

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064401.D
 Acq On : 27 Nov 2019 17:54
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:27 AM

Quant Time: Nov 29 07:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 06:39:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	513576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	749413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	651314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	23639	5.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.24%	
35) Dibromofluoromethane	7.91	113	24687	5.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.50%	
50) Toluene-d8	10.34	98	89983	5.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.16%	
62) 4-Bromofluorobenzene	12.64	95	30068	5.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	24524	5.744	ug/l	95
3) Chloromethane	2.21	50	31996	6.760	ug/l	100
4) Vinyl Chloride	2.35	62	34475	6.690	ug/l	96
5) Bromomethane	2.77	94	26725	8.024	ug/l	95
6) Chloroethane	2.93	64	23256	7.005	ug/l	93
7) Trichlorofluoromethane	3.27	101	59096	7.033	ug/l	99
8) Diethyl Ether	3.71	74	11787	5.381	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	25730	5.655	ug/l	97
10) Methyl Iodide	4.29	142	20433	4.484	ug/l #	95
11) Tert butyl alcohol	5.26	59	6986	23.803	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	25070	5.787	ug/l #	74
13) Acrolein	3.93	56	10550	40.005	ug/l	98
14) Allyl chloride	4.71	41	37762	5.039	ug/l	95
15) Acrylonitrile	5.43	53	24409	25.993	ug/l	99
16) Acetone	4.17	43	25759	26.127	ug/l	95
17) Carbon Disulfide	4.40	76	74461	5.498	ug/l #	95
18) Methyl Acetate	4.74	43	13560	4.889	ug/l	92
19) Methyl tert-butyl Ether	5.49	73	51363	4.981	ug/l	94
20) Methylene Chloride	4.97	84	32398	6.374	ug/l #	87
21) trans-1,2-Dichloroethene	5.46	96	27008	5.492	ug/l	90
22) Diisopropyl ether	6.37	45	70002	4.962	ug/l	96
23) Vinyl Acetate	6.31	43	189094	23.850	ug/l	98
24) 1,1-Dichloroethane	6.26	63	42911	5.215	ug/l	96
25) 2-Butanone	7.23	43	32764	25.323	ug/l	96
26) 2,2-Dichloropropane	7.21	77	39892	5.041	ug/l	95
27) cis-1,2-Dichloroethene	7.22	96	29083	5.489	ug/l	97
28) Bromochloromethane	7.55	49	17913	6.263	ug/l	95
29) Tetrahydrofuran	7.57	42	20720	26.553	ug/l	98
30) Chloroform	7.71	83	44503	5.271	ug/l	92
31) Cyclohexane	7.98	56	51184	6.199	ug/l #	88
32) 1,1,1-Trichloroethane	7.91	97	41503	5.163	ug/l	97
36) 1,1-Dichloropropene	8.11	75	37793	5.504	ug/l	99
37) Ethyl Acetate	7.30	43	14084	4.818	ug/l	96
38) Carbon Tetrachloride	8.10	117	36618	4.965	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	45385	5.194	ug/l	96
40) Benzene	8.36	78	98580	5.214	ug/l	93
41) Methacrylonitrile	7.53	41	7836	4.279	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	27816	4.918	ug/l	97
43) Isopropyl Acetate	8.46	43	28086	4.698	ug/l	98
44) Trichloroethene	9.11	130	30337	5.362	ug/l	94
45) 1,2-Dichloropropane	9.39	63	23087	5.006	ug/l	94
46) Dibromomethane	9.48	93	12290	4.942	ug/l	96
47) Bromodichloromethane	9.67	83	32276	4.848	ug/l #	94
48) Methyl methacrylate	9.46	41	12383	4.269	ug/l	97
49) 1,4-Dioxane	9.46	88	2988	99.900	ug/l #	82
51) 4-Methyl-2-Pentanone	10.23	43	66302	23.005	ug/l	100
52) Toluene	10.40	92	62498	5.039	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	30377	4.593	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	37271	4.820	ug/l #	89
55) 1,1,2-Trichloroethane	10.80	97	18152	5.391	ug/l	99
56) Ethyl methacrylate	10.67	69	21781	4.671	ug/l	96
57) 1,3-Dichloropropane	10.95	76	29797	5.088	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	49582	26.690	ug/l	96
59) 2-Hexanone	10.98	43	46564	22.849	ug/l	100
60) Dibromochloromethane	11.14	129	23006	4.901	ug/l	99
61) 1,2-Dibromoethane	11.25	107	17676	5.239	ug/l	100
64) Tetrachloroethene	10.88	164	25628	5.155	ug/l	96
65) Chlorobenzene	11.67	112	69518	5.259	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	24072	4.793	ug/l	96
67) Ethyl Benzene	11.75	91	124537	5.220	ug/l	97
68) m/p-Xylenes	11.86	106	90726	9.927	ug/l	99
69) o-Xylene	12.18	106	41753	4.926	ug/l	99
70) Styrene	12.20	104	71882	4.866	ug/l	97
71) Bromoform	12.37	173	14597	5.092	ug/l #	100
73) Isopropylbenzene	12.48	105	116148	5.033	ug/l	99
74) N-amyl acetate	12.30	43	24147	4.428	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	19694	5.553	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	12184m	4.817	ug/l	
77) Bromobenzene	12.77	156	27830	4.946	ug/l	98
78) n-propylbenzene	12.83	91	132106	5.010	ug/l	100
79) 2-Chlorotoluene	12.91	91	70926	4.779	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	90621	4.775	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	6020	4.754	ug/l	94
82) 4-Chlorotoluene	13.01	91	77747	5.010	ug/l	99
83) tert-Butylbenzene	13.23	119	81699	4.906	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	93715	5.001	ug/l	100
85) sec-Butylbenzene	13.41	105	114038	5.078	ug/l	98
86) p-Isopropyltoluene	13.52	119	103842	4.867	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	54478	5.198	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	53752	5.270	ug/l	92
89) n-Butylbenzene	13.85	91	97336	5.048	ug/l	98
90) Hexachloroethane	14.12	117	20859	5.273	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	45181	5.080	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3594	5.778	ug/l	75

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ClientSampleId :
VSTDICC005

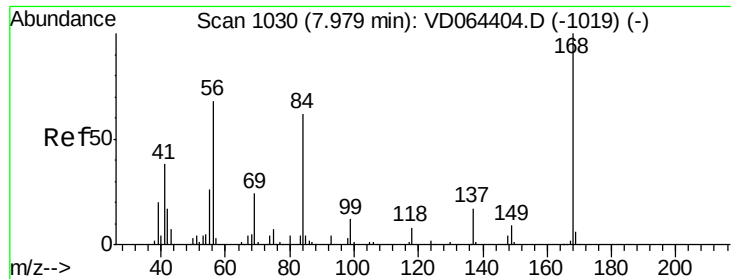
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	36415	5.335	ug/l	98
94) Hexachlorobutadiene	15.28	225	22218	5.058	ug/l	94
95) Naphthalene	15.41	128	57506	5.102	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	30410	5.208	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC005

Tot Ion:168 Resp: 513576

Ion Ratio Lower Upper

168 100

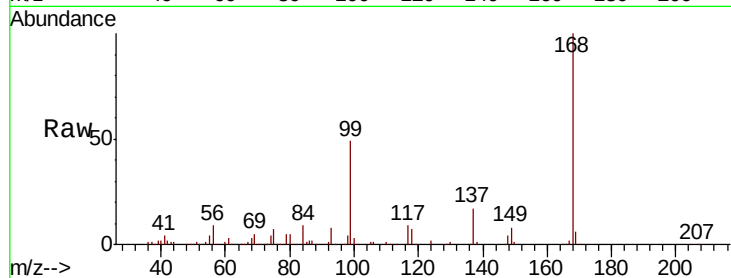
99 49.1 40.7 61.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

150000

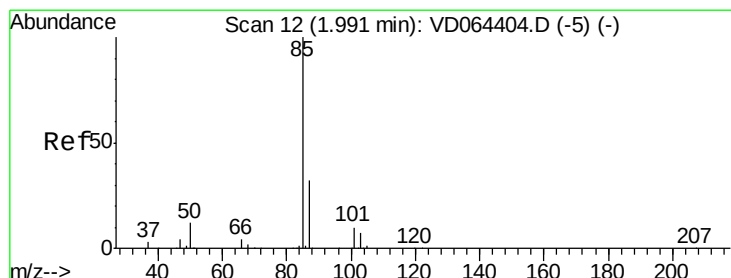
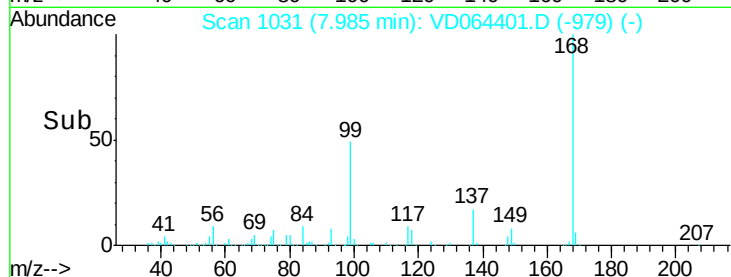
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 5.744 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064401.D

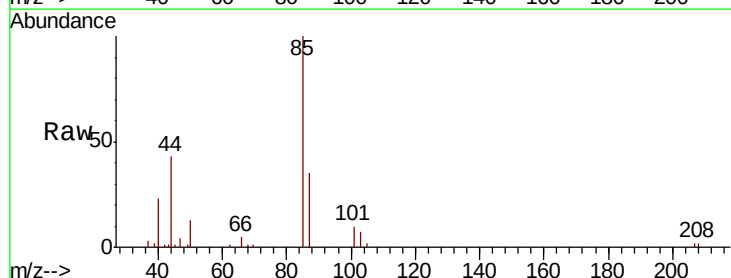
Acq: 27 Nov 2019 17:54

Tgt Ion: 85 Resp: 24524

Ion Ratio Lower Upper

85 100

87 35.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

20000

15000

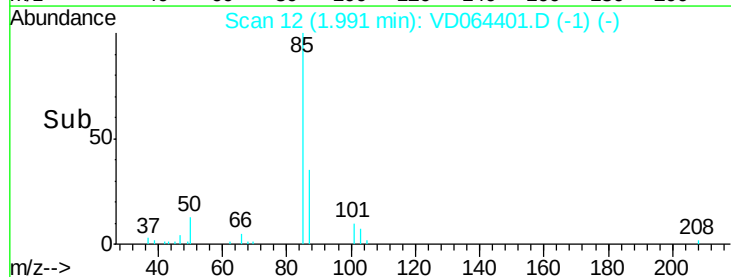
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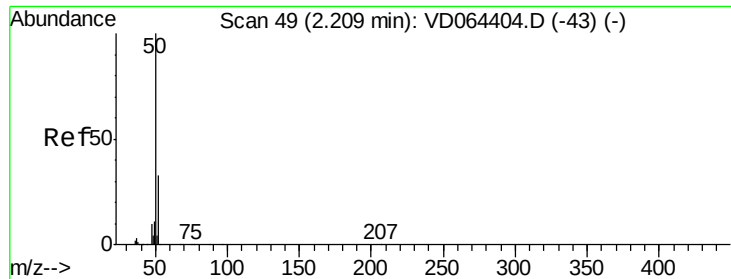
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 6.760 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 31996

Ion Ratio Lower Upper

50 100

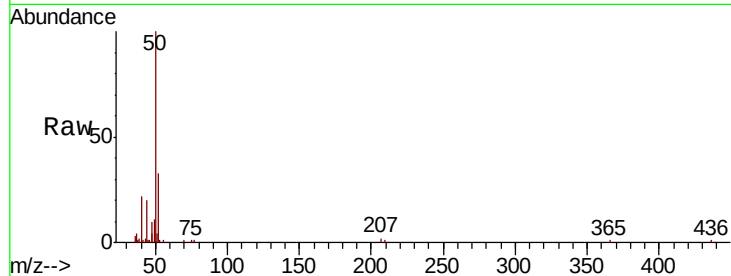
52 33.4 26.7 40.1

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

25000

20000

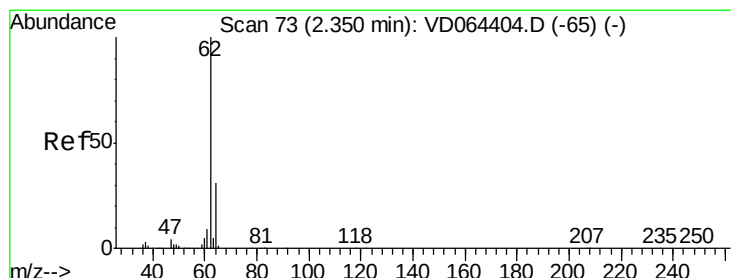
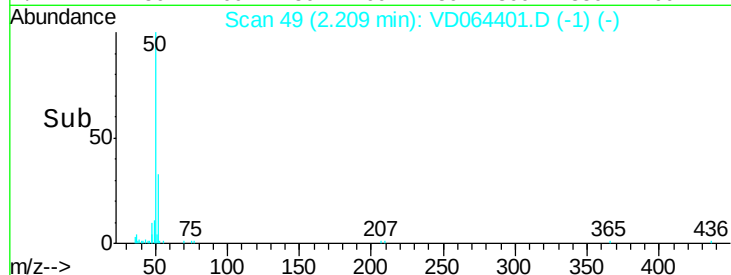
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 6.690 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064401.D

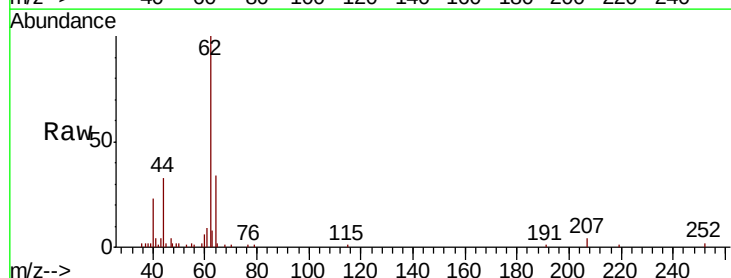
Acq: 27 Nov 2019 17:54

Tgt Ion: 62 Resp: 34475

Ion Ratio Lower Upper

62 100

64 33.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

25000

20000

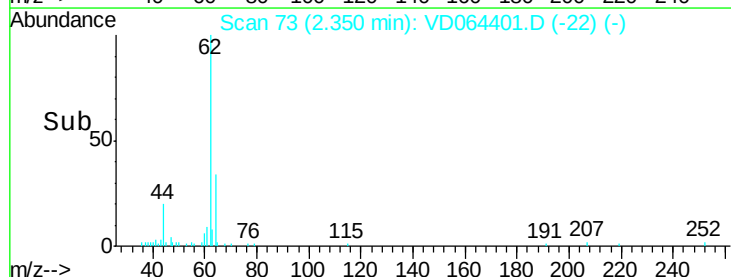
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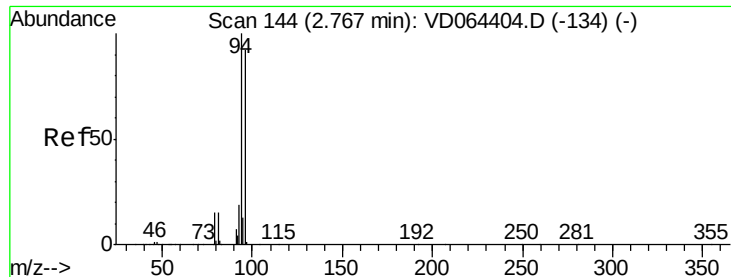
10000

5000

0

Time-->





#5

Bromomethane

Concen: 8.024 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 26725

Ion Ratio Lower Upper

94 100

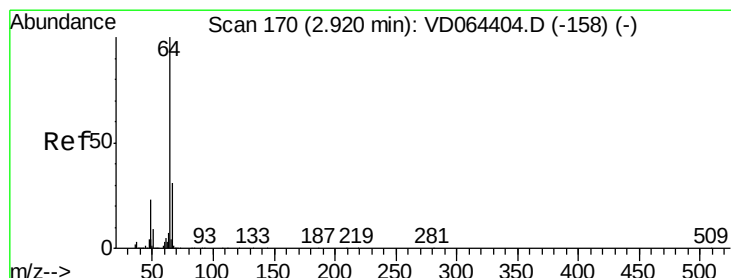
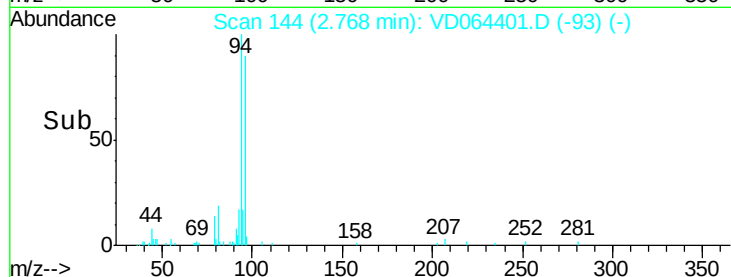
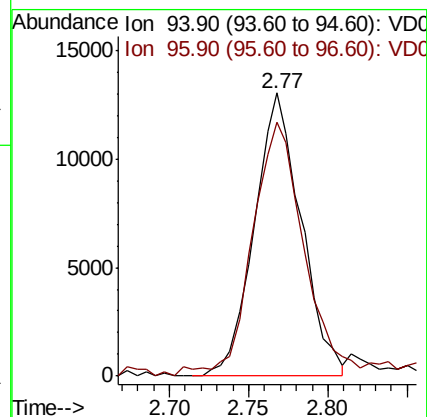
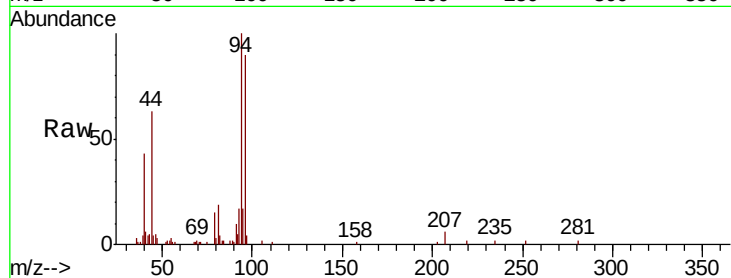
96 87.0 73.6 110.4

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#6

Chloroethane

Concen: 7.005 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064401.D

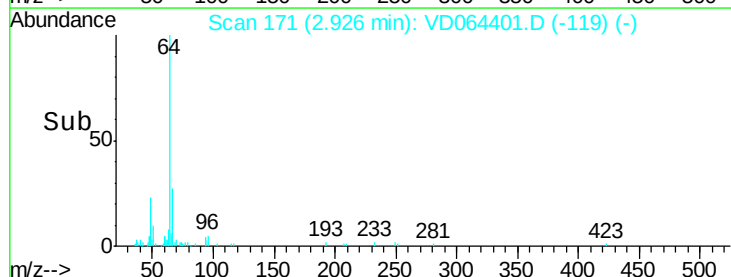
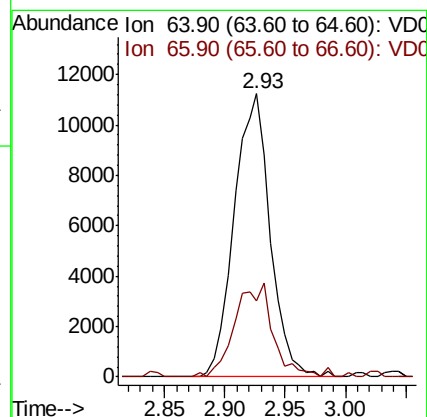
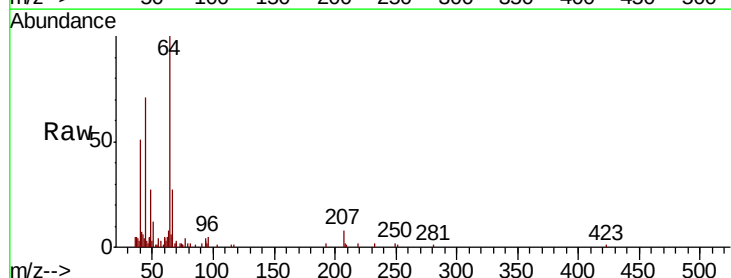
Acq: 27 Nov 2019 17:54

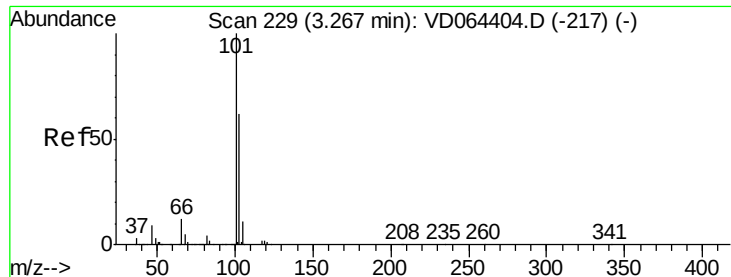
Tgt Ion: 64 Resp: 23256

Ion Ratio Lower Upper

64 100

66 27.1 24.6 37.0





#7

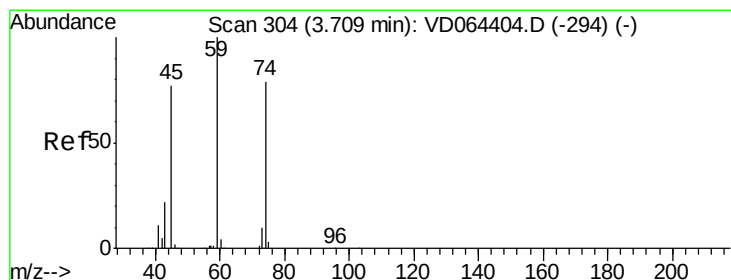
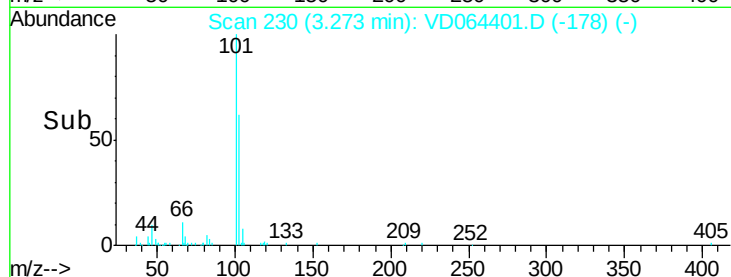
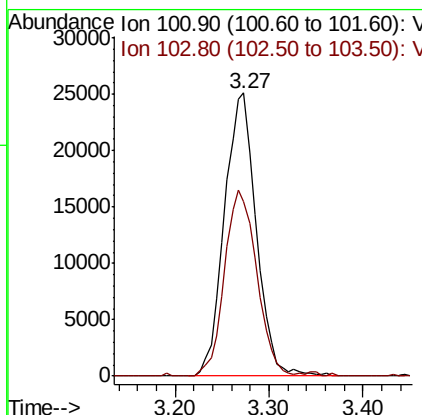
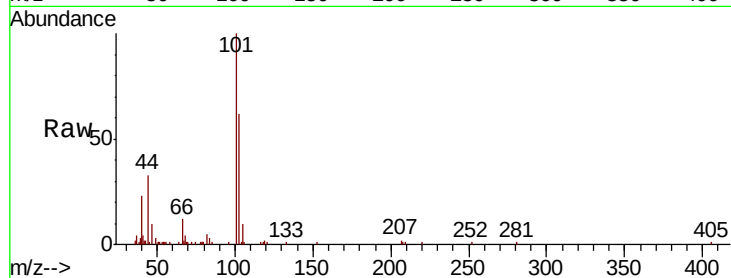
Trichlorofluoromethane
Concen: 7.033 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	49.8	74.6

Manual Integrations
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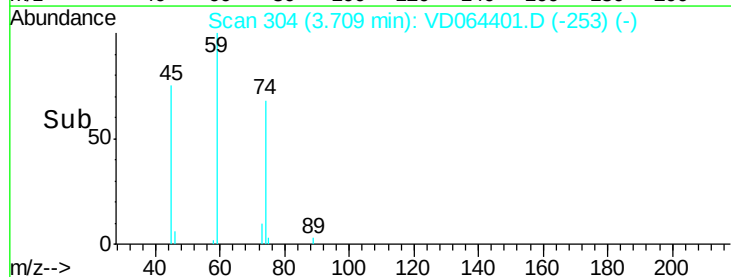
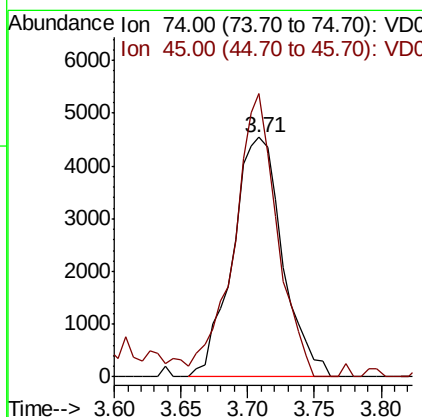
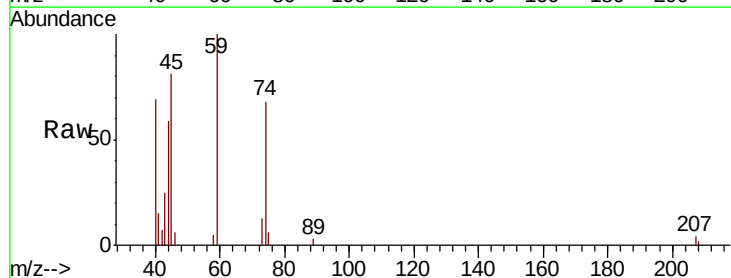
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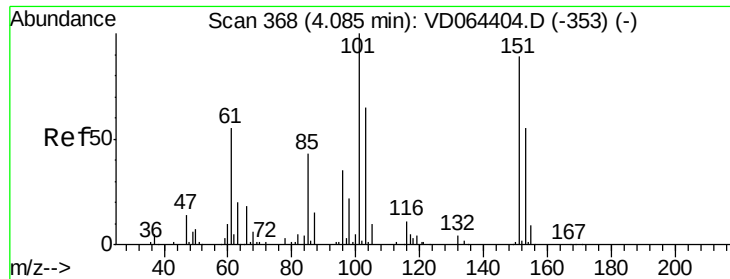


#8

Diethyl Ether
Concen: 5.381 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.655 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 25730

Ion Ratio Lower Upper

101 100

85 47.0 34.8 52.2

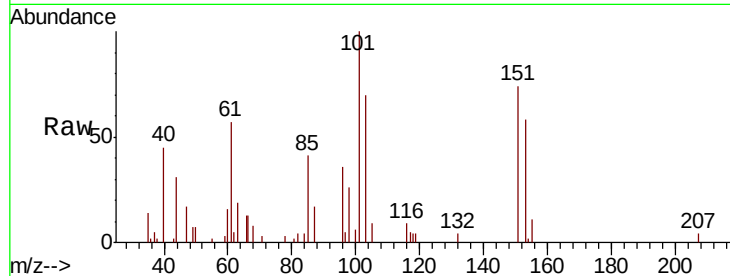
151 84.9 68.8 103.2

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12/2/2019 10:56:27 AM



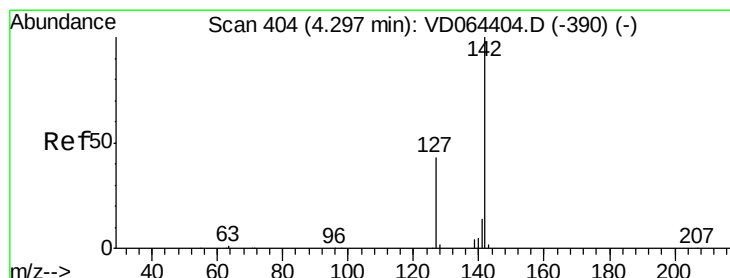
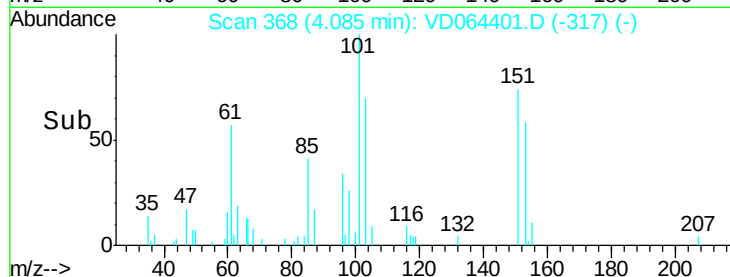
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

4.09

Time-->



#10

Methyl Iodide

Concen: 4.484 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

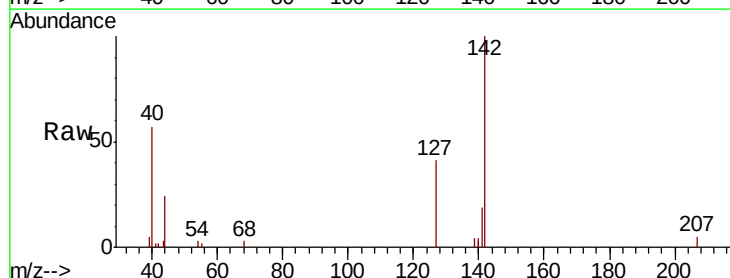
Tgt Ion:142 Resp: 20433

Ion Ratio Lower Upper

142 100

127 41.7 35.3 52.9

141 10.3 11.6 17.4#



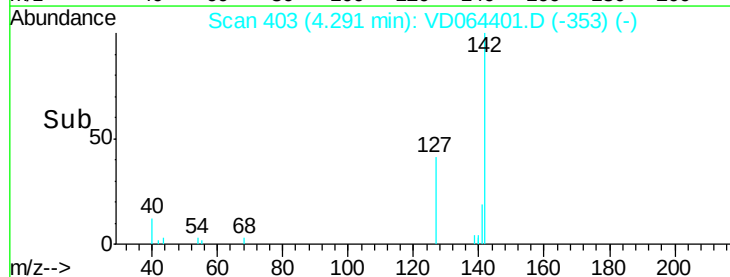
Abundance Ion 141.80 (141.50 to 142.50): V

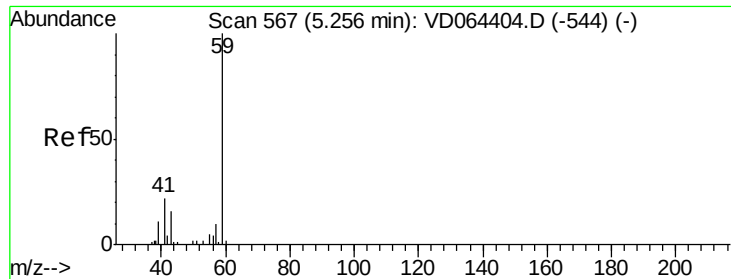
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.29

Time-->





#11

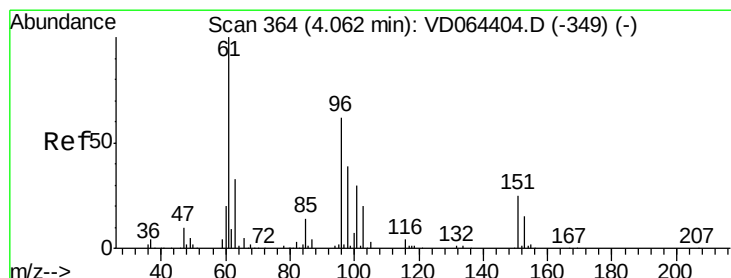
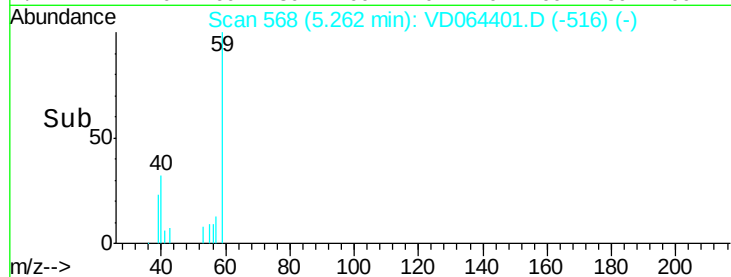
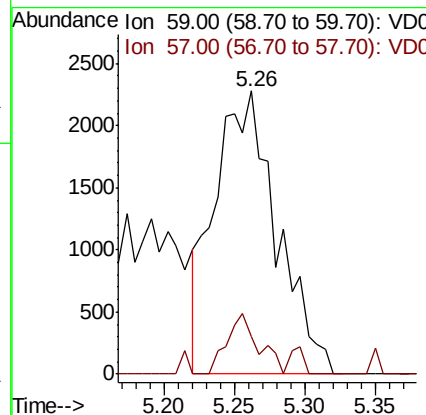
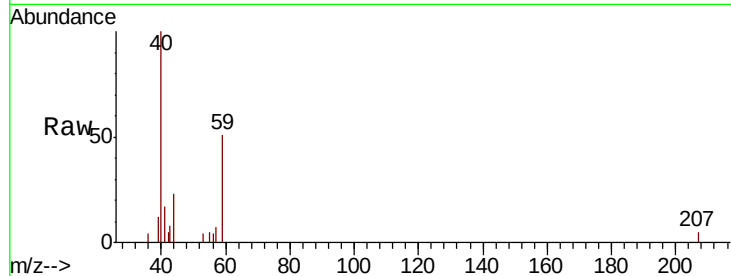
Tert butyl alcohol
Concen: 23.803 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampled :
VSTDIC005

Tot Ion: 59 Resp: 6986
Ion Ratio Lower Upper
59 100
57 11.0 0.0 0.0#

Manual Integrations
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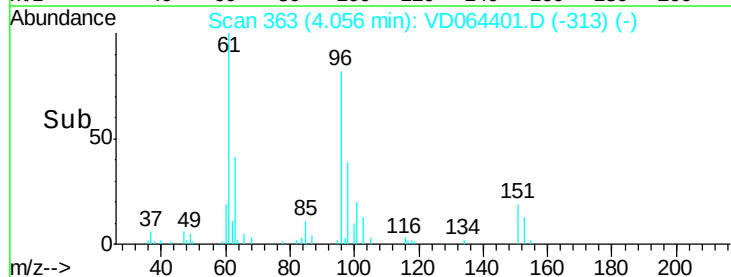
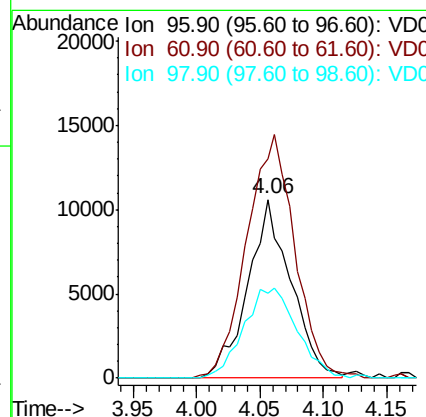
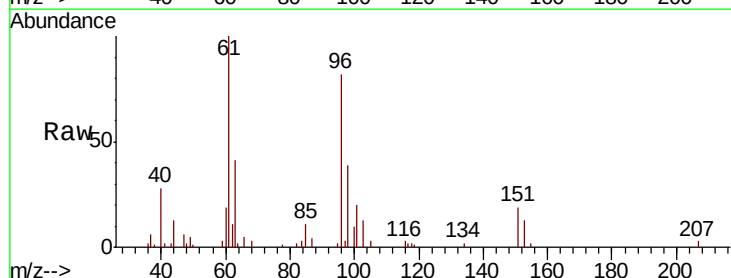
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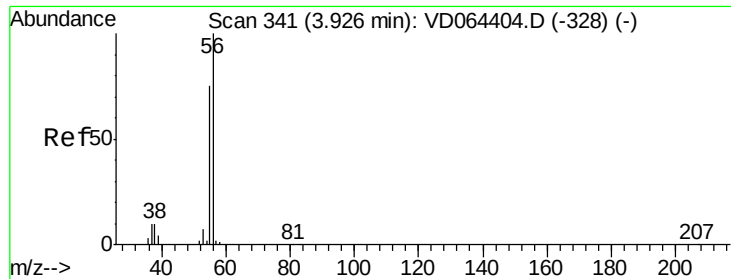


#12

1,1-Dichloroethene
Concen: 5.787 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 96 Resp: 25070
Ion Ratio Lower Upper
96 100
61 122.4 128.2 192.4#
98 47.4 50.4 75.6#





#13

Acrolein

Concen: 40.005 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 10550

Ion Ratio Lower Upper

56 100

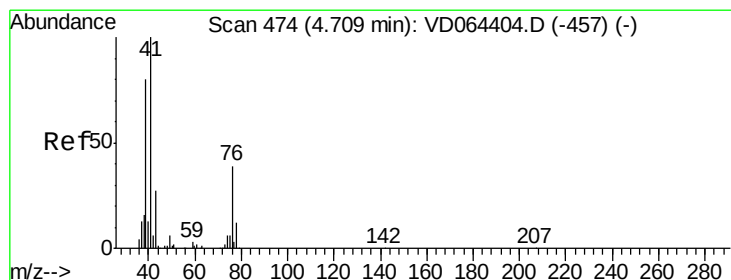
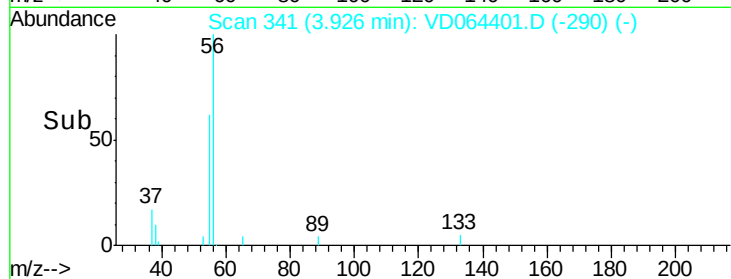
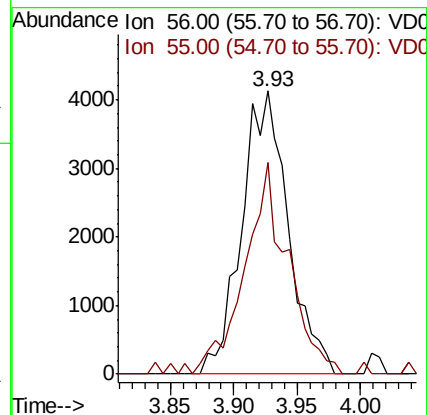
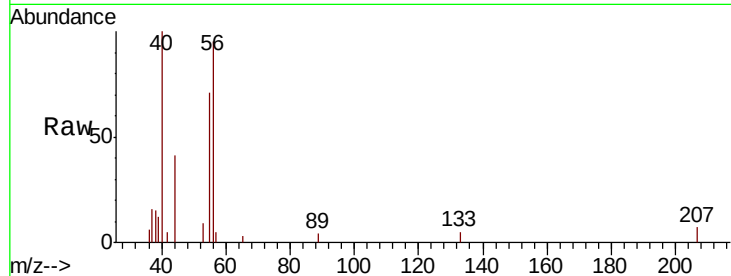
55 69.8 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 5.039 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

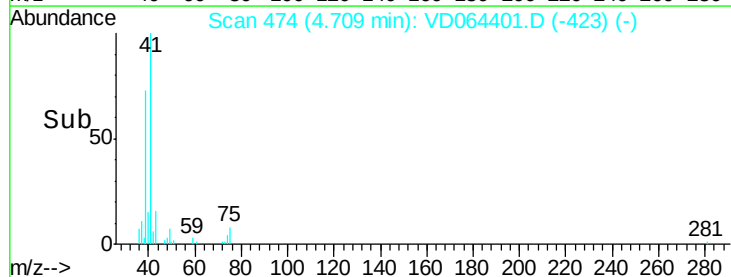
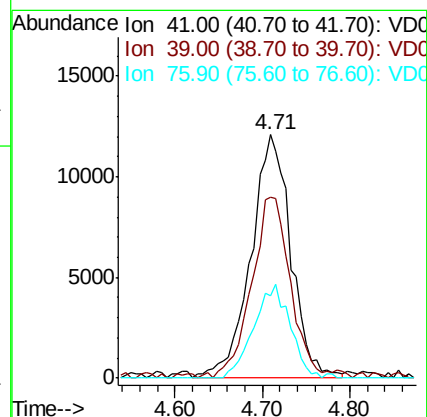
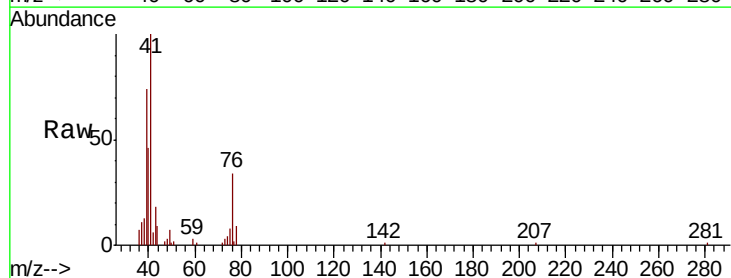
Tgt Ion: 41 Resp: 37762

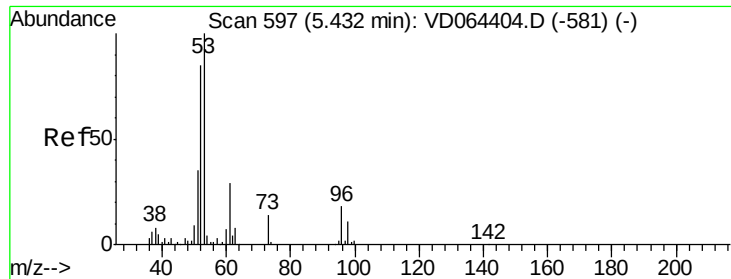
Ion Ratio Lower Upper

41 100

39 72.6 62.1 93.1

76 34.8 29.8 44.8





#15

Acrylonitrile

Concen: 25.993 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

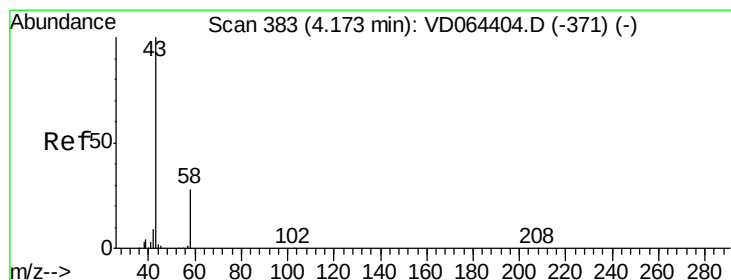
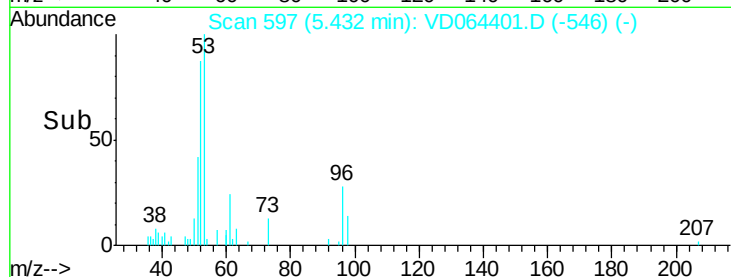
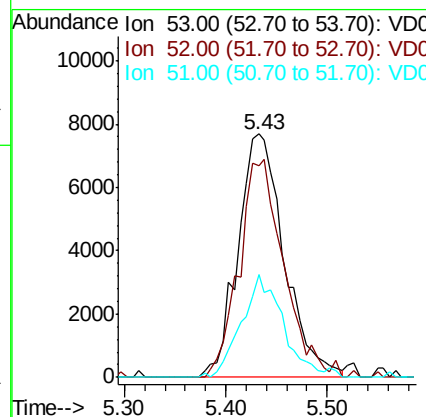
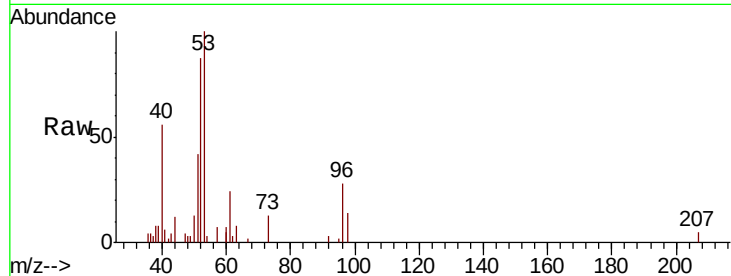
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	24409
Ion	Ratio	Lower	Upper
53	100		
52	86.4	67.9	101.9
51	38.3	30.6	45.8

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#16

Acetone

Concen: 26.127 ug/l

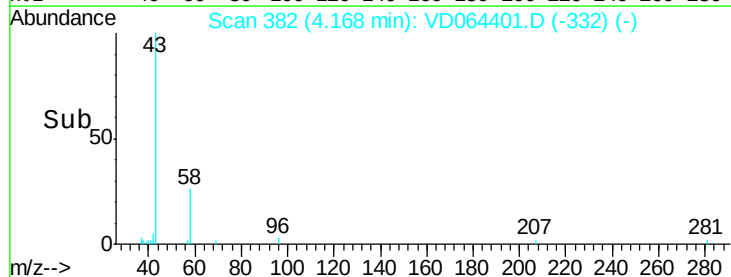
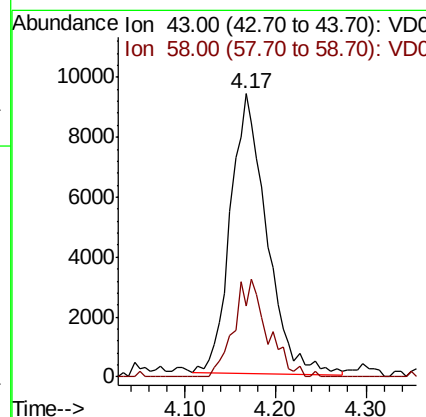
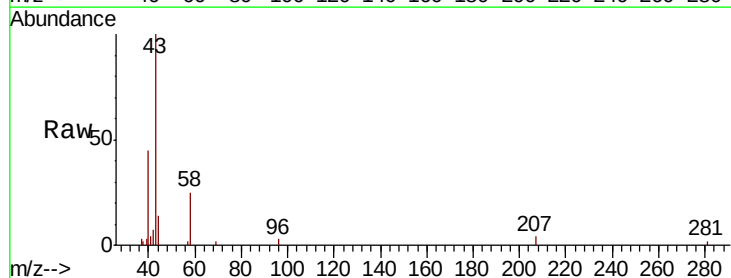
RT: 4.17 min Scan# 382

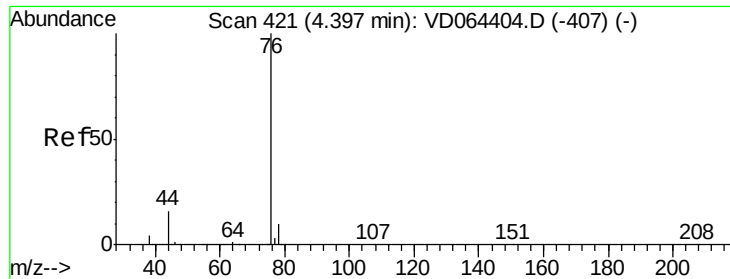
Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Tgt Ion:	43	Resp:	25759
Ion	Ratio	Lower	Upper
43	100		
58	25.5	22.6	33.8





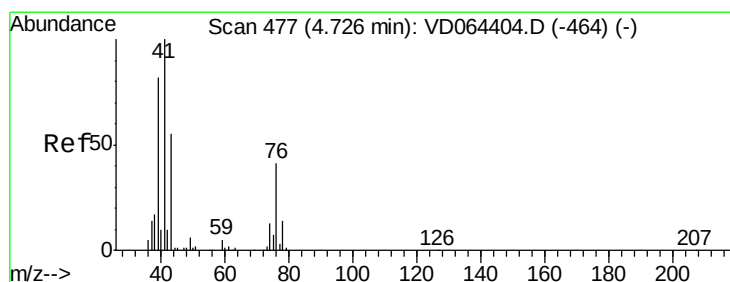
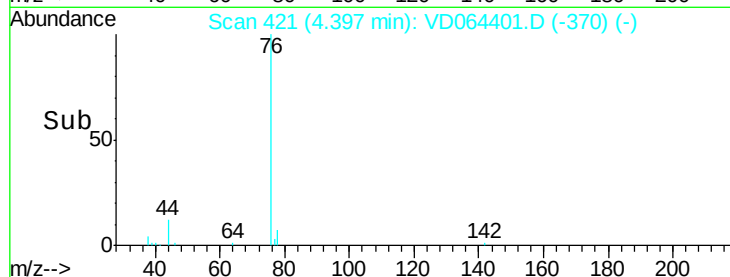
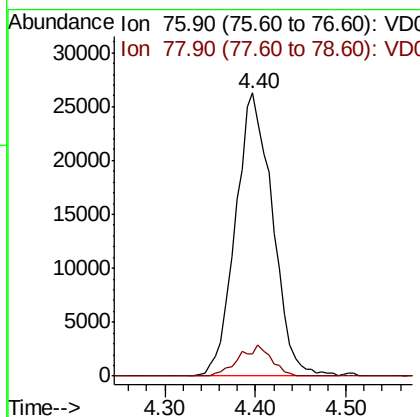
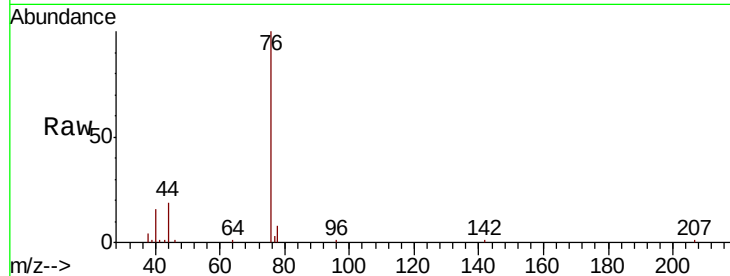
#17
Carbon Disulfide
Concen: 5.498 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.8	11.8#

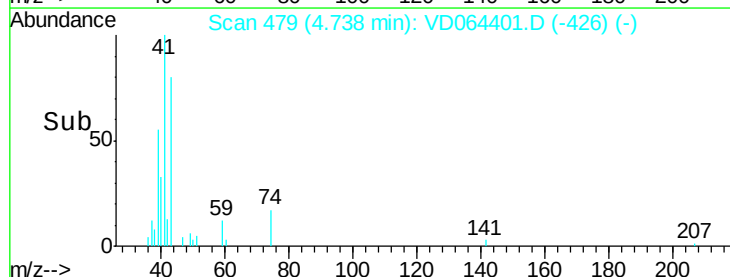
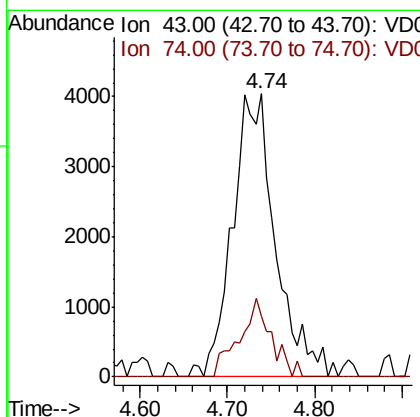
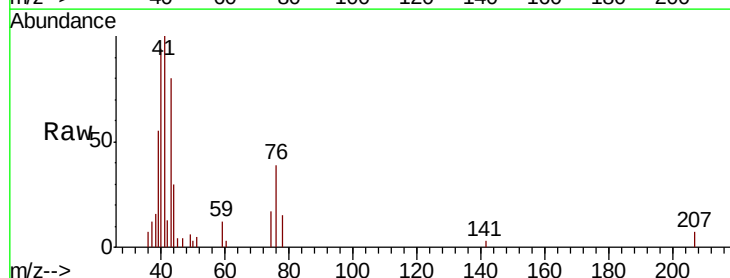
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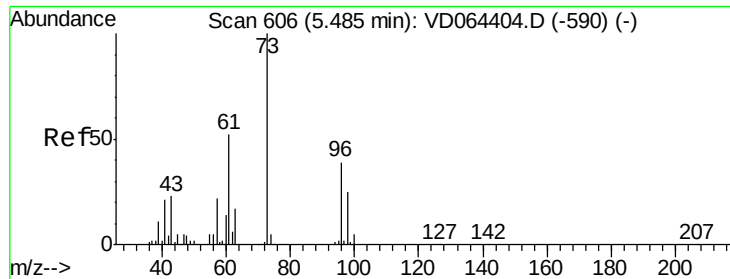
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#18
Methyl Acetate
Concen: 4.889 ug/l
RT: 4.74 min Scan# 479
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	19.7	29.5





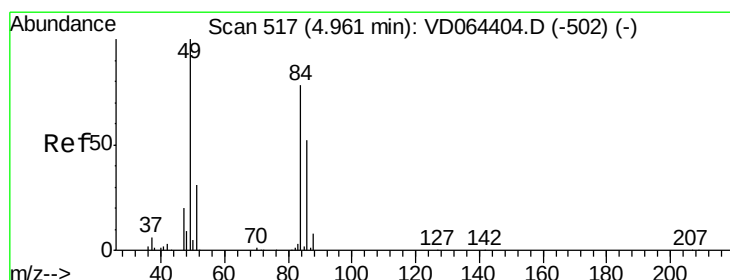
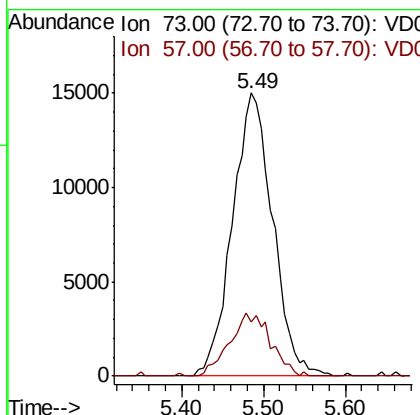
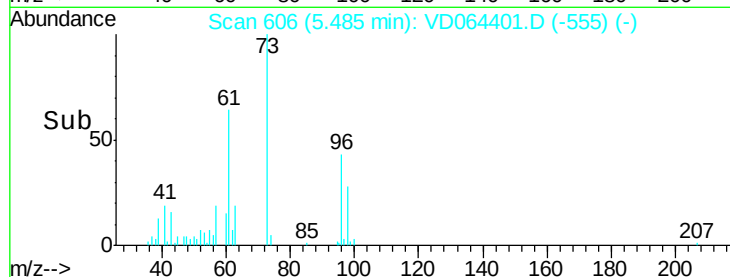
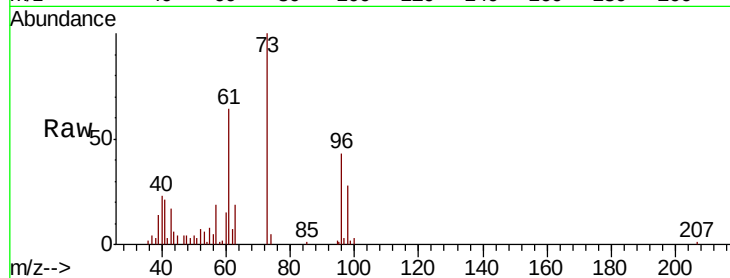
#19
Methyl tert-butyl Ether
Concen: 4.981 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 51363
Ion Ratio Lower Upper
73 100
57 19.2 17.6 26.4

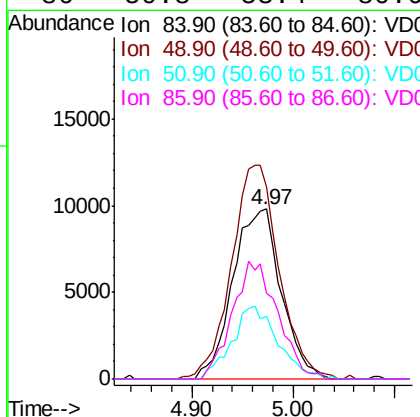
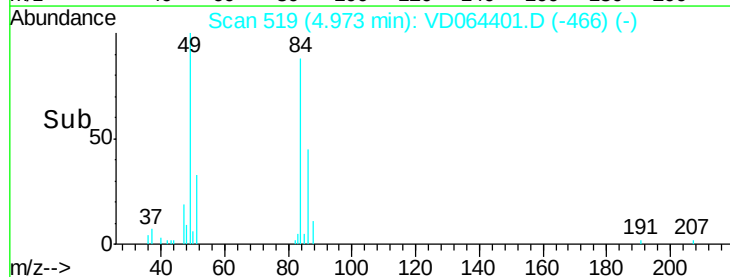
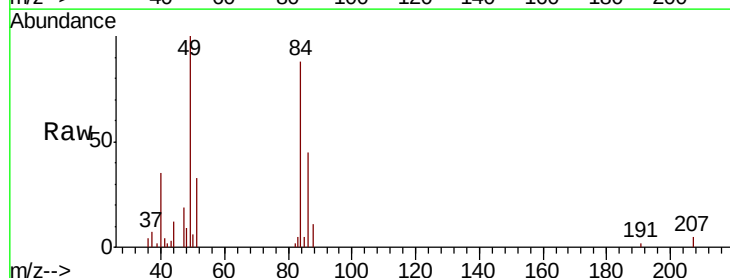
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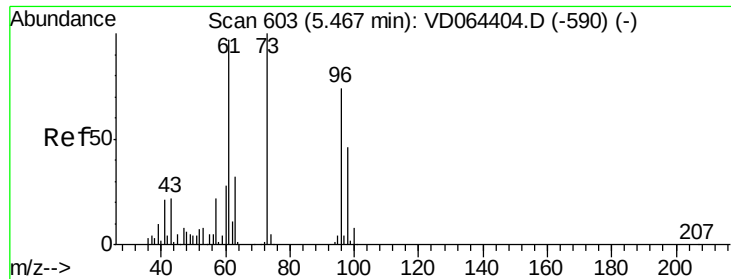
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#20
Methylene Chloride
Concen: 6.374 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 84 Resp: 32398
Ion Ratio Lower Upper
84 100
49 113.3 102.6 153.8
51 37.2 32.0 48.0
86 50.8 53.4 80.0#





#21

trans-1,2-Dichloroethene

Concen: 5.492 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 27008

Ion Ratio Lower Upper

96 100

61 121.4 105.8 158.6

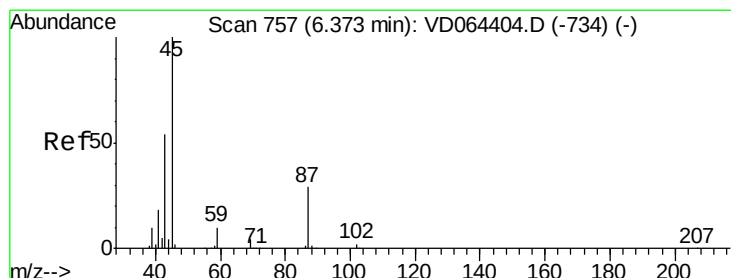
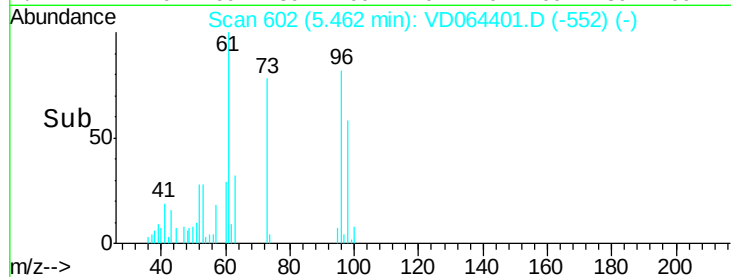
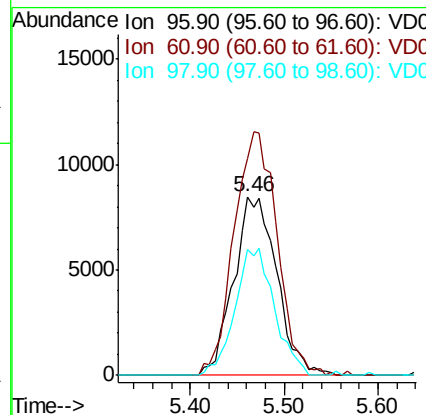
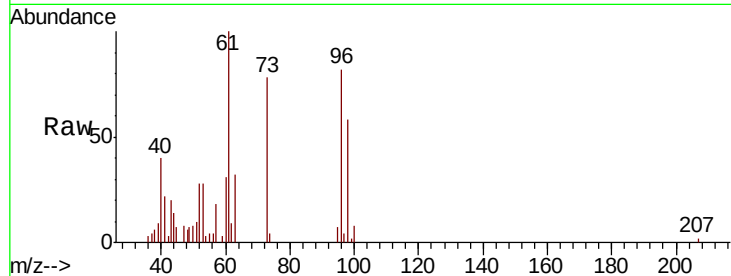
98 70.7 50.1 75.1

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#22

Diisopropyl ether

Concen: 4.962 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Tgt Ion: 45 Resp: 70002

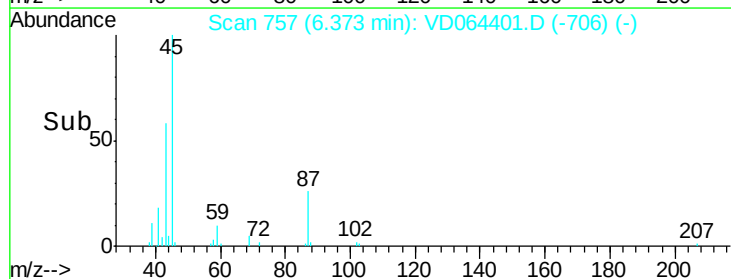
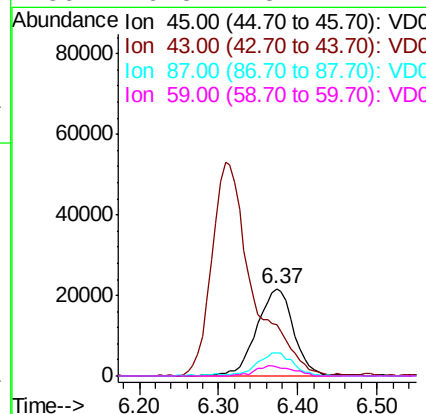
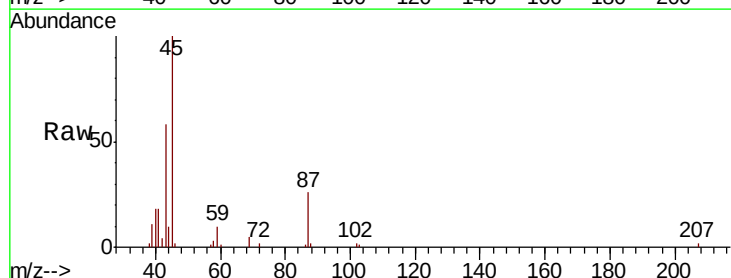
Ion Ratio Lower Upper

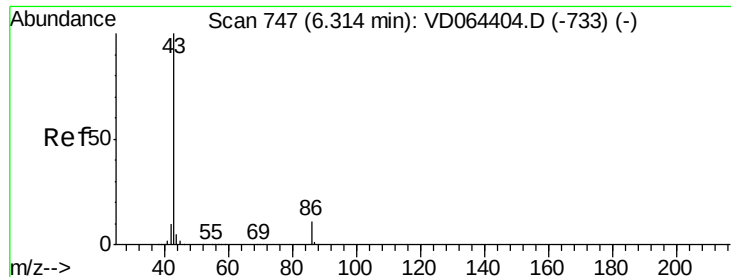
45 100

43 56.5 43.1 64.7

87 25.8 23.5 35.3

59 10.3 8.2 12.2





#23

Vinyl Acetate

Concen: 23.850 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 189094

Ion Ratio Lower Upper

43 100

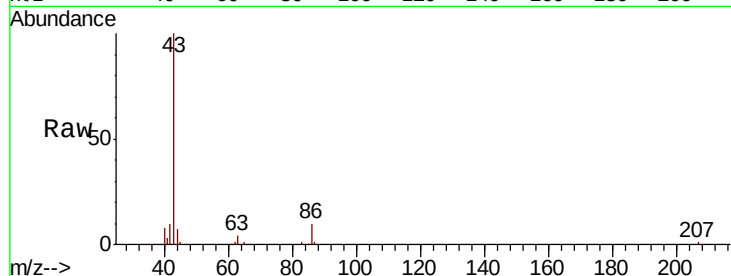
86 10.4 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

60000

50000

40000

30000

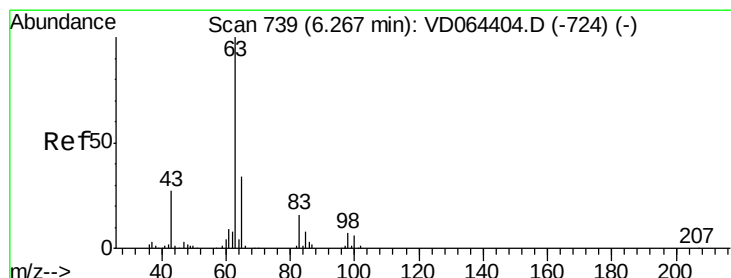
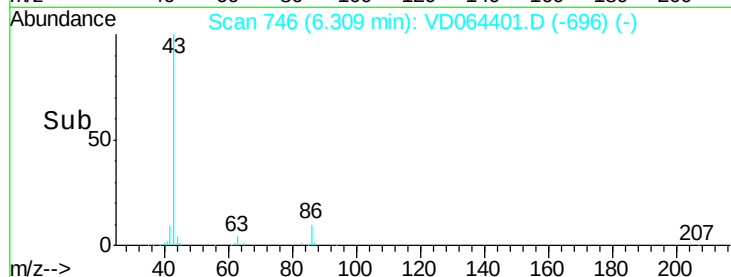
20000

10000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 5.215 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

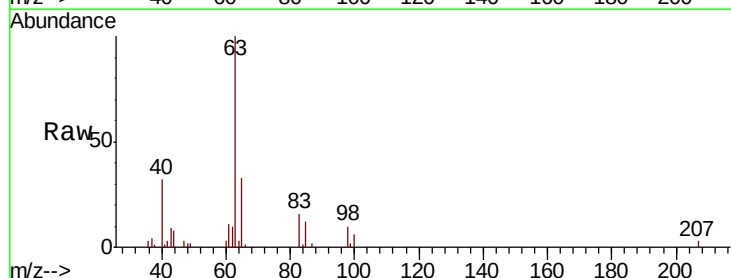
Tgt Ion: 63 Resp: 42911

Ion Ratio Lower Upper

63 100

98 10.0 3.6 10.9

100 5.6 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

15000

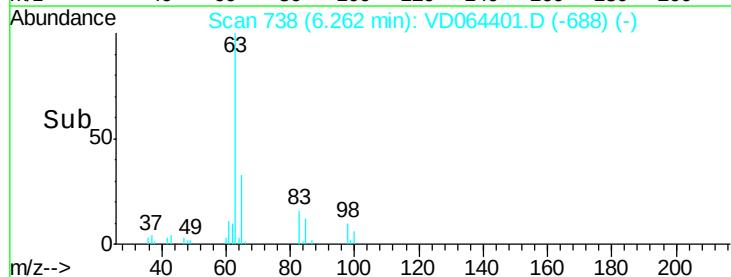
10000

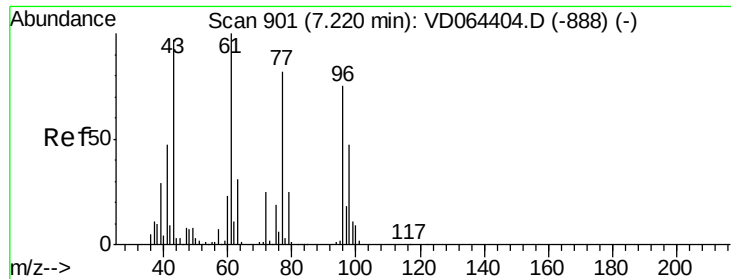
5000

0

6.20 6.30

Time-->





#25

2-Butanone

Concen: 25.323 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 32764

Ion Ratio Lower Upper

43 100

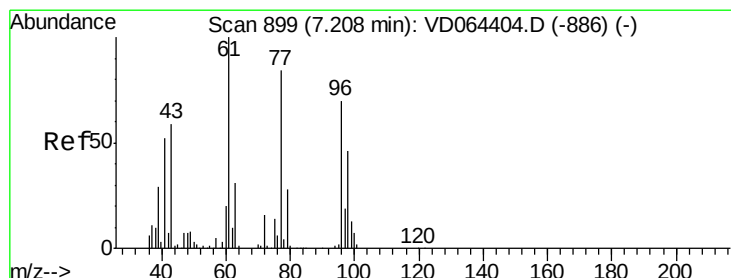
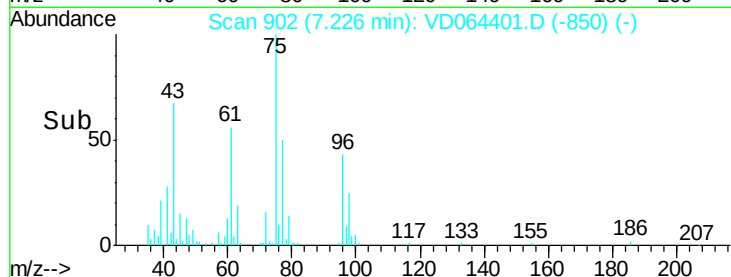
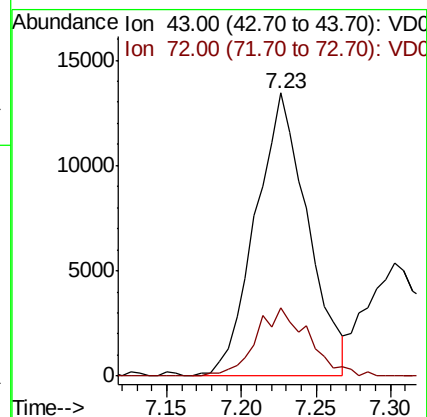
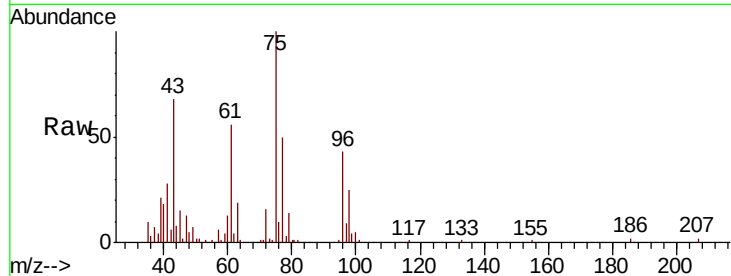
72 24.0 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 5.041 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064401.D

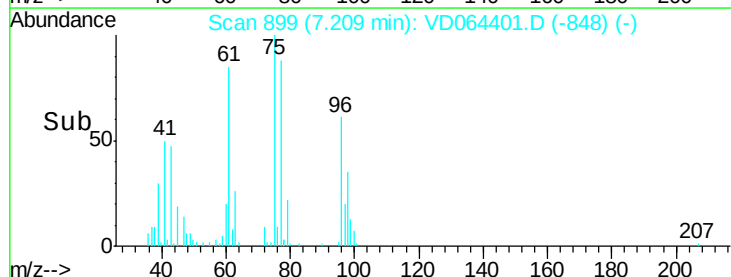
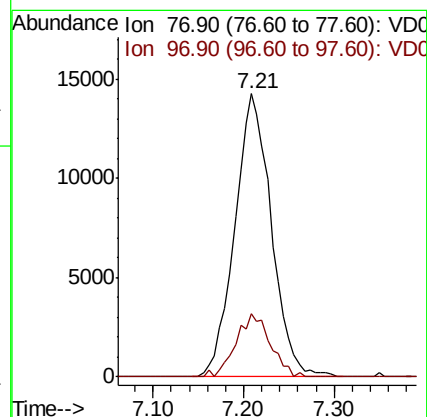
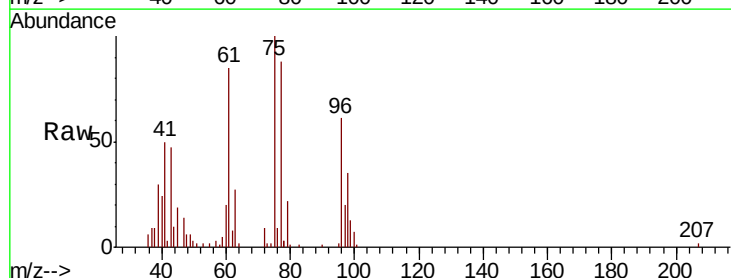
Acq: 27 Nov 2019 17:54

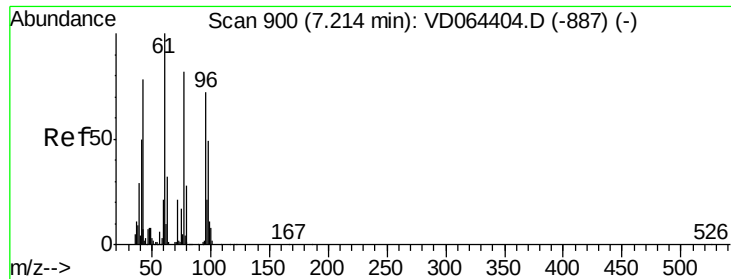
Tgt Ion: 77 Resp: 39892

Ion Ratio Lower Upper

77 100

97 20.8 11.6 34.7





#27

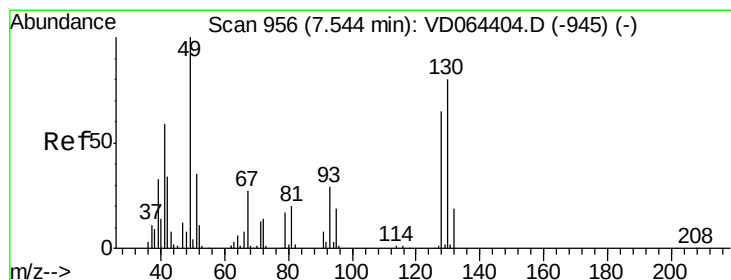
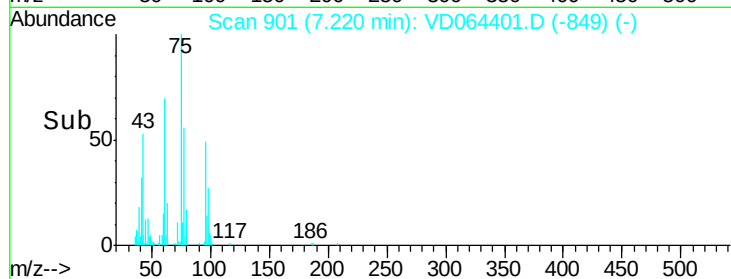
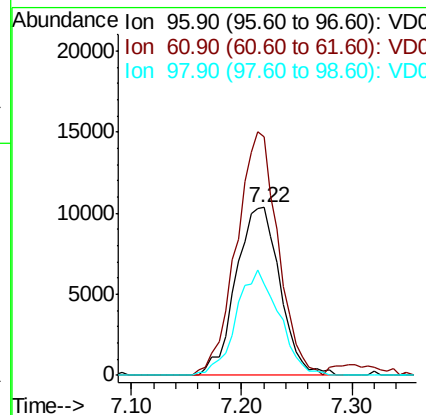
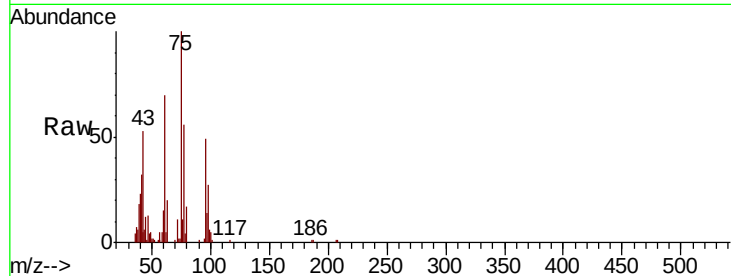
cis-1,2-Dichloroethene
Concen: 5.489 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	279.6
98	61.3	0.0	129.2

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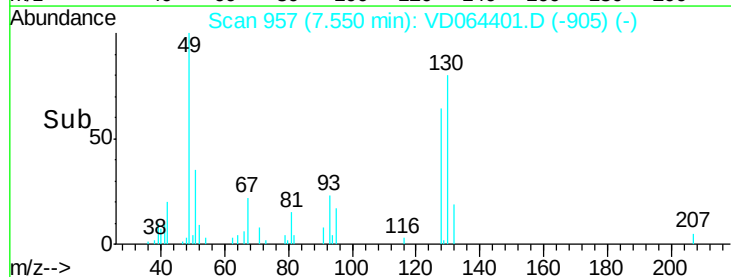
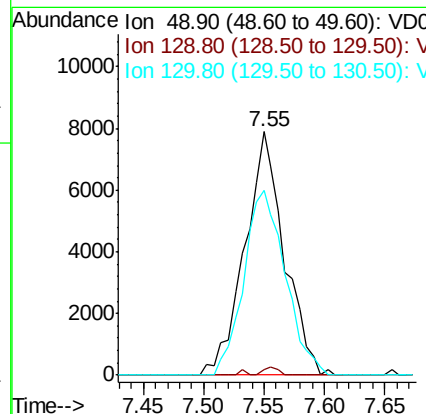
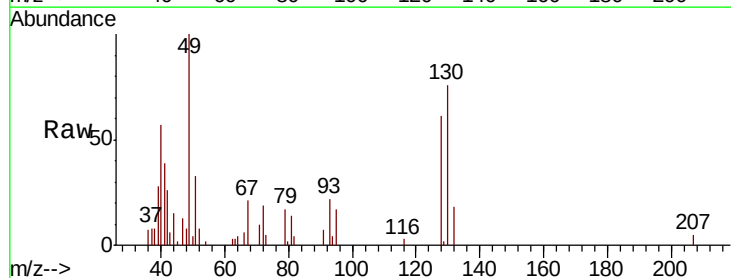
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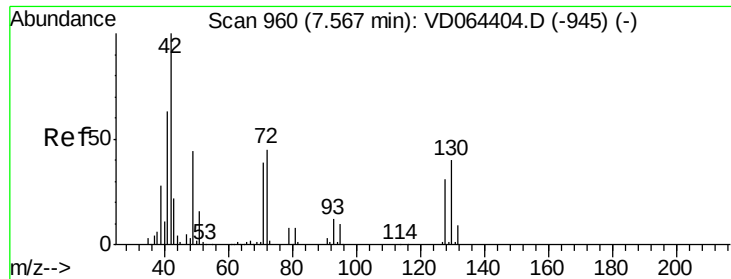


#28

Bromochloromethane
Concen: 6.263 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	79.8	67.4	101.0





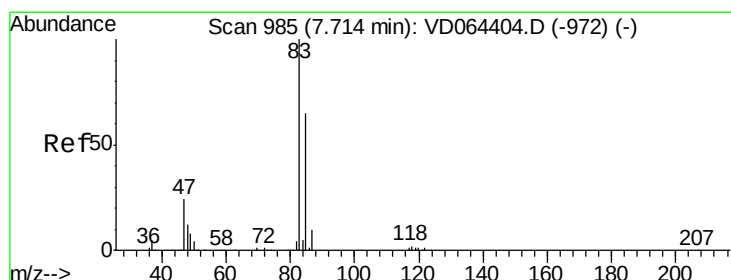
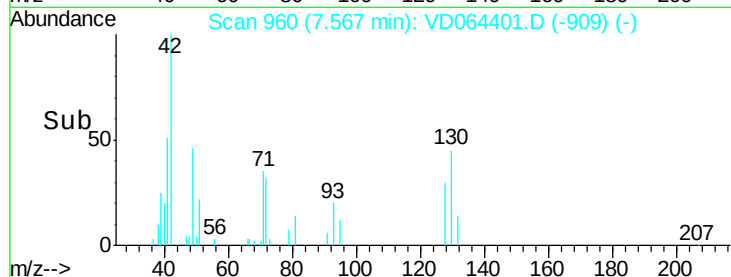
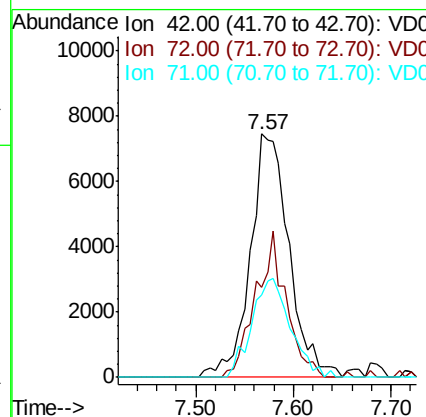
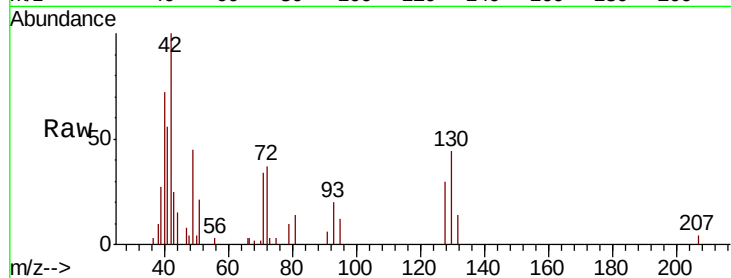
#29
Tetrahydrofuran
Concen: 26.553 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	35.8	53.8
71	40.8	32.7	49.1

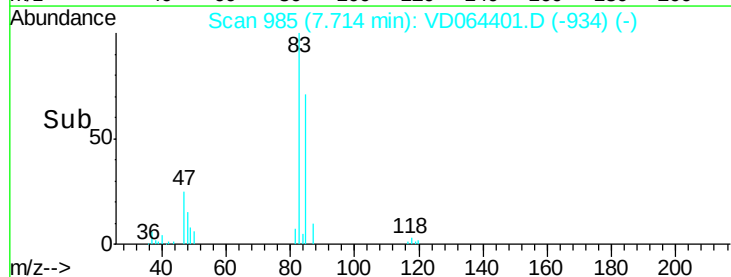
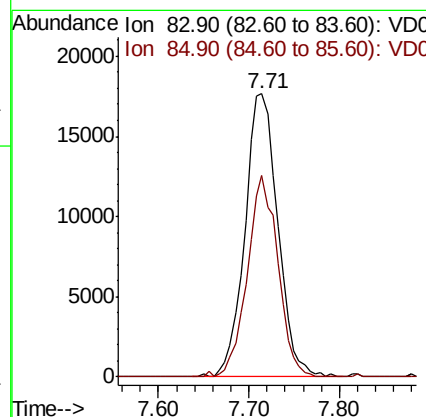
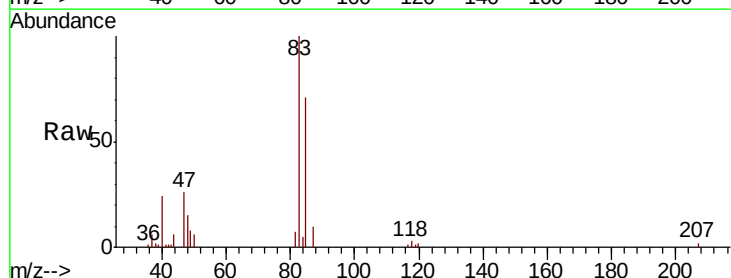
Manual Integrations
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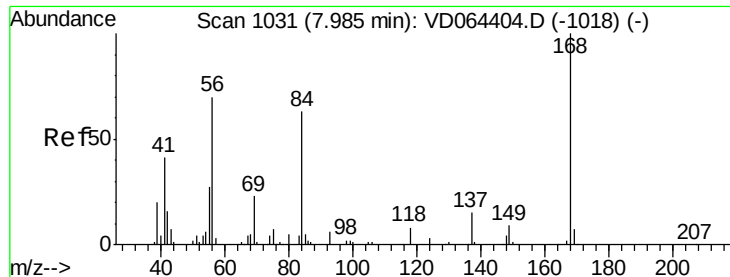
apatel
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#30
Chloroform
Concen: 5.271 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.1	51.8	77.6





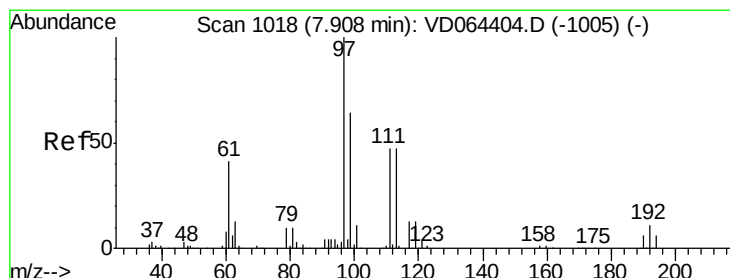
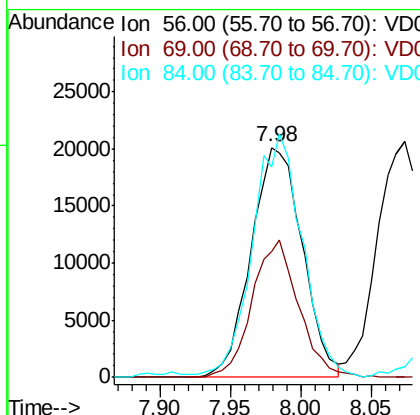
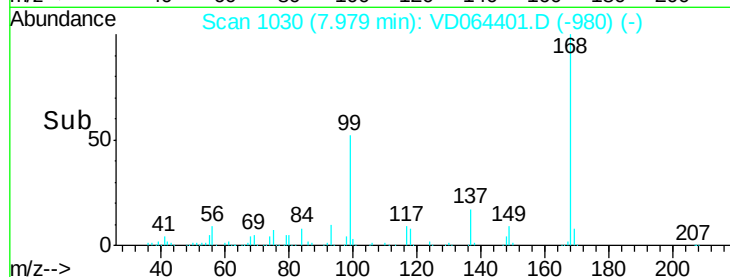
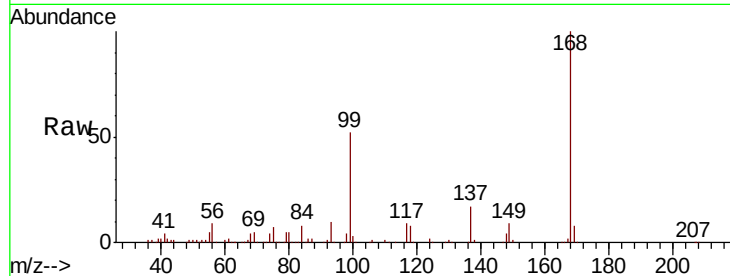
#31
Cyclohexane
Concen: 6.199 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	54.8	26.2	39.4	
84	90.3	70.3	105.5	

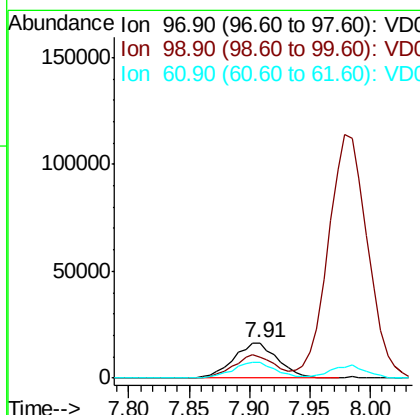
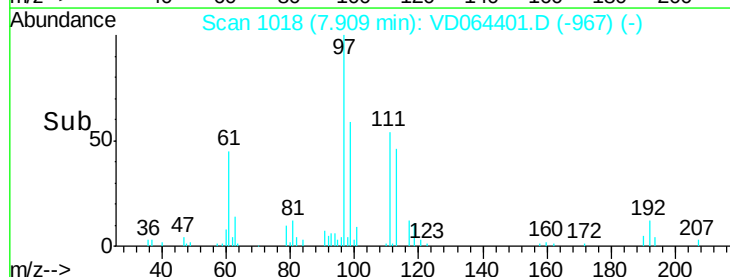
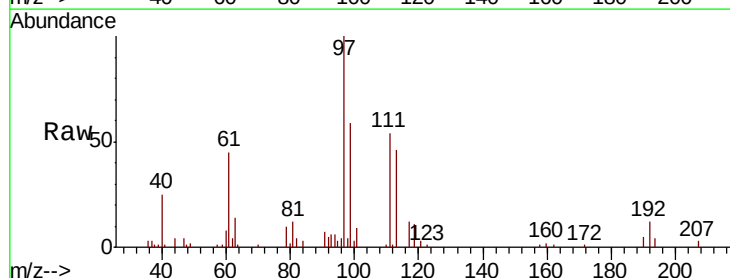
Manual Integrations
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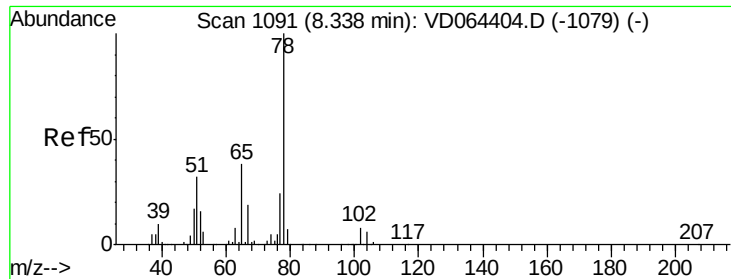
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#32
1,1,1-Trichloroethane
Concen: 5.163 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	61.6	51.4	77.2	
61	45.0	35.0	52.4	





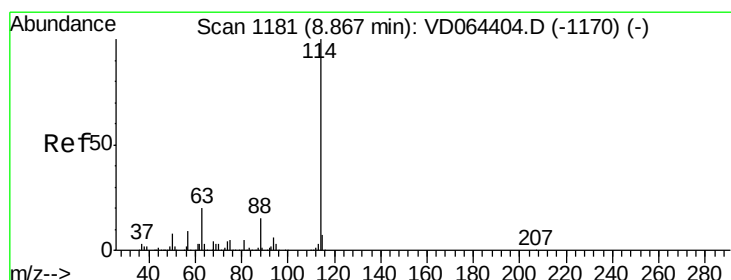
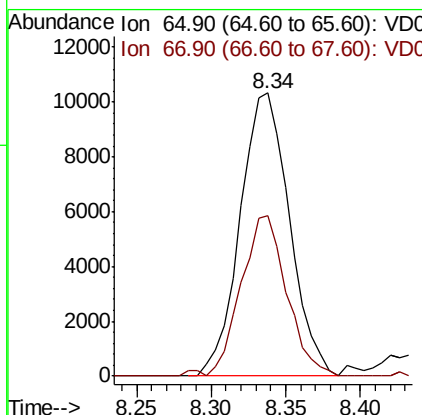
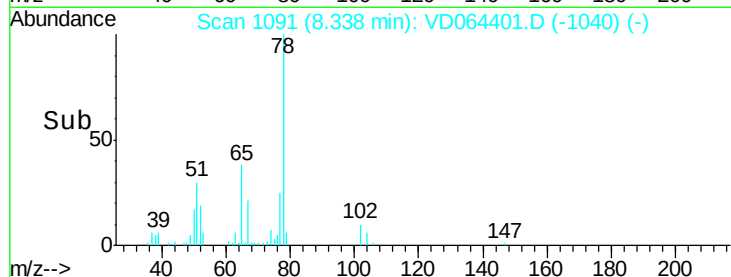
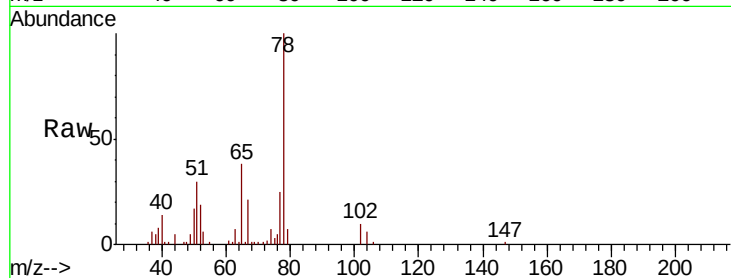
#33
 1,2-Dichloroethane-d4
 Concen: 5.620 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.0

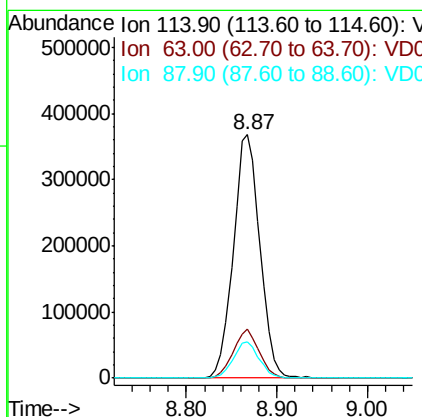
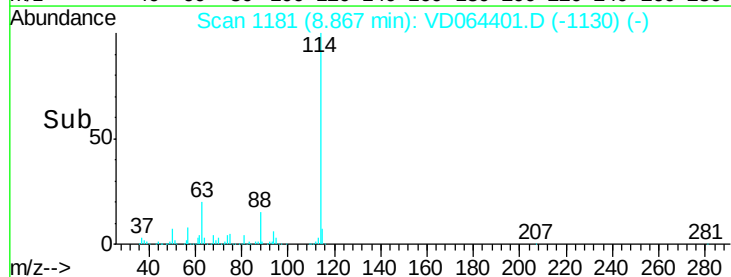
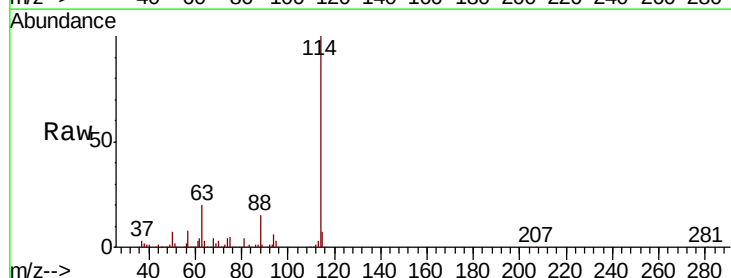
Manual Integrations
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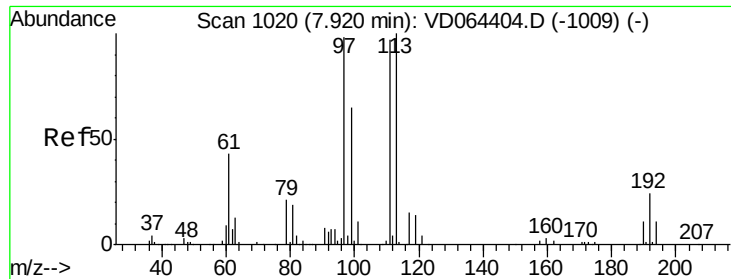
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	14.7	0.0	29.2





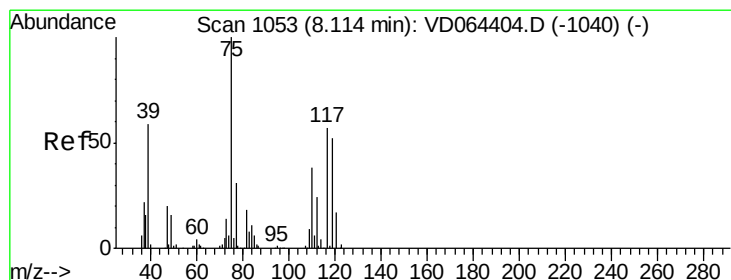
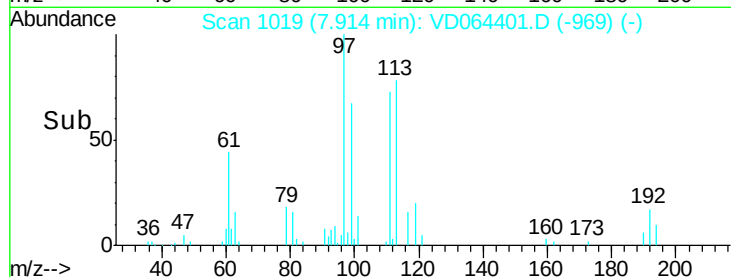
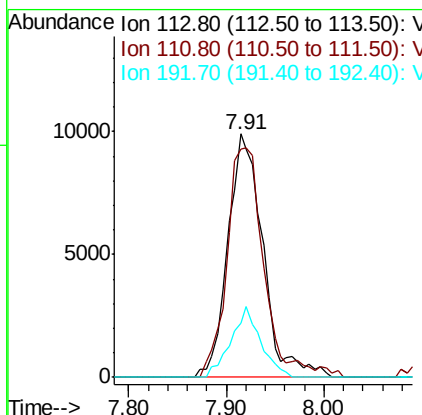
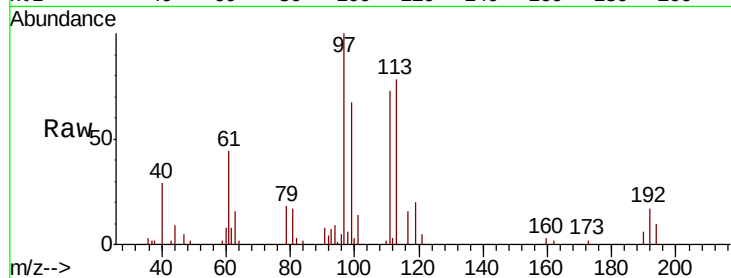
#35
 Dibromofluoromethane
 Concen: 5.746 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.7	79.4	119.2
192	24.4	18.6	28.0

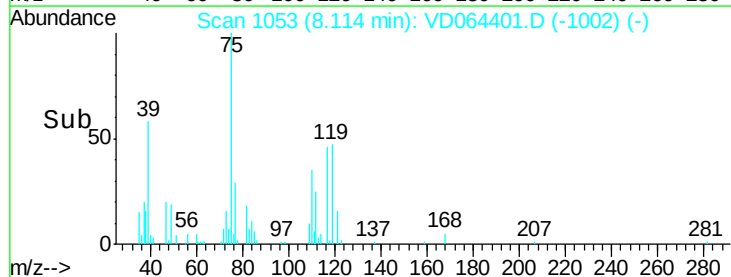
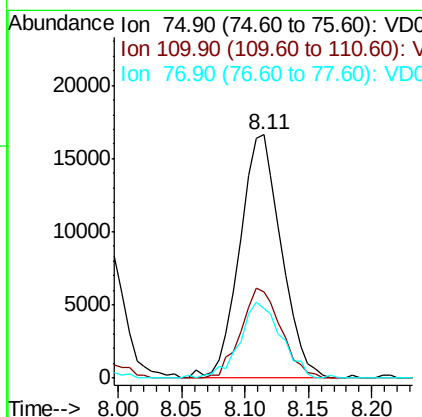
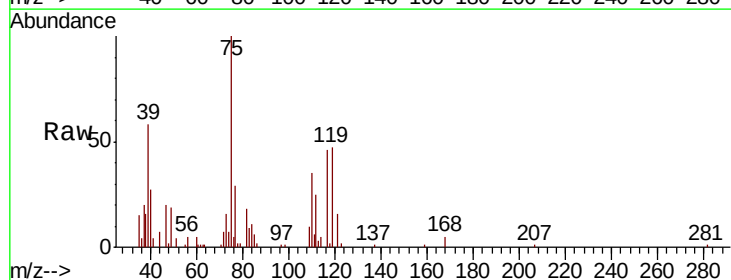
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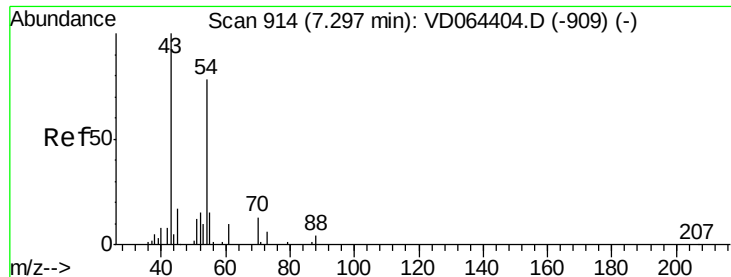
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#36
 1,1-Dichloropropene
 Concen: 5.504 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.6	55.8
77	31.1	25.0	37.4





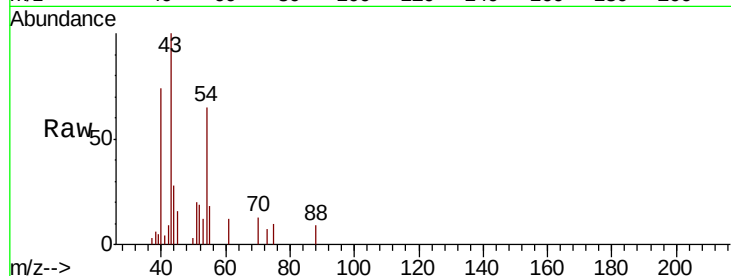
#37
Ethyl Acetate
Concen: 4.818 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.9	16.3
70	12.4	8.3	12.5

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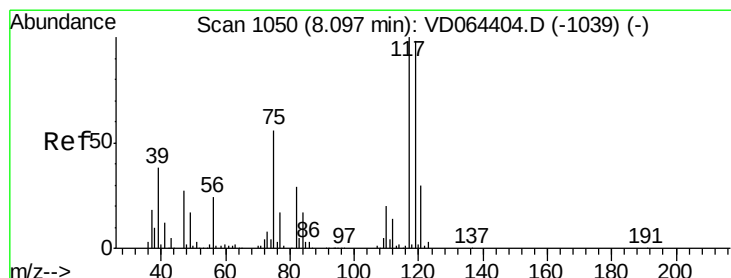
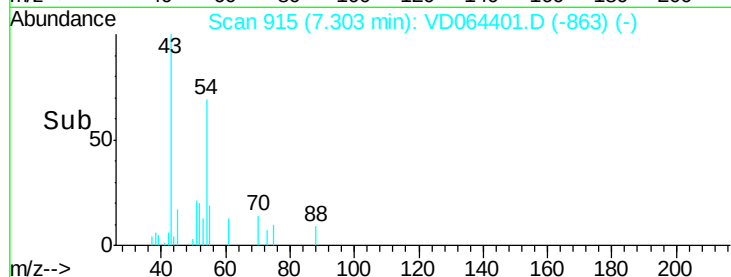
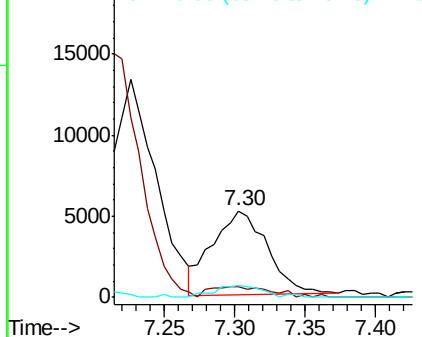


Abundance

Ion 43.00 (42.70 to 43.70): VDC

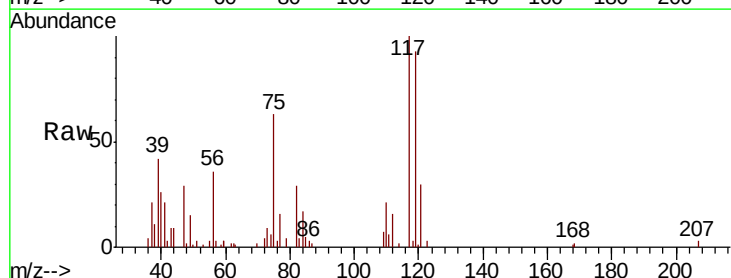
Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38
Carbon Tetrachloride
Concen: 4.965 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	78.8	118.2
121	29.8	24.2	36.2

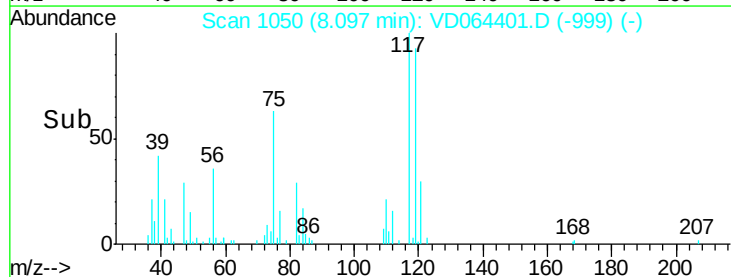
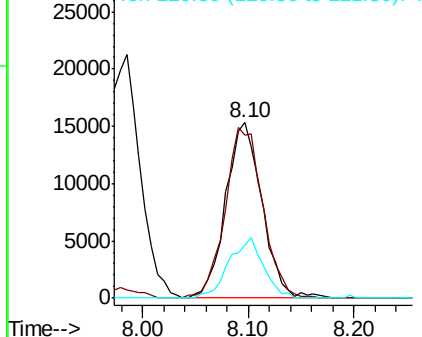


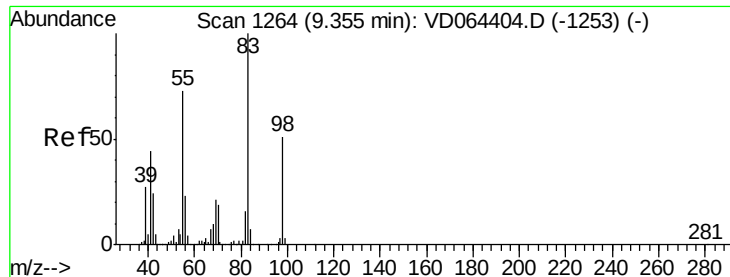
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





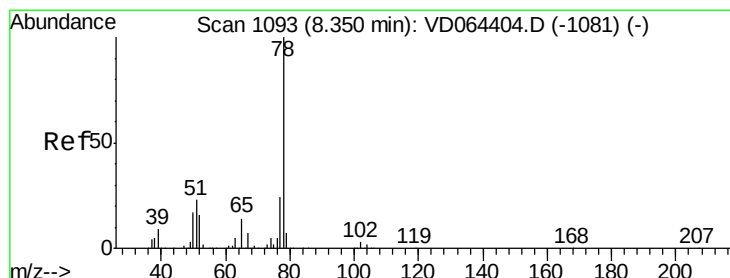
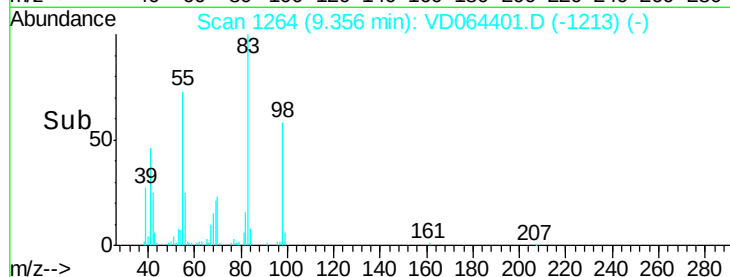
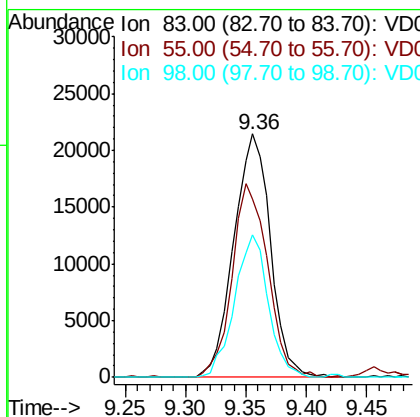
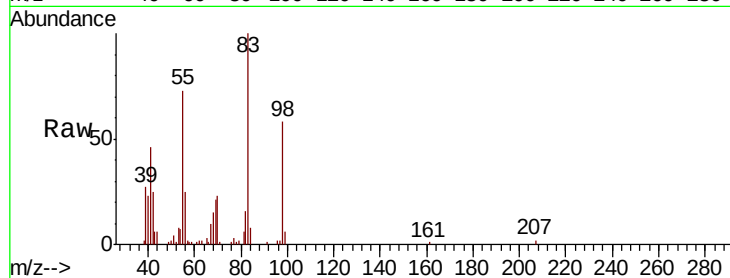
#39
Methylvlcyclohexane
Concen: 5.194 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	58.6	87.8
98	58.3	40.9	61.3

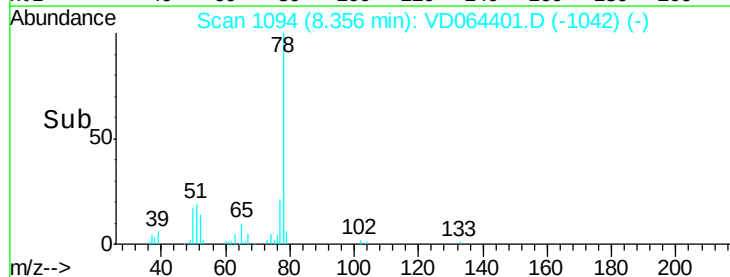
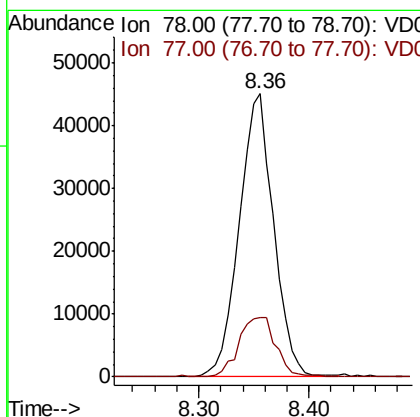
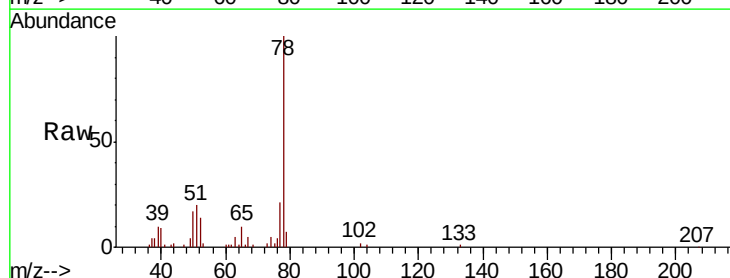
Manual Integrations
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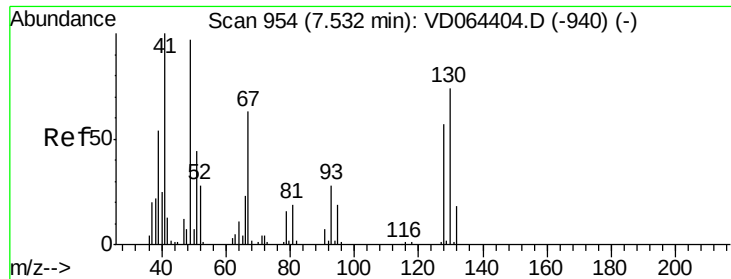
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#40
Benzene
Concen: 5.214 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.2	19.6	29.4





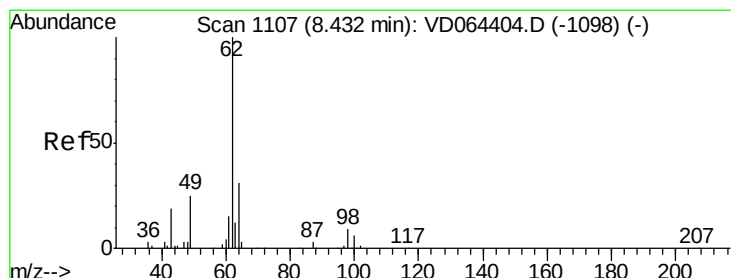
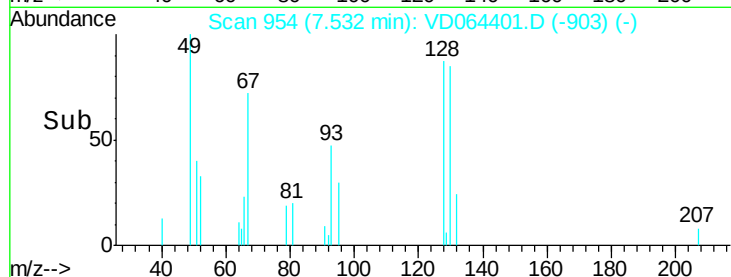
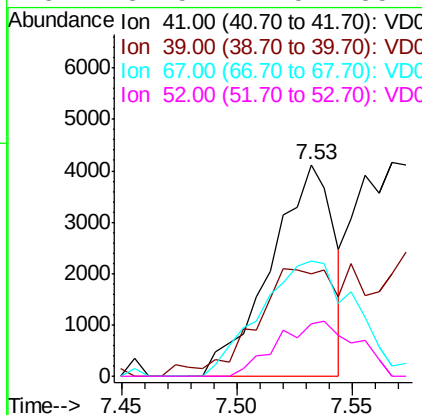
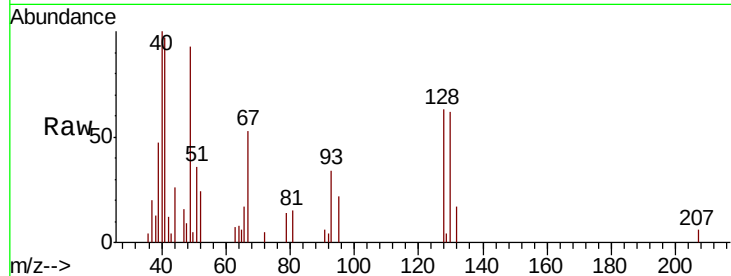
#41
Methacrylonitrile
Concen: 4.279 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

Tot Ion	41	Resp	7836
Ion	Ratio	Lower	Upper
41	100		
39	64.2	44.6	67.0
67	81.3	50.9	76.3
52	32.5	22.5	33.7

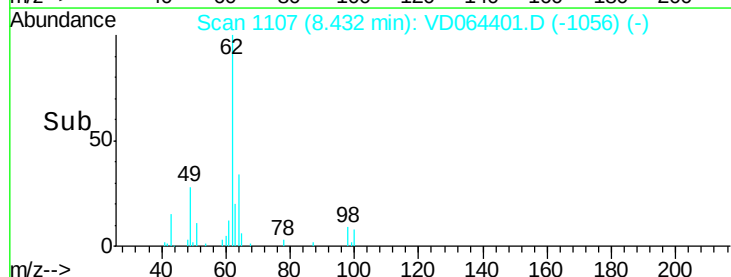
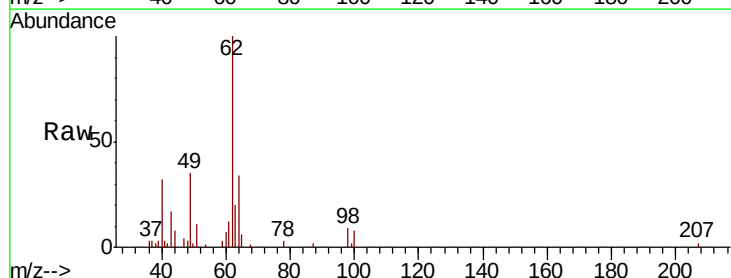
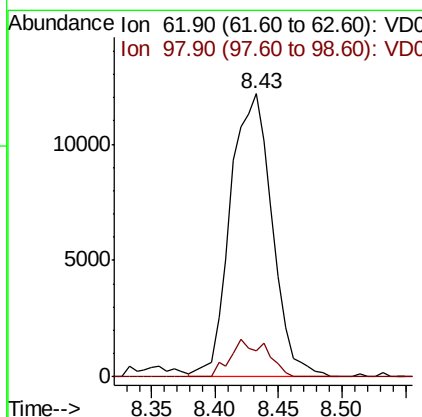
Manual Integrations
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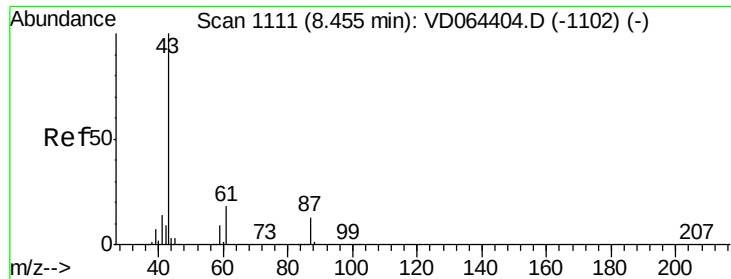
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#42
1,2-Dichloroethane
Concen: 4.918 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	62	Resp	27816
Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	20.6





#43

Isopropyl Acetate

Concen: 4.698 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

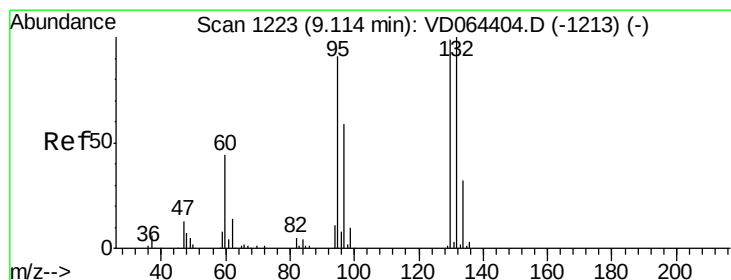
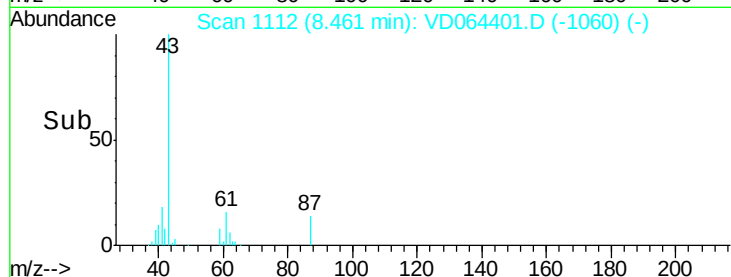
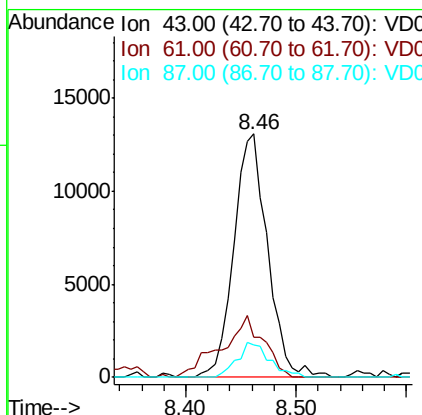
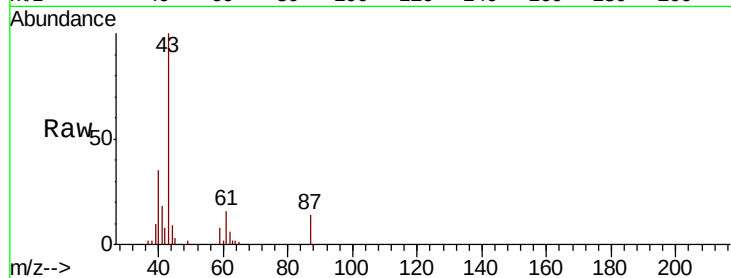
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	28086
Ion Ratio	Lower	Upper	
43	100		
61	31.1	24.0	36.0
87	13.9	10.6	15.8

Manual Integrations
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#44

Trichloroethene

Concen: 5.362 ug/l

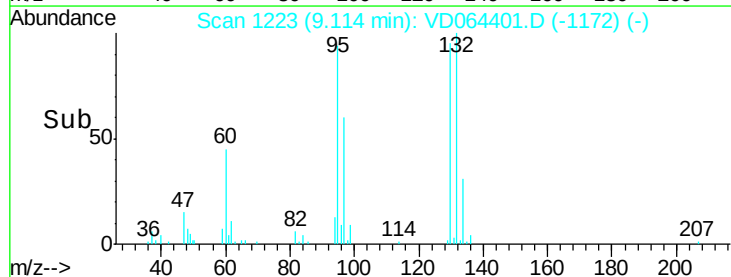
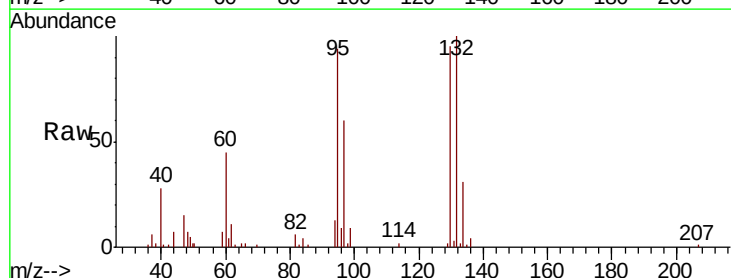
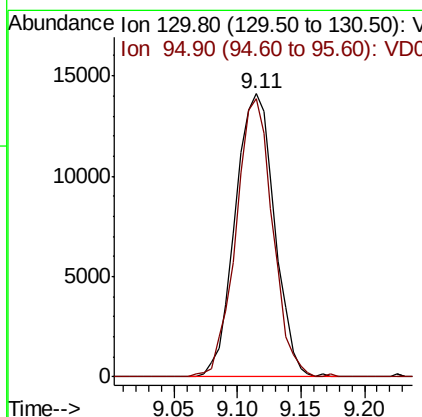
RT: 9.11 min Scan# 1223

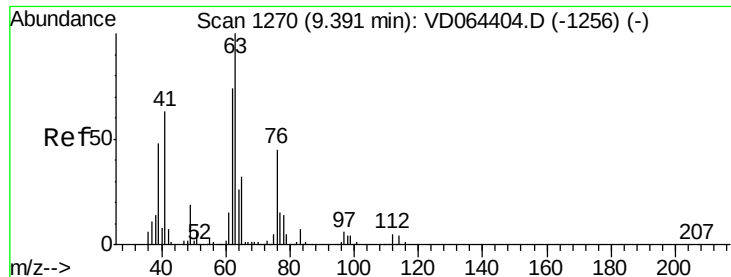
Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Tgt Ion:	130	Resp:	30337
Ion Ratio	Lower	Upper	
130	100		
95	98.5	0.0	184.6





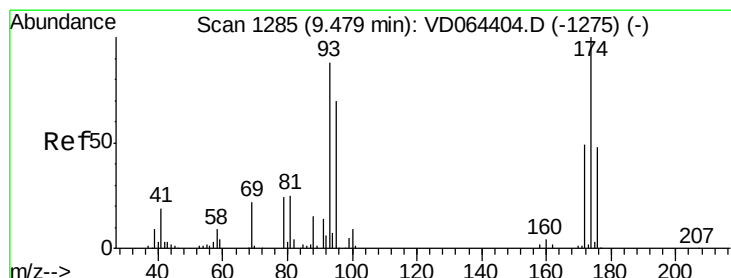
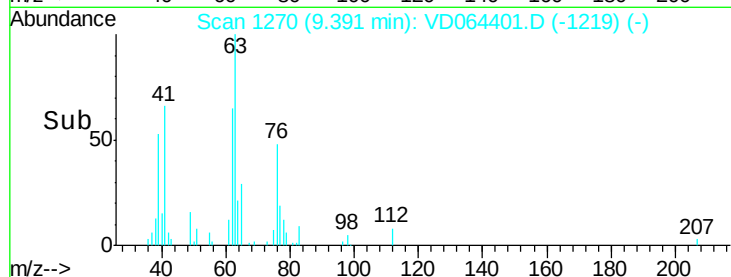
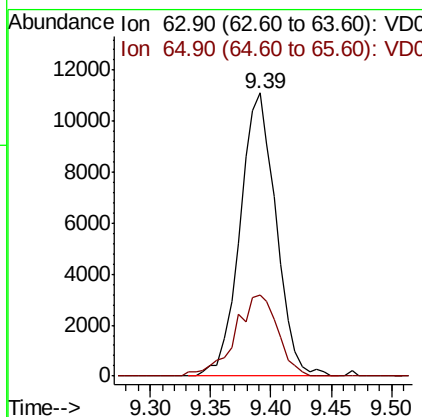
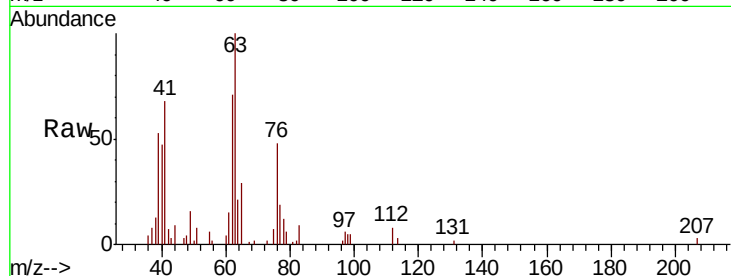
#45
 1,2-Dichloropropane
 Concen: 5.006 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.6	25.4	38.0

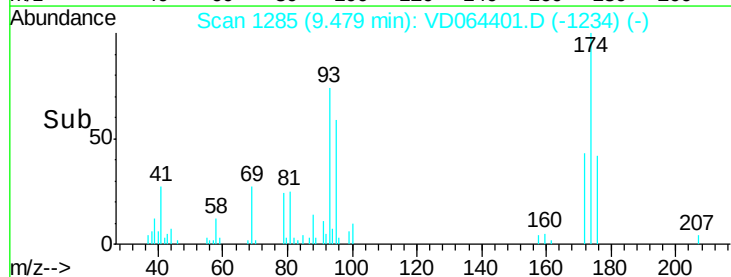
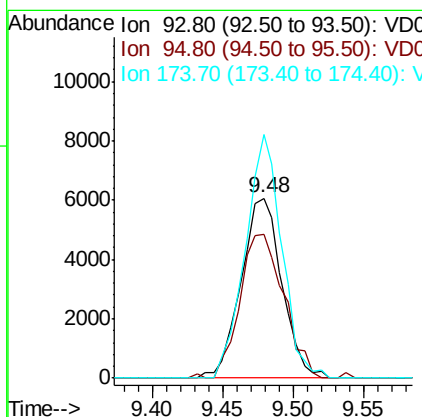
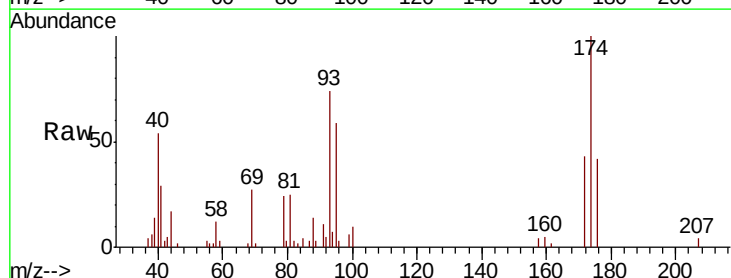
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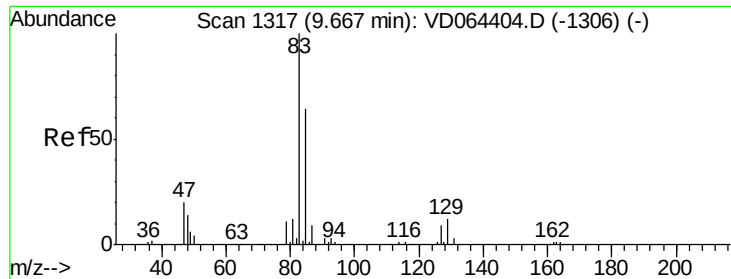
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#46
 Dibromomethane
 Concen: 4.942 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.1	66.7	100.1
174	121.0	92.3	138.5





#47

Bromodichloromethane

Concen: 4.848 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

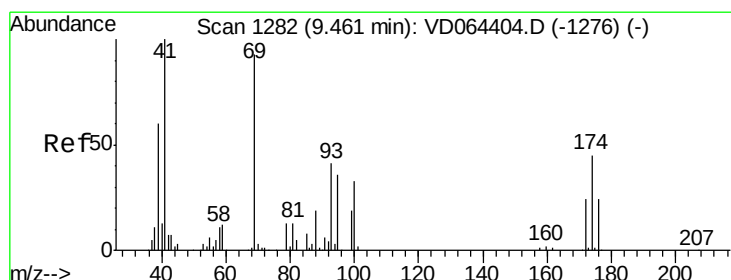
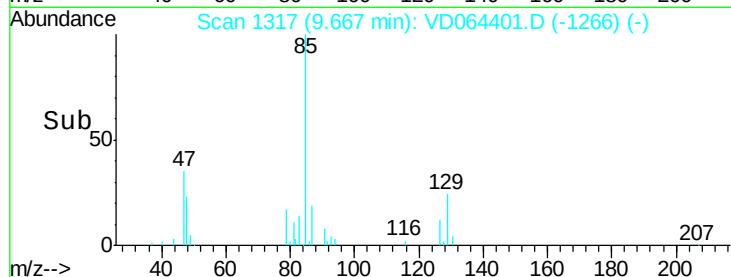
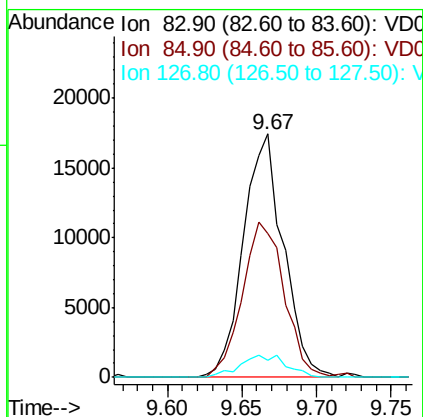
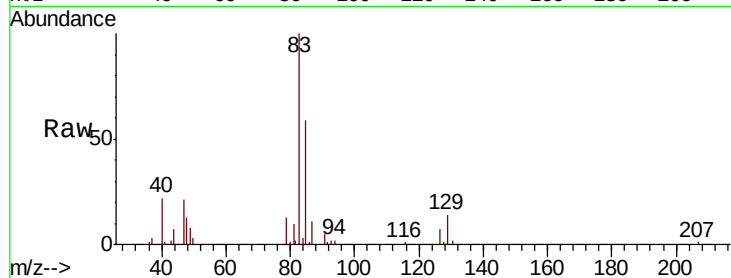
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	32276
Ion	Ratio	Lower	Upper
83	100		
85	59.0	51.1	76.7
127	7.0	7.4	11.0#

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#48

Methyl methacrylate

Concen: 4.269 ug/l

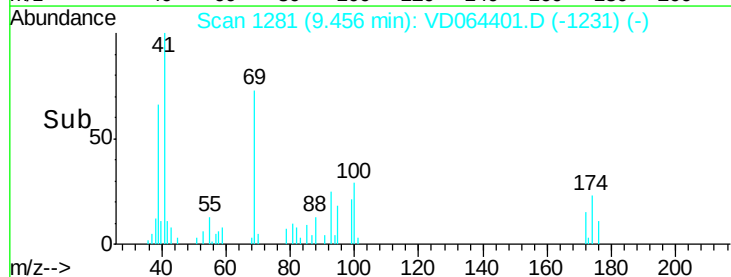
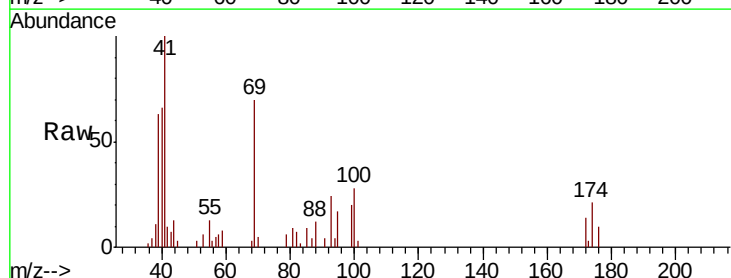
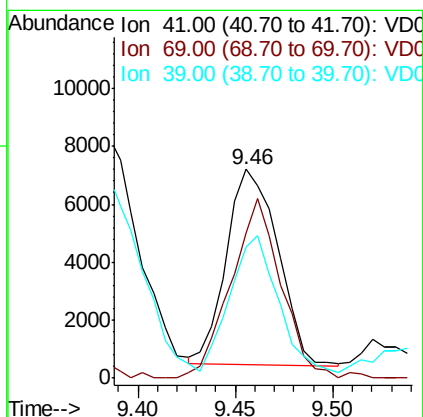
RT: 9.46 min Scan# 1281

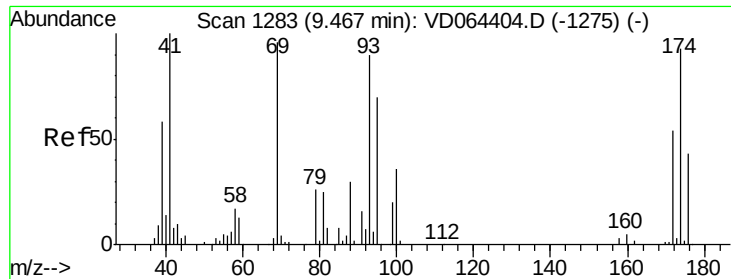
Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Tgt Ion:	41	Resp:	12383
Ion	Ratio	Lower	Upper
41	100		
69	88.6	72.0	108.0
39	65.8	55.2	82.8





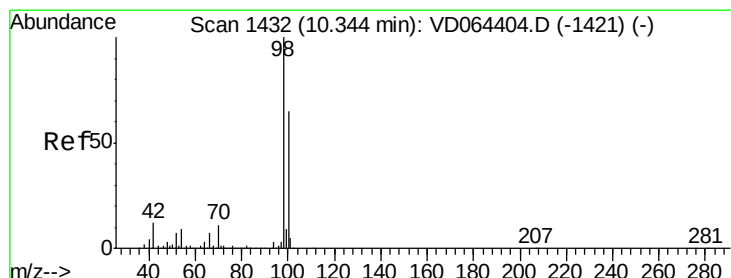
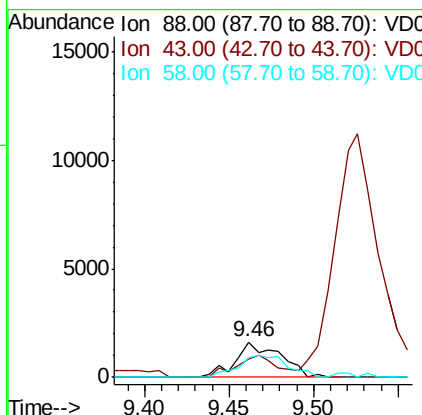
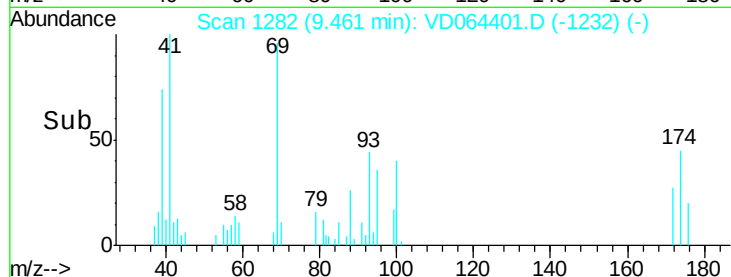
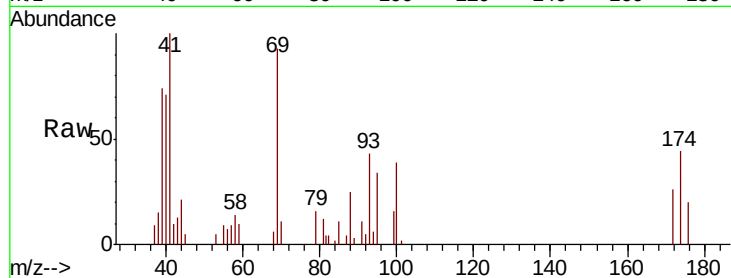
#49
1,4-Dioxane
Concen: 99.900 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	58.2	26.7	40.1#
58	69.0	52.3	78.5

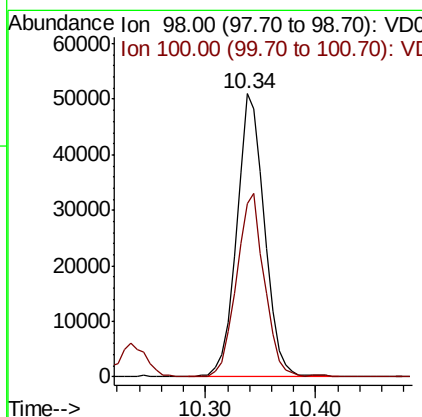
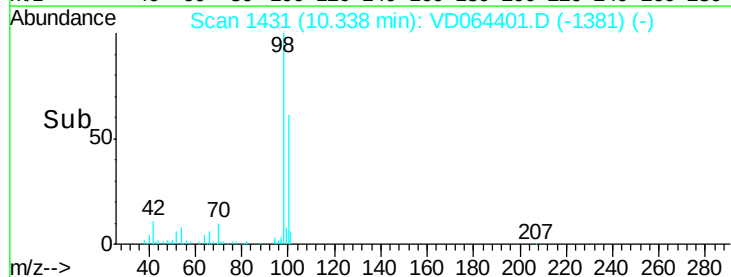
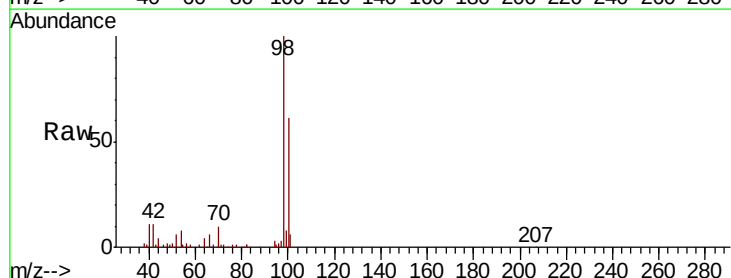
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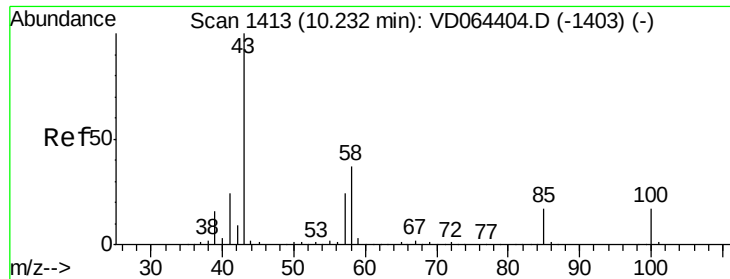
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#50
Toluene-d8
Concen: 5.576 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 23.005 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 66302

Ion Ratio Lower Upper

43 100

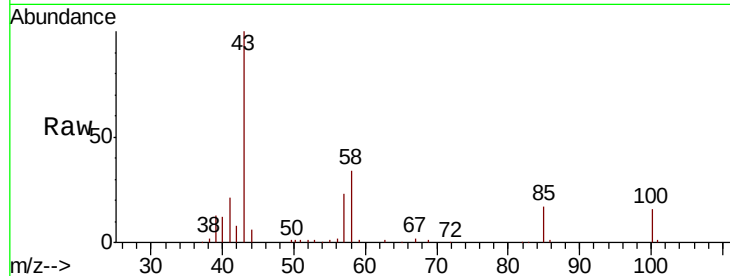
58 38.1 30.6 46.0

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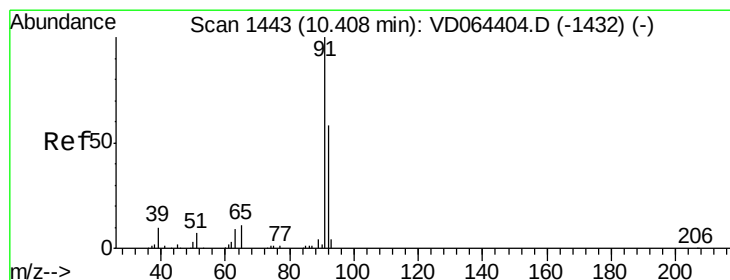
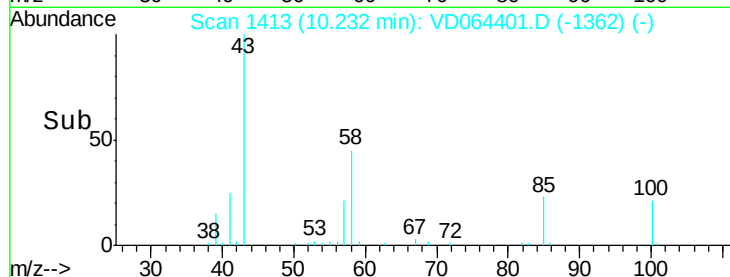
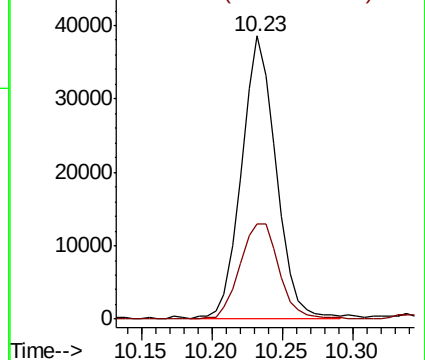
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 5.039 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064401.D

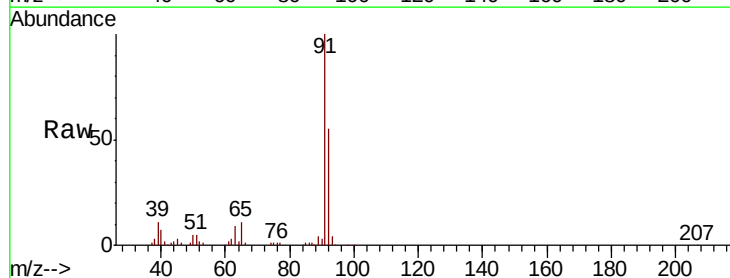
Acq: 27 Nov 2019 17:54

Tgt Ion: 92 Resp: 62498

Ion Ratio Lower Upper

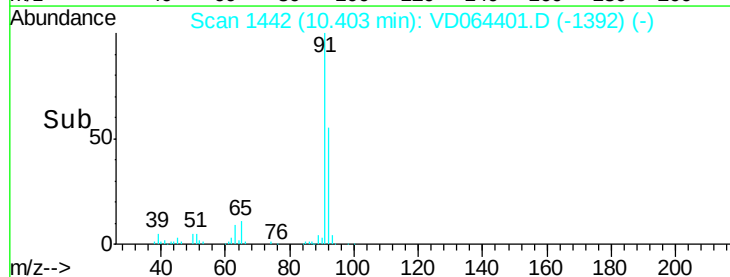
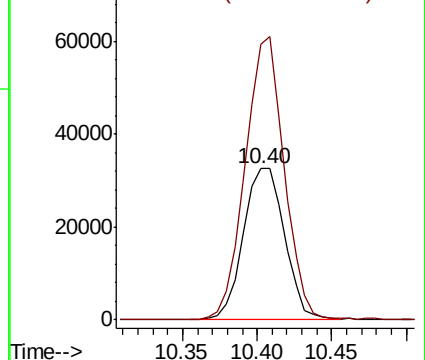
92 100

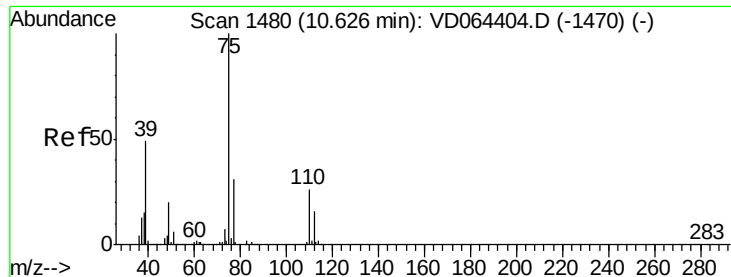
91 177.0 137.8 206.6



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: 4.593 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 30377

Ion Ratio Lower Upper

75 100

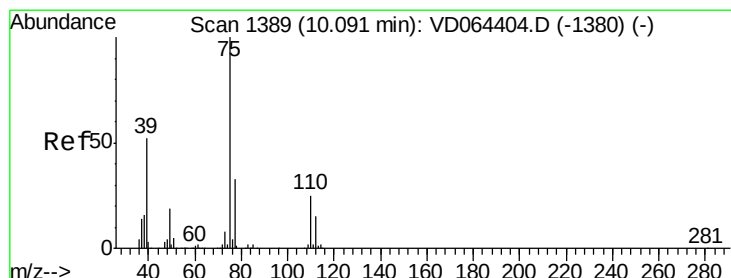
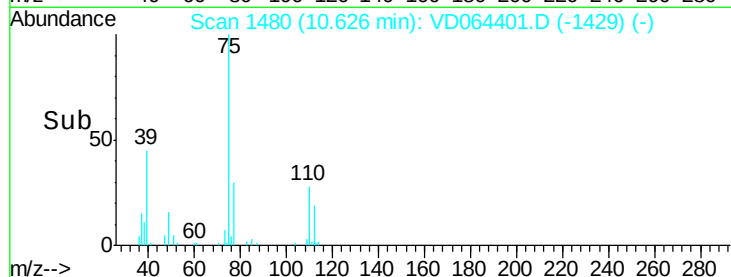
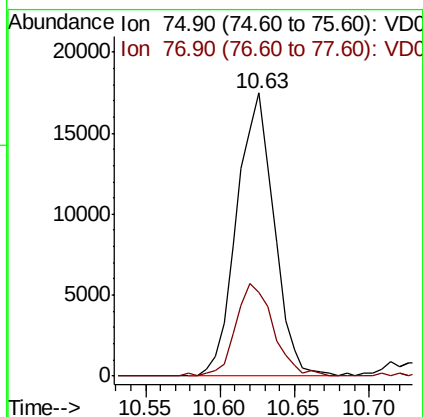
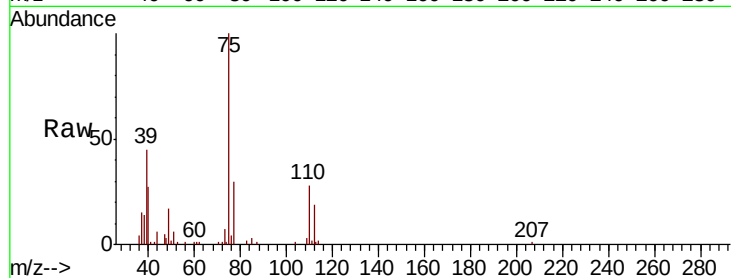
77 29.6 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 4.820 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

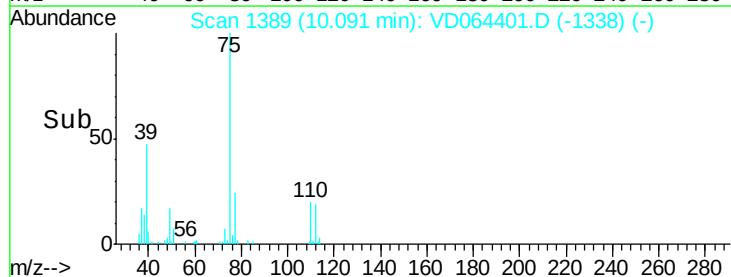
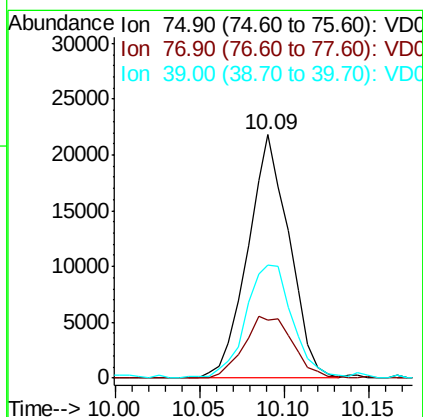
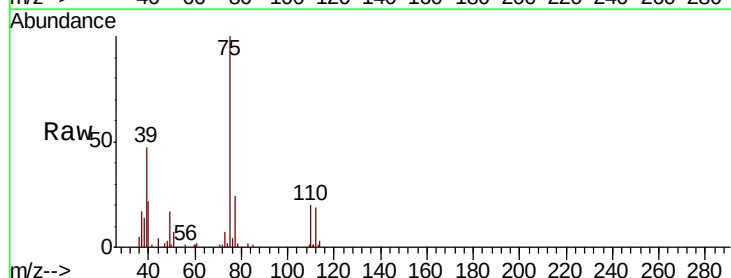
Tgt Ion: 75 Resp: 37271

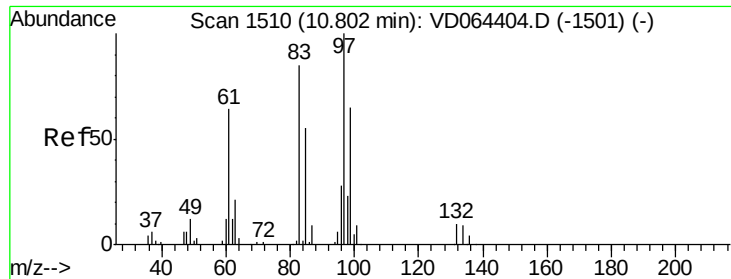
Ion Ratio Lower Upper

75 100

77 23.9 26.1 39.1#

39 45.9 41.5 62.3





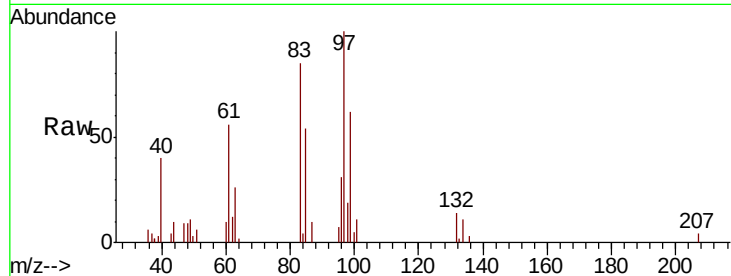
#55
 1,1,2-Trichloroethane
 Concen: 5.391 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

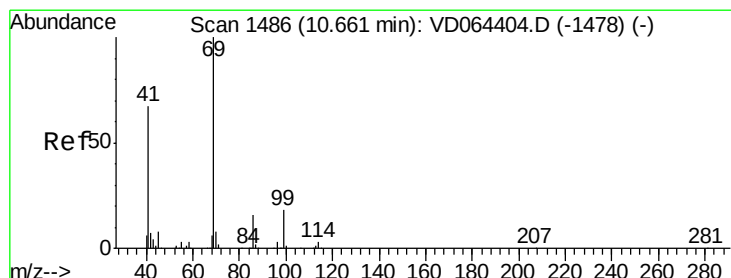
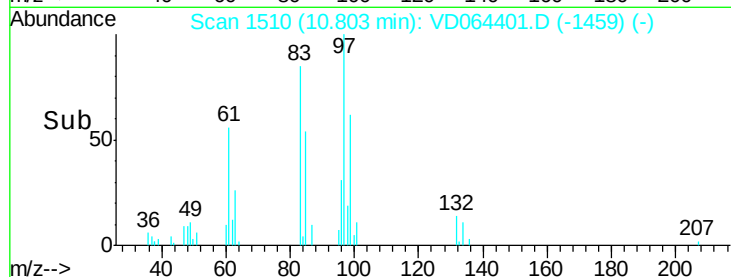
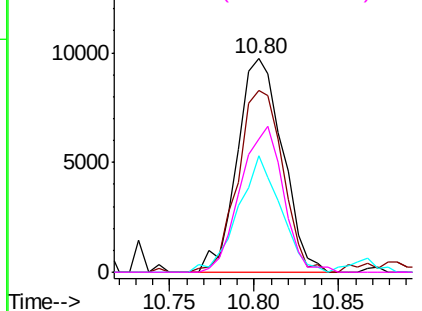
Tot Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.8	101.8
85	54.5	43.7	65.5
99	62.1	51.7	77.5

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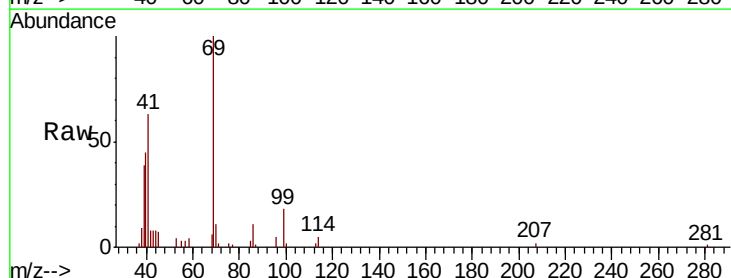


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

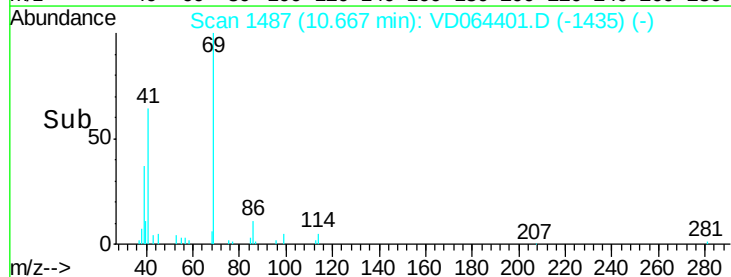
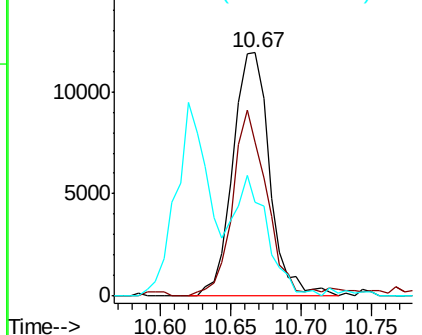


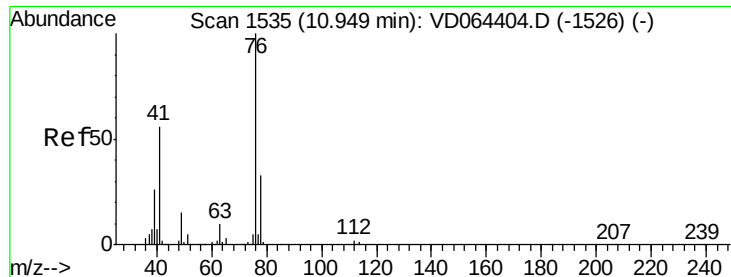
#56
 Ethyl methacrylate
 Concen: 4.671 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.0	82.4
39	45.8	33.0	49.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





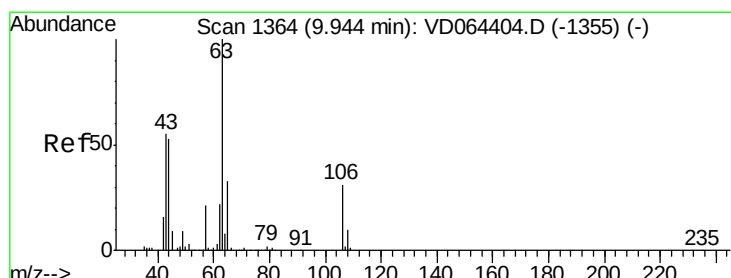
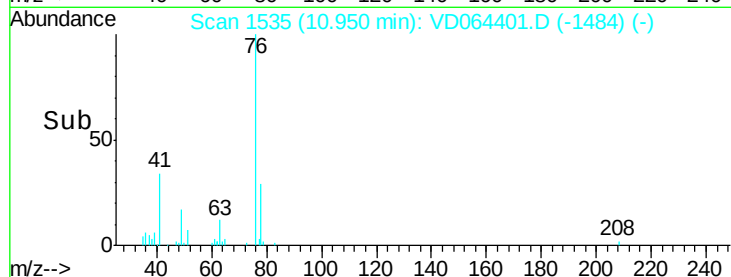
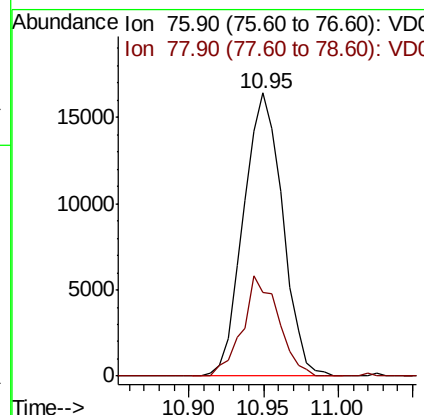
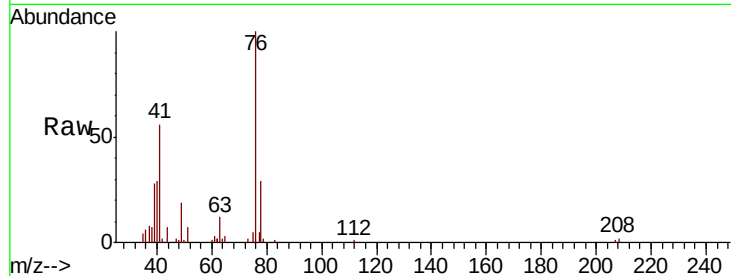
#57
 1,3-Dichloropropane
 Concen: 5.088 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 29797
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0

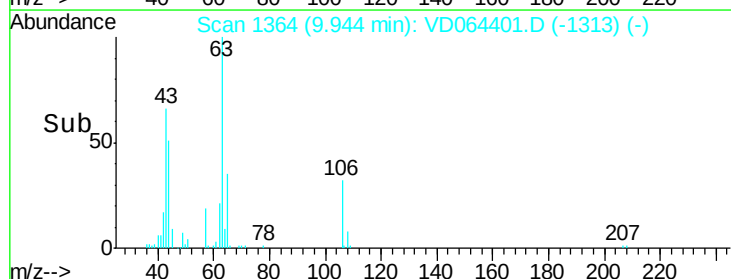
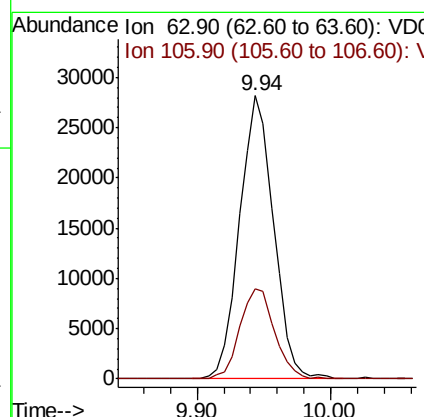
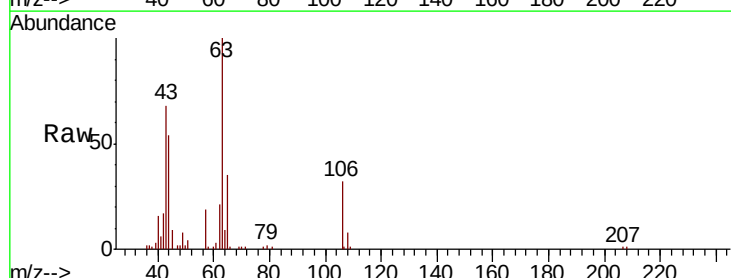
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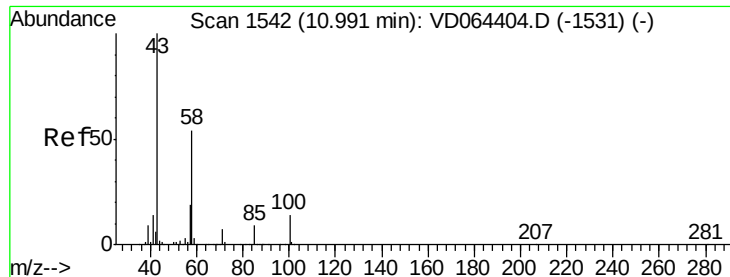
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#58
 2-Chloroethyl Vinyl ether
 Concen: 26.690 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion: 63 Resp: 49582
 Ion Ratio Lower Upper
 63 100
 106 32.4 24.2 36.4





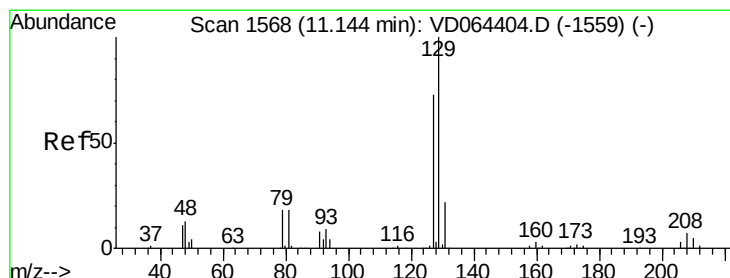
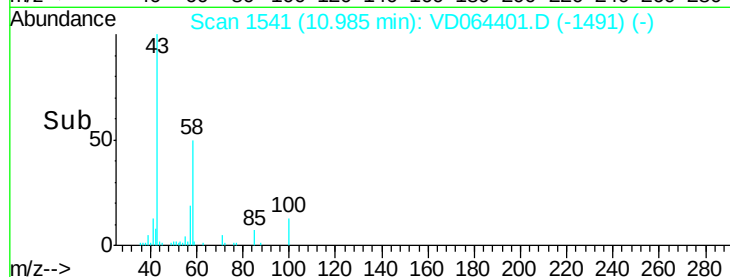
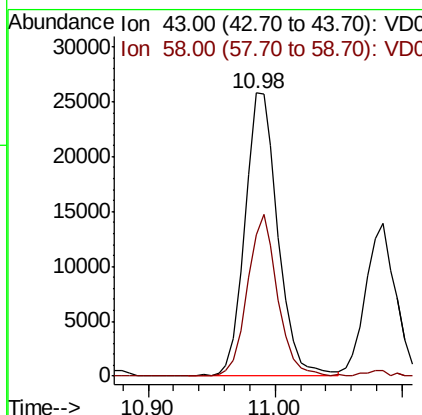
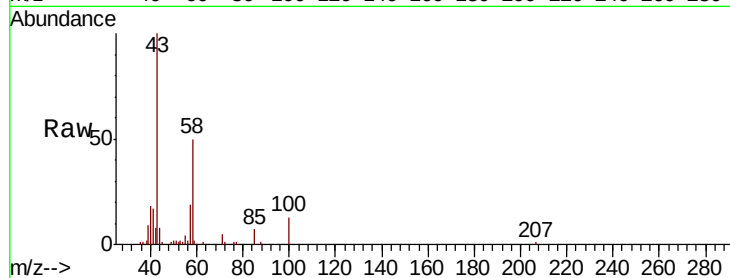
#59
2-Hexanone
Concen: 22.849 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58		52.3		26.3	78.8

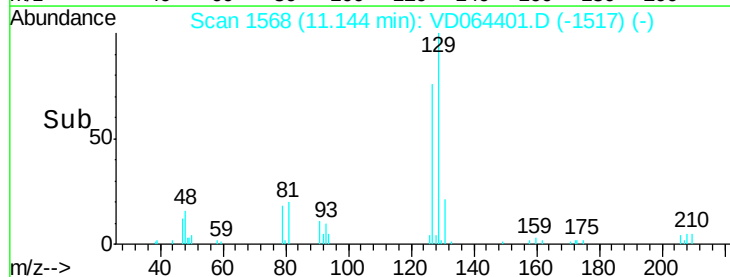
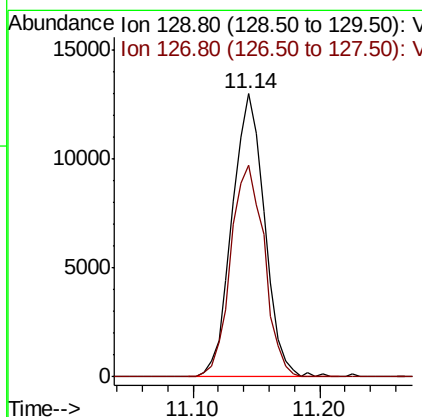
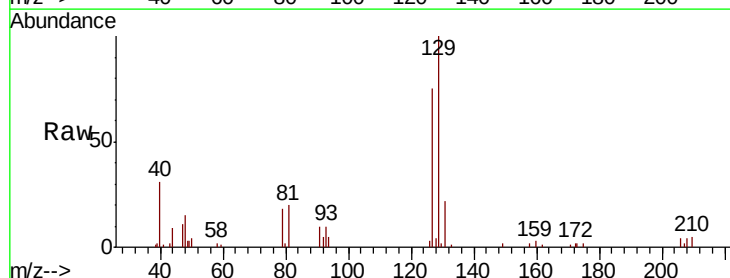
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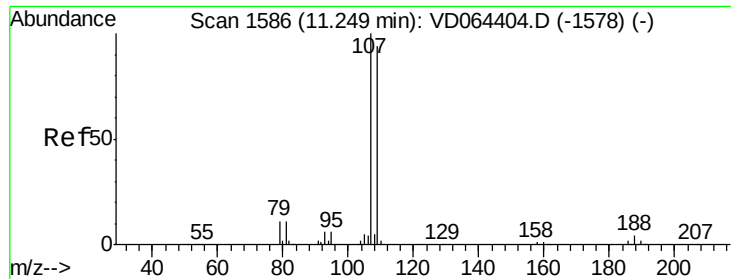
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#60
Dibromochloromethane
Concen: 4.901 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	129	127	Ratio	Lower	Upper
129	100				
127		77.0		38.1	114.3





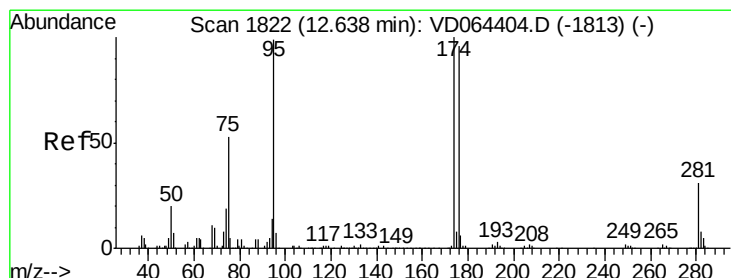
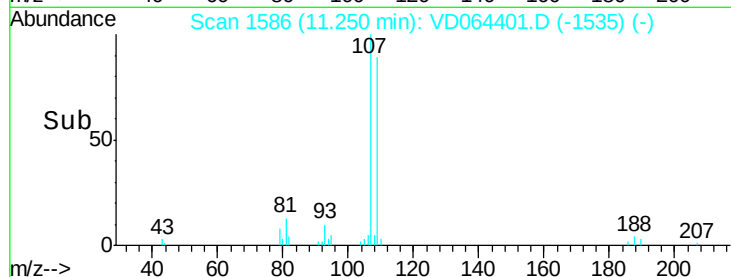
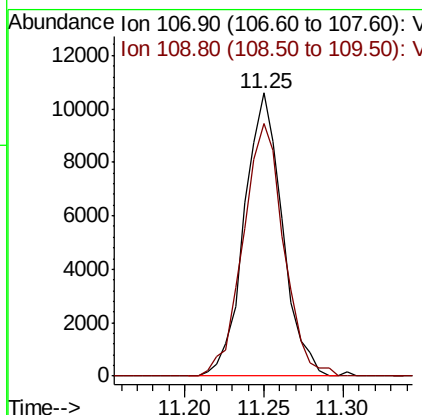
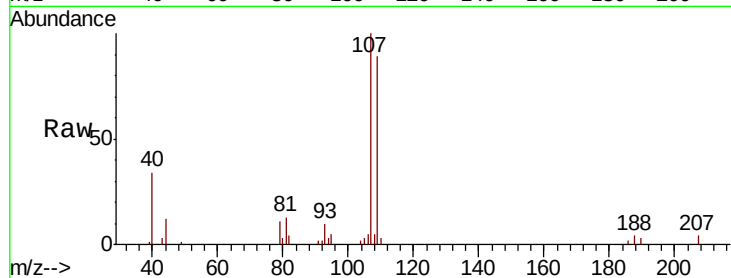
#61
 1,2-Dibromoethane
 Concen: 5.239 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 17676
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.2 114.2

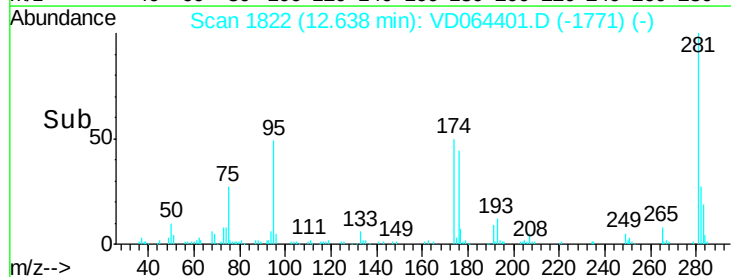
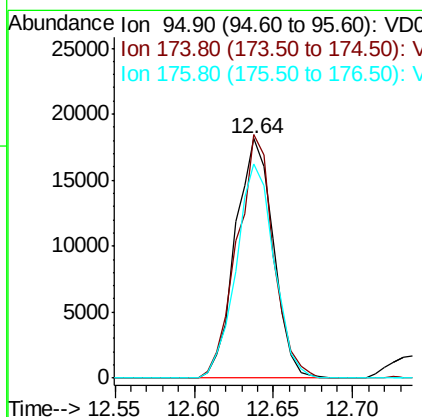
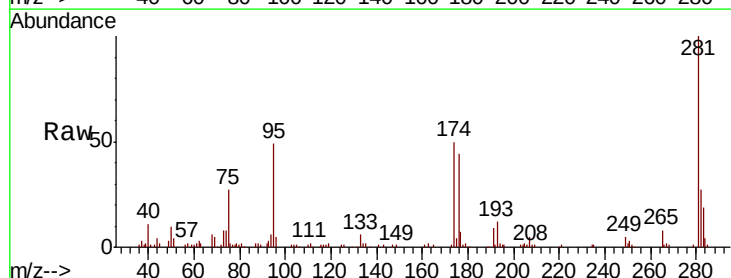
Manual Integrations
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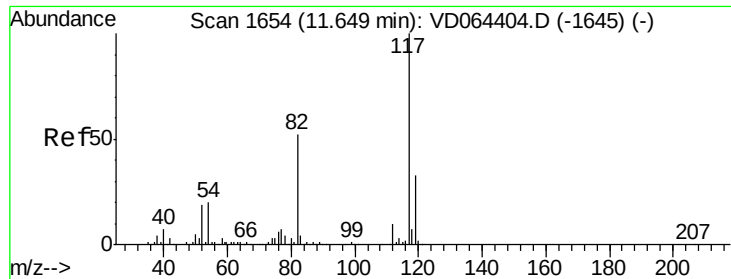
apatel
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#62
 4-Bromofluorobenzene
 Concen: 5.438 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion: 95 Resp: 30068
 Ion Ratio Lower Upper
 95 100
 174 97.8 0.0 197.2
 176 89.7 0.0 189.6





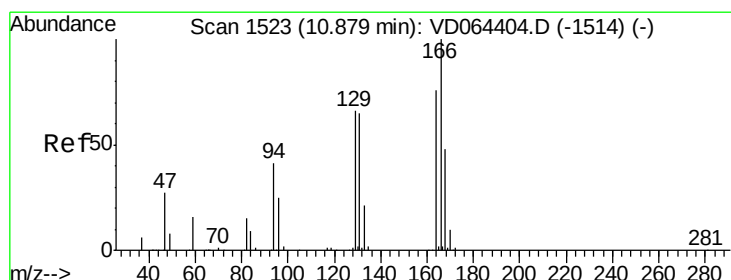
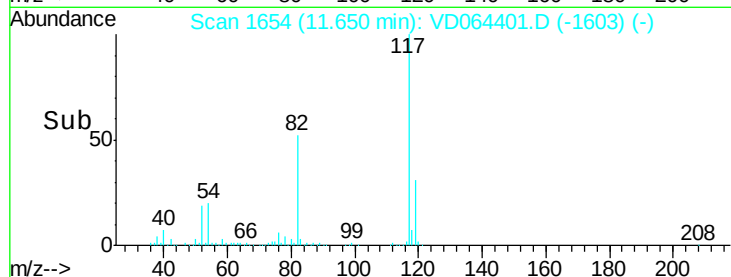
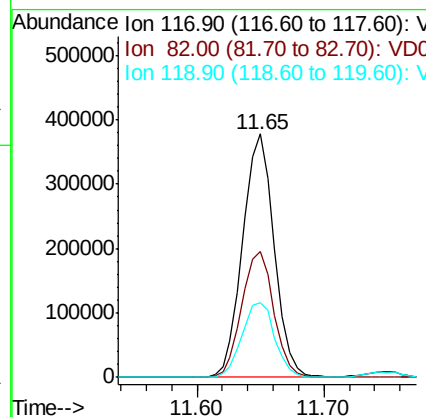
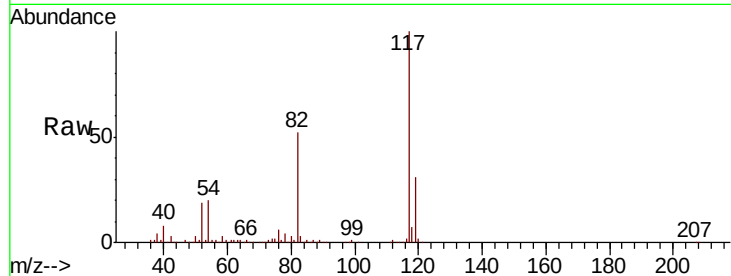
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	651314		
82	51.7		41.4	62.2
119	30.8		26.2	39.2

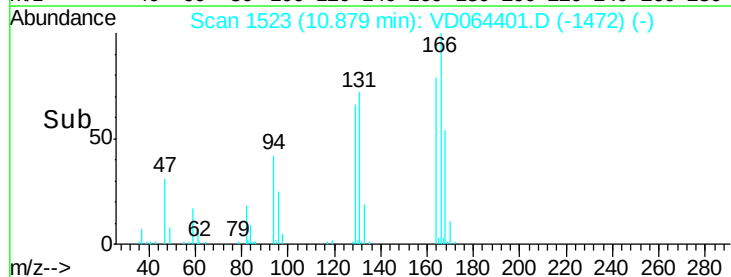
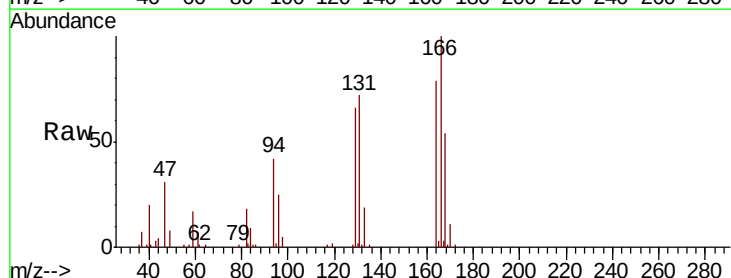
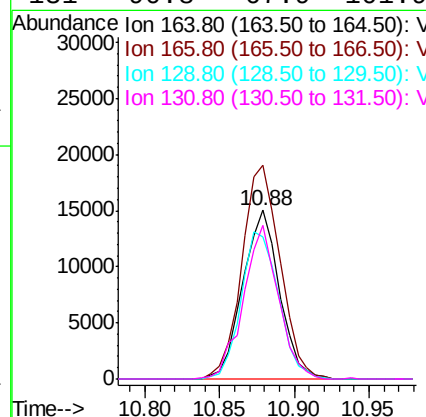
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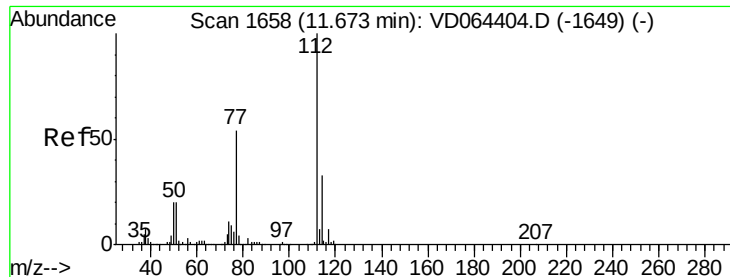
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#64
Tetrachloroethene
Concen: 5.155 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	25628		
166	126.4		104.8	157.2
129	84.0		68.7	103.1
131	90.8		67.9	101.9





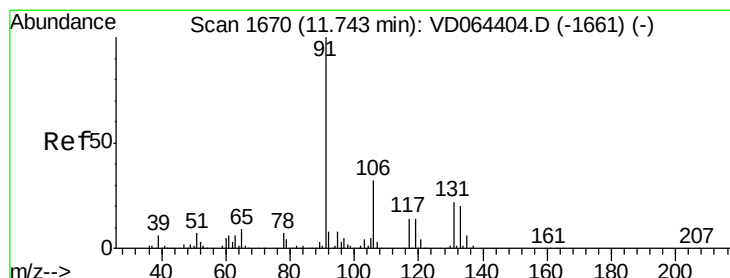
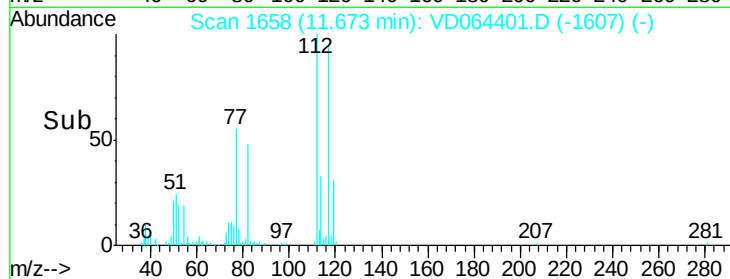
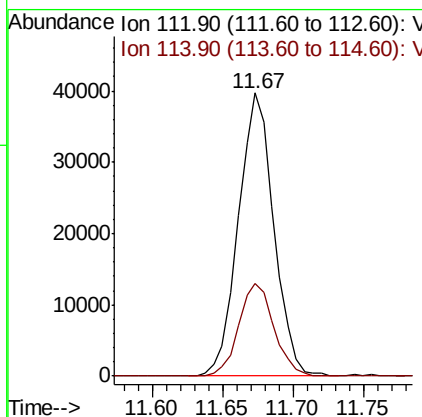
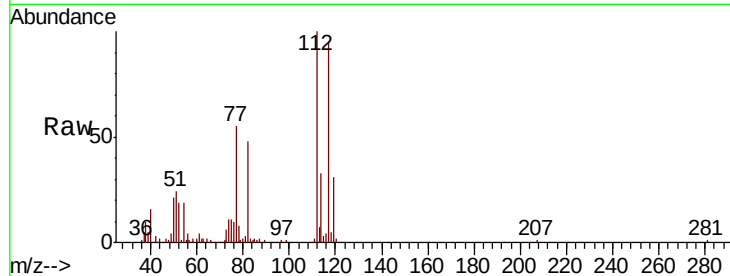
#65
Chlorobenzene
Concen: 5.259 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.5	39.7

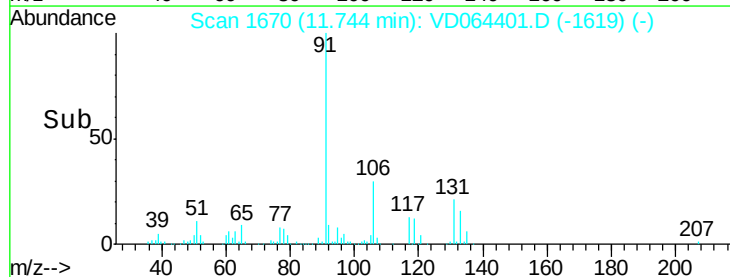
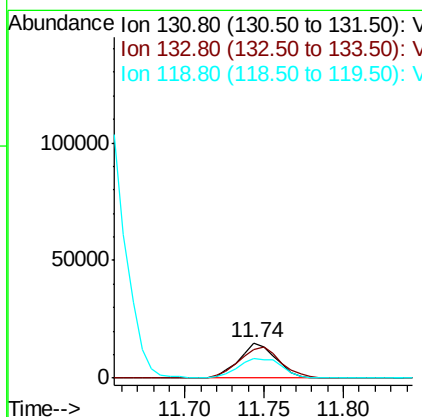
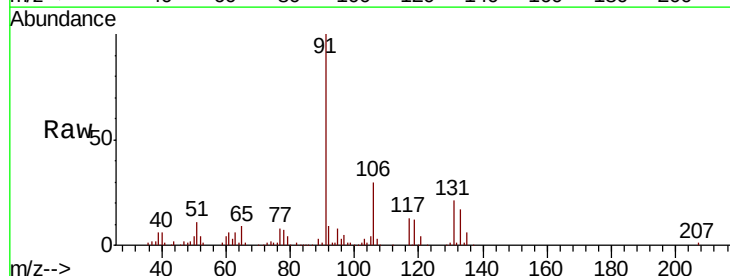
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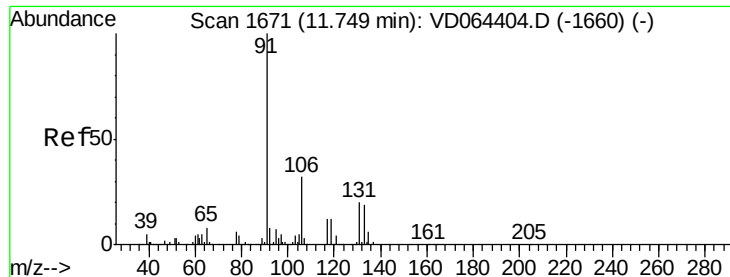
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.793 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	101.1	48.3	144.9
119	65.7	31.9	95.9





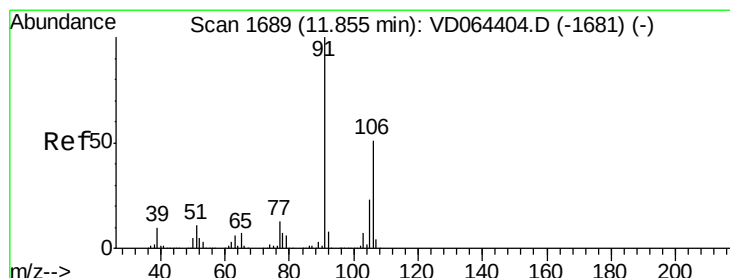
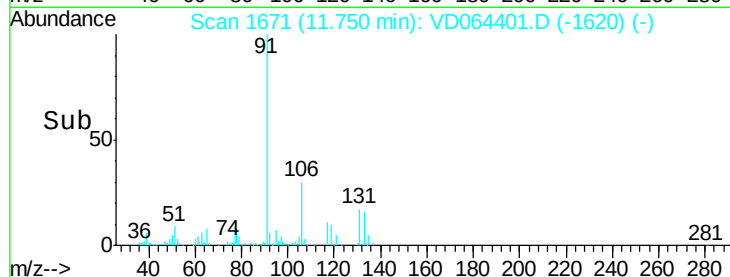
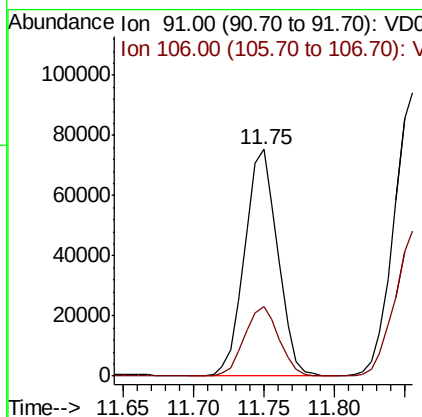
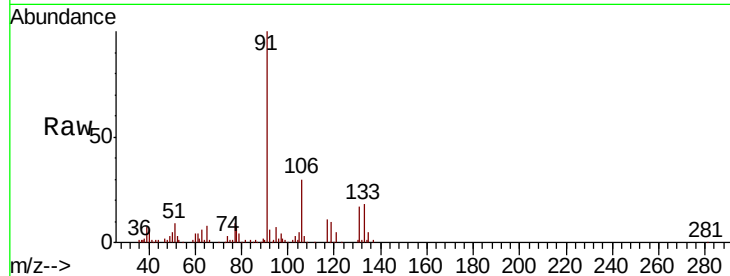
#67
Ethyl Benzene
Concen: 5.220 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.5	25.8	38.8	

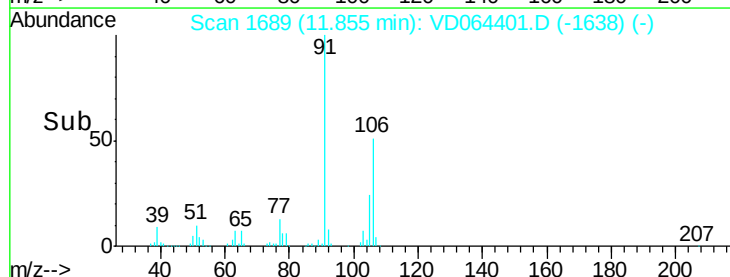
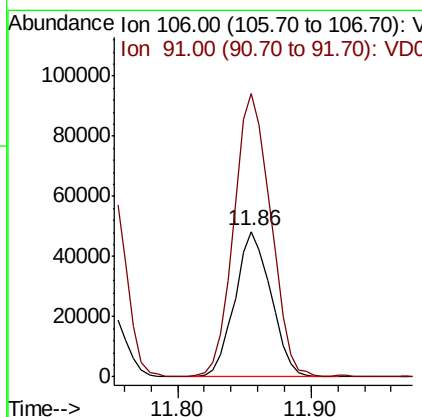
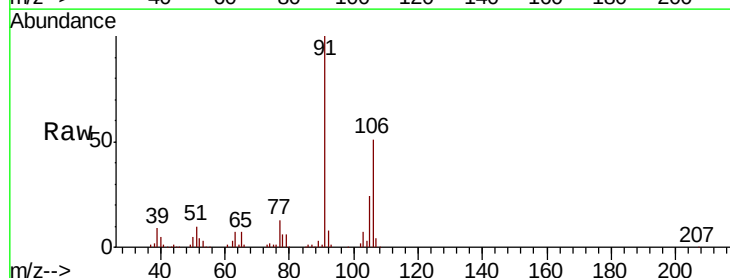
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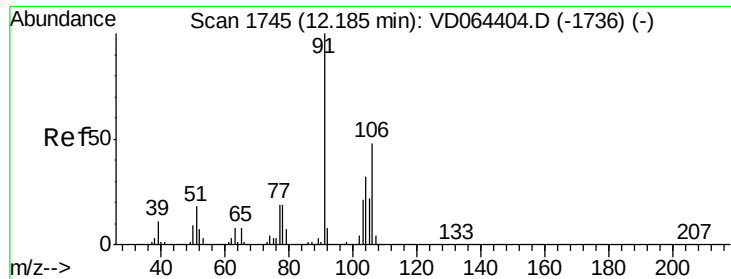
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#68
m/p-Xylenes
Concen: 9.927 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	198.9	157.4	236.2	





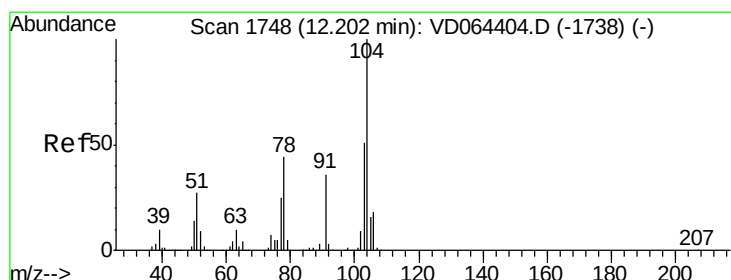
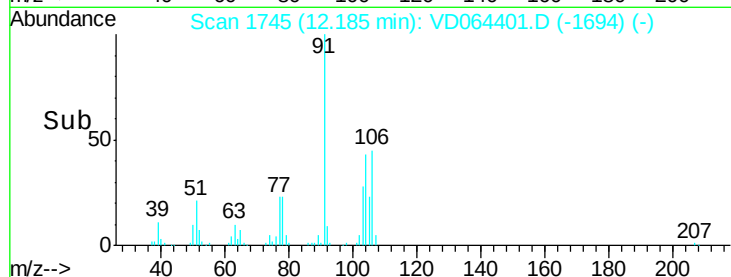
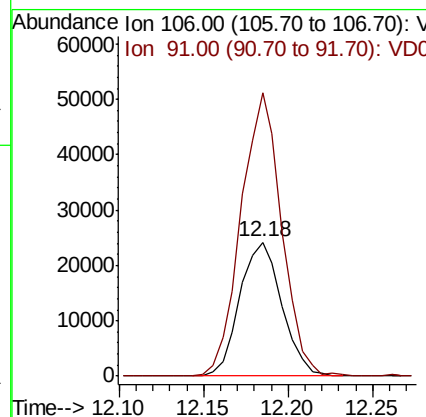
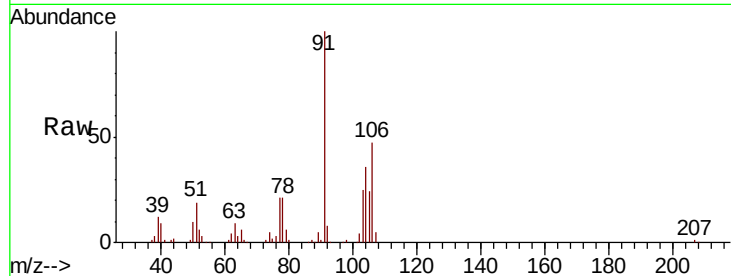
#69
o-Xylene
Concen: 4.926 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.3	103.8	311.4

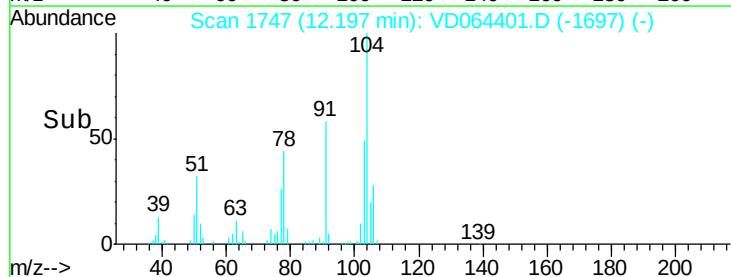
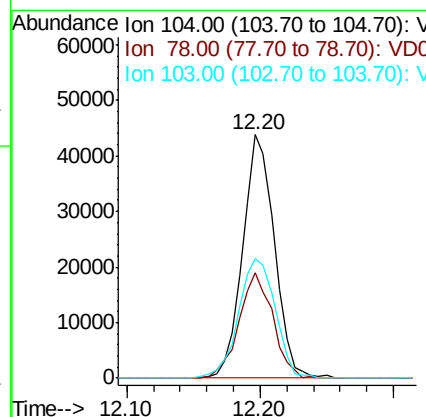
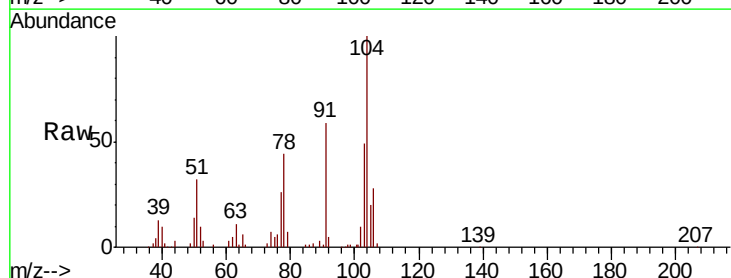
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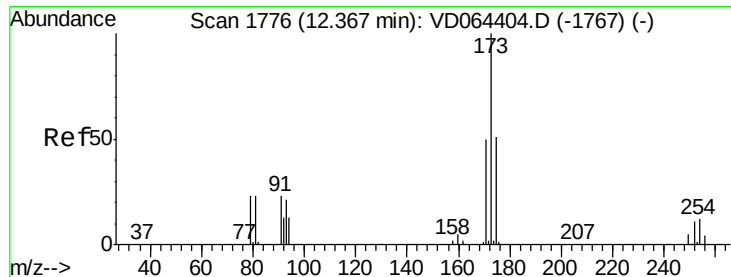
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#70
Styrene
Concen: 4.866 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.4	38.8	58.2
103	56.9	44.2	66.4





#71

Bromoform

Concen: 5.092 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 14597

Ion Ratio Lower Upper

173 100

175 50.7 25.3 75.8

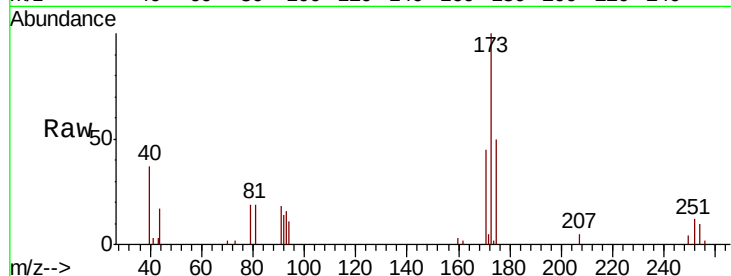
254 0.0 0.0 0.0

Manual Integrations

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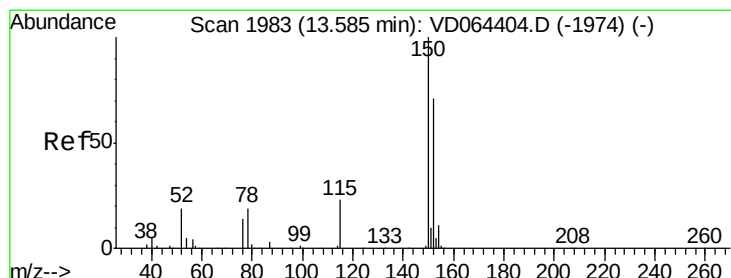
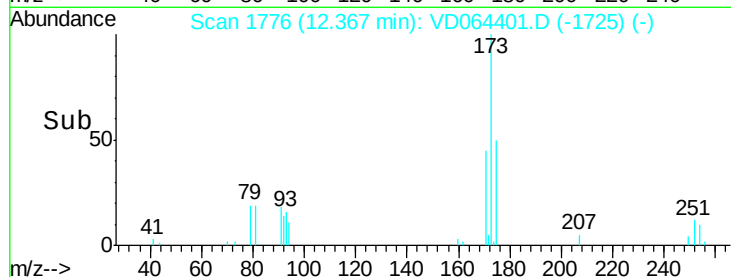
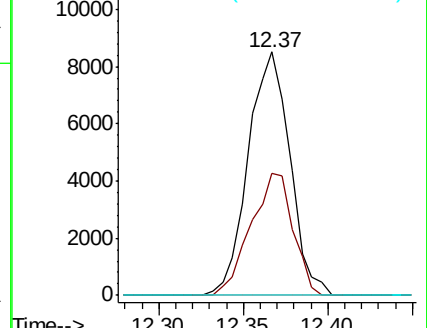
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VD064401.D

Acq: 27 Nov 2019 17:54

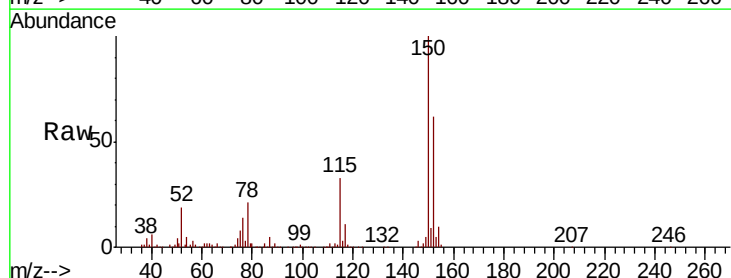
Tgt Ion:152 Resp: 316895

Ion Ratio Lower Upper

152 100

115 54.4 26.7 80.1

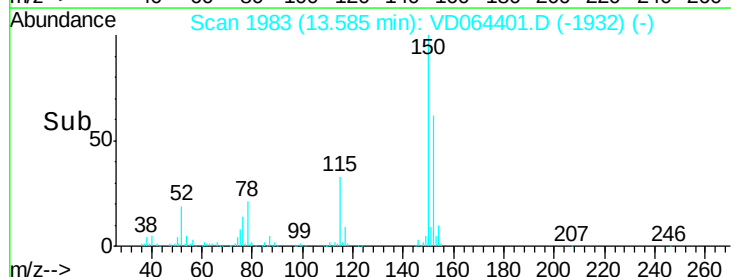
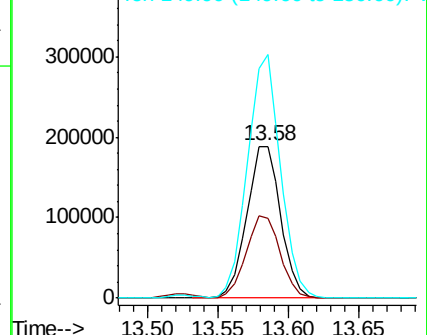
150 157.0 0.0 347.2

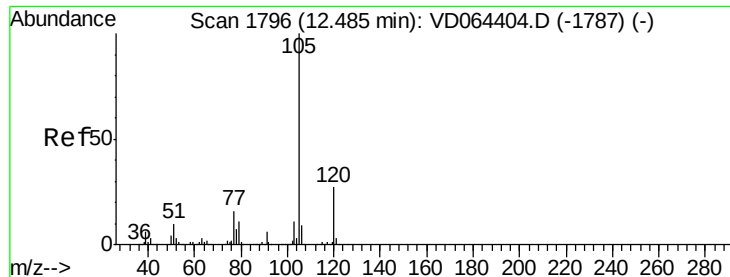


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.033 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 116148

Ion Ratio Lower Upper

105 100

120 27.5

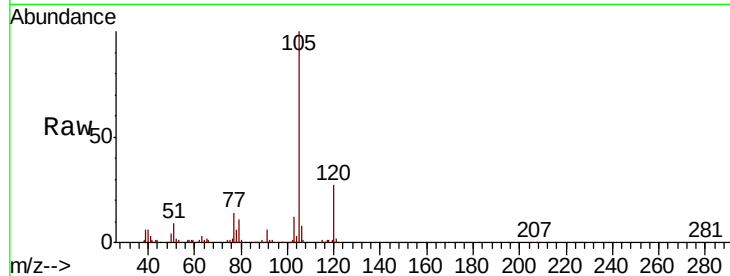
13.4 40.2

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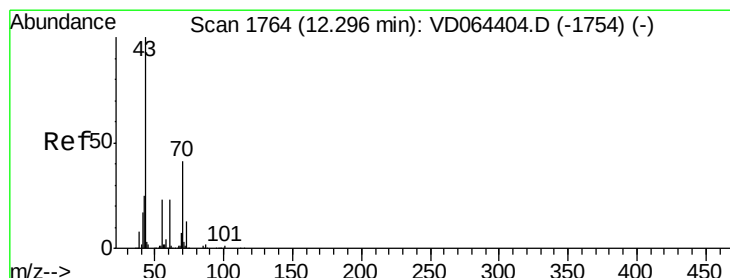
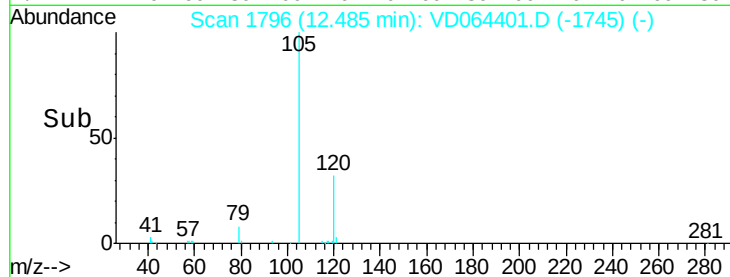
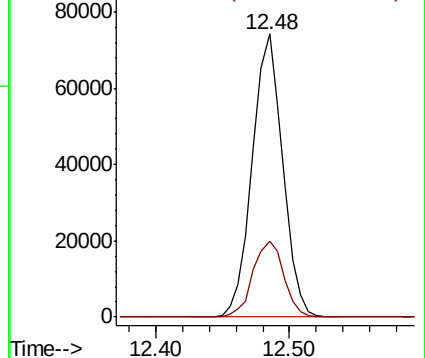
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.428 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Tgt Ion: 43 Resp: 24147

Ion Ratio Lower Upper

43 100

70 38.8

55 25.6

61 24.6

33.4 50.2

18.9 28.3

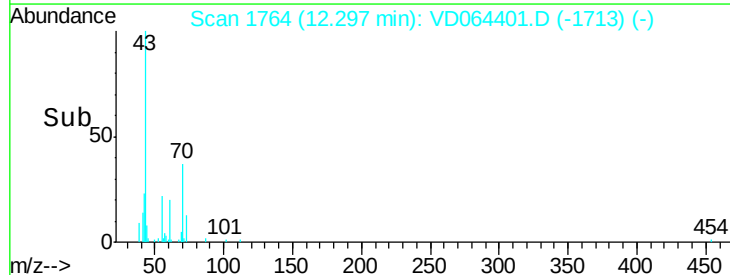
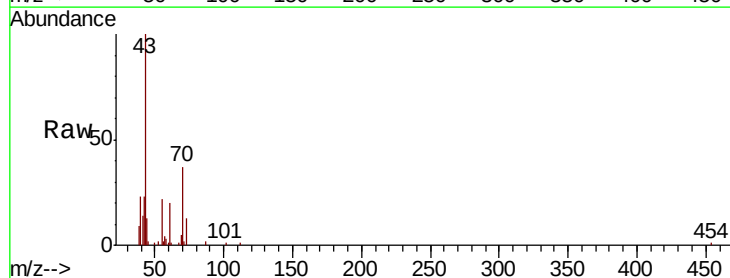
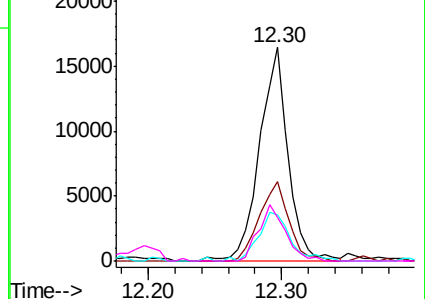
18.5 27.7

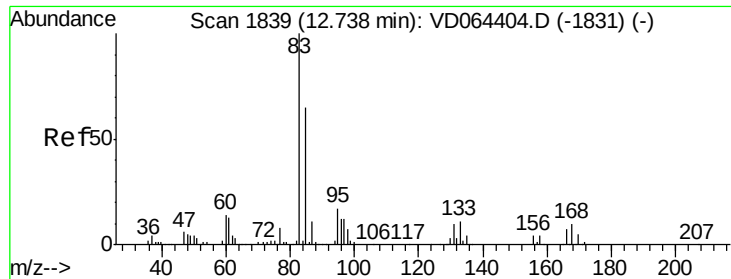
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 5.553 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

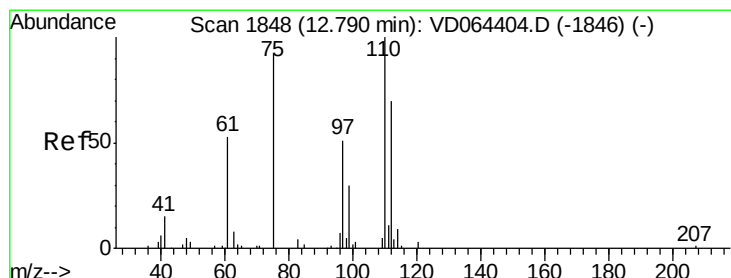
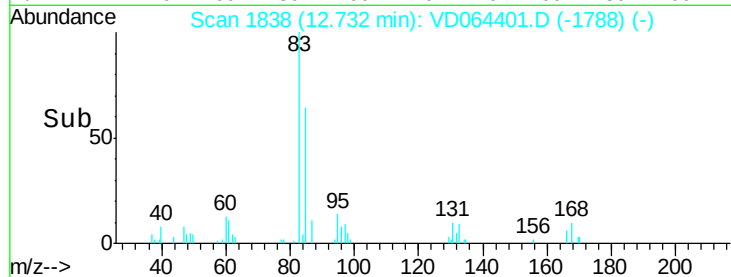
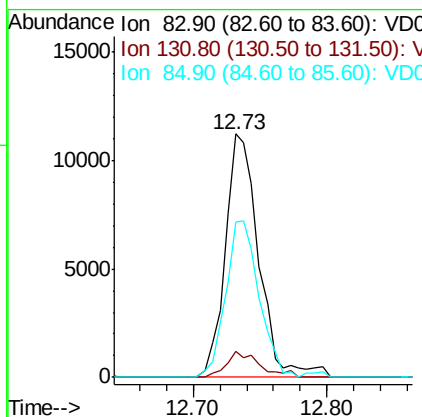
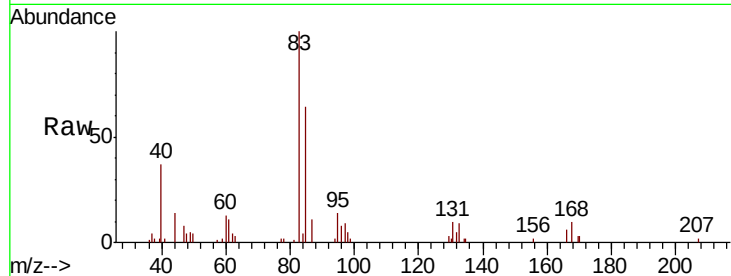
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	19694
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.7	17.0
85	64.0	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 4.817 ug/l m

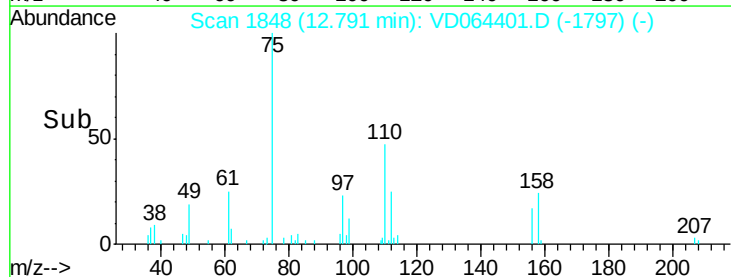
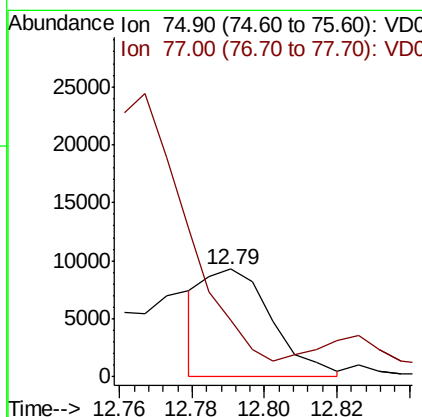
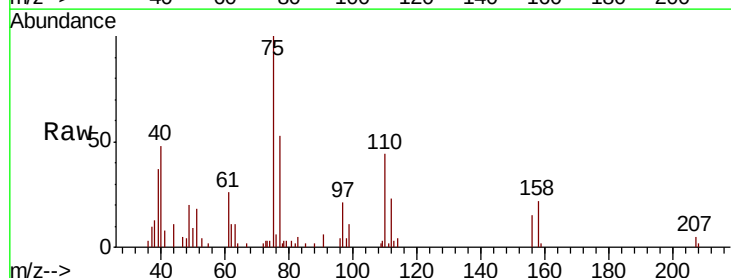
RT: 12.79 min Scan# 1848

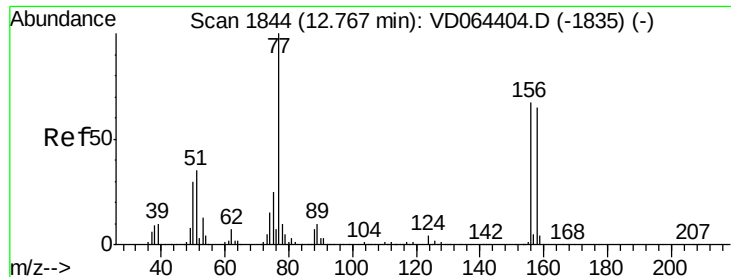
Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Tgt Ion:	75	Resp:	12184
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.946 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

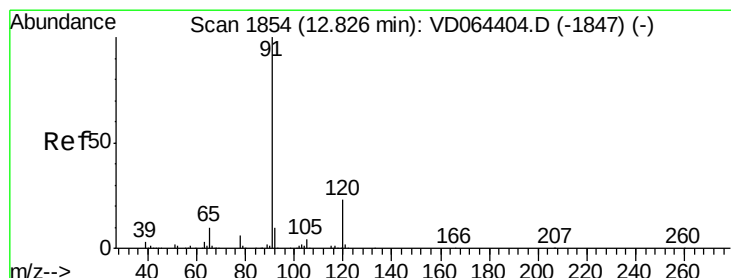
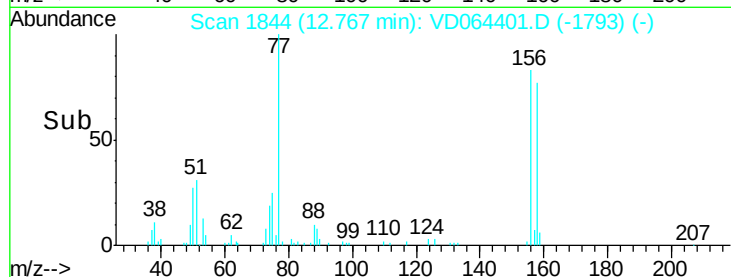
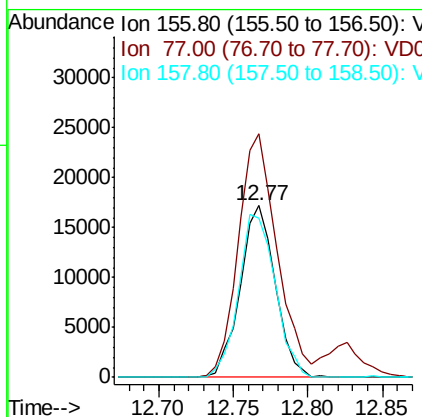
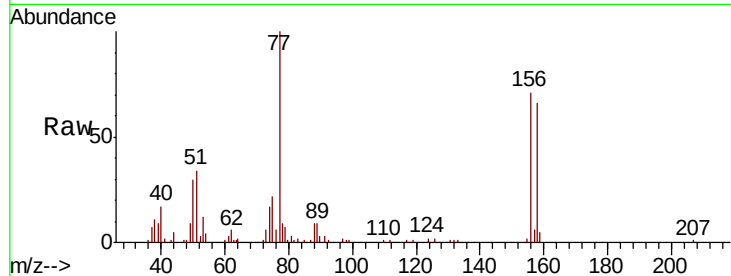
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.2	80.0	240.2
158	99.8	48.9	146.6

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#78

n-propylbenzene

Concen: 5.010 ug/l

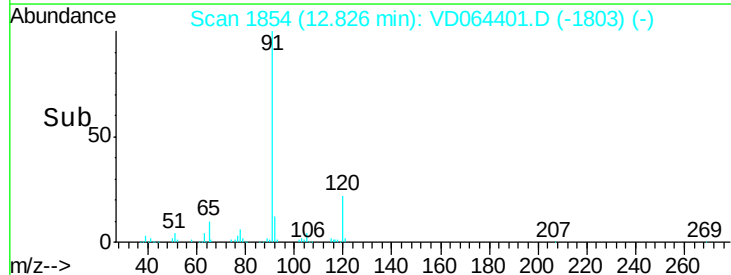
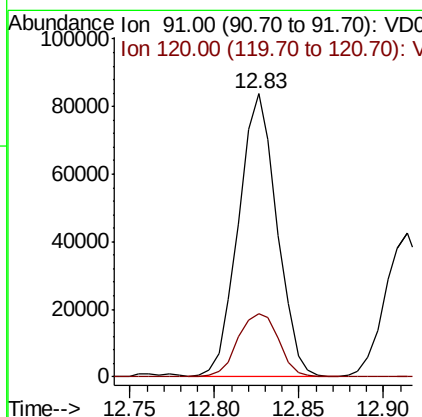
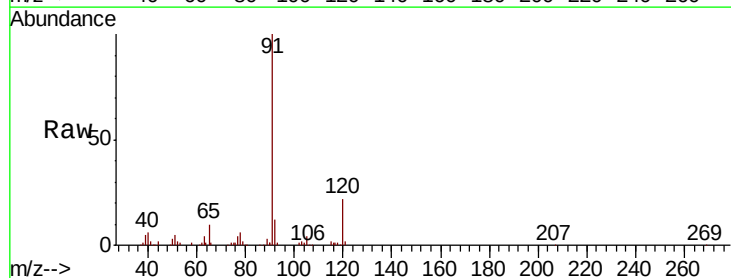
RT: 12.83 min Scan# 1854

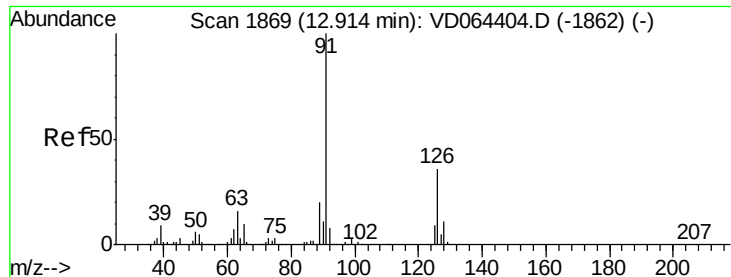
Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 4.779 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 70926

Ion Ratio Lower Upper

91 100

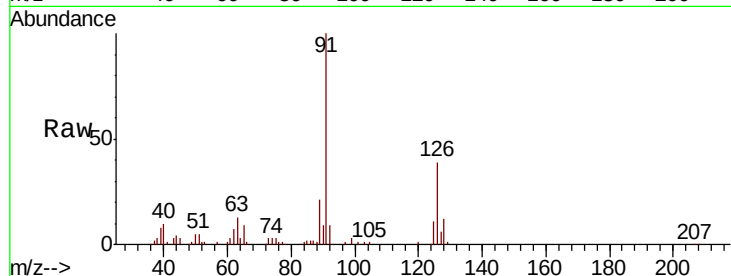
126 38.5 18.0 54.0

Manual Integrations

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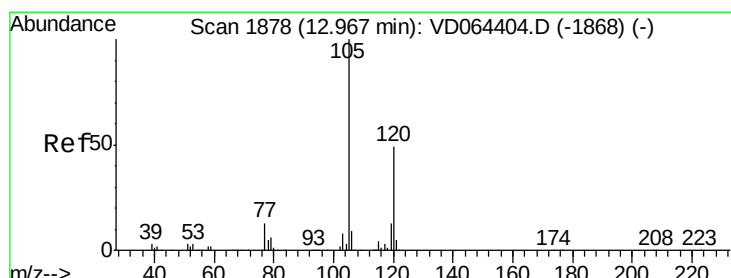
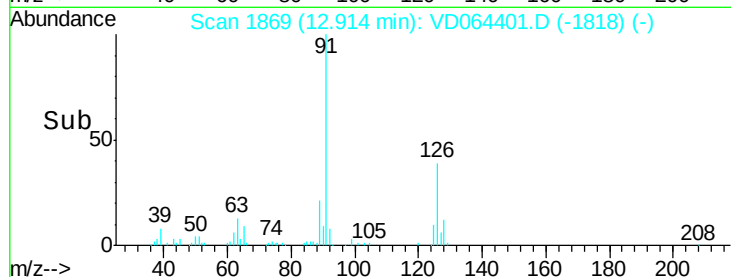


Abundance Ion 91.00 (90.70 to 91.70): VD064401.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064401.D (-1862) (-)

12.91

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.775 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064401.D

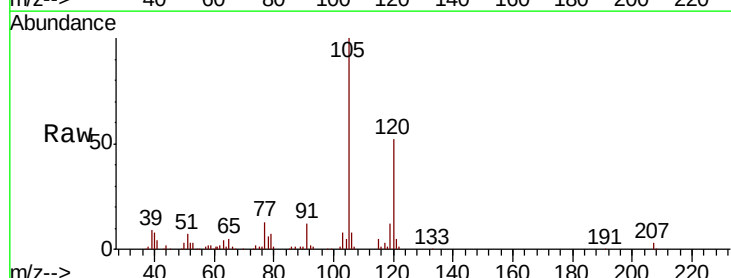
Acq: 27 Nov 2019 17:54

Tgt Ion:105 Resp: 90621

Ion Ratio Lower Upper

105 100

120 52.6 25.1 75.3

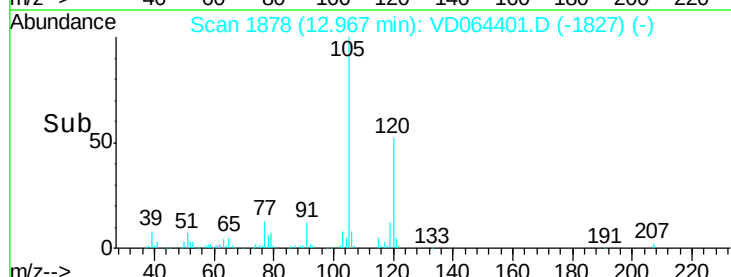


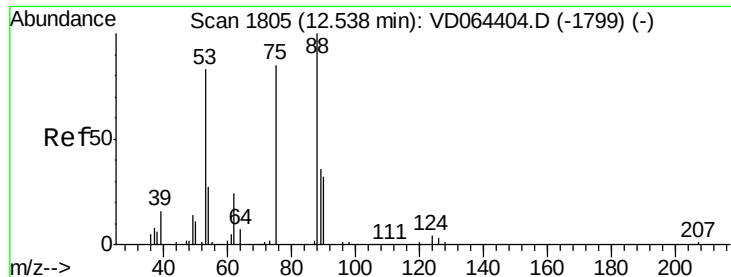
Abundance Ion 105.00 (104.70 to 105.70): VD064401.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD064401.D (-1827) (-)

12.97

Time-->





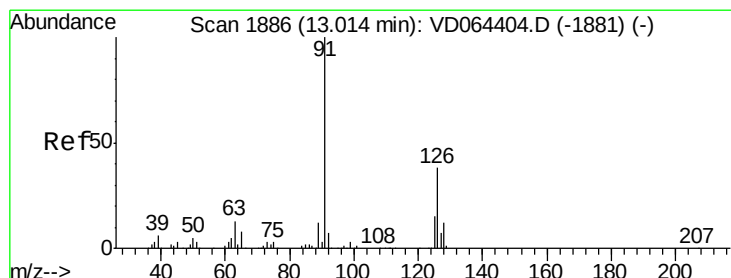
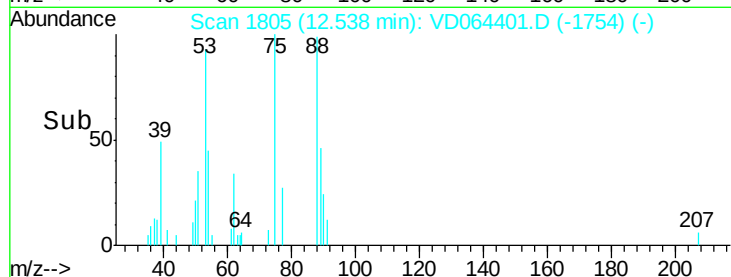
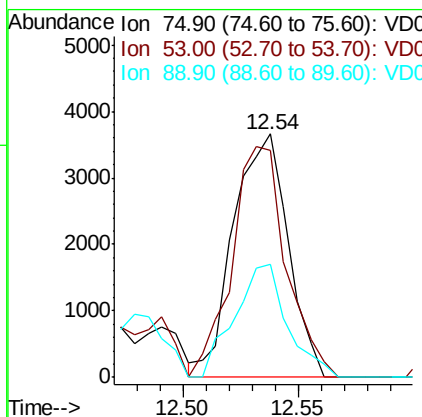
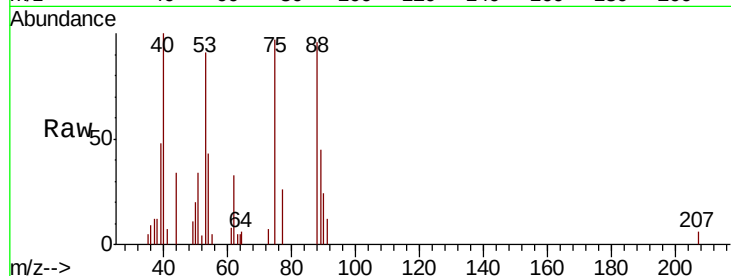
#81
trans-1,4-Dichloro-2-butene
Concen: 4.754 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.7	81.0	121.6
89	45.0	38.5	57.7

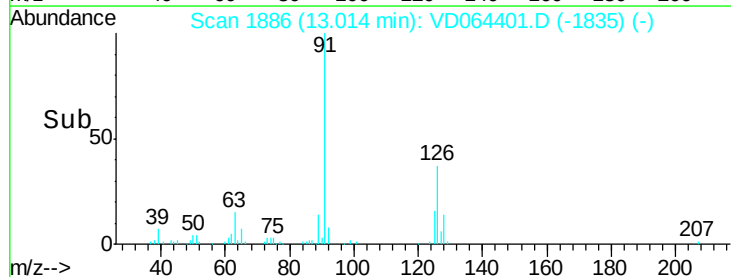
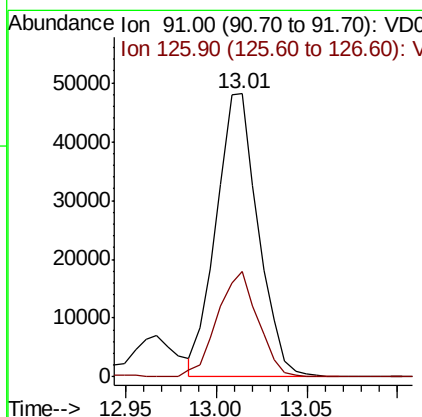
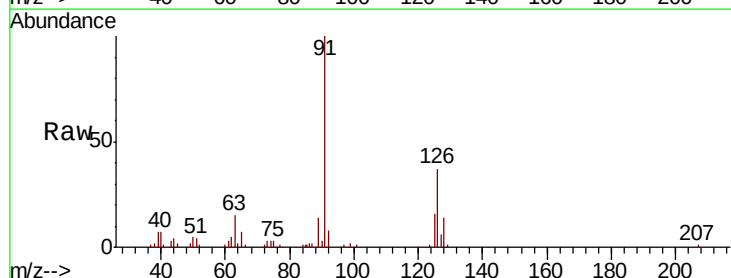
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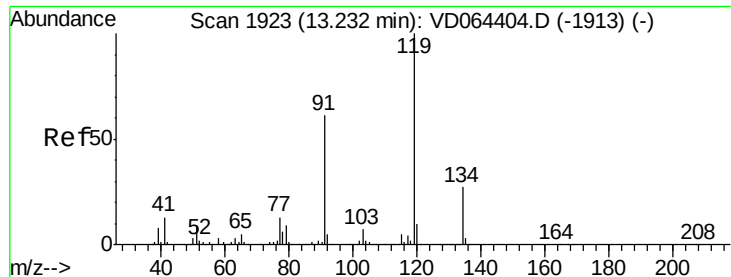
apatel
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#82
4-Chlorotoluene
Concen: 5.010 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.2	54.6





#83

tert-Butylbenzene

Concen: 4.906 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

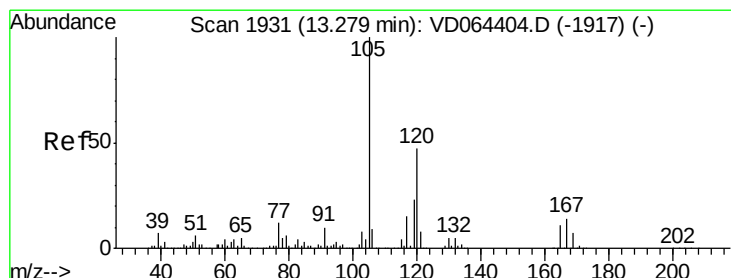
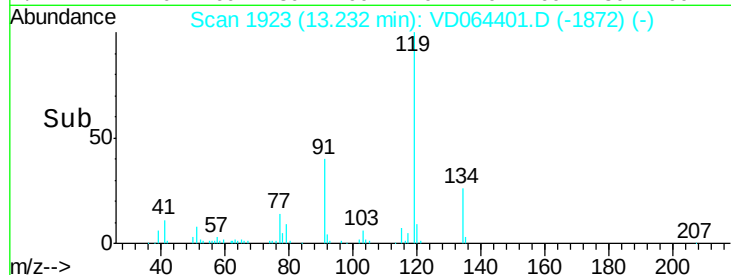
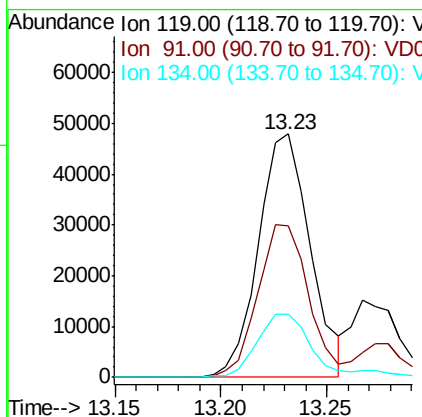
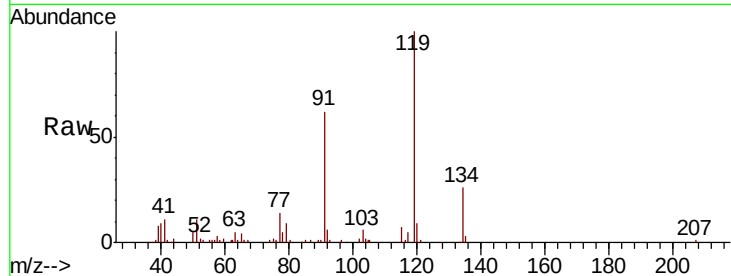
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	81699
Ion Ratio	Lower	Upper	
119	100		
91	61.2	31.2	93.6
134	28.3	13.9	41.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 5.001 ug/l

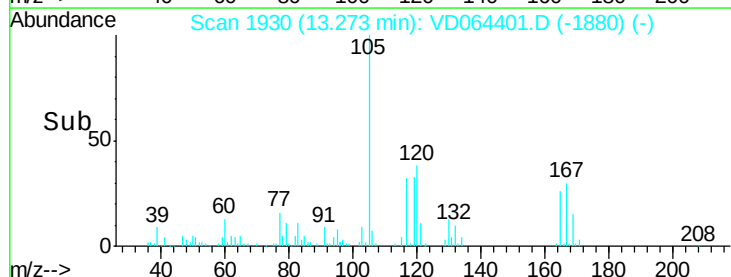
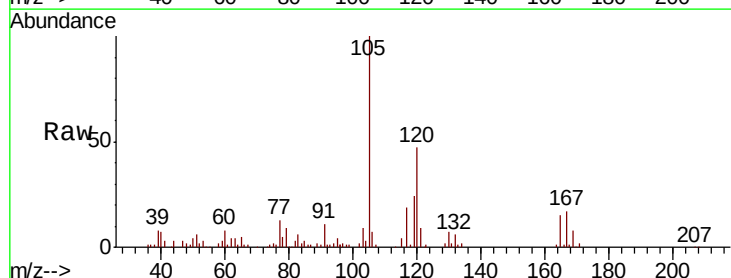
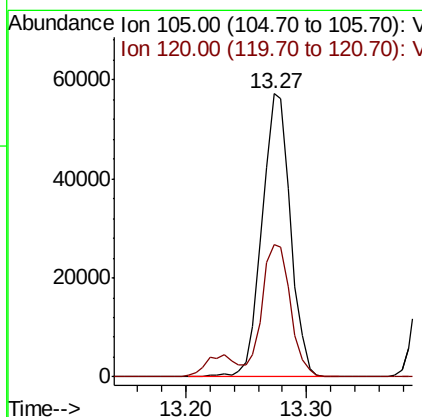
RT: 13.27 min Scan# 1930

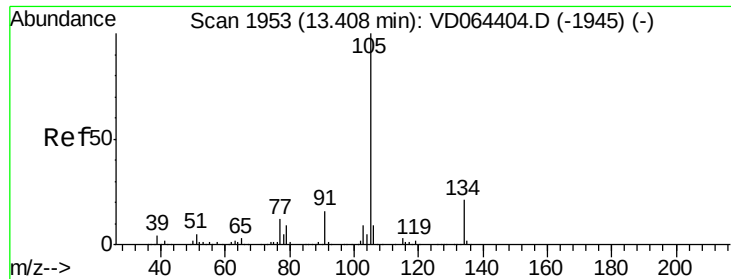
Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Tgt Ion:	105	Resp:	93715
Ion Ratio	Lower	Upper	
105	100		
120	47.3	23.6	70.8





#85

sec-Butylbenzene

Concen: 5.078 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 114038

Ion Ratio Lower Upper

105 100

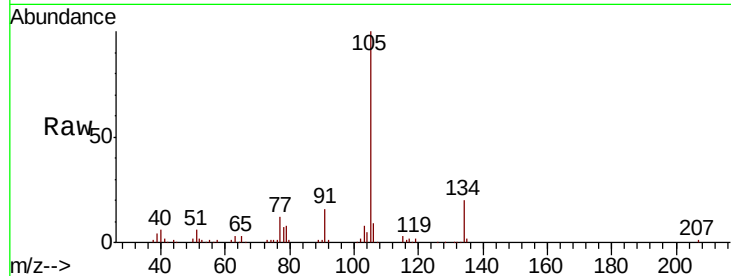
134 21.8 10.5 31.5

Manual Integrations

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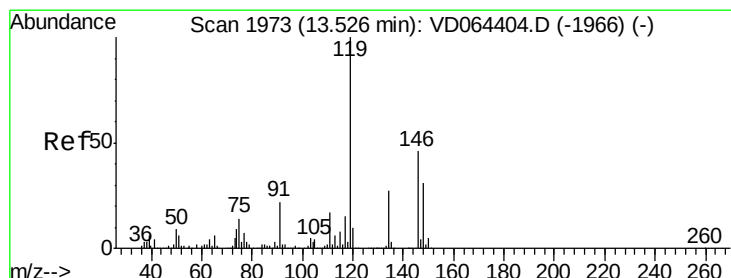
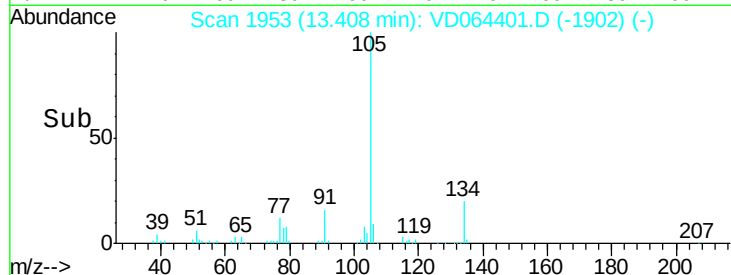
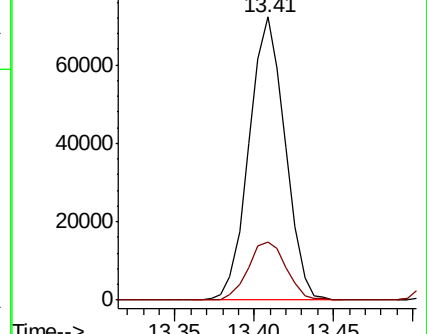
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.867 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

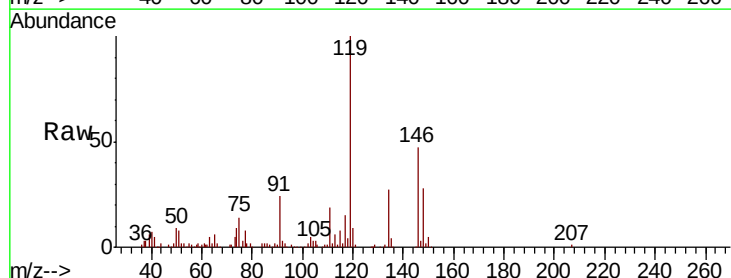
Tgt Ion:119 Resp: 103842

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

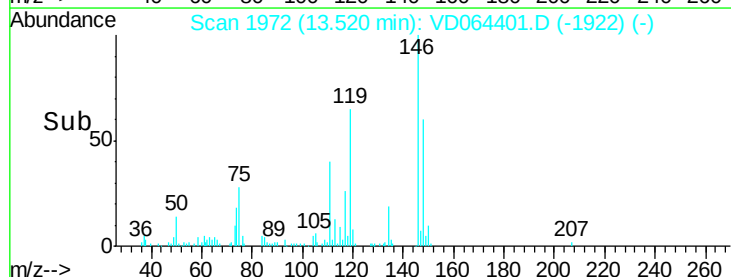
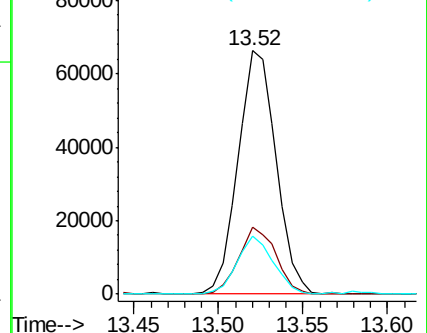
91 22.6 11.2 33.5

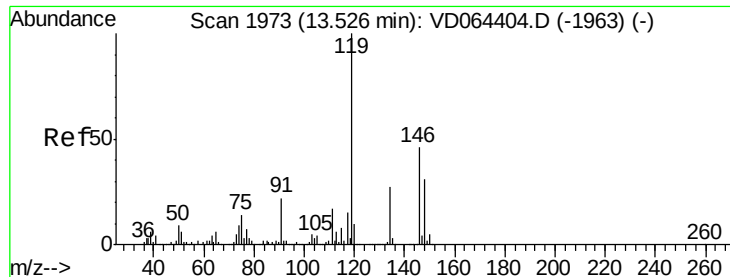


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





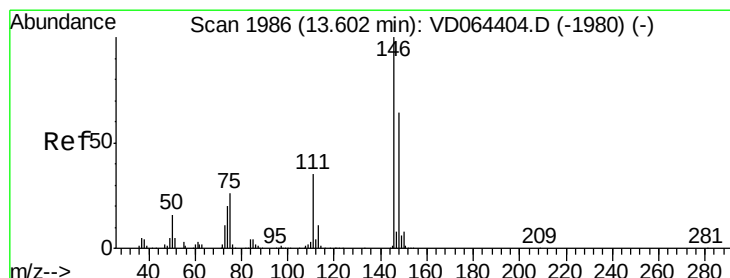
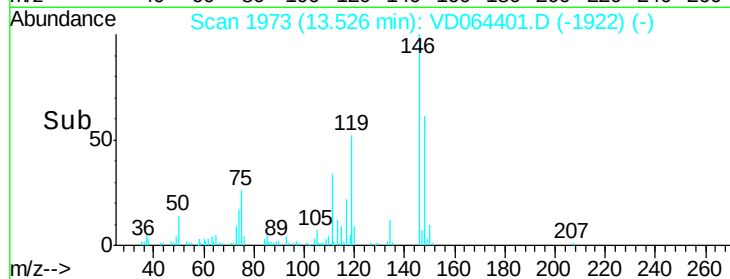
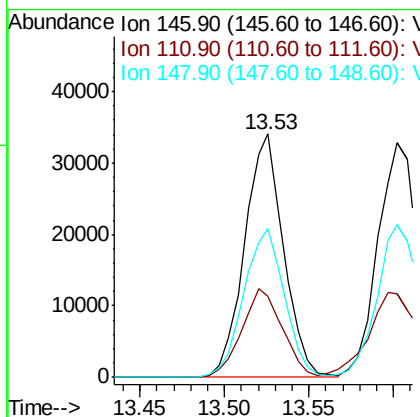
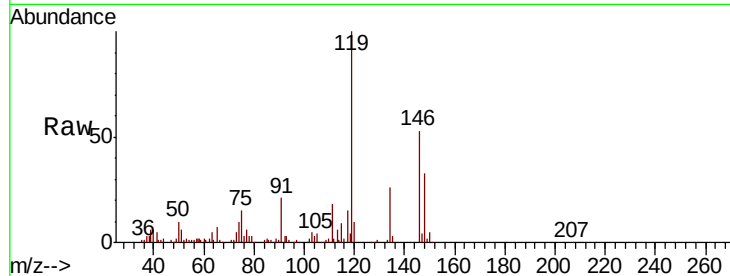
#87
 1,3-Dichlorobenzene
 Concen: 5.198 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	63.8	32.6	97.8

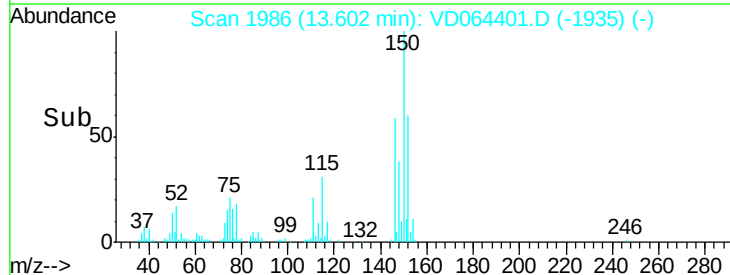
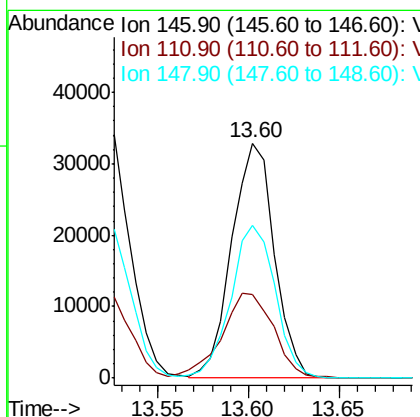
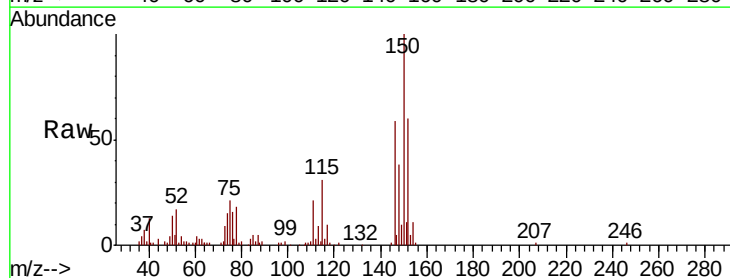
Manual Integrations
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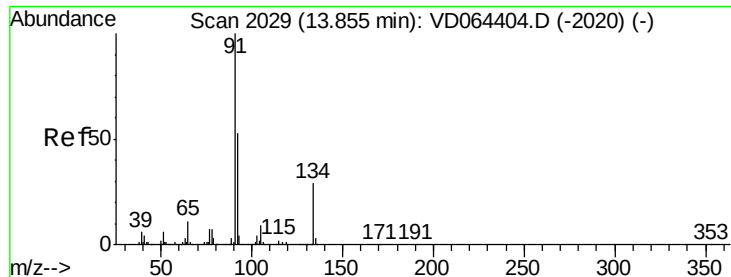
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#88
 1,4-Dichlorobenzene
 Concen: 5.270 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	18.2	54.6
148	67.9	31.8	95.4





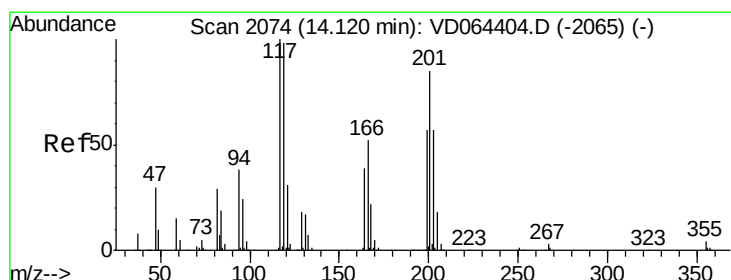
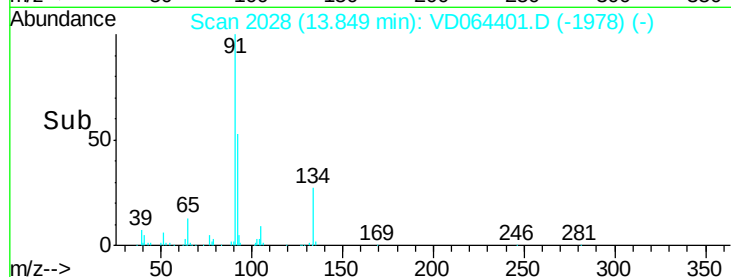
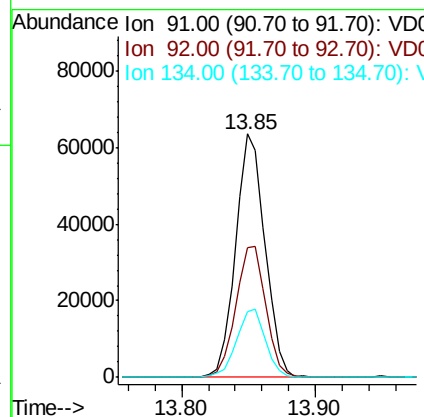
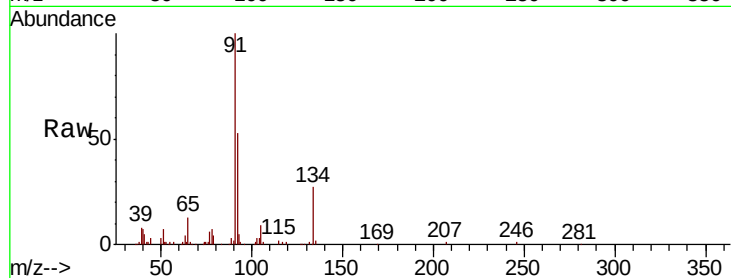
#89
n-Butylbenzene
Concen: 5.048 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	26.5	79.4
134	27.7	13.9	41.7

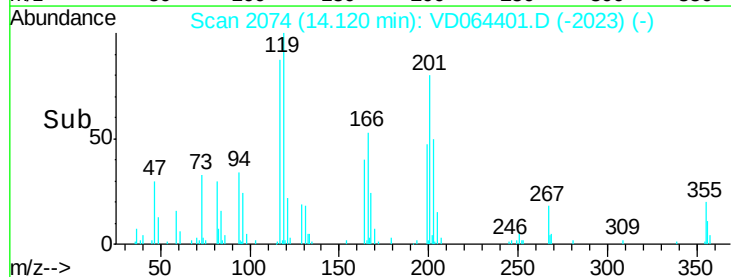
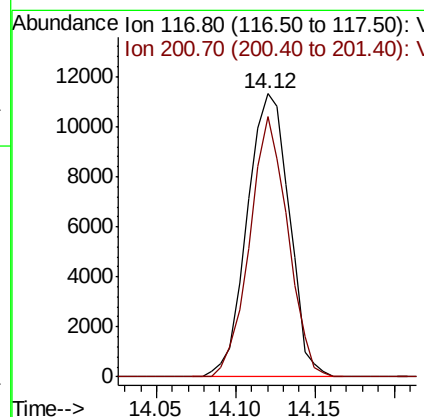
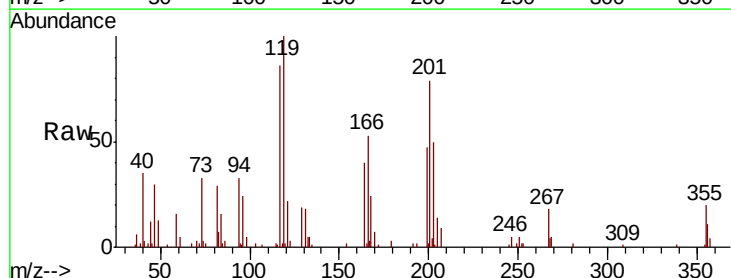
Manual Integrations
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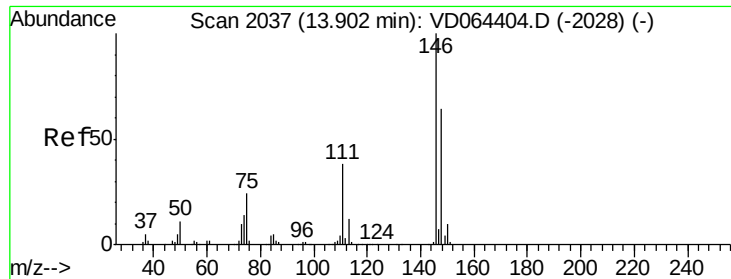
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#90
Hexachloroethane
Concen: 5.273 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	44.3	132.8





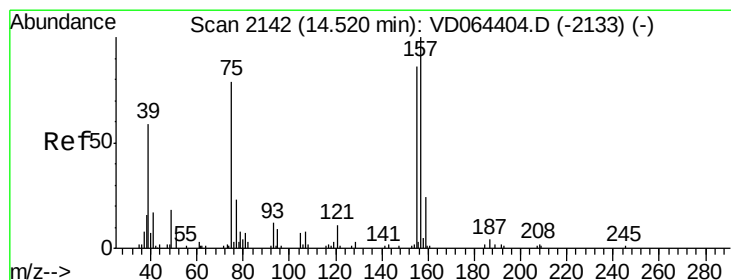
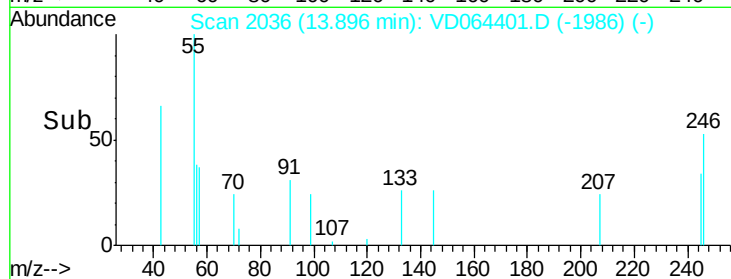
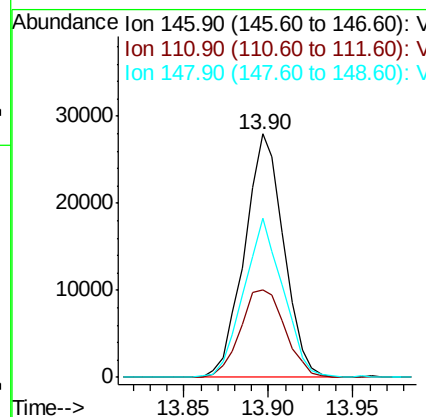
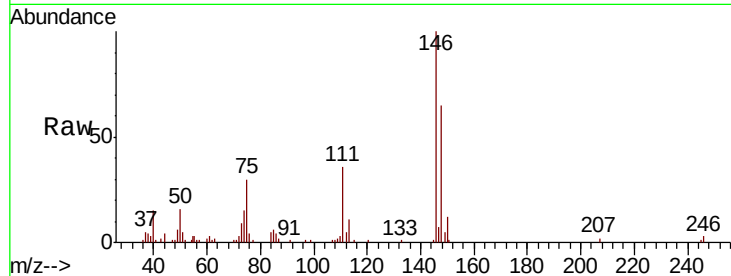
#91
 1,2-Dichlorobenzene
 Concen: 5.080 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.1	57.3
148	65.7	32.0	96.0

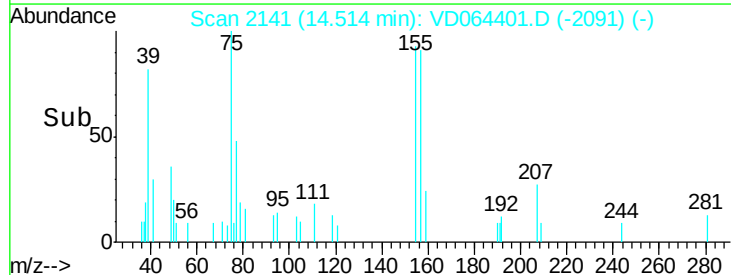
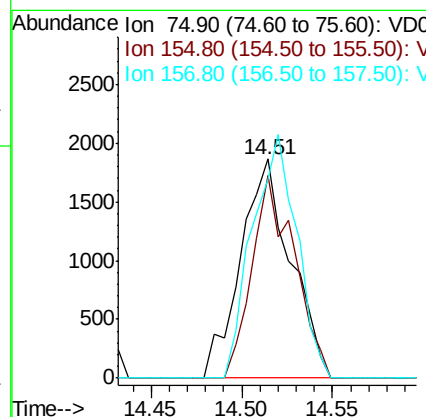
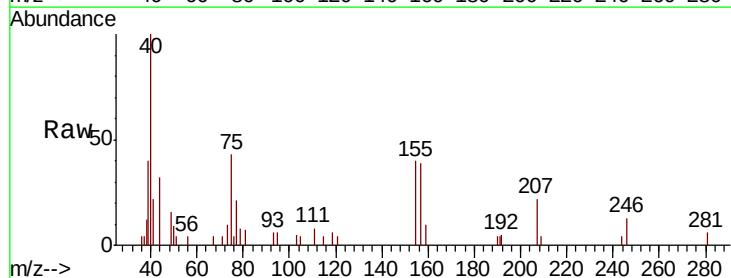
Manual Integrations
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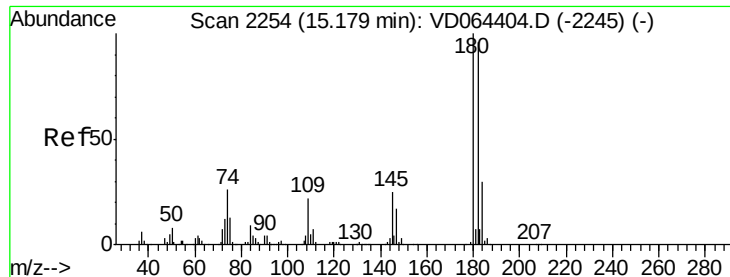
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.778 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	51.9	155.7
157	98.2	63.2	189.8





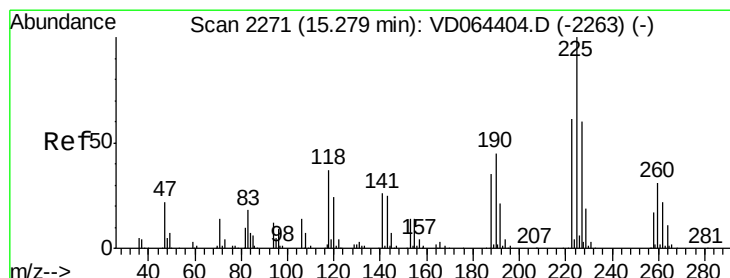
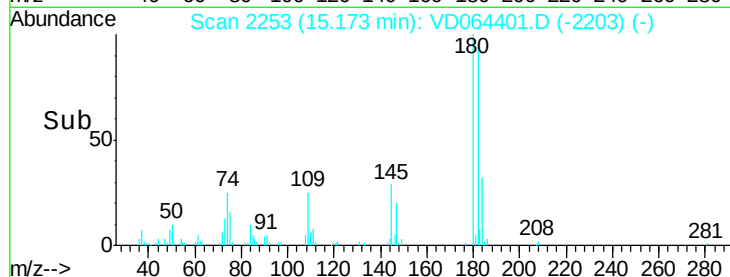
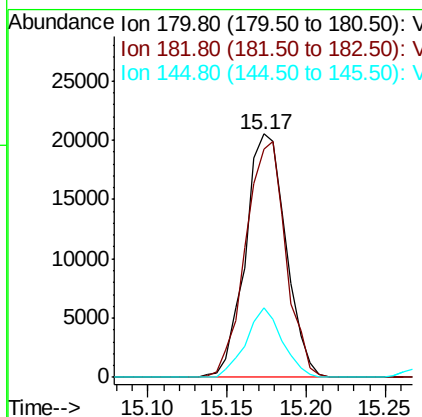
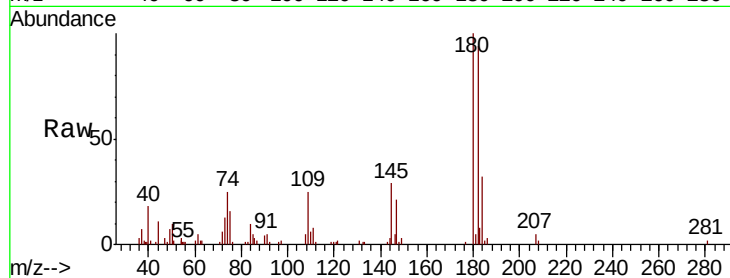
#93
 1,2,4-Trichlorobenzene
 Concen: 5.335 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.3
145	25.6	14.0	41.9

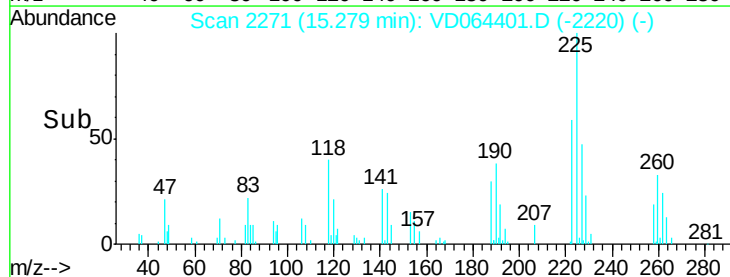
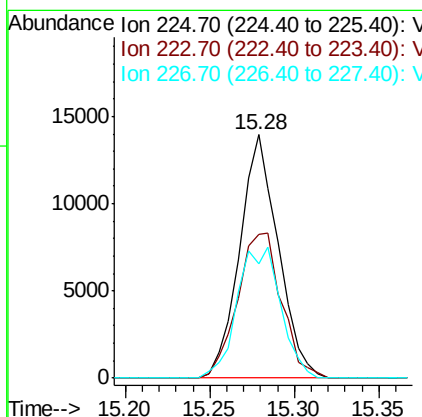
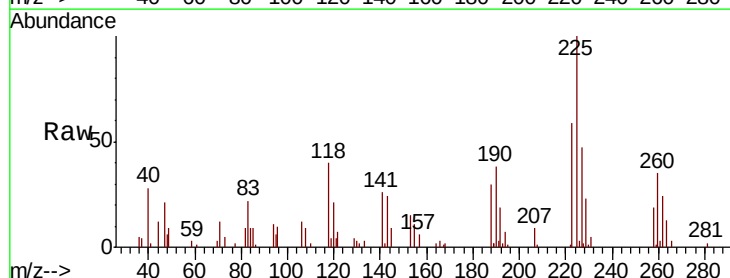
Manual Integrations
 APPROVED

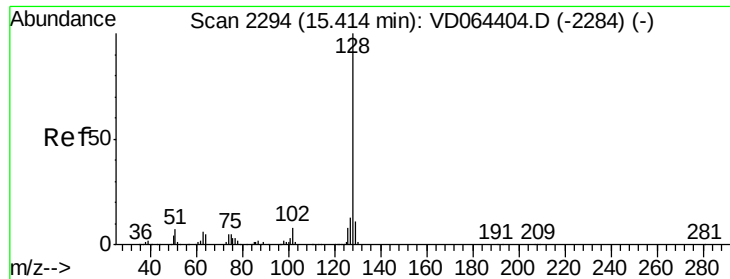
apatel
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#94
 Hexachlorobutadiene
 Concen: 5.058 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.0	31.1	93.3
227	60.4	31.8	95.4





#95

Naphthalene

Concen: 5.102 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

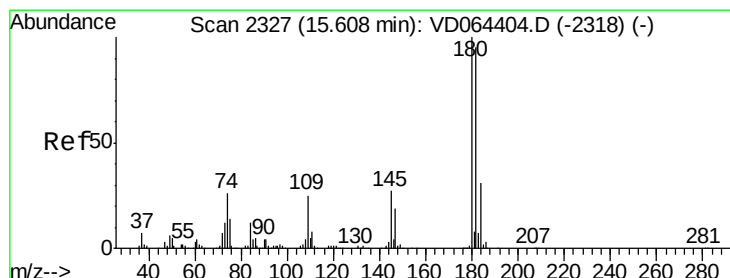
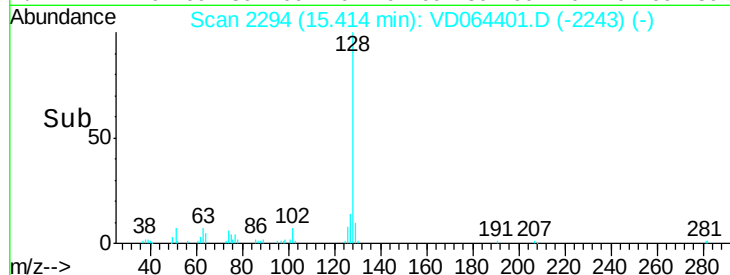
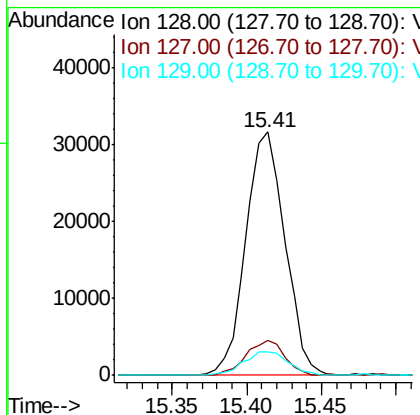
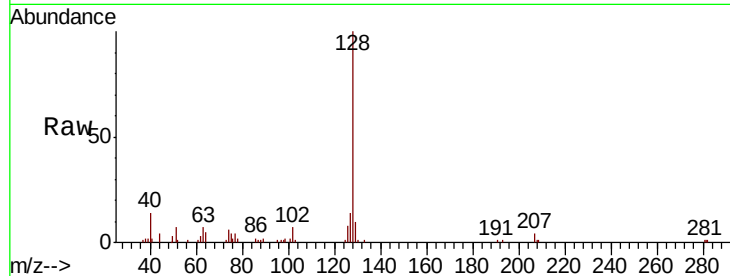
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	57506
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

apatel
12/2/2019 10:56:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 5.208 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Tgt Ion:	180	Resp:	30410
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.6	142.9
145	31.5	14.6	43.8

