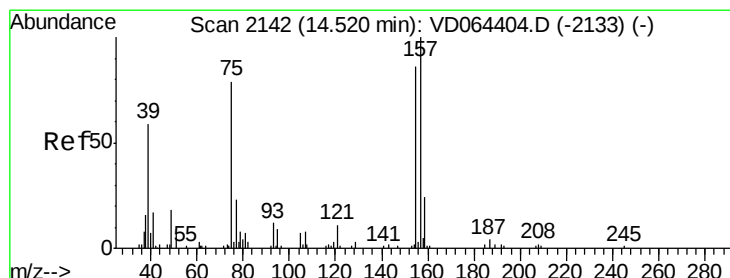
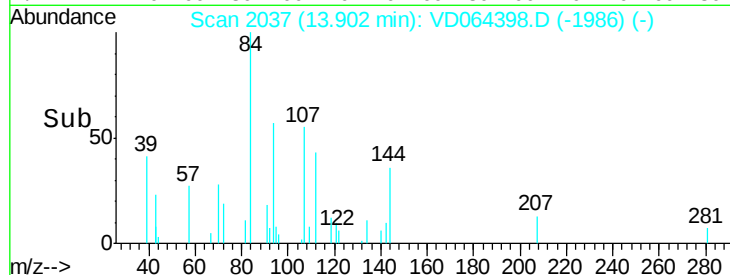
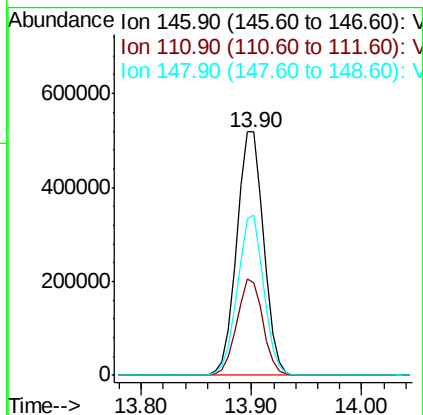
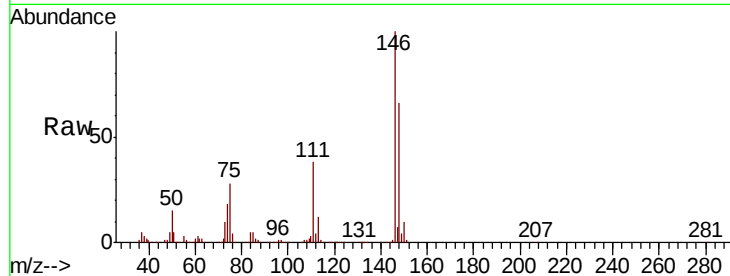
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	892488
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.1	57.3
148	64.2	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 117.765 ug/l

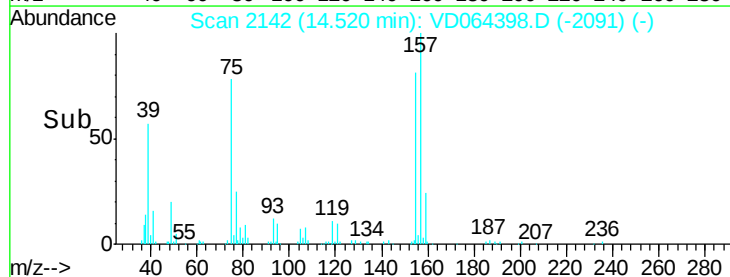
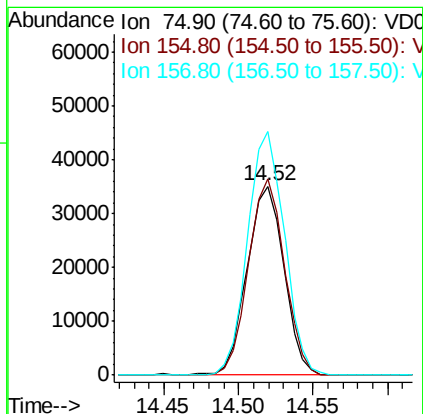
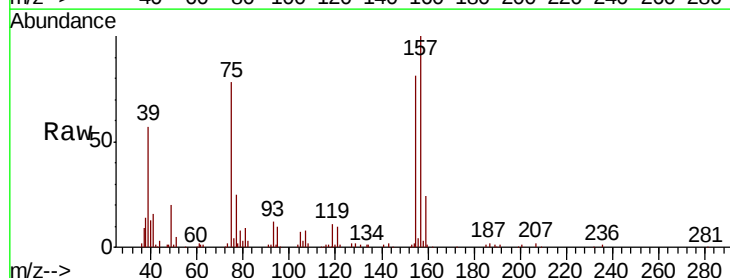
RT: 14.52 min Scan# 2142

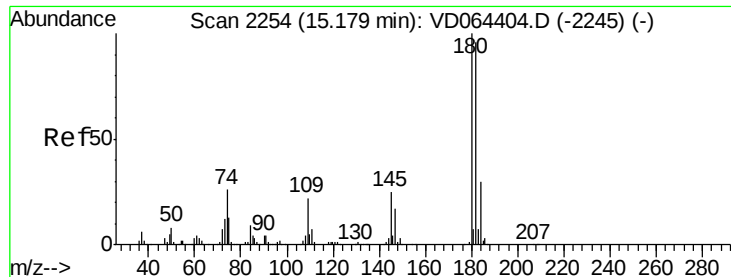
Delta R.T. 0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Tgt Ion:	75	Resp:	60052
Ion Ratio	Lower	Upper	
75	100		
155	101.3	51.9	155.7
157	128.2	63.2	189.8





#93

1,2,4-Trichlorobenzene

Concen: 100.339 ug/l

RT: 15.18 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

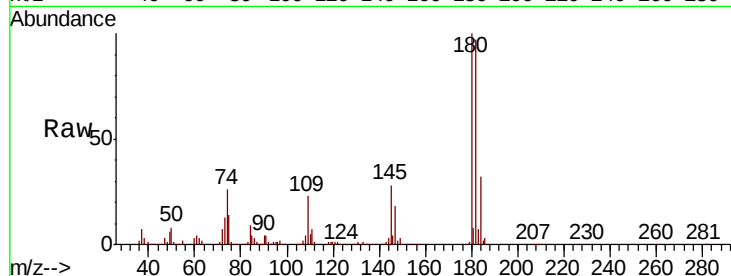
ClientSampleId :

VSTDIC100

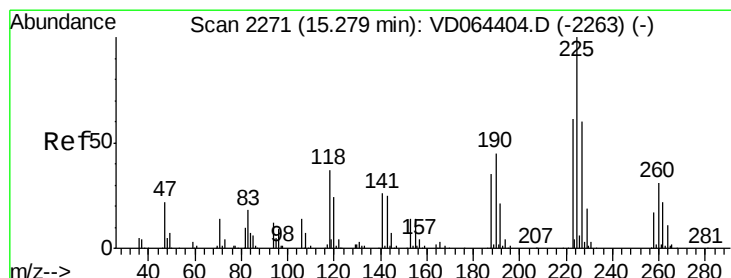
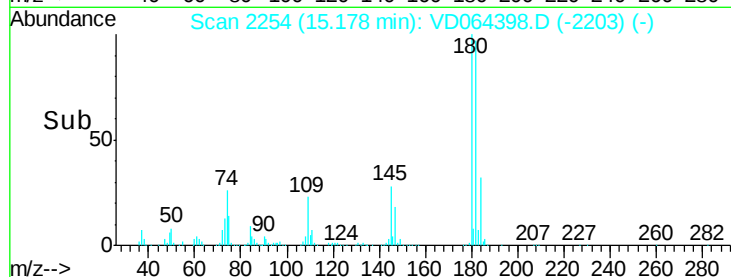
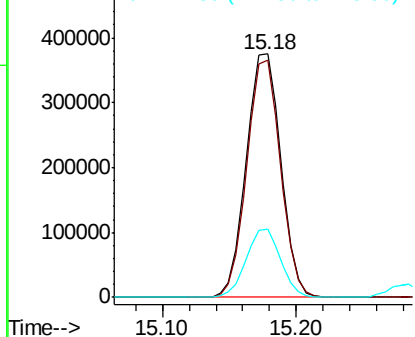
Tot Ion:	180	Resp:	668952
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.4	142.3
145	27.8	14.0	41.9

Manual Integrations
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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



#94

Hexachlorobutadiene

Concen: 103.030 ug/l

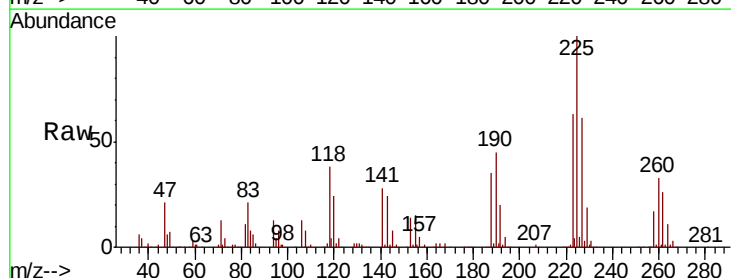
RT: 15.28 min Scan# 2271

Delta R.T. -0.00 min

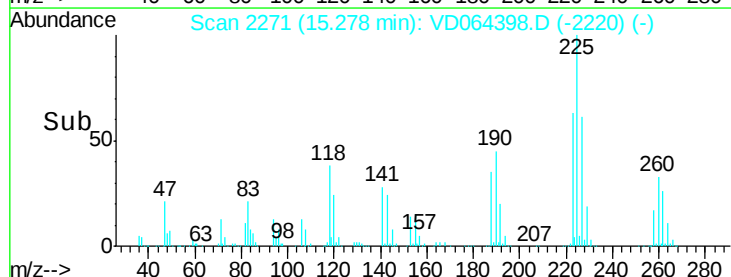
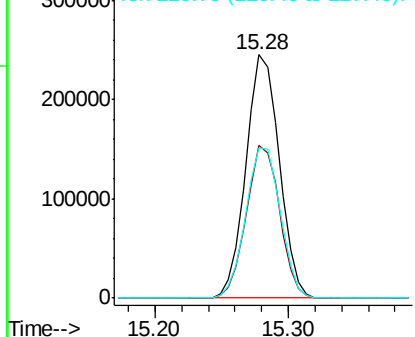
Lab File: VD064398.D

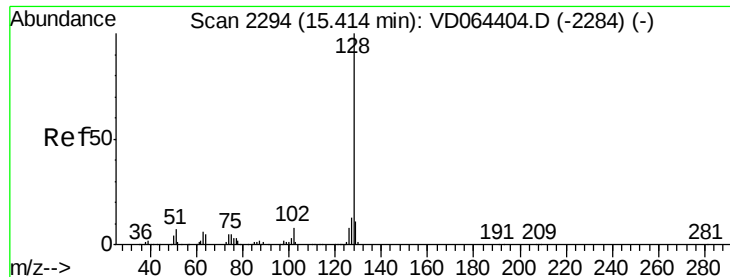
Acq: 27 Nov 2019 16:03

Tgt Ion:	225	Resp:	424045
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.1	93.3
227	63.8	31.8	95.4



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





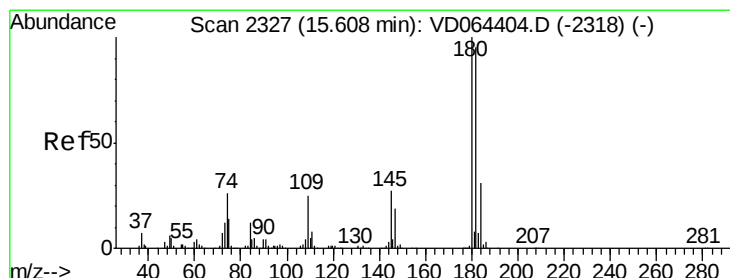
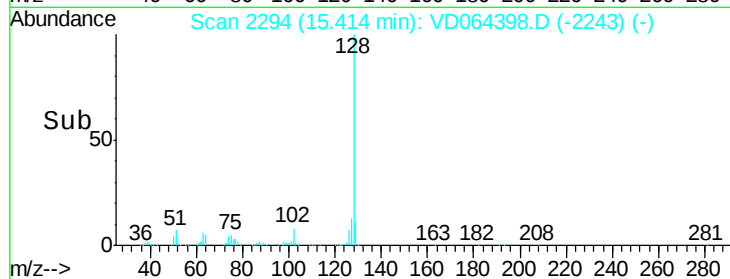
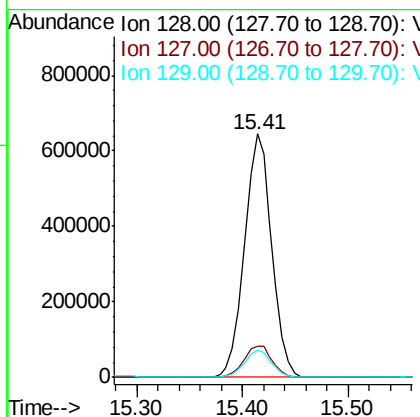
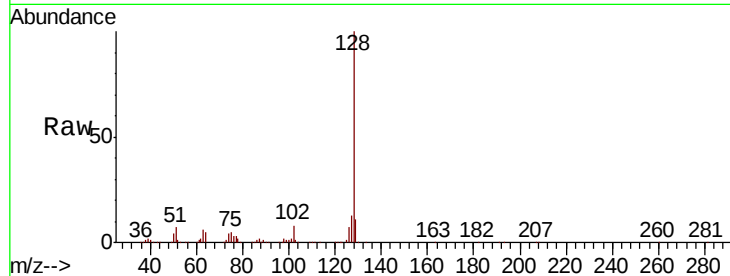
#95
Naphthalene
Concen: 103.186 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	11.1	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 100.496 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.6	142.9
145	30.8	14.6	43.8

