

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064396.D
 Acq On : 27 Nov 2019 15:07
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:13 AM

Quant Time: Nov 29 07:34:01 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	494602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	602739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	78445	17.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.04%	
35) Dibromofluoromethane	7.92	113	83021	18.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.66%	
50) Toluene-d8	10.34	98	312981	18.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.70%	
62) 4-Bromofluorobenzene	12.64	95	100208	18.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	95149	21.231	ug/l	93
3) Chloromethane	2.21	50	114976	20.341	ug/l	95
4) Vinyl Chloride	2.35	62	139427	21.363	ug/l	100
5) Bromomethane	2.76	94	92166	19.096	ug/l	96
6) Chloroethane	2.92	64	88876	20.374	ug/l	99
7) Trichlorofluoromethane	3.27	101	223231	20.575	ug/l	95
8) Diethyl Ether	3.70	74	42630	18.908	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94344	20.280	ug/l	99
10) Methyl Iodide	4.30	142	99944	20.344	ug/l	100
11) Tert butyl alcohol	5.26	59	23760	83.376	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	92049	20.648	ug/l	89
13) Acrolein	3.93	56	33381	85.878	ug/l	99
14) Allyl chloride	4.71	41	140889	20.250	ug/l	97
15) Acrylonitrile	5.44	53	92820	94.148	ug/l	100
16) Acetone	4.17	43	83884	92.722	ug/l	99
17) Carbon Disulfide	4.40	76	294790	20.878	ug/l	97
18) Methyl Acetate	4.72	43	51000	19.326	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	189583	18.539	ug/l	99
20) Methylene Chloride	4.97	84	96258	18.104	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	102614	20.349	ug/l	97
22) Diisopropyl ether	6.37	45	255415	18.596	ug/l	99
23) Vinyl Acetate	6.31	43	750187	92.648	ug/l	98
24) 1,1-Dichloroethane	6.27	63	160118	19.385	ug/l	96
25) 2-Butanone	7.23	43	122531	95.771	ug/l	97
26) 2,2-Dichloropropane	7.21	77	144784	20.156	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	104654	19.036	ug/l	98
28) Bromochloromethane	7.55	49	28420	10.068	ug/l	99
29) Tetrahydrofuran	7.57	42	73320	90.074	ug/l	98
30) Chloroform	7.71	83	172850	20.206	ug/l	96
31) Cyclohexane	7.98	56	160130	19.397	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	158800	20.023	ug/l	98
36) 1,1-Dichloropropene	8.11	75	138186	20.881	ug/l	100
37) Ethyl Acetate	7.31	43	56701	20.193	ug/l	99
38) Carbon Tetrachloride	8.10	117	144941	20.752	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	169165	20.607	ug/l	96
40) Benzene	8.35	78	364564	19.835	ug/l	100
41) Methacrylonitrile	7.53	41	33174	20.600	ug/l	95
42) 1,2-Dichloroethane	8.43	62	101311	18.901	ug/l	98
43) Isopropyl Acetate	8.46	43	106189	19.233	ug/l	100
44) Trichloroethene	9.11	130	110248	19.913	ug/l	96
45) 1,2-Dichloropropane	9.39	63	87837	19.982	ug/l	99
46) Dibromomethane	9.48	93	46746	18.842	ug/l	96
47) Bromodichloromethane	9.67	83	126672	19.871	ug/l	96
48) Methyl methacrylate	9.46	41	50391	19.946	ug/l	94
49) 1,4-Dioxane	9.47	88	12980	423.683	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	263742	96.546	ug/l	98
52) Toluene	10.40	92	240610	20.087	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	115717	19.047	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	138573	19.200	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	65755	19.356	ug/l	96
56) Ethyl methacrylate	10.67	69	82058	18.939	ug/l	99
57) 1,3-Dichloropropane	10.95	76	112736	19.495	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	169736	98.271	ug/l	99
59) 2-Hexanone	10.99	43	184965	97.578	ug/l	100
60) Dibromochloromethane	11.14	129	86996	18.888	ug/l	98
61) 1,2-Dibromoethane	11.25	107	65052	19.179	ug/l	97
64) Tetrachloroethene	10.88	164	96605	21.018	ug/l	98
65) Chlorobenzene	11.67	112	255546	20.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	90742	19.499	ug/l	99
67) Ethyl Benzene	11.75	91	451009	20.164	ug/l	99
68) m/p-Xylenes	11.86	106	339453	39.803	ug/l	97
69) o-Xylene	12.18	106	156686	19.893	ug/l	99
70) Styrene	12.20	104	272853	19.935	ug/l	99
71) Bromoform	12.37	173	53743	19.303	ug/l #	99
73) Isopropylbenzene	12.48	105	428825	20.524	ug/l	99
74) N-amyl acetate	12.29	43	92241	19.452	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	70015	20.264	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	34368m	14.386	ug/l	
77) Bromobenzene	12.77	156	106435	20.629	ug/l	99
78) n-propylbenzene	12.83	91	509758	21.146	ug/l	99
79) 2-Chlorotoluene	12.91	91	273068	20.586	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	345591	20.241	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22746	20.761	ug/l	97
82) 4-Chlorotoluene	13.01	91	280742	19.989	ug/l	100
83) tert-Butylbenzene	13.23	119	302381	20.371	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	341184	19.873	ug/l	98
85) sec-Butylbenzene	13.41	105	419819	20.607	ug/l	100
86) p-Isopropyltoluene	13.53	119	387746	20.160	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	192791	19.687	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	187914	19.436	ug/l	98
89) n-Butylbenzene	13.85	91	356170	20.391	ug/l	99
90) Hexachloroethane	14.12	117	74403	20.682	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	163857	19.579	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10992	18.534	ug/l	95

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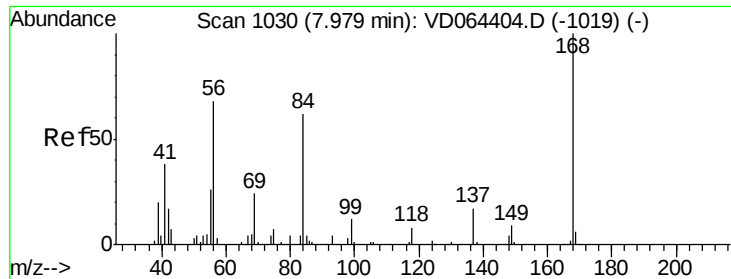
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123470	19.264	ug/l	100
94) Hexachlorobutadiene	15.28	225	81929	20.706	ug/l	98
95) Naphthalene	15.41	128	205824	19.242	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	105821	19.342	ug/l	99

(#) = 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: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 494602

Ion Ratio Lower Upper

168 100

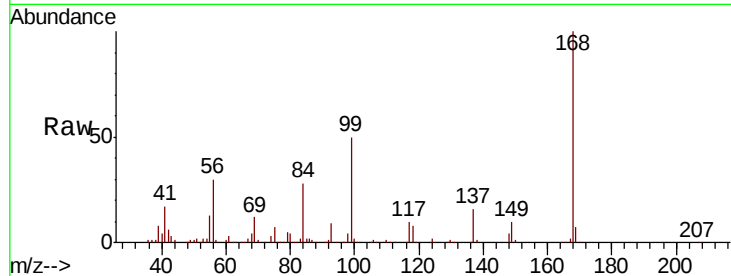
99 50.2 40.7 61.1

Manual Integrations

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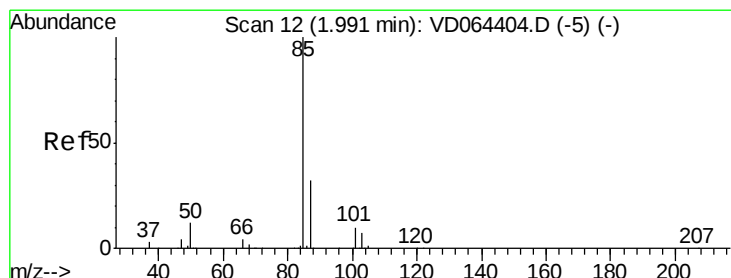
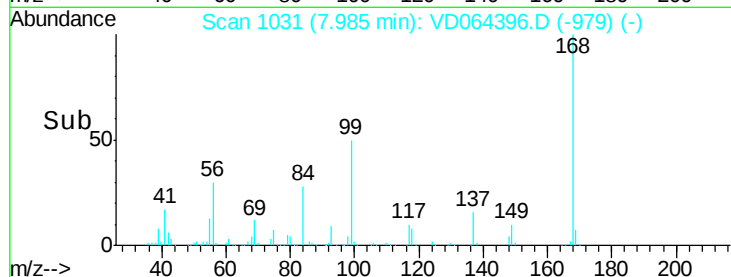
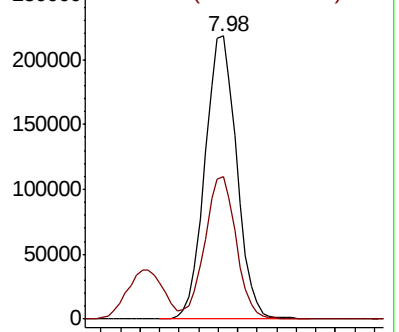
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.231 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064396.D

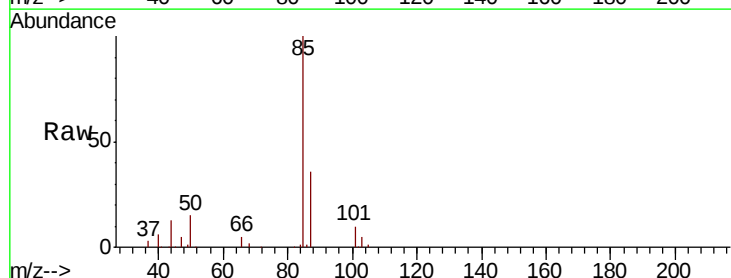
Acq: 27 Nov 2019 15:07

Tgt Ion: 85 Resp: 95149

Ion Ratio Lower Upper

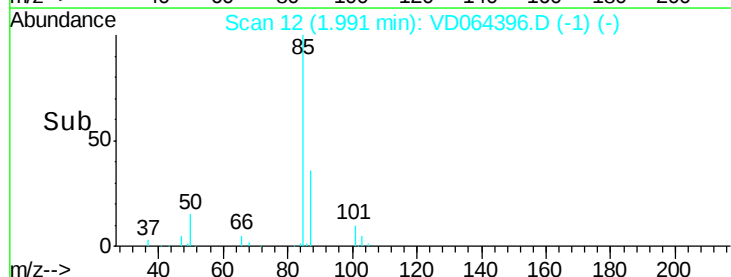
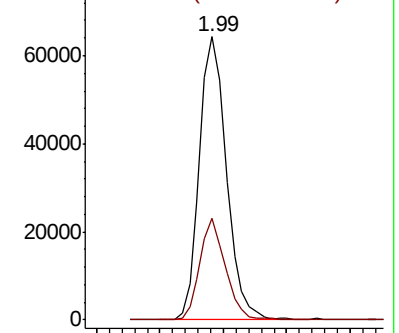
85 100

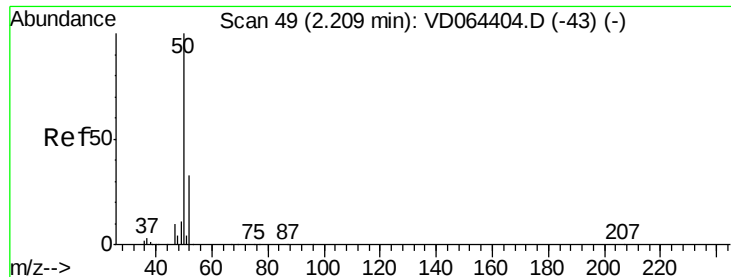
87 36.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.341 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 114976

Ion Ratio Lower Upper

50 100

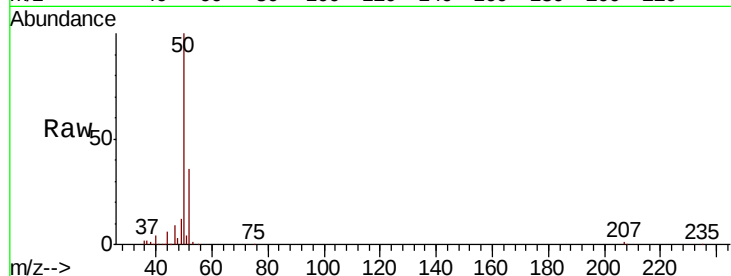
52 36.2 26.7 40.1

Manual Integrations

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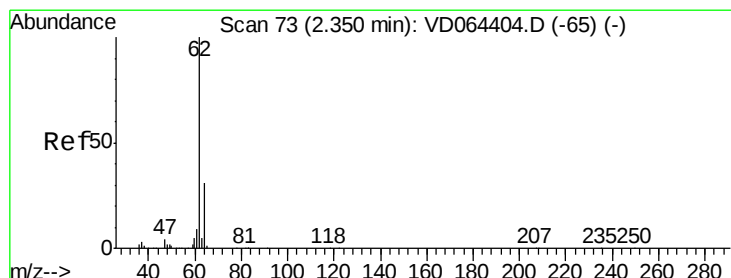
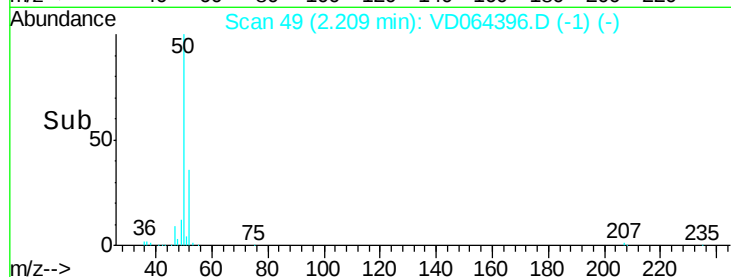
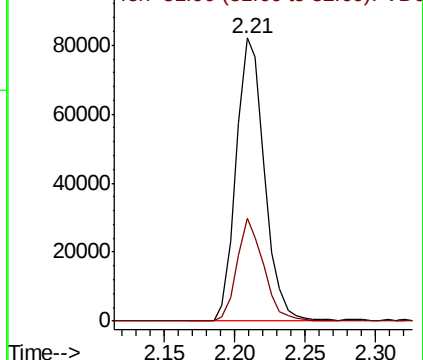
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.363 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064396.D

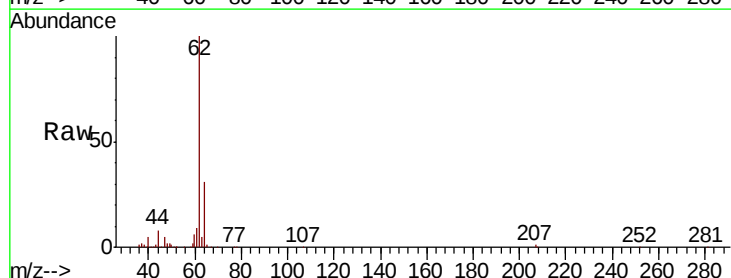
Acq: 27 Nov 2019 15:07

Tgt Ion: 62 Resp: 139427

Ion Ratio Lower Upper

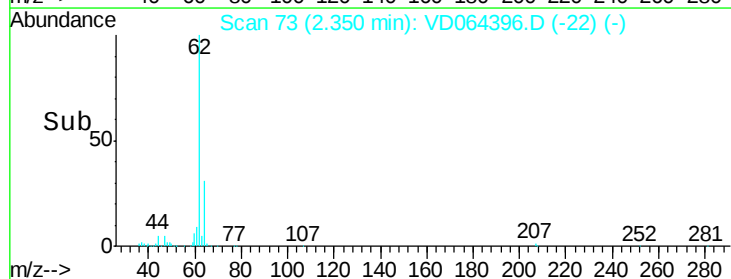
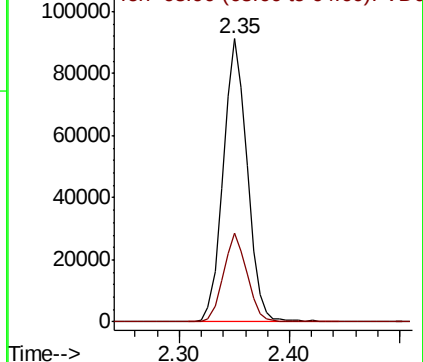
62 100

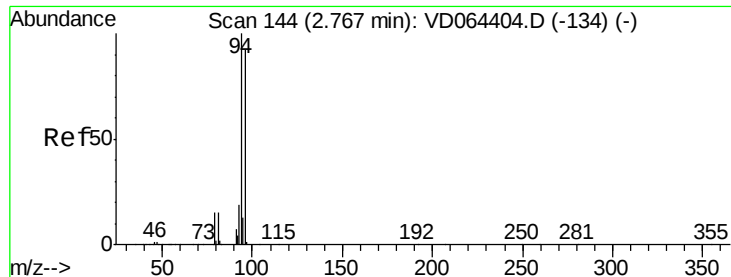
64 31.3 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.096 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 92166

Ion Ratio Lower Upper

94 100

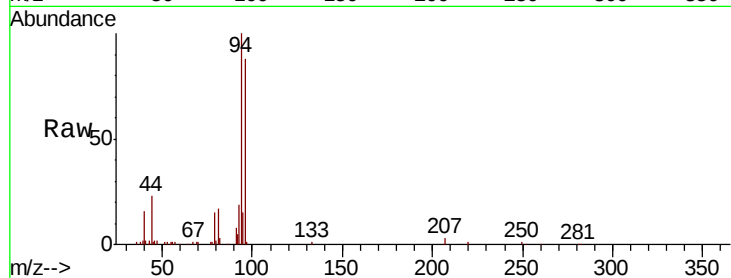
96 87.8 73.6 110.4

Manual Integrations

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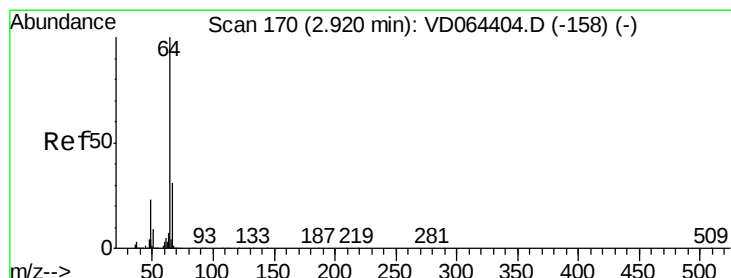
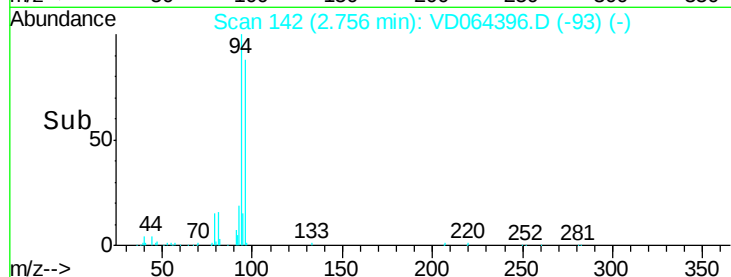
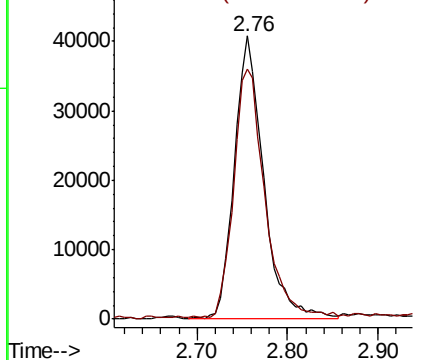
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.374 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064396.D

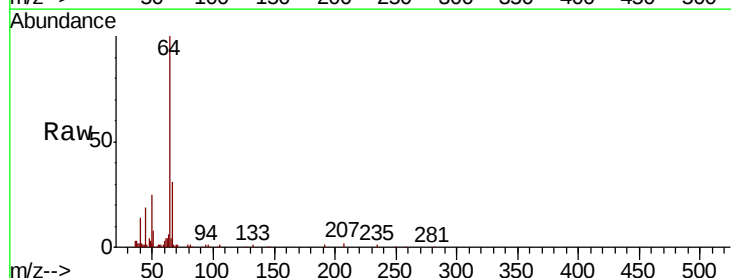
Acq: 27 Nov 2019 15:07

Tgt Ion: 64 Resp: 88876

Ion Ratio Lower Upper

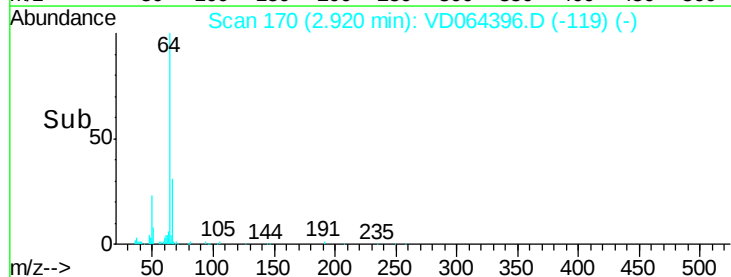
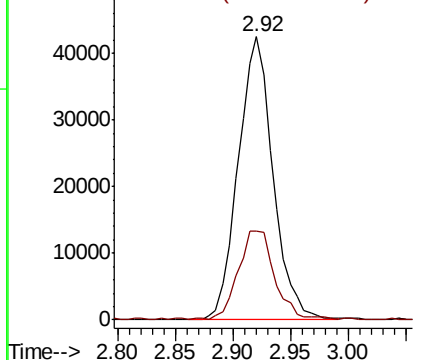
64 100

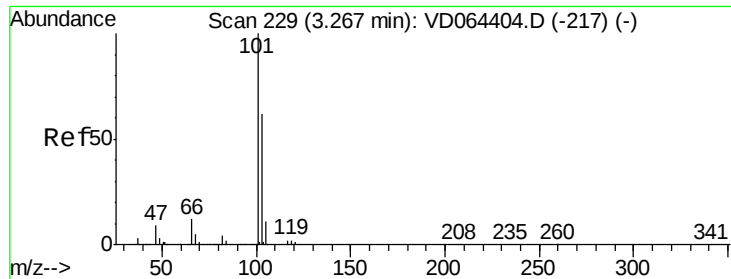
66 31.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

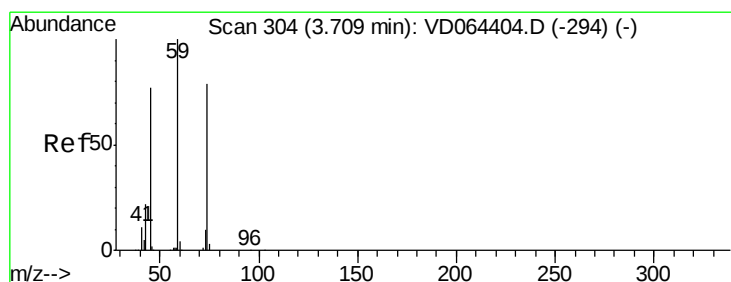
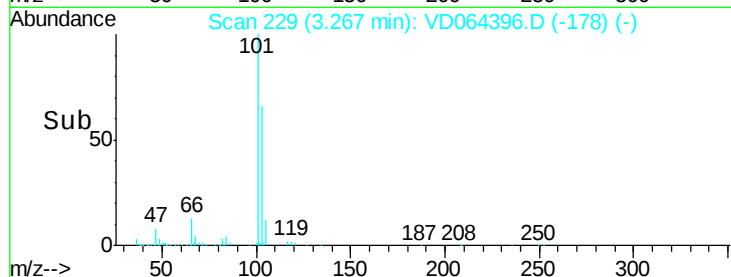
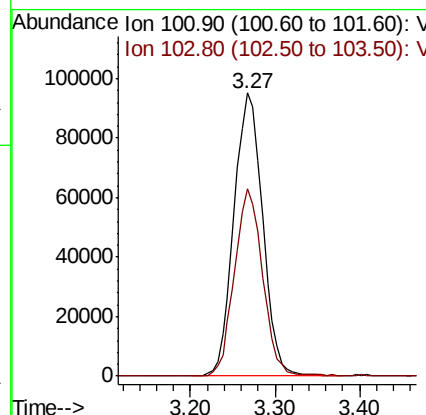
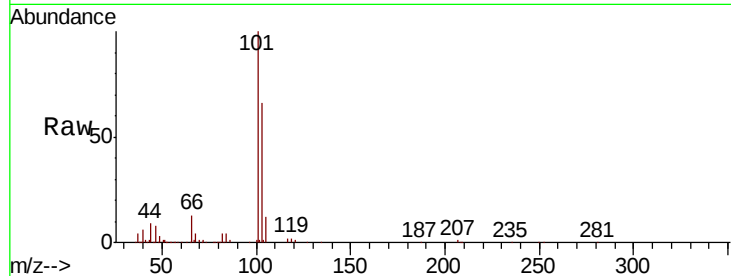
Trichlorofluoromethane
Concen: 20.575 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	223231		
103	66.1	49.8	74.6	

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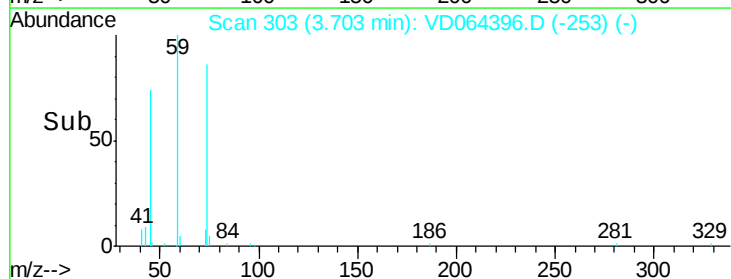
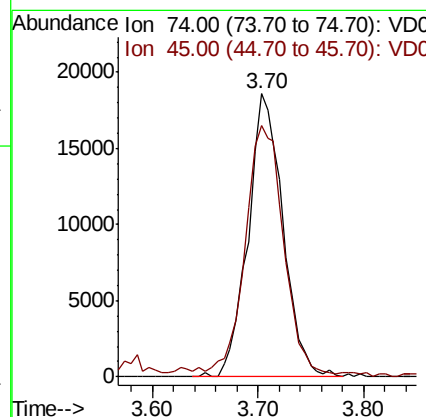
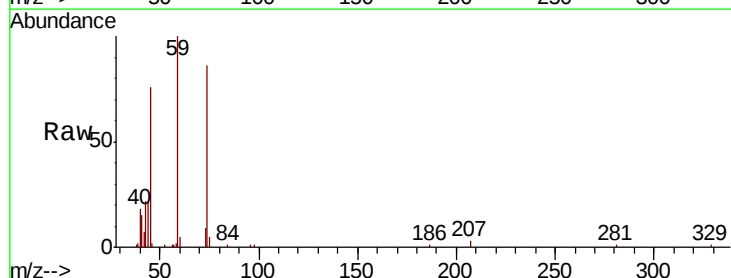
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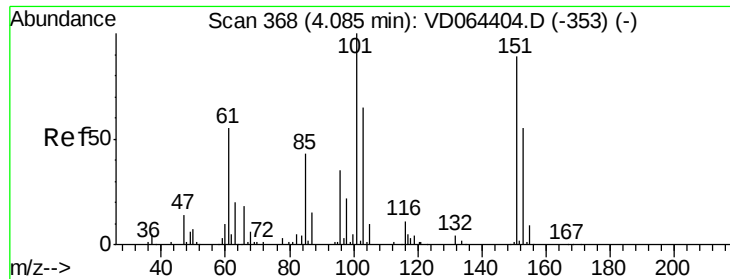


#8

Diethyl Ether
Concen: 18.908 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	42630		
45	96.3	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.280 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064396.D

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MSVOA_D

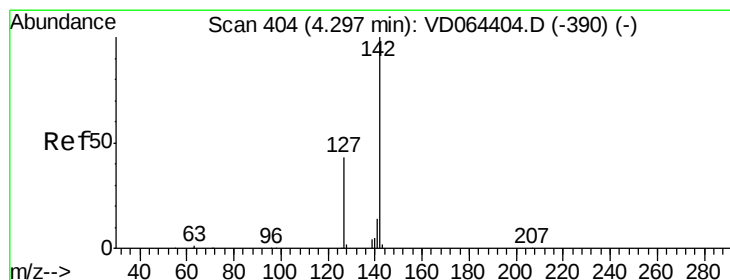
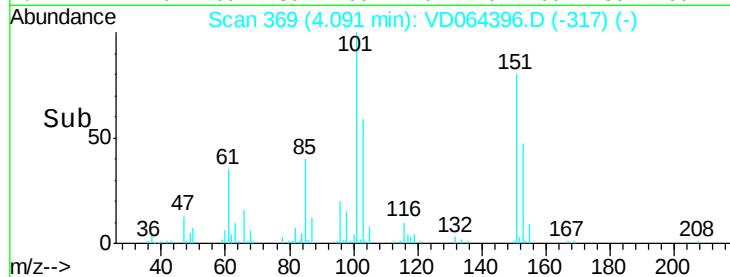
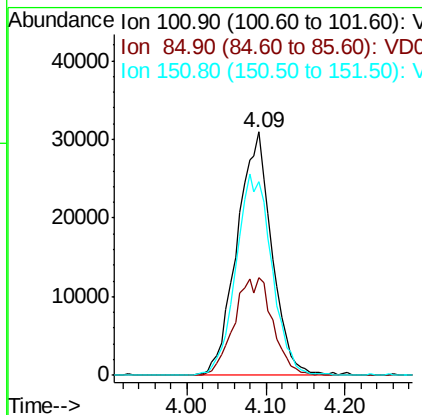
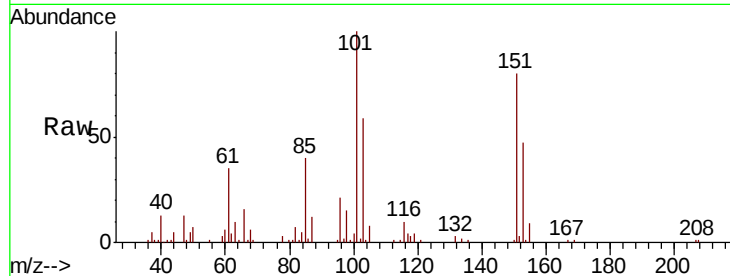
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	94344
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.8	52.2
151	85.0	68.8	103.2

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#10

Methyl Iodide

Concen: 20.344 ug/l

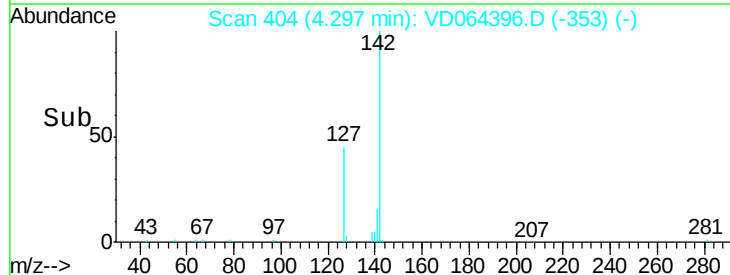
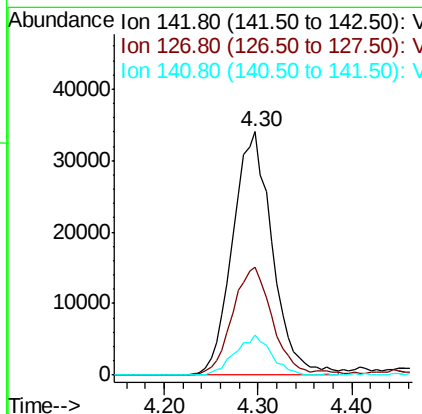
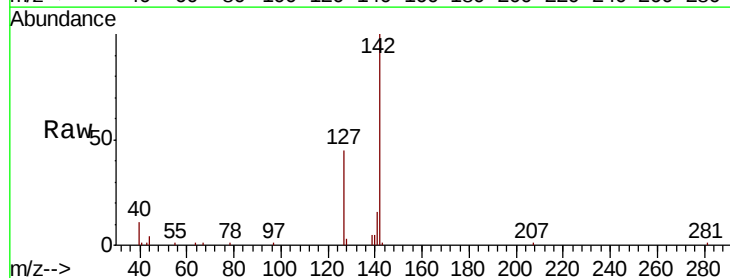
RT: 4.30 min Scan# 404

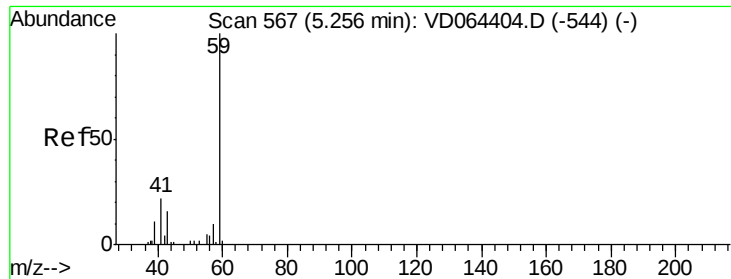
Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Tgt Ion:	142	Resp:	99944
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.3	52.9
141	14.8	11.6	17.4





#11

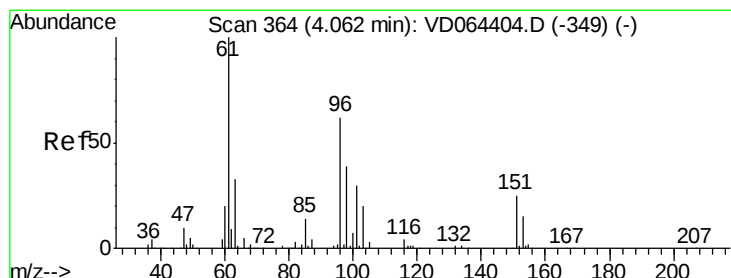
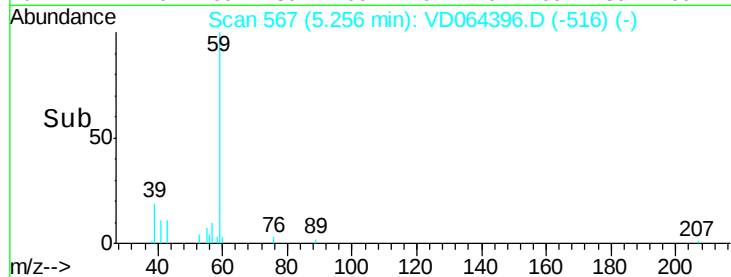
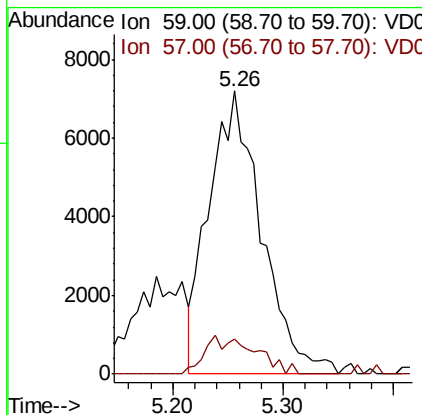
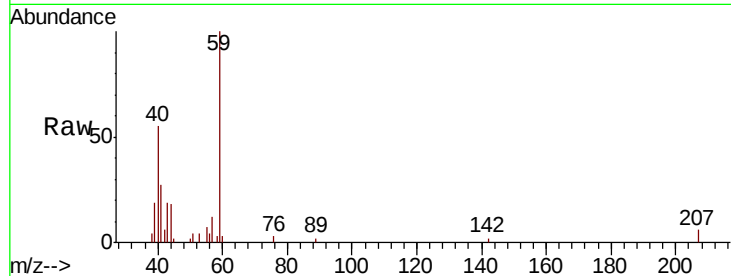
Tert butyl alcohol
Concen: 83.376 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	59	57	Ratio	Lower	Upper
23760	100	0.0		0.0	0.0

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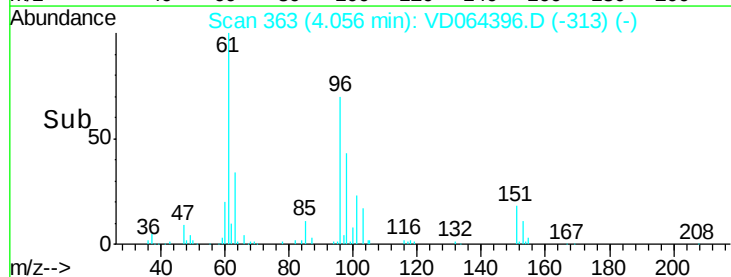
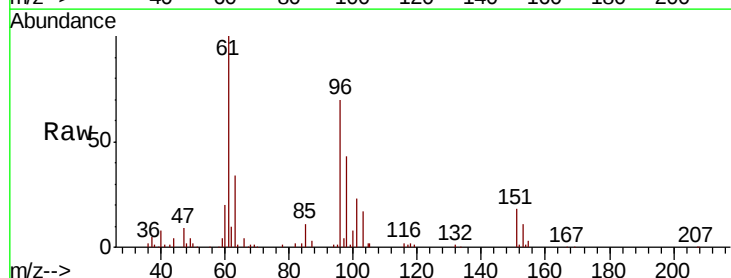
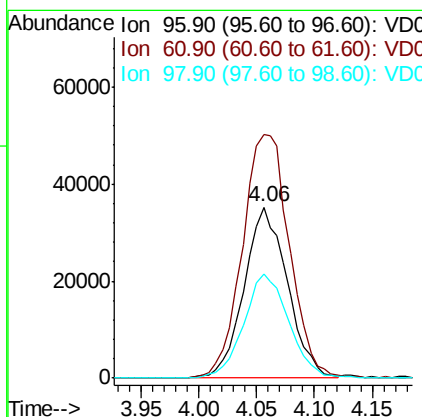
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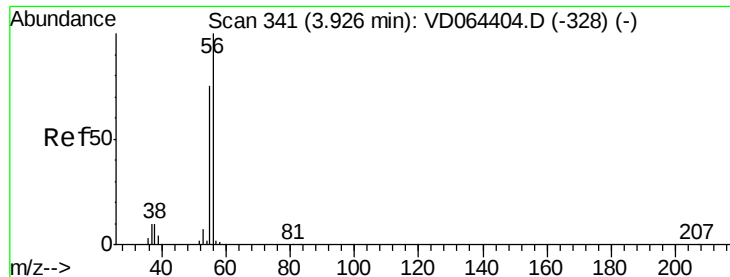


#12

1,1-Dichloroethene
Concen: 20.648 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	96	61	98	Ratio	Lower	Upper
92049	100	142.2	60.5		128.2	192.4





#13

Acrolein

Concen: 85.878 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 33381

Ion Ratio Lower Upper

56 100

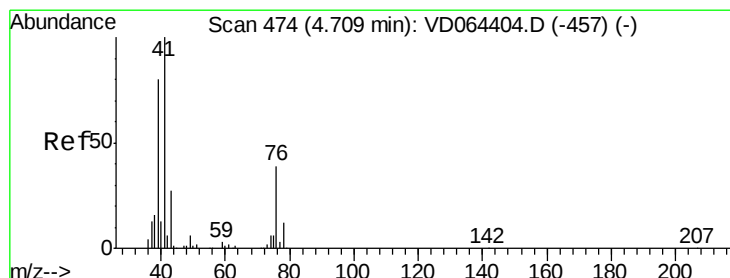
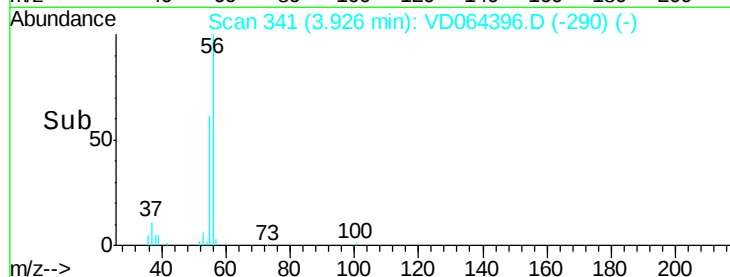
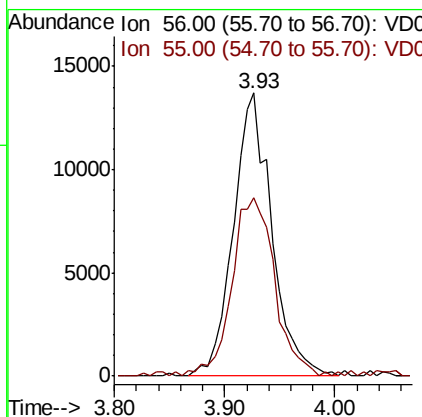
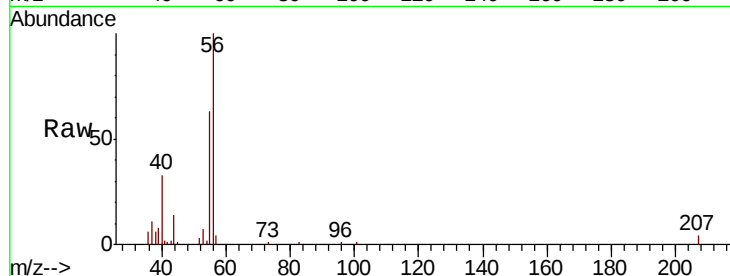
55 70.5 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 20.250 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

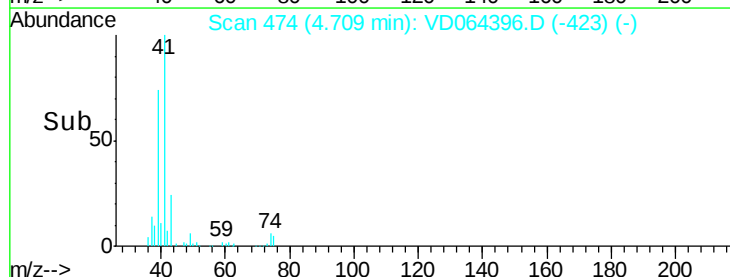
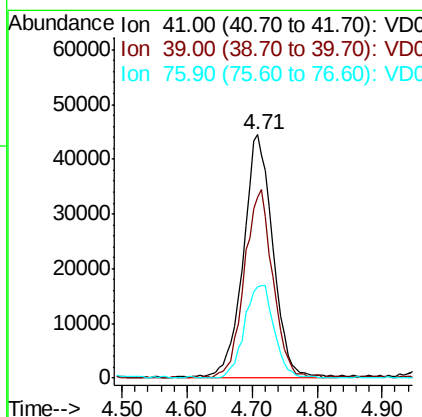
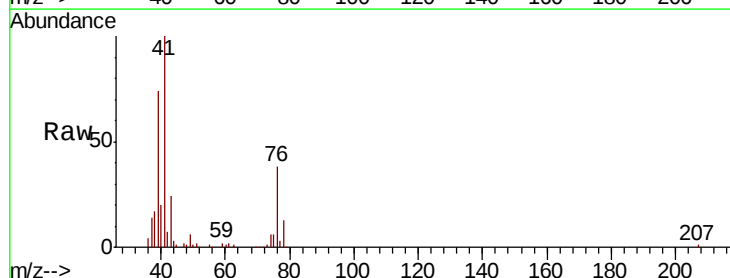
Tgt Ion: 41 Resp: 140889

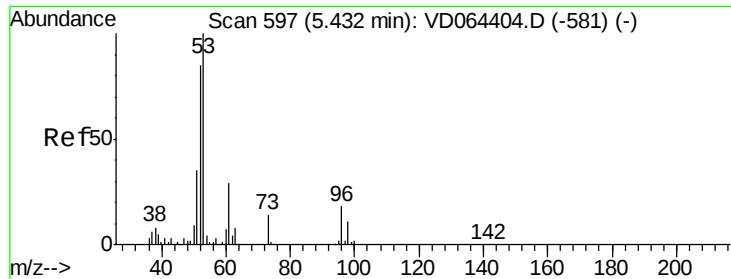
Ion Ratio Lower Upper

41 100

39 74.1 62.1 93.1

76 38.3 29.8 44.8





#15

Acrylonitrile

Concen: 94.148 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

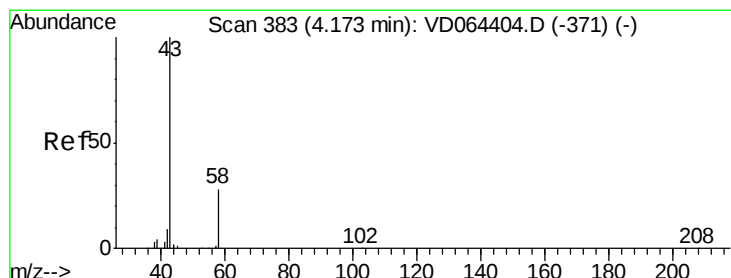
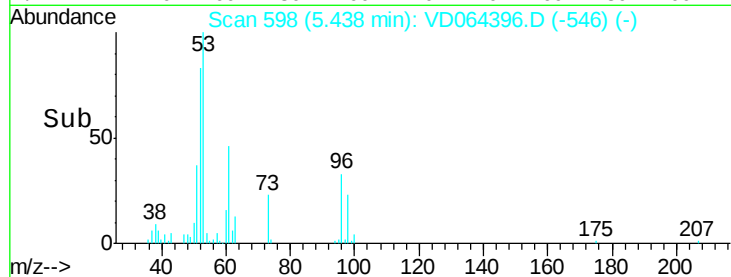
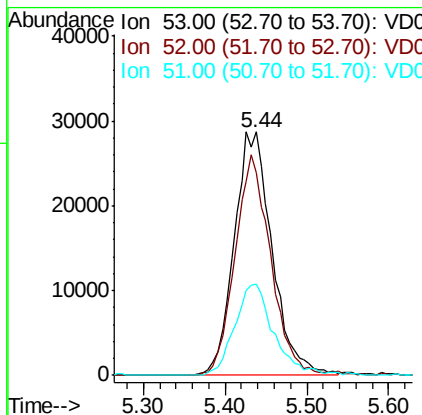
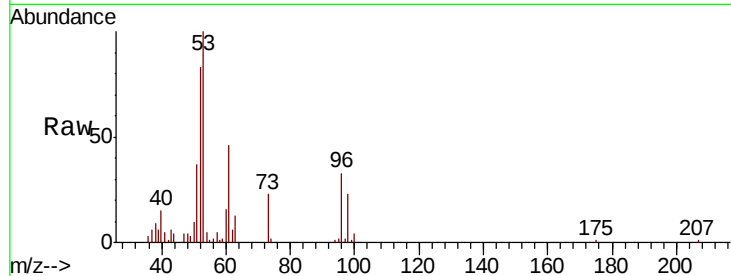
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	92820
Ion	Ratio	Lower	Upper
53	100		
52	84.9	67.9	101.9
51	38.0	30.6	45.8

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#16

Acetone

Concen: 92.722 ug/l

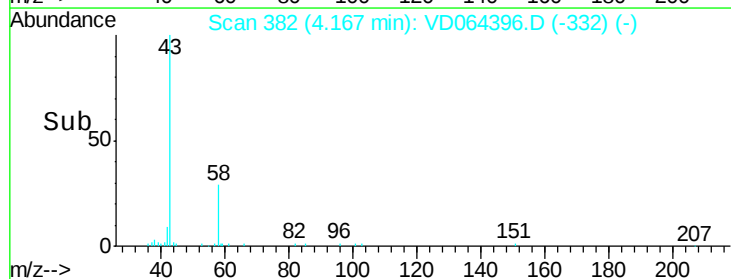
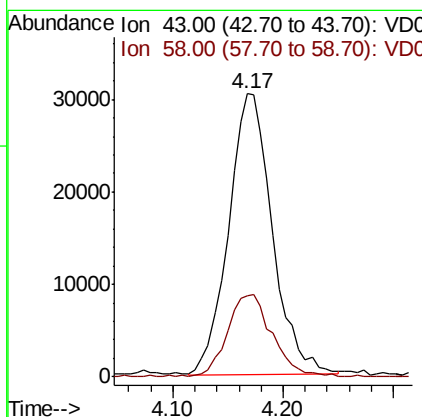
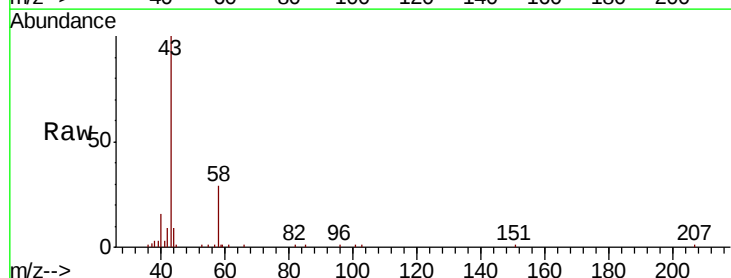
RT: 4.17 min Scan# 382

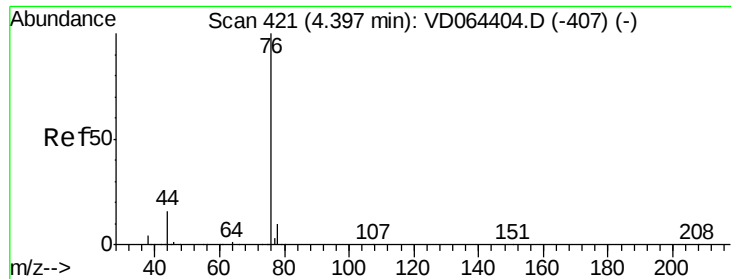
Delta R.T. -0.01 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Tgt Ion:	43	Resp:	83884
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.6	33.8





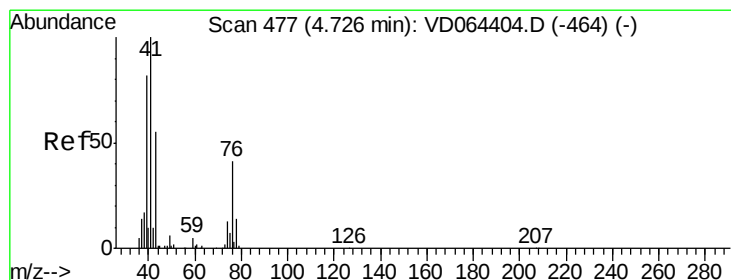
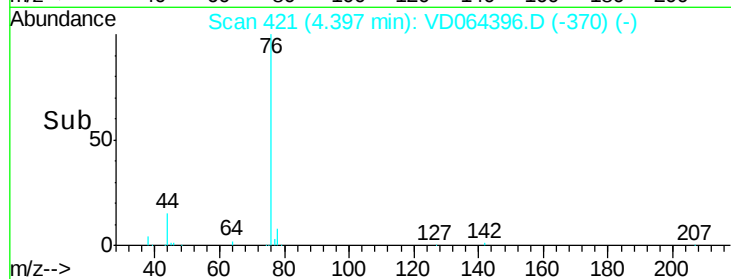
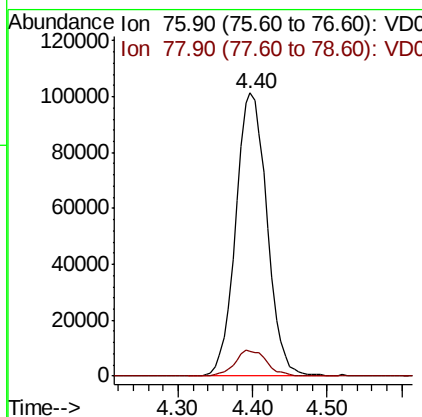
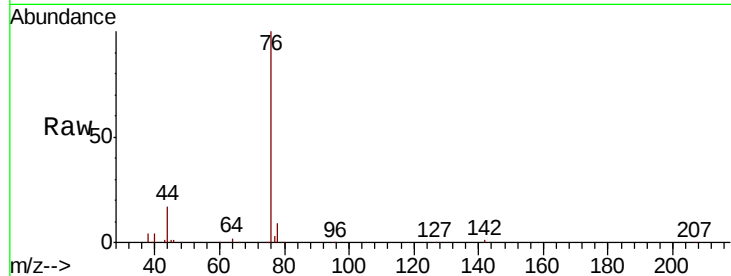
#17
Carbon Disulfide
Concen: 20.878 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
76	100	294790		
78	8.6		7.8	11.8

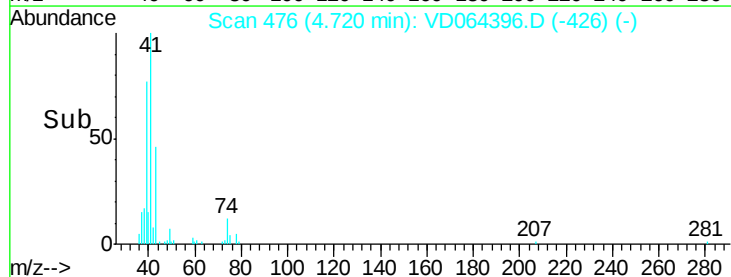
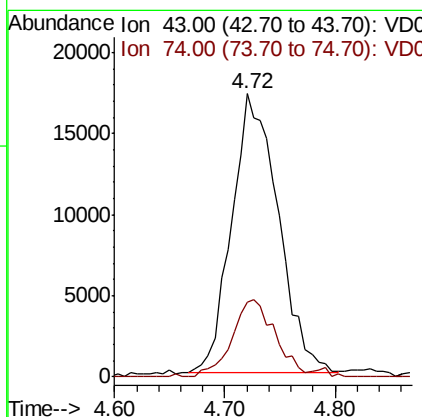
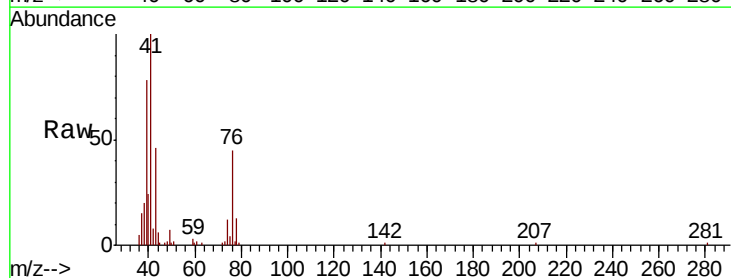
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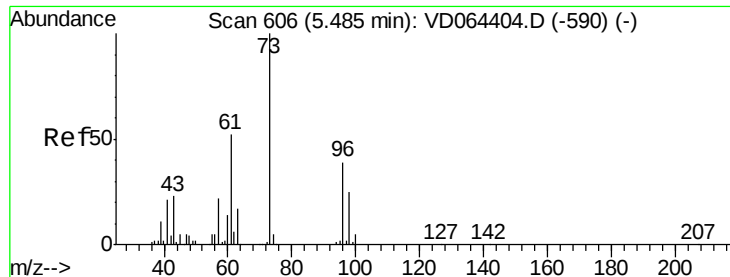
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#18
Methyl Acetate
Concen: 19.326 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	51000		
74	25.5		19.7	29.5





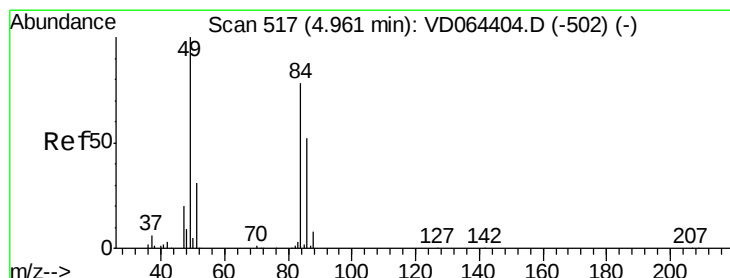
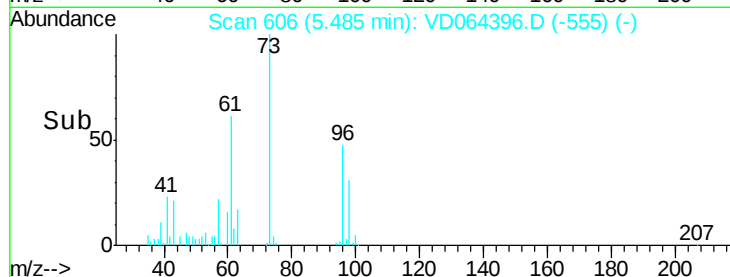
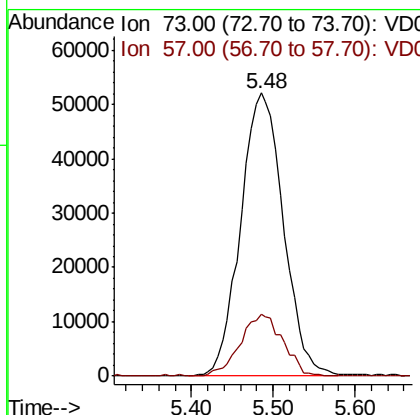
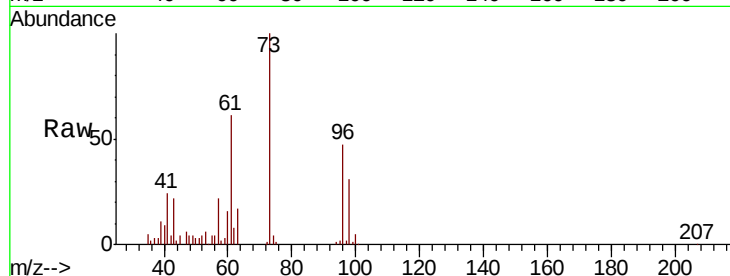
#19
Methyl tert-butyl Ether
Concen: 18.539 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 189583
Ion Ratio Lower Upper
73 100
57 21.7 17.6 26.4

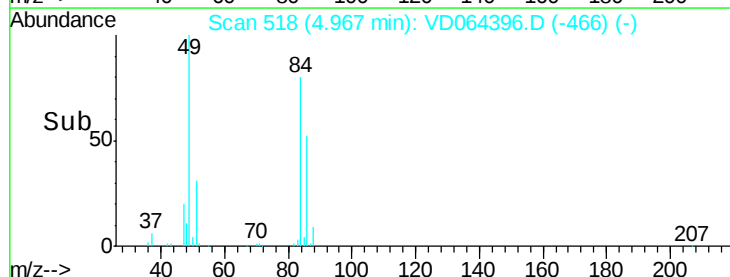
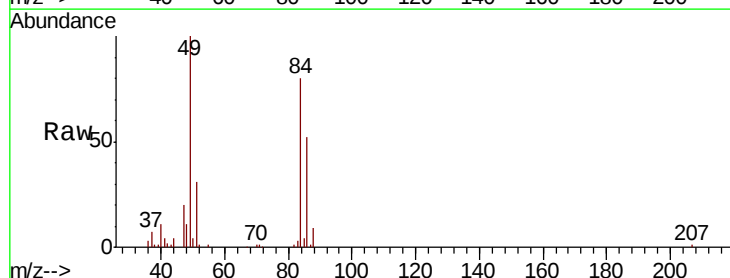
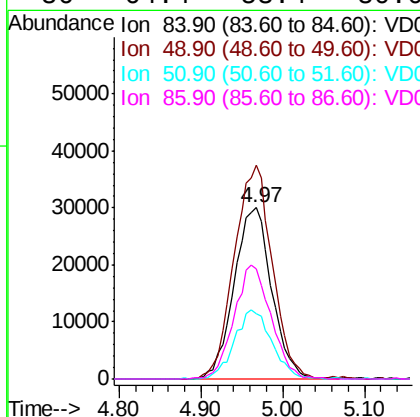
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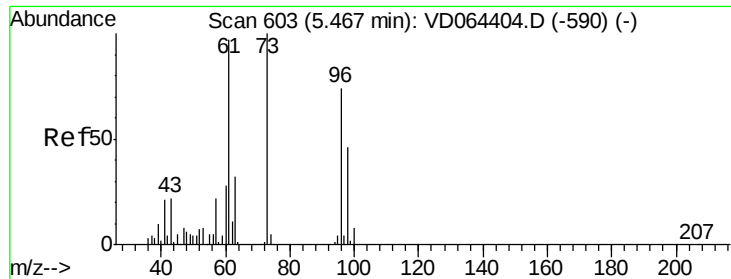
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#20
Methylene Chloride
Concen: 18.104 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion: 84 Resp: 96258
Ion Ratio Lower Upper
84 100
49 124.8 102.6 153.8
51 38.3 32.0 48.0
86 64.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 20.349 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

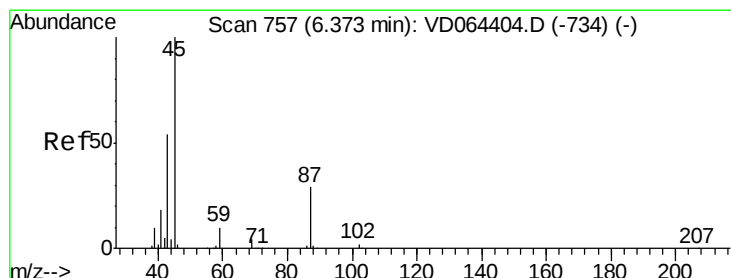
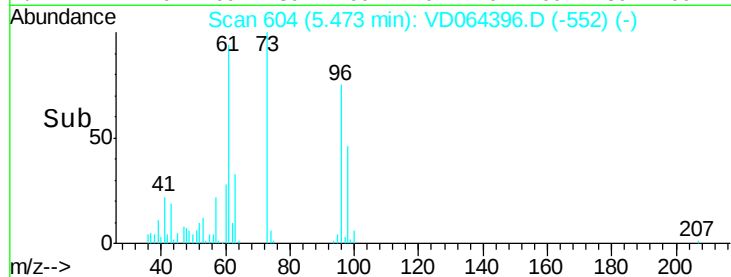
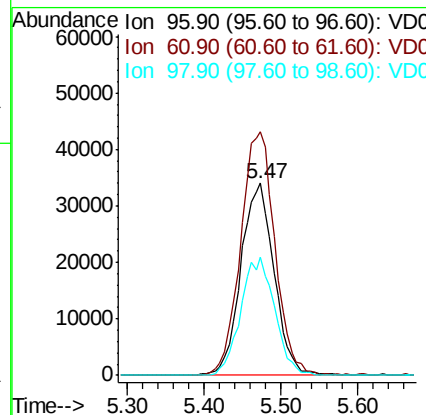
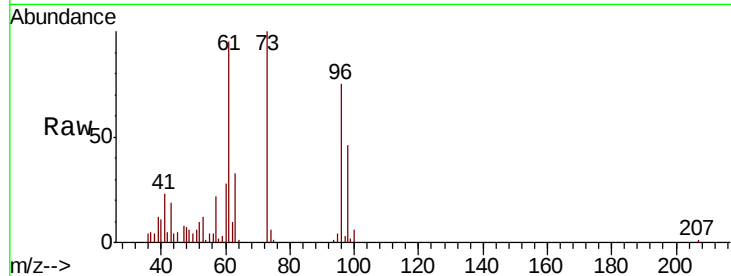
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	102614
Ion	Ratio	Lower	Upper
96	100		
61	126.9	105.8	158.6
98	61.6	50.1	75.1

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#22

Diisopropyl ether

Concen: 18.596 ug/l

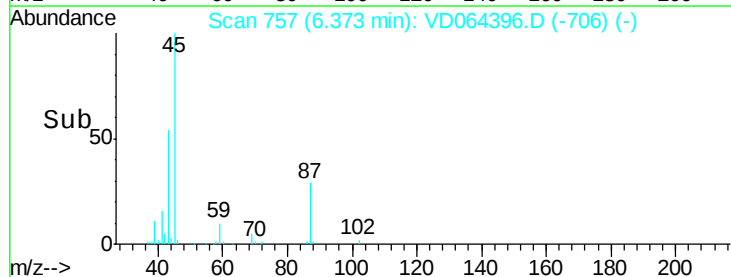
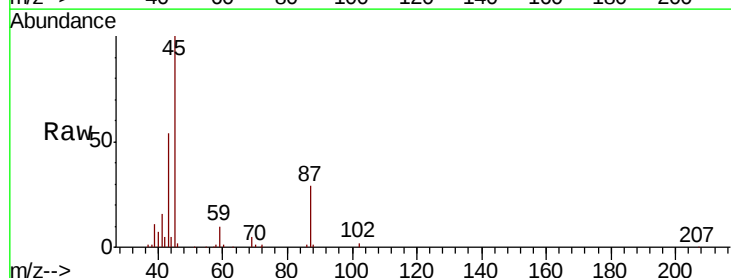
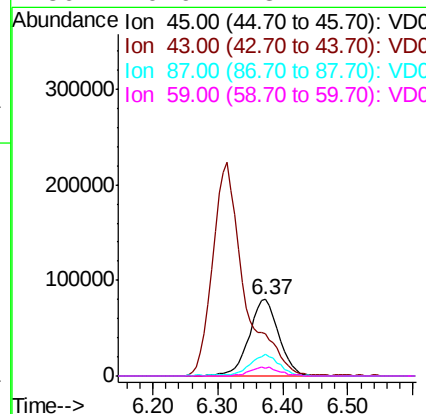
RT: 6.37 min Scan# 757

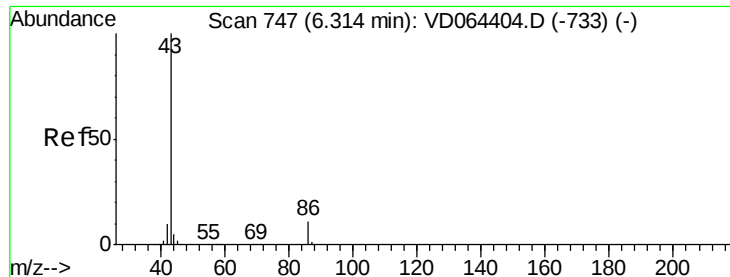
Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Tgt Ion:	45	Resp:	255415
Ion	Ratio	Lower	Upper
45	100		
43	53.3	43.1	64.7
87	28.8	23.5	35.3
59	9.9	8.2	12.2





#23

Vinyl Acetate

Concen: 92.648 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 750187

Ion Ratio Lower Upper

43 100

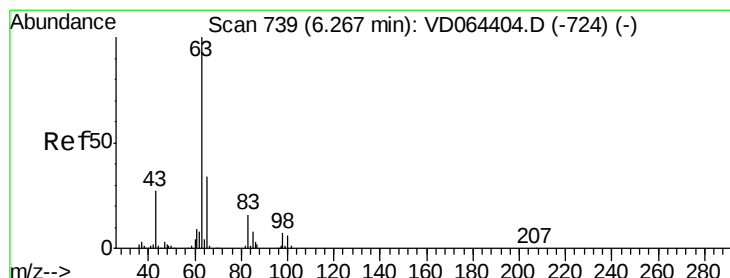
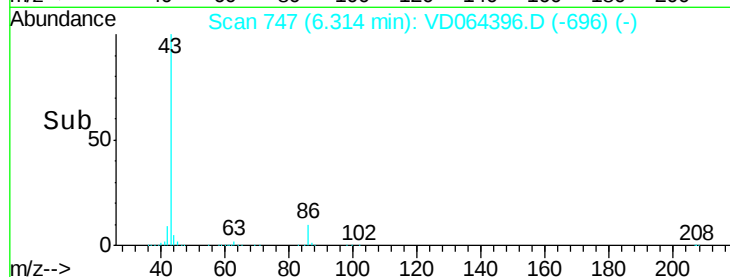
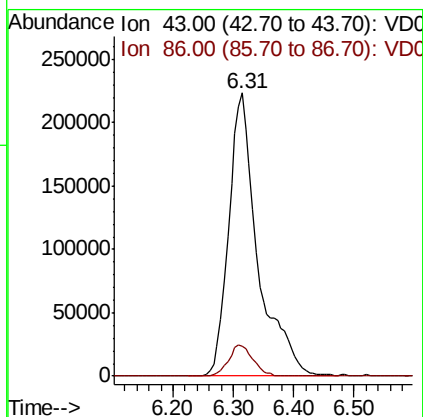
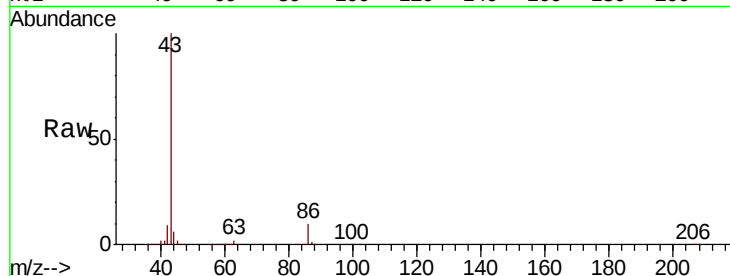
86 10.4 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 19.385 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

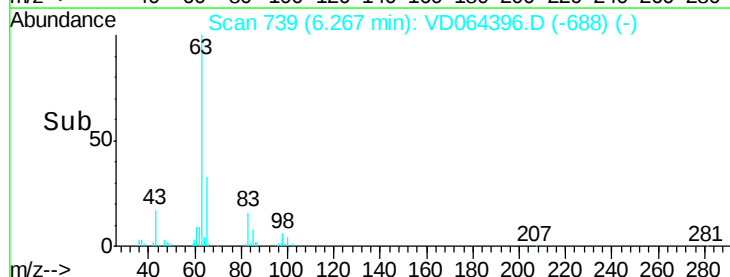
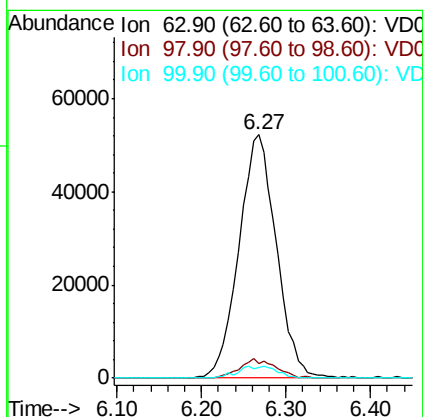
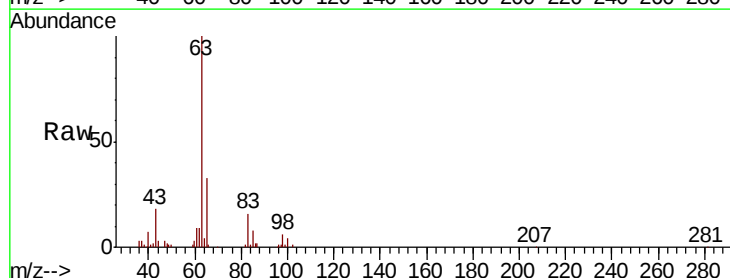
Tgt Ion: 63 Resp: 160118

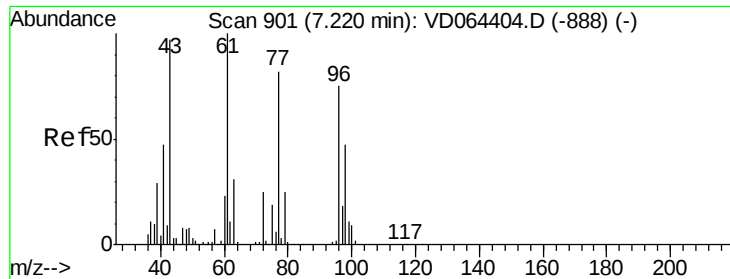
Ion Ratio Lower Upper

63 100

98 6.0 3.6 10.9

100 4.3 2.9 8.6





#25

2-Butanone

Concen: 95.771 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 122531

Ion Ratio Lower Upper

43 100

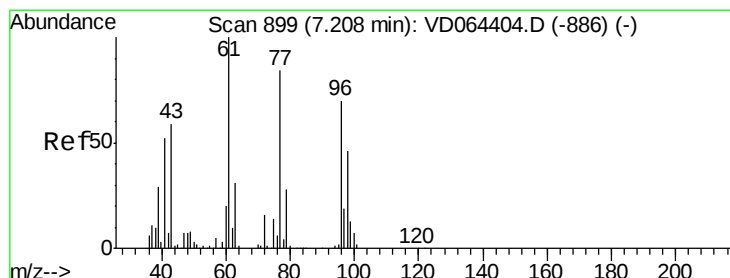
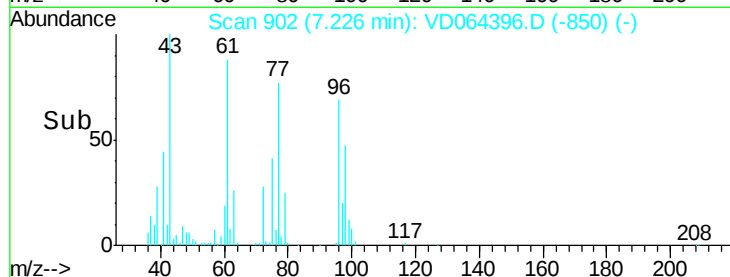
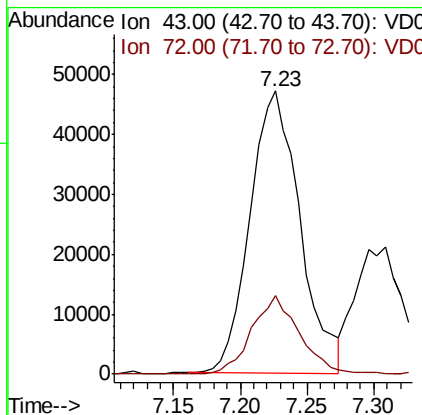
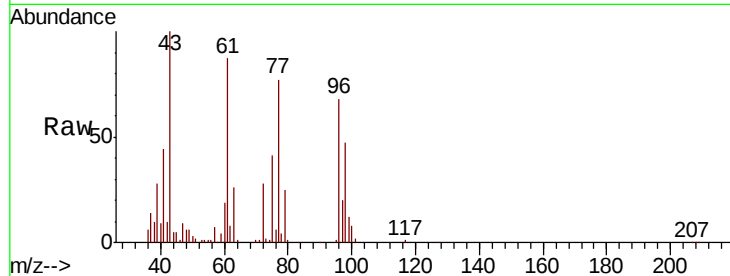
72 28.0 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 20.156 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064396.D

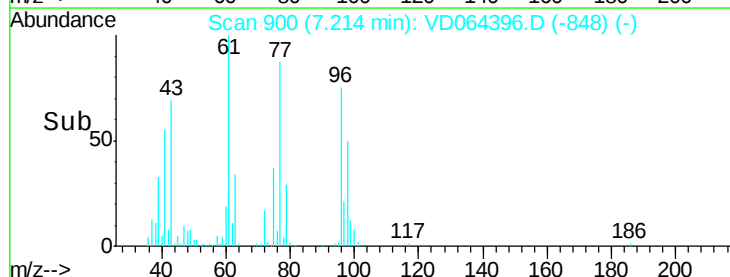
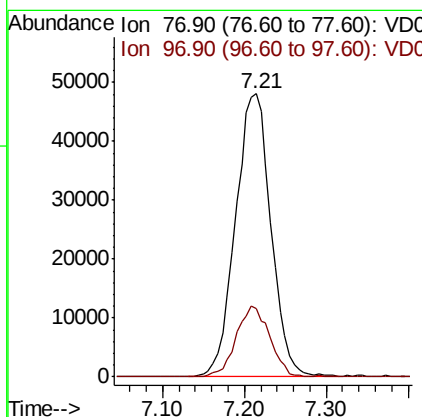
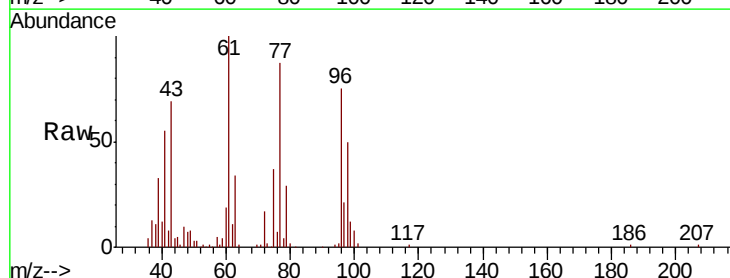
Acq: 27 Nov 2019 15:07

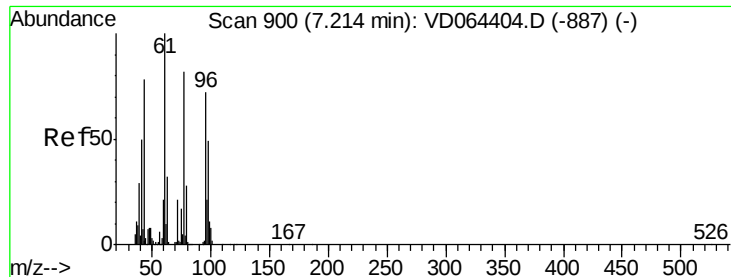
Tgt Ion: 77 Resp: 144784

Ion Ratio Lower Upper

77 100

97 23.7 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 19.036 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

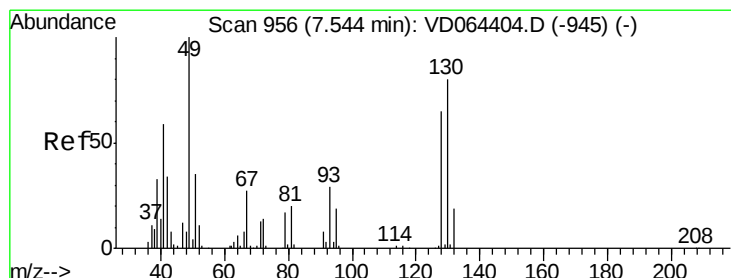
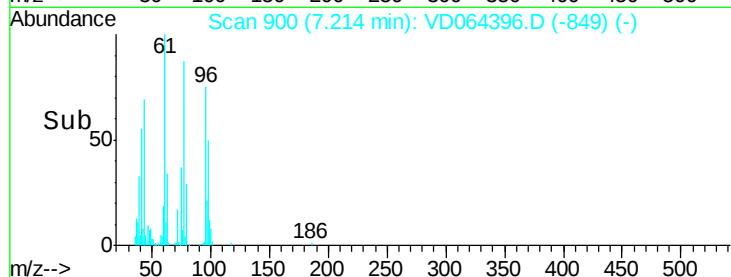
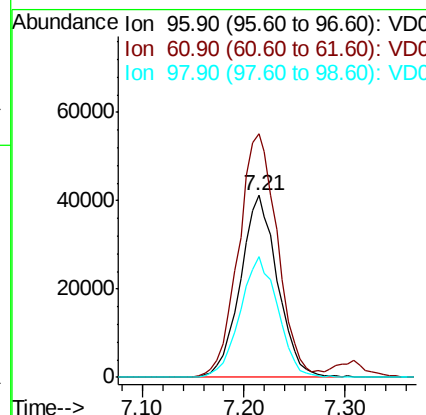
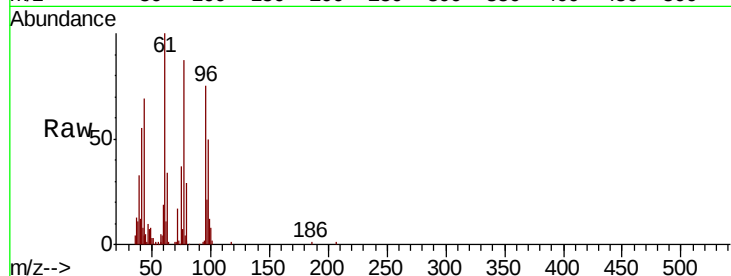
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	104654
Ion Ratio	Lower	Upper	
96	100		
61	140.8	0.0	279.6
98	67.1	0.0	129.2

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#28

Bromochloromethane

Concen: 10.068 ug/l

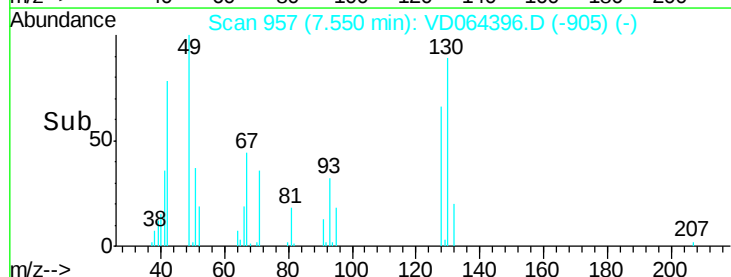
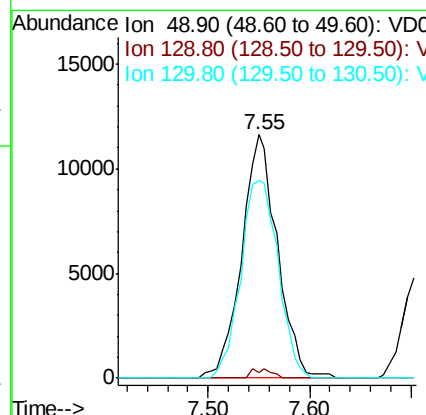
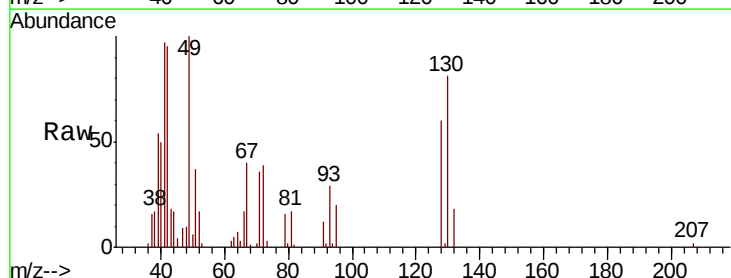
RT: 7.55 min Scan# 957

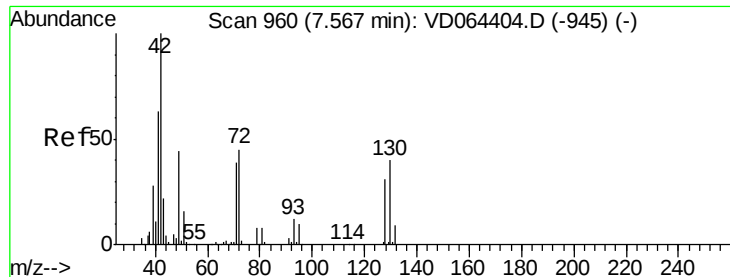
Delta R.T. 0.01 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Tgt Ion:	49	Resp:	28420
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.4
130	84.7	67.4	101.0





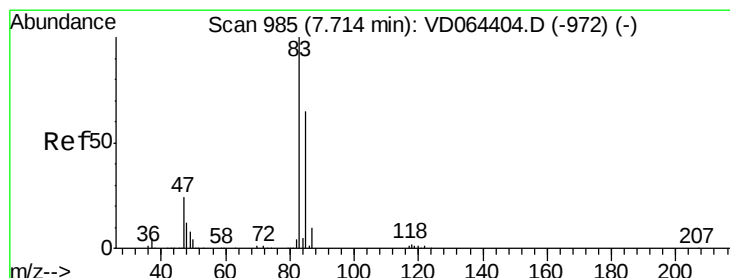
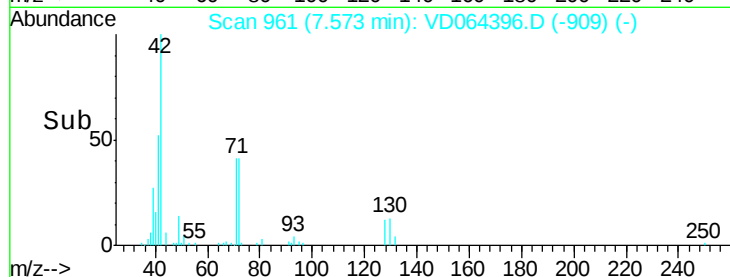
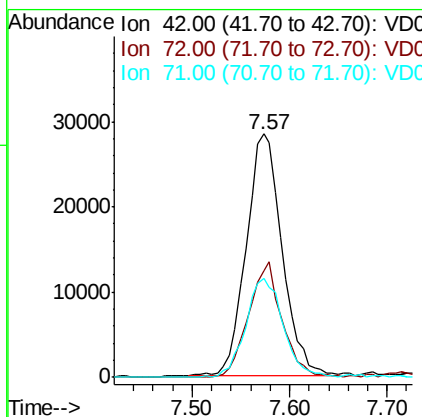
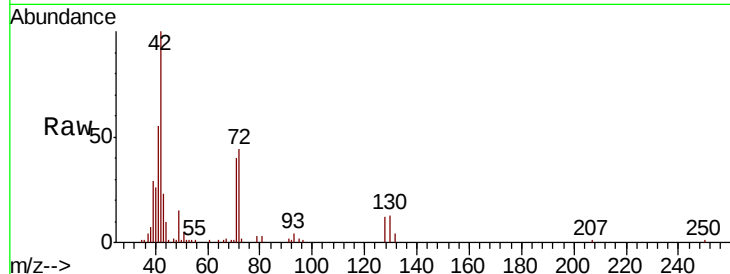
#29
Tetrahydrofuran
Concen: 90.074 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.8	53.8
71	42.6	32.7	49.1

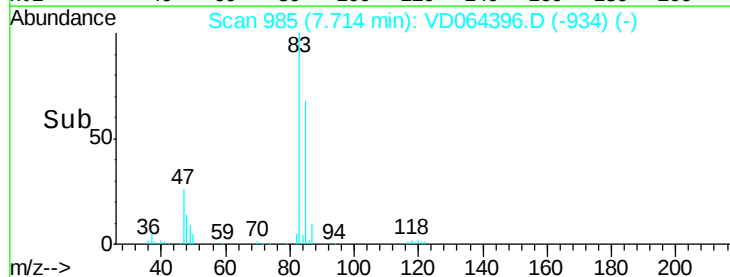
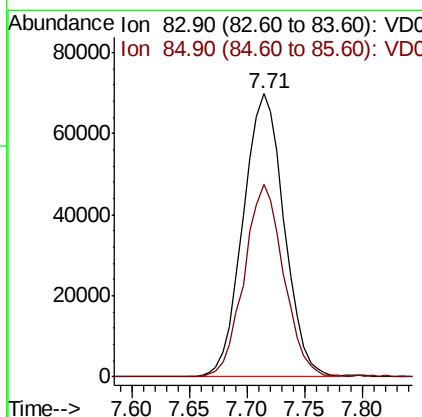
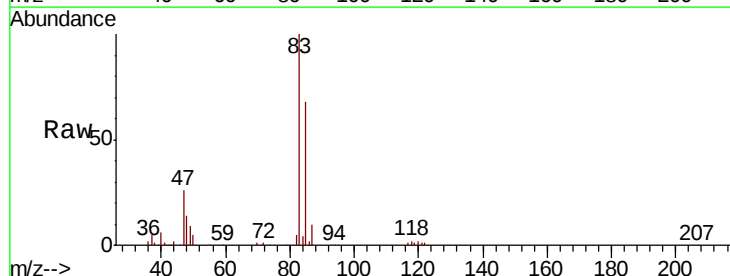
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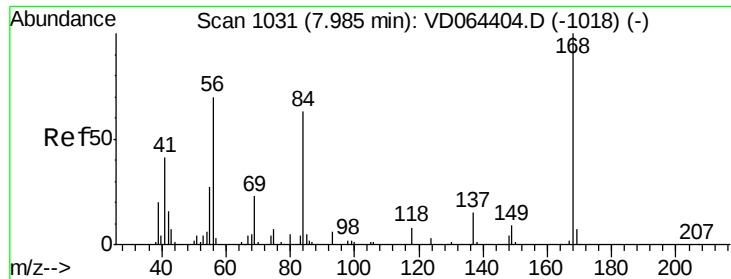
apatel
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#30
Chloroform
Concen: 20.206 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	51.8	77.6





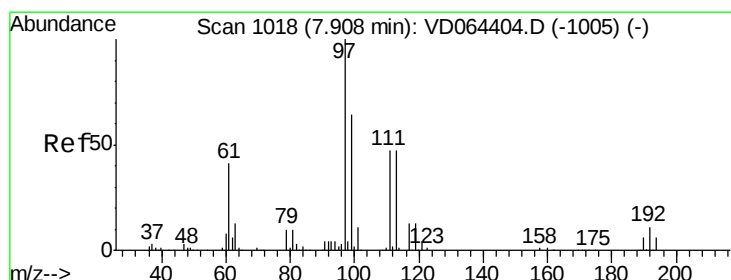
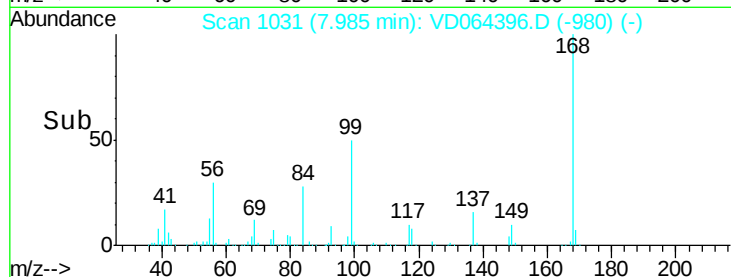
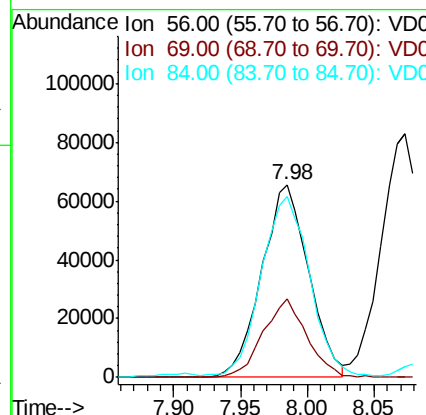
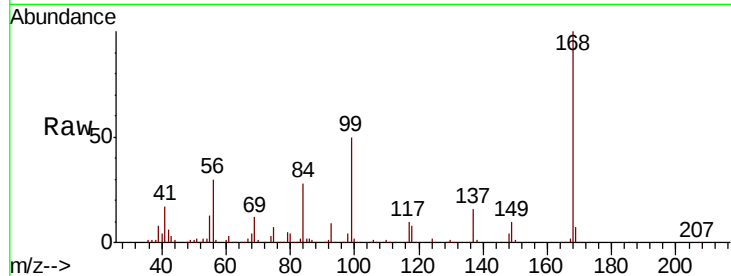
#31
Cyclohexane
Concen: 19.397 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		160130		
69	40.0	26.2		39.4#	
84	92.5	70.3		105.5	

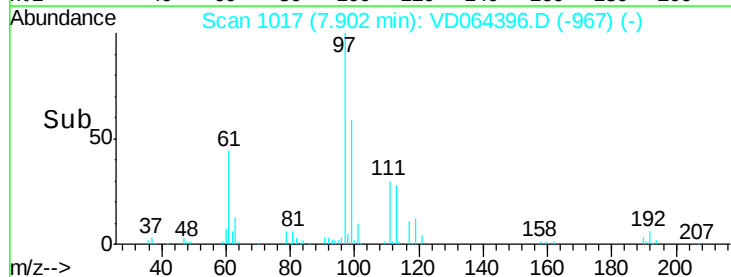
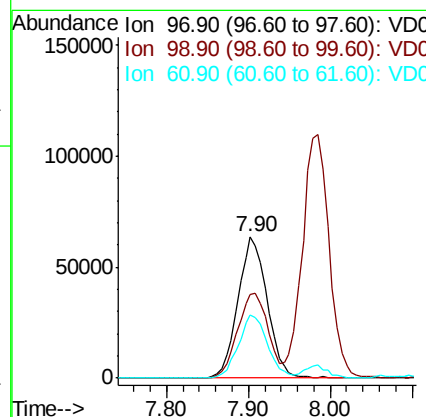
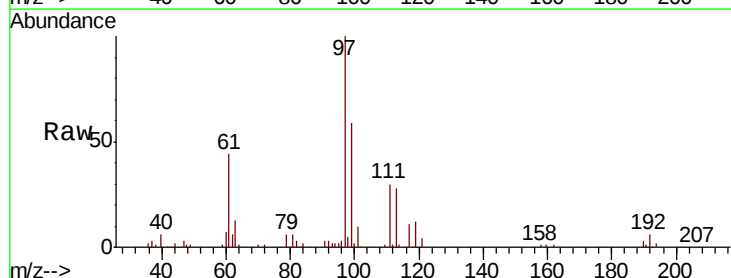
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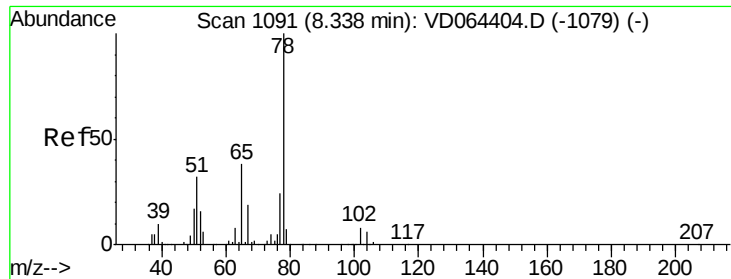
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#32
1,1,1-Trichloroethane
Concen: 20.023 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		158800		
99	62.2	51.4		77.2	
61	44.3	35.0		52.4	





#33

1,2-Dichloroethane-d4

Concen: 17.522 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 78445

Ion Ratio Lower Upper

65 100

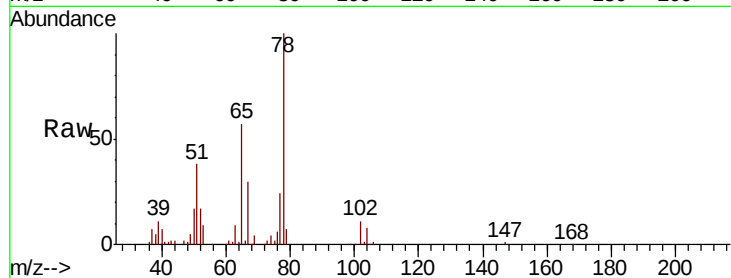
67 53.8 0.0 102.0

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

40000

30000

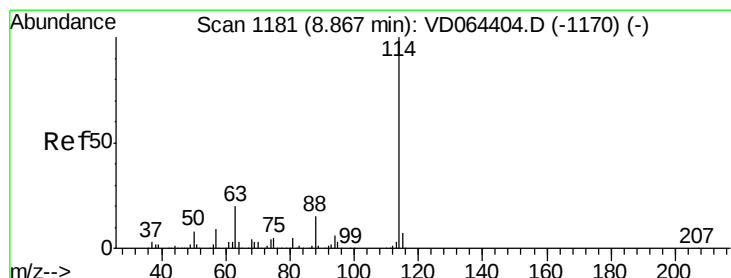
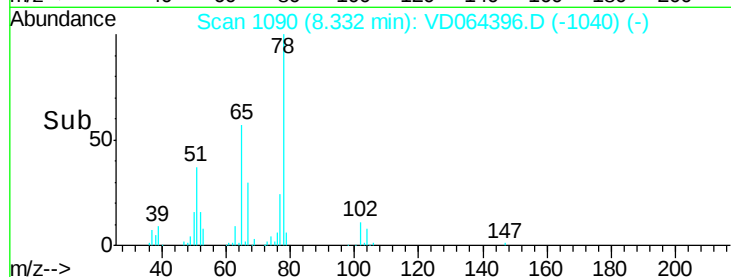
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

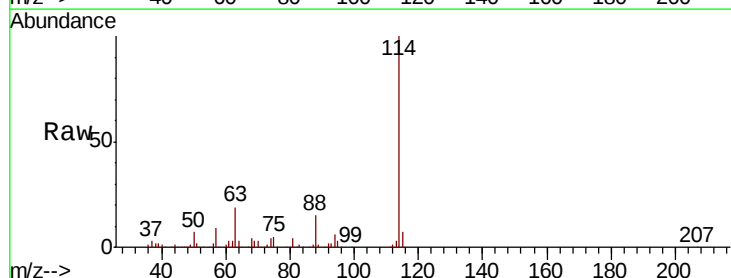
Tgt Ion: 114 Resp: 699645

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 14.5 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

8.87

400000

300000

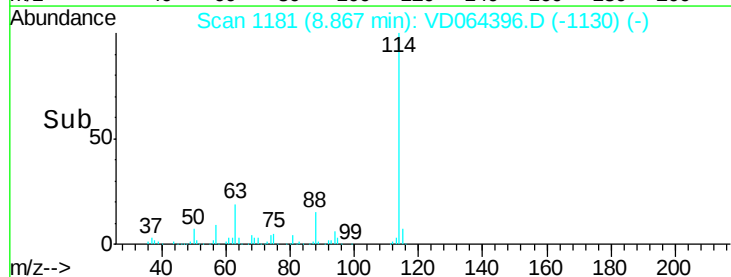
200000

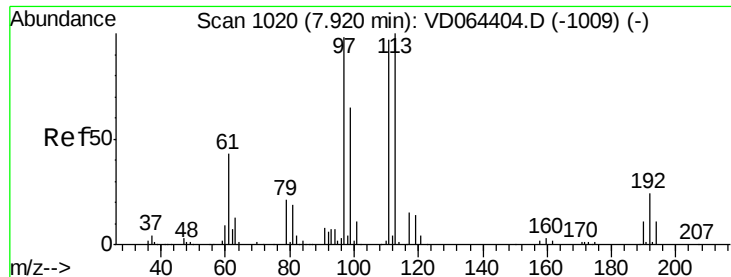
100000

0

8.80 8.90 9.00

Time-->





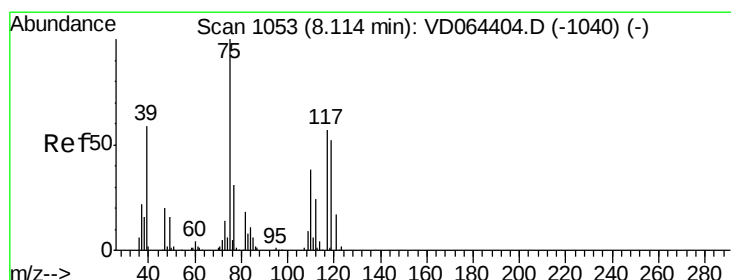
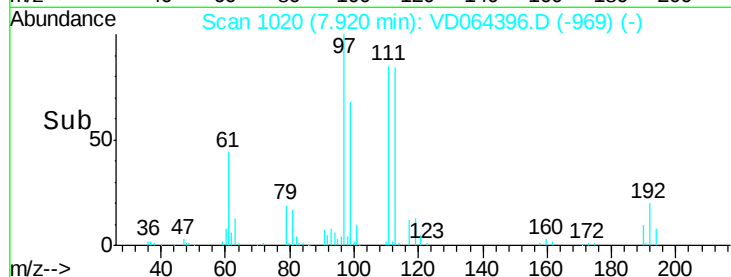
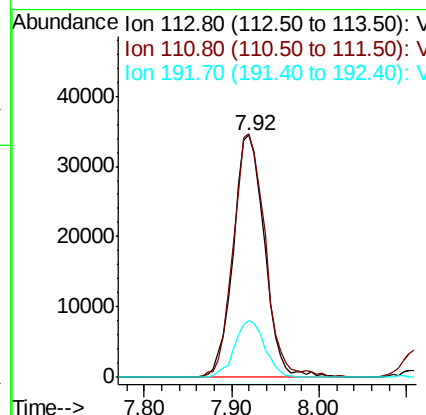
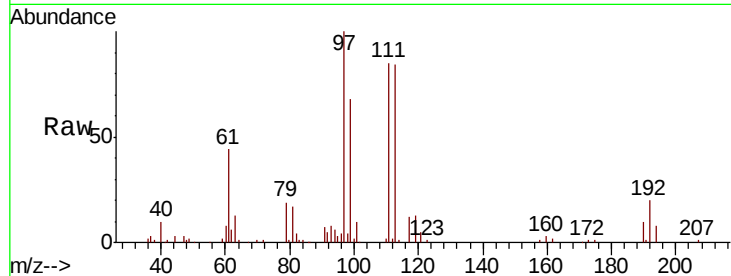
#35
 Dibromofluoromethane
 Concen: 18.834 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064396.D
 Acq: 27 Nov 2019 15:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	79.4	119.2
192	22.5	18.6	28.0

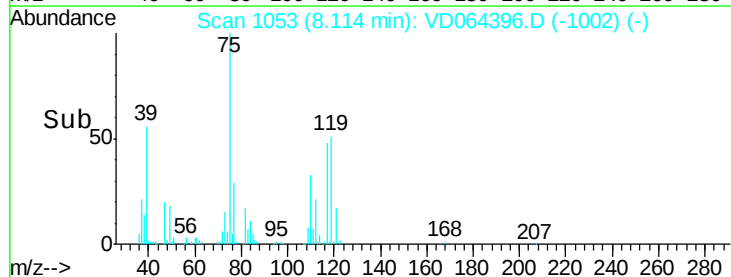
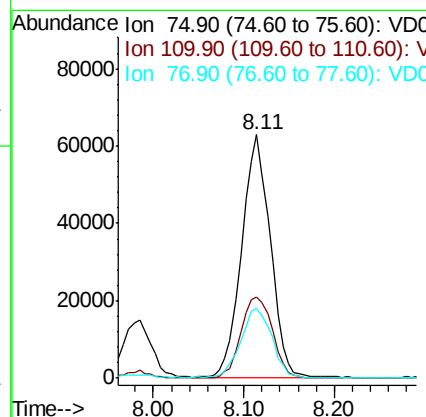
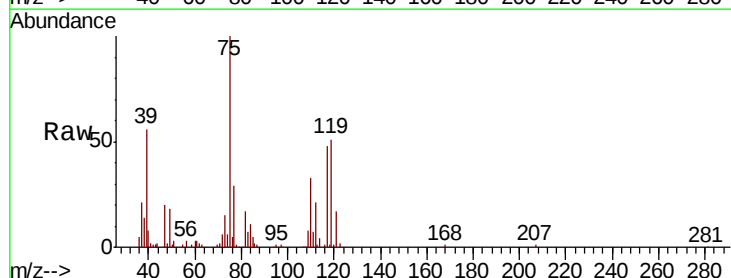
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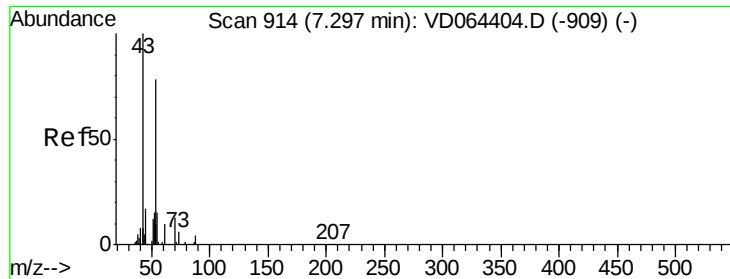
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#36
 1,1-Dichloropropene
 Concen: 20.881 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064396.D
 Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.6	55.8
77	31.2	25.0	37.4





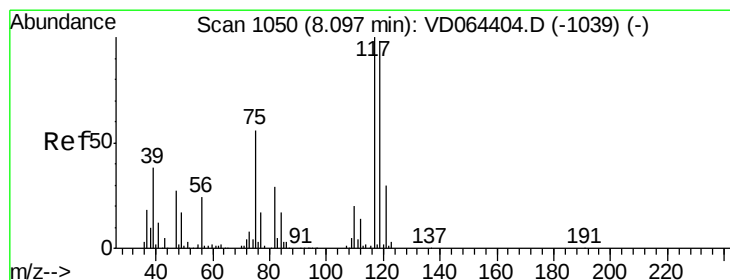
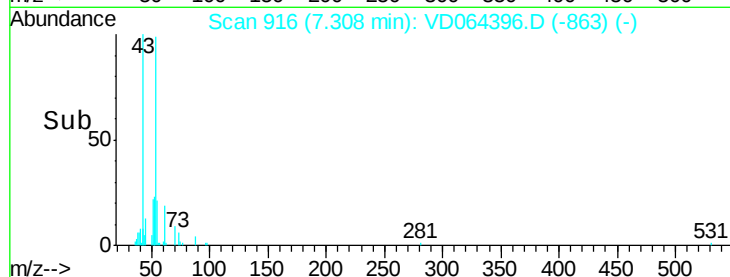
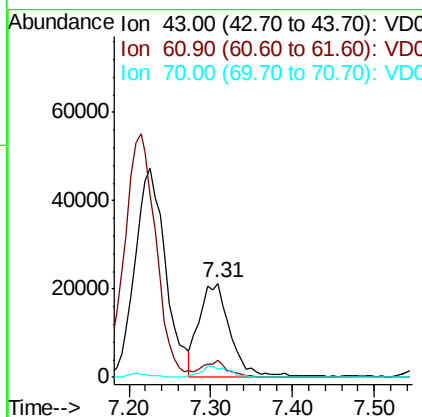
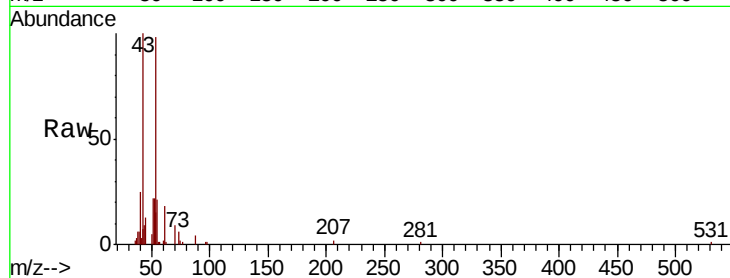
#37
Ethyl Acetate
Concen: 20.193 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	10.4	8.3	12.5

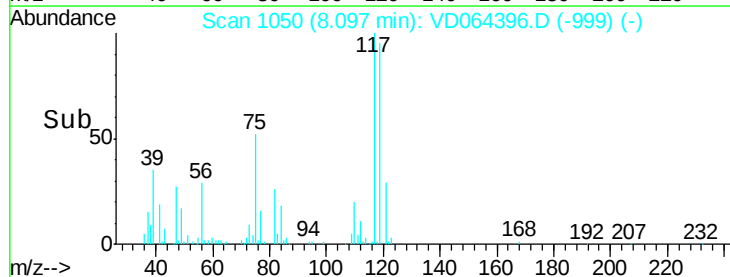
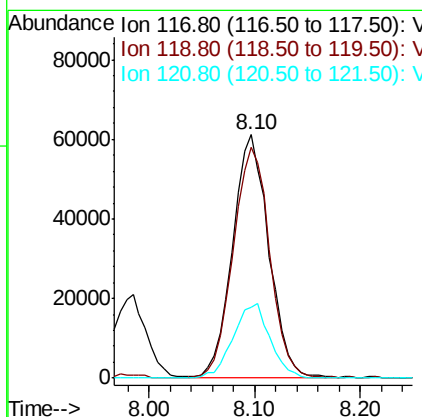
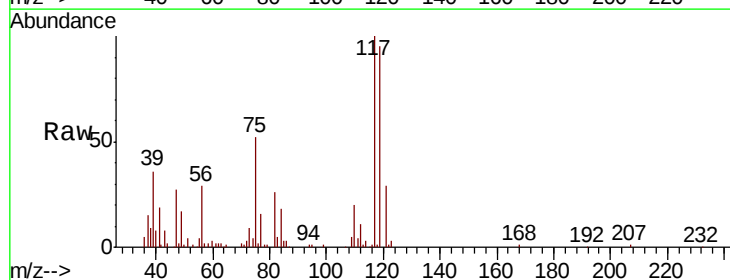
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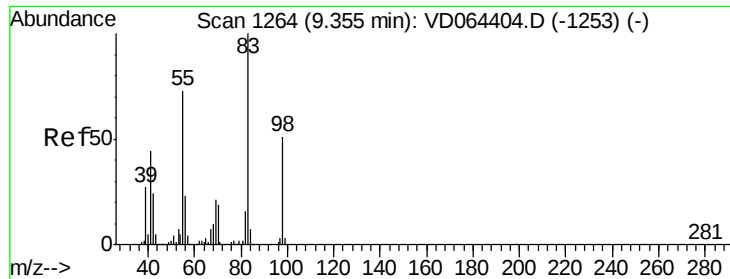
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#38
Carbon Tetrachloride
Concen: 20.752 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	78.8	118.2
121	29.2	24.2	36.2





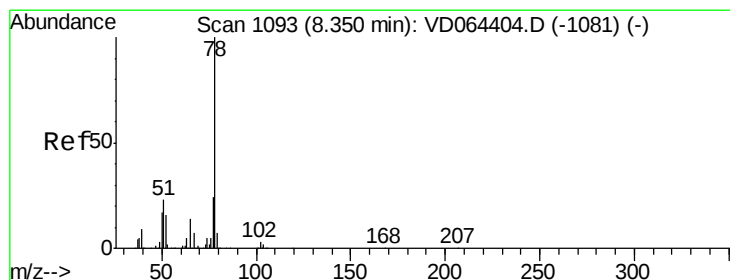
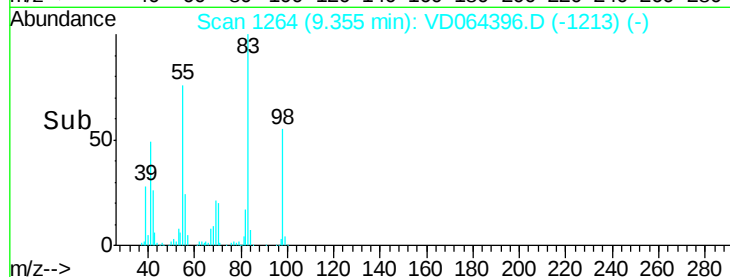
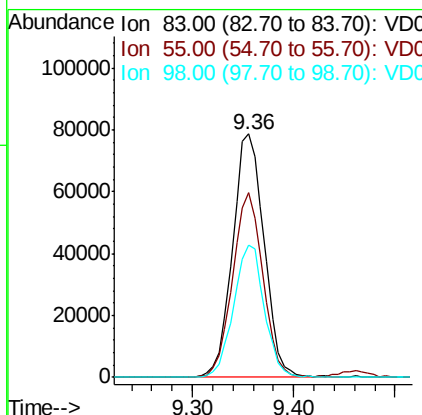
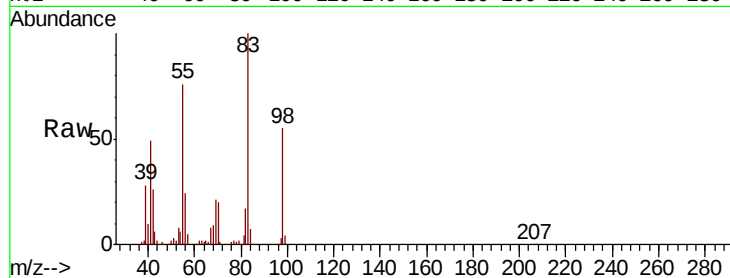
#39
Methvlcvclohexane
Concen: 20.607 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	58.6	87.8
98	54.6	40.9	61.3

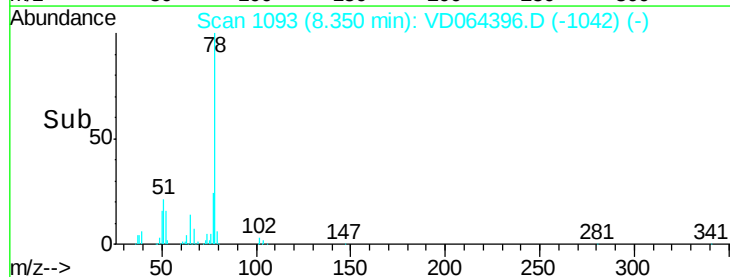
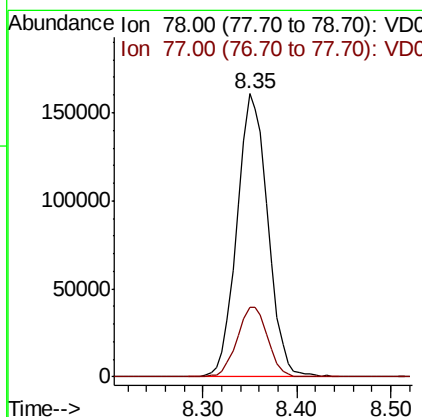
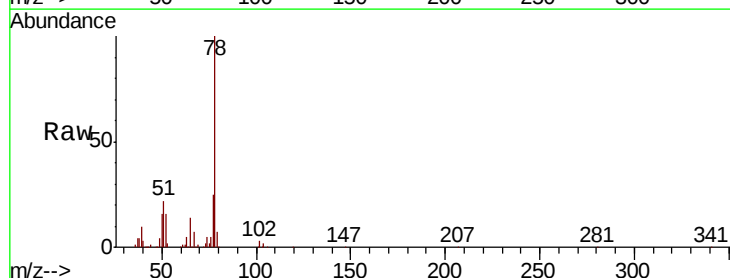
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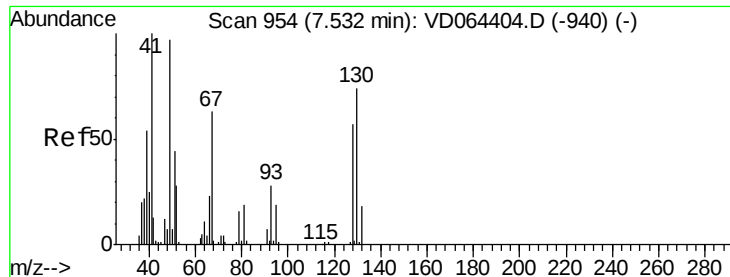
apatel
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#40
Benzene
Concen: 19.835 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.6	29.4





#41

Methacrylonitrile

Concen: 20.600 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

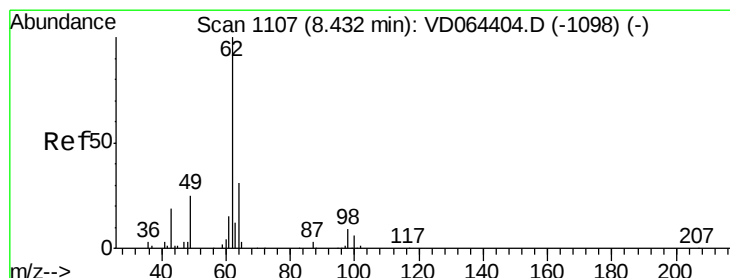
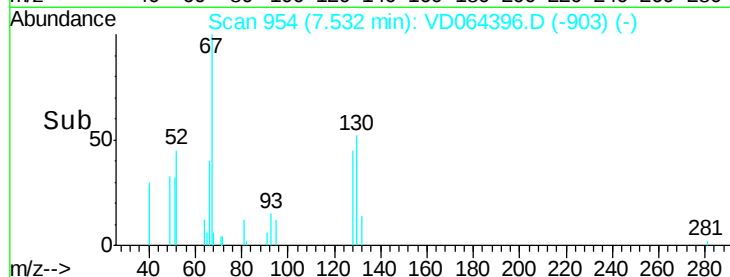
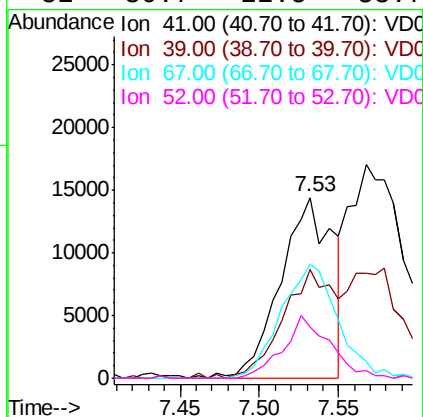
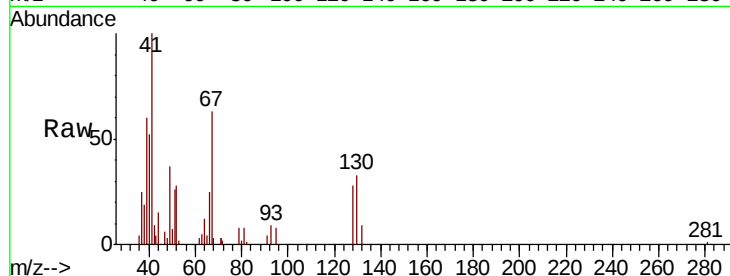
ClientSampled :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.2	44.6	67.0	
67	68.8	50.9	76.3	
52	30.7	22.5	33.7	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.901 ug/l

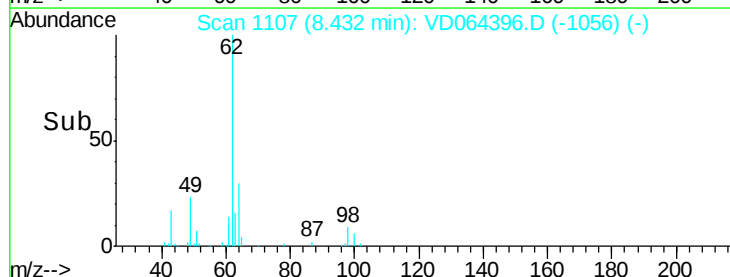
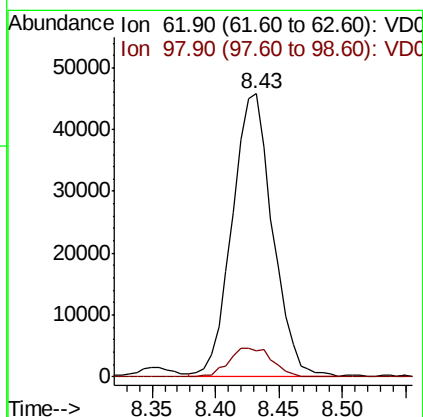
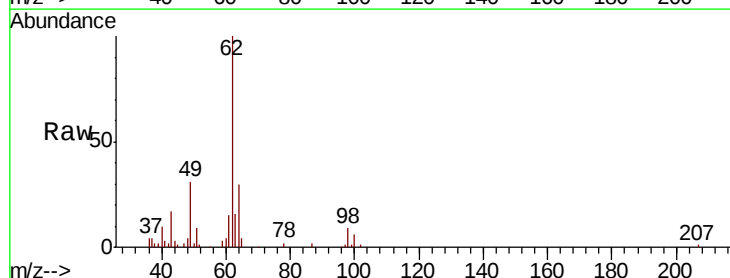
RT: 8.43 min Scan# 1107

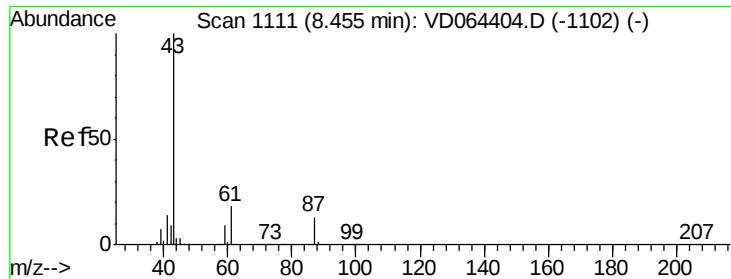
Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.0	0.0	20.6	





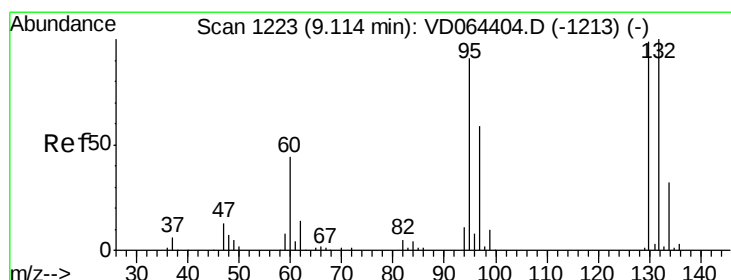
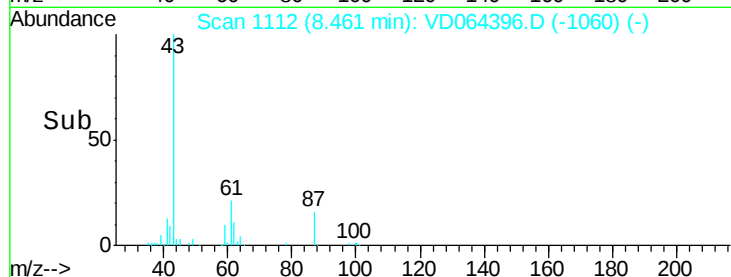
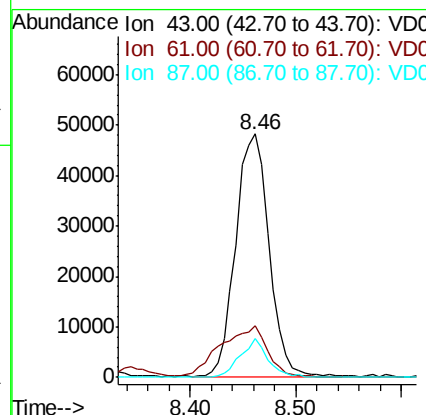
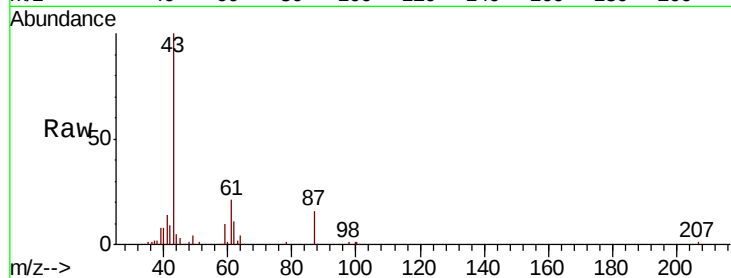
#43
Isopropyl Acetate
Concen: 19.233 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.0	36.0
87	13.1	10.6	15.8

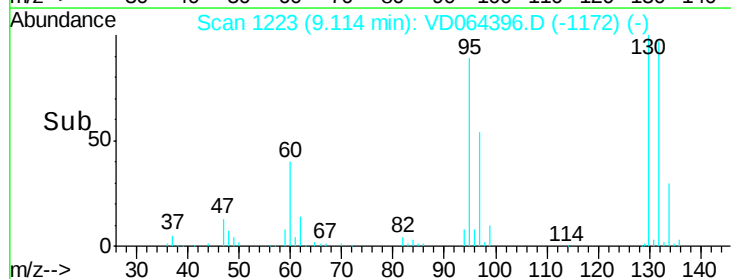
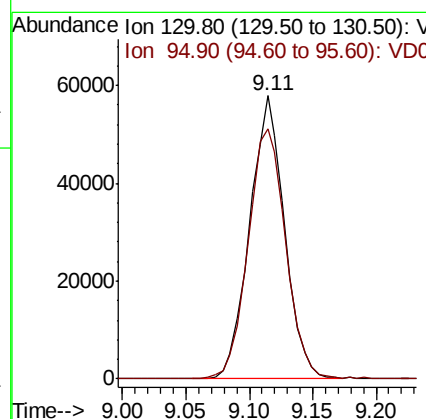
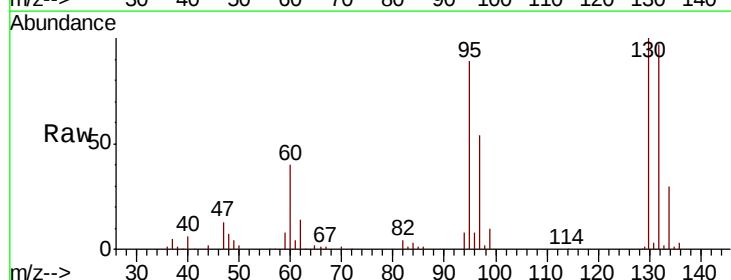
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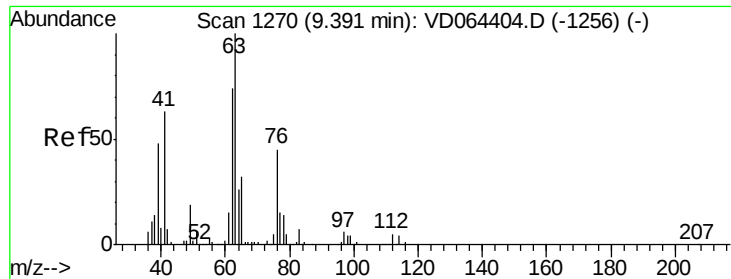
apatel
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#44
Trichloroethene
Concen: 19.913 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.6	0.0	184.6





#45

1,2-Dichloropropane

Concen: 19.982 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 87837

Ion Ratio Lower Upper

63 100

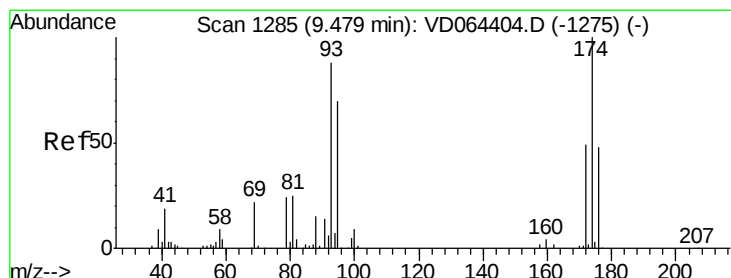
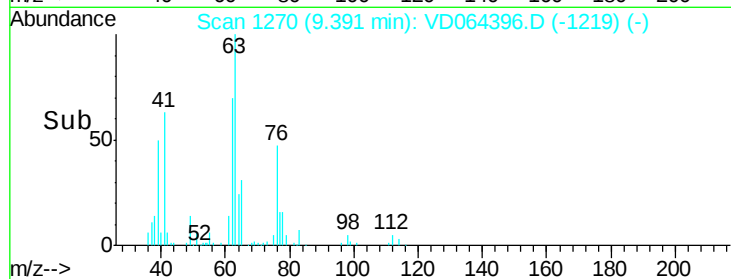
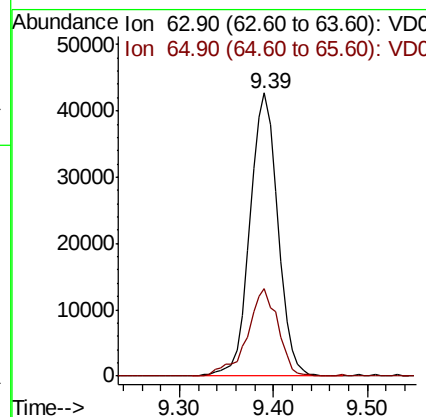
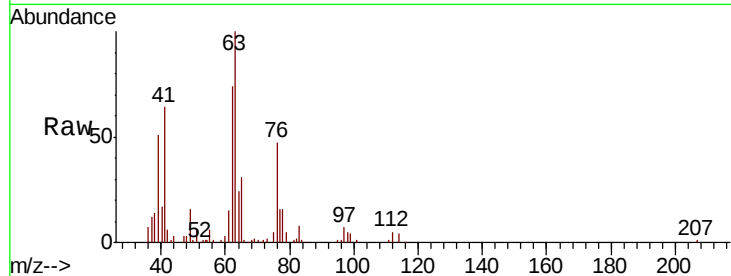
65 31.0 25.4 38.0

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#46

Dibromomethane

Concen: 18.842 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

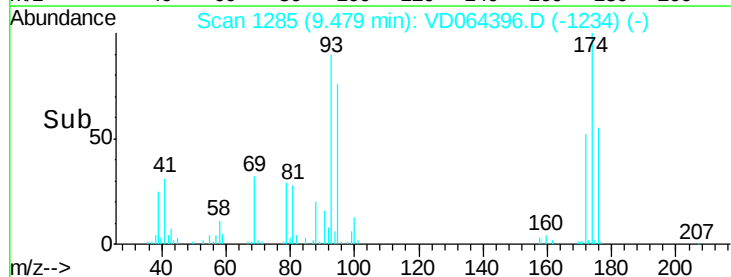
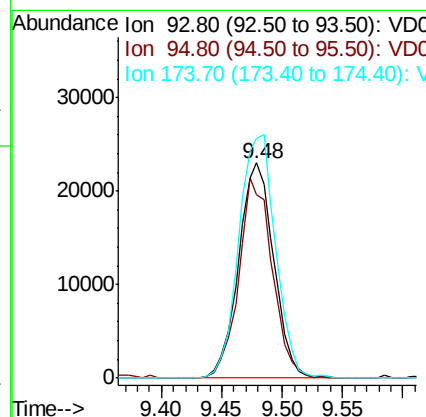
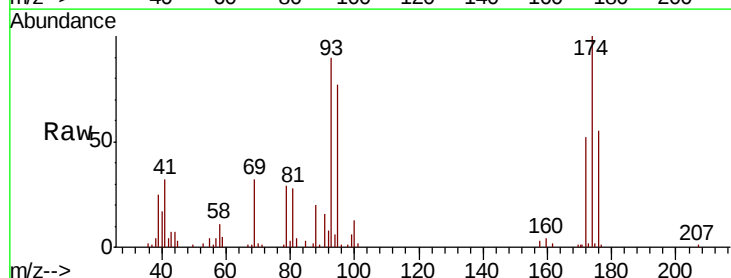
Tgt Ion: 93 Resp: 46746

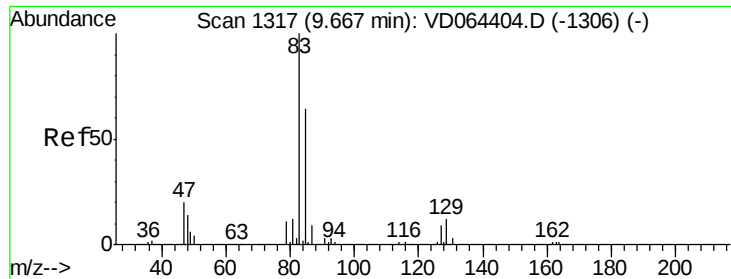
Ion Ratio Lower Upper

93 100

95 88.2 66.7 100.1

174 118.3 92.3 138.5





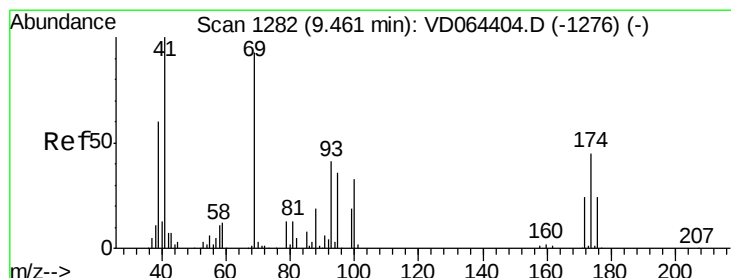
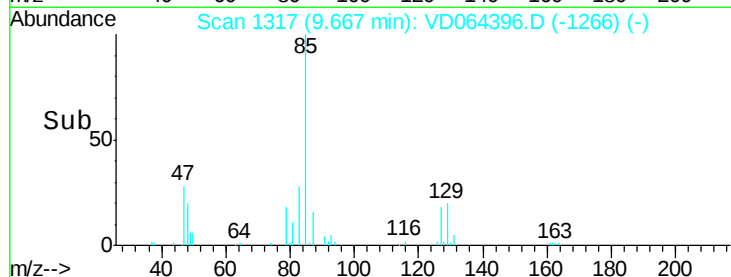
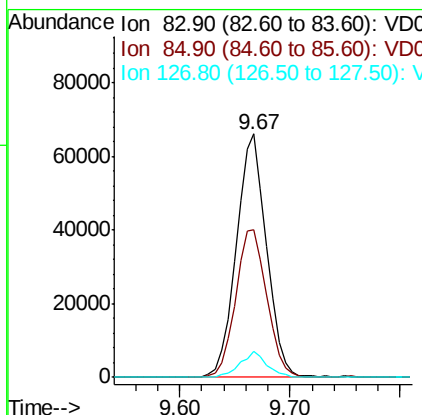
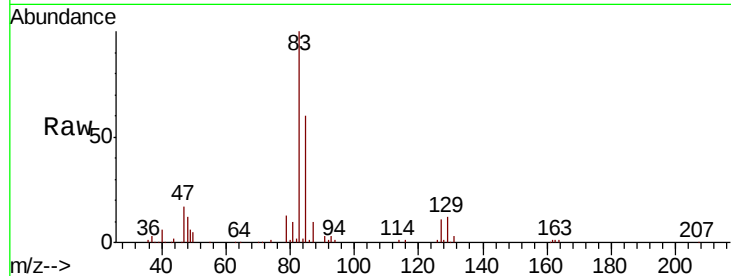
#47
Bromodichloromethane
Concen: 19.871 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	126672
Ion Ratio	100		
85	60.4	51.1	76.7
127	10.8	7.4	11.0

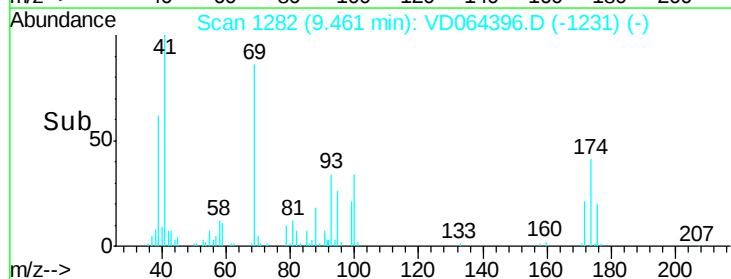
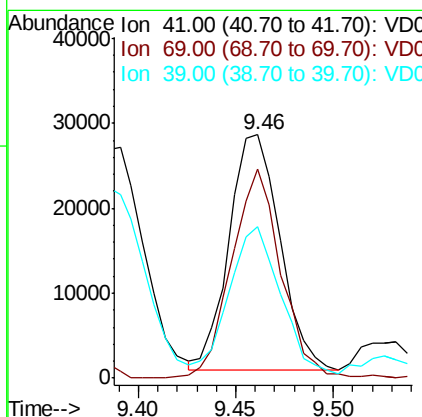
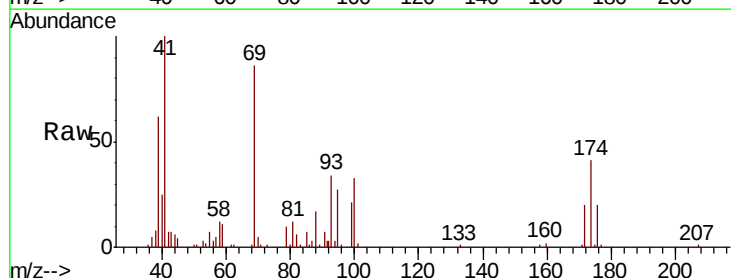
Manual Integrations
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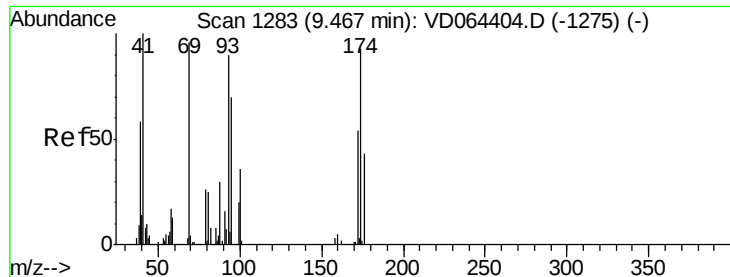
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#48
Methyl methacrylate
Concen: 19.946 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	41	Resp	50391
Ion Ratio	100		
69	86.1	72.0	108.0
39	61.8	55.2	82.8





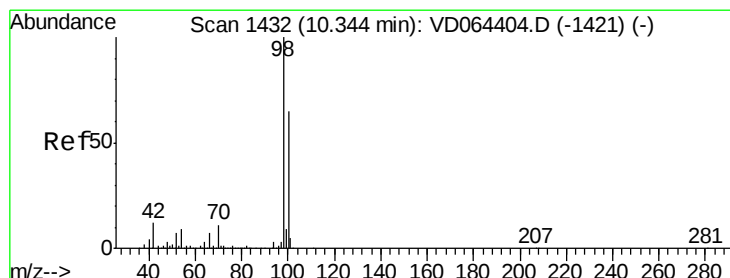
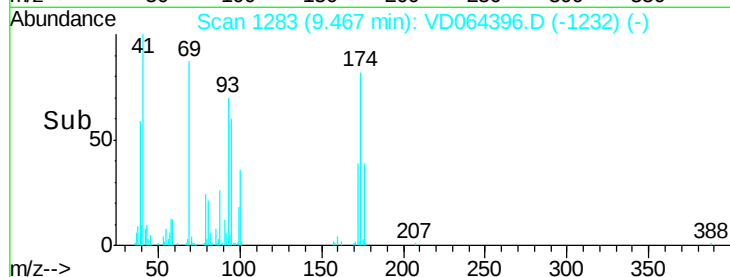
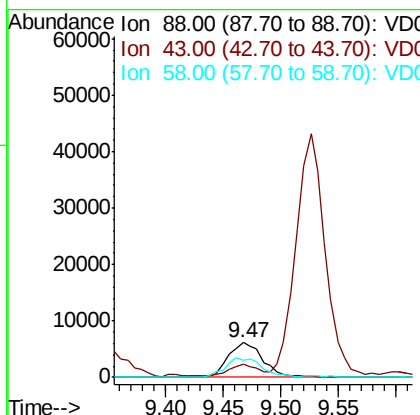
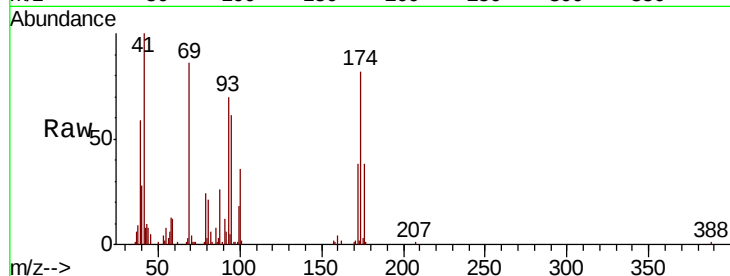
#49
1,4-Dioxane
Concen: 423.683 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	26.7	40.1
58	58.3	52.3	78.5

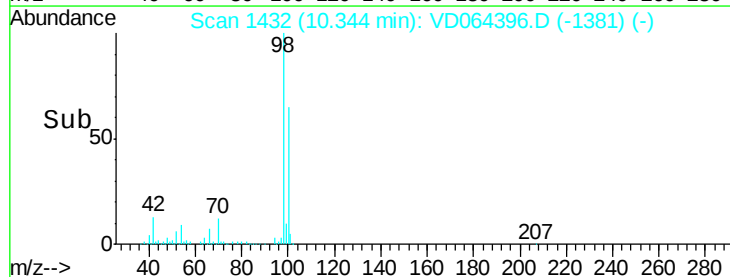
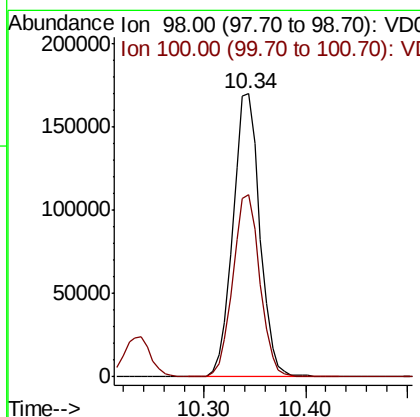
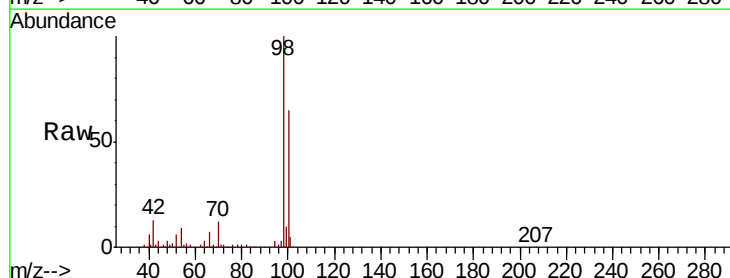
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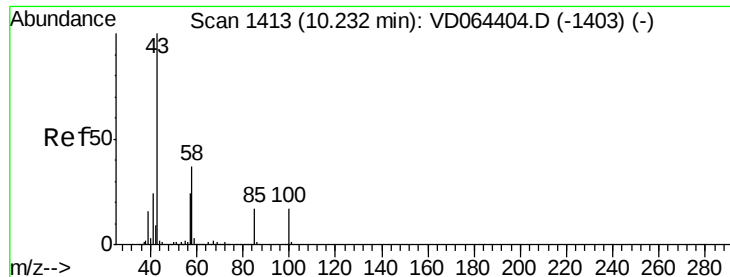
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#50
Toluene-d8
Concen: 18.849 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 96.546 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 263742

Ion Ratio Lower Upper

43 100

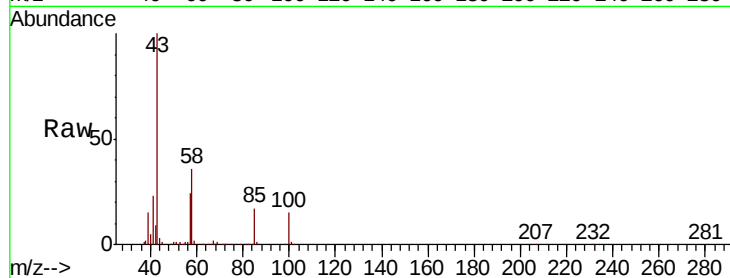
58 37.1 30.6 46.0

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

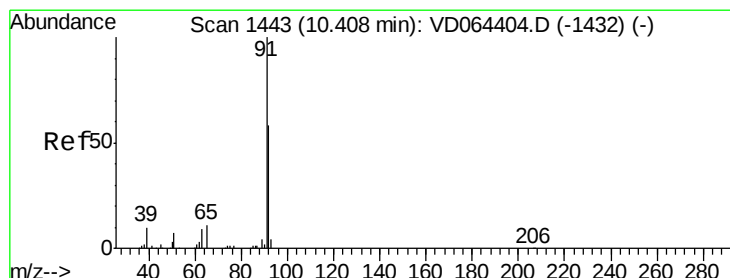
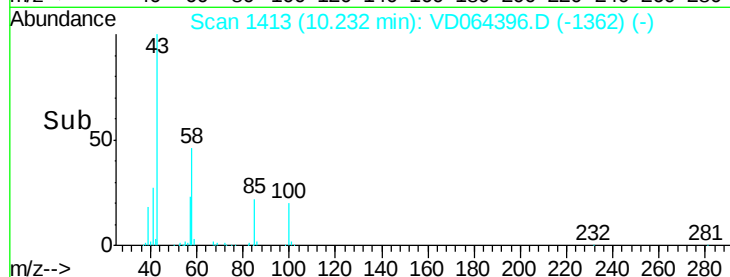
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.087 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064396.D

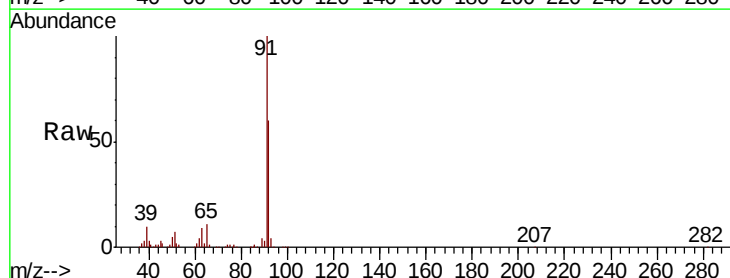
Acq: 27 Nov 2019 15:07

Tgt Ion: 92 Resp: 240610

Ion Ratio Lower Upper

92 100

91 168.2 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

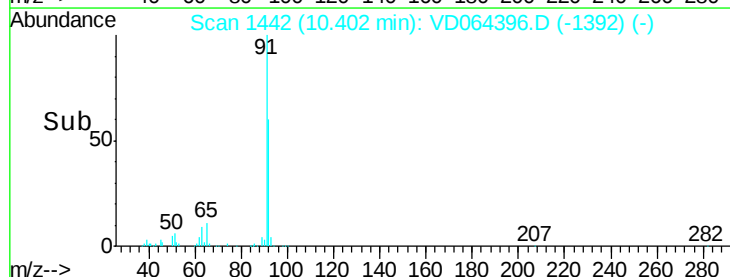
150000

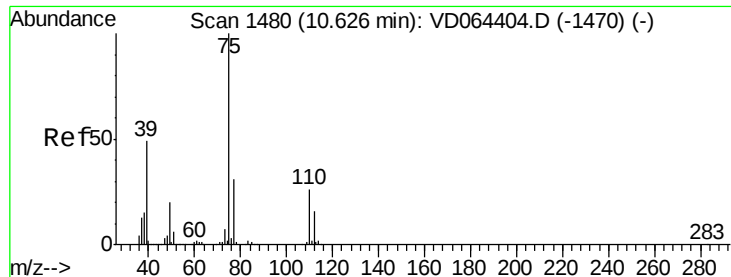
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.047 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 115717

Ion Ratio Lower Upper

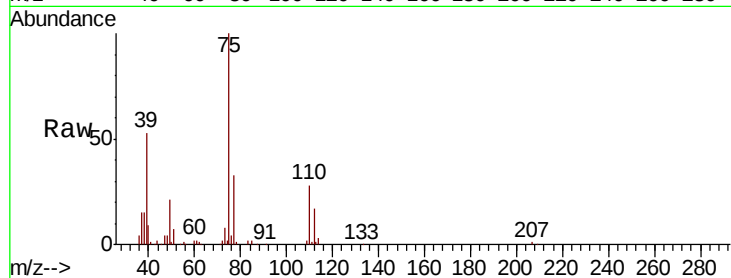
75 100

77 32.9 25.0 37.4

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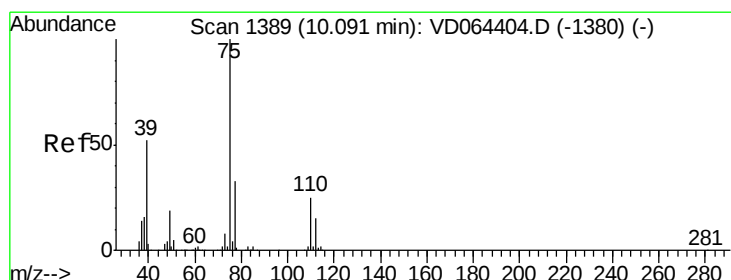
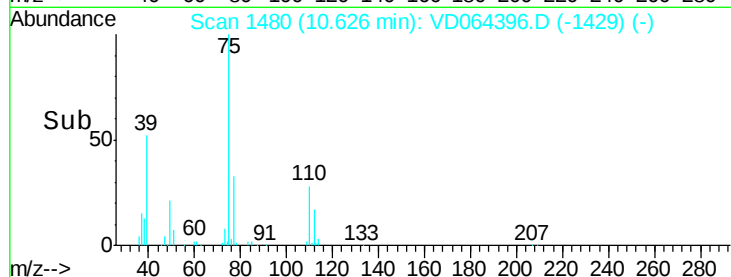
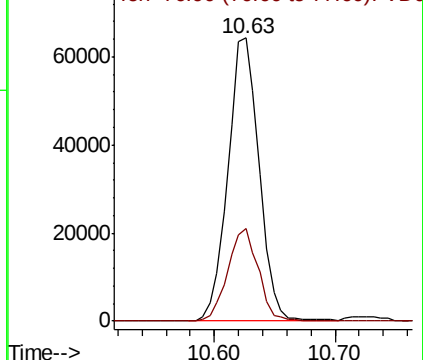
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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.200 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

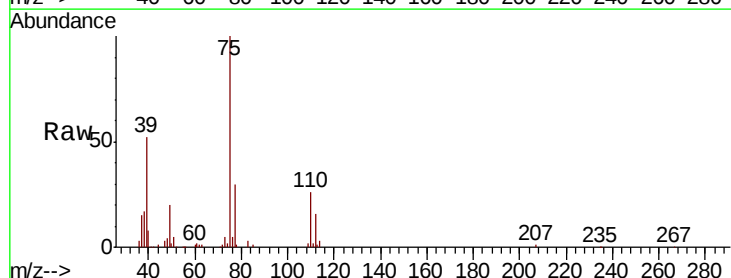
Tgt Ion: 75 Resp: 138573

Ion Ratio Lower Upper

75 100

77 30.0 26.1 39.1

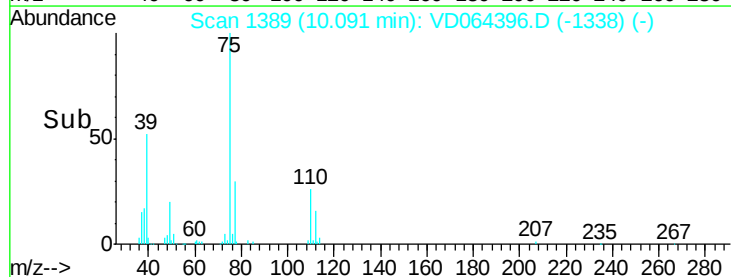
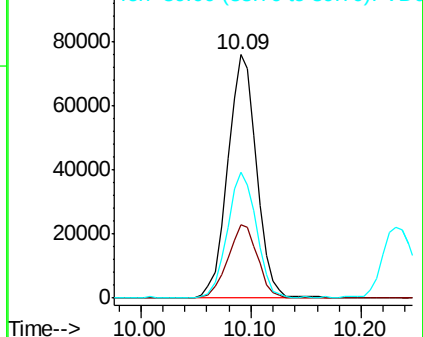
39 51.5 41.5 62.3

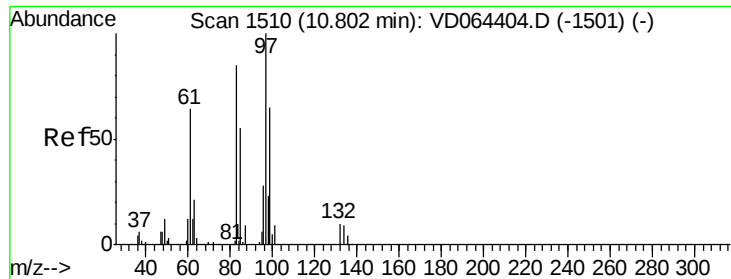


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





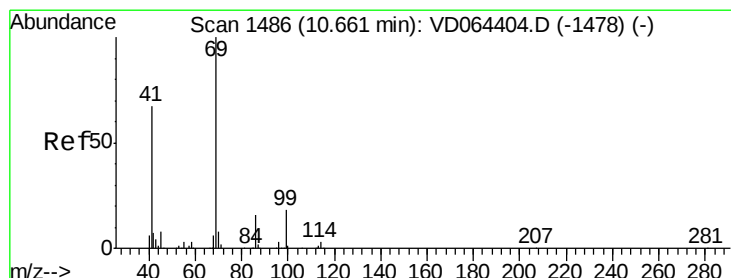
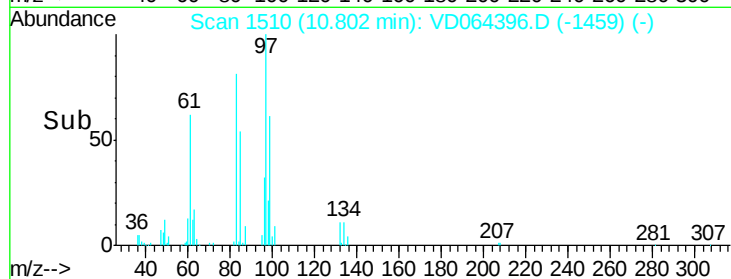
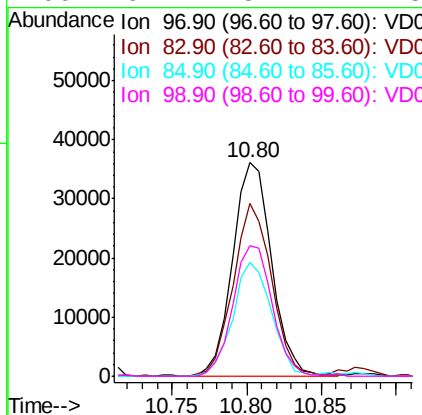
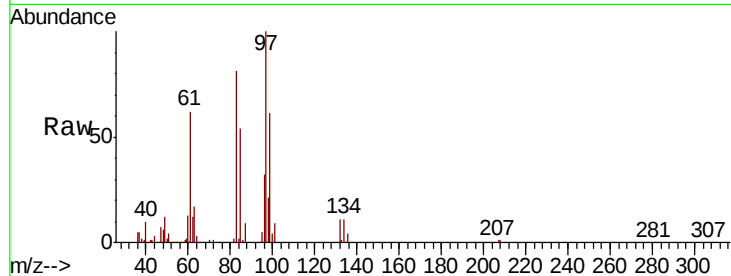
#55
 1,1,2-Trichloroethane
 Concen: 19.356 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064396.D
 Acq: 27 Nov 2019 15:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	65755
Ion	Ratio	Lower	Upper
97	100		
83	80.7	67.8	101.8
85	53.6	43.7	65.5
99	61.1	51.7	77.5

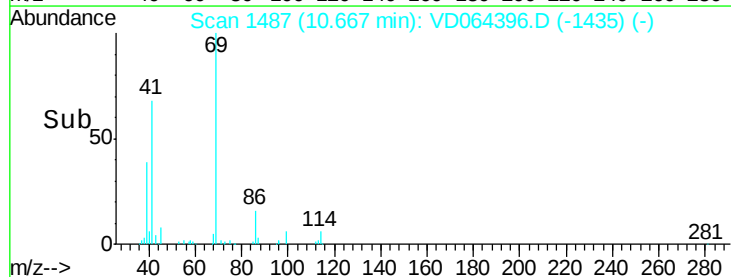
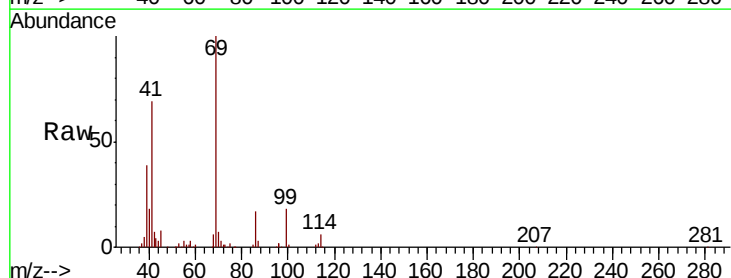
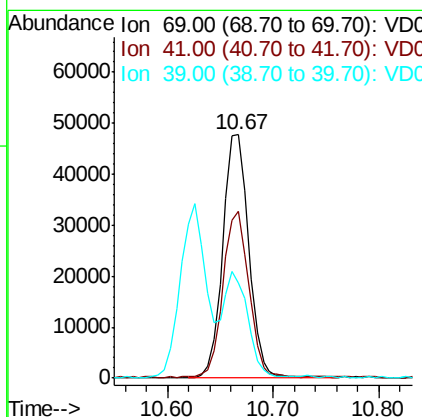
Manual Integrations
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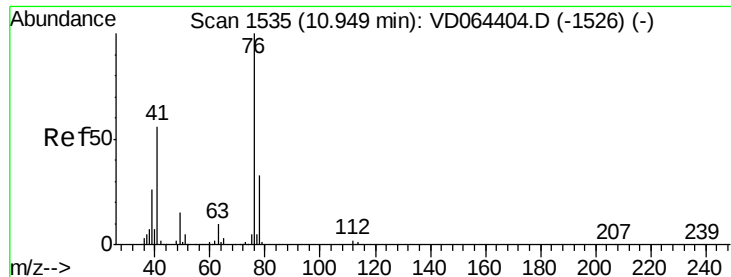
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#56
 Ethyl methacrylate
 Concen: 18.939 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064396.D
 Acq: 27 Nov 2019 15:07

Tgt Ion:	69	Resp:	82058
Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.0	82.4
39	41.2	33.0	49.6





#57

1,3-Dichloropropane

Concen: 19.495 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 112736

Ion Ratio Lower Upper

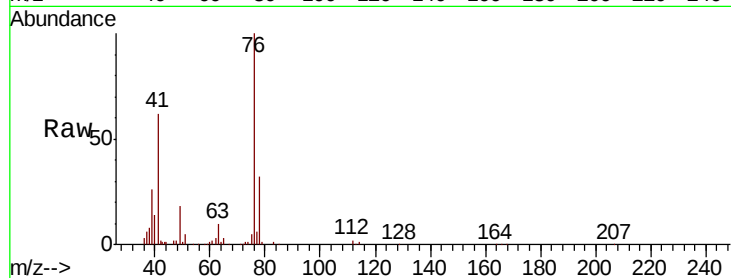
76 100

78 32.5 26.0 39.0

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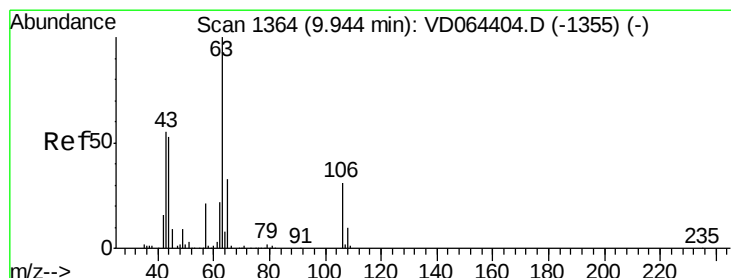
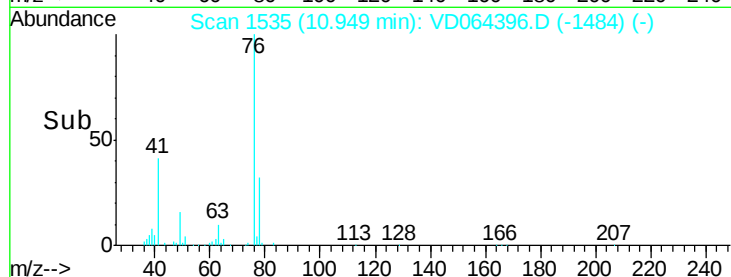
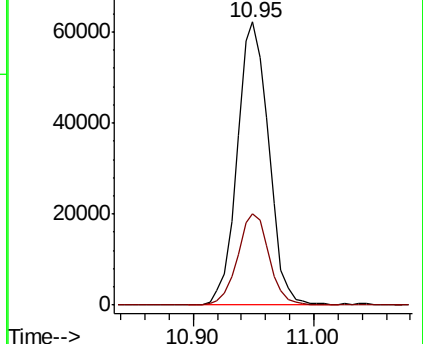
apatel

12/2/2019 10:56:13 AM



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: 98.271 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064396.D

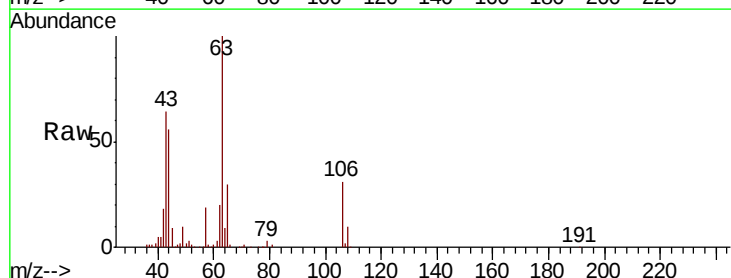
Acq: 27 Nov 2019 15:07

Tgt Ion: 63 Resp: 169736

Ion Ratio Lower Upper

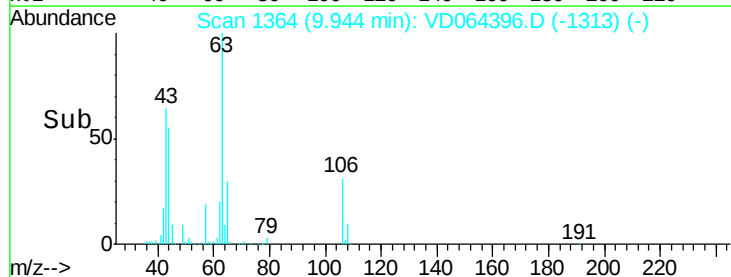
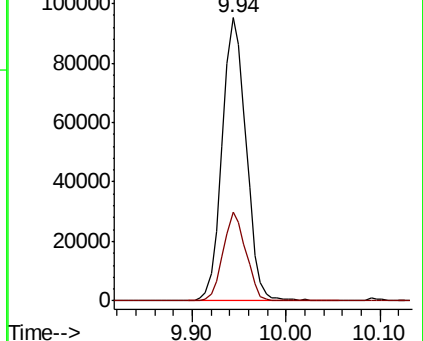
63 100

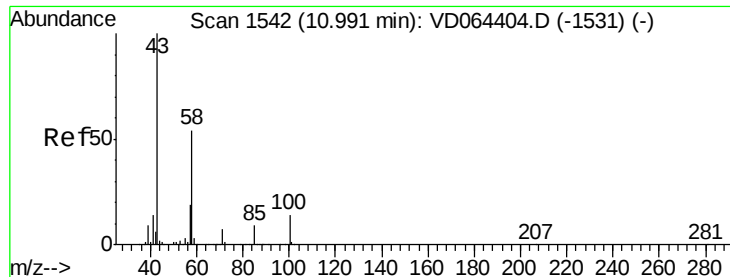
106 29.9 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





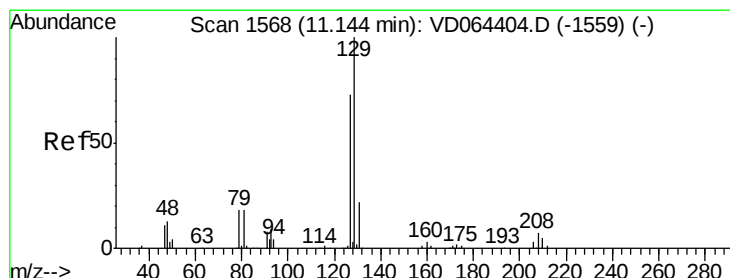
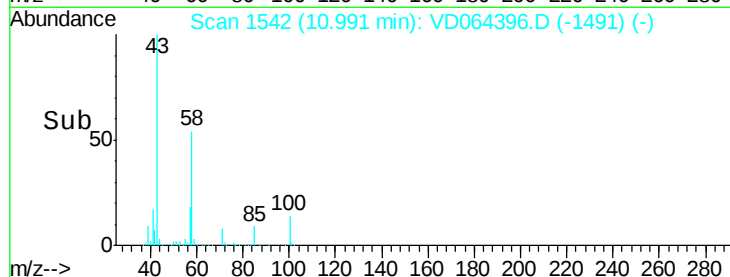
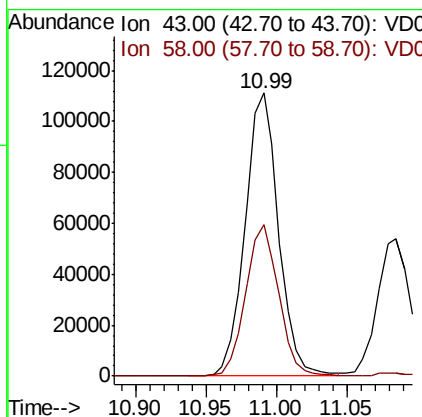
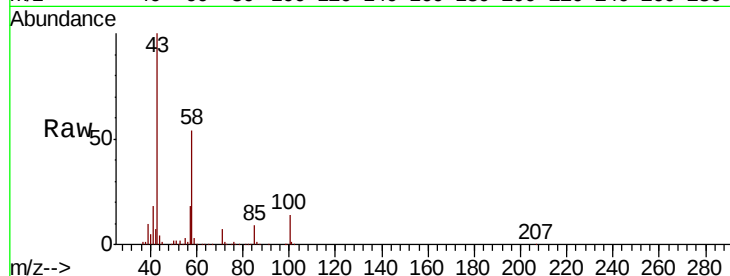
#59
2-Hexanone
Concen: 97.578 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.3	78.8

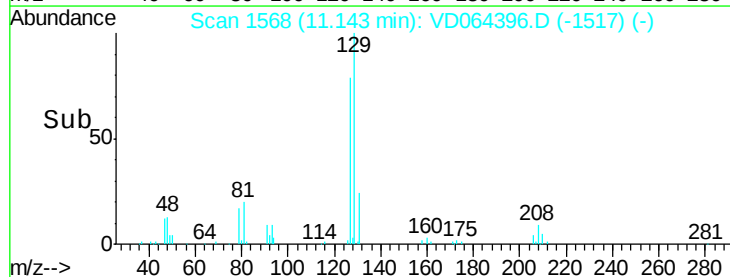
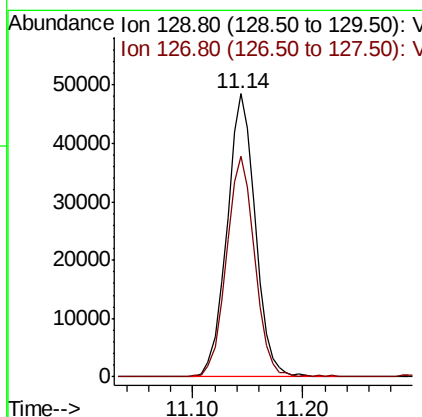
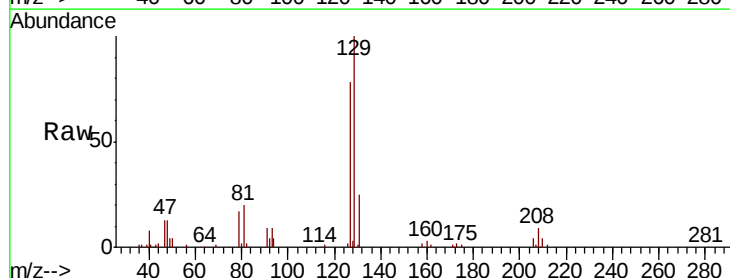
Manual Integrations
APPROVED

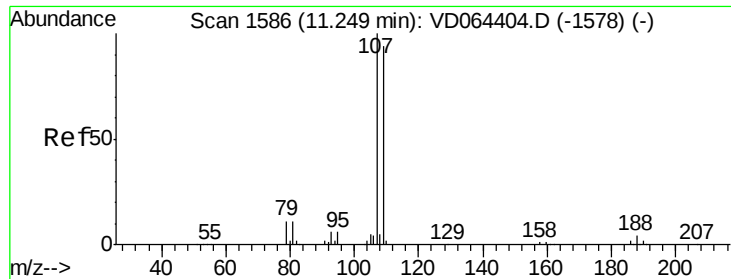
apatel
12/2/2019 10:56:13 AM



#60
Dibromochloromethane
Concen: 18.888 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.1	114.3





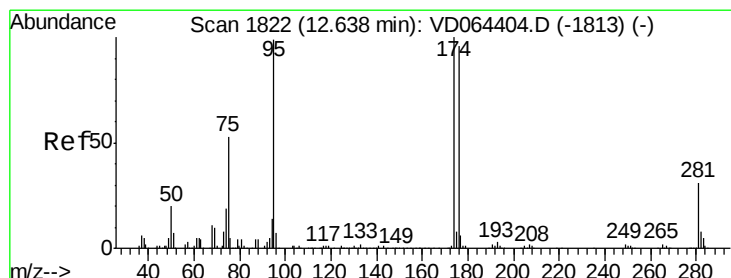
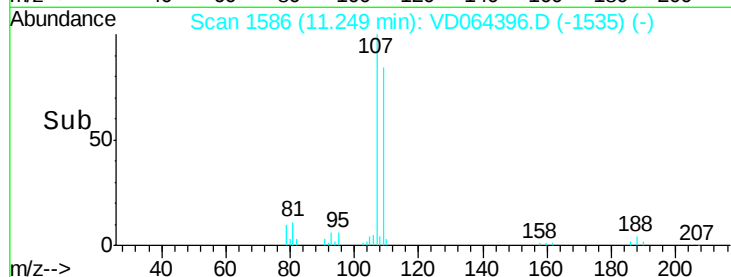
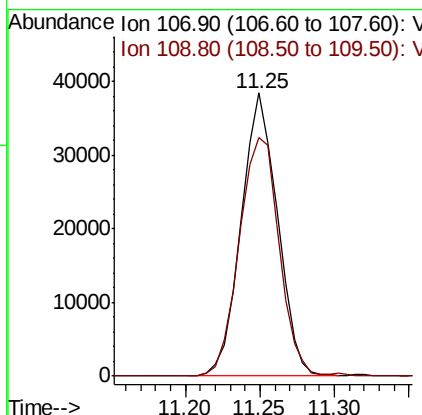
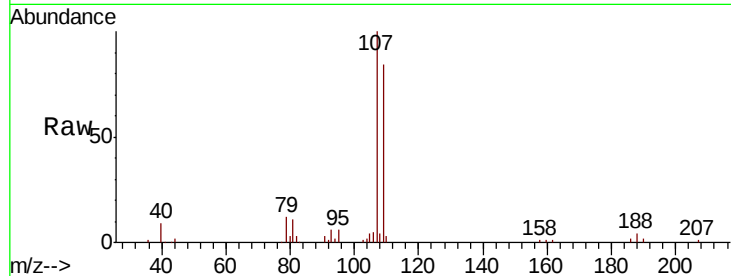
#61
 1,2-Dibromoethane
 Concen: 19.179 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064396.D
 Acq: 27 Nov 2019 15:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	76.2	114.2

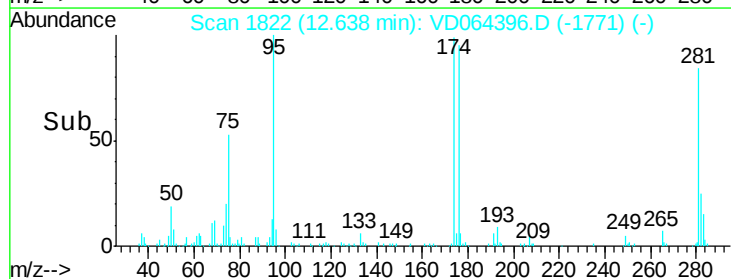
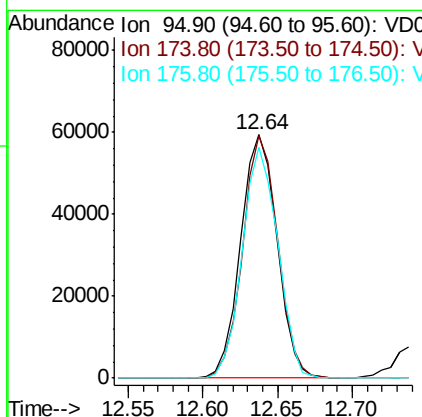
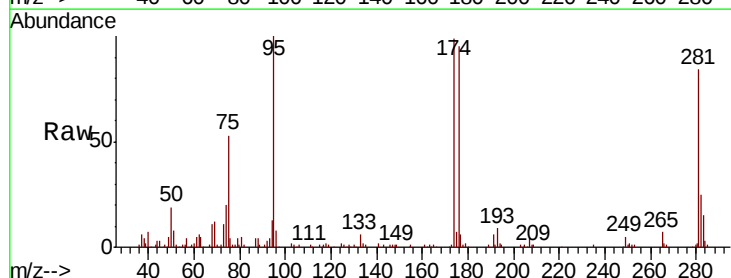
Manual Integrations
 APPROVED

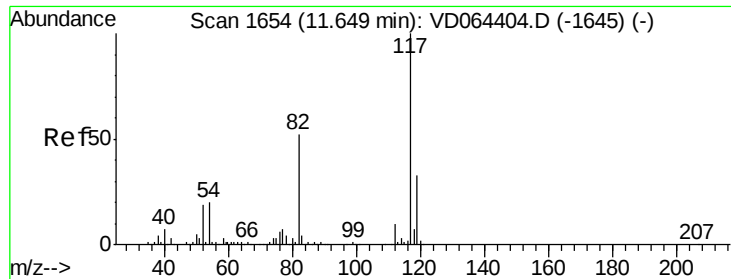
apatel
 12/2/2019 10:56:13 AM



#62
 4-Bromofluorobenzene
 Concen: 18.778 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064396.D
 Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	197.2
176	92.4	0.0	189.6





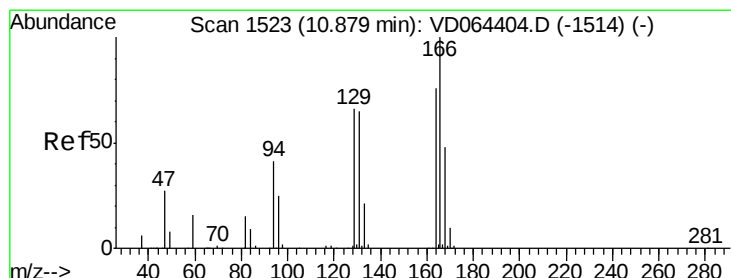
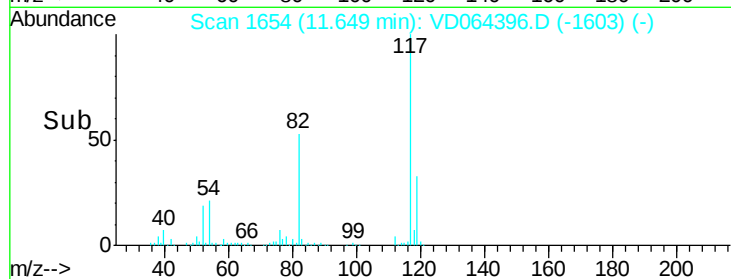
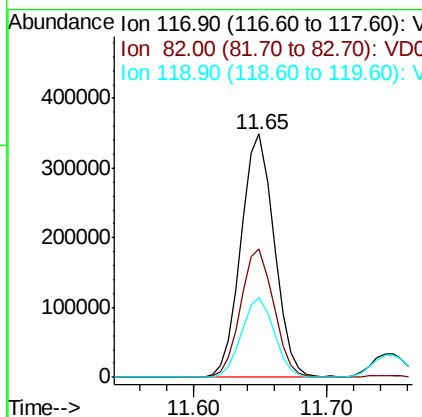
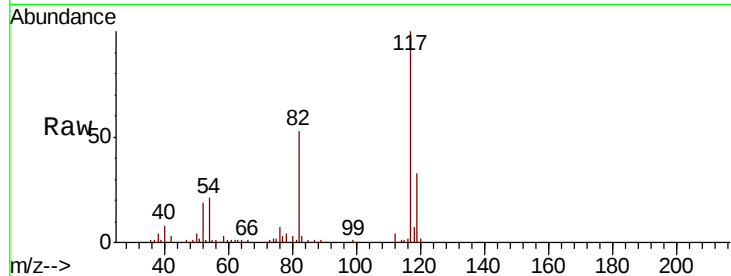
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.4	62.2
119	32.9	26.2	39.2

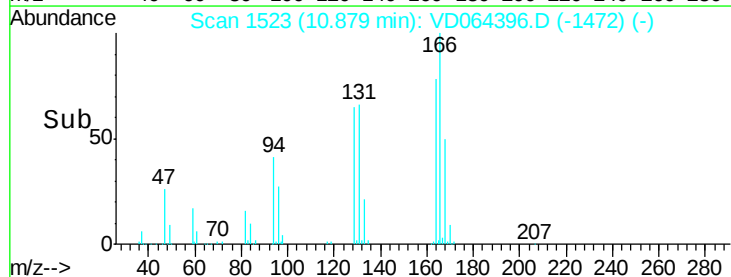
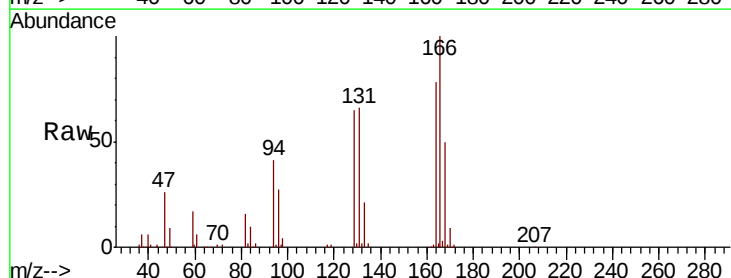
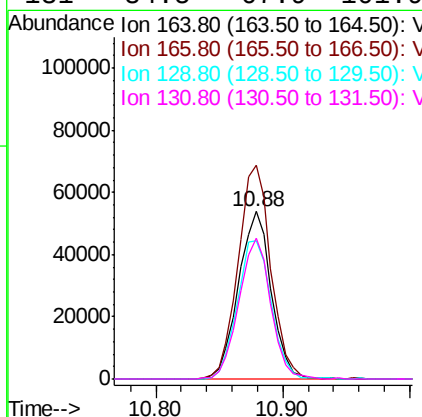
Manual Integrations
APPROVED

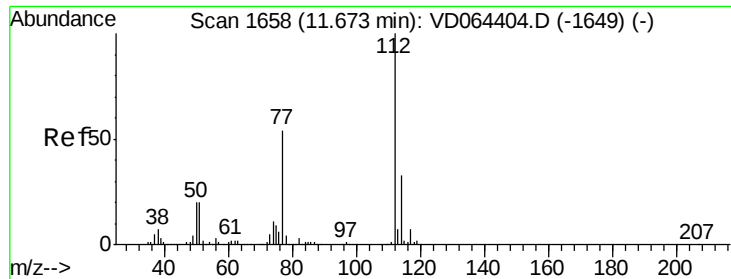
apatel
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#64
Tetrachloroethene
Concen: 21.018 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	104.8	157.2
129	83.0	68.7	103.1
131	84.5	67.9	101.9





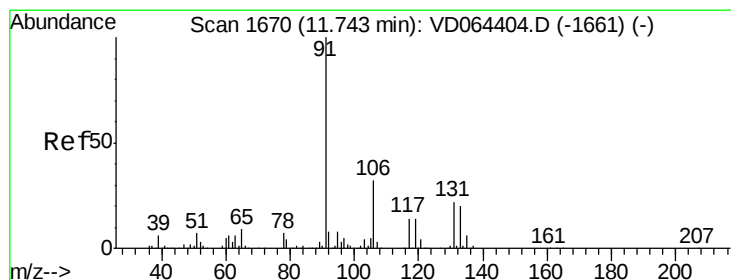
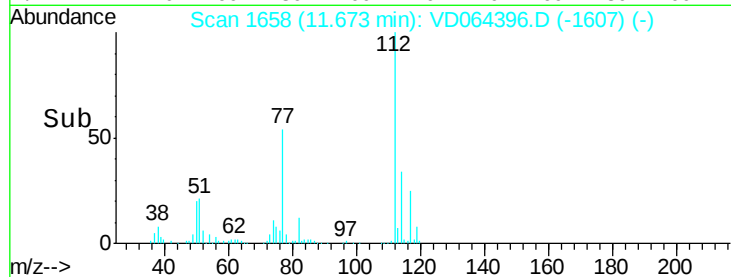
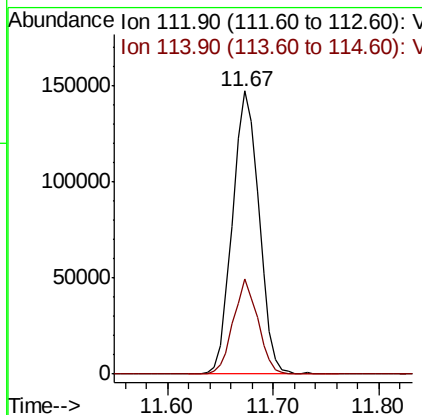
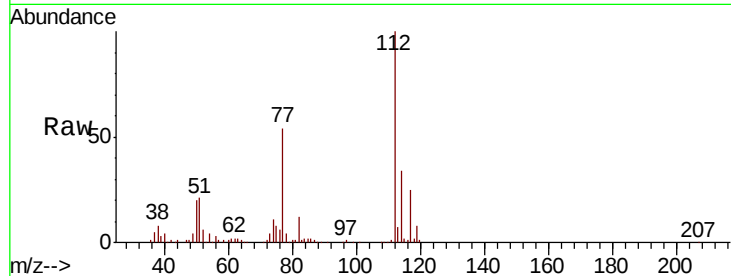
#65
Chlorobenzene
Concen: 20.328 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	26.5	39.7

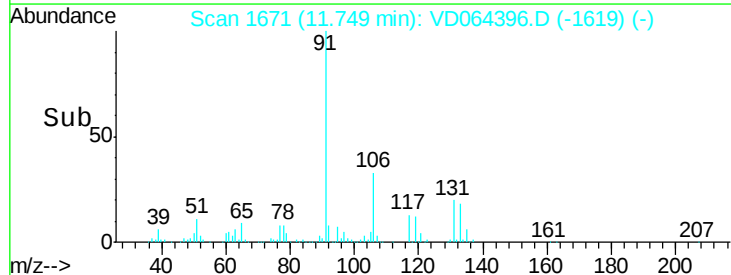
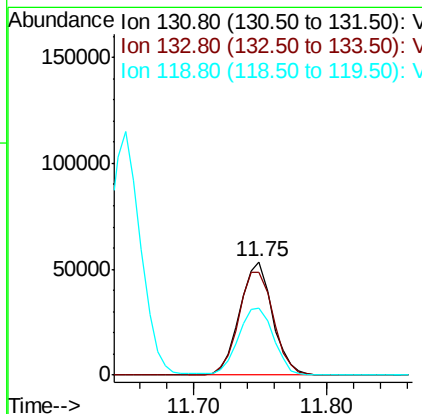
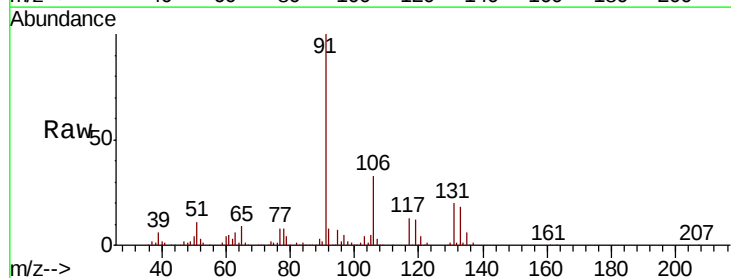
Manual Integrations
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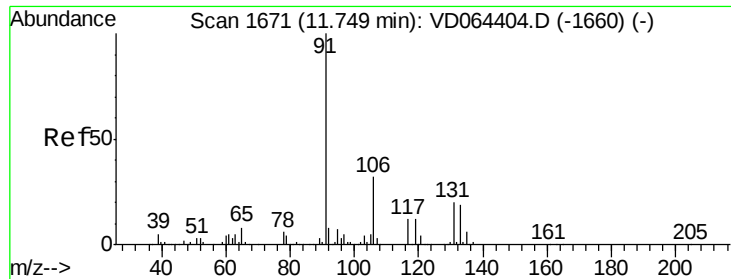
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.499 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	48.3	144.9
119	63.8	31.9	95.9





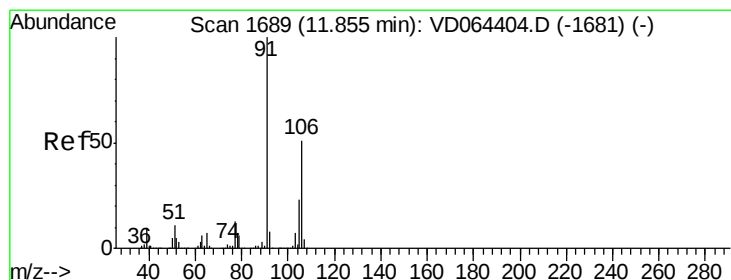
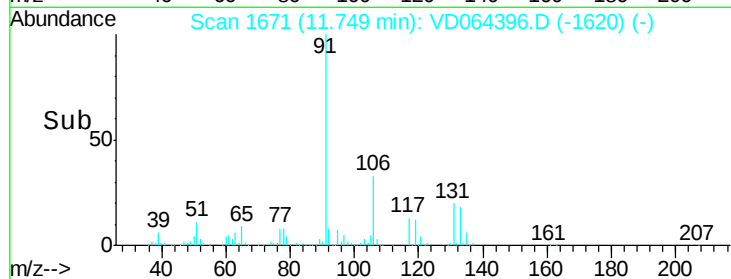
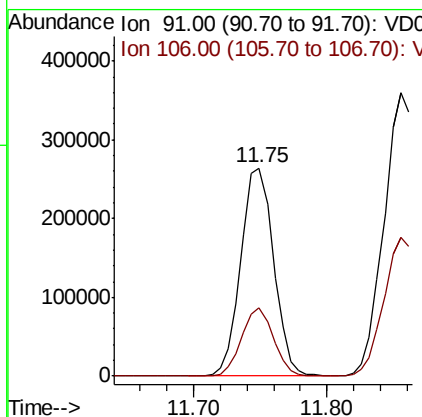
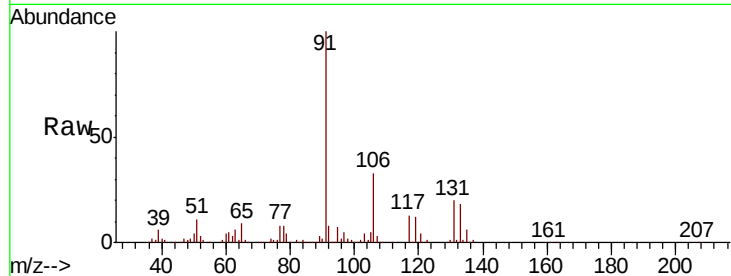
#67
Ethyl Benzene
Concen: 20.164 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.7	25.8	38.8

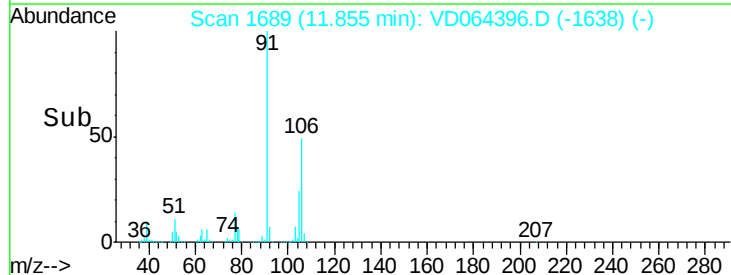
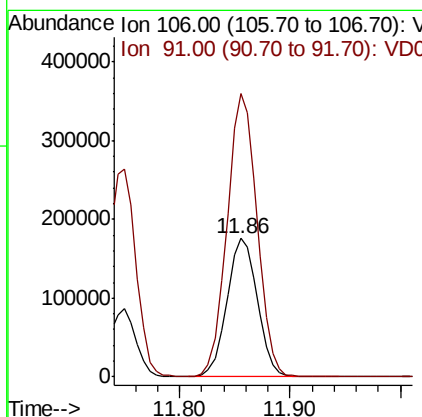
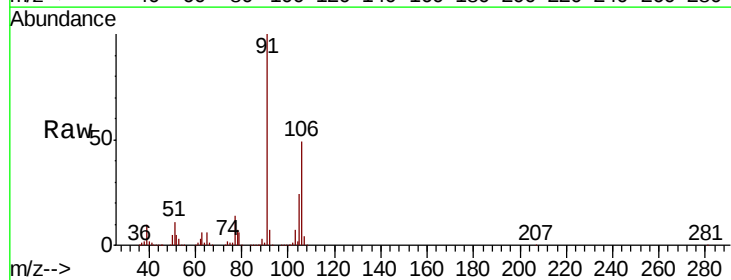
Manual Integrations
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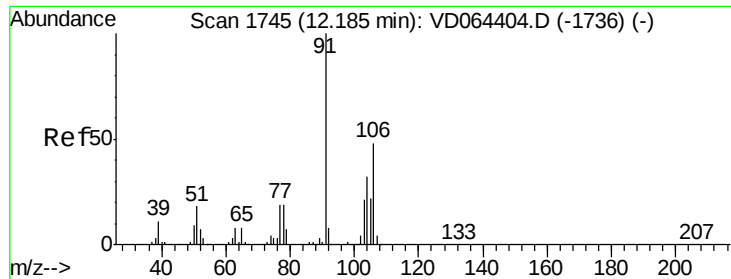
apatel
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#68
m/p-Xylenes
Concen: 39.803 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.8	157.4	236.2





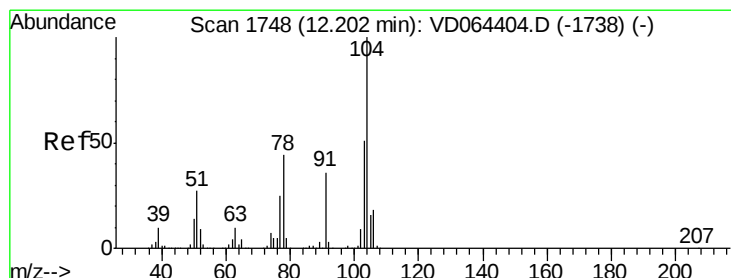
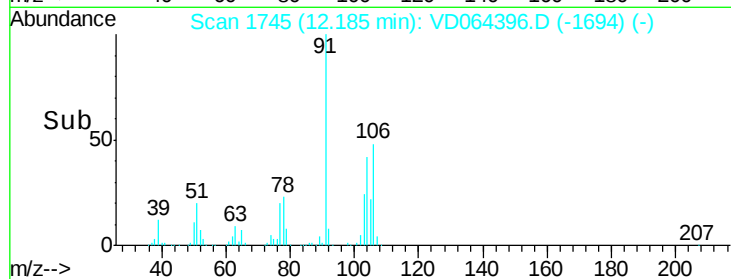
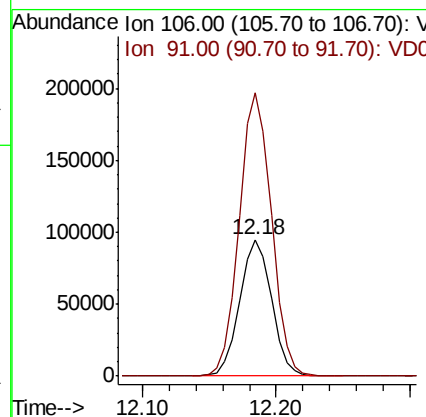
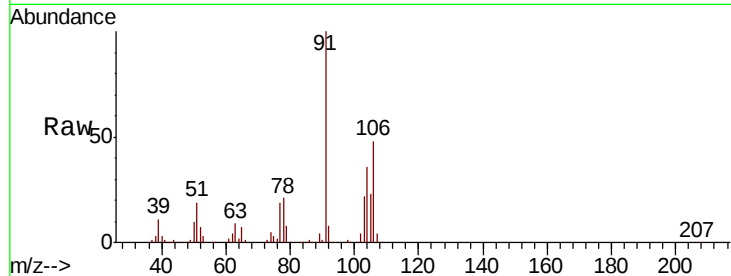
#69
o-Xylene
Concen: 19.893 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		156686		
91	209.7	103.8	311.4		

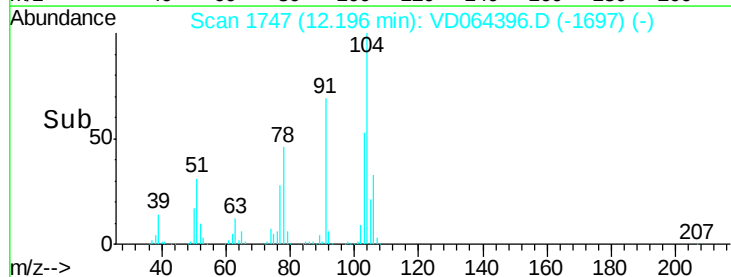
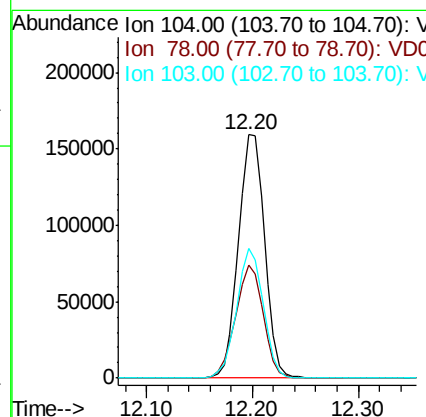
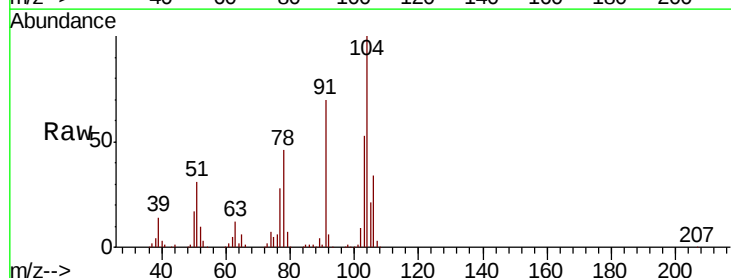
Manual Integrations
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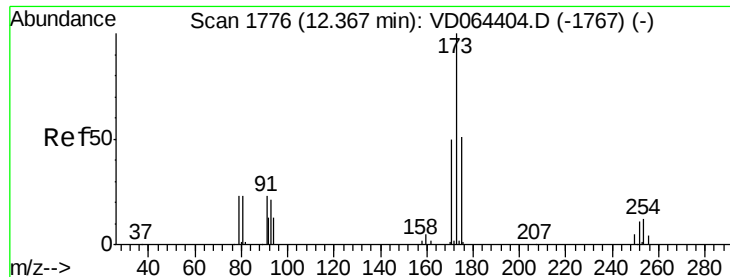
apatel
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#70
Styrene
Concen: 19.935 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		272853		
78	48.8	38.8	58.2		
103	54.1	44.2	66.4		





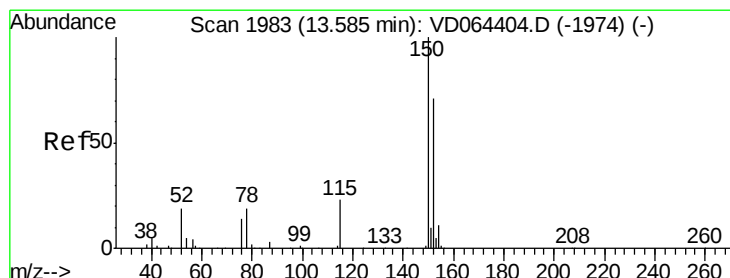
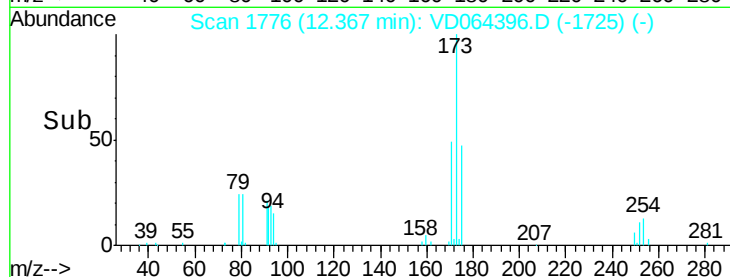
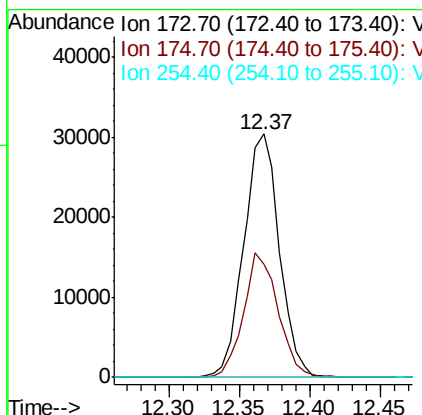
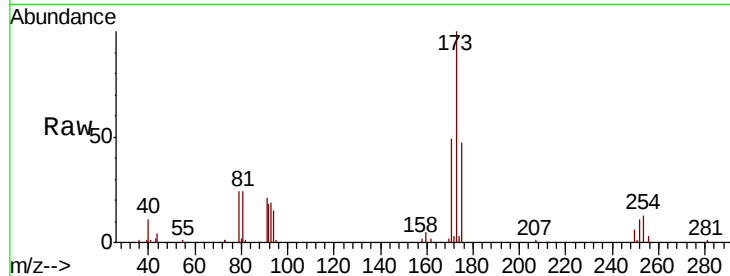
#71
Bromoform
Concen: 19.303 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	25.3	75.8
254	0.0	0.0	0.0

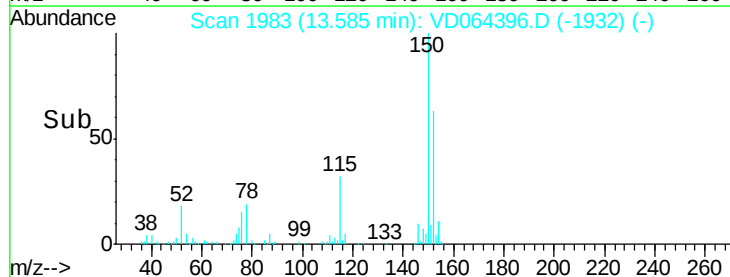
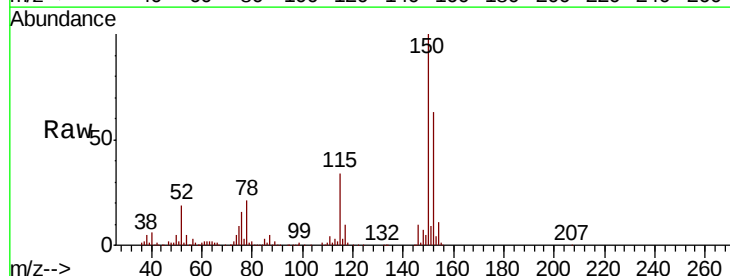
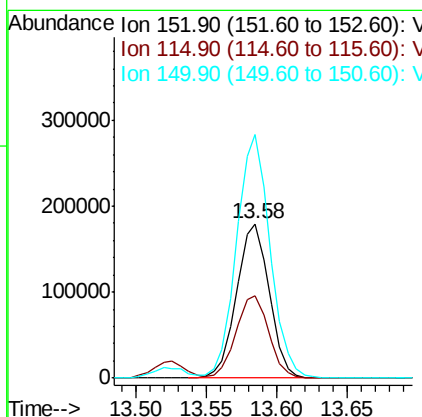
Manual Integrations
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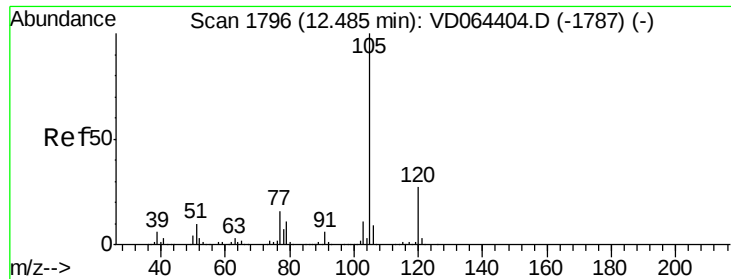
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	26.7	80.1
150	161.5	0.0	347.2





#73

Isopropylbenzene

Concen: 20.524 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 428825

Ion Ratio Lower Upper

105 100

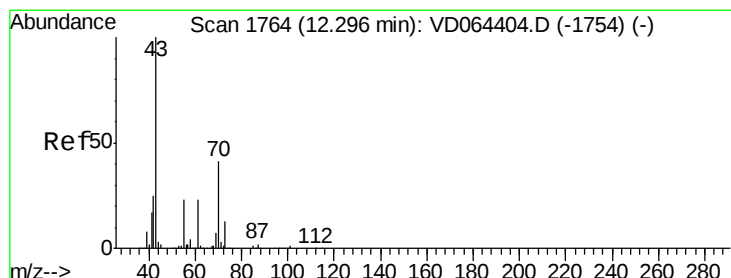
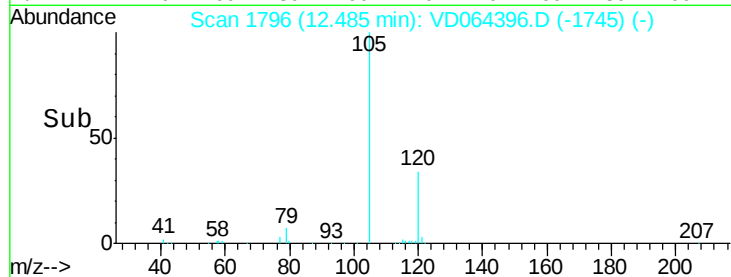
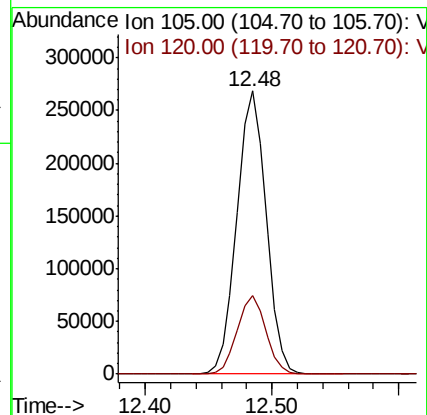
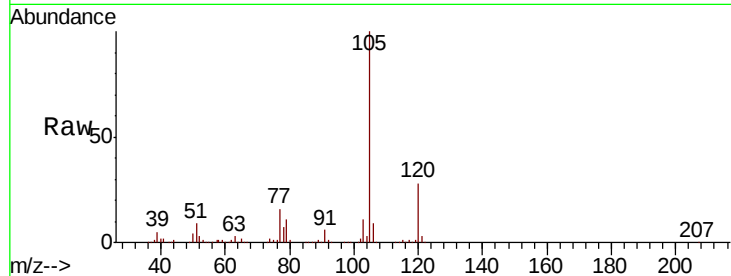
120 27.2 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.452 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Tgt Ion: 43 Resp: 92241

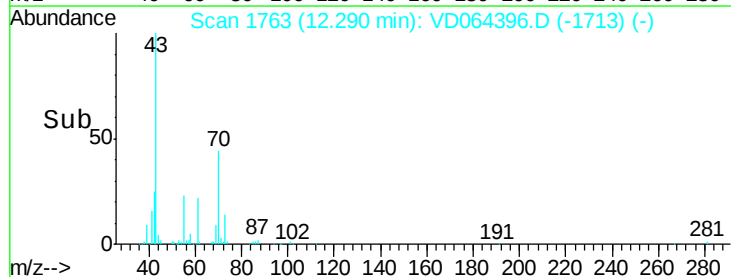
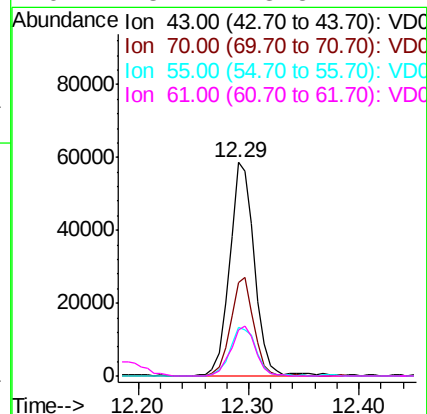
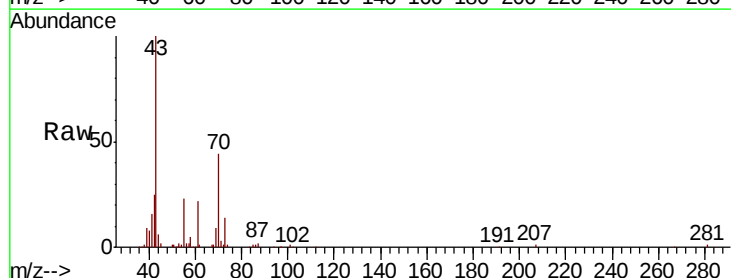
Ion Ratio Lower Upper

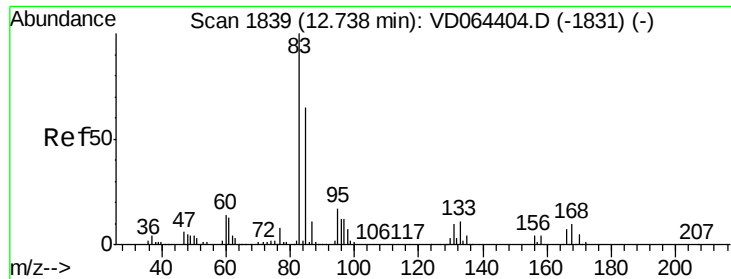
43 100

70 43.3 33.4 50.2

55 24.0 18.9 28.3

61 23.4 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.264 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

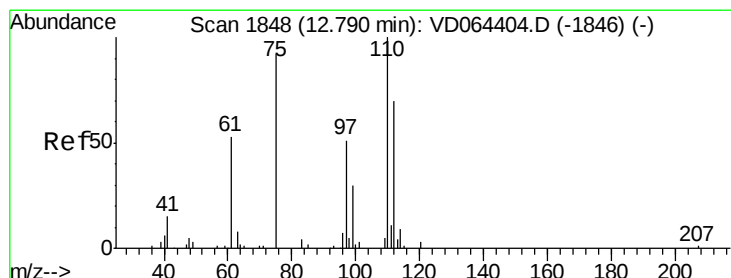
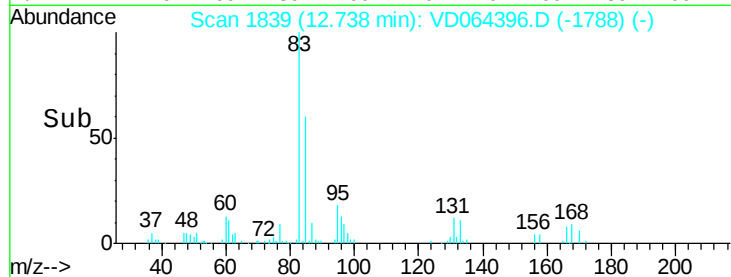
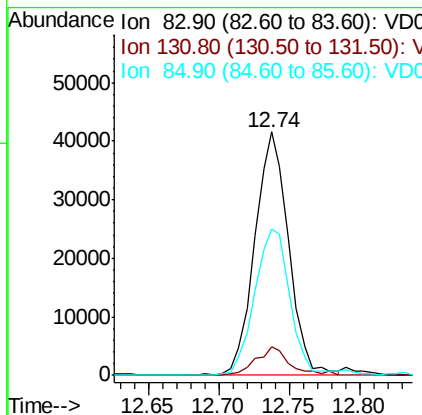
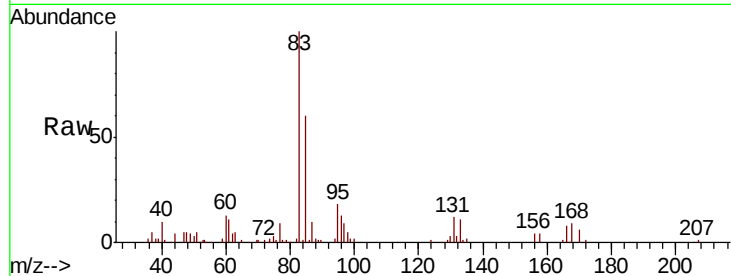
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	70015
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.7	17.0
85	62.0	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 14.386 ug/l m

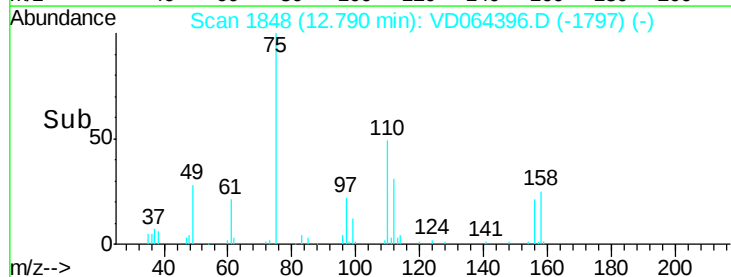
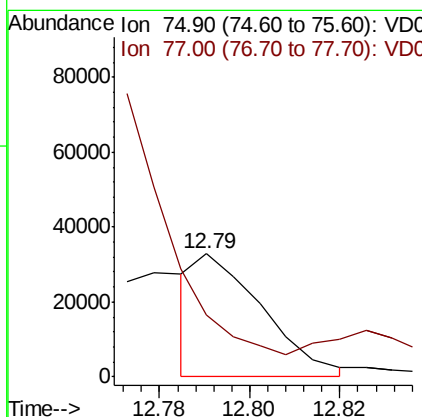
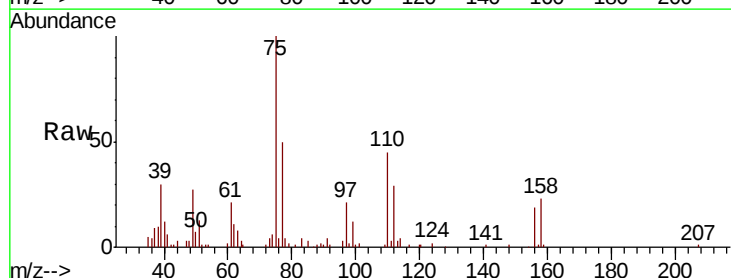
RT: 12.79 min Scan# 1848

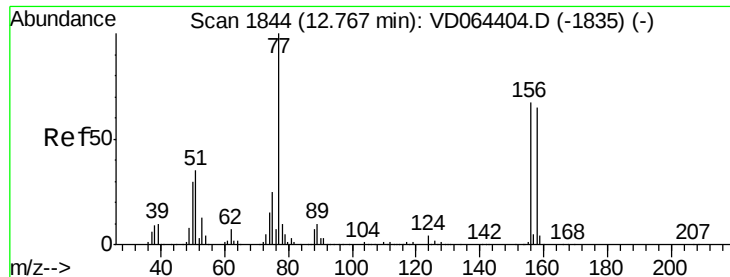
Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Tgt Ion:	75	Resp:	34368
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.629 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

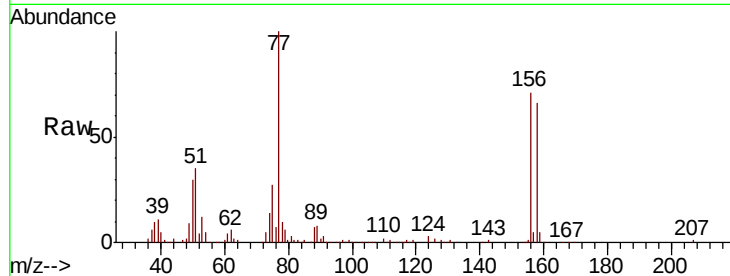
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	106435
Ion Ratio	Lower	Upper	
156	100		
77	158.9	80.0	240.2
158	96.6	48.9	146.6

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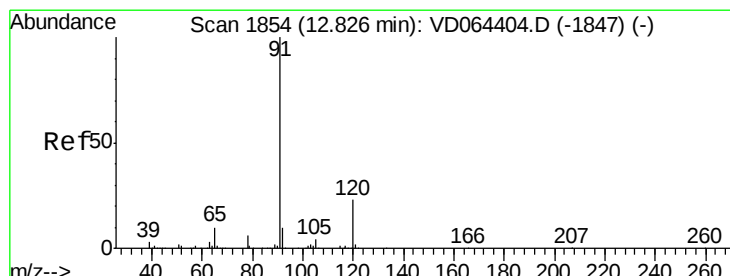
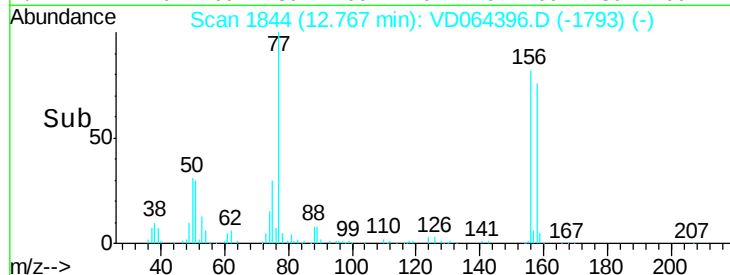
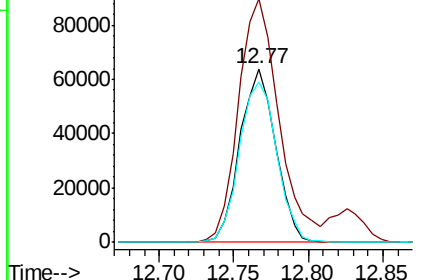
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.146 ug/l

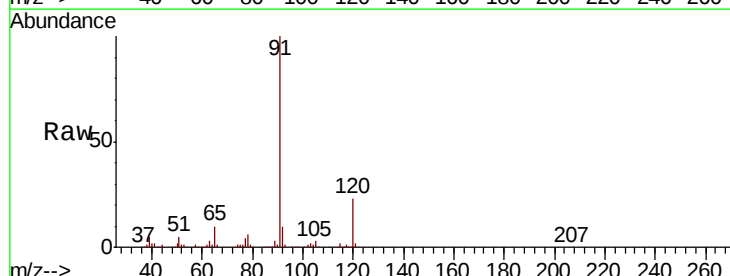
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064396.D

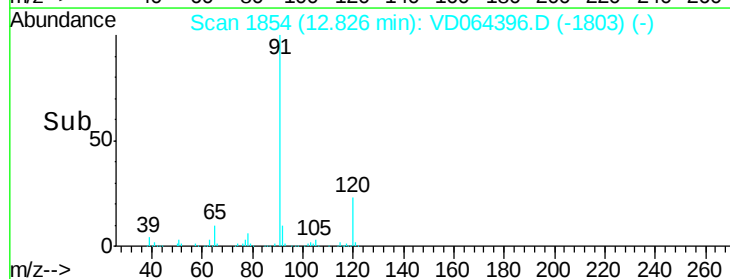
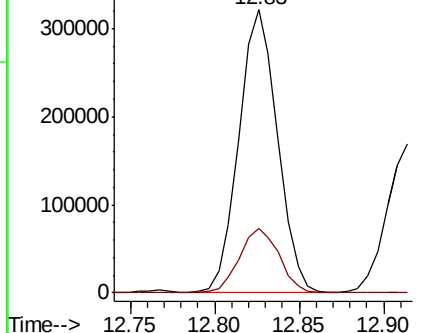
Acq: 27 Nov 2019 15:07

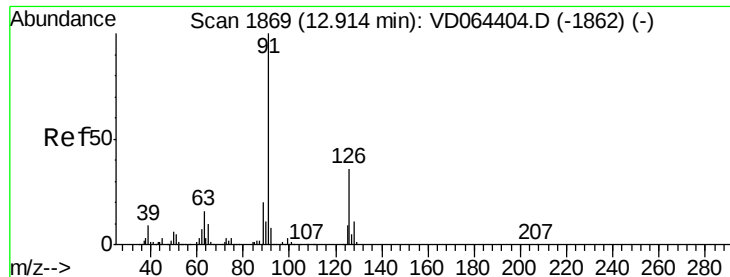
Tgt Ion:	91	Resp:	509758
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.586 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 273068

Ion Ratio Lower Upper

91 100

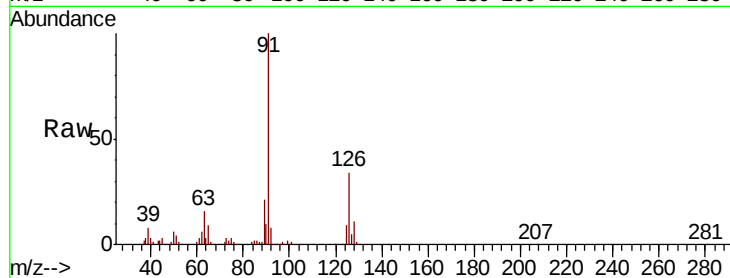
126 36.4 18.0 54.0

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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) (-)

200000

150000

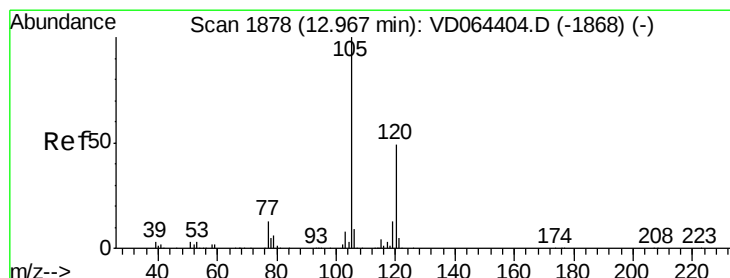
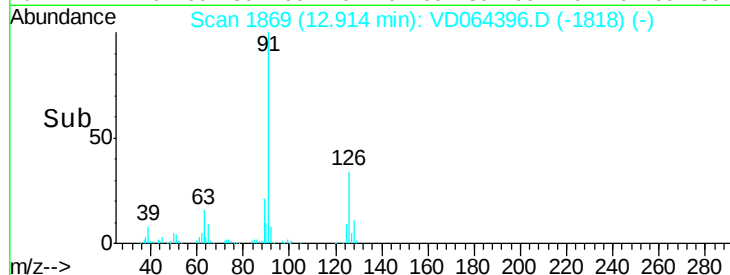
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.241 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064396.D

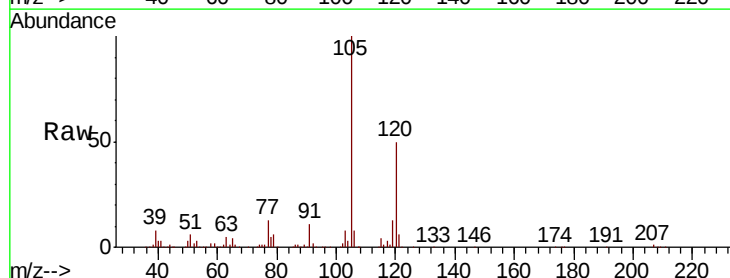
Acq: 27 Nov 2019 15:07

Tgt Ion:105 Resp: 345591

Ion Ratio Lower Upper

105 100

120 50.3 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) (-)

250000

200000

150000

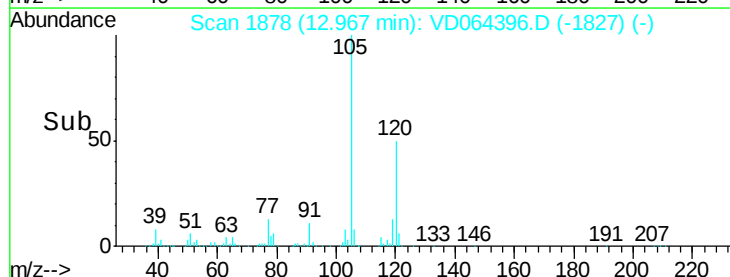
100000

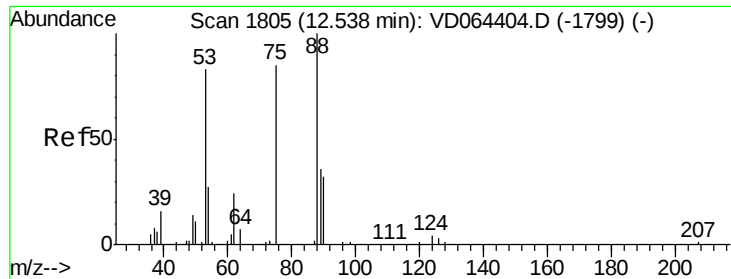
50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.761 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

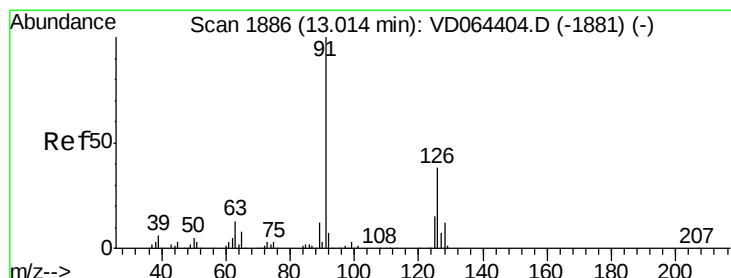
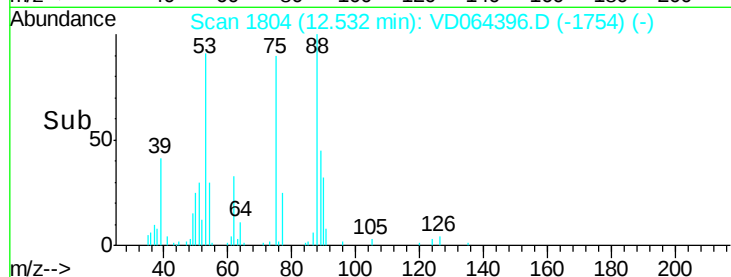
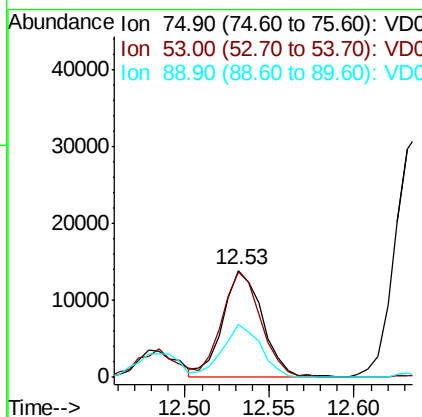
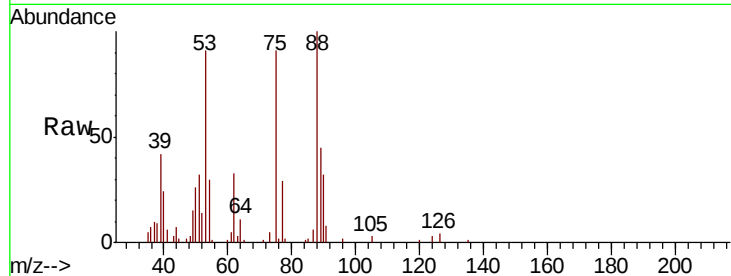
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	22746
Ion	Ratio	Lower	Upper
75	100		
53	96.4	81.0	121.6
89	48.1	38.5	57.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.989 ug/l

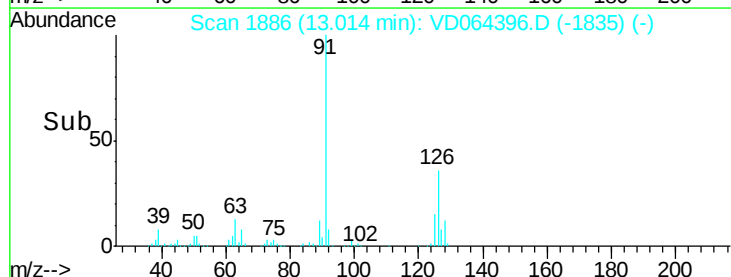
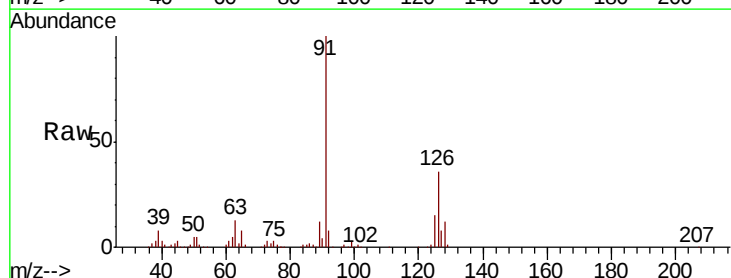
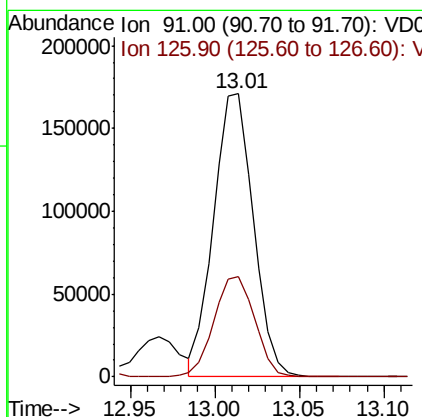
RT: 13.01 min Scan# 1886

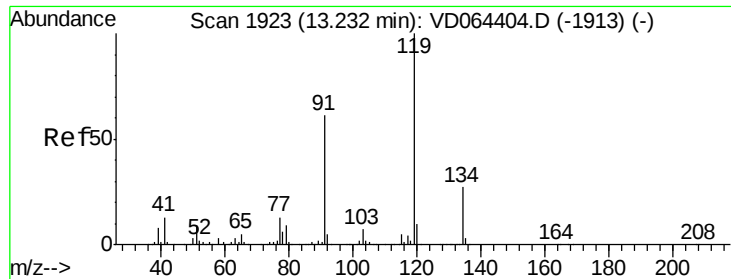
Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Tgt Ion:	91	Resp:	280742
Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.2	54.6





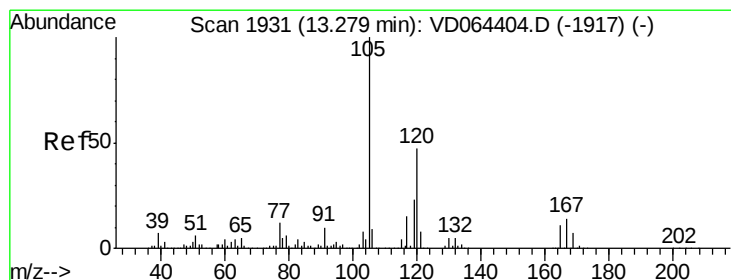
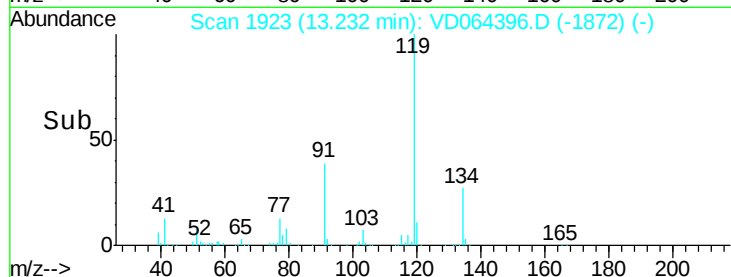
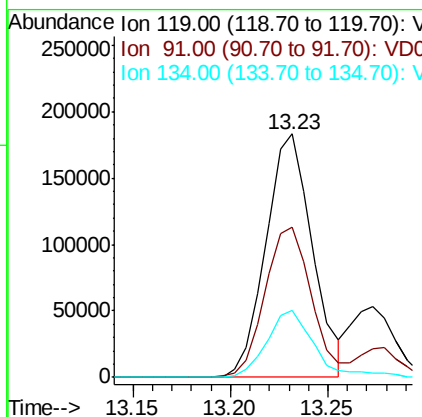
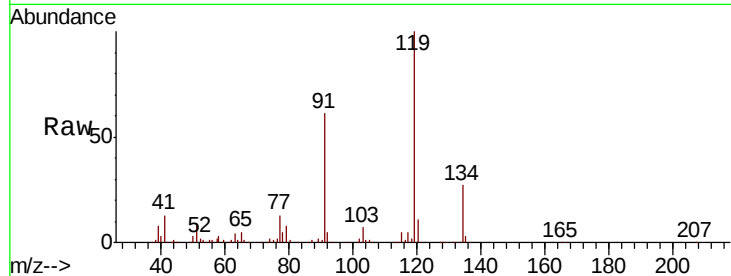
#83
tert-Butylbenzene
Concen: 20.371 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	31.2	93.6
134	28.3	13.9	41.7

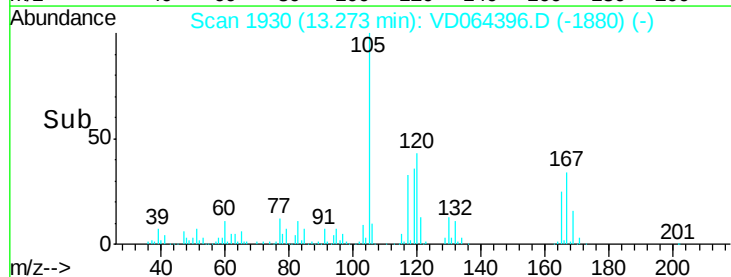
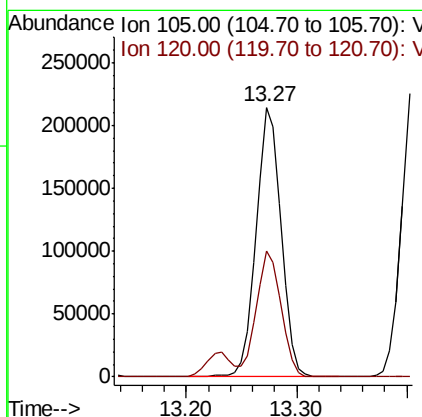
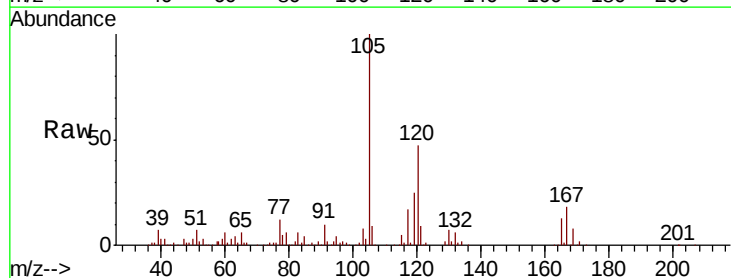
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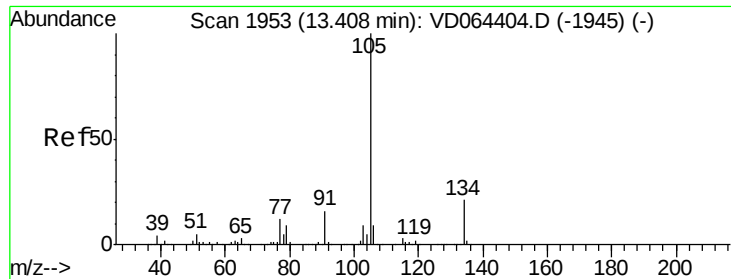
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#84
1,2,4-Trimethylbenzene
Concen: 19.873 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.6	70.8





#85

sec-Butylbenzene

Concen: 20.607 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 419819

Ion Ratio Lower Upper

105 100

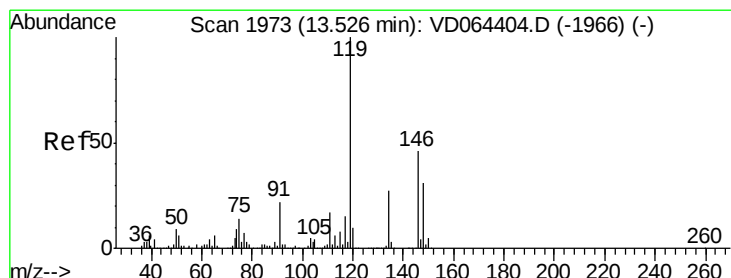
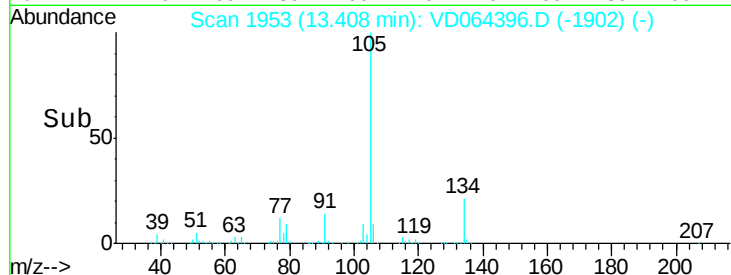
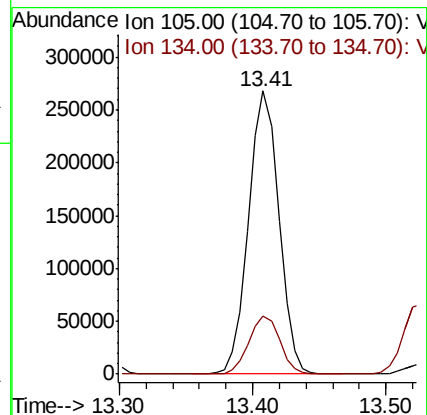
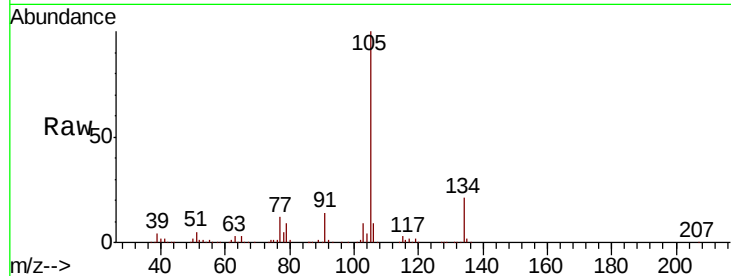
134 21.1 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 20.160 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

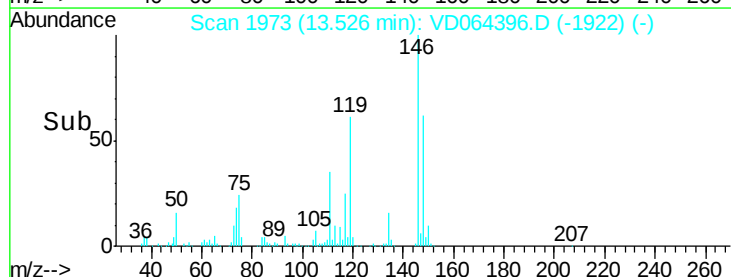
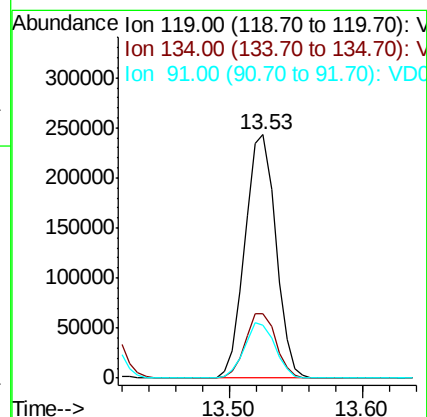
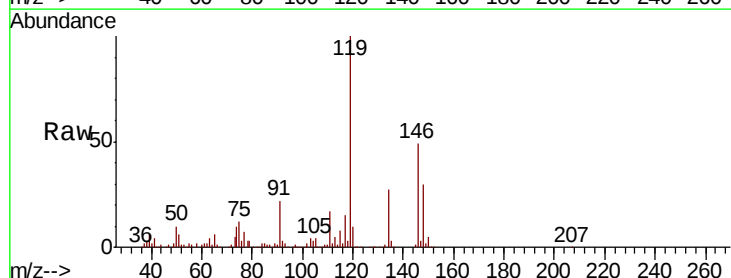
Tgt Ion:119 Resp: 387746

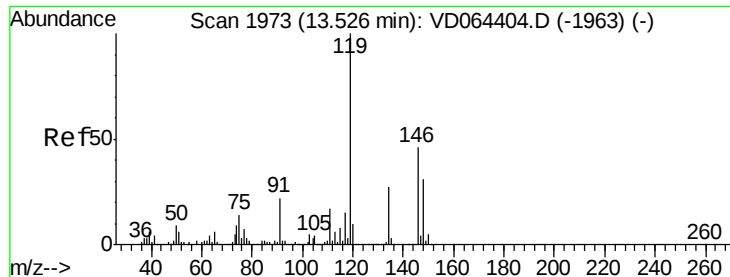
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.3 11.2 33.5





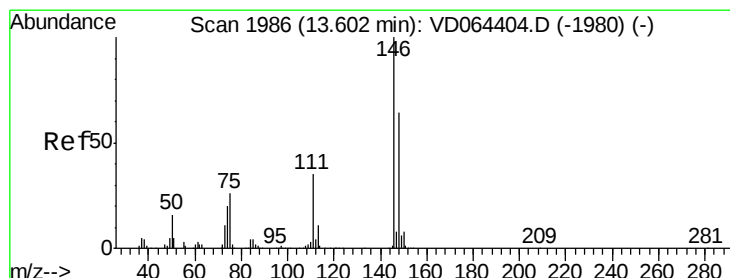
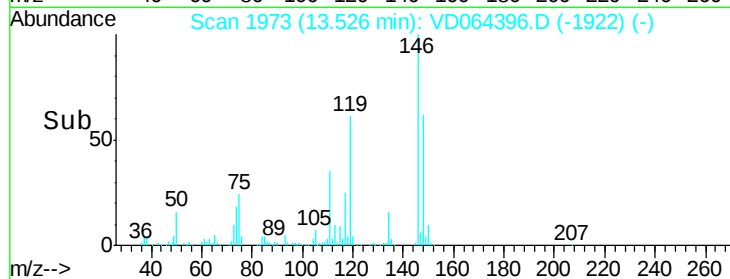
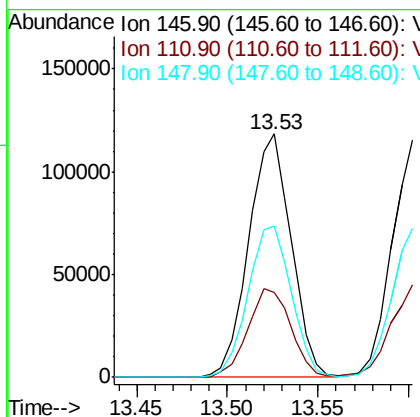
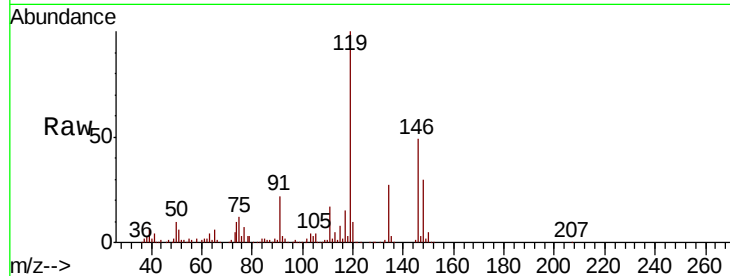
#87
 1,3-Dichlorobenzene
 Concen: 19.687 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064396.D
 Acq: 27 Nov 2019 15:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	192791		
111	37.3		18.8	56.4
148	63.4		32.6	97.8

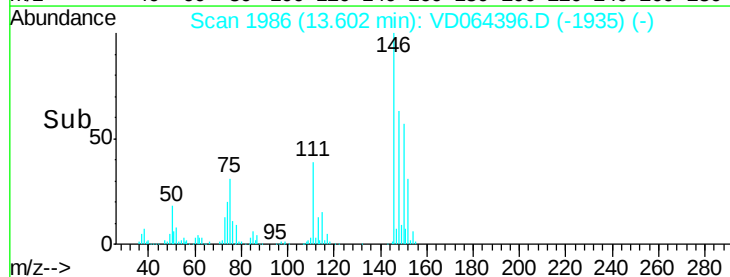
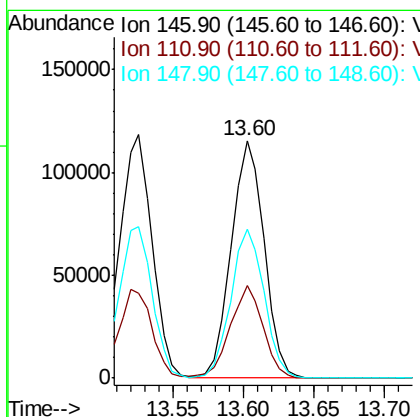
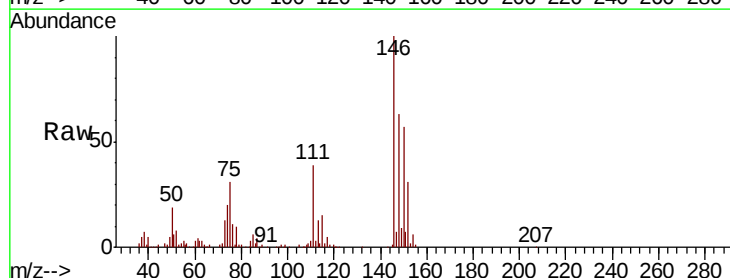
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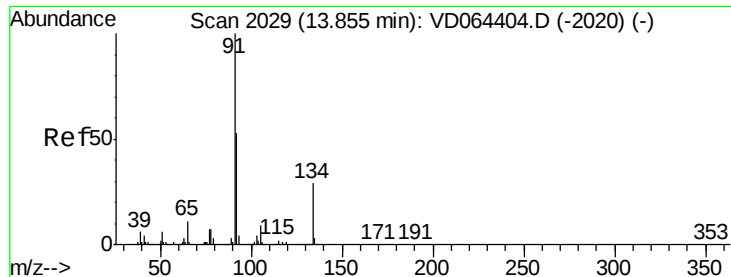
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#88
 1,4-Dichlorobenzene
 Concen: 19.436 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064396.D
 Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	187914		
111	39.0		18.2	54.6
148	63.3		31.8	95.4





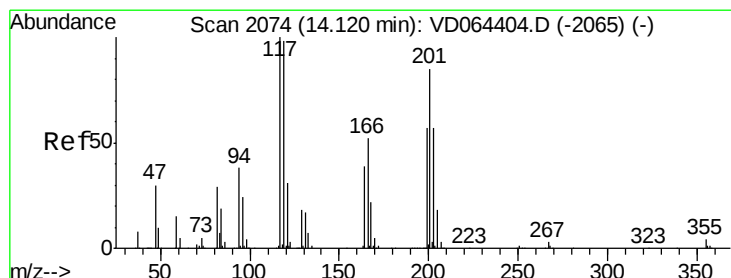
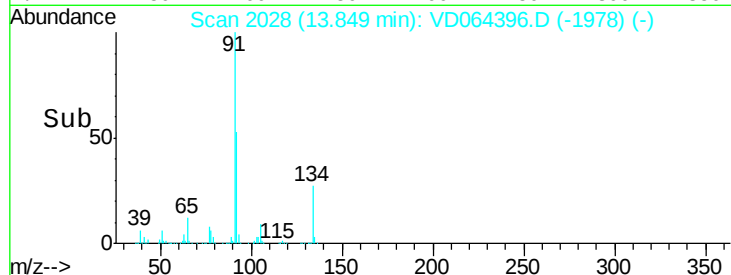
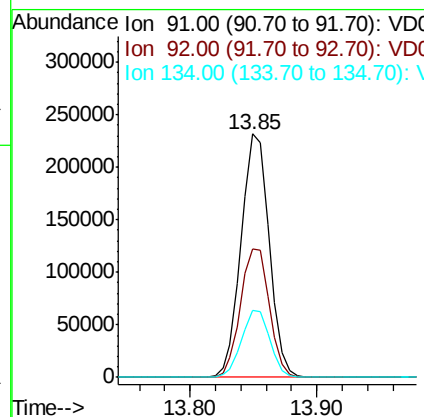
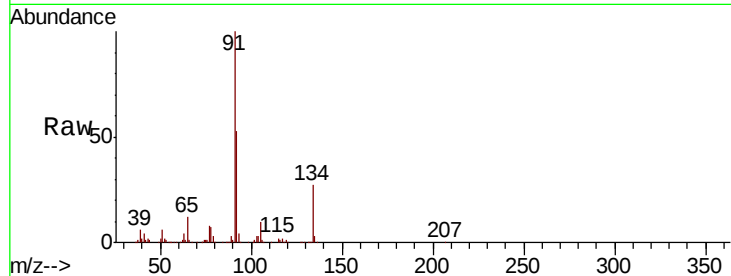
#89
n-Butylbenzene
Concen: 20.391 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.5	79.4
134	27.8	13.9	41.7

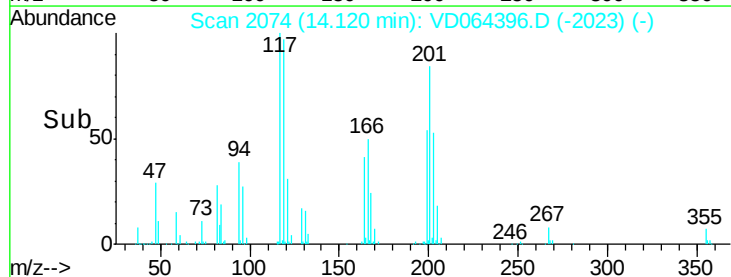
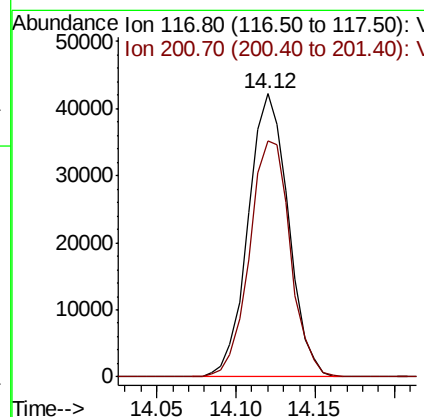
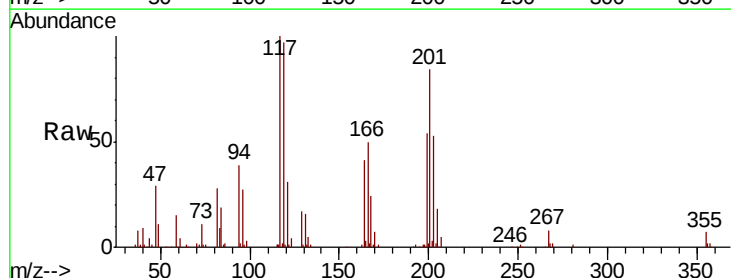
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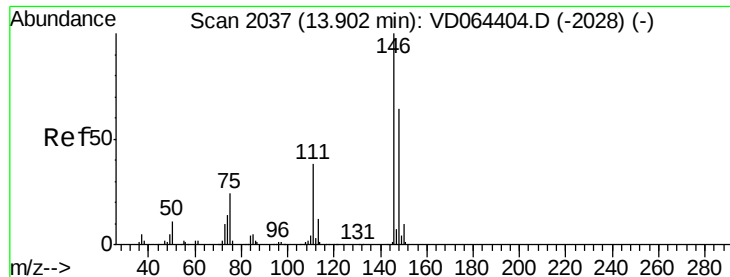
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#90
Hexachloroethane
Concen: 20.682 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064396.D
Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	44.3	132.8





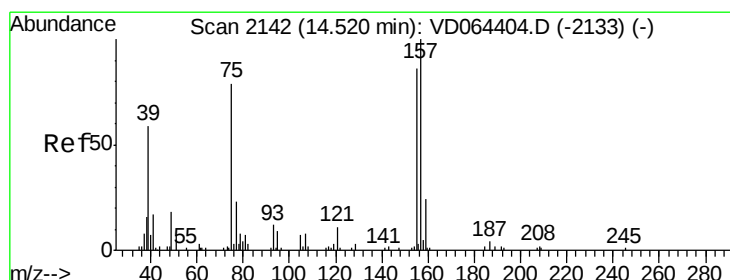
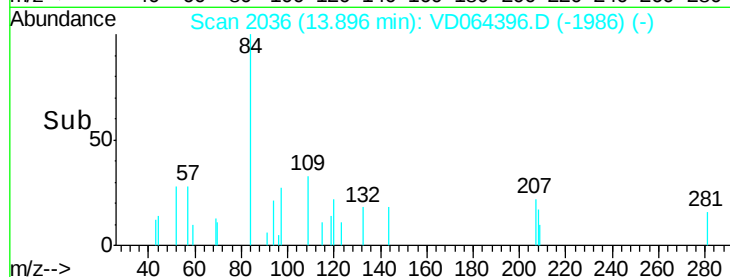
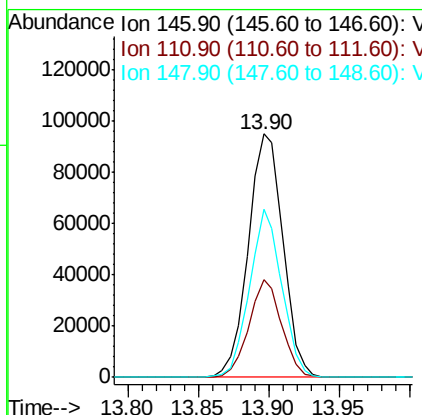
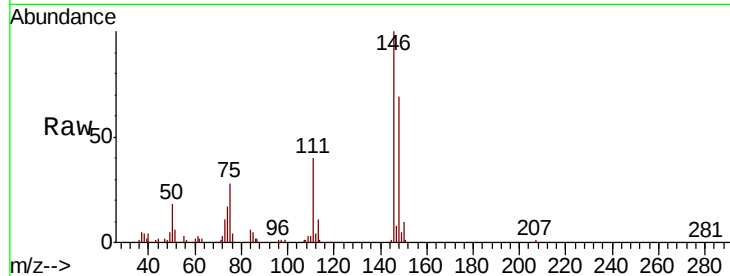
#91
 1,2-Dichlorobenzene
 Concen: 19.579 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064396.D
 Acq: 27 Nov 2019 15:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.3
148	64.0	32.0	96.0

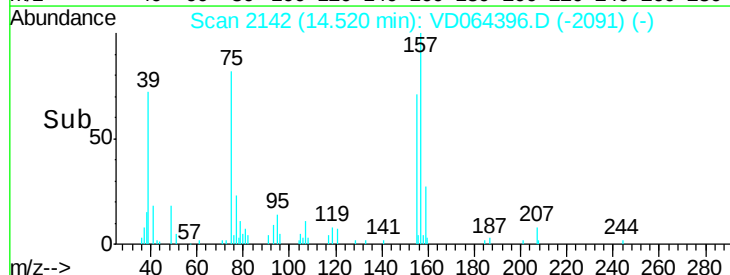
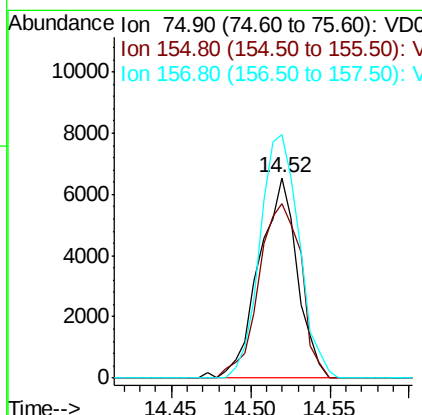
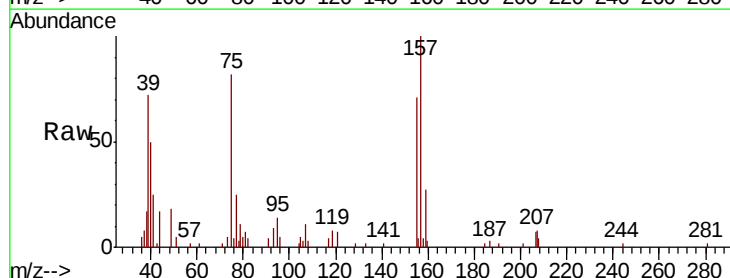
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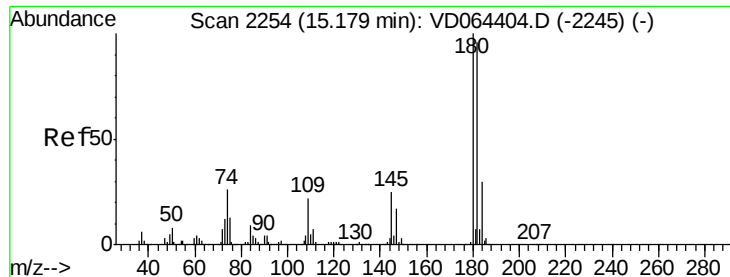
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.534 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064396.D
 Acq: 27 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	51.9	155.7
157	124.3	63.2	189.8





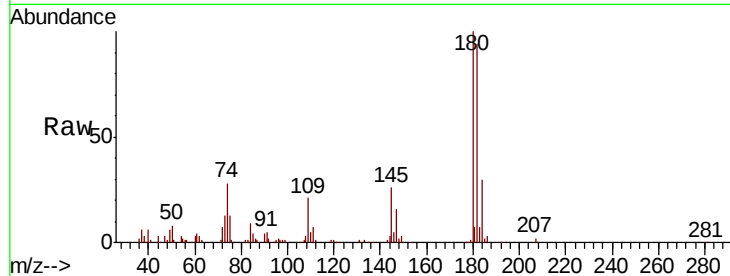
#93
 1,2,4-Trichlorobenzene
 Concen: 19.264 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064396.D
 Acq: 27 Nov 2019 15:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

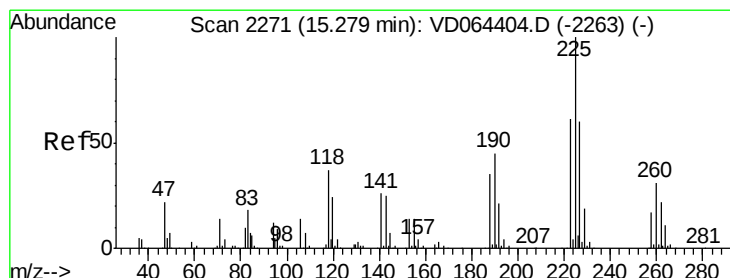
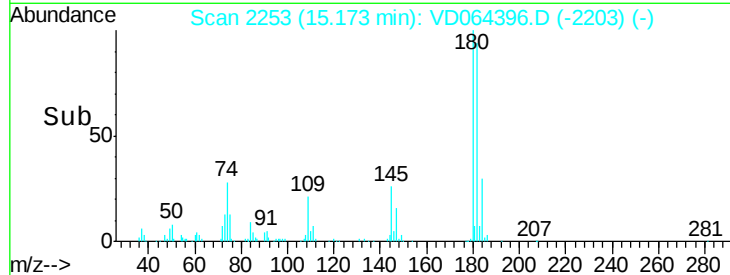
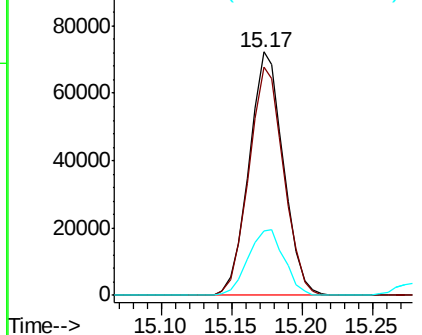
Tot Ion:	180	Resp:	123470
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.4	142.3
145	28.3	14.0	41.9

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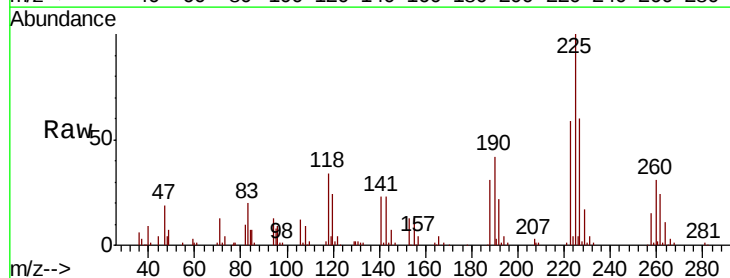


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

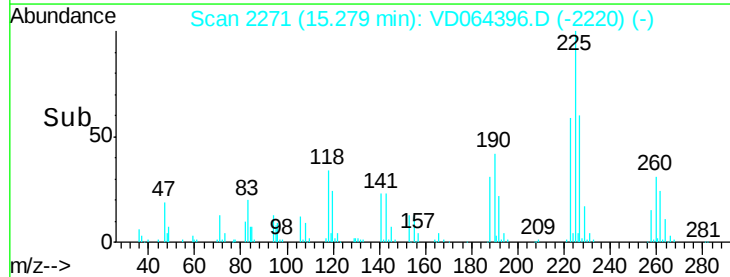
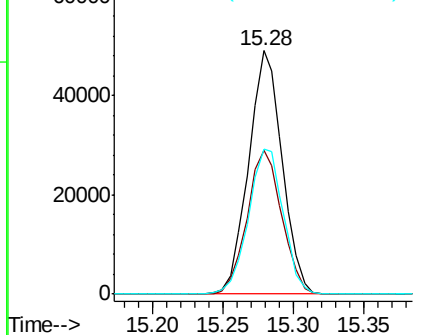


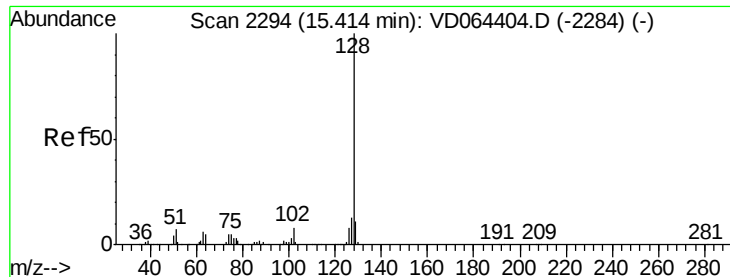
#94
 Hexachlorobutadiene
 Concen: 20.706 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064396.D
 Acq: 27 Nov 2019 15:07

Tgt Ion:	225	Resp:	81929
Ion Ratio	Lower	Upper	
225	100		
223	61.0	31.1	93.3
227	61.8	31.8	95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.242 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Instrument :

MSVOA_D

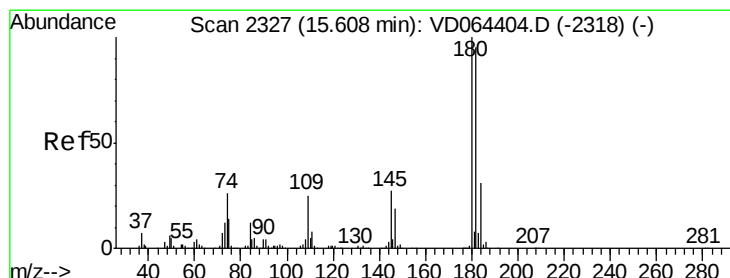
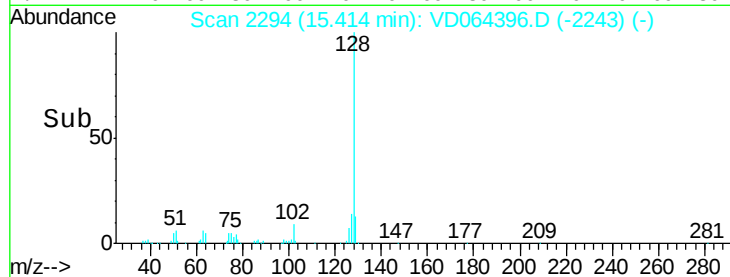
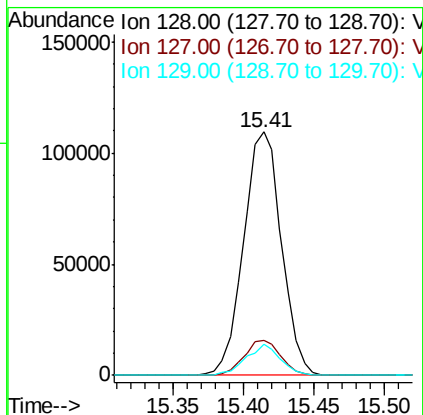
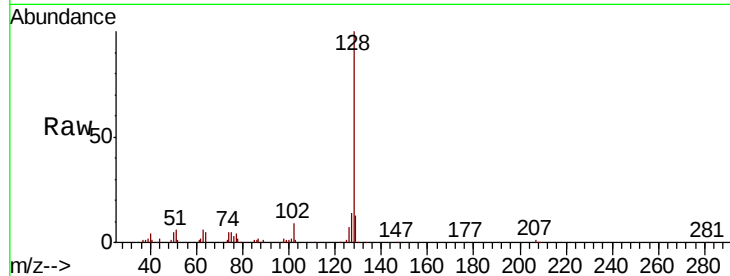
ClientSampled :

VSTDIC020

Tot Ion:	128	Resp:	205824
Ion Ratio		Lower	Upper
128	100		
127	14.0	10.5	15.7
129	11.6	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 19.342 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064396.D

Acq: 27 Nov 2019 15:07

Tgt Ion:	180	Resp:	105821
Ion Ratio		Lower	Upper
180	100		
182	94.7	47.6	142.9
145	27.7	14.6	43.8

