

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064397.D
 Acq On : 27 Nov 2019 15:35
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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 12/2/2019 10:56:17 AM

Quant Time: Nov 29 07:35:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	501419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	714478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	618341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298464	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	212811	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
35) Dibromofluoromethane	7.92	113	220313	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	10.34	98	831412	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.64	95	262324	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	216468	47.645	ug/l	98
3) Chloromethane	2.21	50	263643	46.008	ug/l	97
4) Vinyl Chloride	2.35	62	323840	48.945	ug/l	98
5) Bromomethane	2.77	94	222151	45.403	ug/l	99
6) Chloroethane	2.92	64	210456	47.589	ug/l	99
7) Trichlorofluoromethane	3.27	101	537218	48.842	ug/l	96
8) Diethyl Ether	3.71	74	109414	47.870	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	229292	48.619	ug/l	97
10) Methyl Iodide	4.29	142	274789	55.174	ug/l	100
11) Tert butyl alcohol	5.26	59	71201	246.452	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	221058	48.912	ug/l	97
13) Acrolein	3.92	56	85643	217.335	ug/l	98
14) Allyl chloride	4.71	41	348253	49.374	ug/l	98
15) Acrylonitrile	5.43	53	240859	240.982	ug/l	97
16) Acetone	4.17	43	238851	260.426	ug/l	96
17) Carbon Disulfide	4.40	76	721272	50.389	ug/l	96
18) Methyl Acetate	4.72	43	125946	47.078	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	497166	47.956	ug/l	96
20) Methylene Chloride	4.96	84	232224	49.816	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	248925	48.691	ug/l	97
22) Diisopropyl ether	6.37	45	658508	47.293	ug/l	98
23) Vinyl Acetate	6.31	43	2021940	246.315	ug/l	99
24) 1,1-Dichloroethane	6.27	63	409028	48.846	ug/l	98
25) 2-Butanone	7.22	43	320474	247.080	ug/l	100
26) 2,2-Dichloropropane	7.21	77	366727	50.359	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	265984	47.722	ug/l	98
28) Bromochloromethane	7.55	49	170917	59.725	ug/l	99
29) Tetrahydrofuran	7.57	42	199351	241.575	ug/l	99
30) Chloroform	7.71	83	422925	48.767	ug/l	99
31) Cyclohexane	7.98	56	382739	52.590	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	396741	49.344	ug/l	99
36) 1,1-Dichloropropene	8.11	75	339094	50.177	ug/l	99
37) Ethyl Acetate	7.30	43	143490	50.040	ug/l	98
38) Carbon Tetrachloride	8.10	117	364856	51.154	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	425304	50.734	ug/l	98
40) Benzene	8.36	78	924085	49.233	ug/l	99
41) Methacrylonitrile	7.53	41	77962	47.408	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	269454	49.227	ug/l	99
43) Isopropyl Acetate	8.46	43	280595	49.767	ug/l	98
44) Trichloroethene	9.11	130	280740	49.654	ug/l	97
45) 1,2-Dichloropropane	9.39	63	223602	49.812	ug/l	99
46) Dibromomethane	9.48	93	124399	49.101	ug/l	98
47) Bromodichloromethane	9.66	83	322903	49.602	ug/l	99
48) Methyl methacrylate	9.46	41	130654	50.641	ug/l	95
49) 1,4-Dioxane	9.46	88	30448	973.227	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	695312	249.242	ug/l	100
52) Toluene	10.40	92	597760	48.867	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	308774	49.769	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	363816	49.362	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	166373	47.958	ug/l	97
56) Ethyl methacrylate	10.66	69	219521	49.613	ug/l	99
57) 1,3-Dichloropropane	10.95	76	292335	49.503	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	406217	230.301	ug/l	100
59) 2-Hexanone	10.99	43	493049	254.707	ug/l	99
60) Dibromochloromethane	11.14	129	227126	48.287	ug/l	100
61) 1,2-Dibromoethane	11.25	107	165759	47.855	ug/l	99
64) Tetrachloroethene	10.88	164	240655	51.037	ug/l	93
65) Chlorobenzene	11.67	112	638844	49.536	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	239288	50.121	ug/l	98
67) Ethyl Benzene	11.75	91	1143924	49.853	ug/l	99
68) m/p-Xylenes	11.86	106	881378	100.740	ug/l	100
69) o-Xylene	12.18	106	402154	49.770	ug/l	100
70) Styrene	12.20	104	696163	49.579	ug/l	100
71) Bromoform	12.37	173	142670	49.949	ug/l #	96
73) Isopropylbenzene	12.48	105	1105426	51.497	ug/l	99
74) N-amyl acetate	12.29	43	253795	52.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	178038	50.155	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	108422m	44.173	ug/l	
77) Bromobenzene	12.77	156	269043	50.754	ug/l	99
78) n-propylbenzene	12.83	91	1273803	51.431	ug/l	100
79) 2-Chlorotoluene	12.91	91	692822	50.837	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	887326	50.584	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	60058	53.355	ug/l	97
82) 4-Chlorotoluene	13.01	91	723737	50.157	ug/l	100
83) tert-Butylbenzene	13.23	119	787644	51.647	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	885621	50.209	ug/l	98
85) sec-Butylbenzene	13.41	105	1079986	51.598	ug/l	100
86) p-Isopropyltoluene	13.53	119	1020286	51.632	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	499987	49.695	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	491392	49.470	ug/l	99
89) n-Butylbenzene	13.85	91	918367	51.176	ug/l	99
90) Hexachloroethane	14.12	117	191630	51.848	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	433033	50.362	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29057	55.242	ug/l	97

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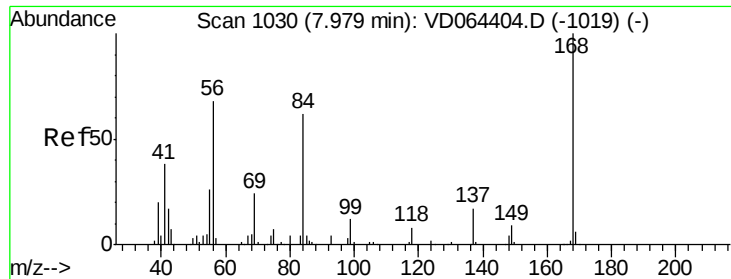
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	323379	49.108	ug/l	100
94) Hexachlorobutadiene	15.28	225	202814	49.890	ug/l	98
95) Naphthalene	15.41	128	547557	49.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	282731	50.299	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleID :

VSTDICCC050

Tot Ion:168 Resp: 501419

Ion Ratio Lower Upper

168 100

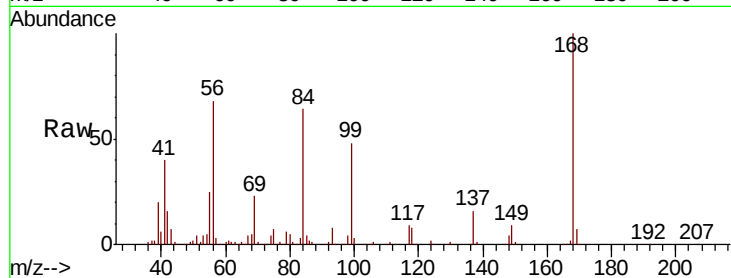
99 47.8 40.7 61.1

Manual Integrations

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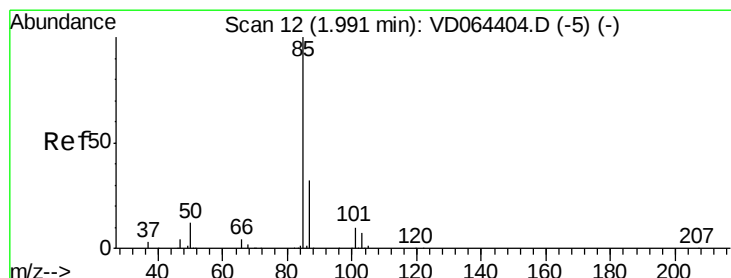
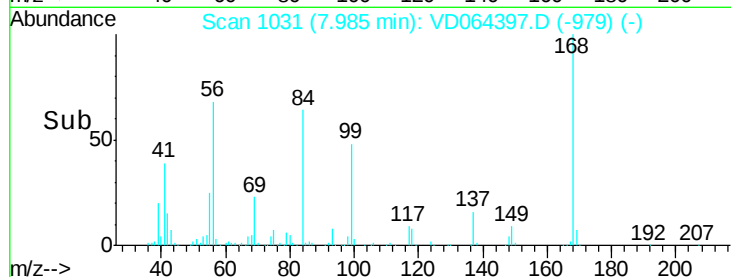
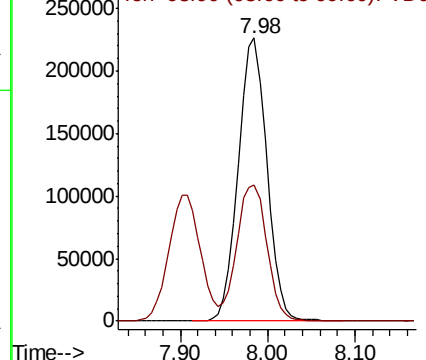
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.645 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064397.D

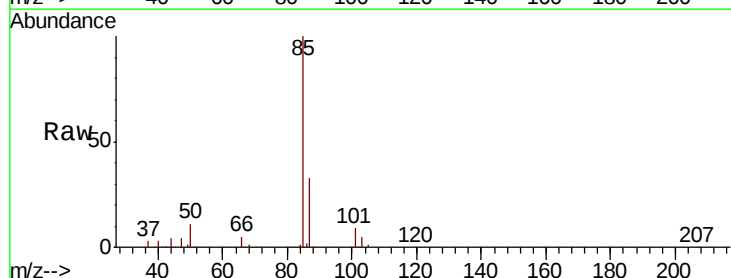
Acq: 27 Nov 2019 15:35

Tgt Ion: 85 Resp: 216468

Ion Ratio Lower Upper

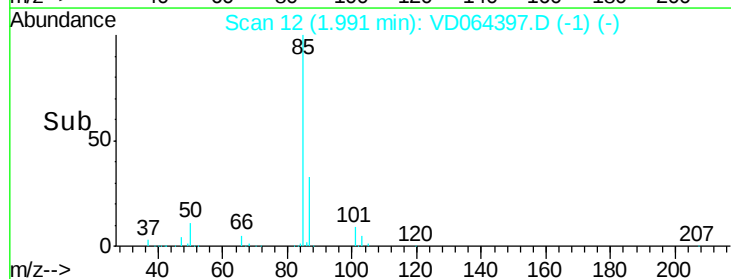
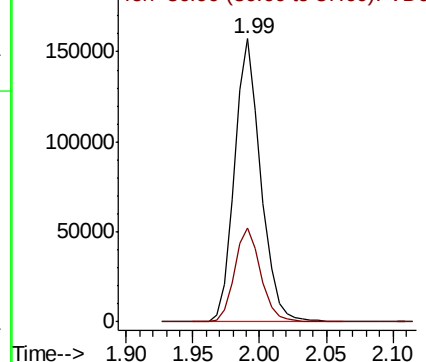
85 100

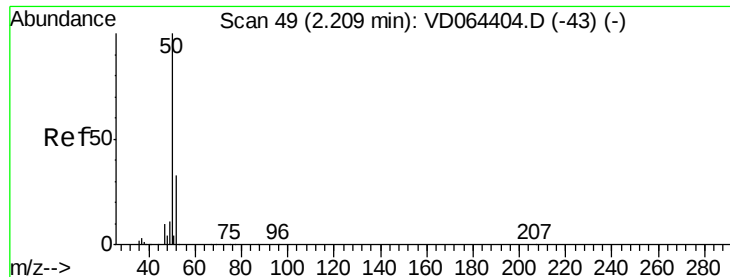
87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.008 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 263643

Ion Ratio Lower Upper

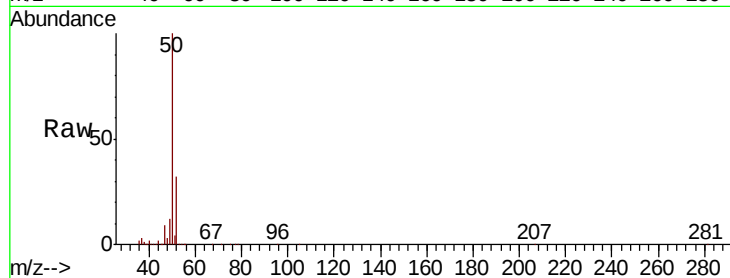
50 100

52 31.8 26.7 40.1

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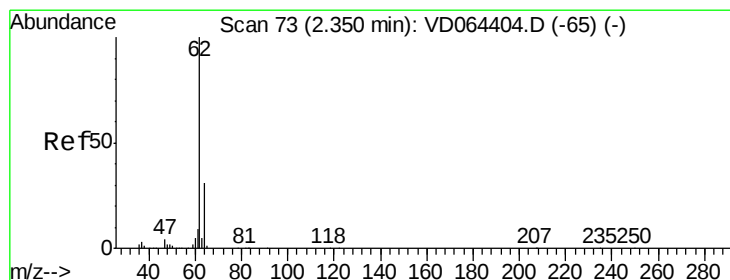
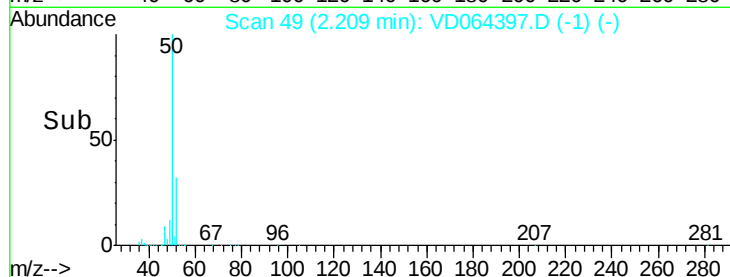
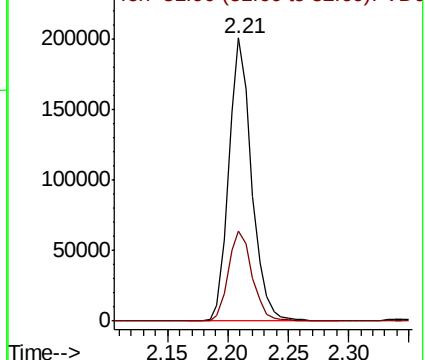
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.945 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064397.D

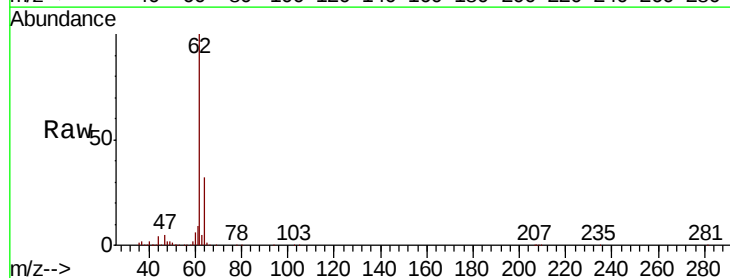
Acq: 27 Nov 2019 15:35

Tgt Ion: 62 Resp: 323840

Ion Ratio Lower Upper

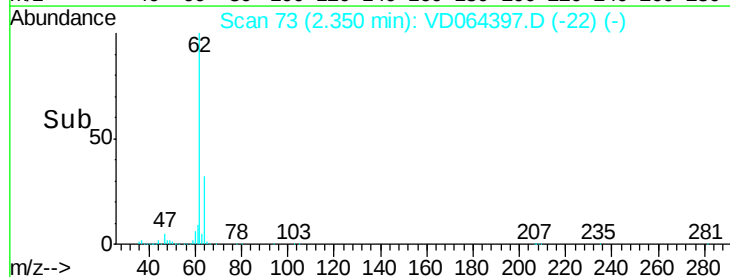
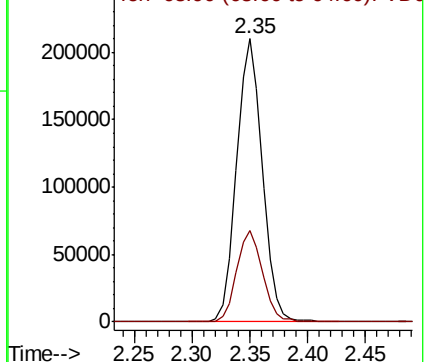
62 100

64 32.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.403 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 222151

Ion Ratio Lower Upper

94 100

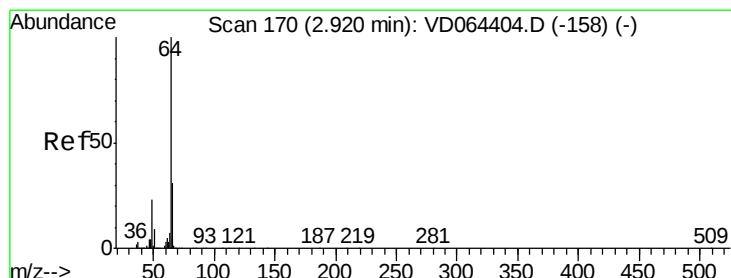
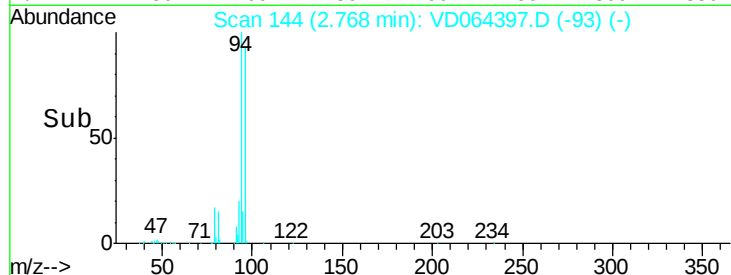
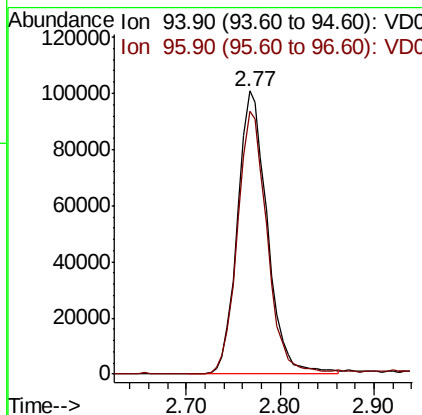
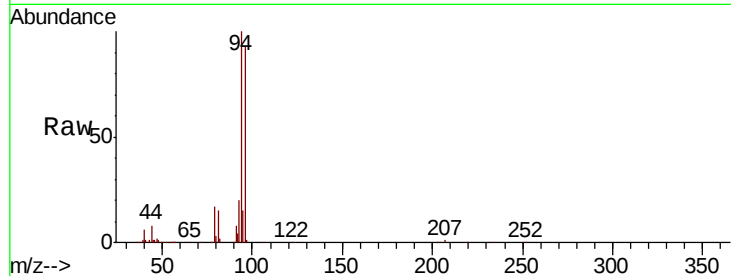
96 92.7 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 47.589 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064397.D

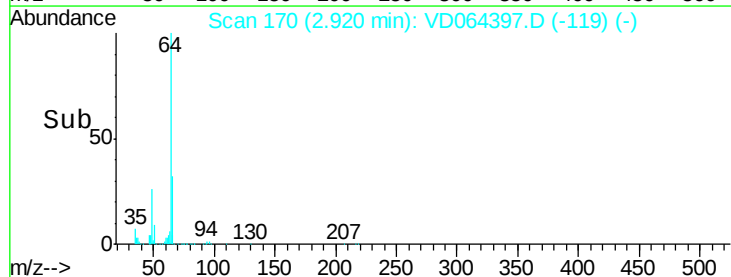
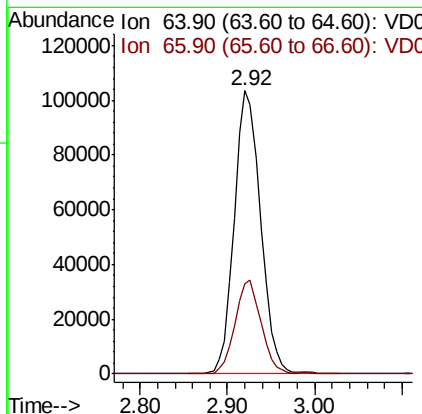
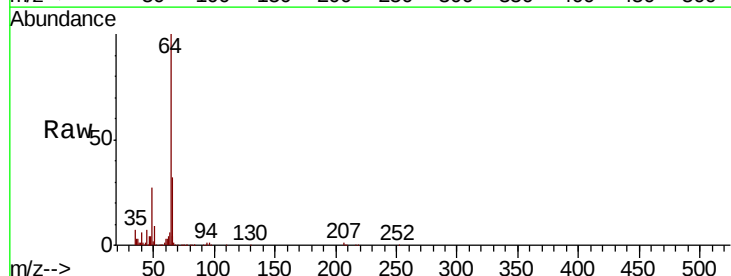
Acq: 27 Nov 2019 15:35

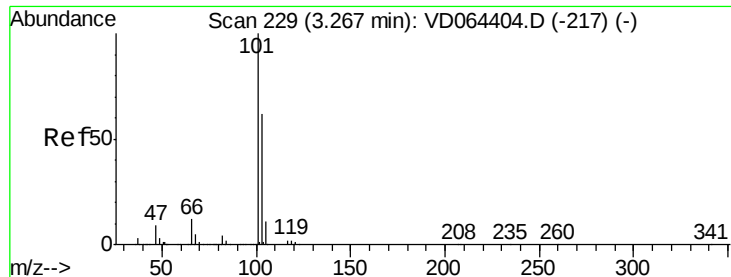
Tgt Ion: 64 Resp: 210456

Ion Ratio Lower Upper

64 100

66 31.5 24.6 37.0





#7

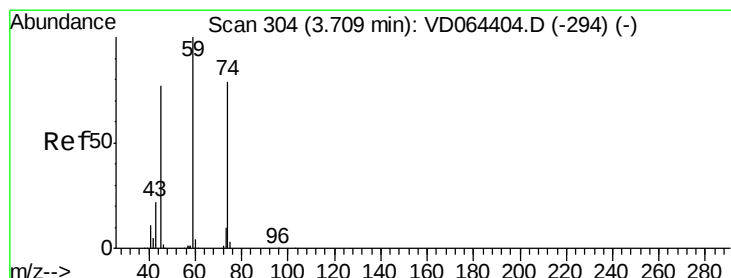
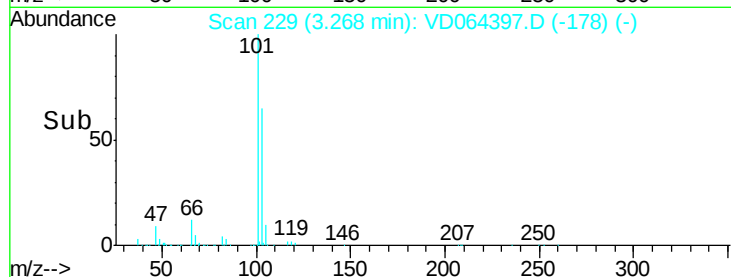
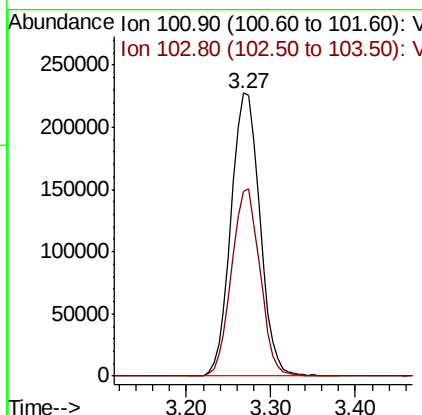
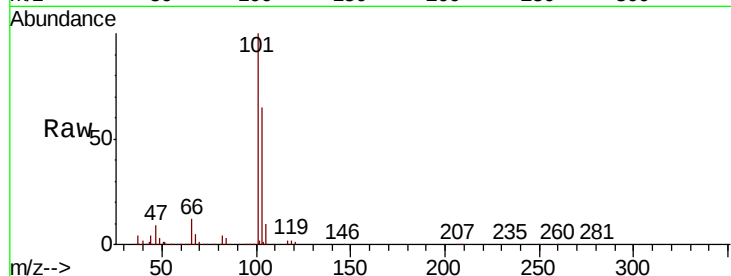
Trichlorofluoromethane
Concen: 48.842 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
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VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	49.8	74.6

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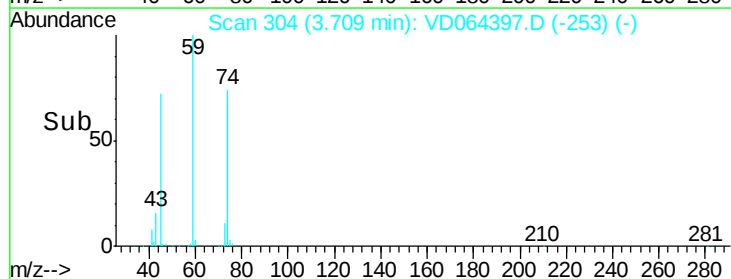
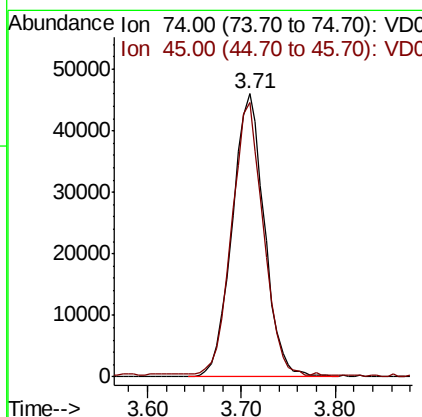
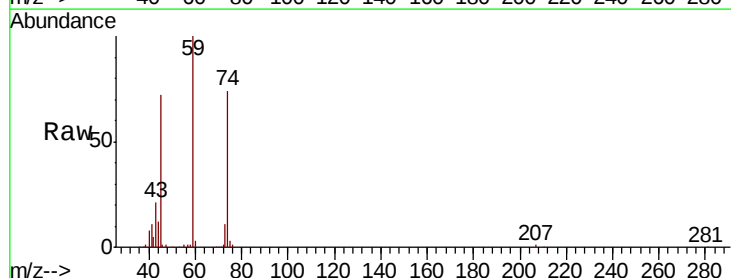
apatel
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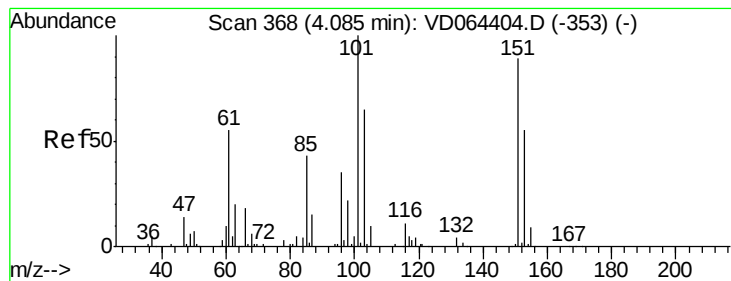


#8

Diethyl Ether
Concen: 47.870 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.619 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

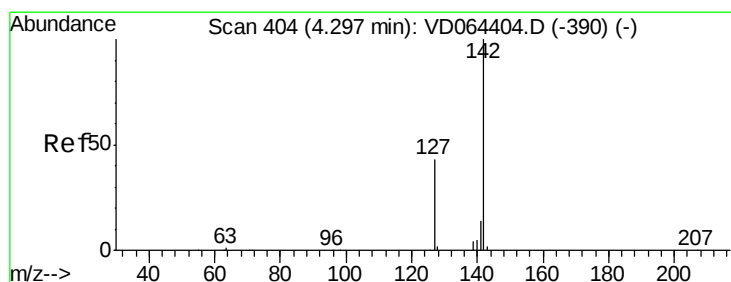
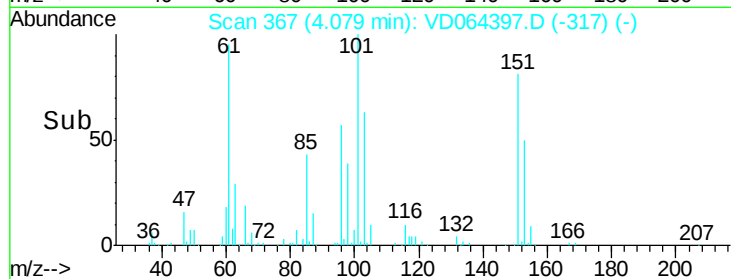
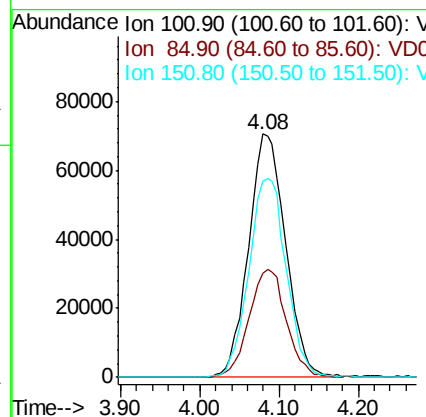
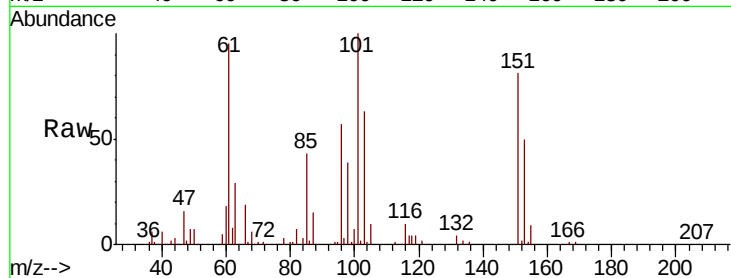
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	229292
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.8	52.2
151	82.7	68.8	103.2

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#10

Methyl Iodide

Concen: 55.174 ug/l

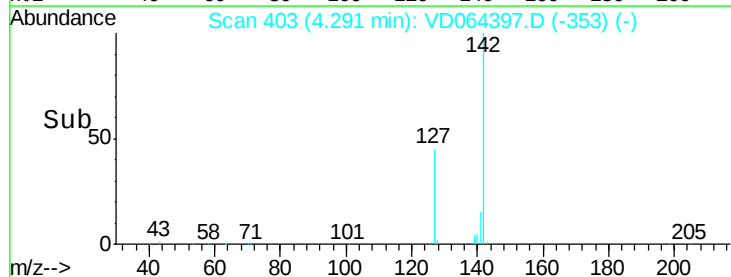
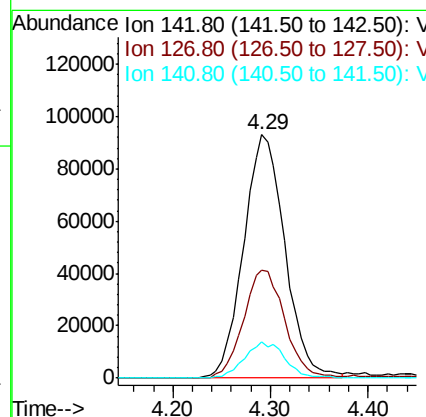
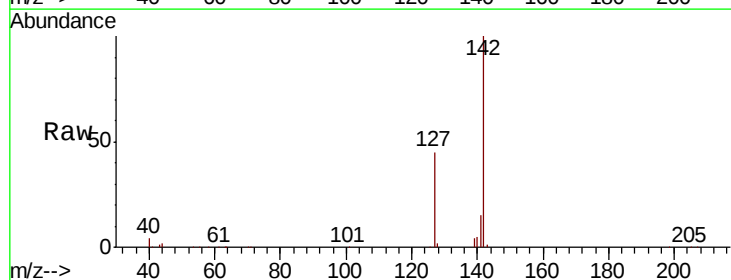
RT: 4.29 min Scan# 403

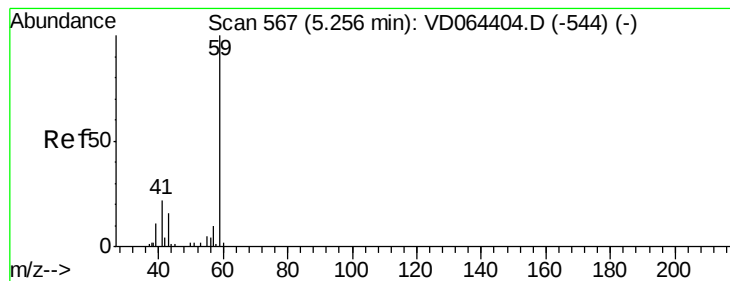
Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Tgt Ion:	142	Resp:	274789
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.3	52.9
141	14.7	11.6	17.4





#11

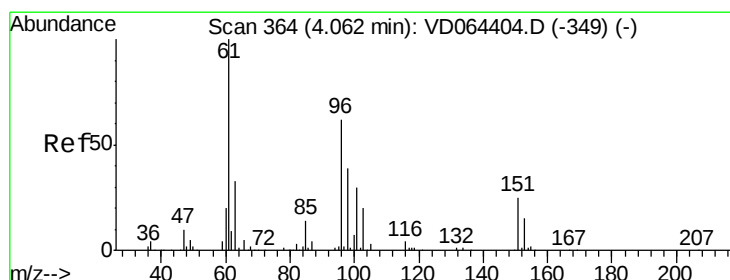
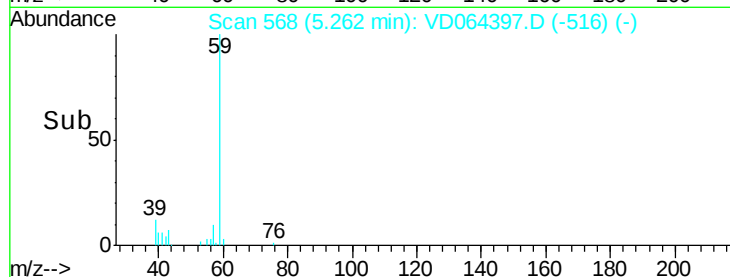
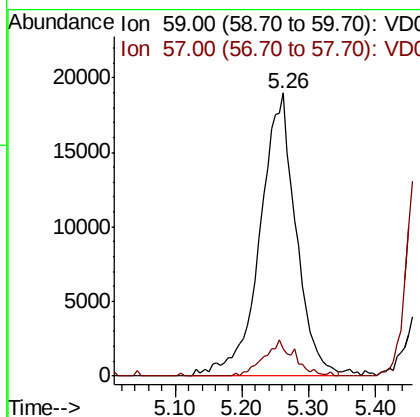
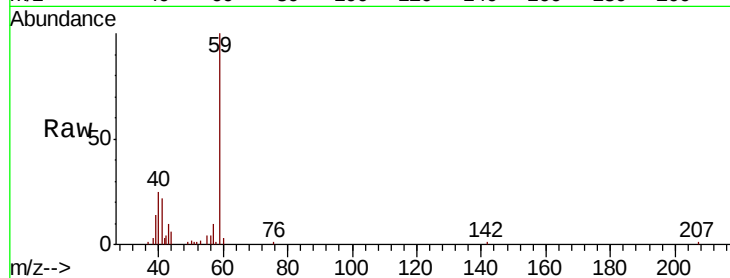
Tert butyl alcohol
Concen: 246.452 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 71201
Ion Ratio Lower Upper
59 100
57 11.0 0.0 0.0#

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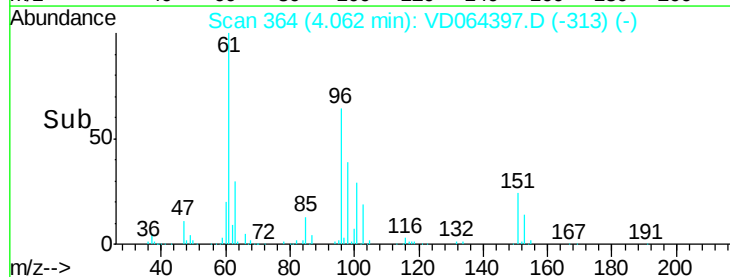
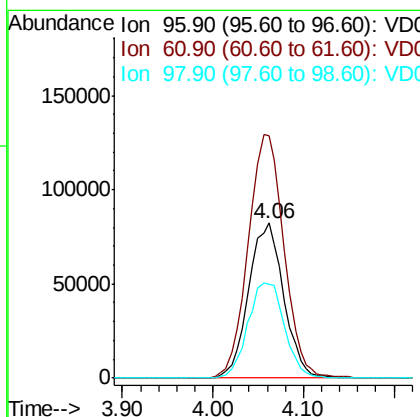
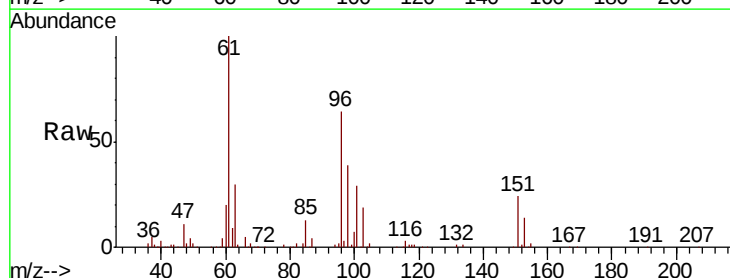
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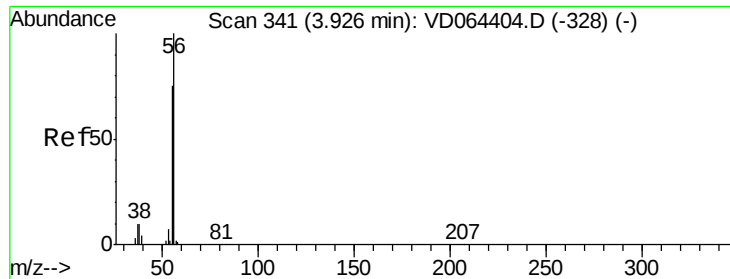


#12

1,1-Dichloroethene
Concen: 48.912 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion: 96 Resp: 221058
Ion Ratio Lower Upper
96 100
61 156.1 128.2 192.4
98 60.6 50.4 75.6





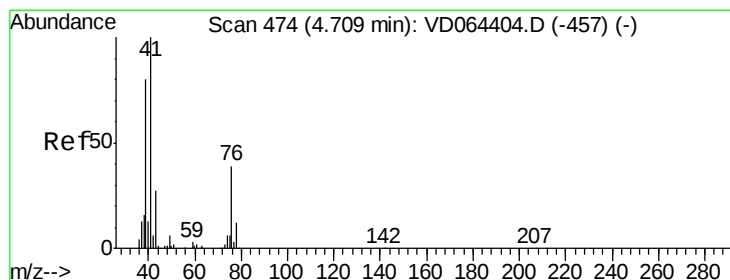
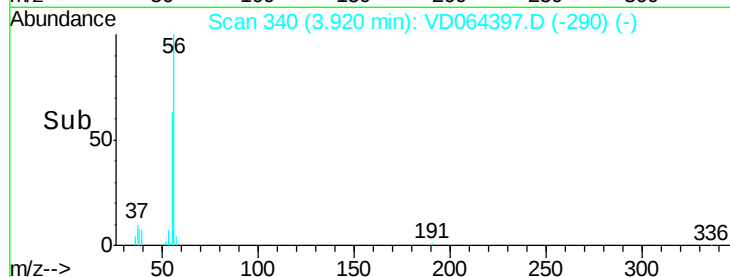
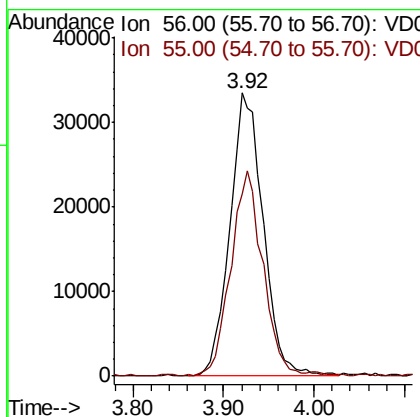
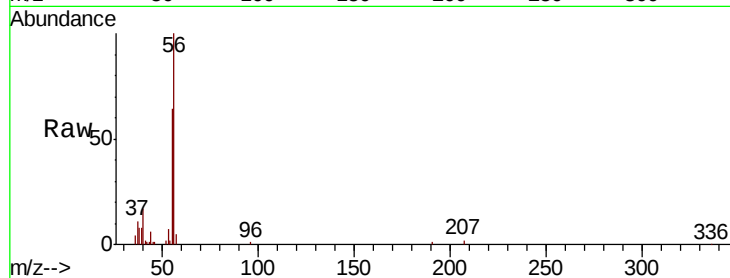
#13
Acrolein
Concen: 217.335 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	69.6	56.9	85.3

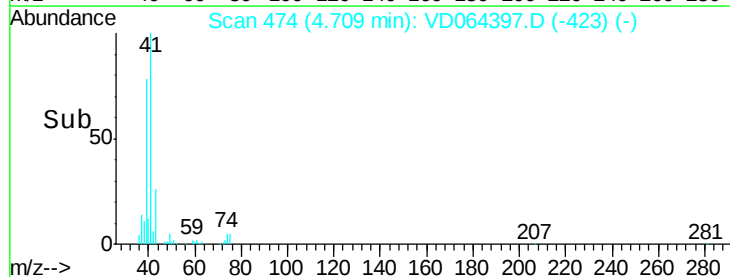
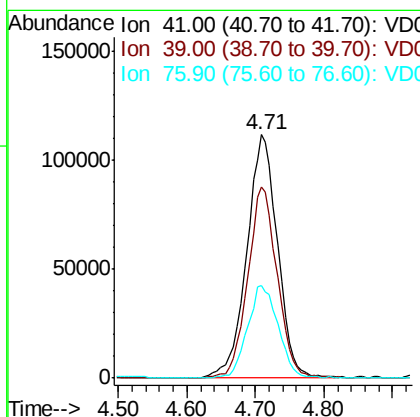
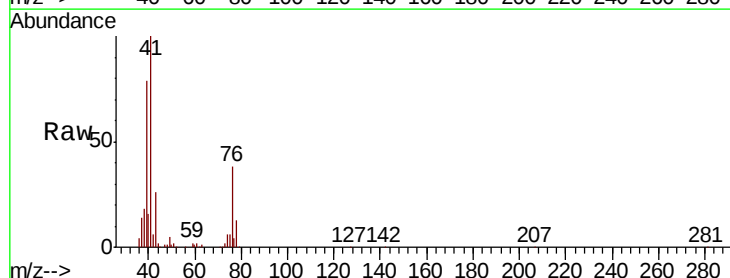
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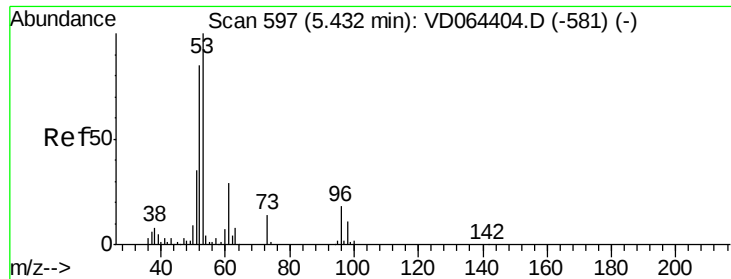
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#14
Allyl chloride
Concen: 49.374 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	75.9	62.1	93.1
76	76	38.0	29.8	44.8





#15

Acrylonitrile

Concen: 240.982 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

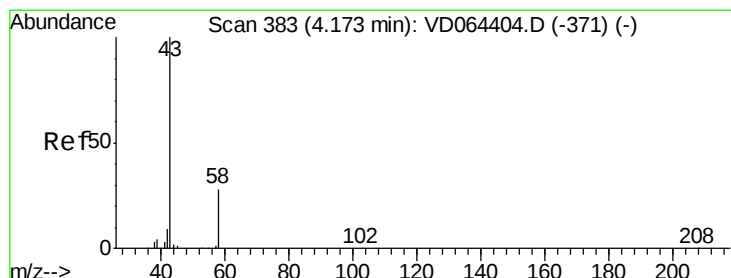
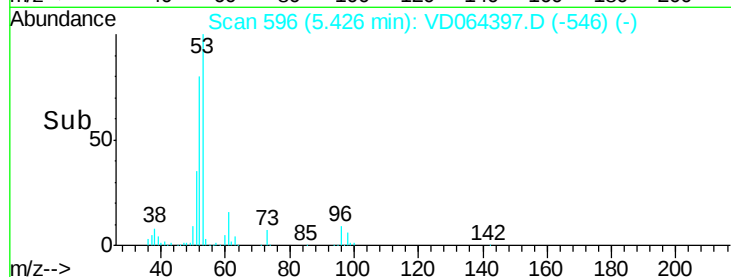
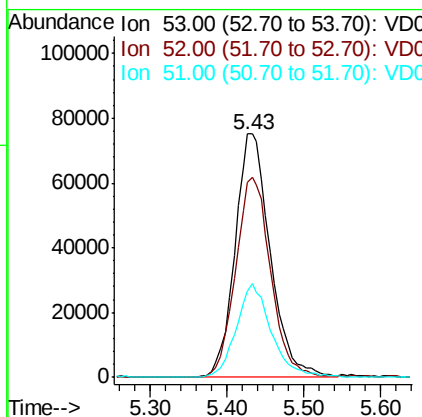
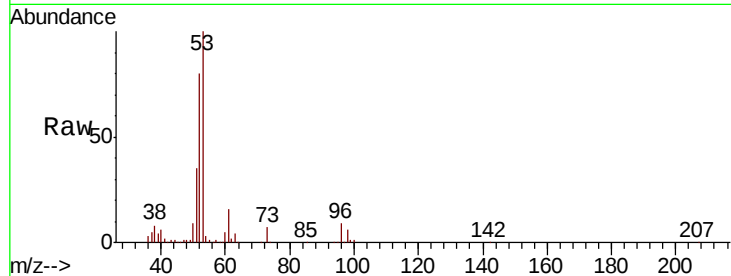
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	240859
Ion Ratio	Lower	Upper	
53	100		
52	81.6	67.9	101.9
51	38.3	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 260.426 ug/l

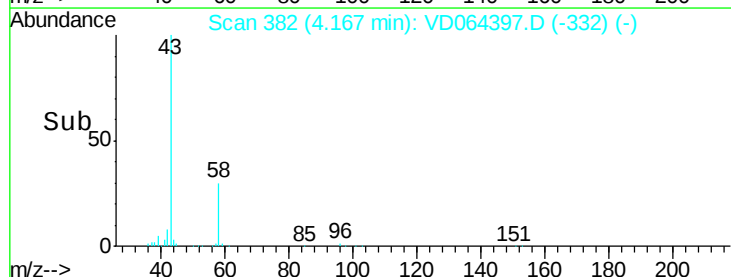
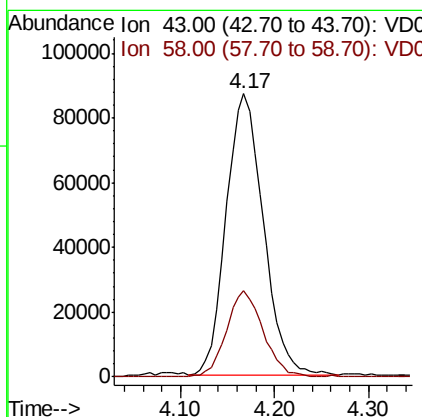
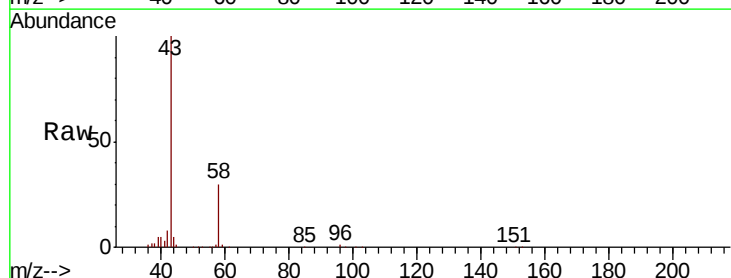
RT: 4.17 min Scan# 382

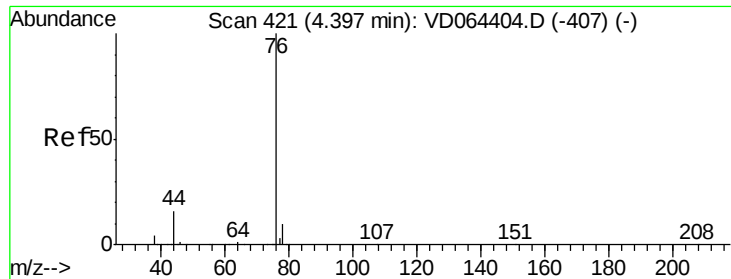
Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Tgt Ion:	43	Resp:	238851
Ion Ratio	Lower	Upper	
43	100		
58	30.4	22.6	33.8





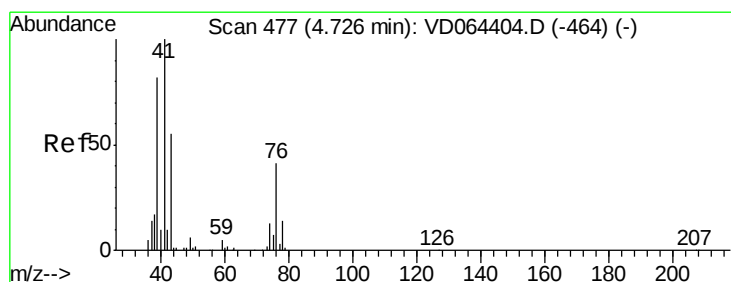
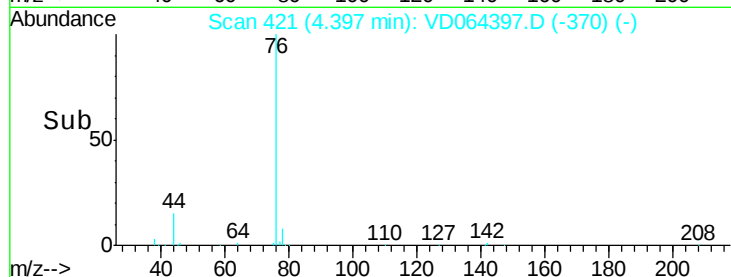
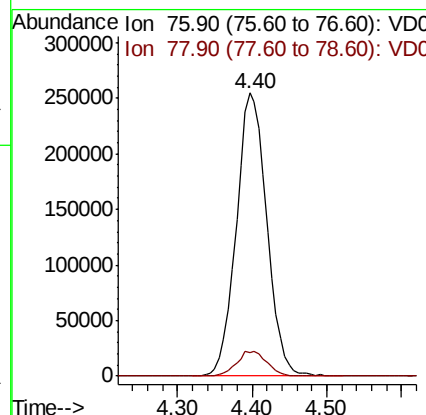
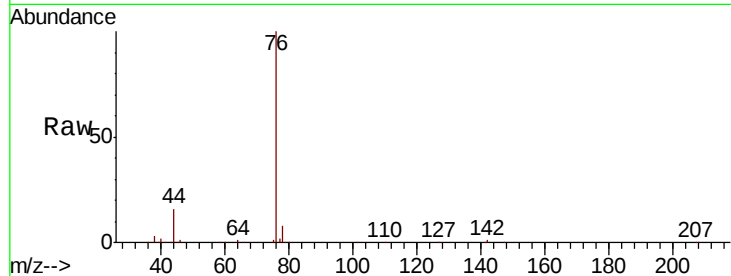
#17
Carbon Disulfide
Concen: 50.389 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.8	11.8

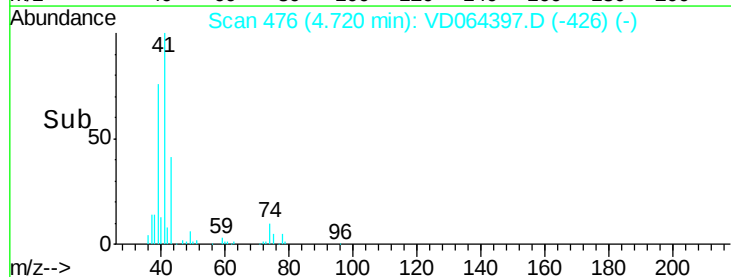
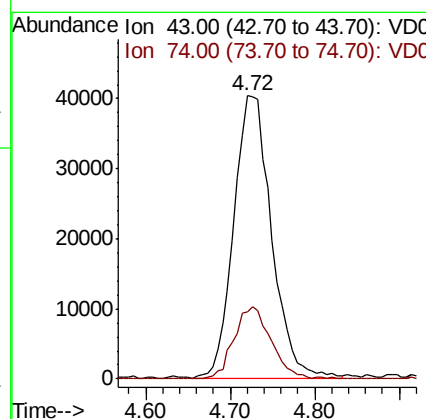
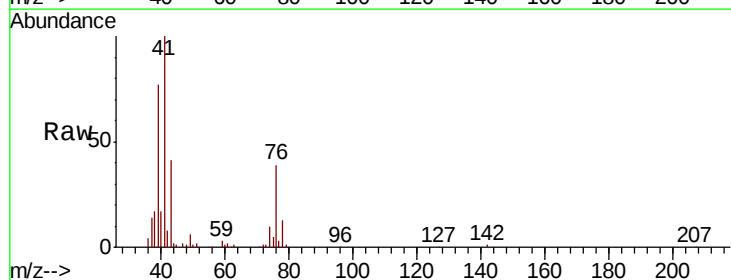
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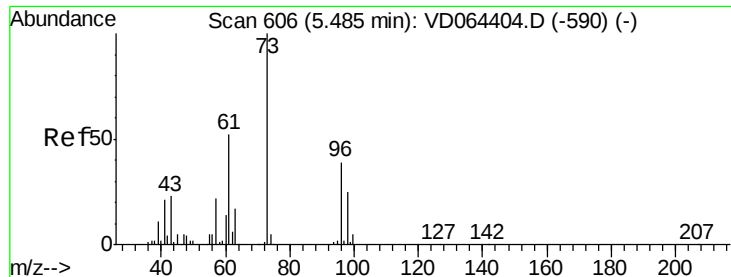
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#18
Methyl Acetate
Concen: 47.078 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.7	29.5





#19

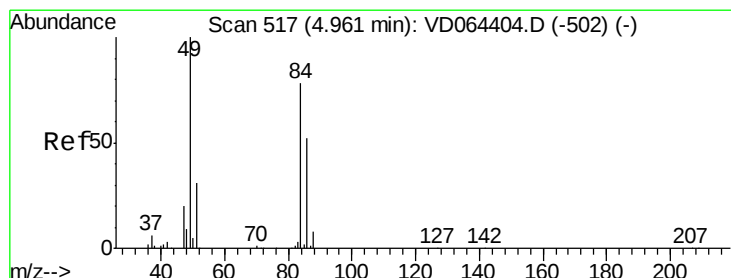
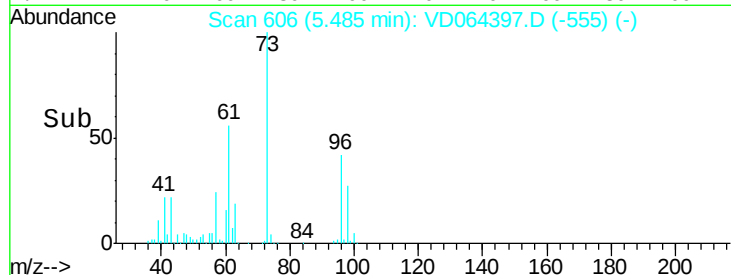
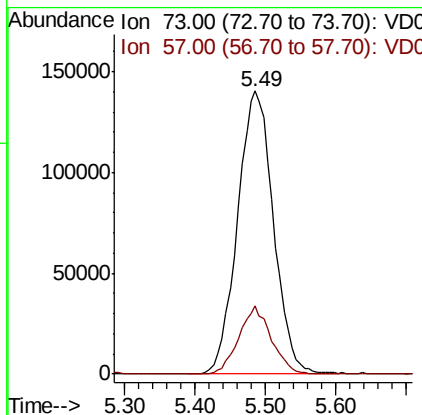
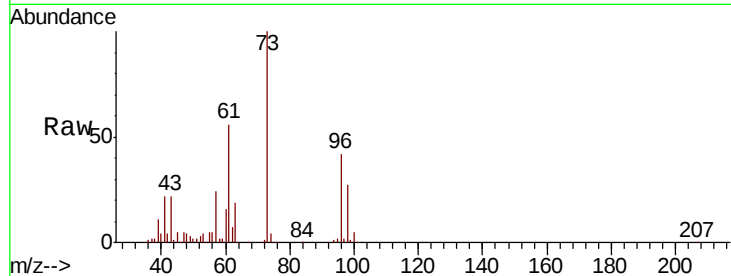
Methyl tert-butyl Ether
 Concen: 47.956 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

Tot Ion: 73 Resp: 497166
 Ion Ratio Lower Upper
 73 100
 57 23.9 17.6 26.4

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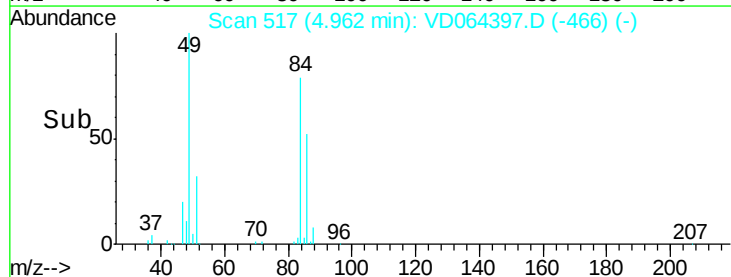
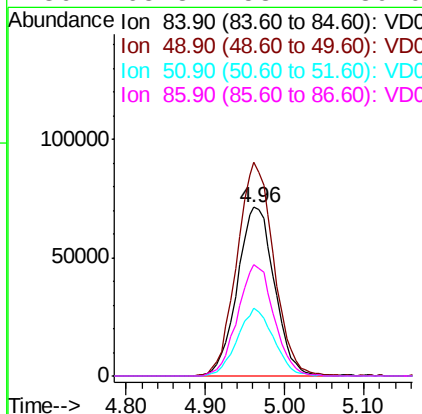
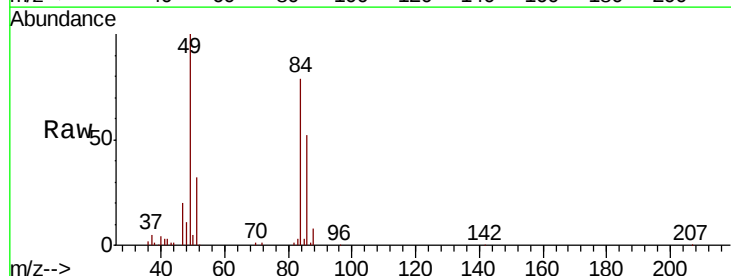
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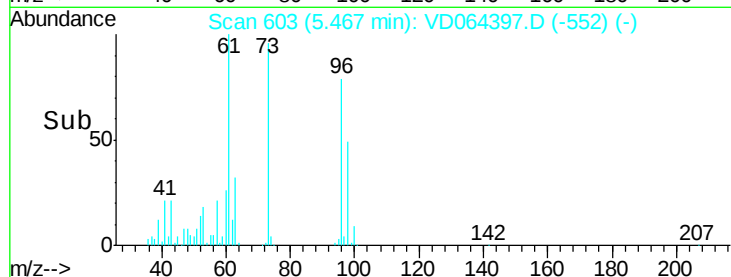
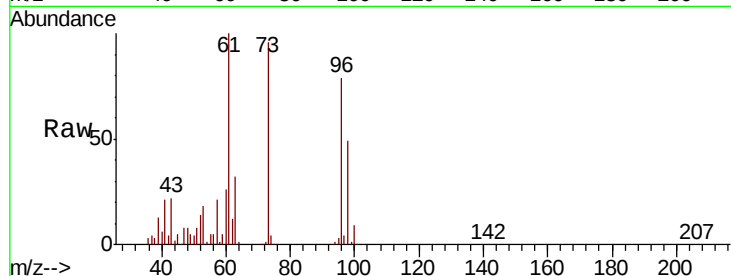
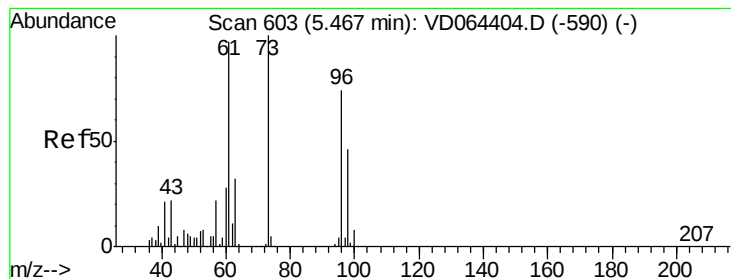


#20

Methylene Chloride
 Concen: 49.816 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion: 84 Resp: 232224
 Ion Ratio Lower Upper
 84 100
 49 126.8 102.6 153.8
 51 40.4 32.0 48.0
 86 65.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 48.691 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Tot Ion:	96	Resp:	248925
Ion	Ratio	Lower	Upper
96	100		
61	126.7	105.8	158.6
98	62.2	50.1	75.1

Instrument :

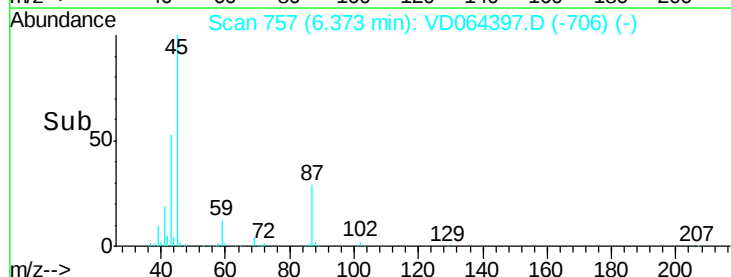
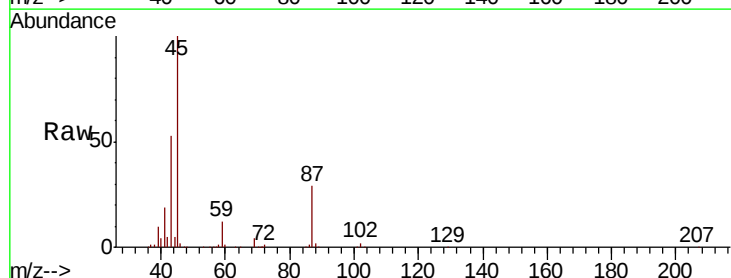
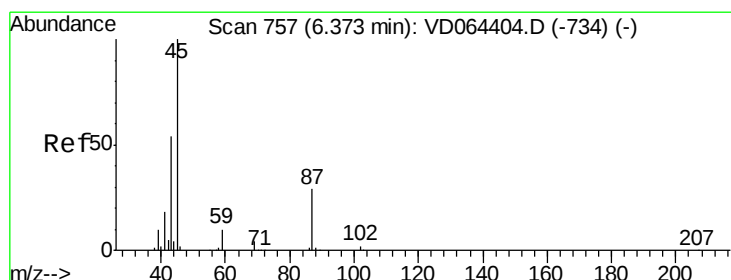
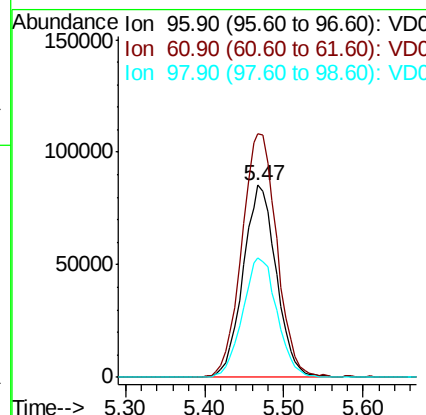
MSVOA_D

ClientSampleId :

VSTDICCC050

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#22

Diisopropyl ether

Concen: 47.293 ug/l

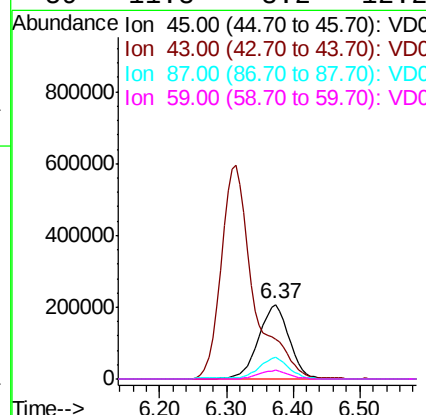
RT: 6.37 min Scan# 757

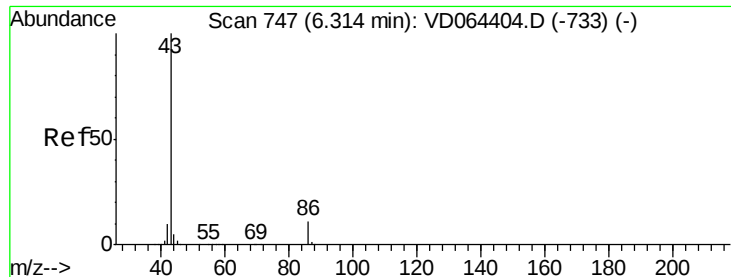
Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Tgt Ion:	45	Resp:	658508
Ion	Ratio	Lower	Upper
45	100		
43	52.5	43.1	64.7
87	28.6	23.5	35.3
59	11.8	8.2	12.2





#23

Vinyl Acetate

Concen: 246.315 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2021940

Ion Ratio Lower Upper

43 100

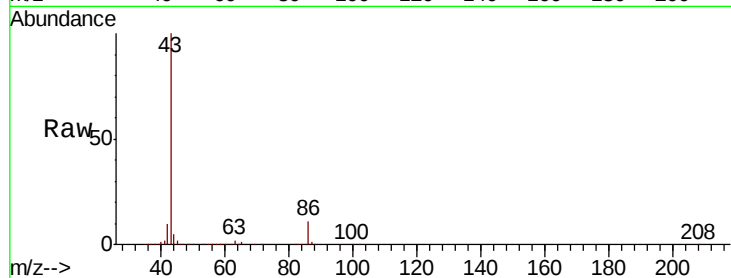
86 10.6 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

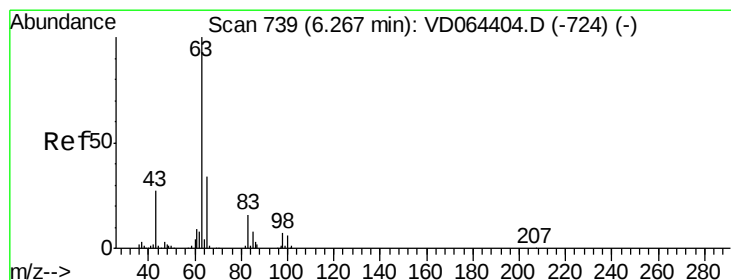
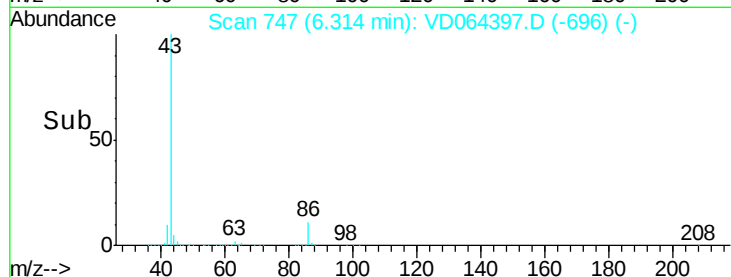
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.846 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

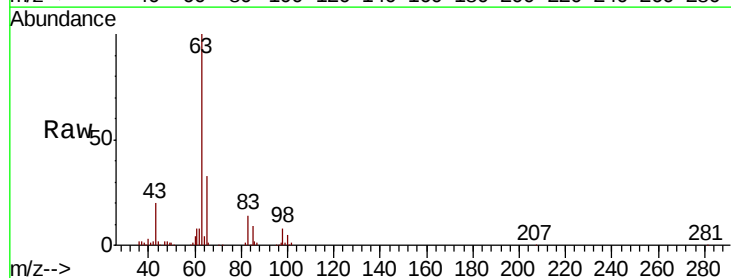
Tgt Ion: 63 Resp: 409028

Ion Ratio Lower Upper

63 100

98 7.8 3.6 10.9

100 4.8 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

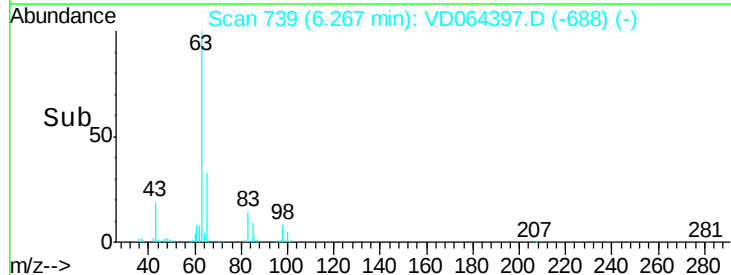
150000

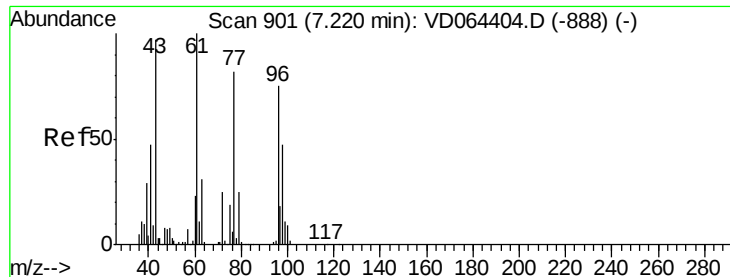
100000

50000

0

Time-->





#25

2-Butanone

Concen: 247.080 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 320474

Ion Ratio Lower Upper

43 100

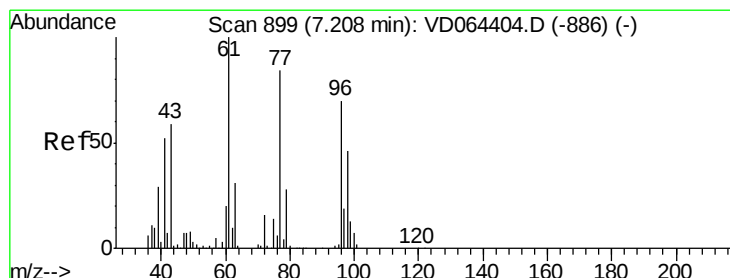
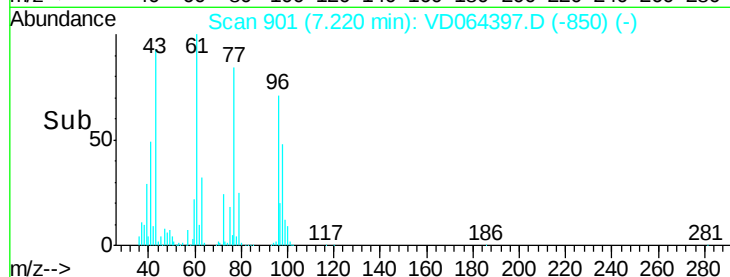
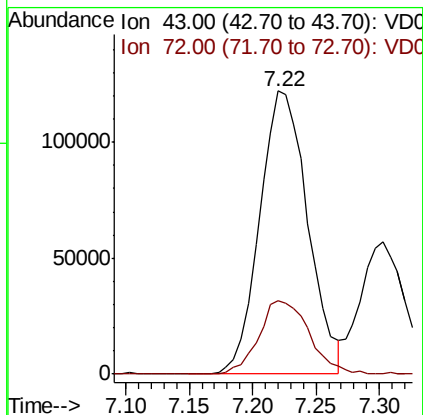
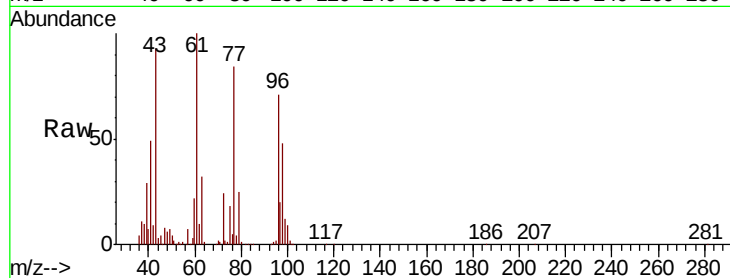
72 26.2 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 50.359 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064397.D

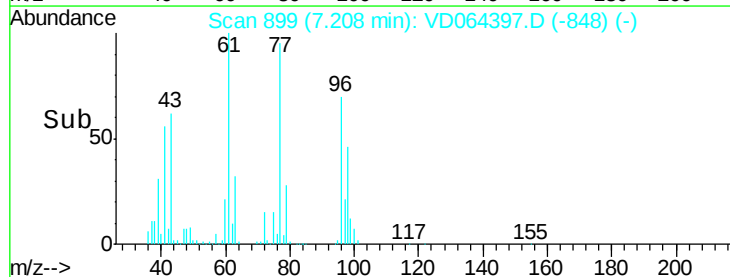
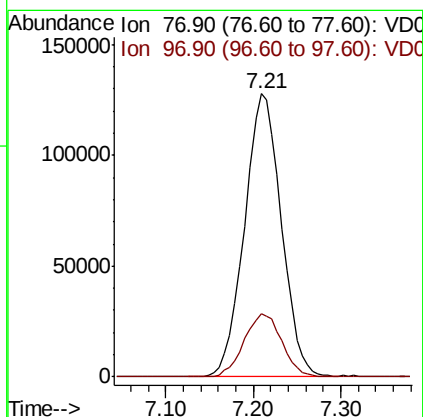
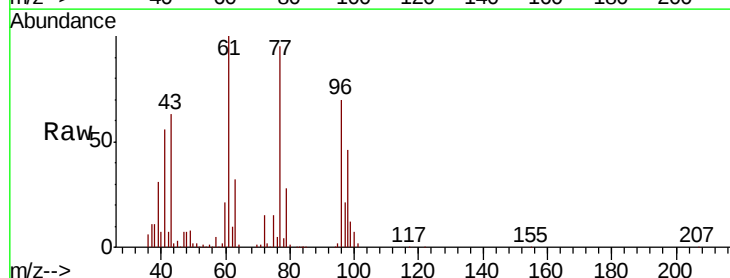
Acq: 27 Nov 2019 15:35

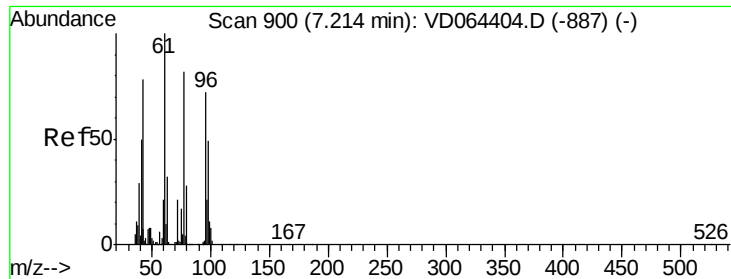
Tgt Ion: 77 Resp: 366727

Ion Ratio Lower Upper

77 100

97 22.9 11.6 34.7





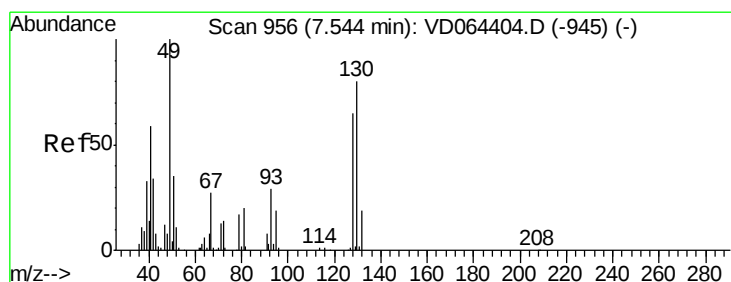
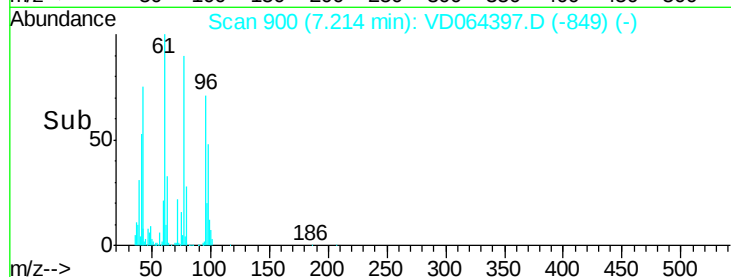
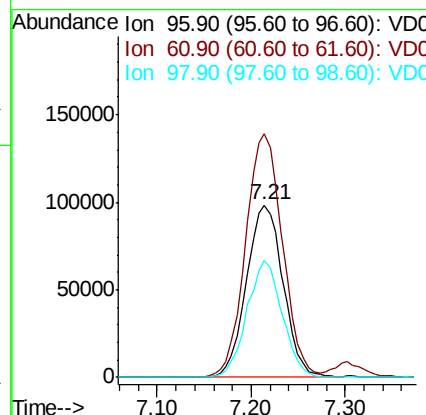
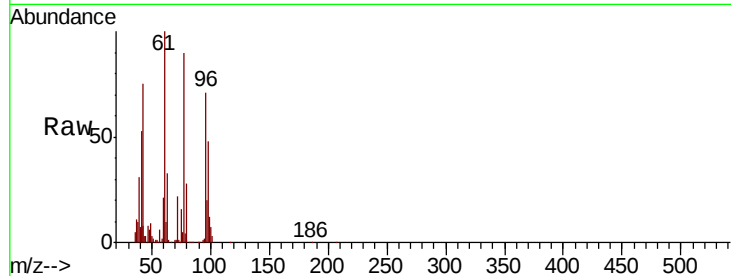
#27
 cis-1,2-Dichloroethene
 Concen: 47.722 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	265984		
61	142.1	0.0	279.6	
98	65.2	0.0	129.2	

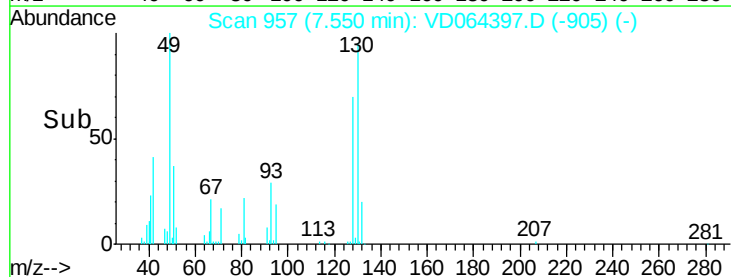
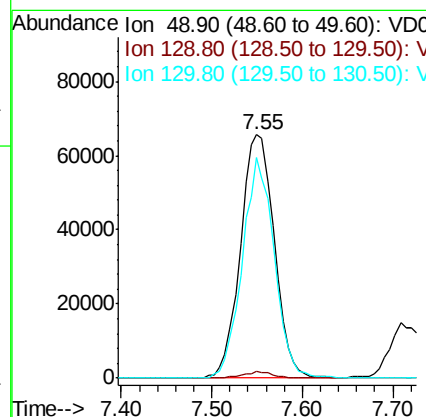
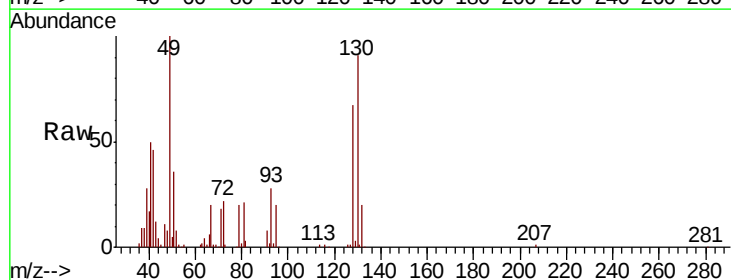
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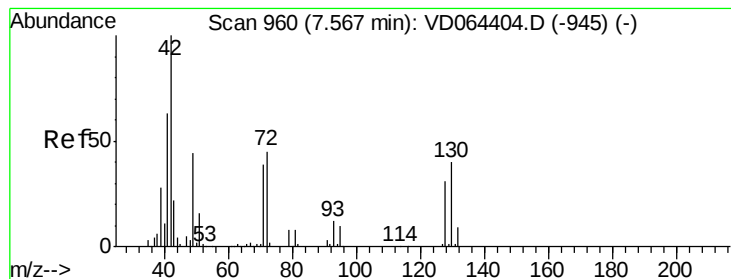
apatel
 12/2/2019 10:56:17 AM



#28
 Bromochloromethane
 Concen: 59.725 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	170917		
129	2.4	0.0	4.4	
130	85.1	67.4	101.0	





#29

Tetrahydrofuran

Concen: 241.575 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

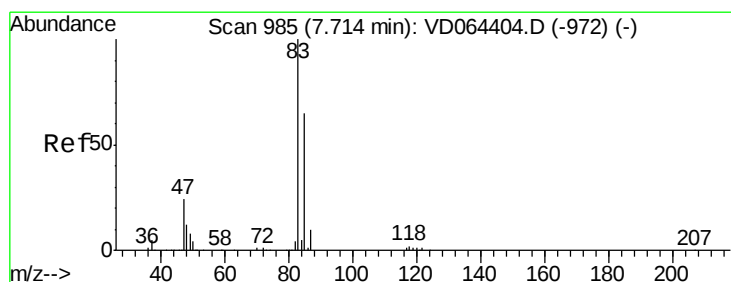
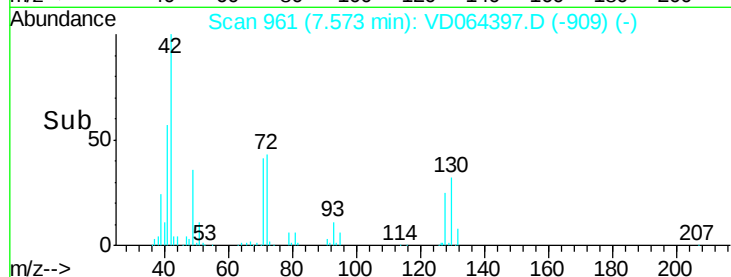
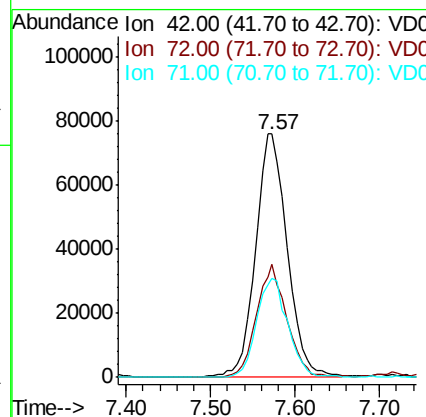
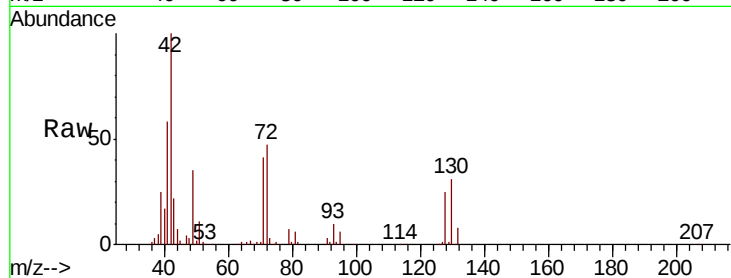
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	199351
Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.8	53.8
71	40.3	32.7	49.1

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#30

Chloroform

Concen: 48.767 ug/l

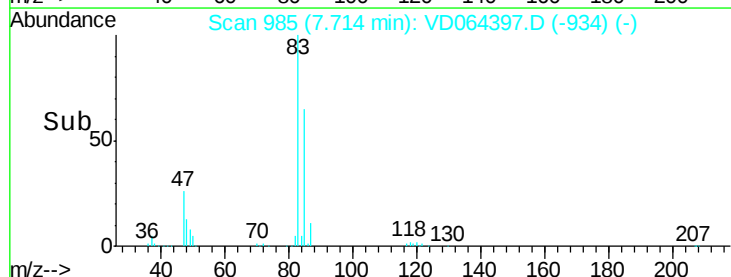
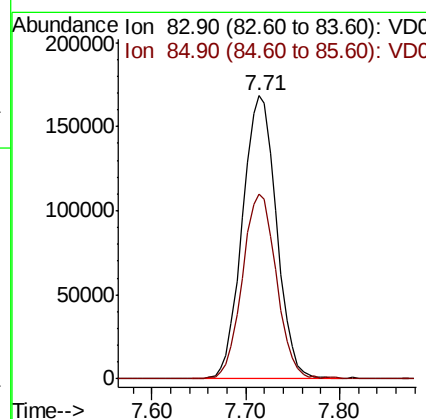
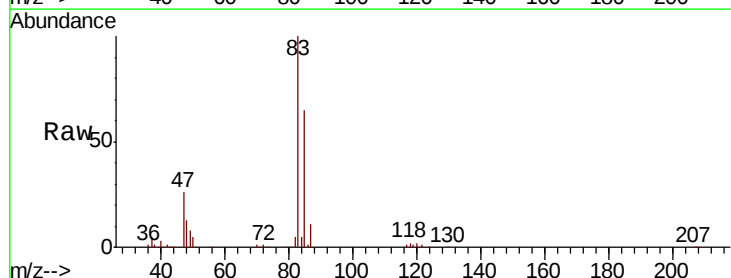
RT: 7.71 min Scan# 985

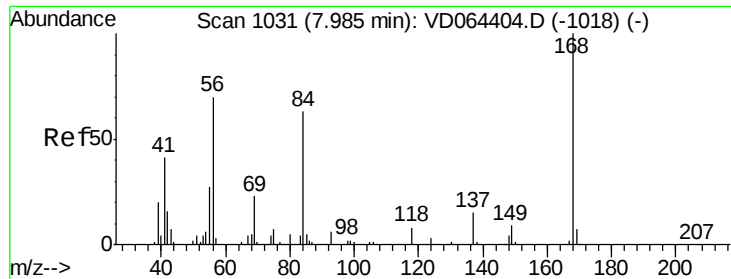
Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Tgt Ion:	83	Resp:	422925
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





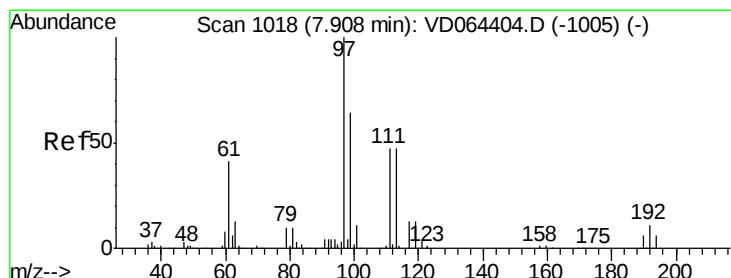
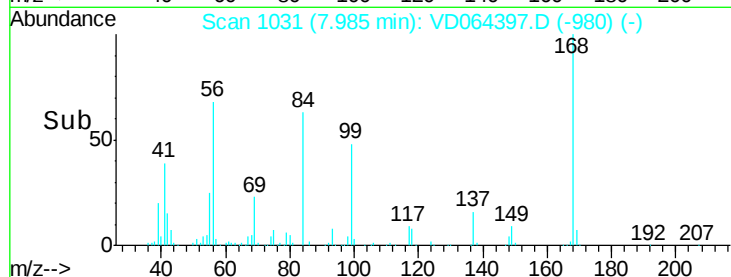
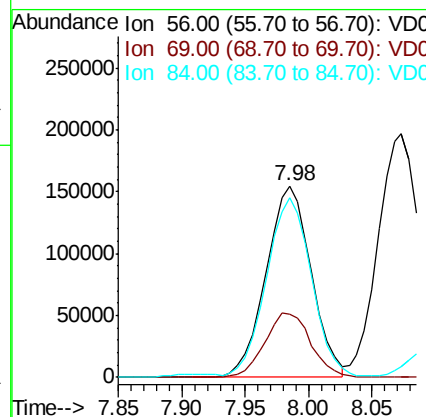
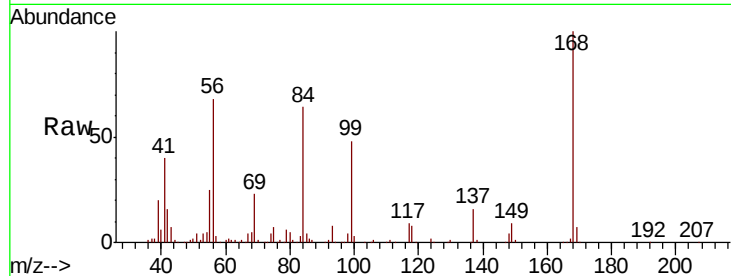
#31
Cyclohexane
Concen: 52.590 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.2	39.4
84	92.0	70.3	105.5

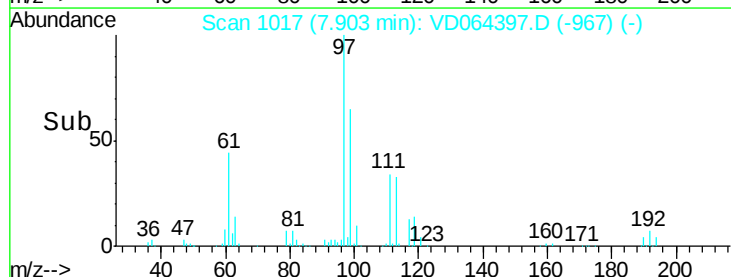
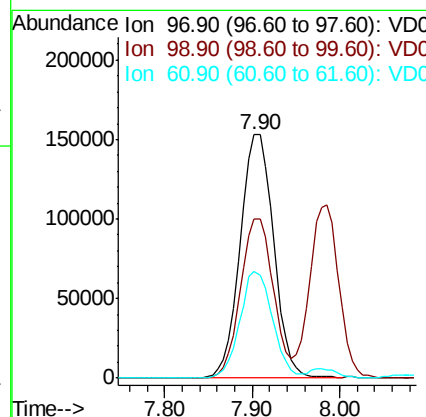
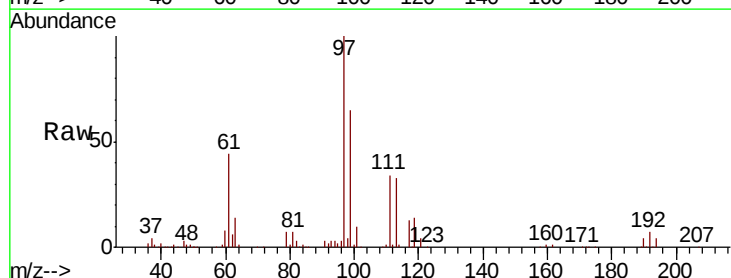
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#32
1,1,1-Trichloroethane
Concen: 49.344 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	42.7	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 46.889 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 212811

Ion Ratio Lower Upper

65 100

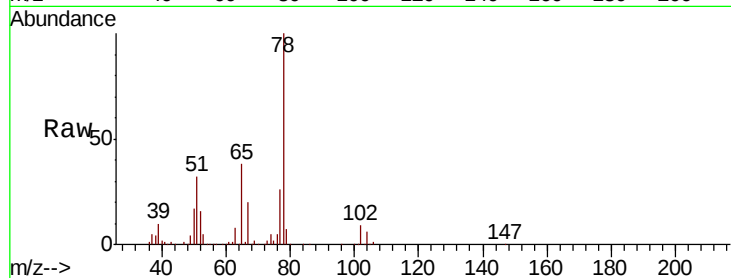
67 52.2 0.0 102.0

Manual Integrations

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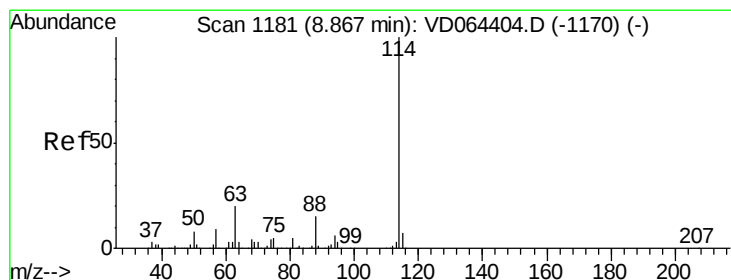
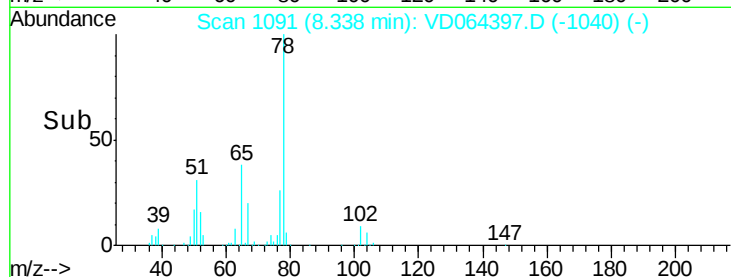
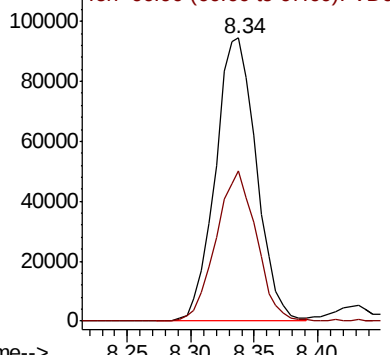
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

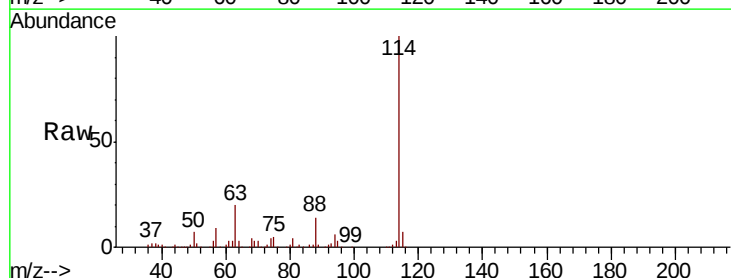
Tgt Ion: 114 Resp: 714478

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

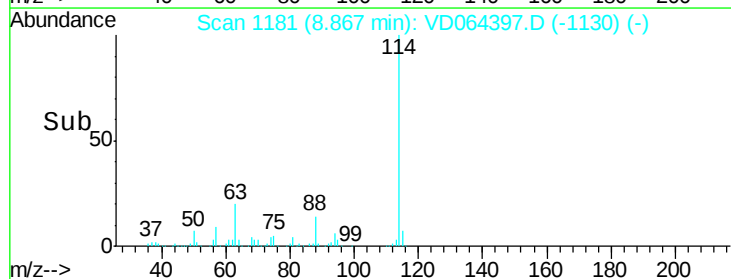
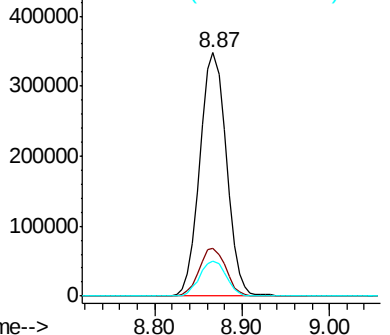
88 14.3 0.0 29.2

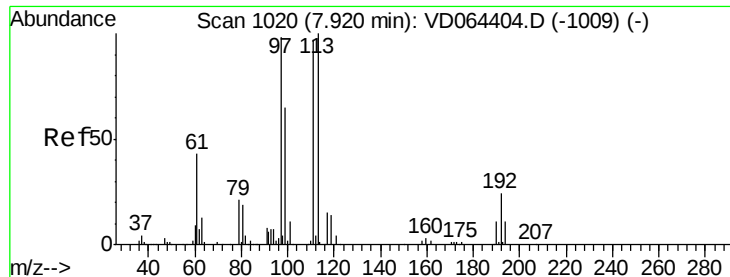


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





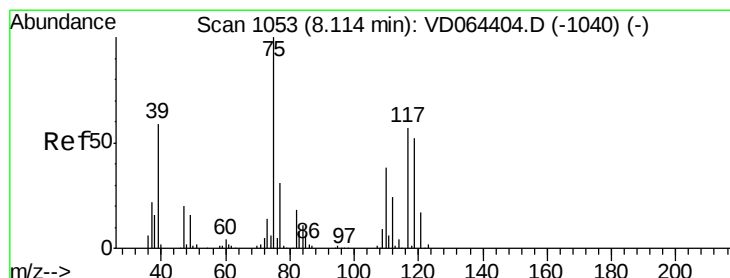
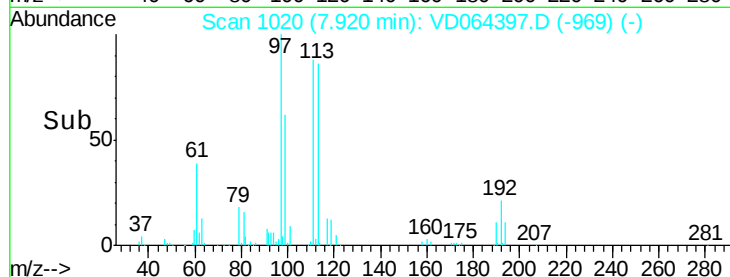
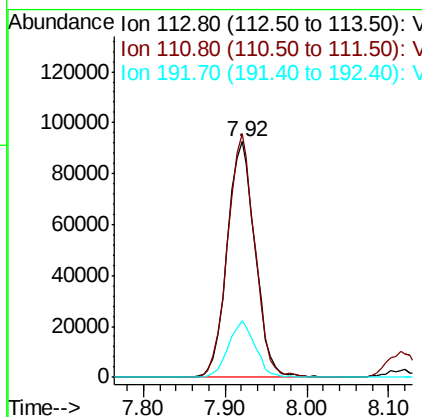
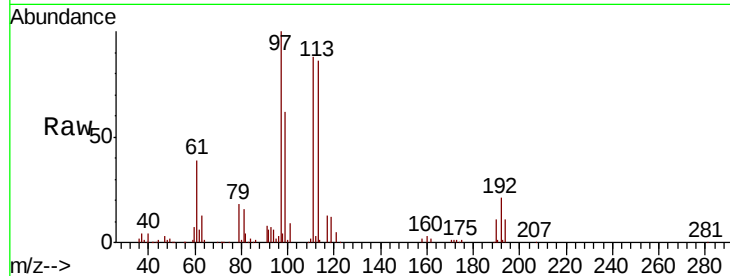
#35
 Dibromofluoromethane
 Concen: 48.941 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	79.4	119.2
192	22.9	18.6	28.0

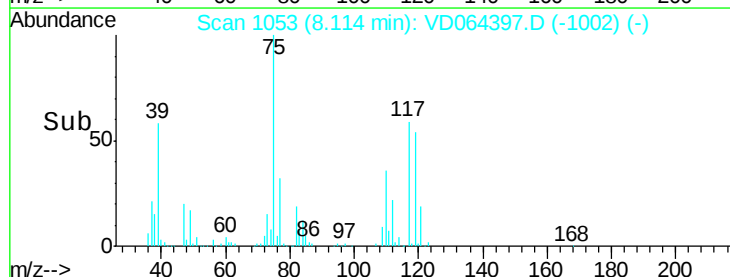
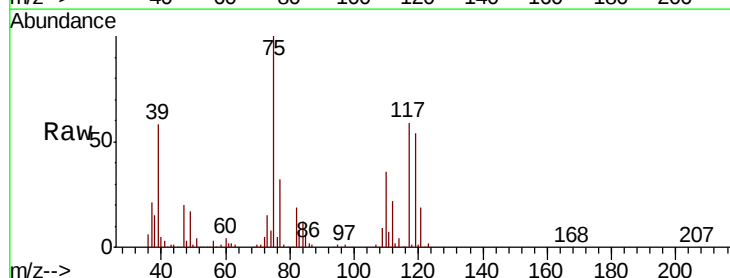
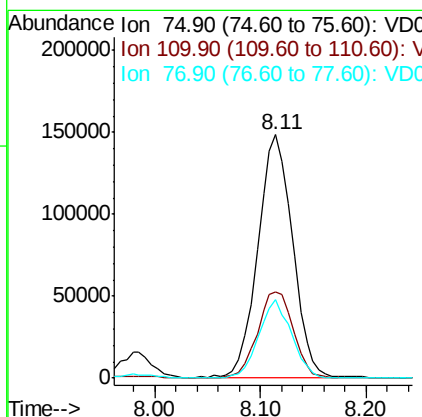
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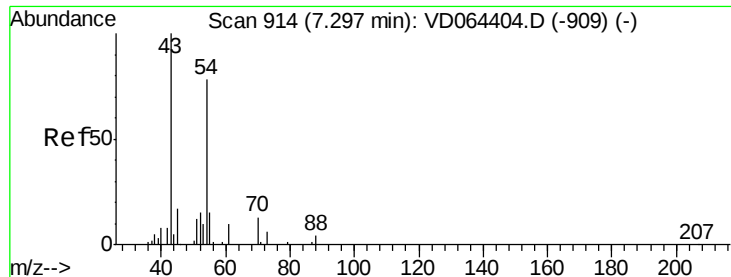
apatel
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#36
 1,1-Dichloropropene
 Concen: 50.177 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.6	55.8
77	30.8	25.0	37.4





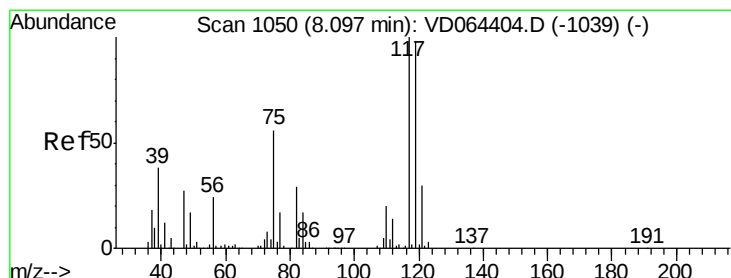
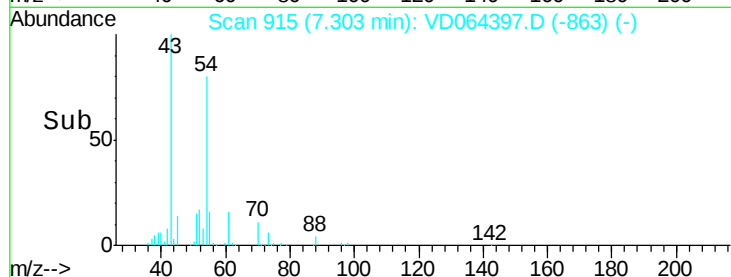
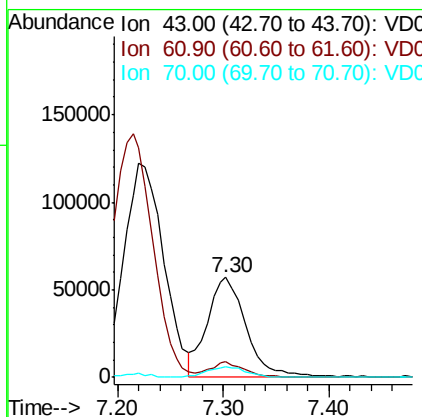
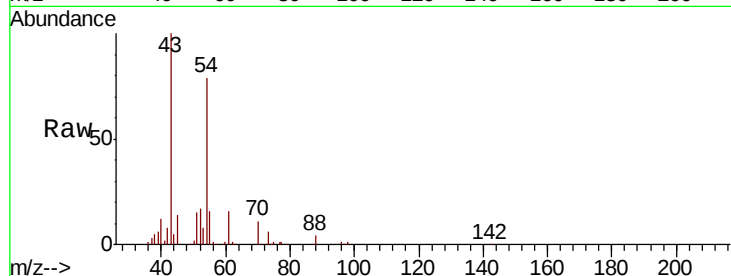
#37
Ethyl Acetate
Concen: 50.040 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.9	16.3
70	10.4	8.3	12.5

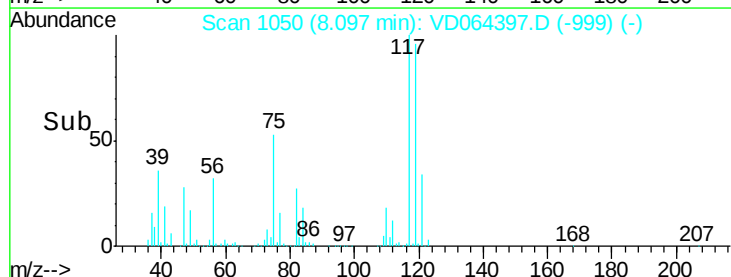
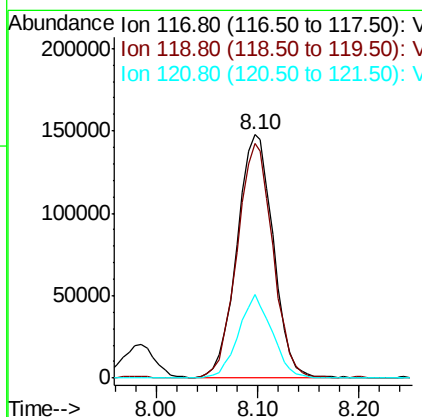
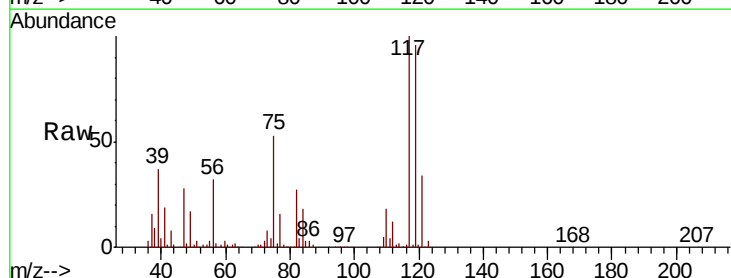
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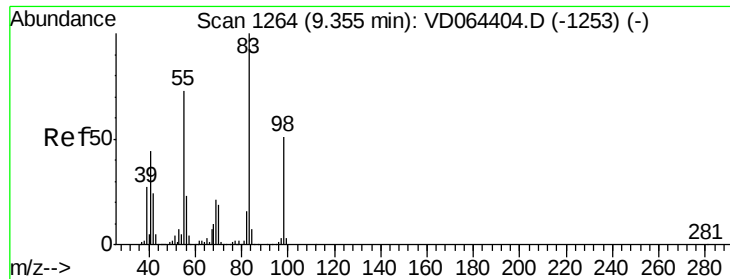
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#38
Carbon Tetrachloride
Concen: 51.154 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.8	118.2
121	34.2	24.2	36.2





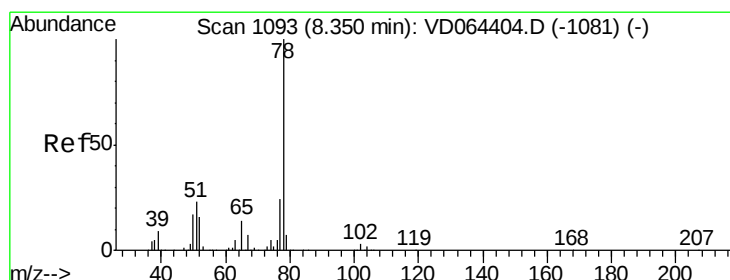
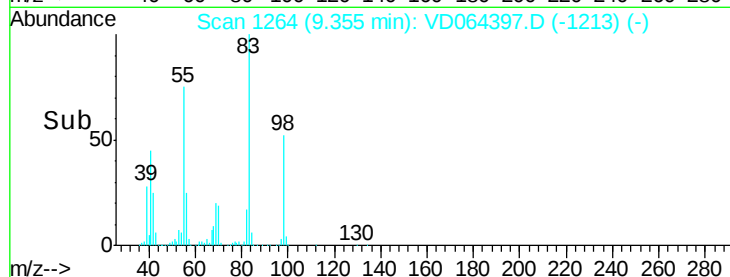
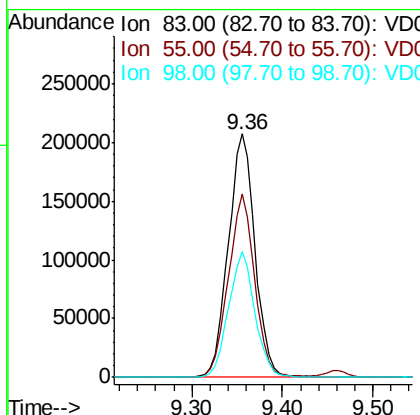
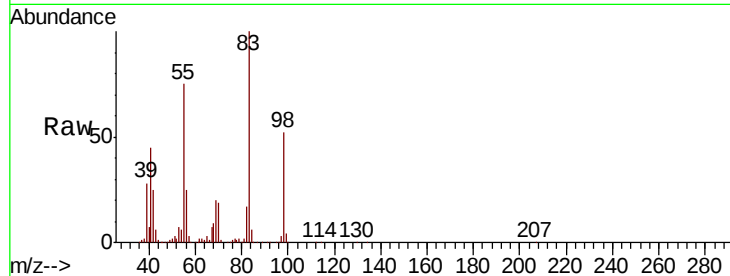
#39
Methvlcvclohexane
Concen: 50.734 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	58.6	87.8
98	51.6	40.9	61.3

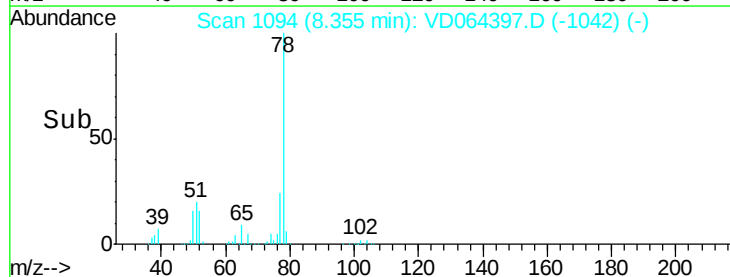
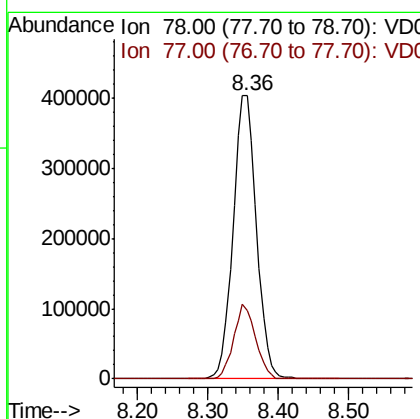
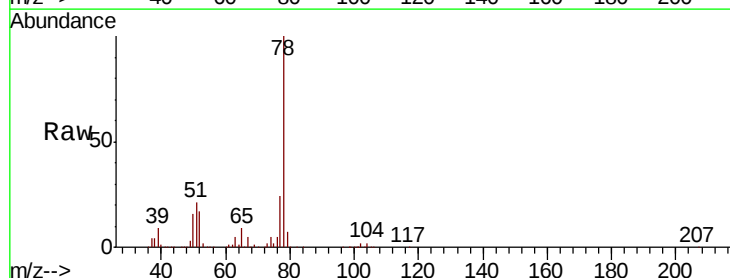
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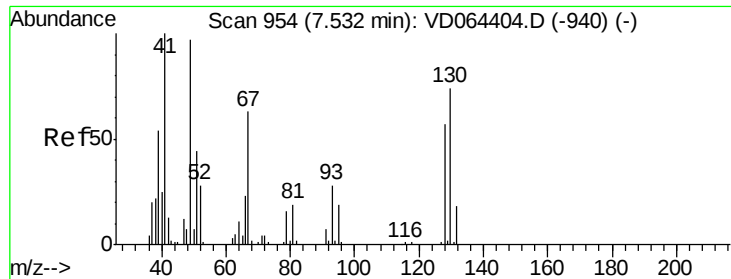
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#40
Benzene
Concen: 49.233 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.6	29.4





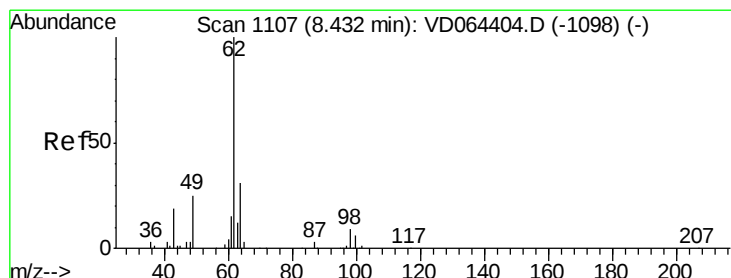
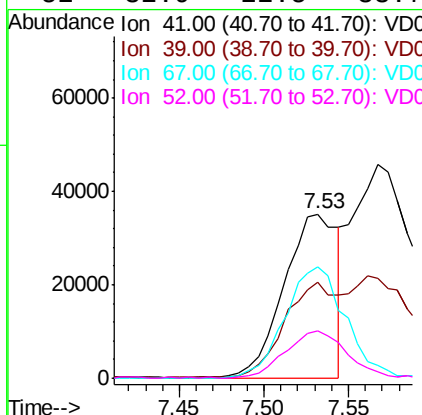
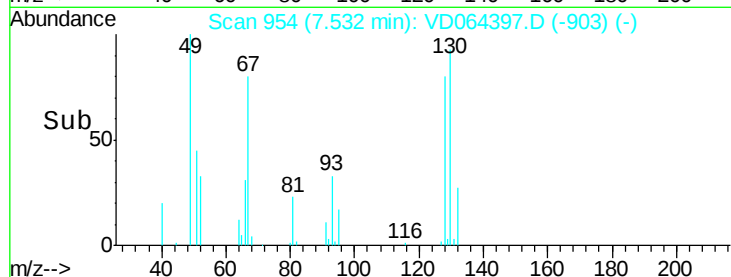
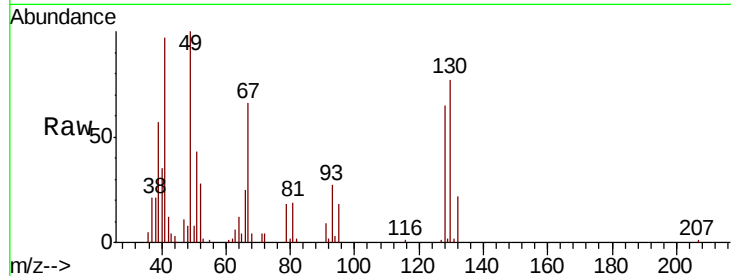
#41
Methacrylonitrile
Concen: 47.408 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	76.7	50.9	76.3
52	32.9	22.5	33.7

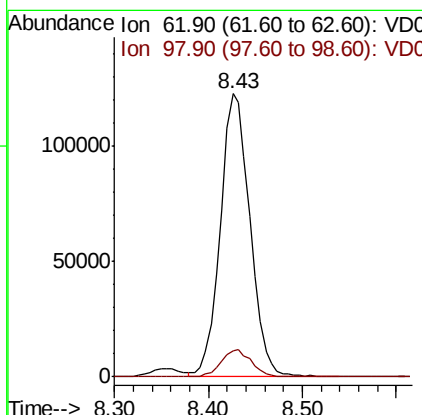
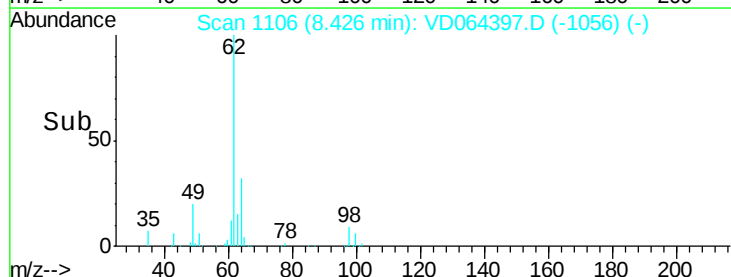
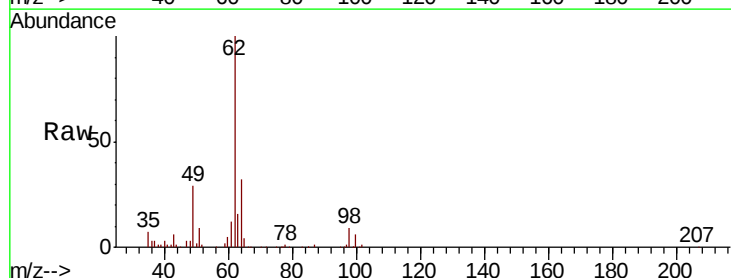
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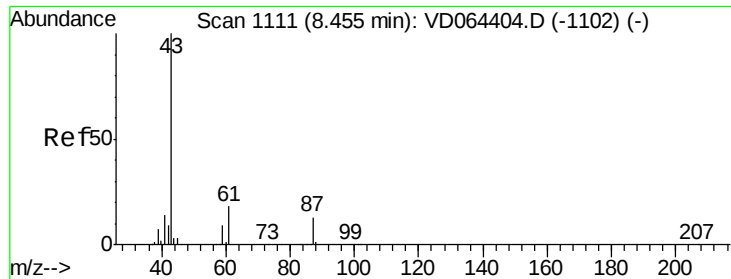
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#42
1,2-Dichloroethane
Concen: 49.227 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





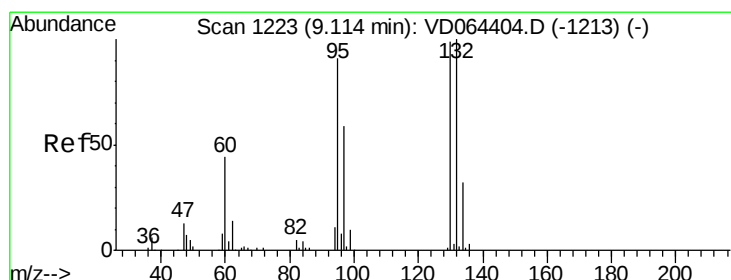
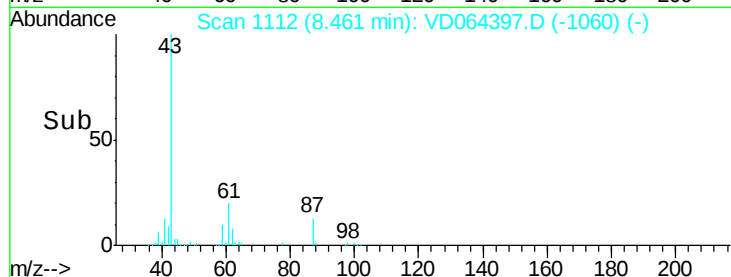
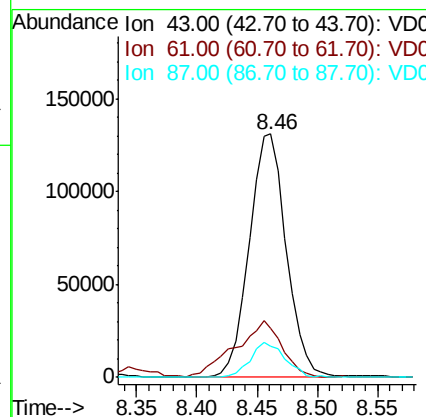
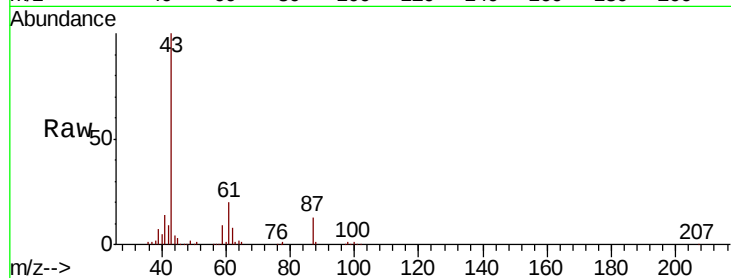
#43
Isopropyl Acetate
Concen: 49.767 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	24.0	36.0
87	13.5	10.6	15.8

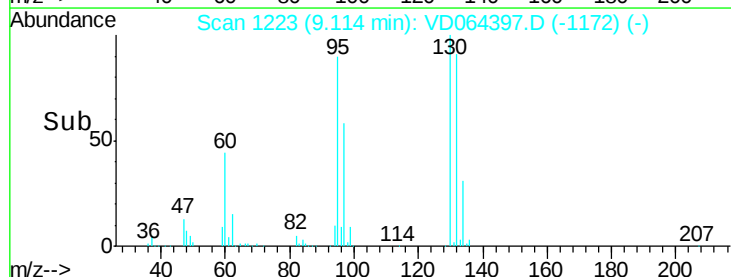
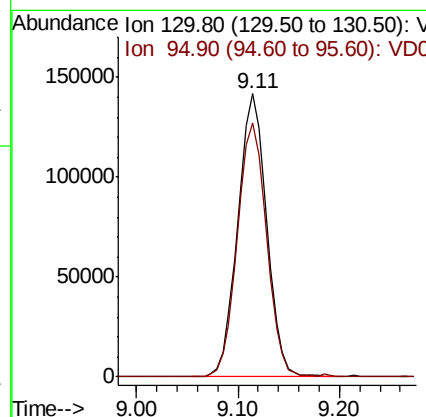
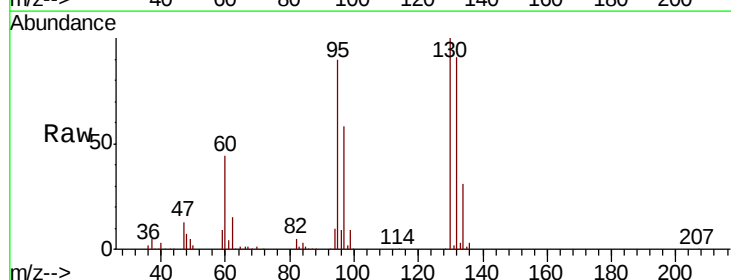
Manual Integrations
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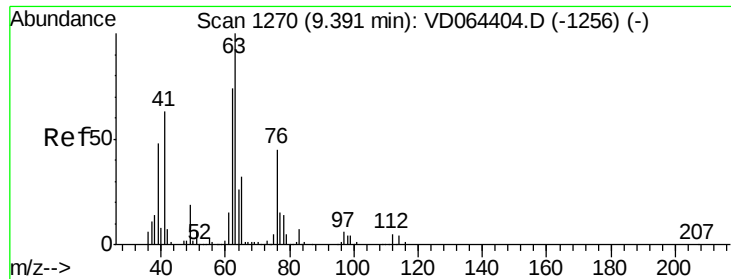
apatel
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#44
Trichloroethene
Concen: 49.654 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.9	0.0	184.6





#45

1,2-Dichloropropane

Concen: 49.812 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 223602

Ion Ratio Lower Upper

63 100

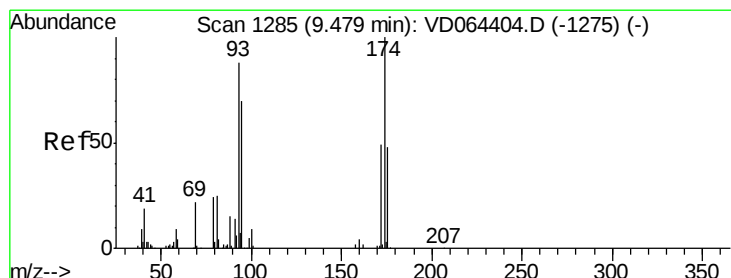
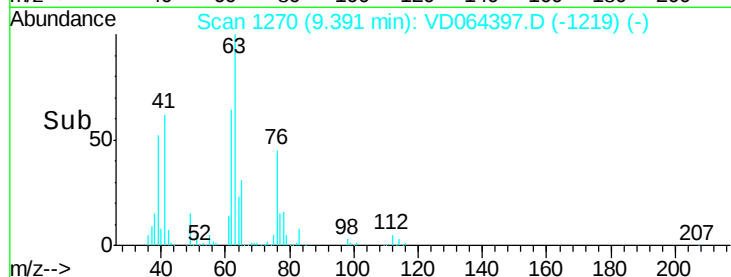
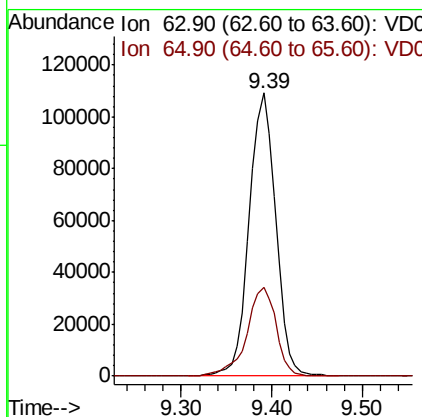
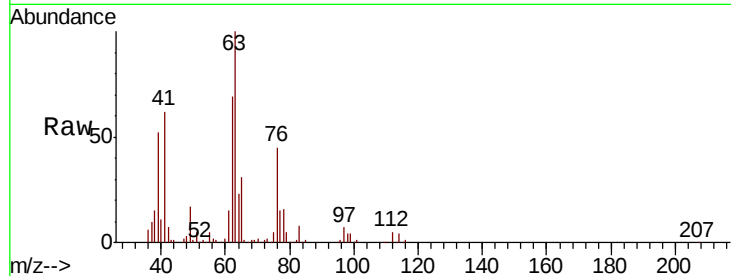
65 31.3 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 49.101 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

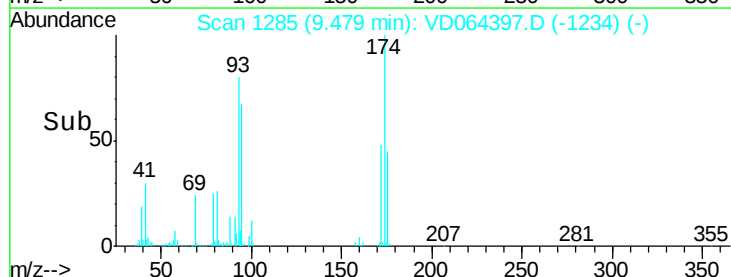
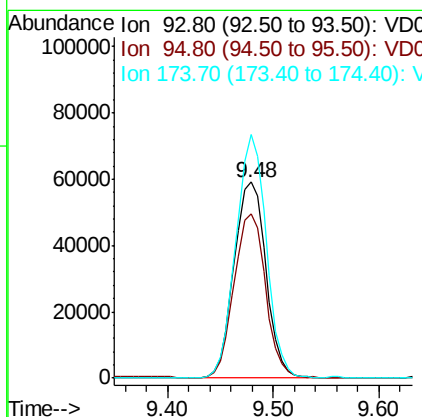
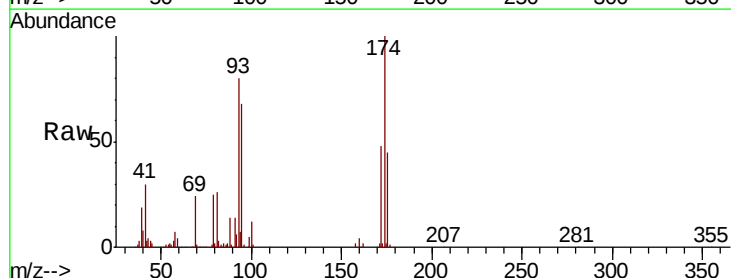
Tgt Ion: 93 Resp: 124399

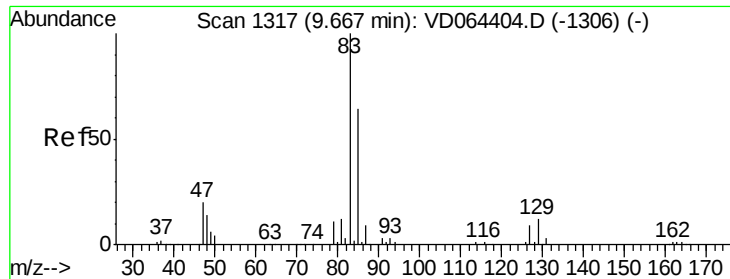
Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

174 118.0 92.3 138.5





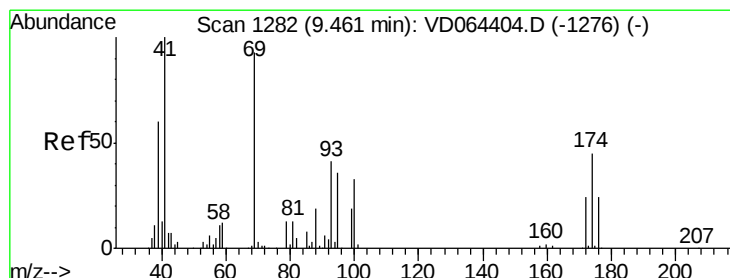
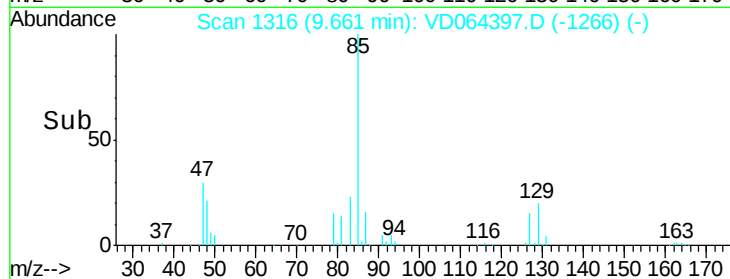
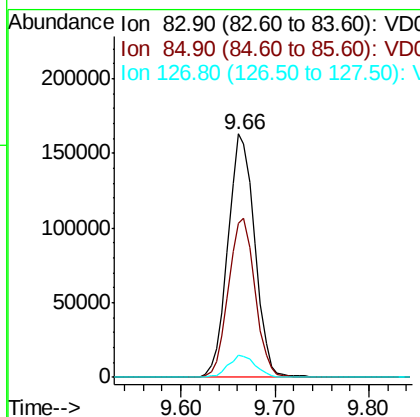
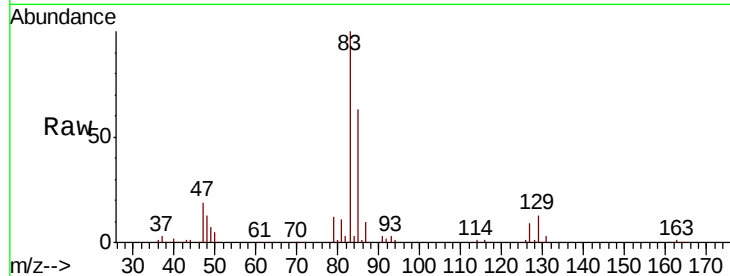
#47
Bromodichloromethane
Concen: 49.602 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	9.2	7.4	11.0

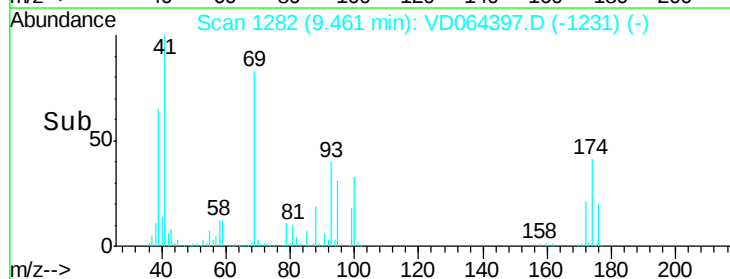
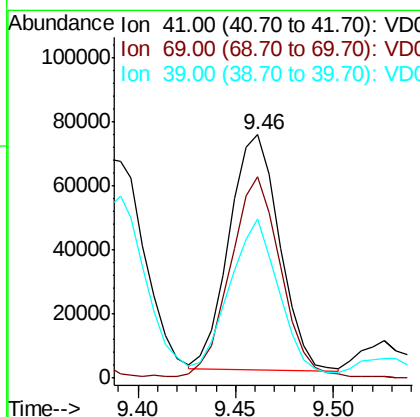
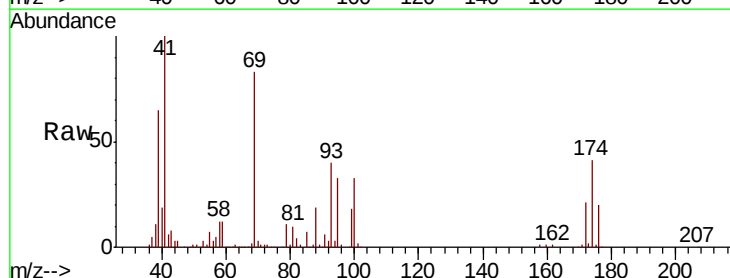
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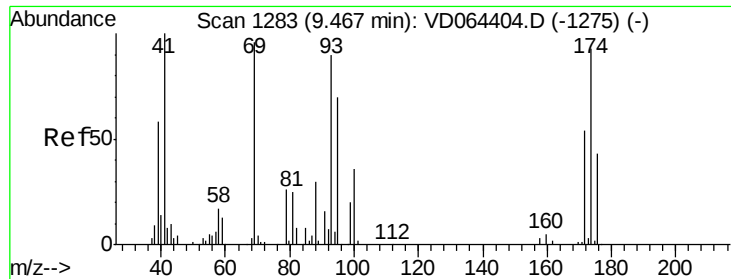
apatel
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#48
Methyl methacrylate
Concen: 50.641 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.0	72.0	108.0
39	62.7	55.2	82.8





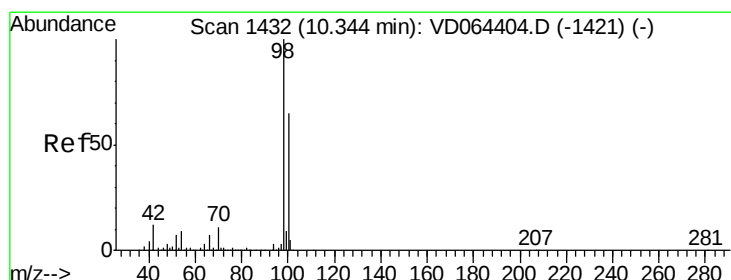
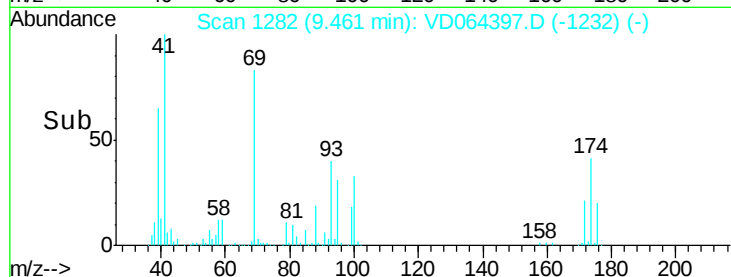
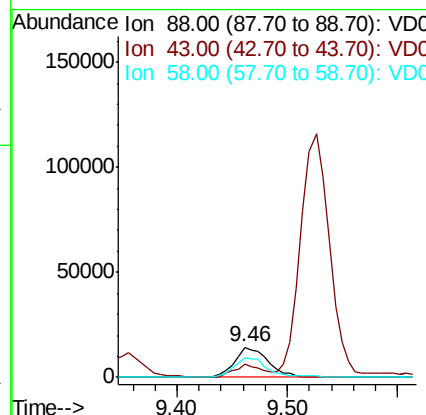
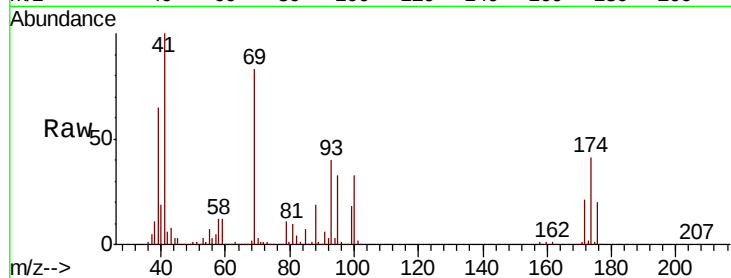
#49
1,4-Dioxane
Concen: 973.227 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	30448
Ion Ratio	Lower	Upper	
88	100		
43	36.6	26.7	40.1
58	66.5	52.3	78.5

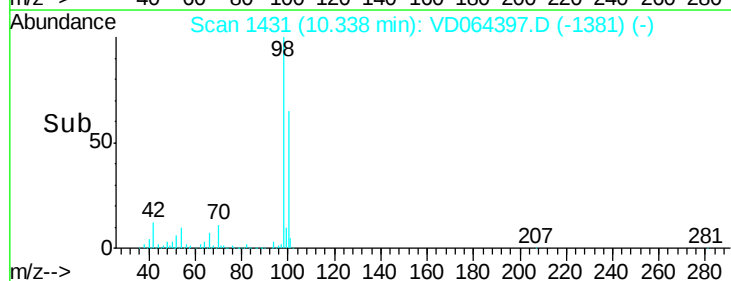
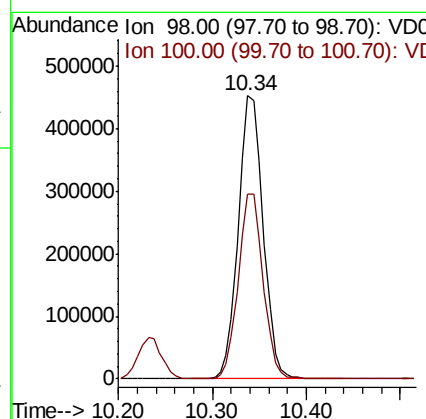
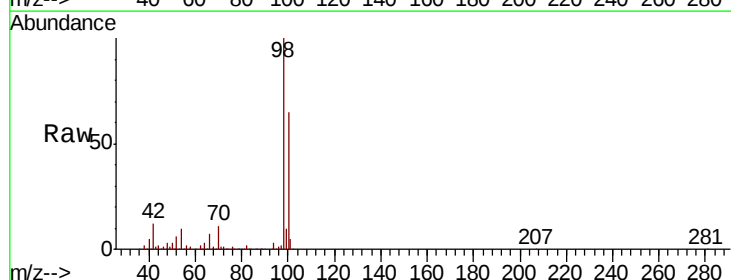
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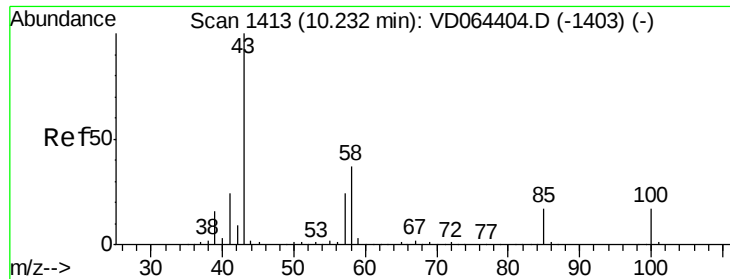
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#50
Toluene-d8
Concen: 49.031 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	98	Resp	831412
Ion Ratio	Lower	Upper	
98	100		
100	65.2	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 249.242 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleID :

VSTDICCC050

Tot Ion: 43 Resp: 695312

Ion Ratio Lower Upper

43 100

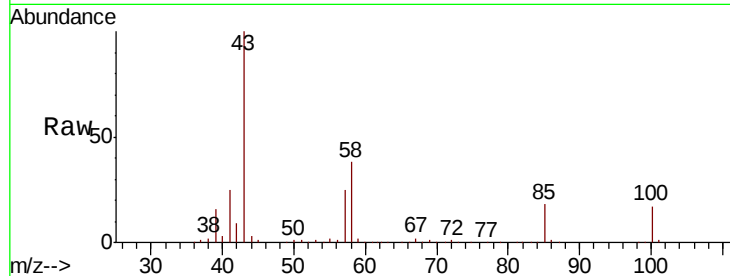
58 38.2 30.6 46.0

Manual Integrations

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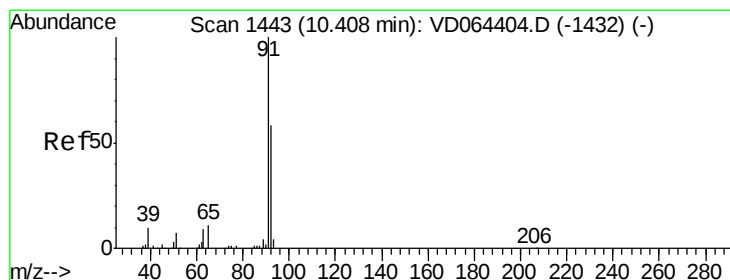
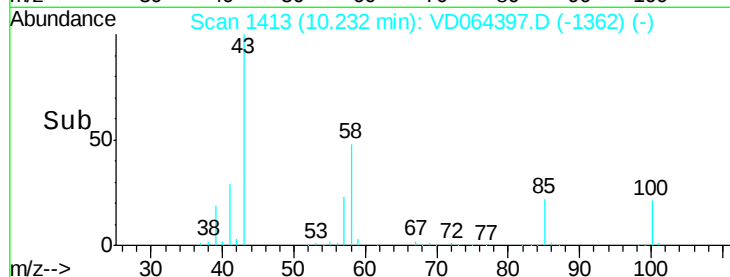
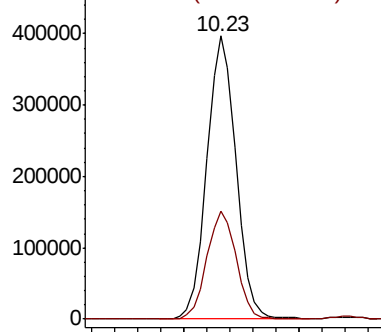
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 48.867 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064397.D

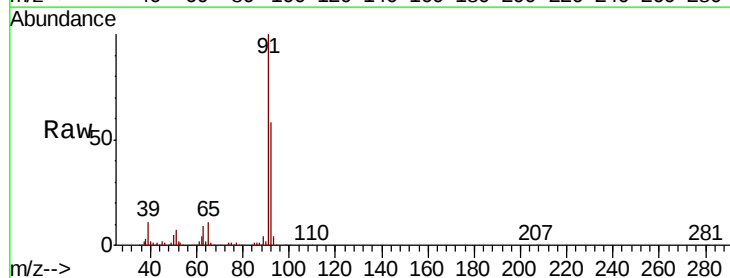
Acq: 27 Nov 2019 15:35

Tgt Ion: 92 Resp: 597760

Ion Ratio Lower Upper

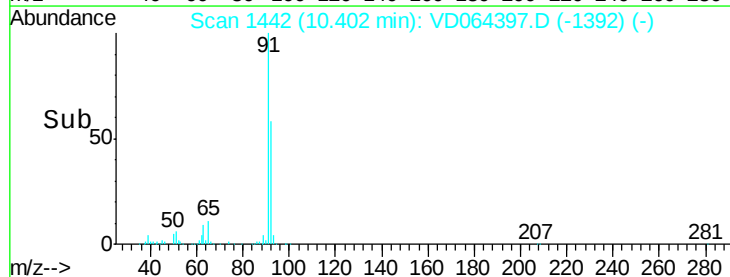
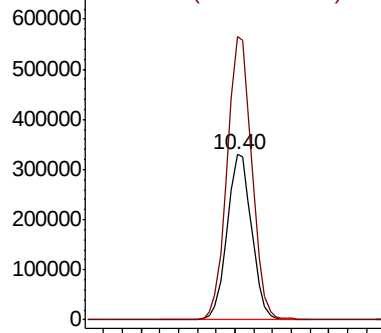
92 100

91 172.5 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





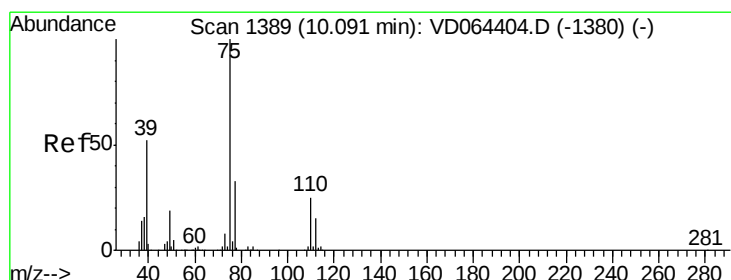
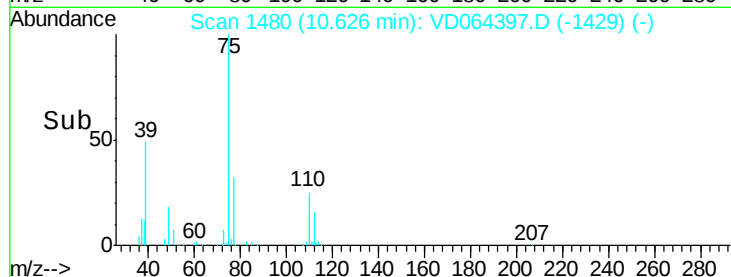
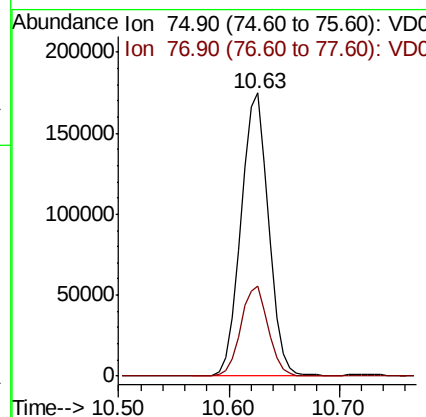
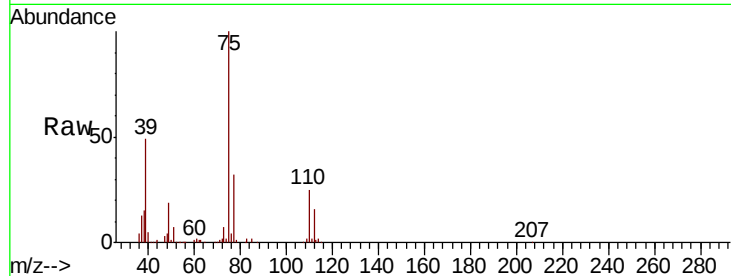
#53
 t-1,3-Dichloropropene
 Concen: 49.769 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 308774
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.0 37.4

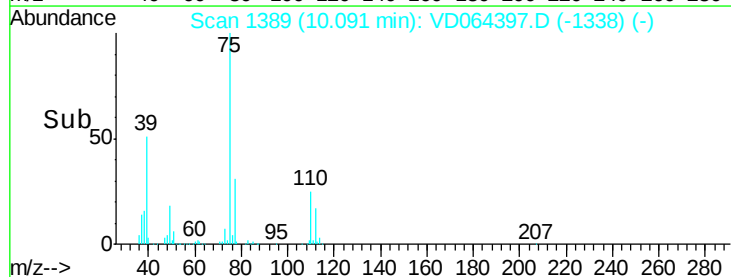
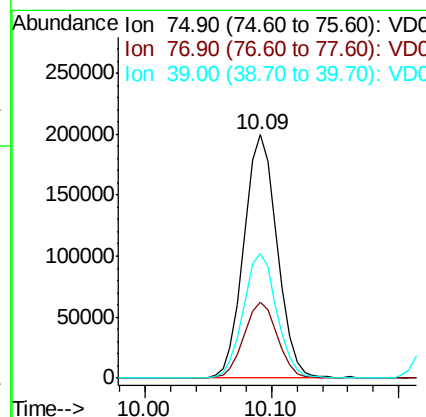
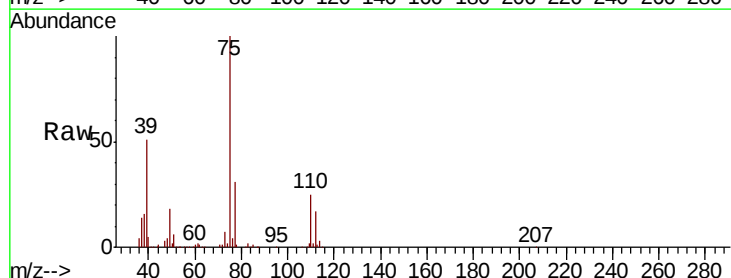
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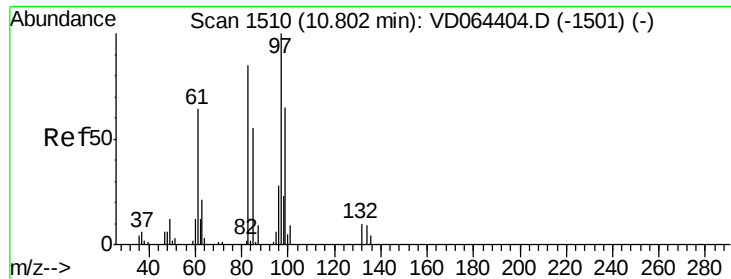
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#54
 cis-1,3-Dichloropropene
 Concen: 49.362 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion: 75 Resp: 363816
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.1 39.1
 39 50.9 41.5 62.3





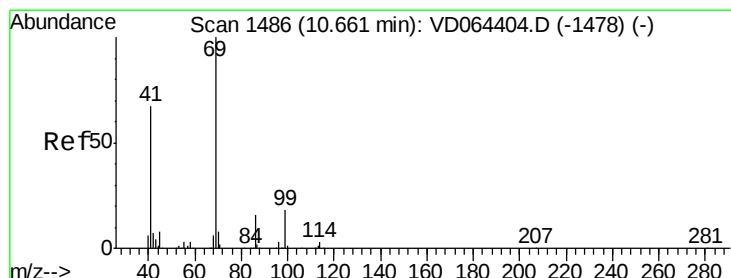
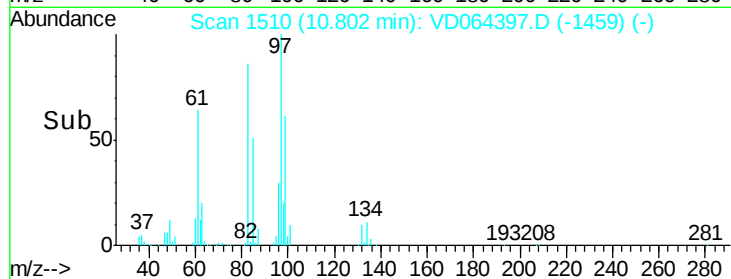
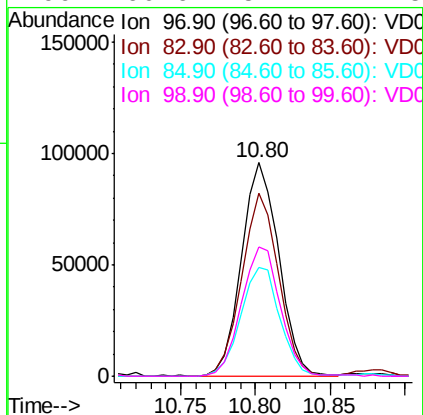
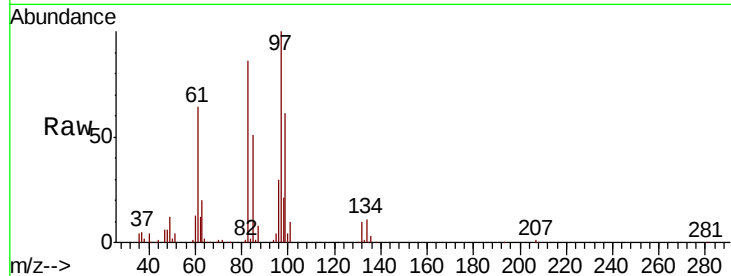
#55
 1,1,2-Trichloroethane
 Concen: 47.958 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.8	101.8
85	51.1	43.7	65.5
99	60.6	51.7	77.5

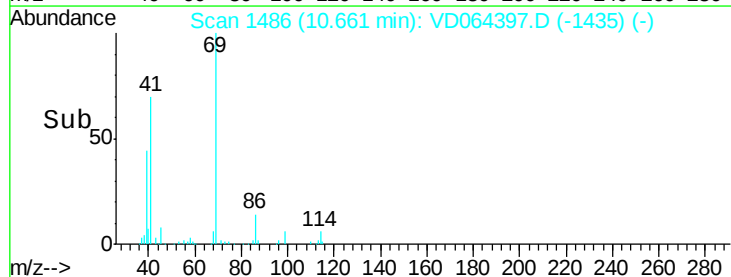
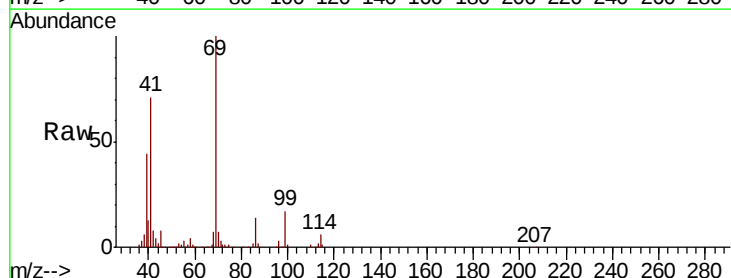
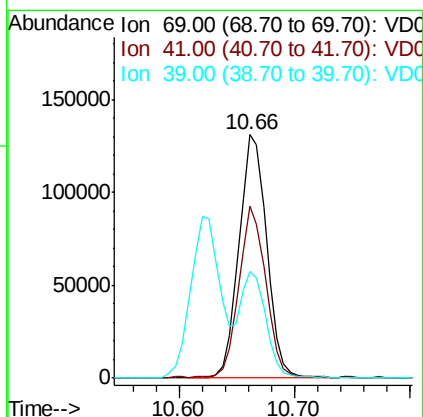
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#56
 Ethyl methacrylate
 Concen: 49.613 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.0	82.4
39	41.7	33.0	49.6





#57

1,3-Dichloropropane

Concen: 49.503 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 292335

Ion Ratio Lower Upper

76 100

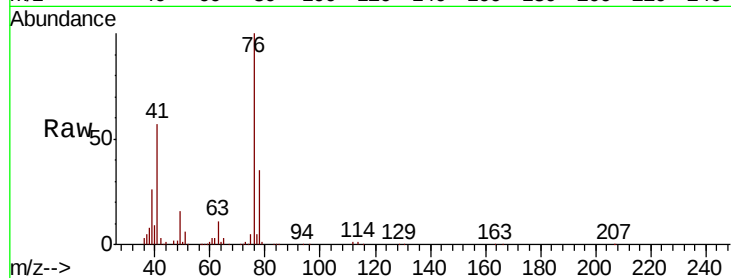
78 33.0 26.0 39.0

Manual Integrations

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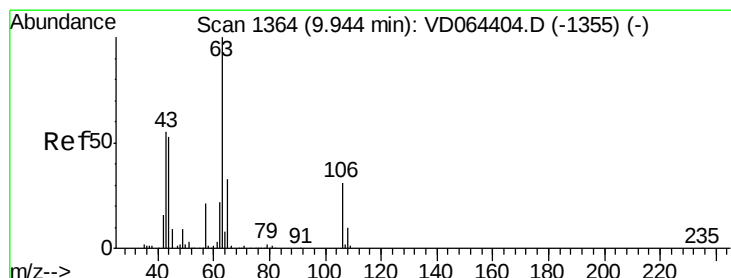
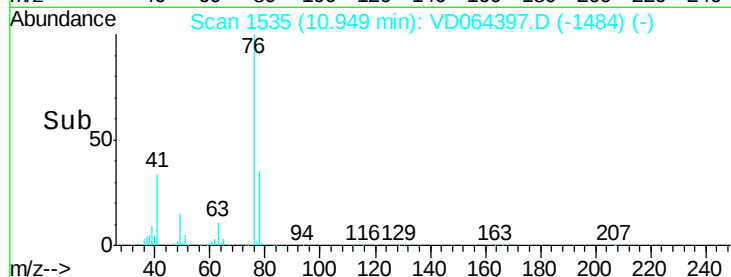
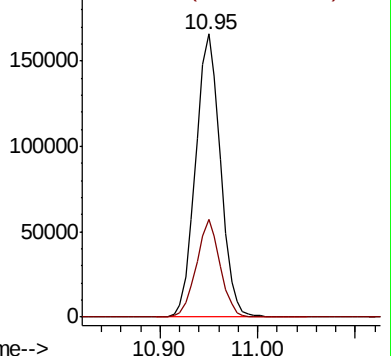
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 230.301 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064397.D

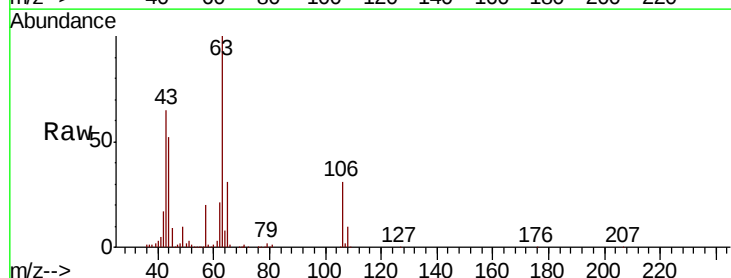
Acq: 27 Nov 2019 15:35

Tgt Ion: 63 Resp: 406217

Ion Ratio Lower Upper

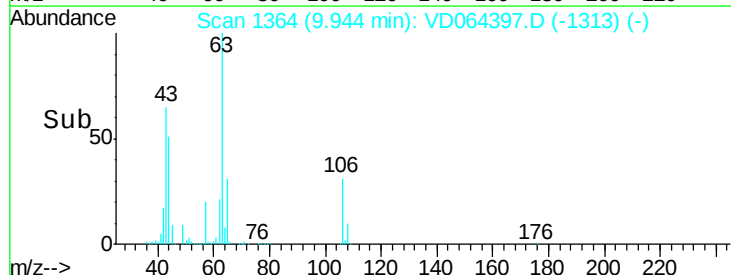
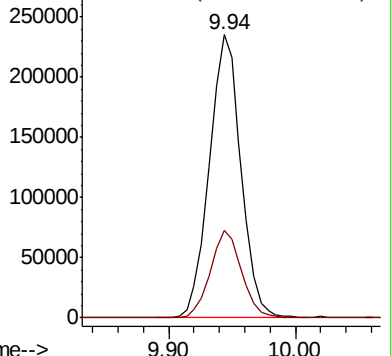
63 100

106 30.5 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





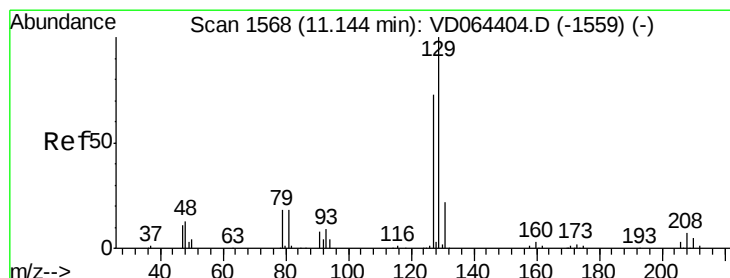
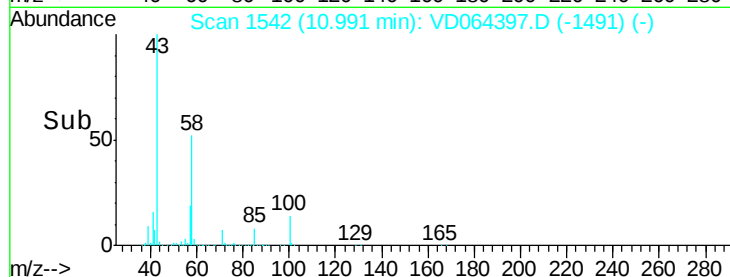
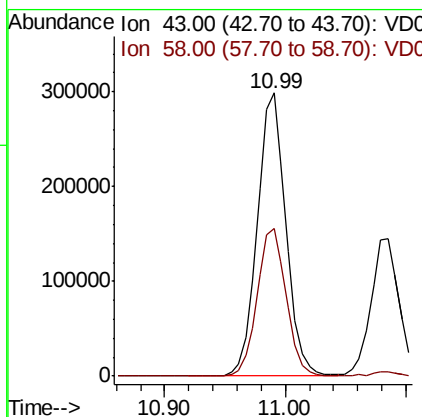
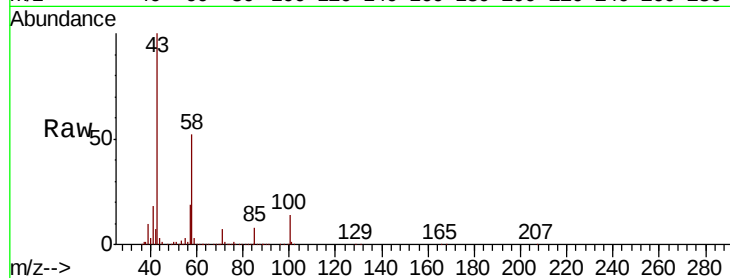
#59
2-Hexanone
Concen: 254.707 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 493049
Ion Ratio Lower Upper
43 100
58 53.0 26.3 78.8

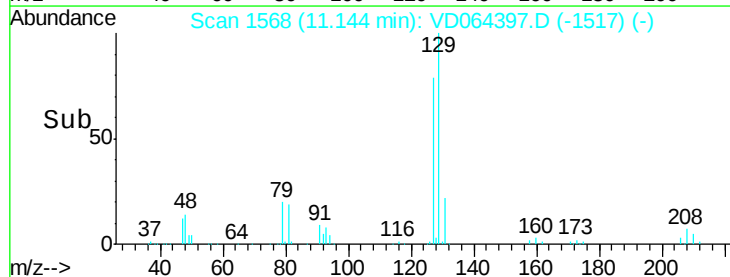
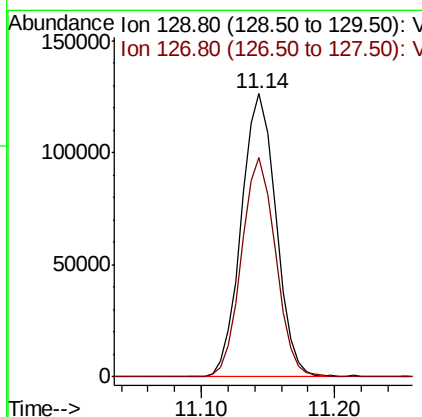
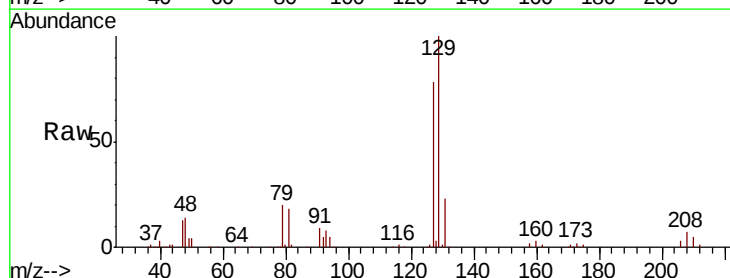
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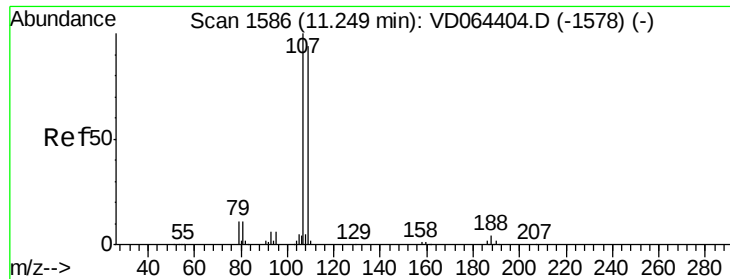
apatel
12/2/2019 10:56:17 AM



#60
Dibromochloromethane
Concen: 48.287 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion: 129 Resp: 227126
Ion Ratio Lower Upper
129 100
127 76.1 38.1 114.3





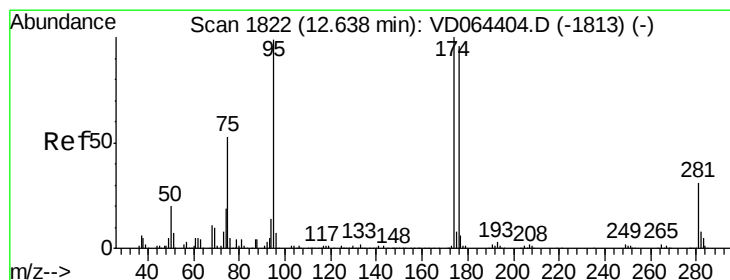
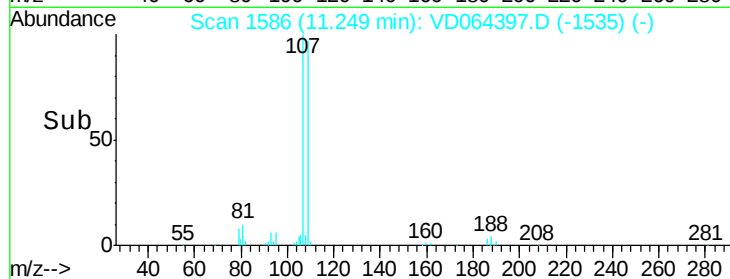
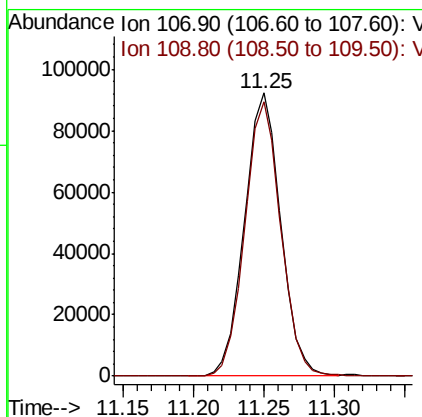
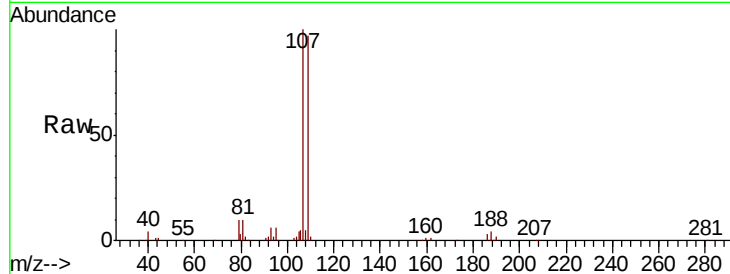
#61
 1,2-Dibromoethane
 Concen: 47.855 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.5	76.2	114.2

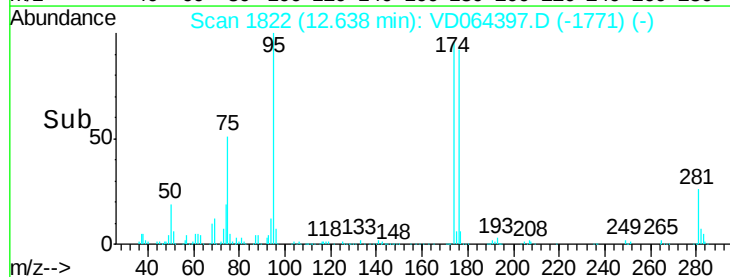
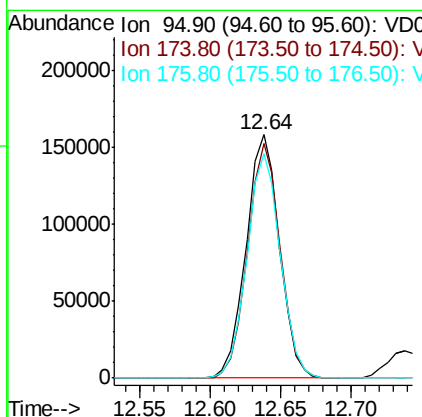
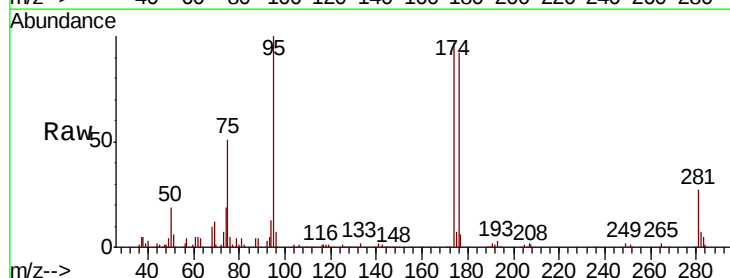
Manual Integrations
 APPROVED

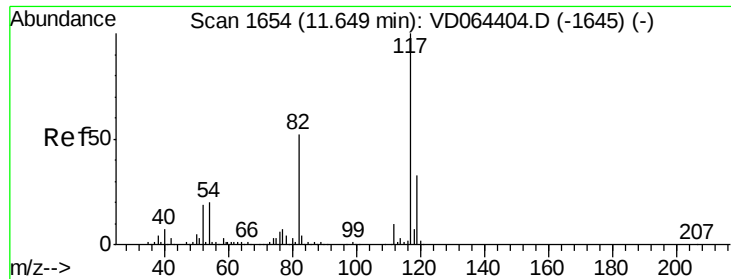
apatel
 12/2/2019 10:56:17 AM



#62
 4-Bromofluorobenzene
 Concen: 48.137 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.7	0.0	197.2
176	92.5	0.0	189.6





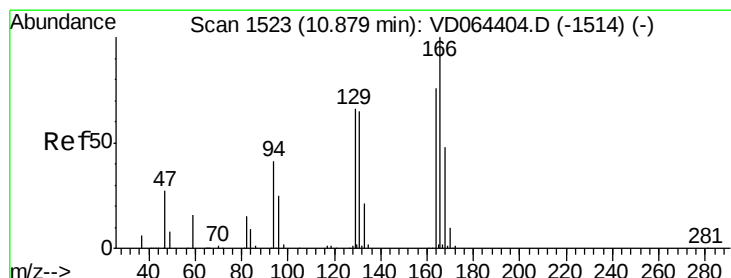
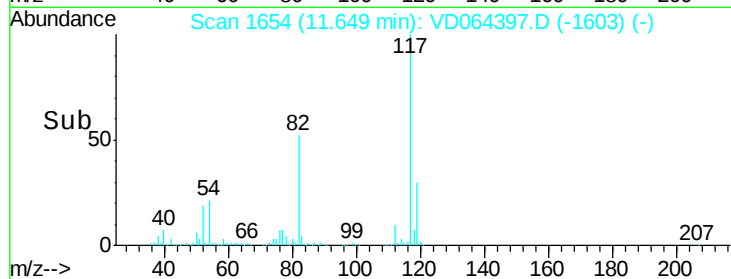
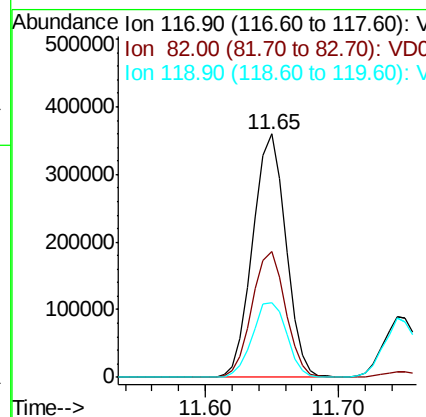
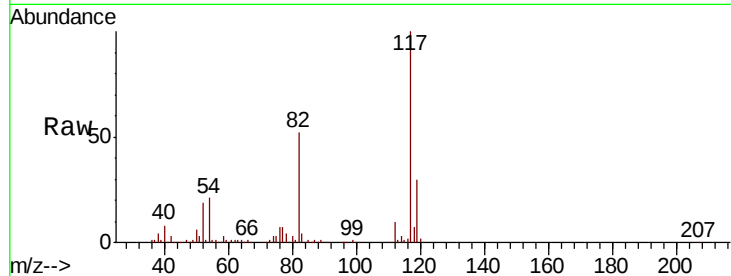
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.4	62.2
119	30.4	26.2	39.2

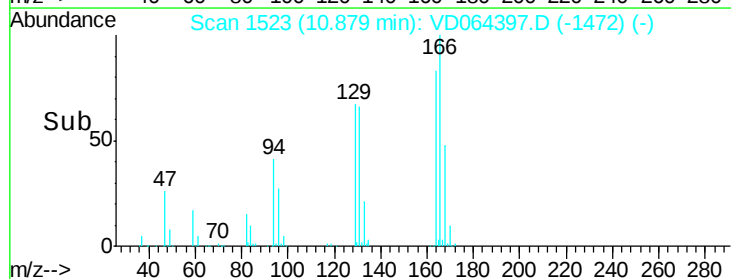
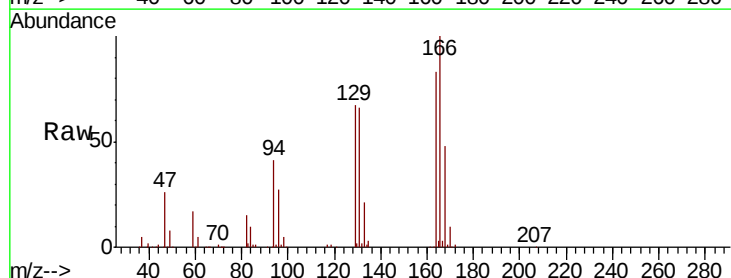
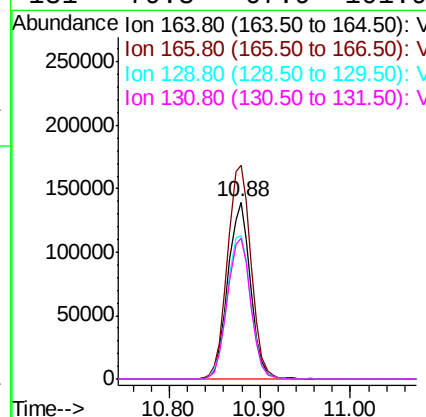
Manual Integrations
APPROVED

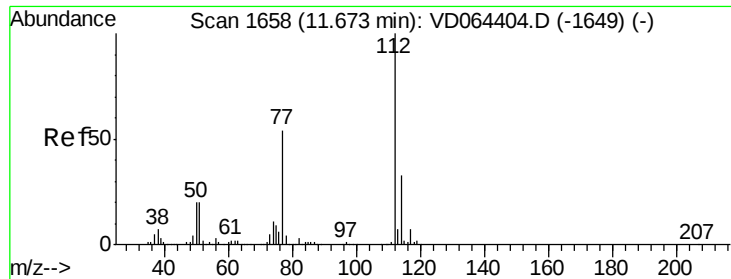
apatel
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#64
Tetrachloroethene
Concen: 51.037 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.8	104.8	157.2
129	81.3	68.7	103.1
131	79.8	67.9	101.9





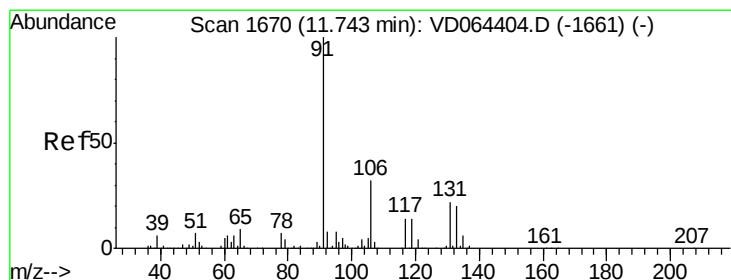
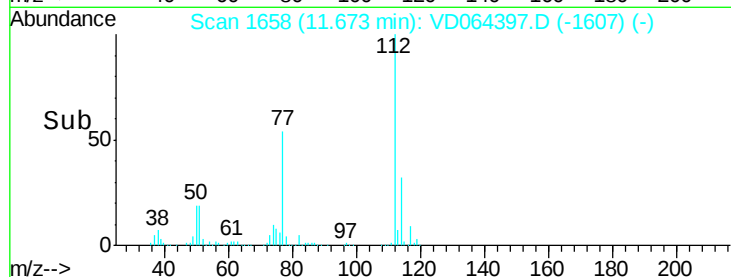
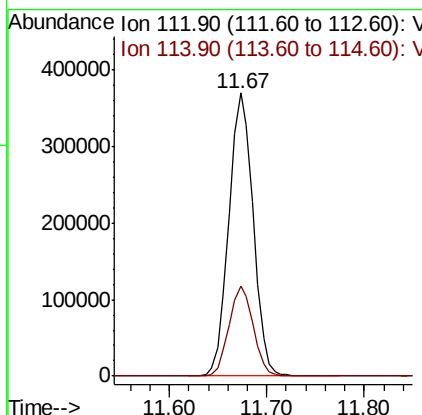
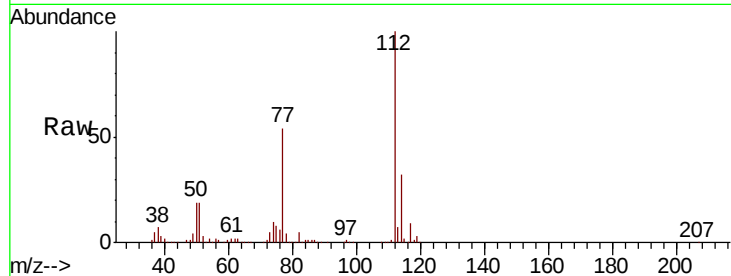
#65
Chlorobenzene
Concen: 49.536 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.5	39.7

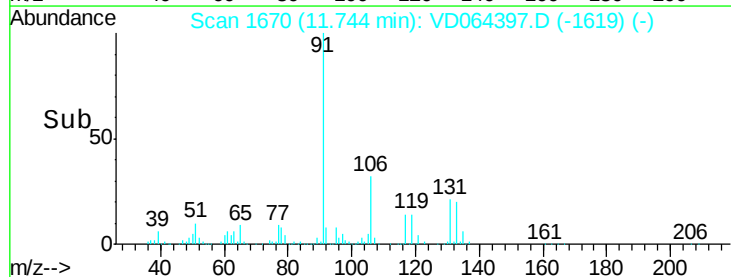
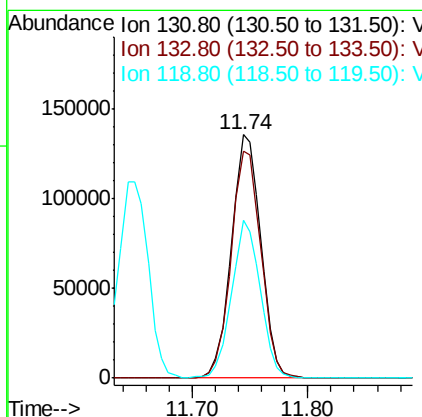
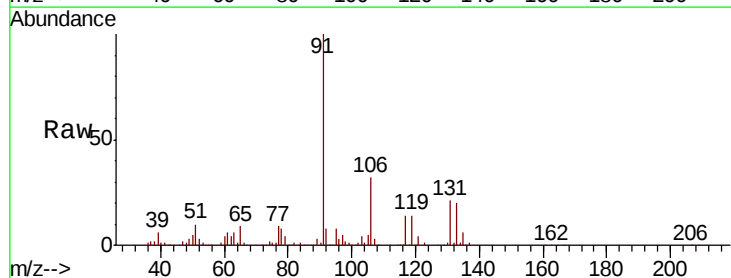
Manual Integrations
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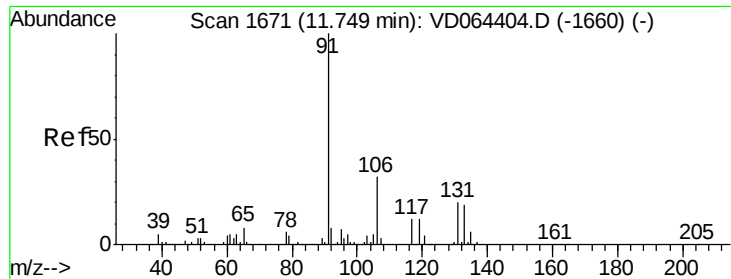
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.121 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	48.3	144.9
119	63.2	31.9	95.9





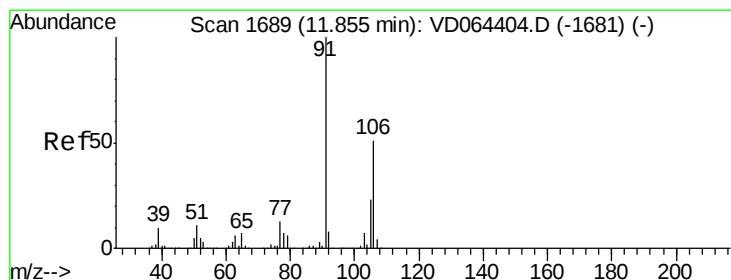
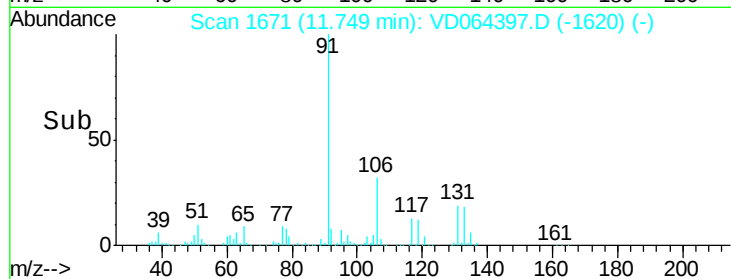
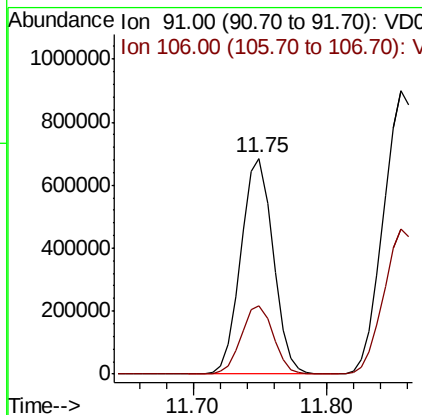
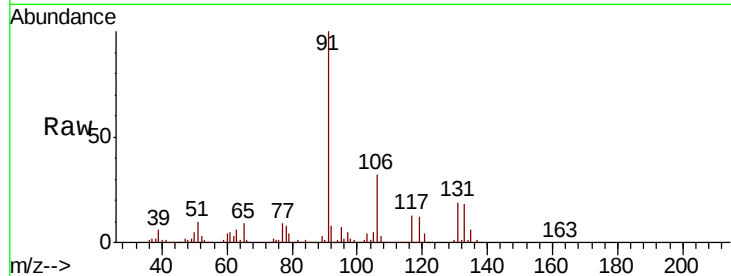
#67
Ethyl Benzene
Concen: 49.853 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1143924
Ion Ratio Lower Upper
91 100
106 31.9 25.8 38.8

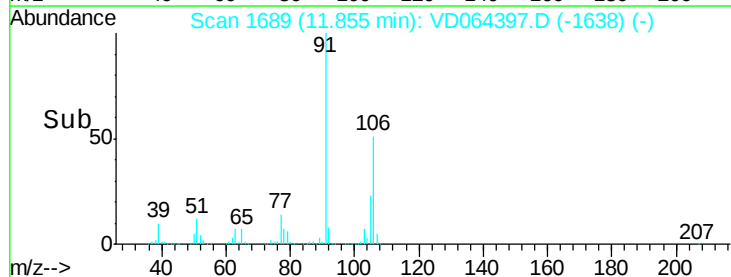
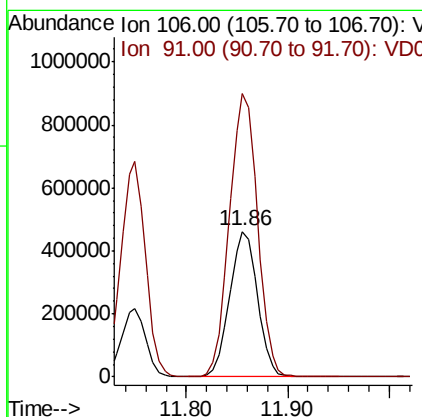
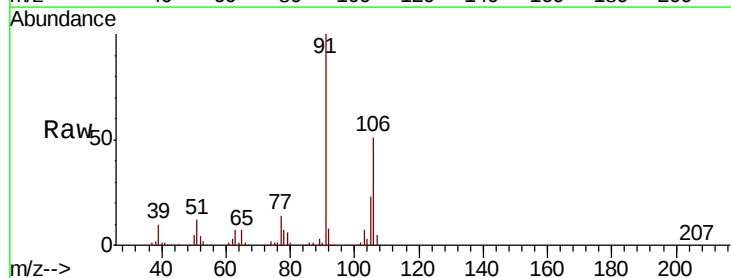
Manual Integrations
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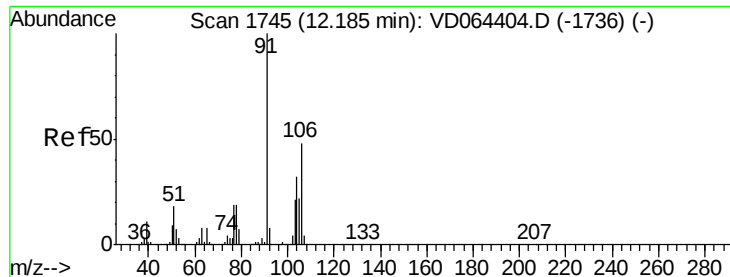
apatel
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#68
m/p-Xylenes
Concen: 100.740 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion: 106 Resp: 881378
Ion Ratio Lower Upper
106 100
91 196.5 157.4 236.2





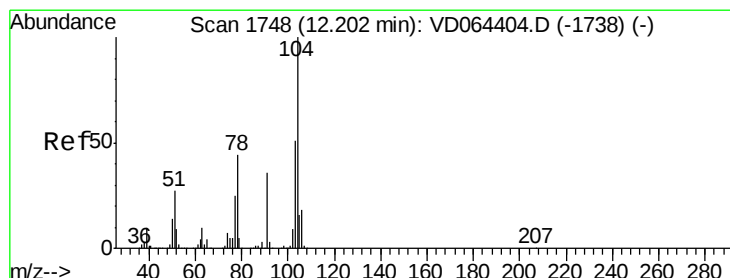
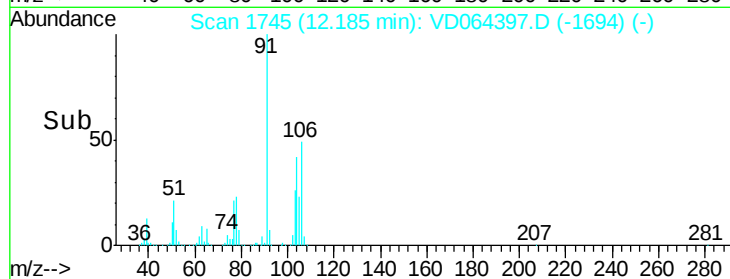
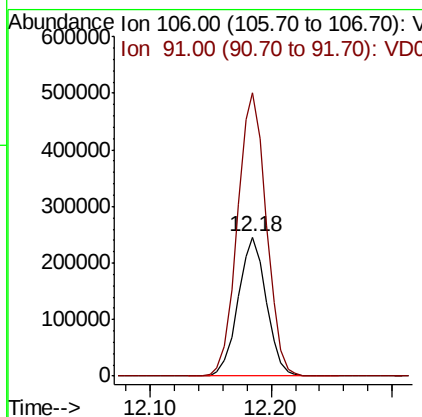
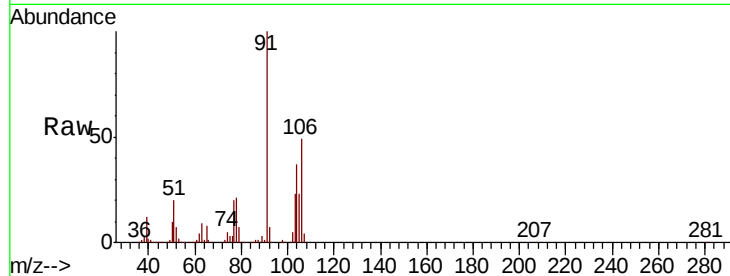
#69
o-Xylene
Concen: 49.770 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		402154		
91	207.6	103.8	311.4		

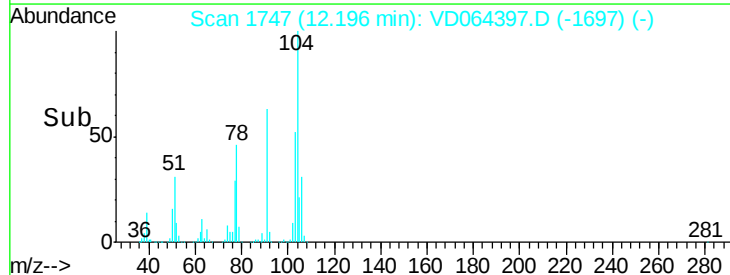
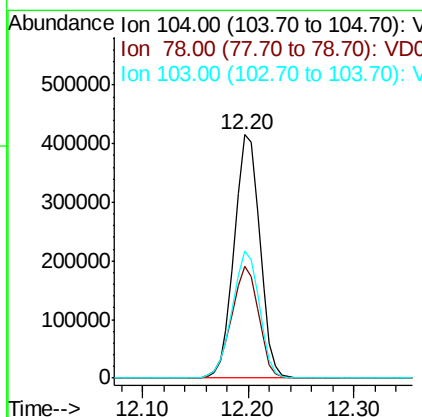
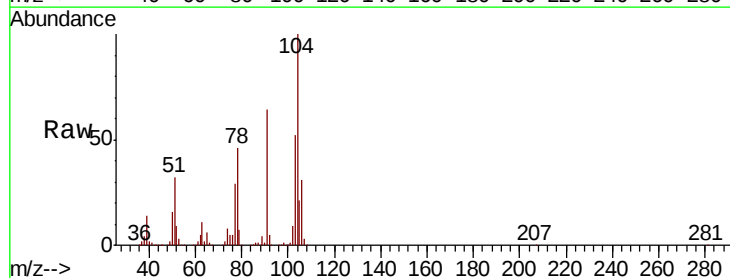
Manual Integrations
APPROVED

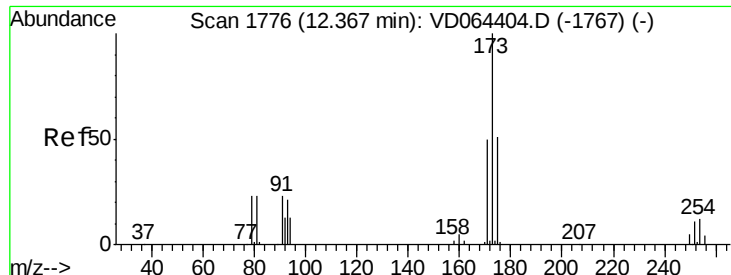
apatel
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#70
Styrene
Concen: 49.579 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		696163		
78	48.7	38.8	58.2		
103	55.3	44.2	66.4		





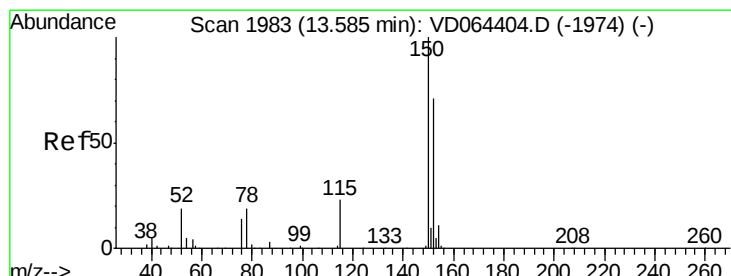
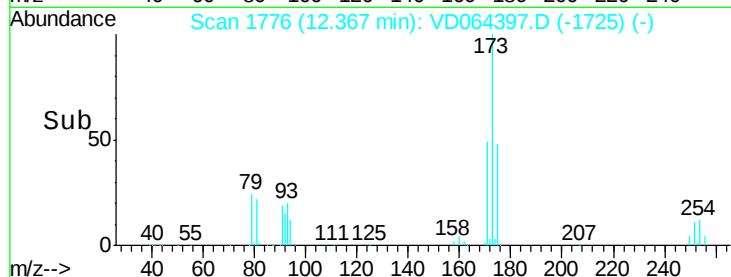
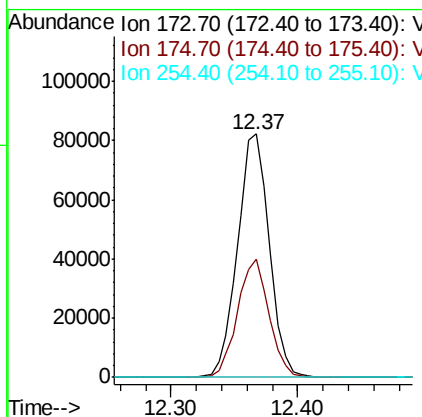
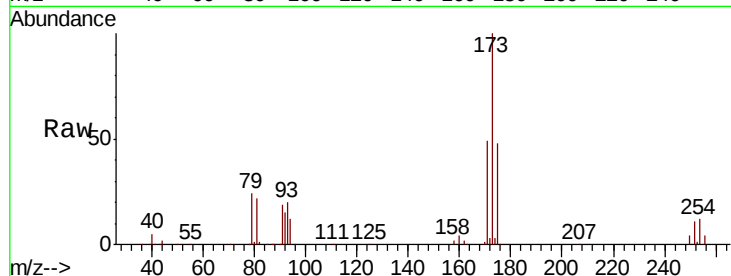
#71
Bromoform
Concen: 49.949 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	25.3	75.8
254	0.0	0.0	0.0

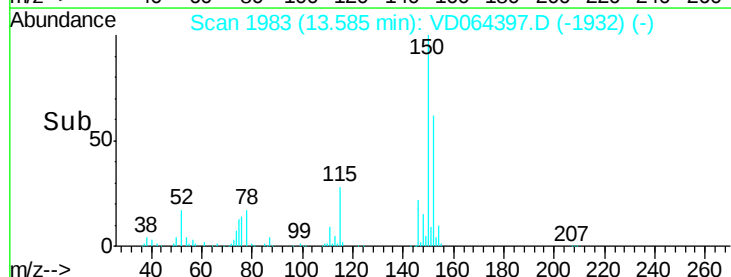
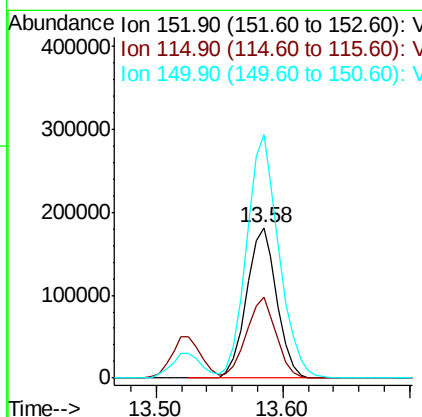
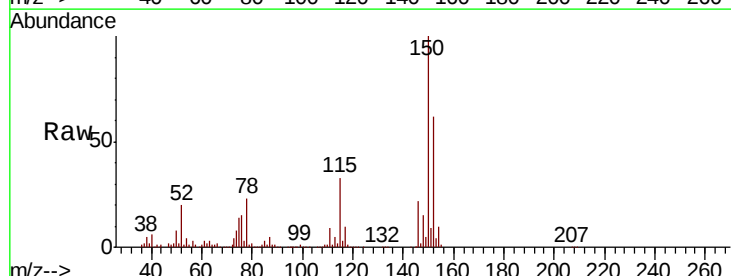
Manual Integrations
APPROVED

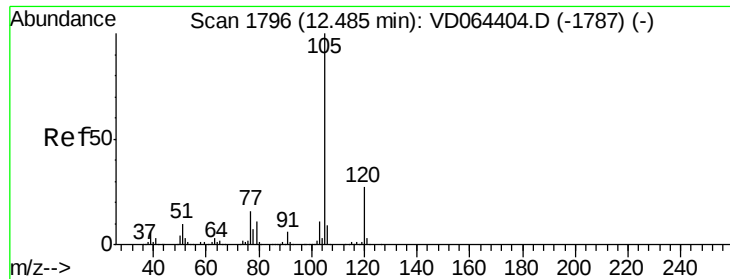
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	26.7	80.1
150	174.0	0.0	347.2





#73

Isopropylbenzene

Concen: 51.497 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1105426

Ion Ratio Lower Upper

105 100

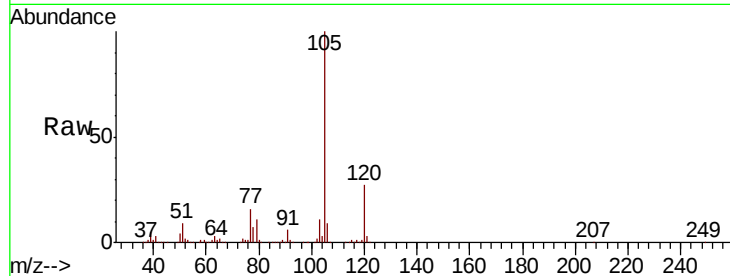
120 27.2 13.4 40.2

Manual Integrations

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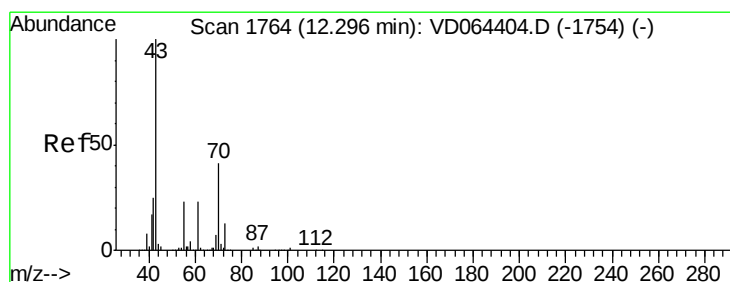
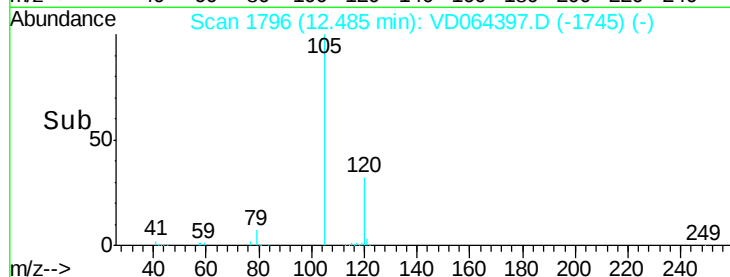
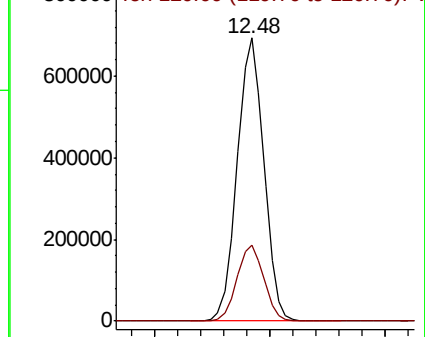
apatel

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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: 52.093 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Tgt Ion: 43 Resp: 253795

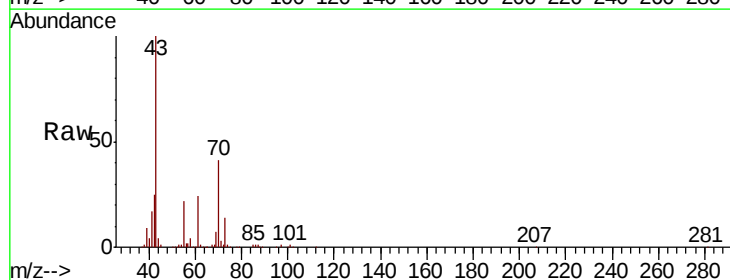
Ion Ratio Lower Upper

43 100

70 40.9 33.4 50.2

55 22.6 18.9 28.3

61 23.6 18.5 27.7

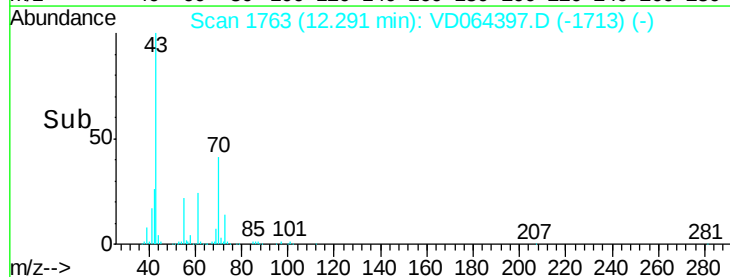
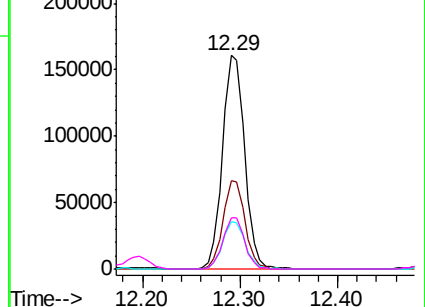


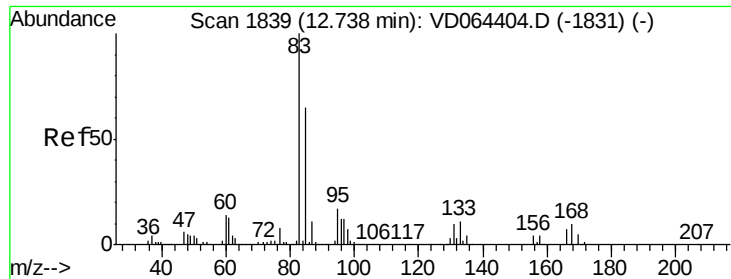
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 50.155 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 178038

Ion Ratio Lower Upper

83 100

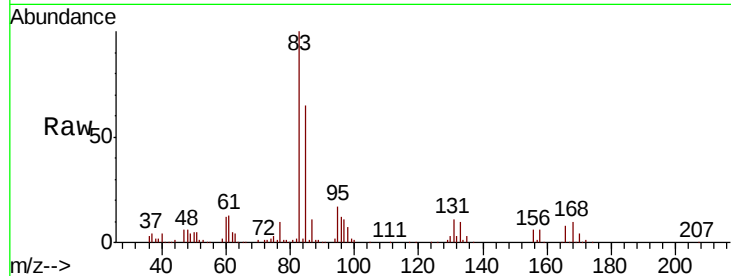
131 11.8 5.7 17.0

85 66.0 31.3 93.9

Manual Integrations
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apatel

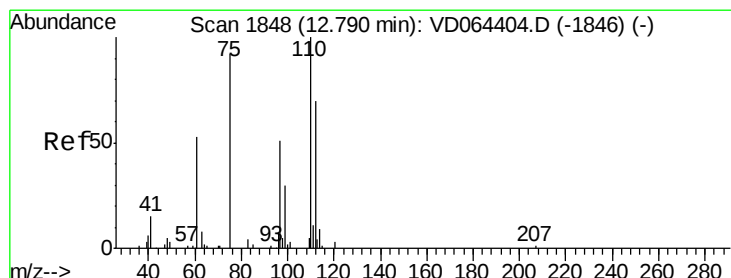
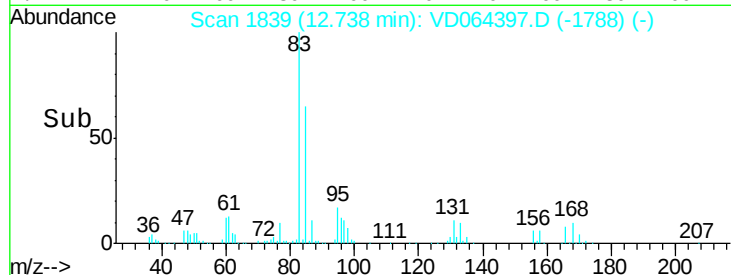
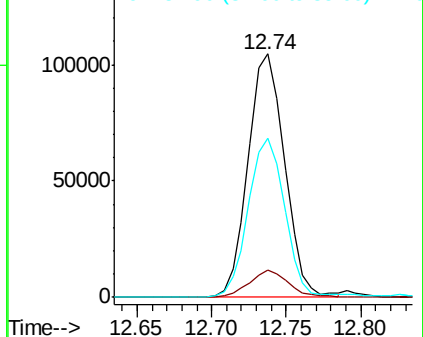
12/2/2019 10:56:17 AM



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 44.173 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064397.D

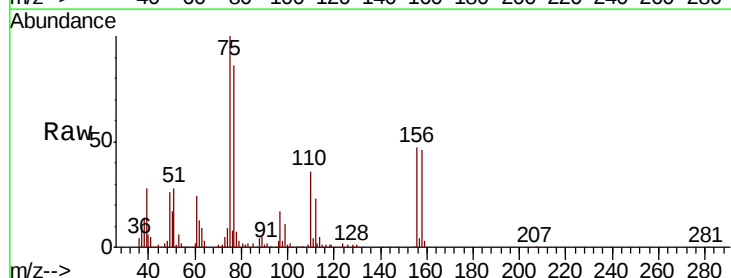
Acq: 27 Nov 2019 15:35

Tgt Ion: 75 Resp: 108422

Ion Ratio Lower Upper

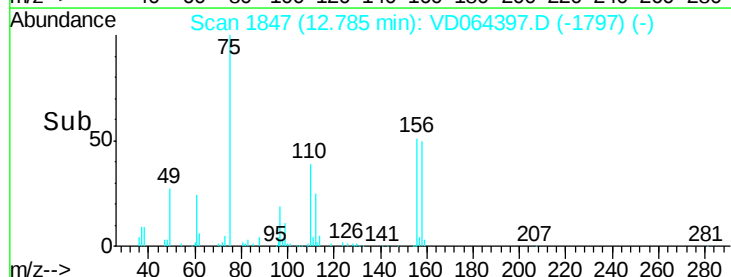
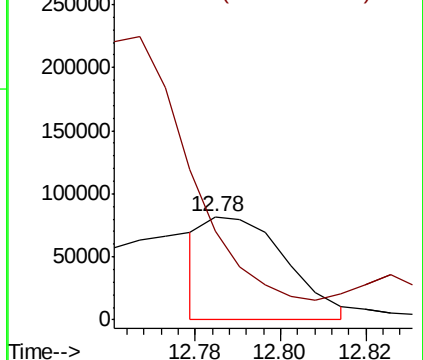
75 100

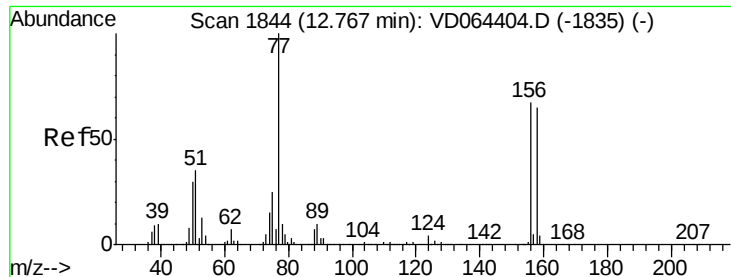
77 395.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.754 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

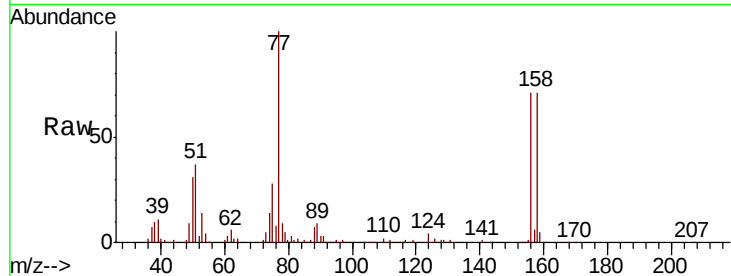
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	269043
Ion Ratio	Lower	Upper	
156	100		
77	159.3	80.0	240.2
158	98.5	48.9	146.6

Manual Integrations
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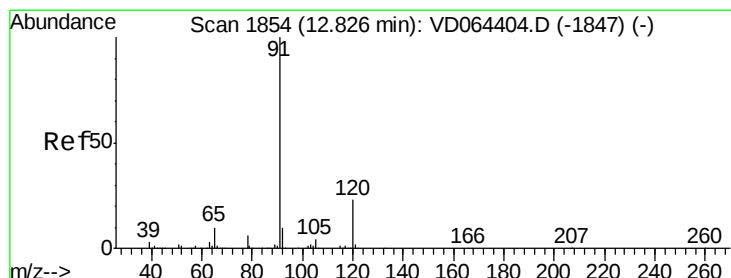
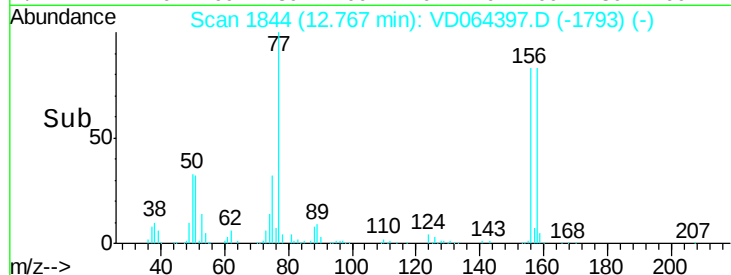
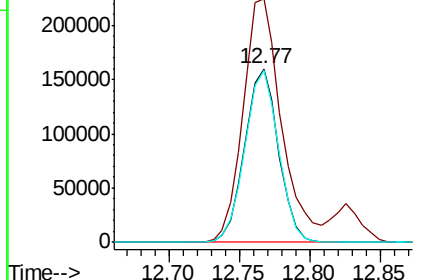
apatel
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.431 ug/l

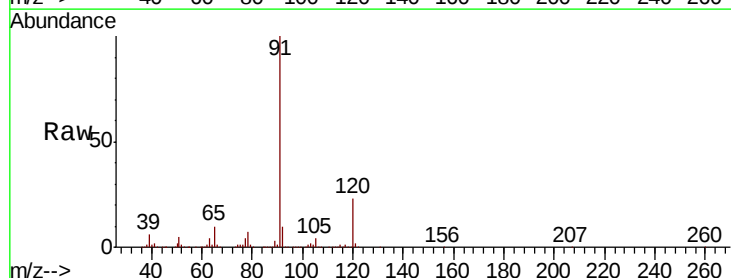
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064397.D

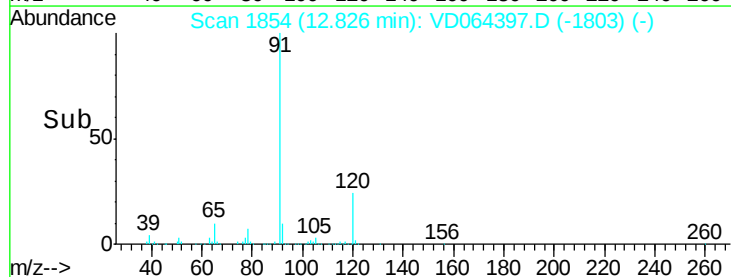
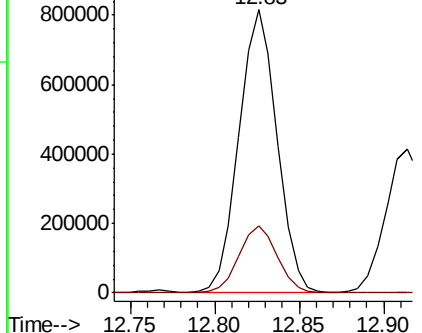
Acq: 27 Nov 2019 15:35

Tgt Ion:	91	Resp:	1273803
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.837 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 692822

Ion Ratio Lower Upper

91 100

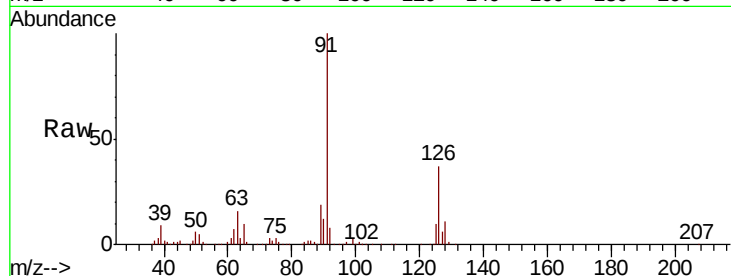
126 36.2 18.0 54.0

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Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064404.D (-1862) (-)

12.91

400000

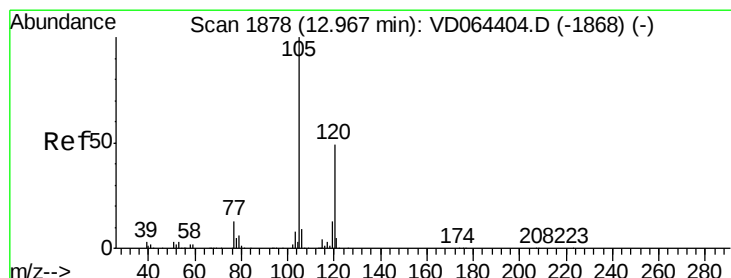
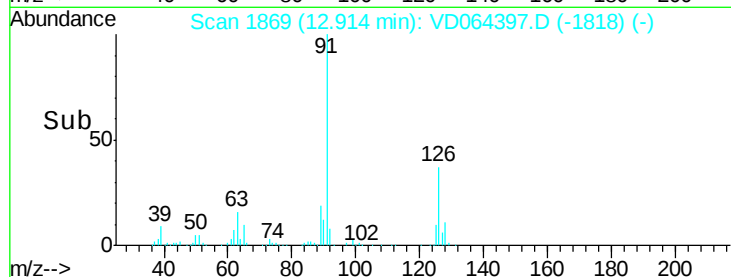
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.584 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064397.D

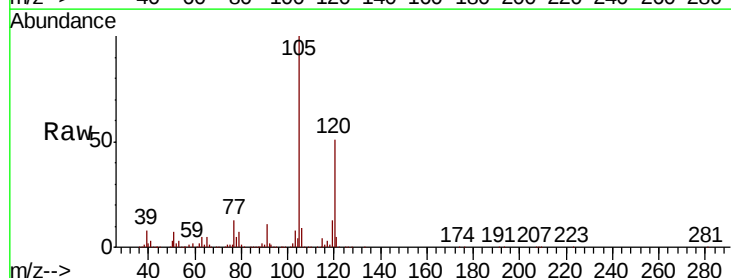
Acq: 27 Nov 2019 15:35

Tgt Ion: 105 Resp: 887326

Ion Ratio Lower Upper

105 100

120 50.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD064404.D (-1868) (-)

12.97

600000

500000

400000

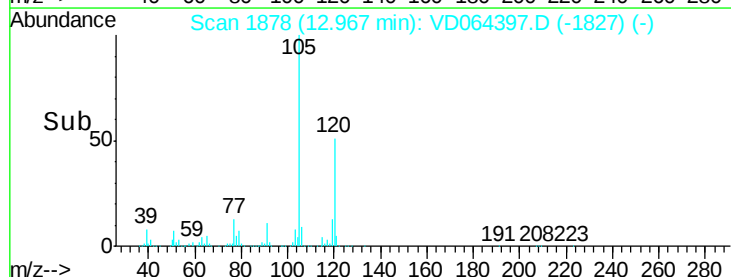
300000

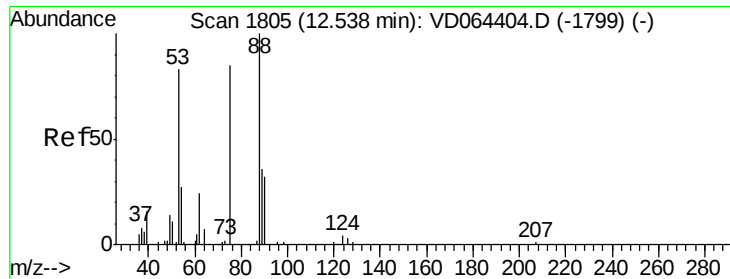
200000

100000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 53.355 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

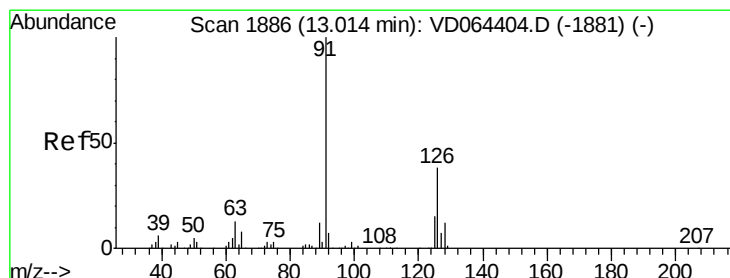
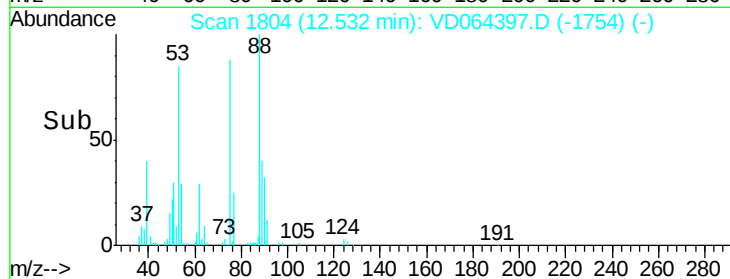
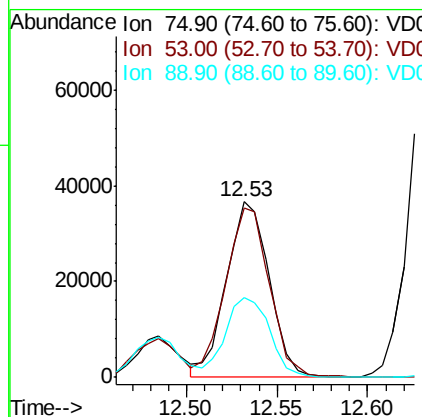
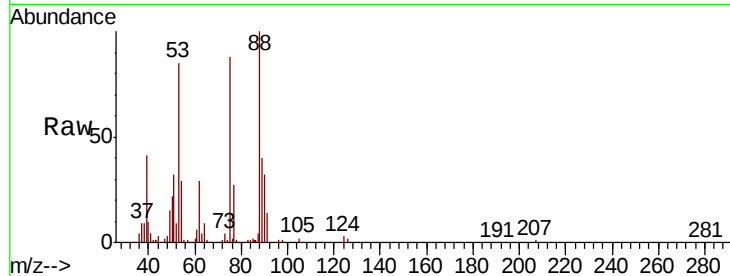
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	60058
Ion	Ratio	Lower	Upper
75	100		
53	98.0	81.0	121.6
89	46.7	38.5	57.7

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#82

4-Chlorotoluene

Concen: 50.157 ug/l

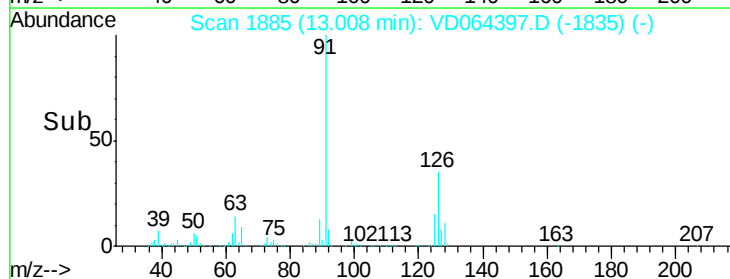
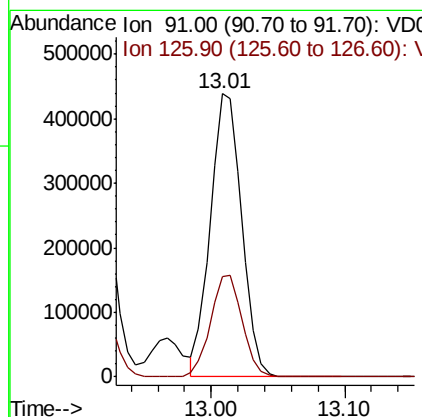
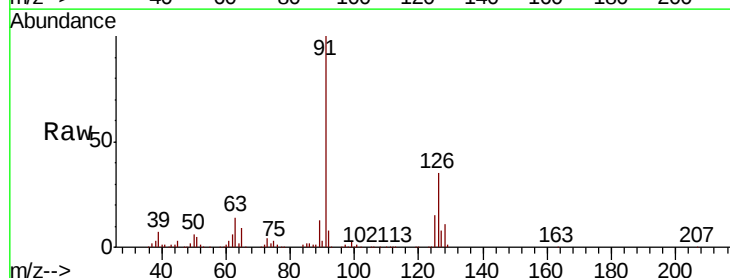
RT: 13.01 min Scan# 1885

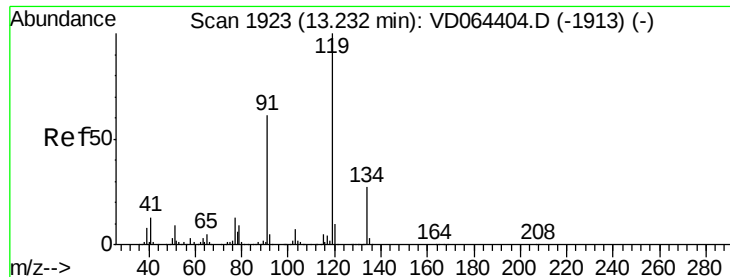
Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Tgt Ion:	91	Resp:	723737
Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.2	54.6





#83

tert-Butylbenzene

Concen: 51.647 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

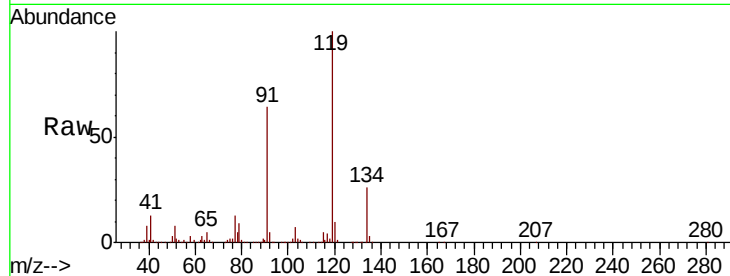
ClientSampleId :

VSTDICCC050

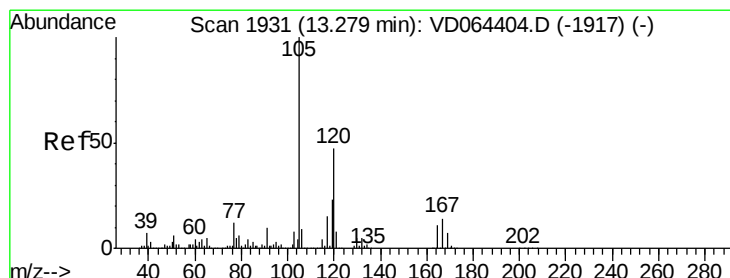
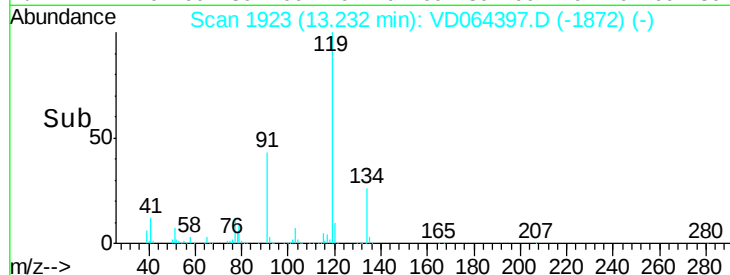
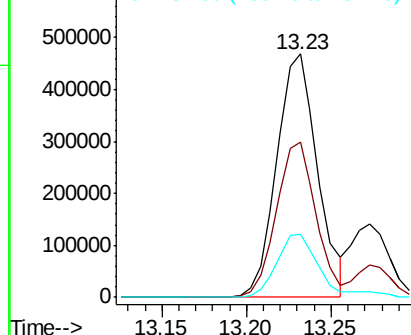
Tot Ion:	119	Resp:	787644
Ion Ratio	Lower	Upper	
119	100		
91	61.9	31.2	93.6
134	25.6	13.9	41.7

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



#84

1,2,4-Trimethylbenzene

Concen: 50.209 ug/l

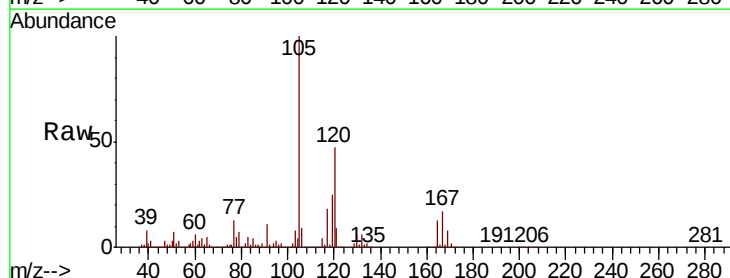
RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

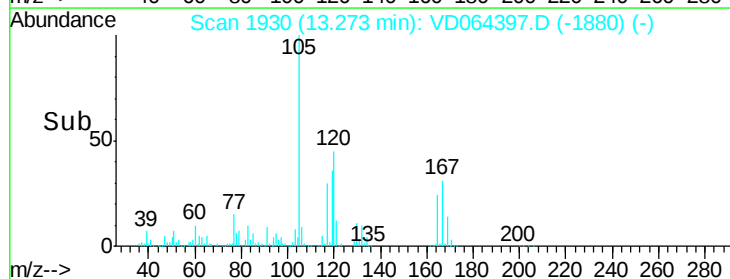
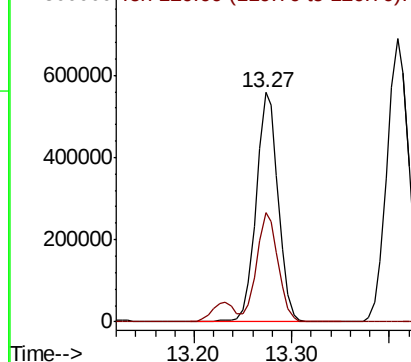
Lab File: VD064397.D

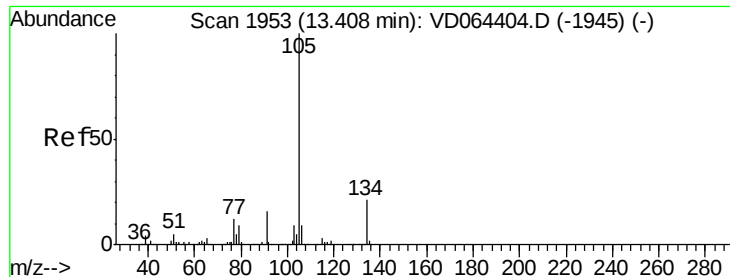
Acq: 27 Nov 2019 15:35

Tgt Ion:	105	Resp:	885621
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.6	70.8



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





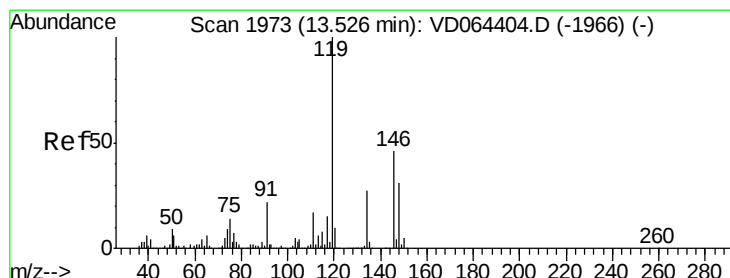
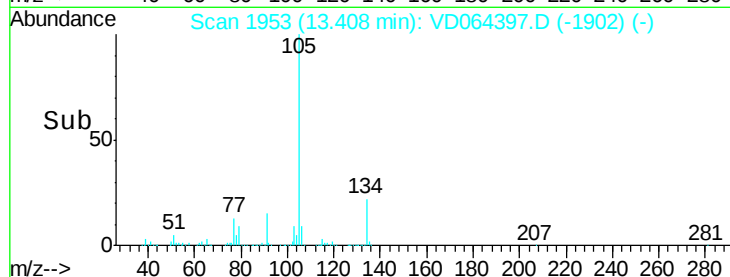
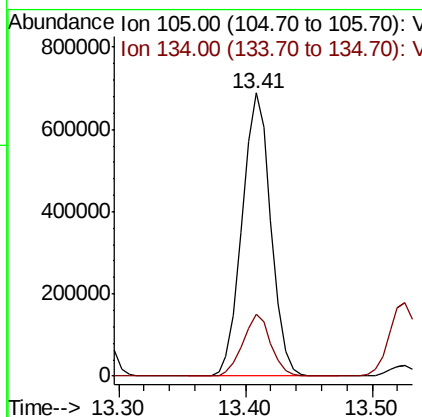
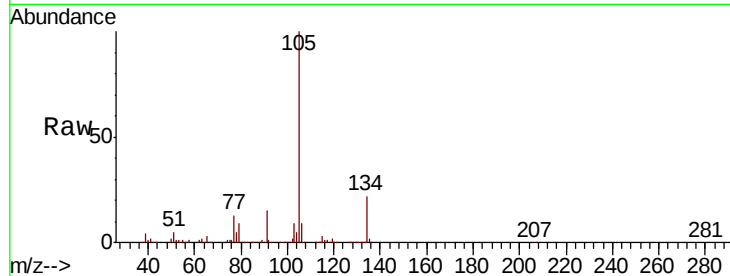
#85
 sec-Butylbenzene
 Concen: 51.598 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.5	31.5

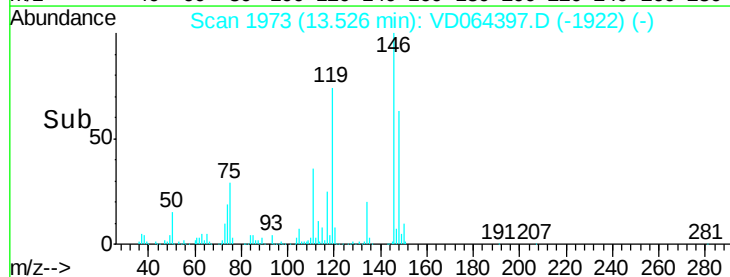
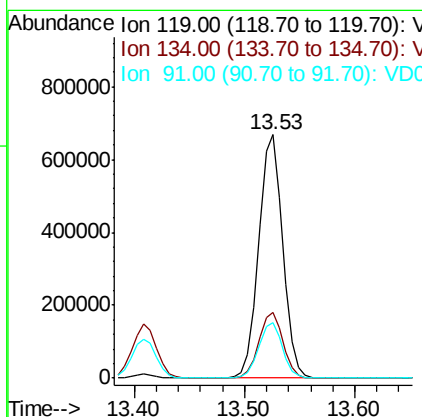
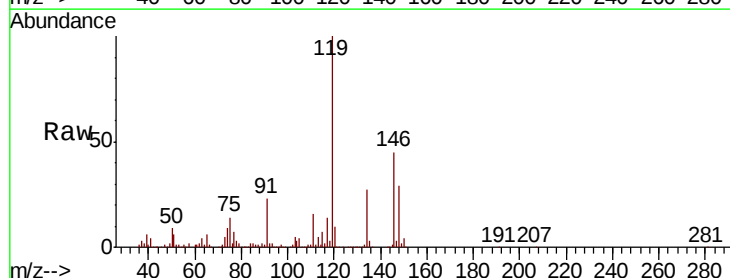
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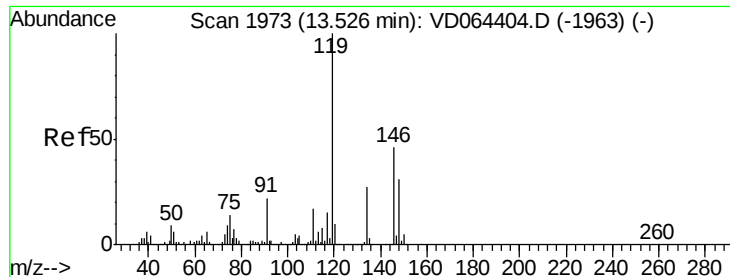
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#86
 p-Isopropyltoluene
 Concen: 51.632 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.4
91	22.4	11.2	33.5





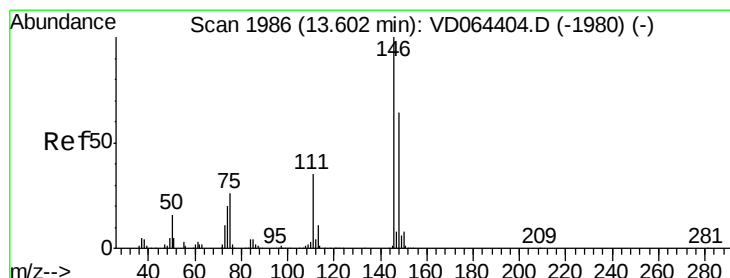
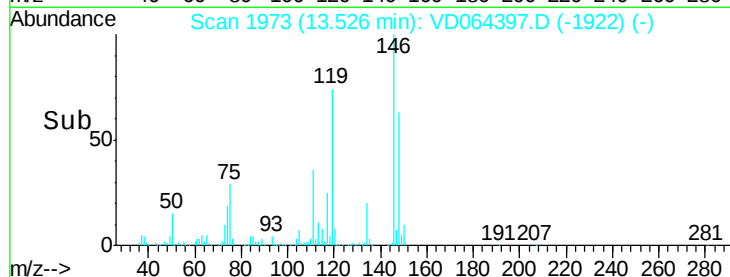
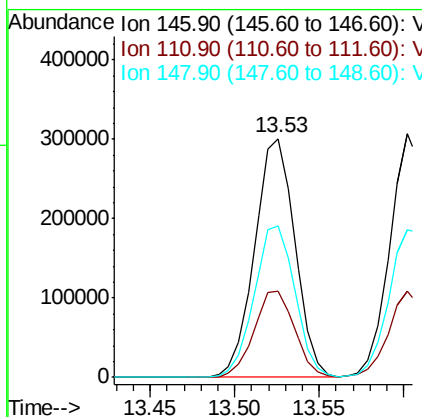
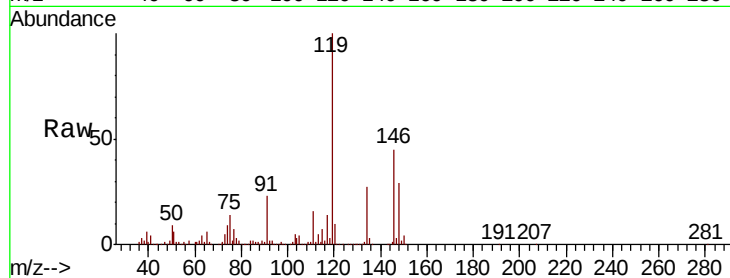
#87
 1,3-Dichlorobenzene
 Concen: 49.695 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.4
148	64.1	32.6	97.8

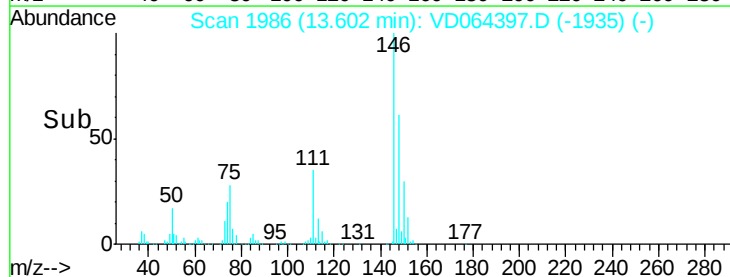
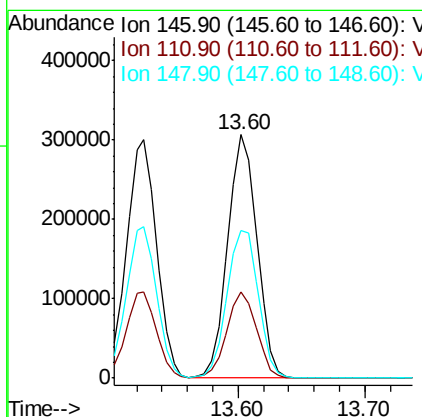
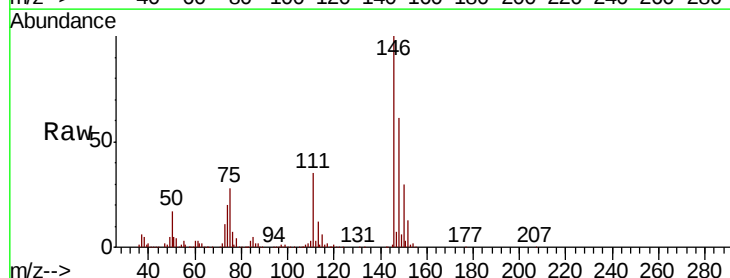
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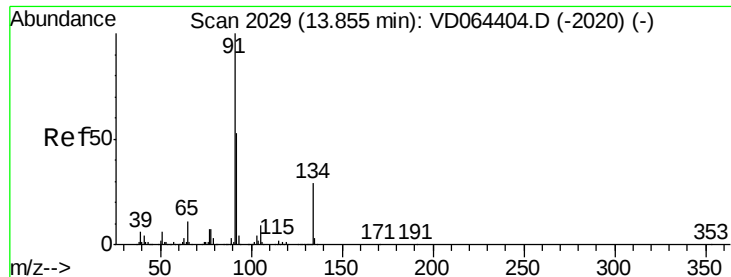
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#88
 1,4-Dichlorobenzene
 Concen: 49.470 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.2	54.6
148	64.7	31.8	95.4





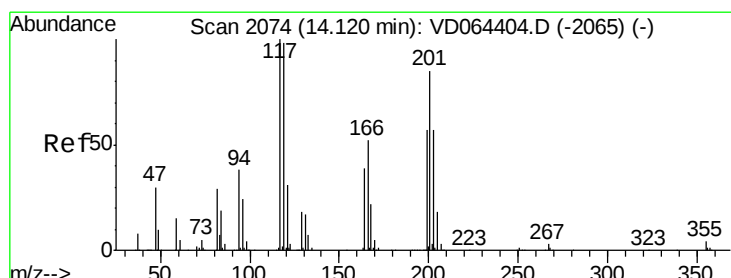
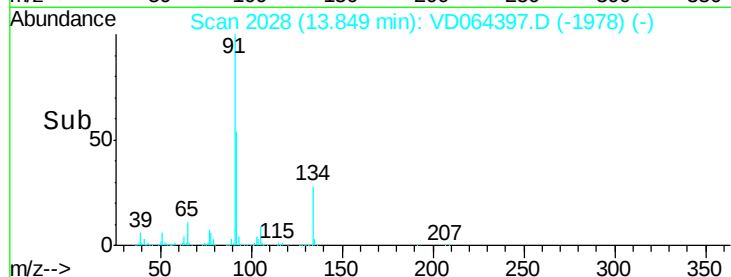
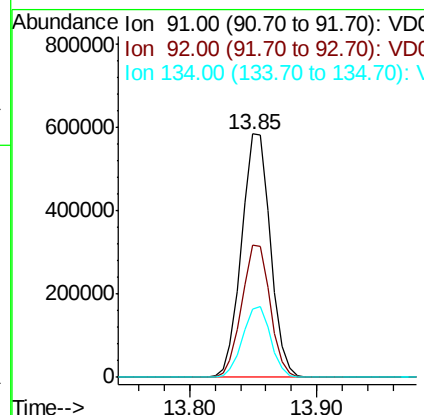
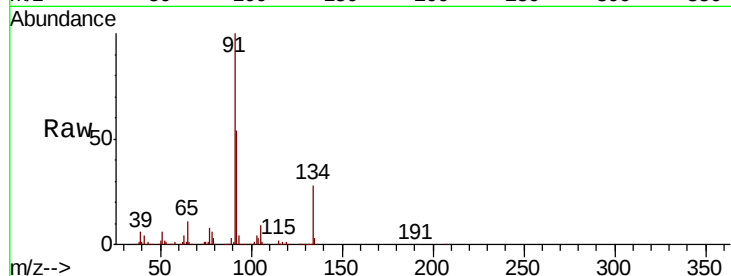
#89
n-Butylbenzene
Concen: 51.176 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.7	26.5	79.4	
134	28.4	13.9	41.7	

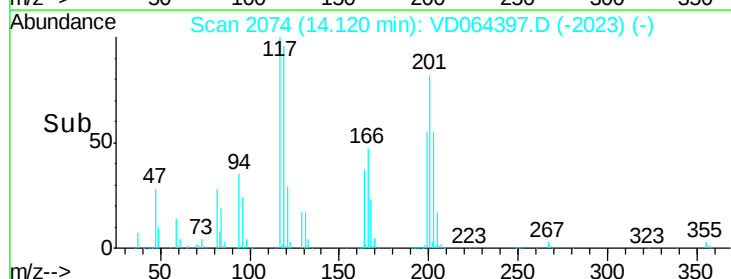
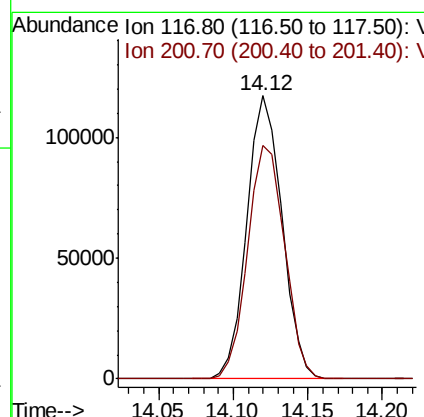
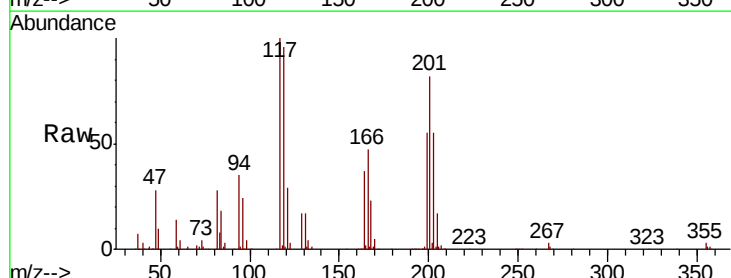
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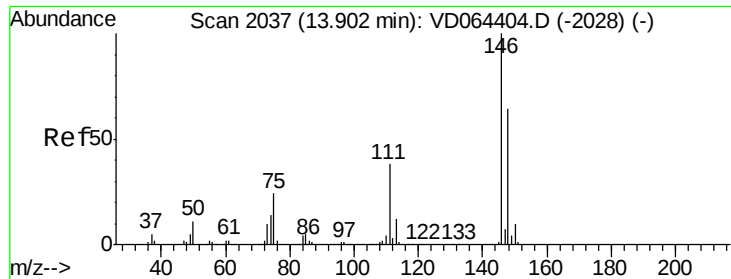
apatel
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#90
Hexachloroethane
Concen: 51.848 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.4	44.3	132.8	





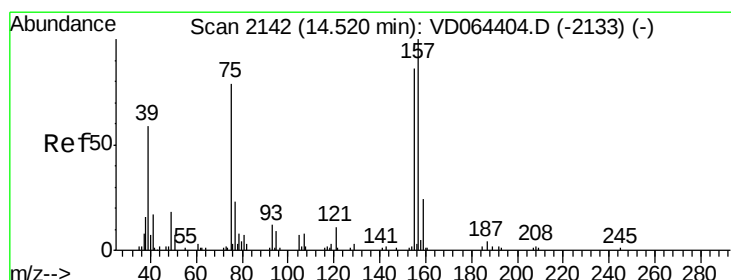
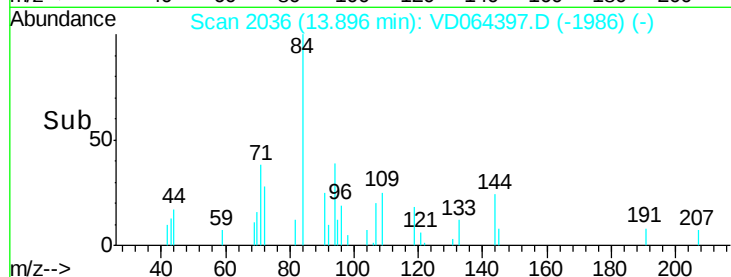
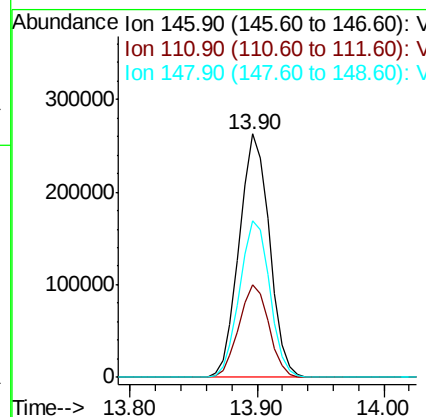
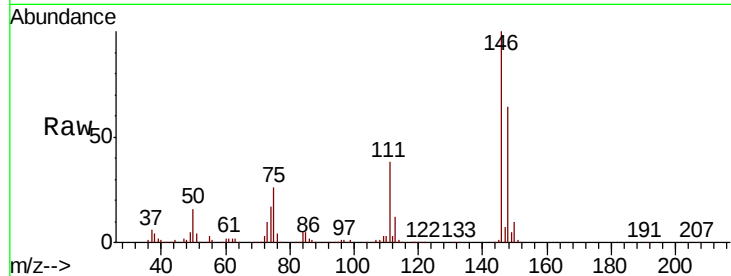
#91
 1,2-Dichlorobenzene
 Concen: 50.362 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	64.5	32.0	96.0

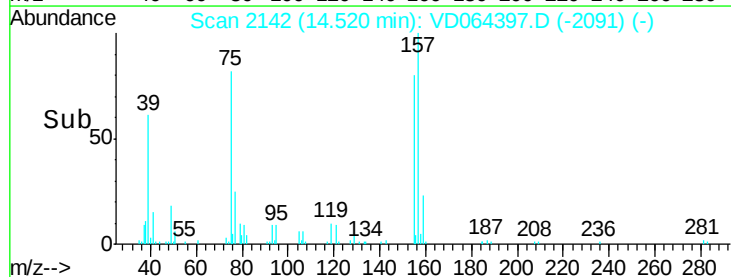
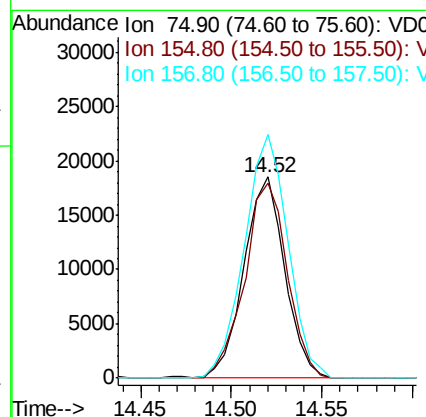
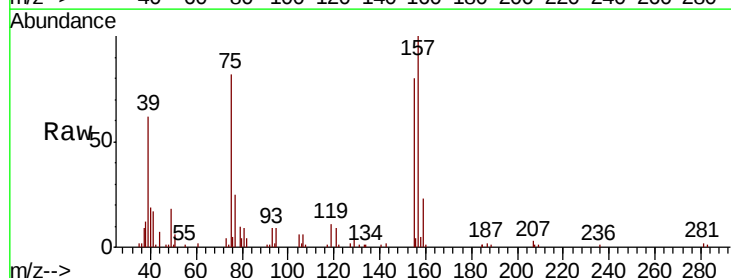
Manual Integrations
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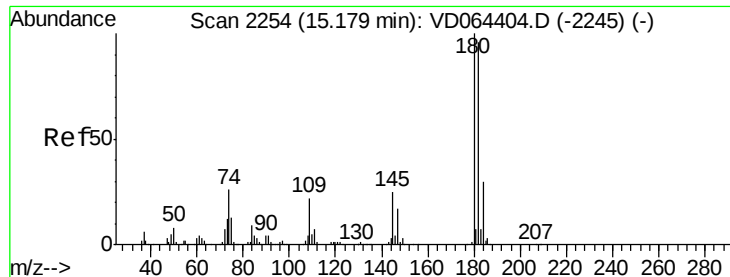
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.242 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.9	51.9	155.7
157	129.2	63.2	189.8





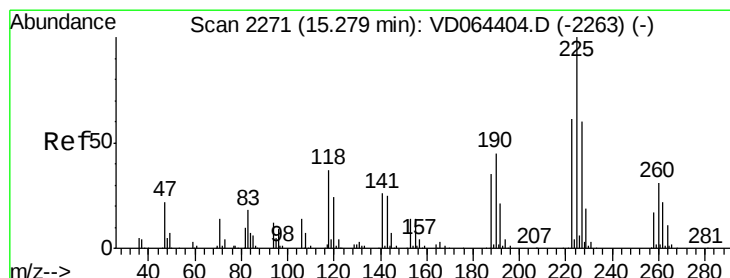
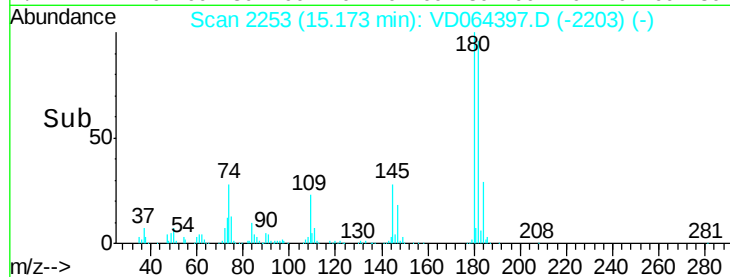
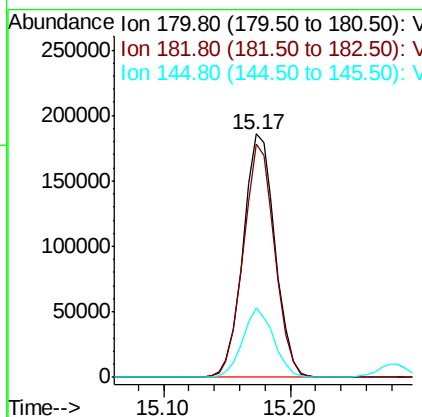
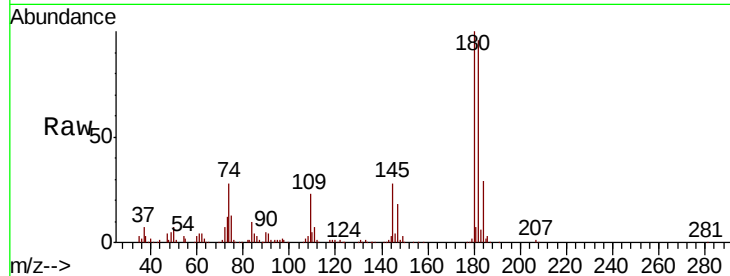
#93
 1,2,4-Trichlorobenzene
 Concen: 49.108 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	47.4	142.3	
145	27.7	14.0	41.9	

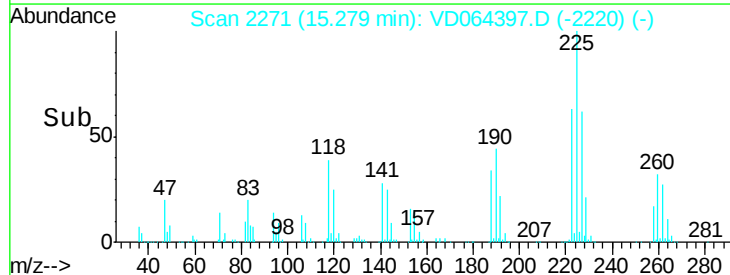
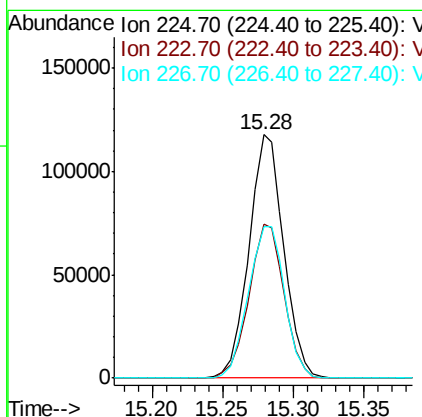
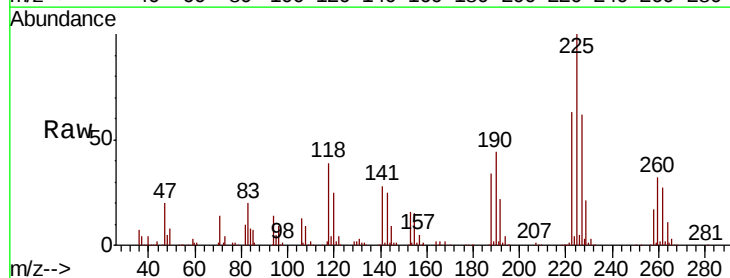
Manual Integrations
 APPROVED

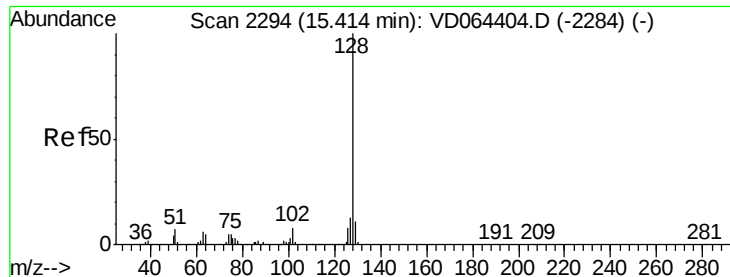
apatel
 12/2/2019 10:56:17 AM



#94
 Hexachlorobutadiene
 Concen: 49.890 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.9	31.1	93.3	
227	65.1	31.8	95.4	





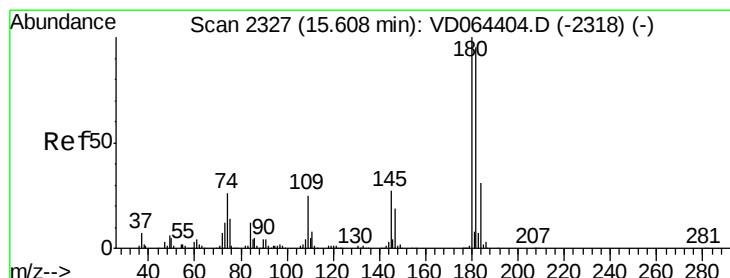
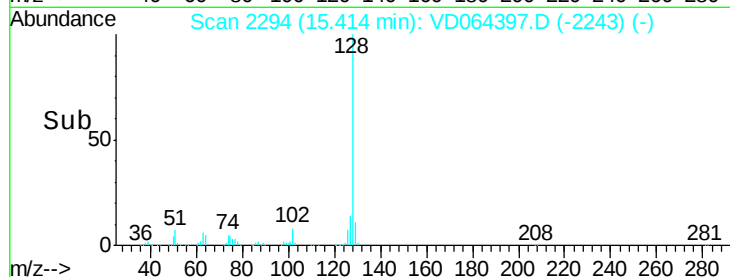
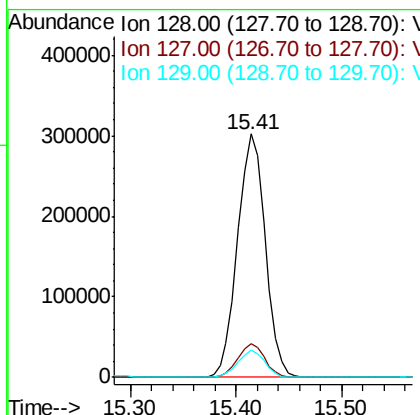
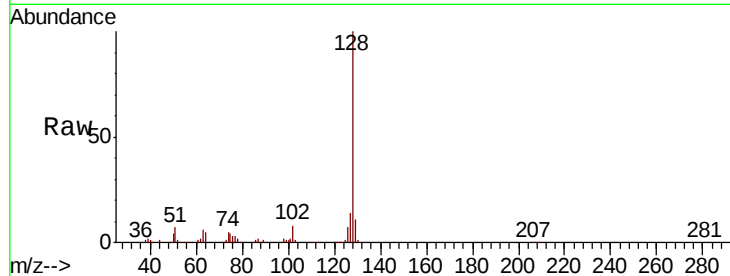
#95
Naphthalene
Concen: 49.825 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	10.6	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.299 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.9
145	29.2	14.6	43.8

