

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120419\
 Data File : VD064411.D
 Acq On : 04 Dec 2019 12:30
 Operator : VA/SY
 Sample : VD1204SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Manual Integrations
 APPROVED

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 12/5/2019 2:59:01 PM

Quant Time: Dec 05 07:15:33 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	538442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	772927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	659725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	232267	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
35) Dibromofluoromethane	7.91	113	241647	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.34	98	943568	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.64	95	291452	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	105178	21.558	ug/l	100
3) Chloromethane	2.21	50	128639	20.905	ug/l	98
4) Vinyl Chloride	2.35	62	146616	20.636	ug/l	96
5) Bromomethane	2.76	94	95922	18.256	ug/l	100
6) Chloroethane	2.92	64	95041	20.013	ug/l	93
7) Trichlorofluoromethane	3.27	101	250732	21.228	ug/l	94
8) Diethyl Ether	3.70	74	48933	19.937	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	104237	20.583	ug/l	99
10) Methyl Iodide	4.29	142	102453	19.157	ug/l	99
11) Tert butyl alcohol	5.24	59	25228	81.319	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	99205	20.441	ug/l	96
13) Acrolein	3.92	56	36798	86.961	ug/l	100
14) Allyl chloride	4.70	41	160246	21.157	ug/l	99
15) Acrylonitrile	5.43	53	98806	92.059	ug/l	99
16) Acetone	4.16	43	91458	92.863	ug/l	91
17) Carbon Disulfide	4.40	76	322910	21.008	ug/l	98
18) Methyl Acetate	4.73	43	55850	19.441	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	210756	18.931	ug/l	99
20) Methylene Chloride	4.97	84	107314	18.657	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	113411	20.659	ug/l	95
22) Diisopropyl ether	6.37	45	305083	20.404	ug/l	98
23) Vinyl Acetate	6.31	43	835165	94.745	ug/l	98
24) 1,1-Dichloroethane	6.26	63	184970	20.570	ug/l	97
25) 2-Butanone	7.22	43	122604	88.026	ug/l	94
26) 2,2-Dichloropropane	7.20	77	167594	21.431	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	117667	19.660	ug/l	96
28) Bromochloromethane	7.54	49	46562	15.152	ug/l	97
29) Tetrahydrofuran	7.57	42	82524	93.127	ug/l	96
30) Chloroform	7.71	83	188913	20.286	ug/l	100
31) Cyclohexane	7.98	56	183376	20.667	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	178969	20.729	ug/l	99
36) 1,1-Dichloropropene	8.11	75	157402	21.530	ug/l	98
37) Ethyl Acetate	7.30	43	56805	18.312	ug/l	99
38) Carbon Tetrachloride	8.09	117	165856	21.495	ug/l	98

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 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)
39) Methylcyclohexane	9.36	83	192253	21.200	ug/l	96
40) Benzene	8.35	78	423425	20.853	ug/l	99
41) Methacrylonitrile	7.53	41	40295	22.650	ug/l	96
42) 1,2-Dichloroethane	8.43	62	119591	20.196	ug/l	99
43) Isopropyl Acetate	8.46	43	116118	19.038	ug/l	99
44) Trichloroethene	9.11	130	125098	20.453	ug/l	97
45) 1,2-Dichloropropane	9.39	63	100791	20.755	ug/l	99
46) Dibromomethane	9.48	93	52598	19.191	ug/l	98
47) Bromodichloromethane	9.66	83	142478	20.231	ug/l	97
48) Methyl methacrylate	9.46	41	57252	20.513	ug/l	91
49) 1,4-Dioxane	9.47	88	12281	362.861	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	273390	90.589	ug/l	100
52) Toluene	10.40	92	274343	20.732	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	134111	19.982	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	161175	20.214	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	74184	19.767	ug/l	95
56) Ethyl methacrylate	10.67	69	92210	19.264	ug/l	99
57) 1,3-Dichloropropane	10.95	76	124022	19.413	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	187241	98.127	ug/l	98
59) 2-Hexanone	10.98	43	192181	91.772	ug/l	99
60) Dibromochloromethane	11.14	129	98056	19.270	ug/l	99
61) 1,2-Dibromoethane	11.25	107	72116	19.246	ug/l	95
64) Tetrachloroethene	10.88	164	107179	21.304	ug/l	97
65) Chlorobenzene	11.67	112	289468	21.037	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	104470	20.510	ug/l	99
67) Ethyl Benzene	11.75	91	509589	20.815	ug/l	99
68) m/p-Xylenes	11.86	106	389321	41.707	ug/l	99
69) o-Xylene	12.18	106	180382	20.923	ug/l	98
70) Styrene	12.20	104	305843	20.415	ug/l	99
71) Bromoform	12.37	173	57146	18.752	ug/l #	100
73) Isopropylbenzene	12.48	105	492053	21.552	ug/l	99
74) N-amyl acetate	12.29	43	101089	19.509	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	72875	19.302	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	45956m	17.604	ug/l	
77) Bromobenzene	12.77	156	120700	21.409	ug/l	97
78) n-propylbenzene	12.83	91	570745	21.667	ug/l	100
79) 2-Chlorotoluene	12.91	91	308541	21.287	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	402304	21.563	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	24773	20.693	ug/l	94
82) 4-Chlorotoluene	13.01	91	323600	21.086	ug/l	99
83) tert-Butylbenzene	13.23	119	346318	21.351	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	393853	20.994	ug/l	99
85) sec-Butylbenzene	13.41	105	478485	21.494	ug/l	100
86) p-Isopropyltoluene	13.53	119	449537	21.389	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	219551	20.518	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	214191	20.274	ug/l	97
89) n-Butylbenzene	13.86	91	409858	21.474	ug/l	99
90) Hexachloroethane	14.13	117	84249	21.432	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	187412	20.493	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12114	18.734	ug/l	95

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ClientSampleId :
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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.18	180	139999	19.990	ug/l	97
94) Hexachlorobutadiene	15.28	225	91352	21.129	ug/l	100
95) Naphthalene	15.42	128	224570	19.213	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	121361	20.300	ug/l	100

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

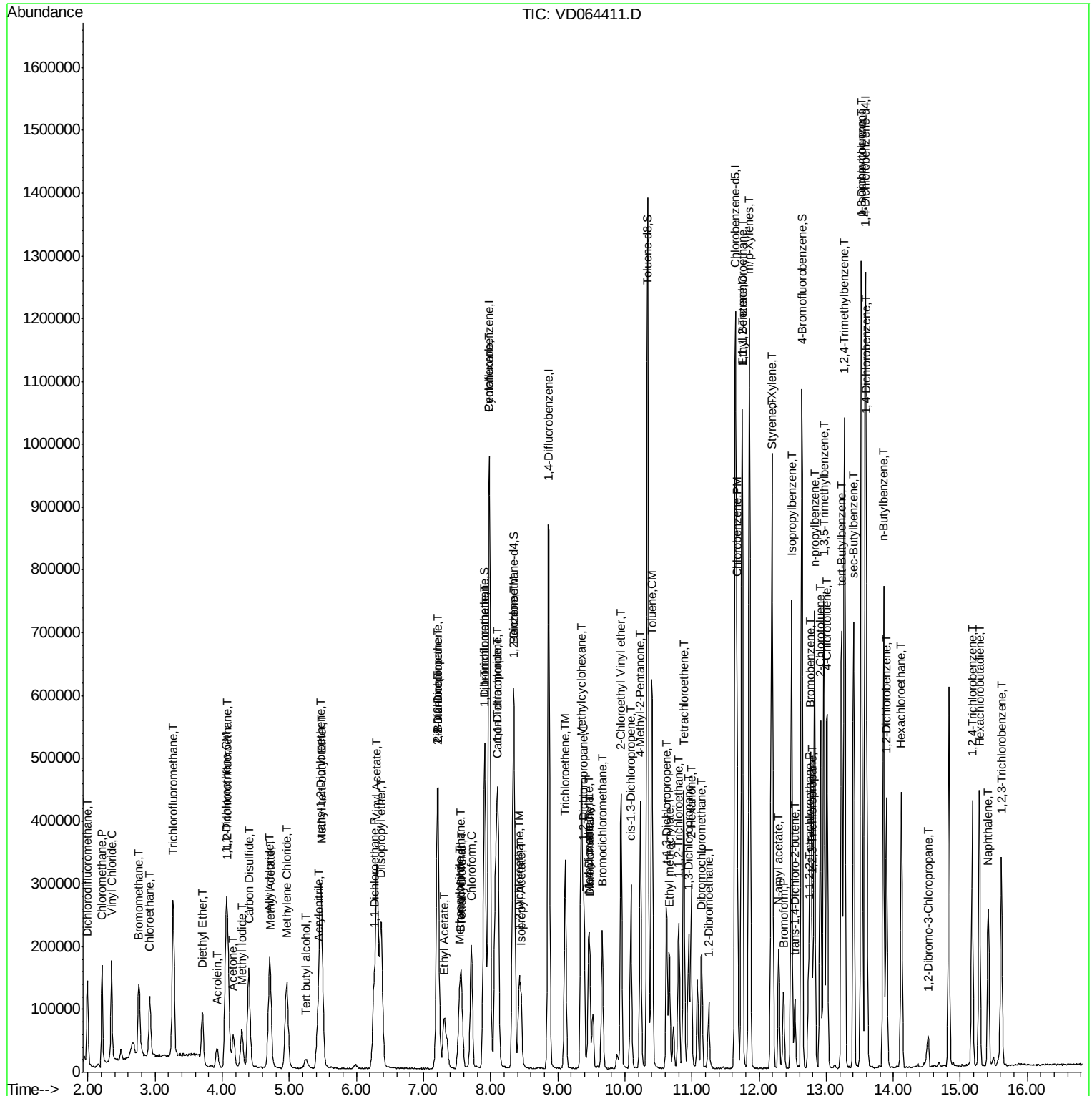
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 Data File : VD064411.D
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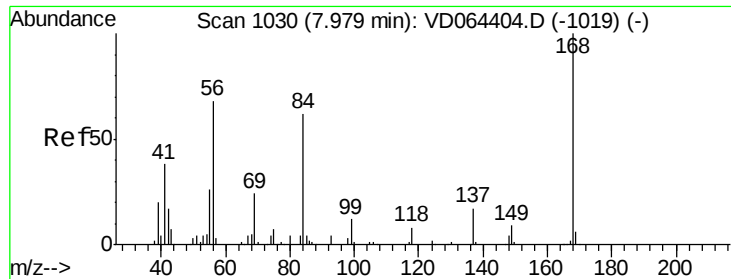
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion:168 Resp: 538442

Ion Ratio Lower Upper

168 100

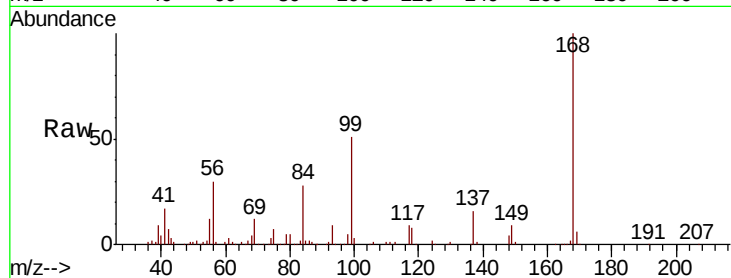
99 51.0 40.7 61.1

Manual Integrations

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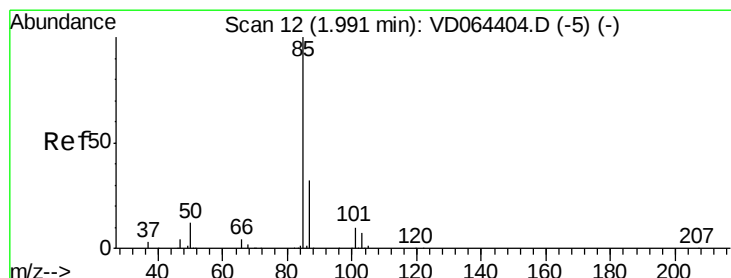
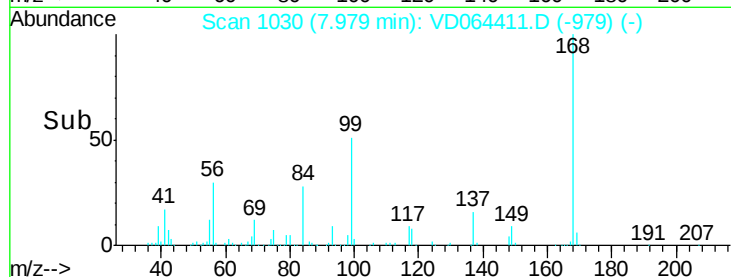
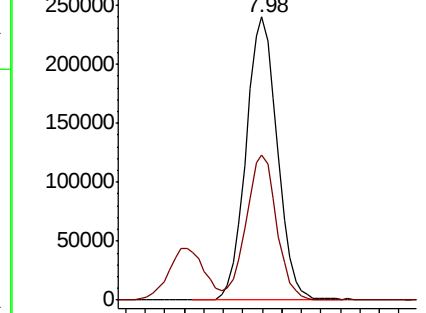
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.558 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064411.D

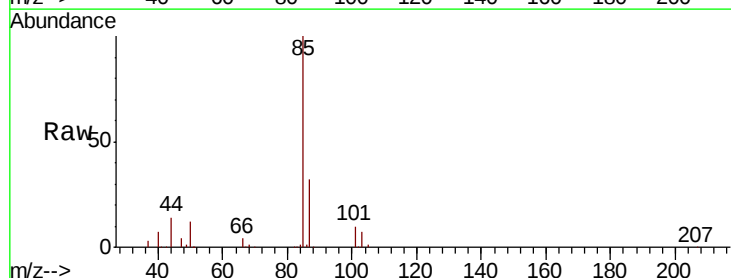
Acq: 04 Dec 2019 12:30

Tgt Ion: 85 Resp: 105178

Ion Ratio Lower Upper

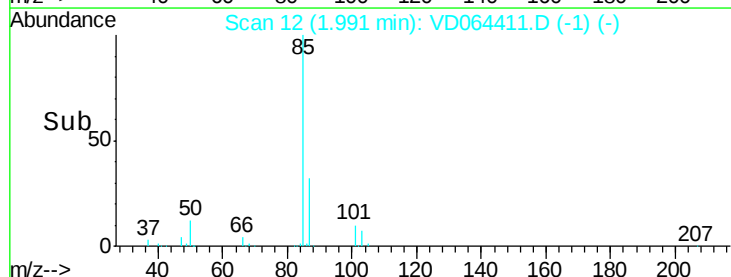
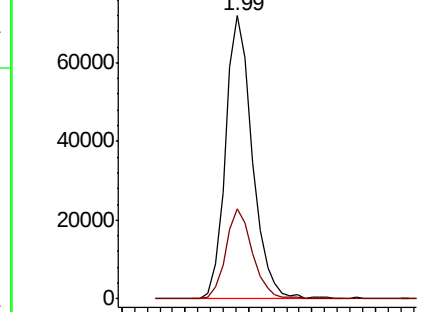
85 100

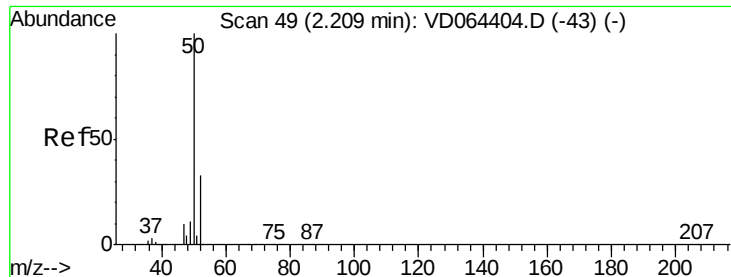
87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.905 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 50 Resp: 128639

Ion Ratio Lower Upper

50 100

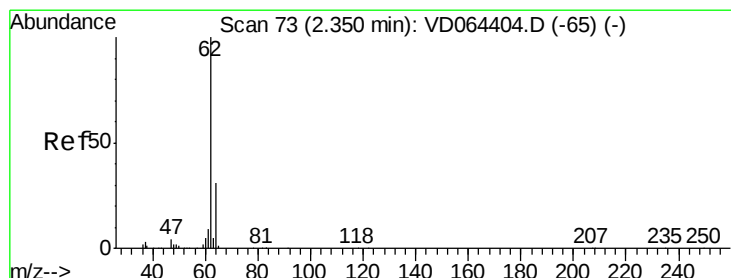
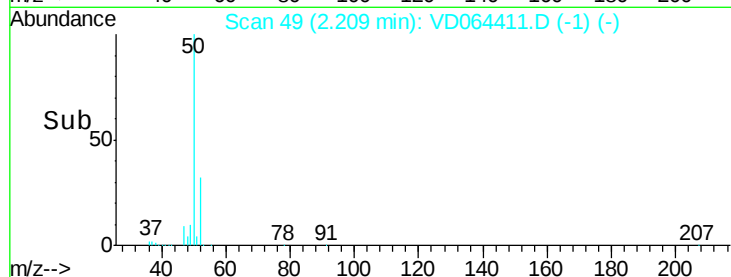
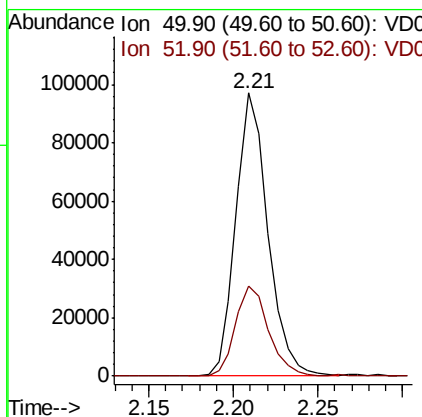
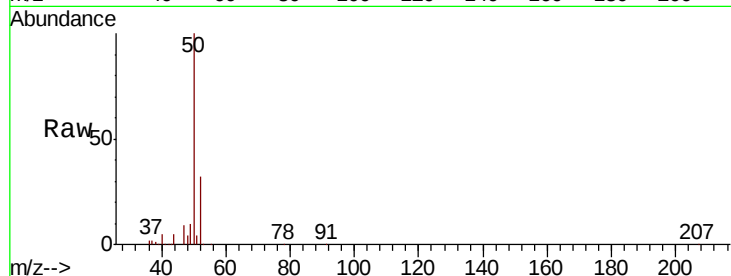
52 32.0 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.636 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064411.D

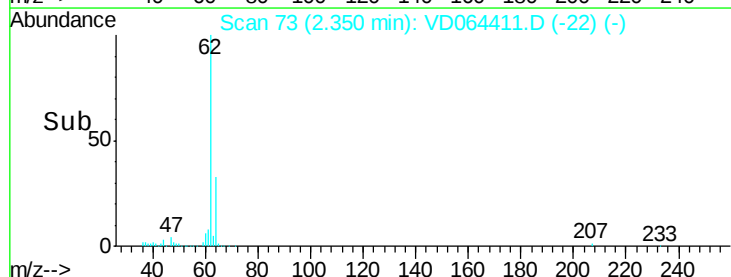
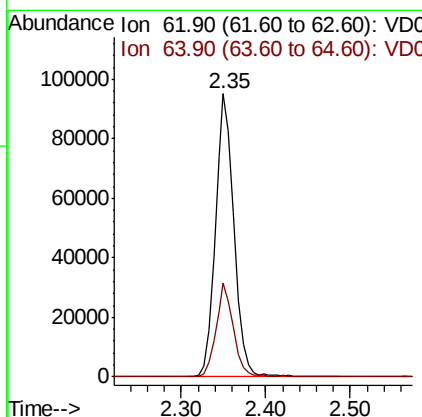
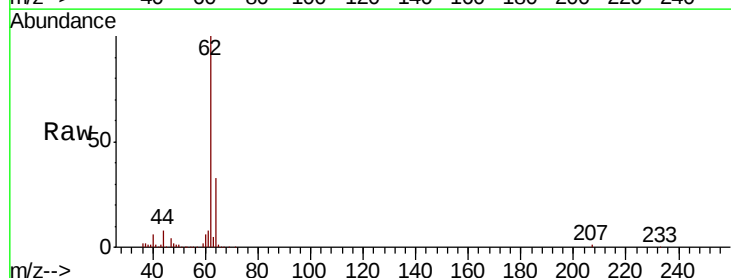
Acq: 04 Dec 2019 12:30

Tgt Ion: 62 Resp: 146616

Ion Ratio Lower Upper

62 100

64 33.2 25.0 37.4





#5

Bromomethane

Concen: 18.256 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 94 Resp: 95922

Ion Ratio Lower Upper

94 100

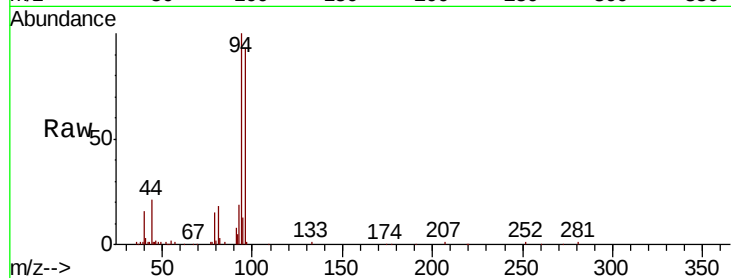
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Manual Integrations

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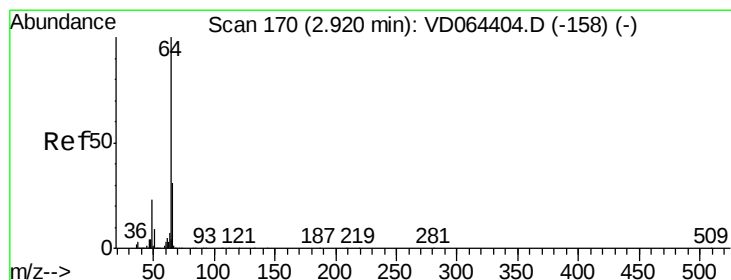
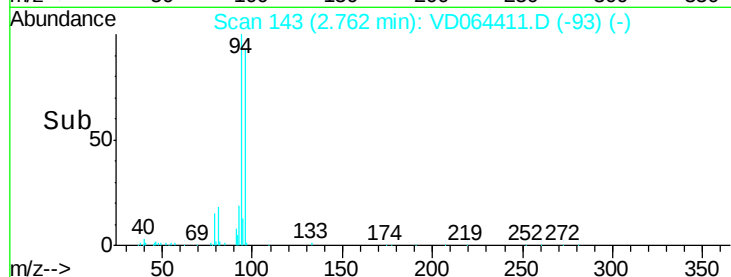
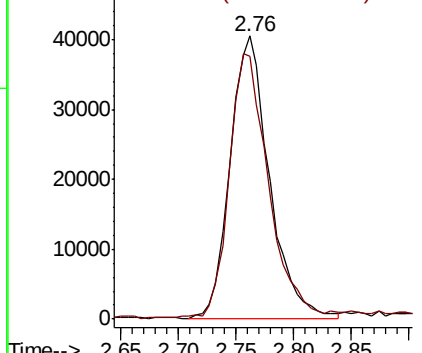
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.013 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064411.D

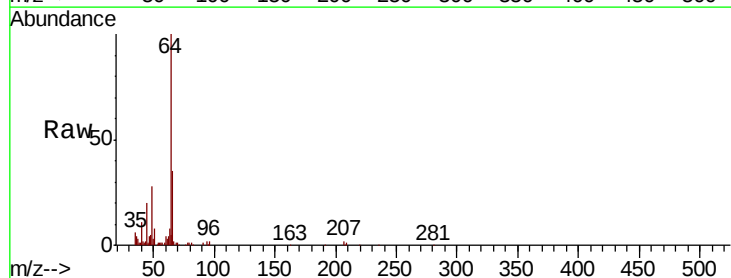
Acq: 04 Dec 2019 12:30

Tgt Ion: 64 Resp: 95041

Ion Ratio Lower Upper

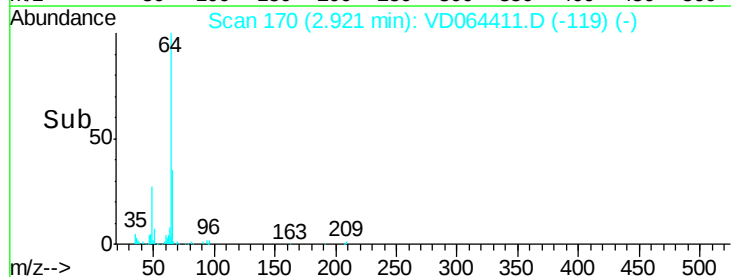
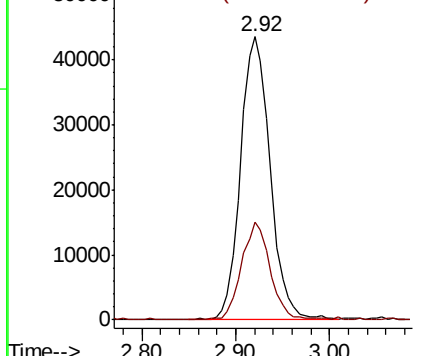
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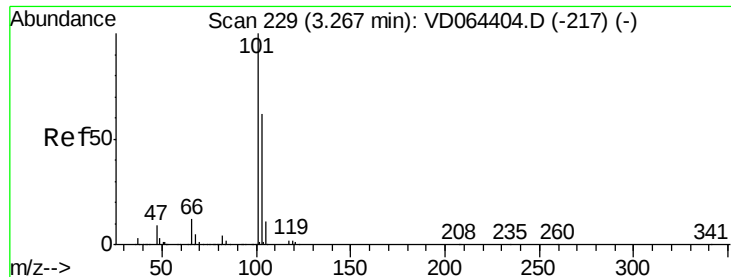
66 34.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

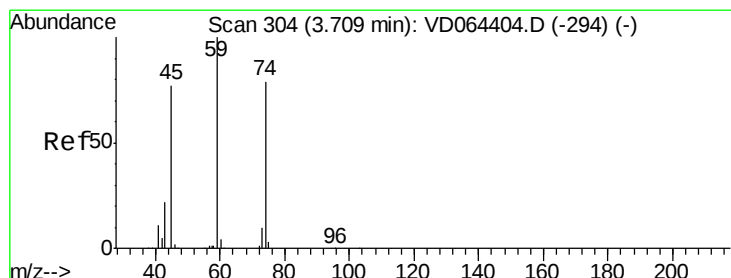
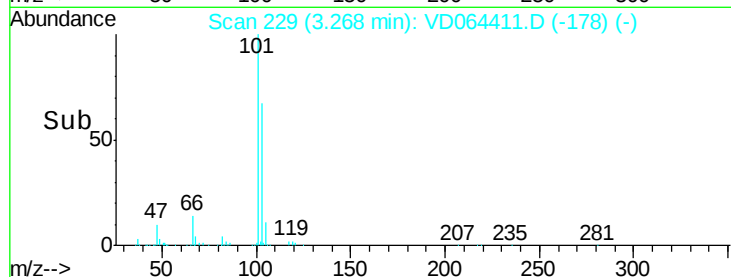
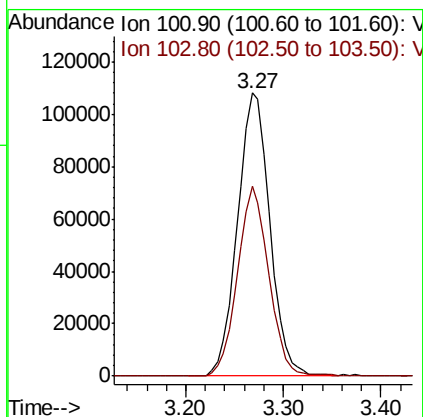
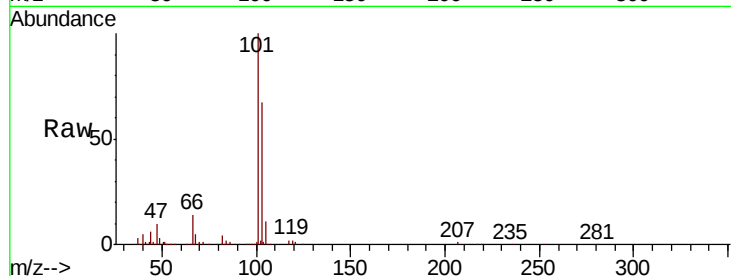
Trichlorofluoromethane
Concen: 21.228 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
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ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	49.8	74.6

Manual Integrations
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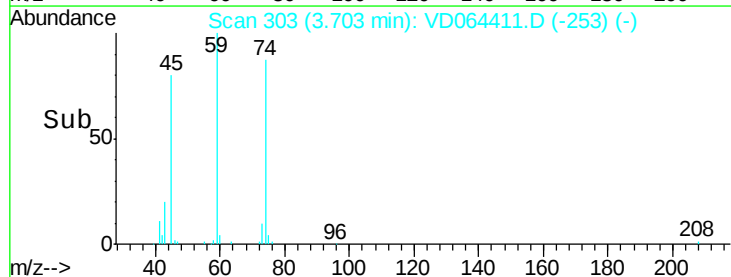
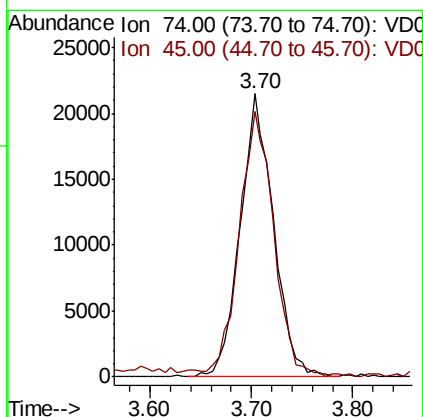
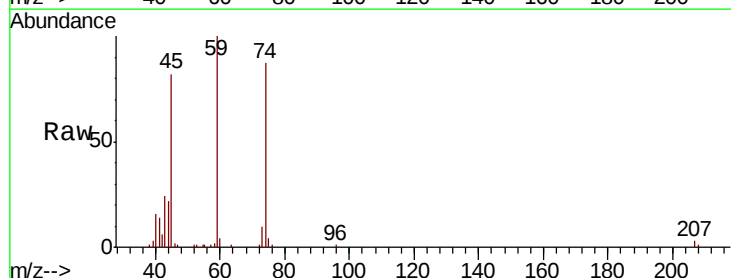
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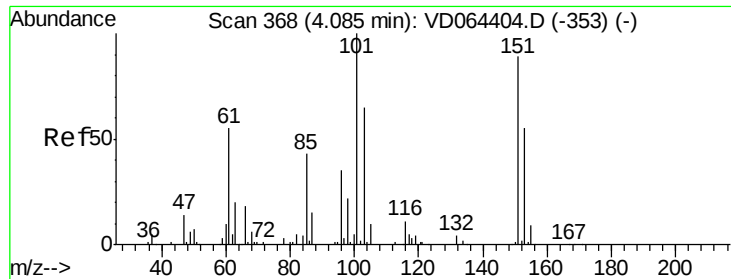


#8

Diethyl Ether
Concen: 19.937 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.583 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

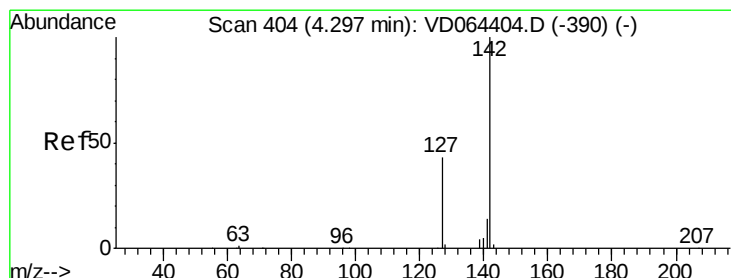
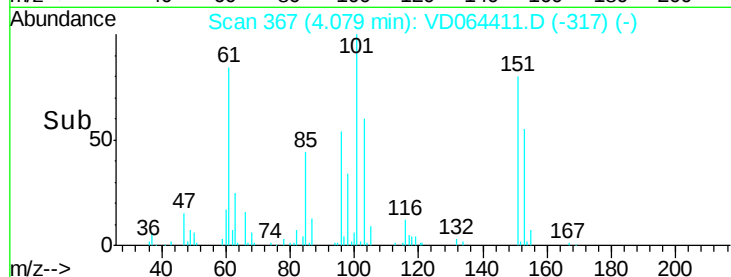
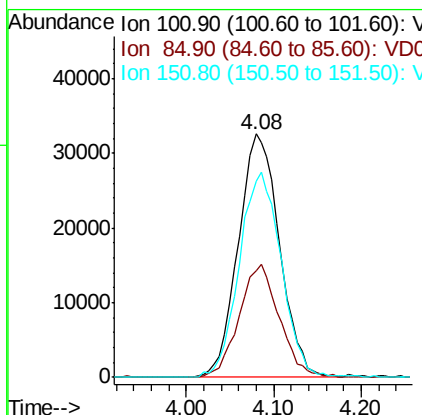
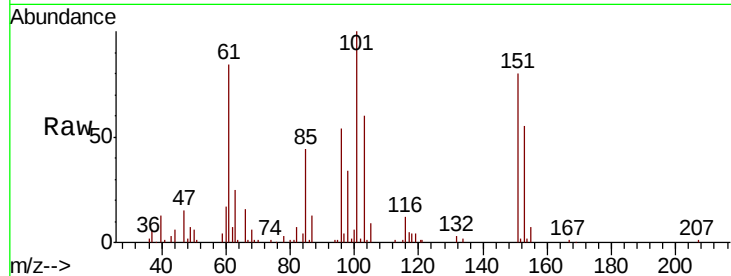
ClientSampleId :

VD1204SBS01

Tot Ion:	101	Resp:	104237
Ion Ratio	Lower	Upper	
101	100		
85	45.4	34.8	52.2
151	86.1	68.8	103.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.157 ug/l

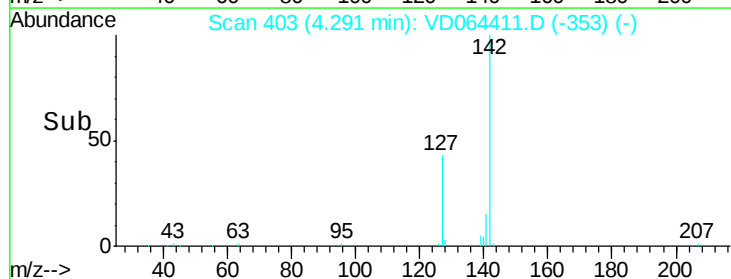
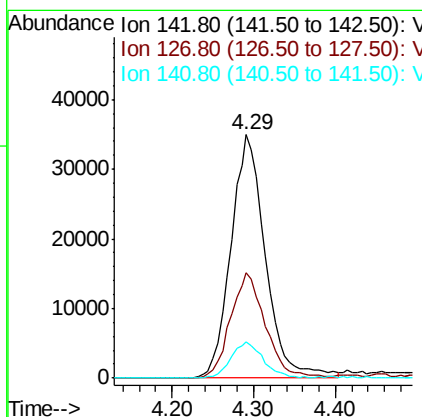
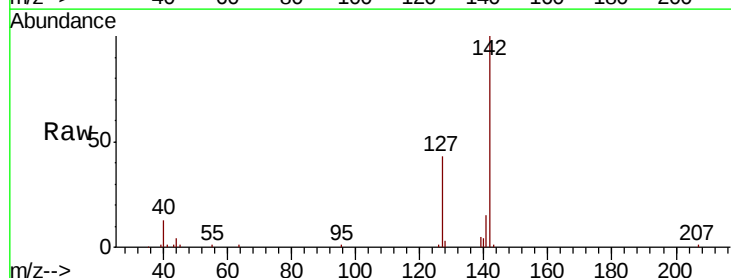
RT: 4.29 min Scan# 403

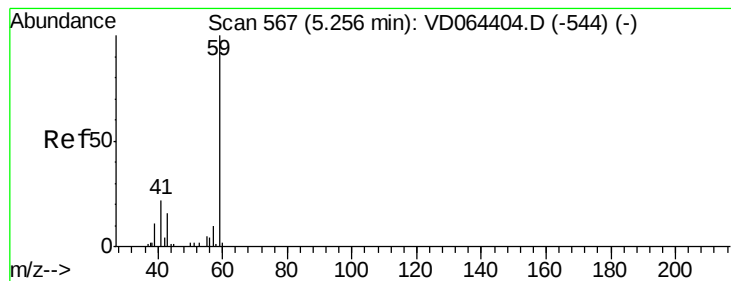
Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Tgt Ion:	142	Resp:	102453
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.3	52.9
141	13.7	11.6	17.4





#11

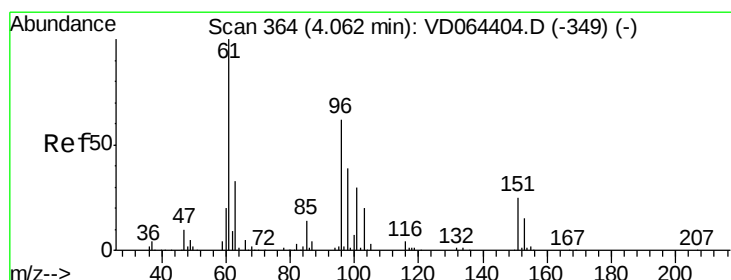
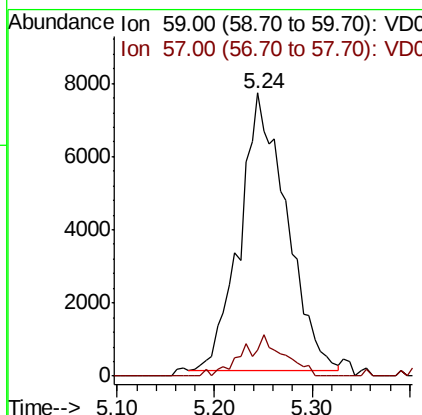
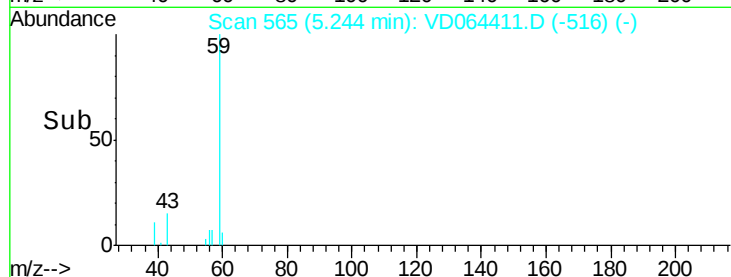
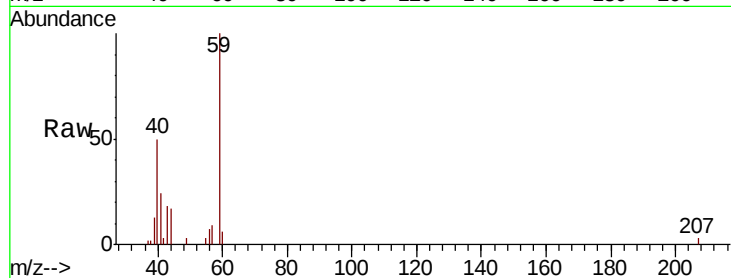
Tert butyl alcohol
Concen: 81.319 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 59 Resp: 25228
Ion Ratio Lower Upper
59 100
57 12.8 0.0 0.0#

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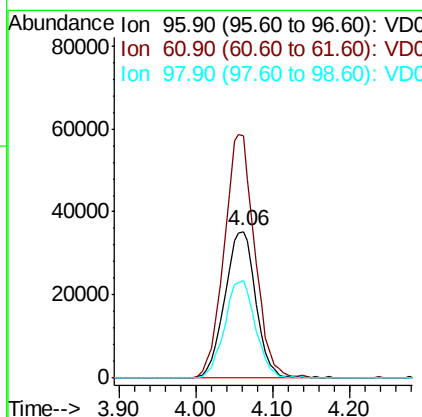
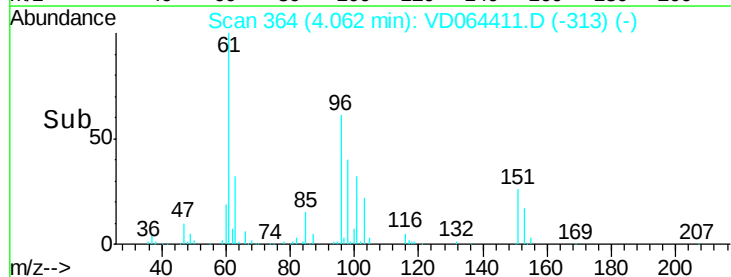
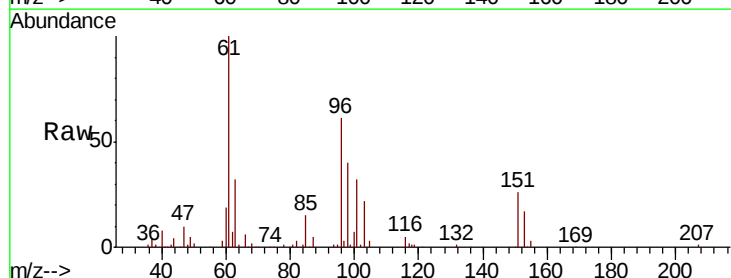
apatel
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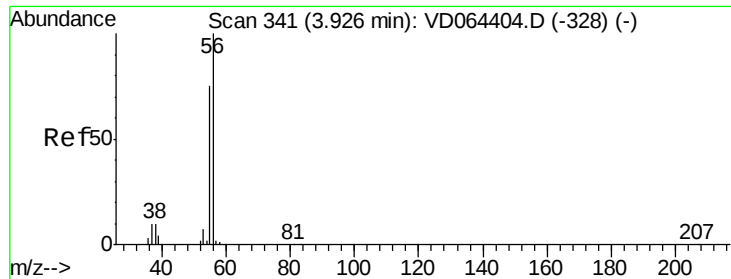


#12

1,1-Dichloroethene
Concen: 20.441 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion: 96 Resp: 99205
Ion Ratio Lower Upper
96 100
61 165.2 128.2 192.4
98 66.4 50.4 75.6





#13

Acrolein

Concen: 86.961 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 56 Resp: 36798

Ion Ratio Lower Upper

56 100

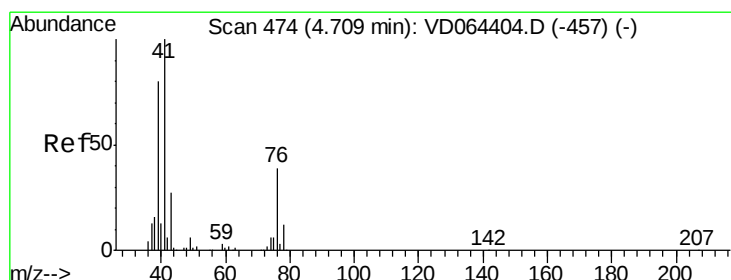
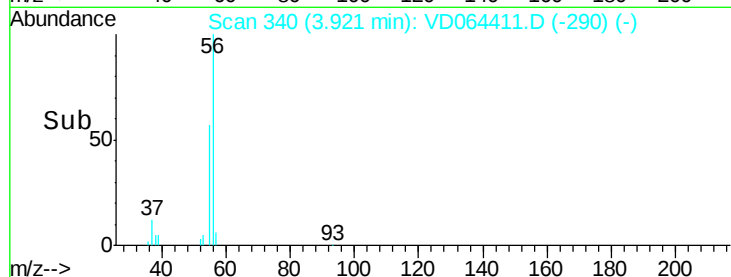
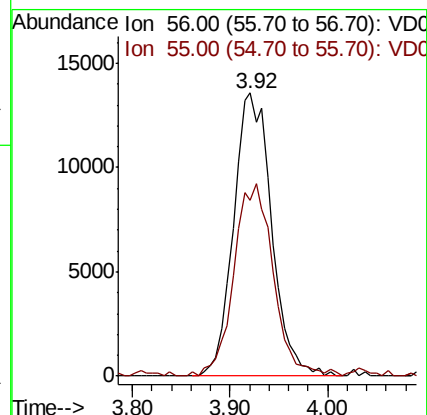
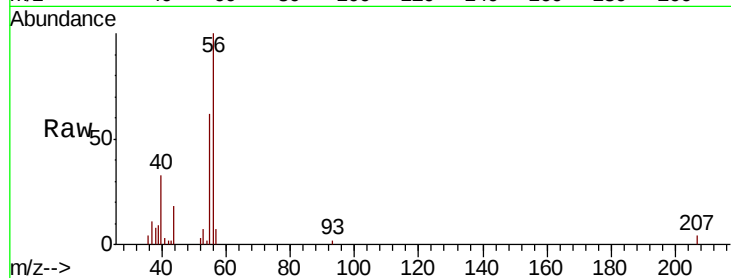
55 70.8 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 21.157 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

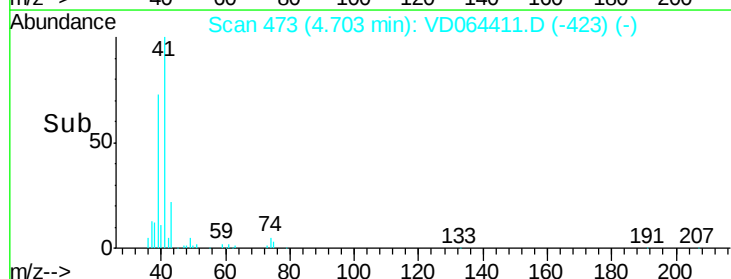
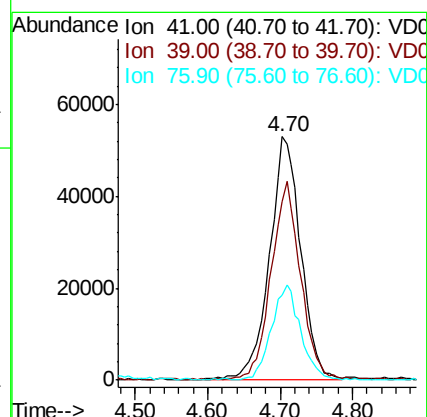
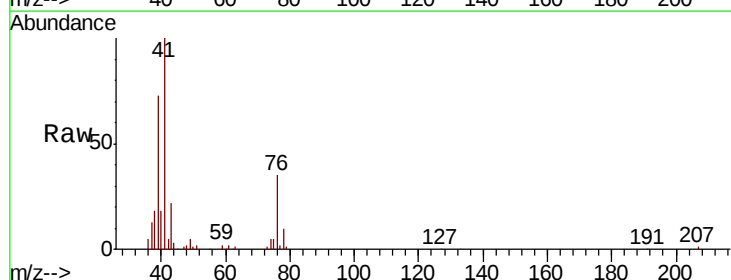
Tgt Ion: 41 Resp: 160246

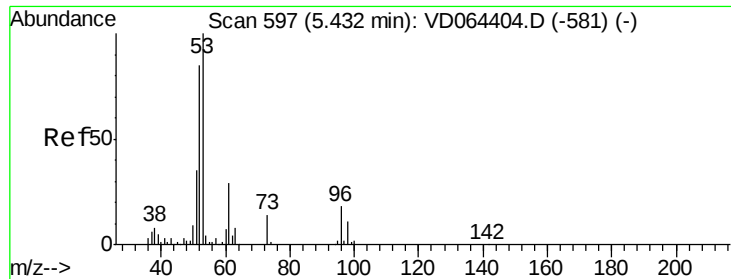
Ion Ratio Lower Upper

41 100

39 77.0 62.1 93.1

76 36.6 29.8 44.8





#15

Acrylonitrile

Concen: 92.059 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

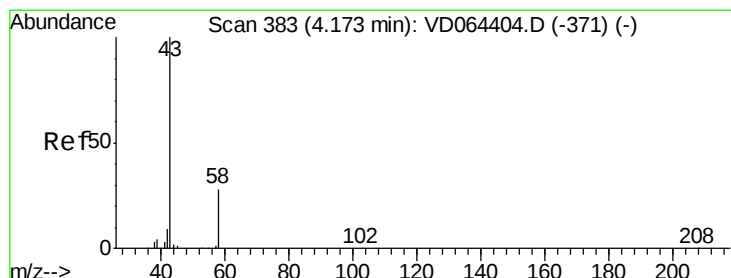
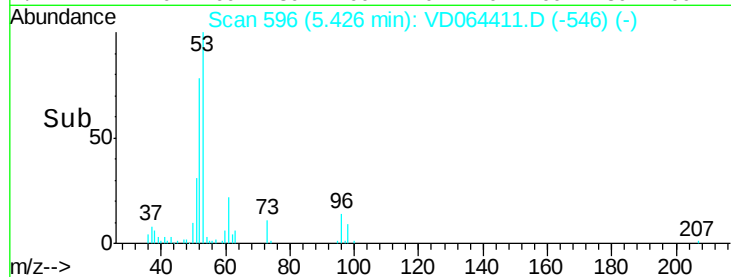
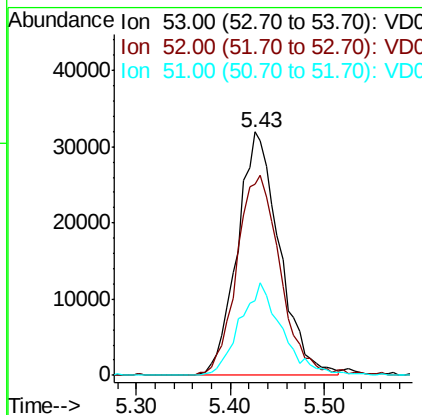
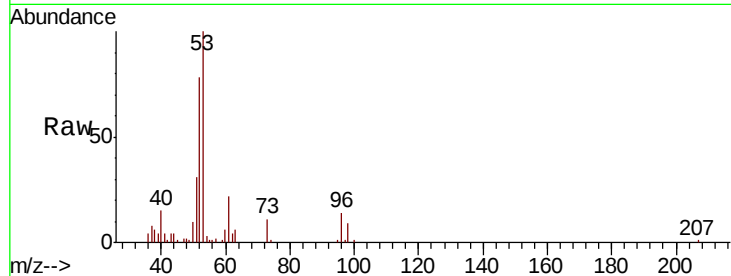
ClientSampleId :

VD1204SBS01

Tot Ion:	53	Resp:	98806
Ion Ratio	Lower	Upper	
53	100		
52	85.7	67.9	101.9
51	38.1	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 92.863 ug/l

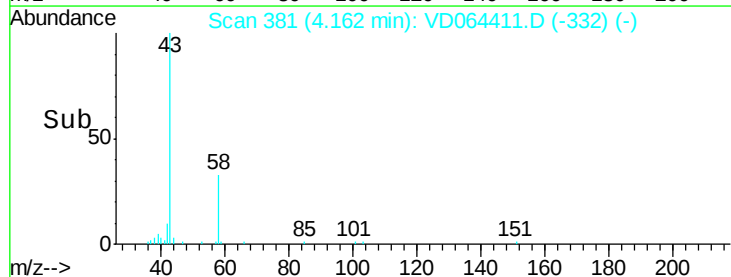
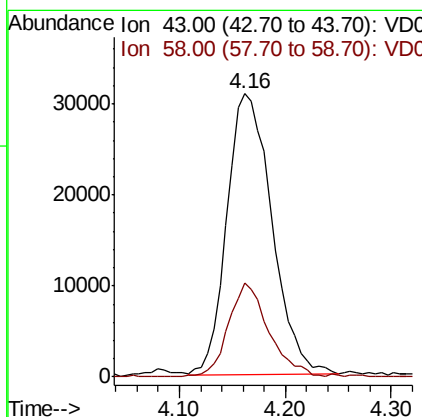
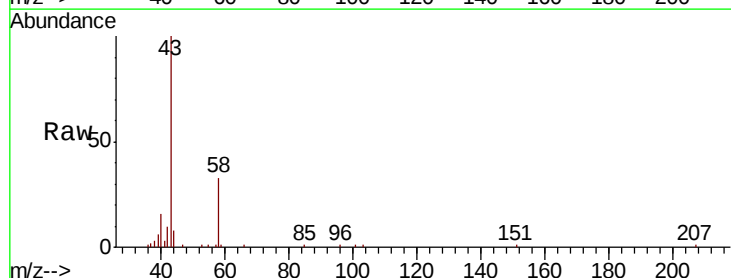
RT: 4.16 min Scan# 381

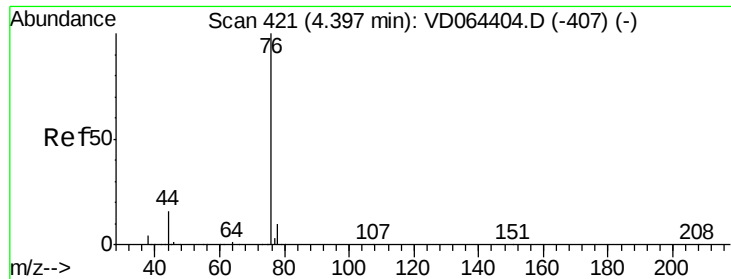
Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Tgt Ion:	43	Resp:	91458
Ion Ratio	Lower	Upper	
43	100		
58	33.0	22.6	33.8





#17

Carbon Disulfide

Concen: 21.008 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 76 Resp: 322910

Ion Ratio Lower Upper

76 100

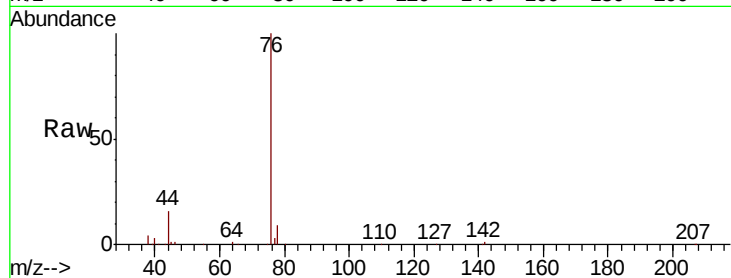
78 9.2 7.8 11.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

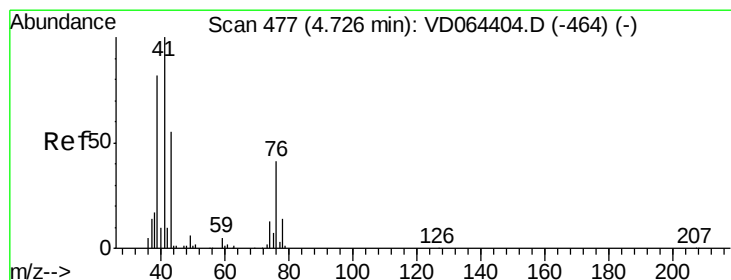
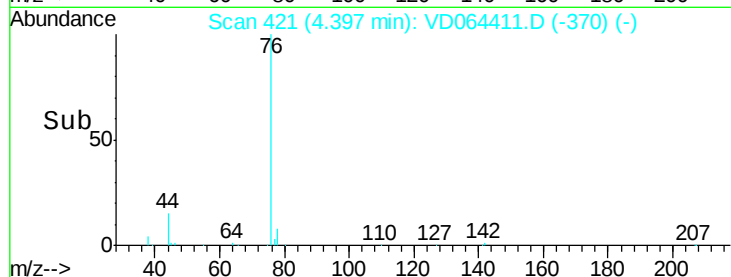
4.40

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.441 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064411.D

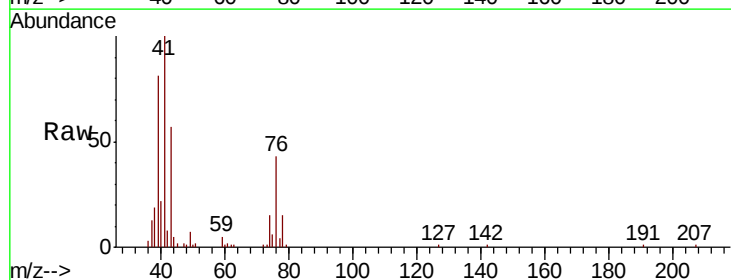
Acq: 04 Dec 2019 12:30

Tgt Ion: 43 Resp: 55850

Ion Ratio Lower Upper

43 100

74 25.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

20000

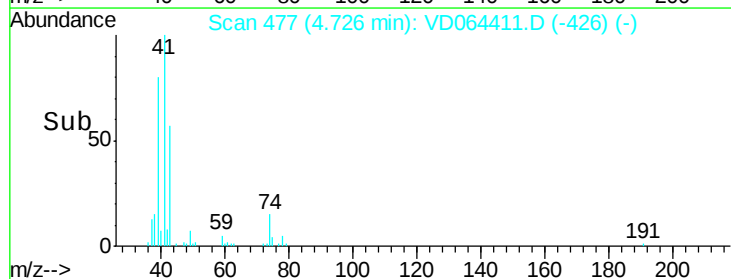
15000

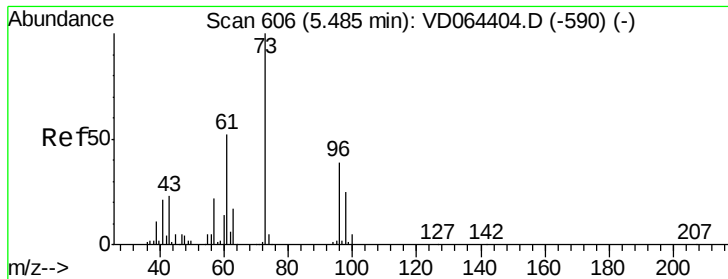
10000

5000

0

Time-->





#19

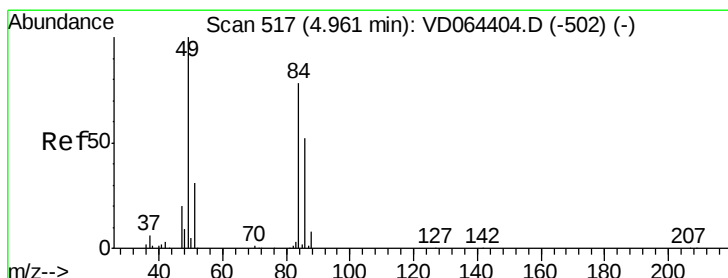
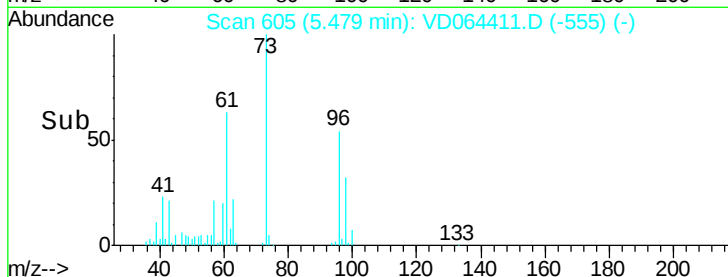
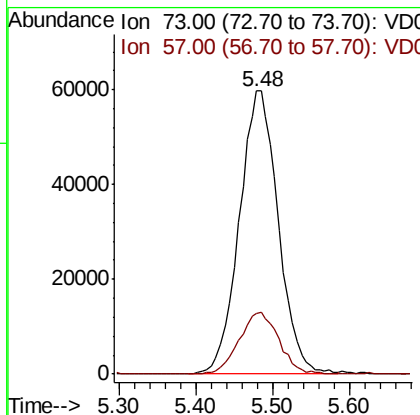
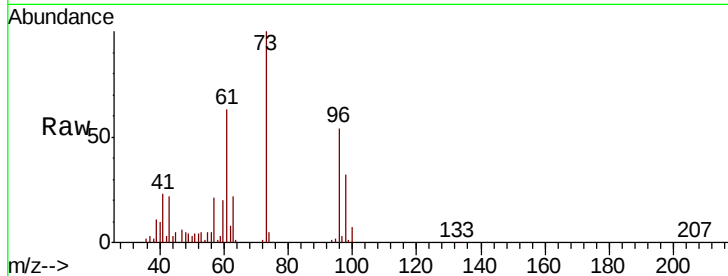
Methyl tert-butyl Ether
 Concen: 18.931 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion: 73 Resp: 210756
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.6 26.4

Manual Integrations
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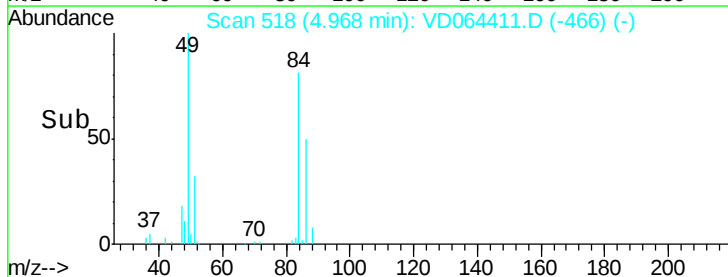
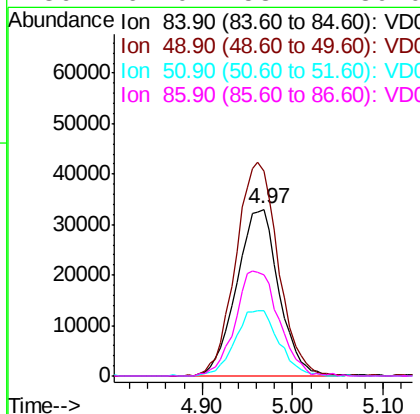
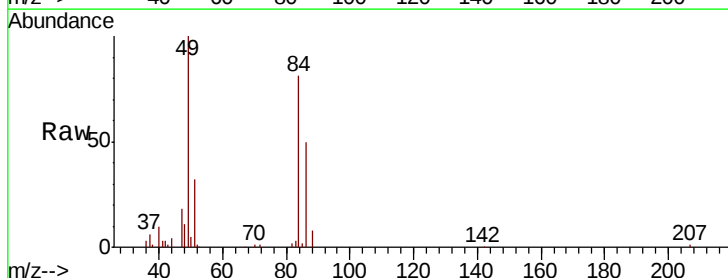
apatel
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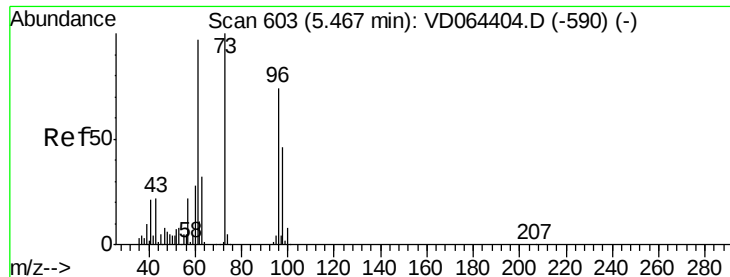


#20

Methylene Chloride
 Concen: 18.657 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Tgt Ion: 84 Resp: 107314
 Ion Ratio Lower Upper
 84 100
 49 122.3 102.6 153.8
 51 39.2 32.0 48.0
 86 61.0 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 20.659 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 96 Resp: 113411

Ion Ratio Lower Upper

96 100

61 137.8 105.8 158.6

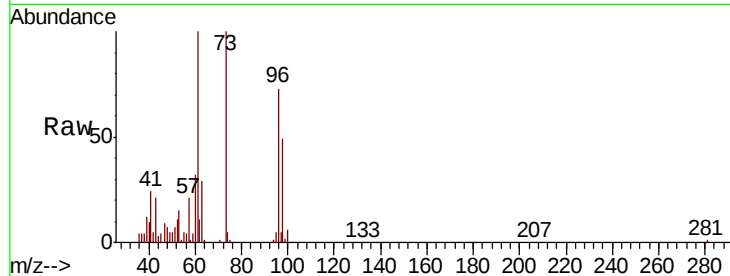
98 67.0 50.1 75.1

Manual Integrations

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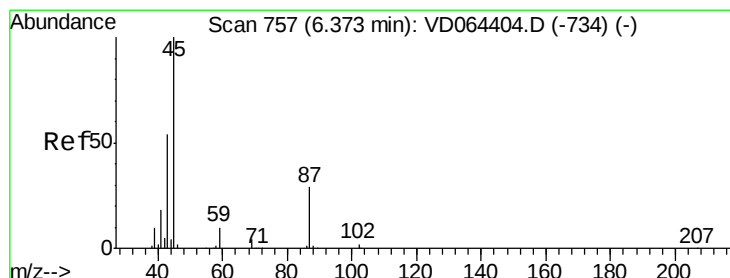
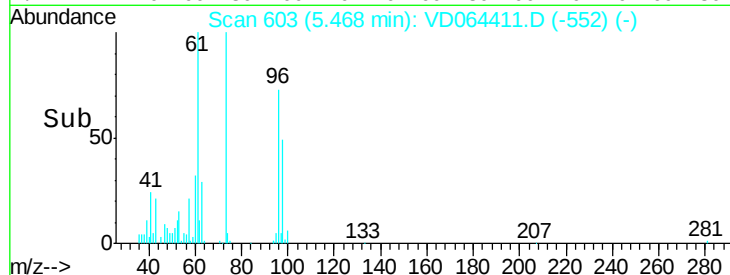
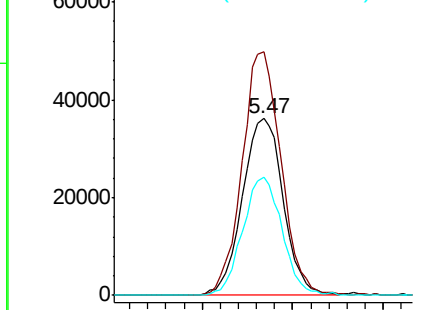
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.404 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Tgt Ion: 45 Resp: 305083

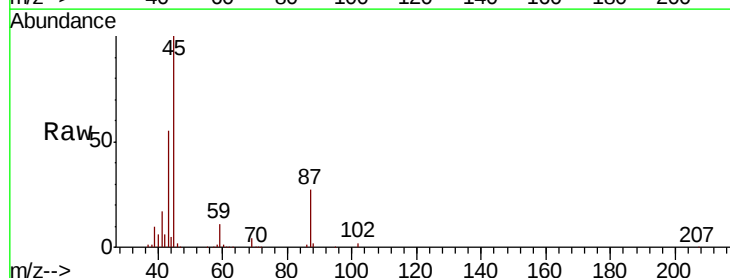
Ion Ratio Lower Upper

45 100

43 54.2 43.1 64.7

87 26.8 23.5 35.3

59 10.6 8.2 12.2

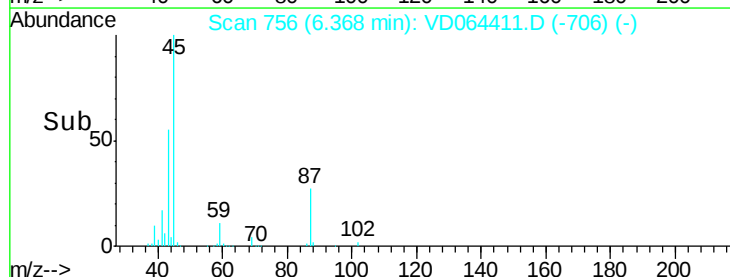
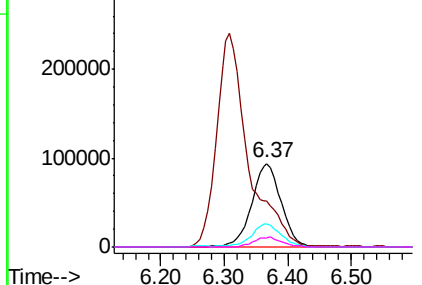


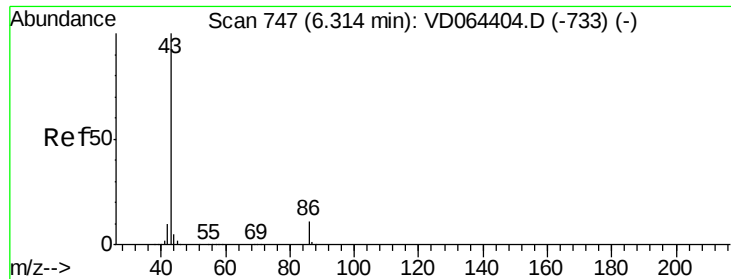
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 94.745 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleID :

VD1204SBS01

Tot Ion: 43 Resp: 835165

Ion Ratio Lower Upper

43 100

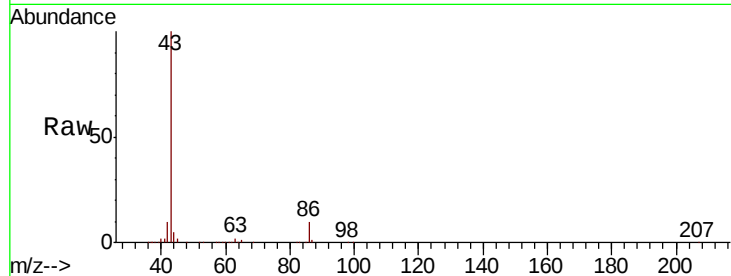
86 10.4 8.9 13.3

Manual Integrations

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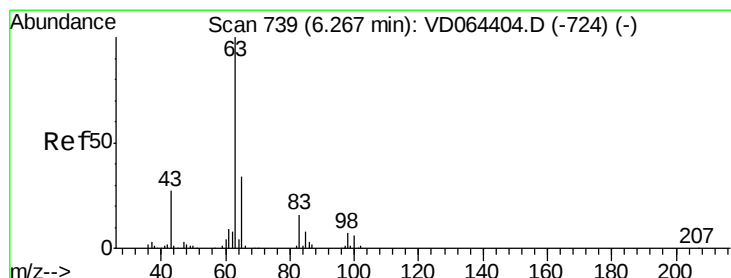
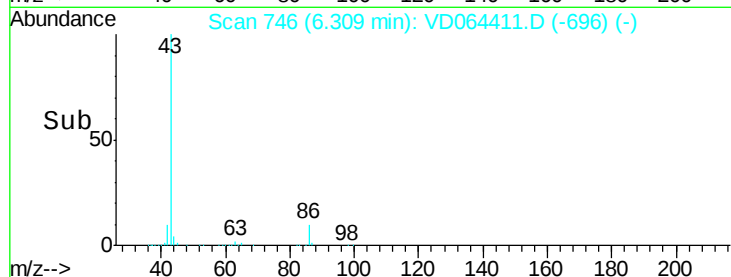
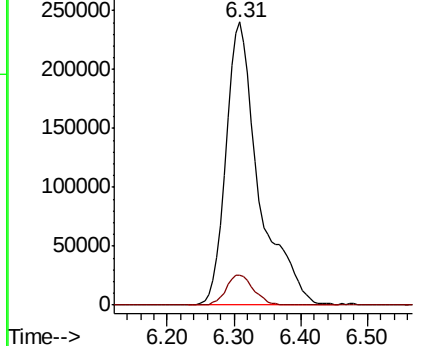
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.570 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

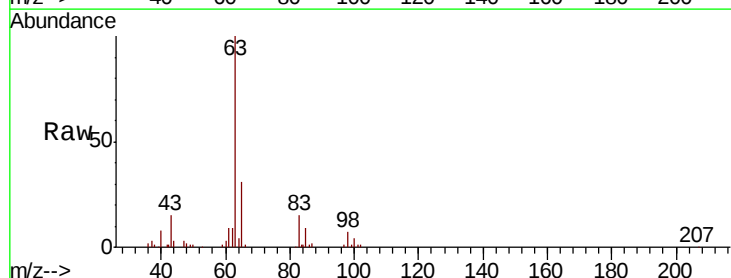
Tgt Ion: 63 Resp: 184970

Ion Ratio Lower Upper

63 100

98 6.7 3.6 10.9

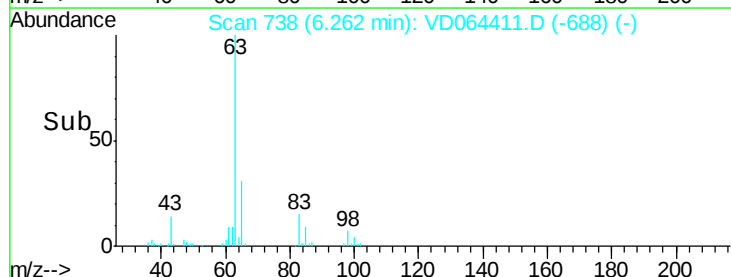
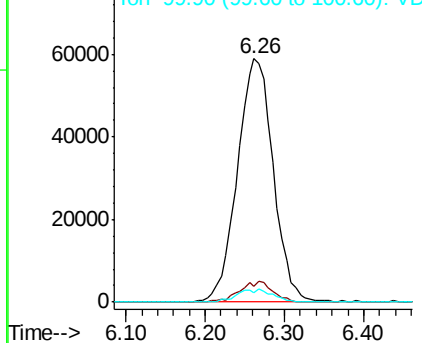
100 4.0 2.9 8.6

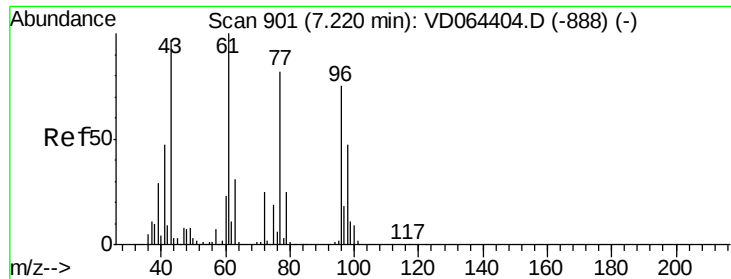


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 88.026 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 43 Resp: 122604

Ion Ratio Lower Upper

43 100

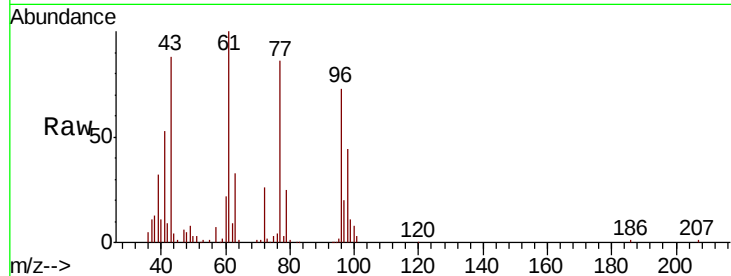
72 29.2 21.0 31.4

Manual Integrations

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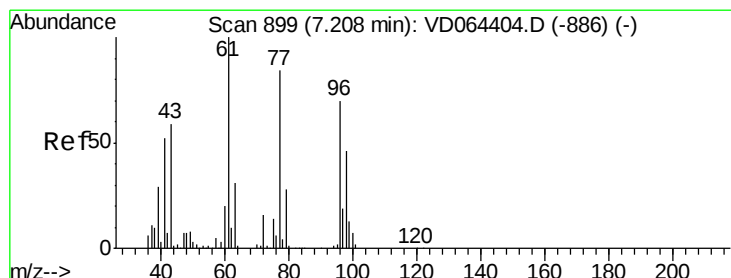
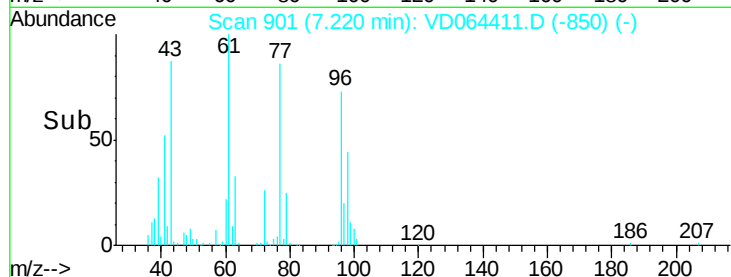
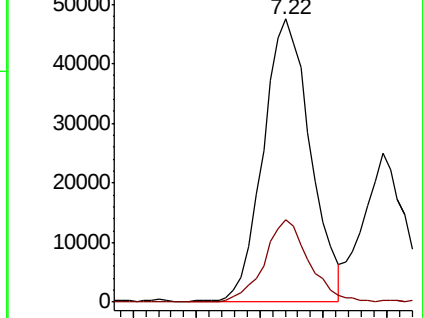
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.431 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064411.D

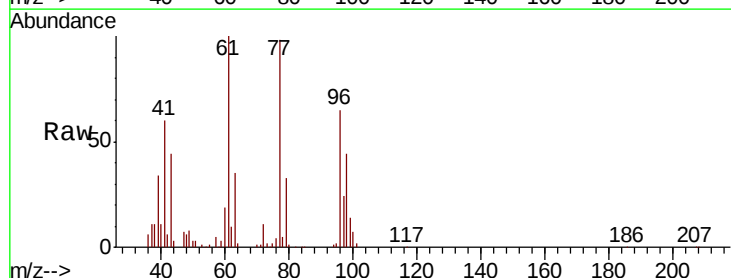
Acq: 04 Dec 2019 12:30

Tgt Ion: 77 Resp: 167594

Ion Ratio Lower Upper

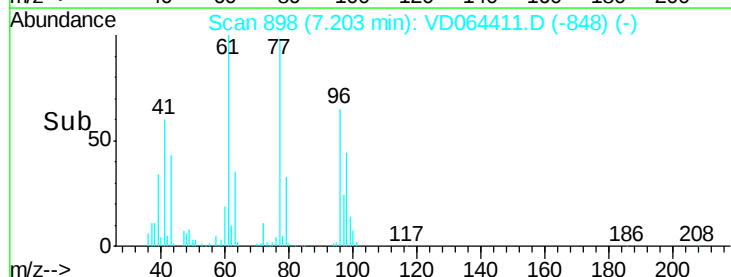
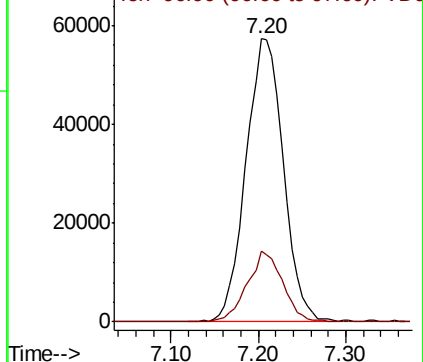
77 100

97 23.5 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

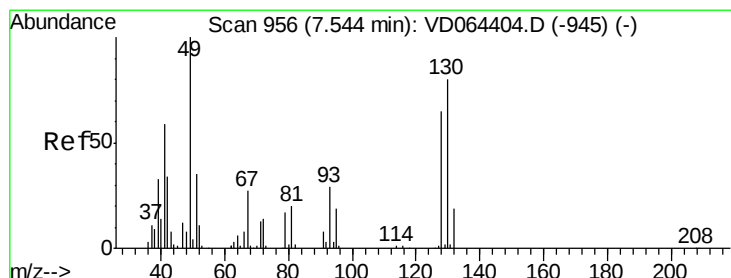
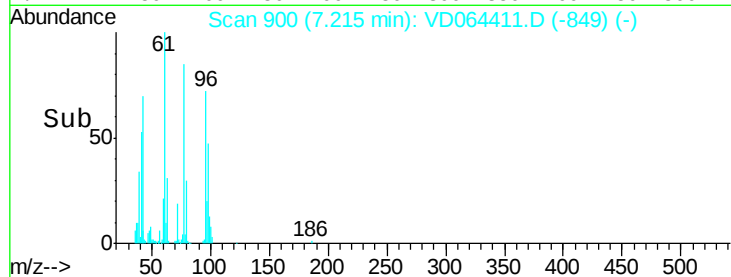
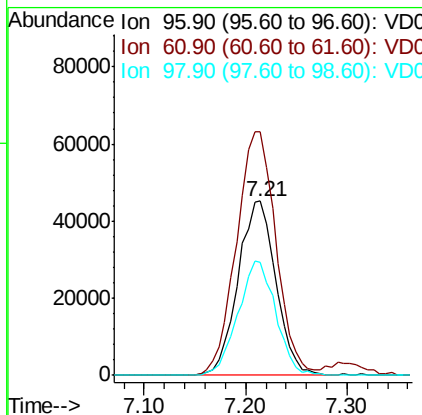
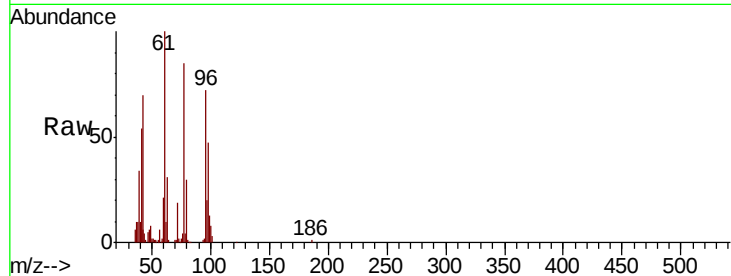
cis-1,2-Dichloroethene
 Concen: 19.660 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	279.6
98	65.6	0.0	129.2

Manual Integrations
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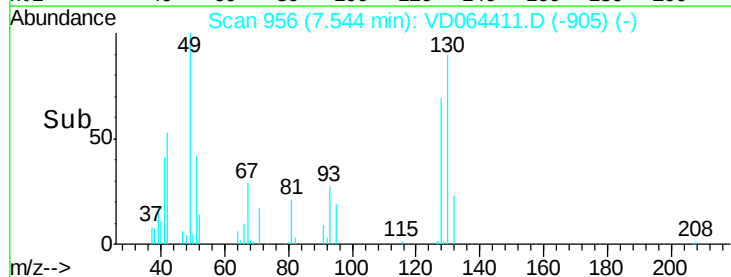
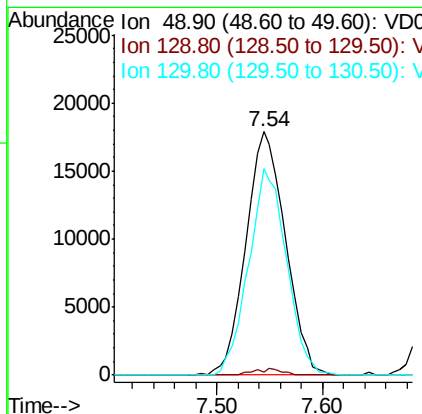
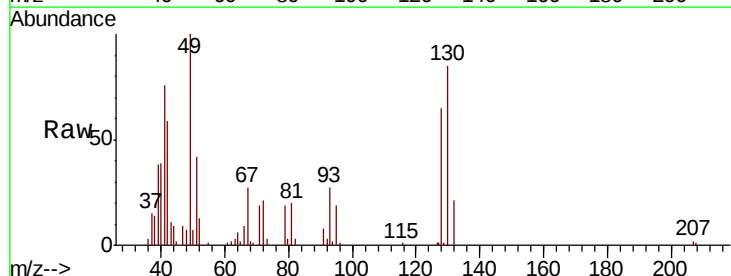
apatel
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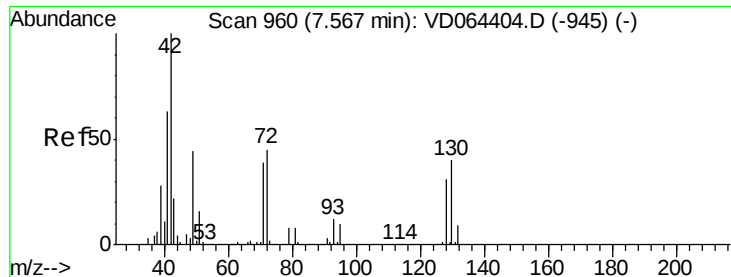


#28

Bromochloromethane
 Concen: 15.152 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	81.5	67.4	101.0





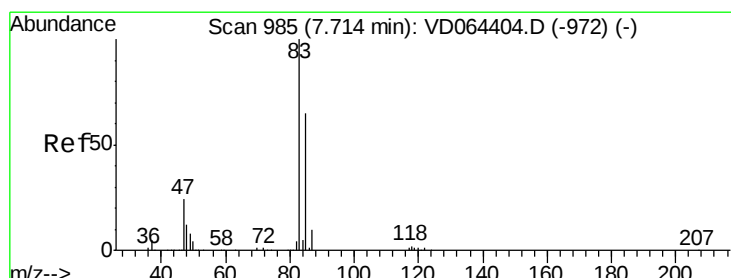
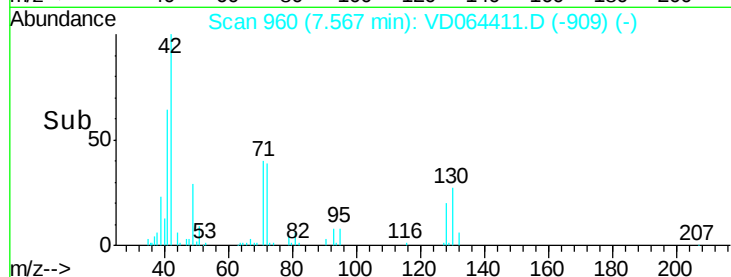
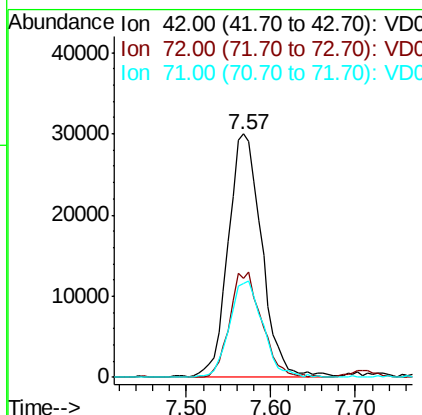
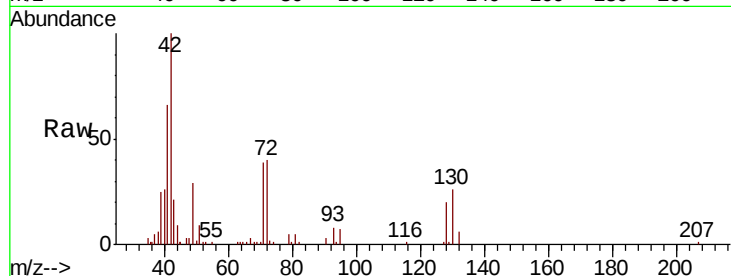
#29
Tetrahydrofuran
Concen: 93.127 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	35.8	53.8
71	39.0	32.7	49.1

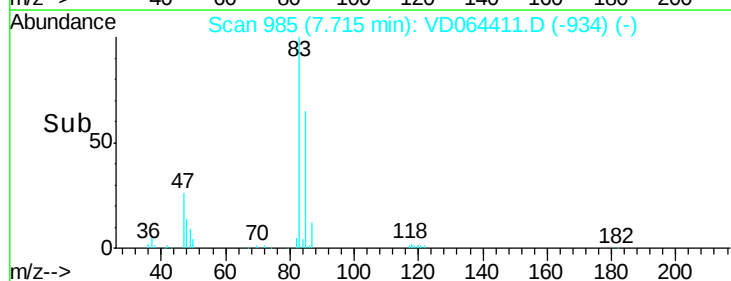
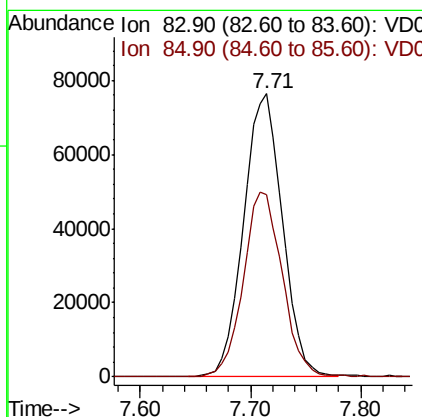
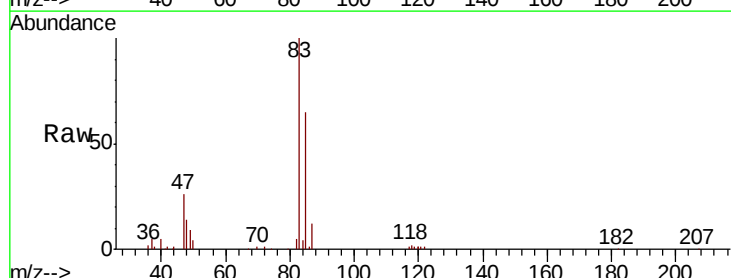
Manual Integrations
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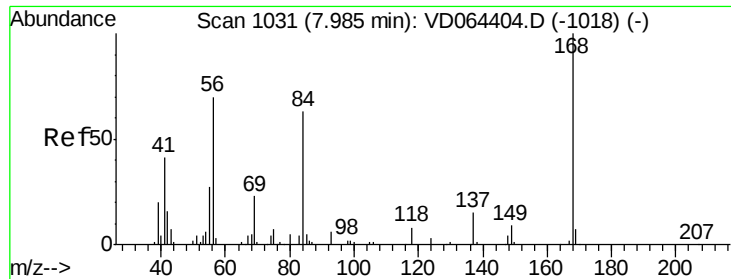
apatel
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#30
Chloroform
Concen: 20.286 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6





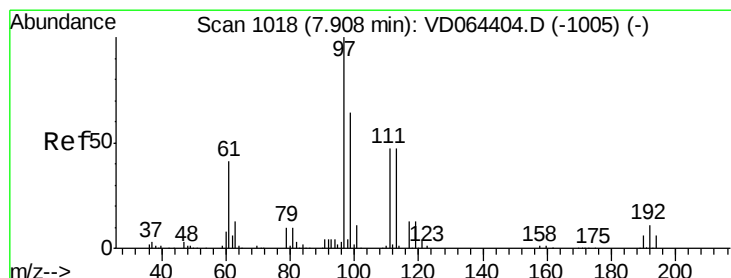
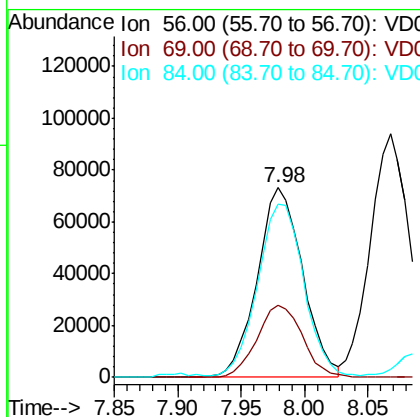
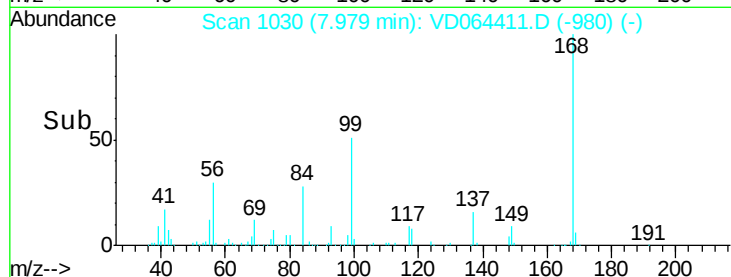
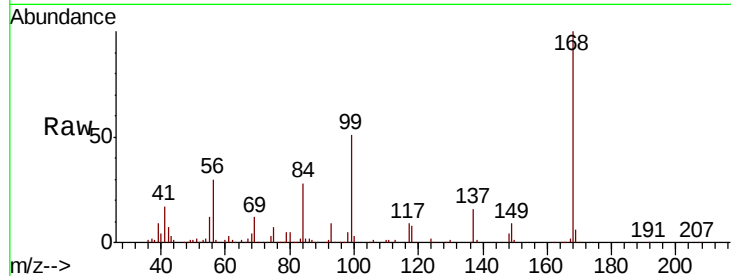
#31
Cyclohexane
Concen: 20.667 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.2	39.4
84	90.2	70.3	105.5

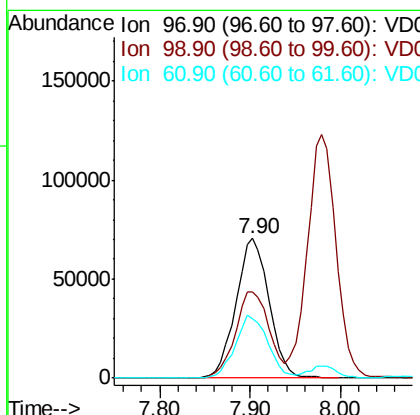
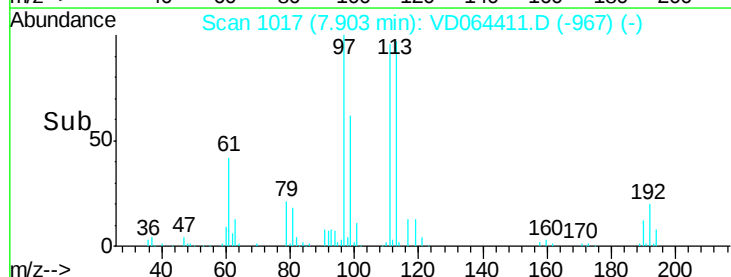
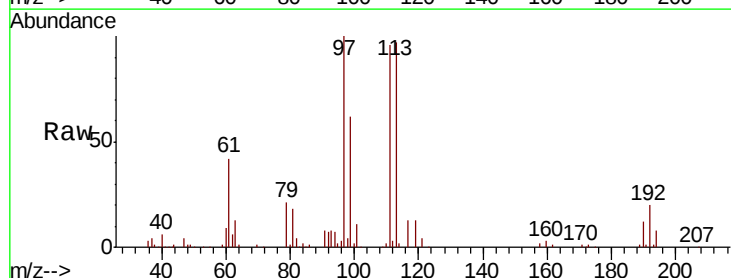
Manual Integrations
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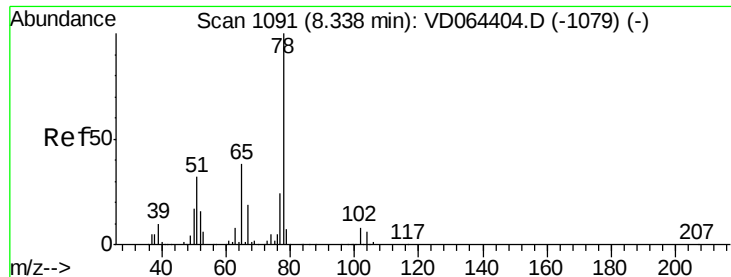
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#32
1,1,1-Trichloroethane
Concen: 20.729 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.4	77.2
61	44.1	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 47.657 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 65 Resp: 232267

Ion Ratio Lower Upper

65 100

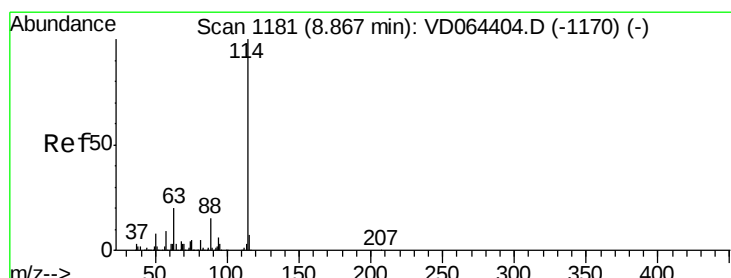
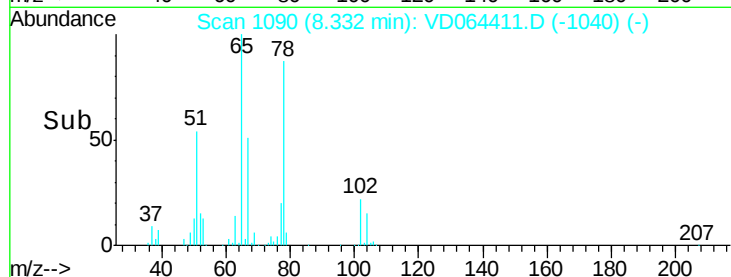
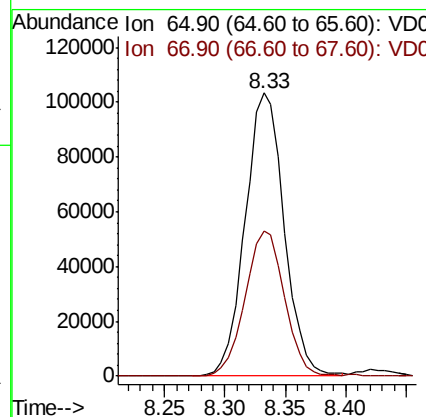
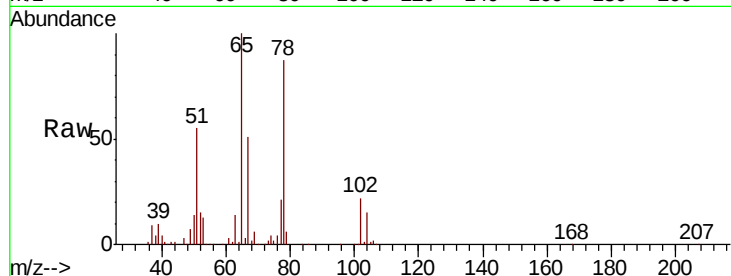
67 51.8 0.0 102.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

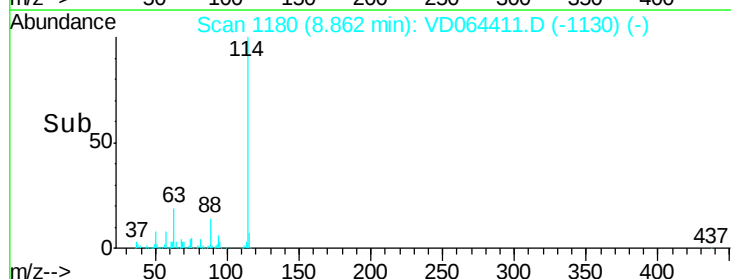
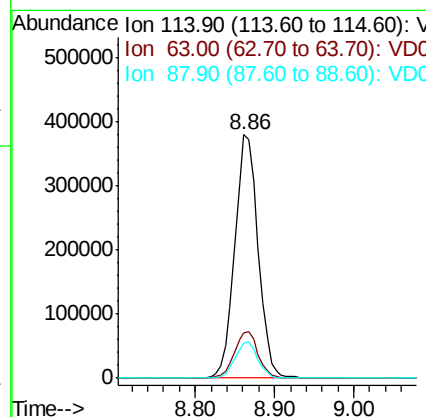
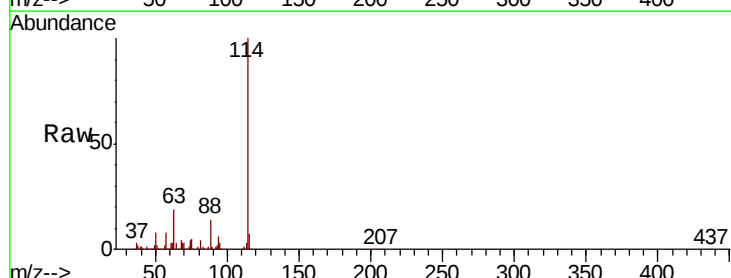
Tgt Ion: 114 Resp: 772927

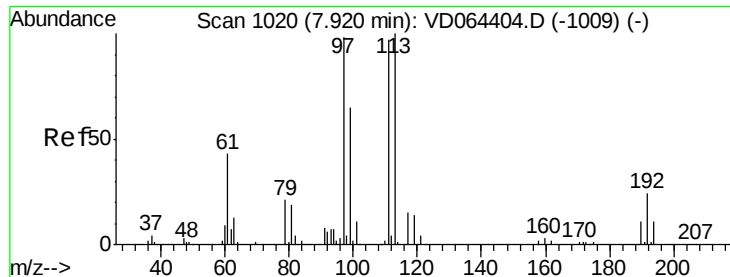
Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 14.1 0.0 29.2





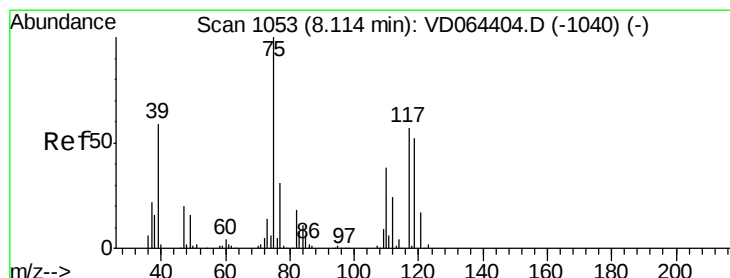
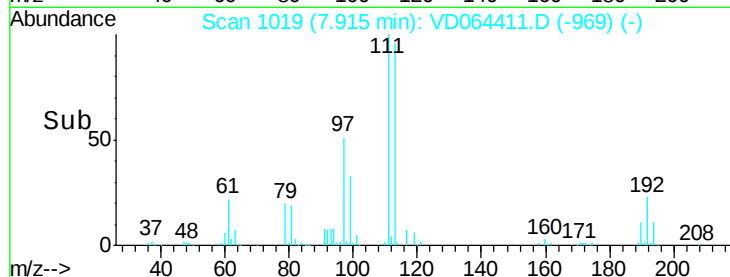
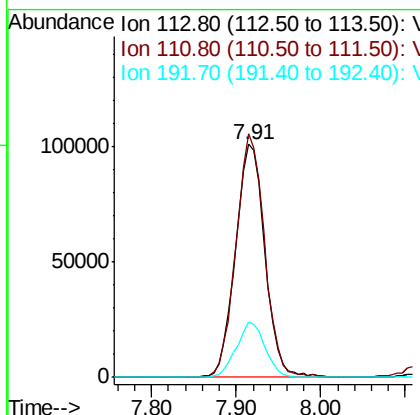
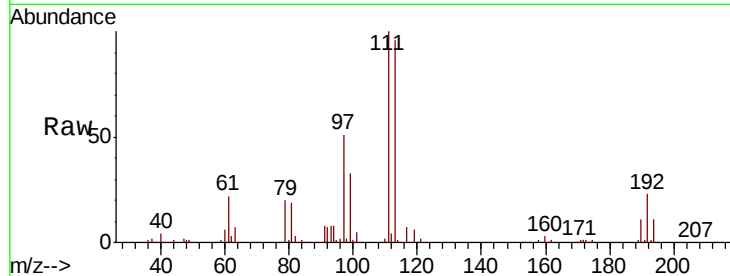
#35
 Dibromofluoromethane
 Concen: 49.621 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	241647		
111	102.0	79.4	119.2	
192	23.2	18.6	28.0	

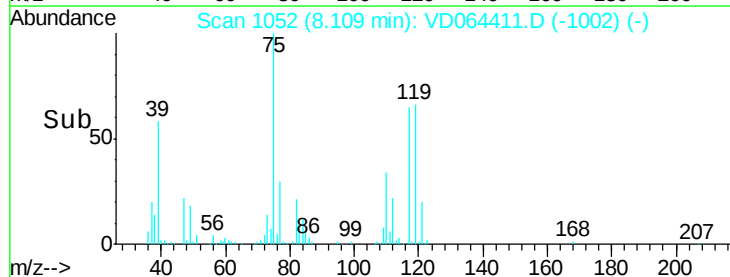
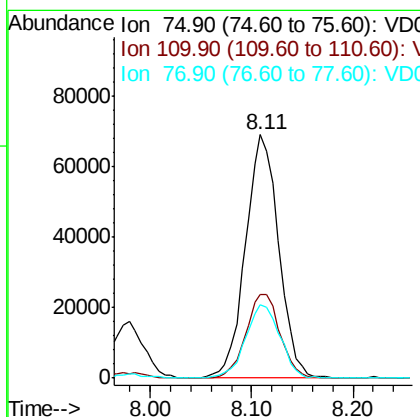
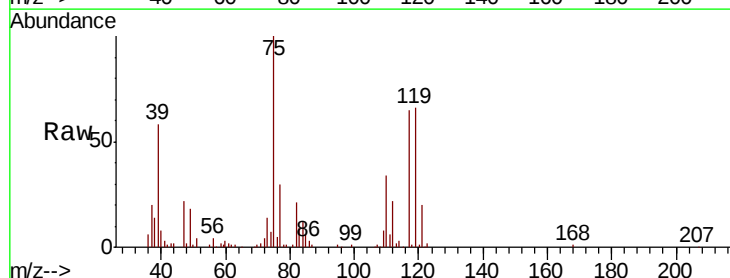
Manual Integrations
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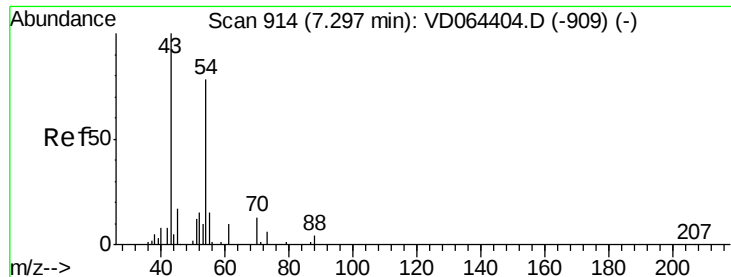
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#36
 1,1-Dichloropropene
 Concen: 21.530 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	157402		
110	35.3	18.6	55.8	
77	31.2	25.0	37.4	





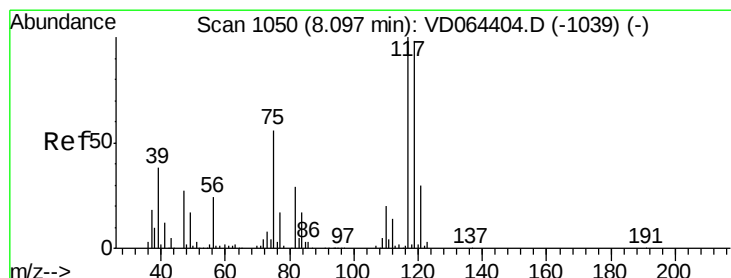
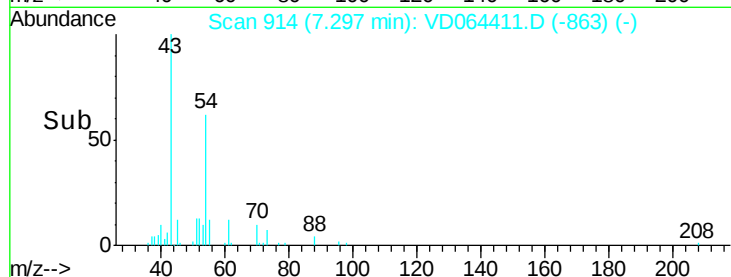
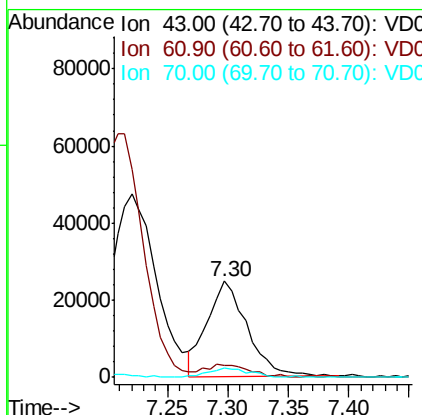
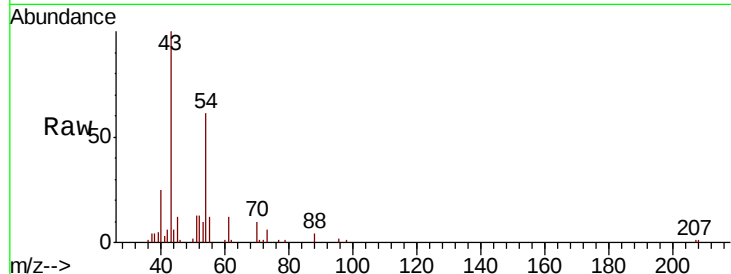
#37
Ethyl Acetate
Concen: 18.312 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.9	16.3
70	10.2	8.3	12.5

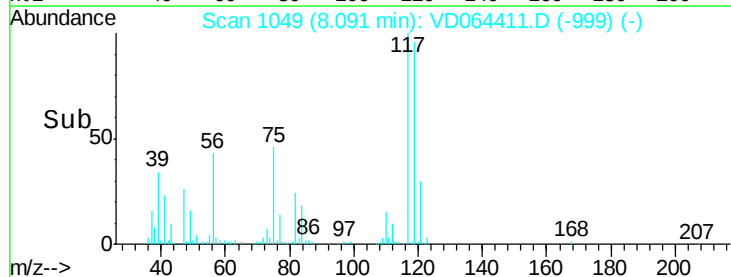
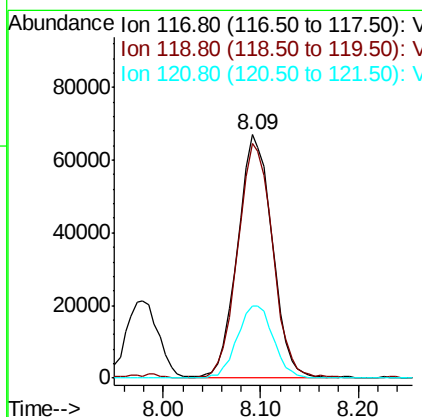
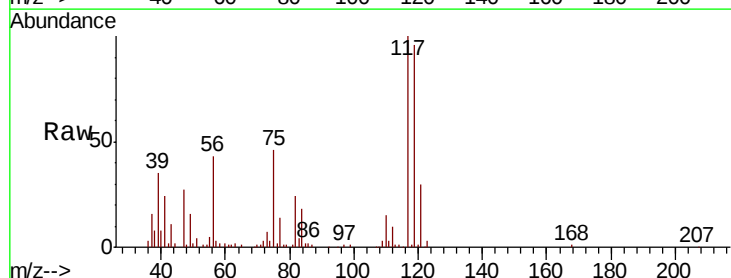
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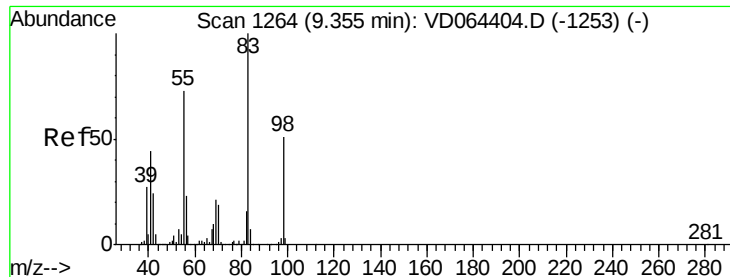
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#38
Carbon Tetrachloride
Concen: 21.495 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.8	118.2
121	29.5	24.2	36.2





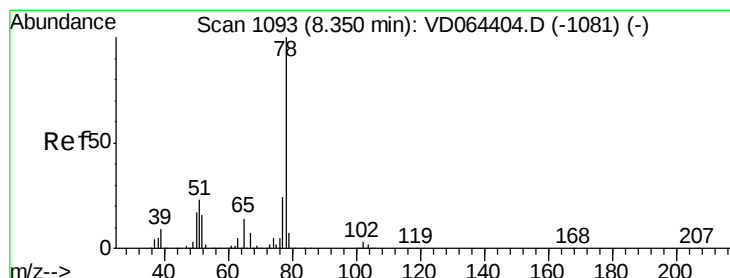
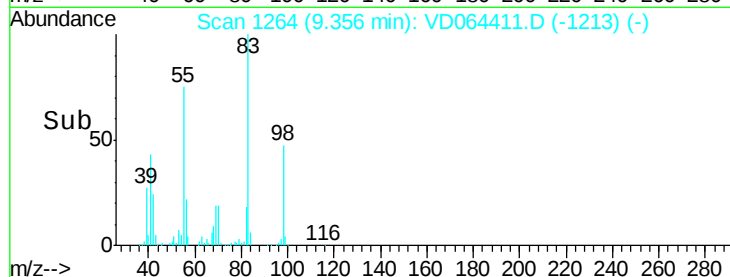
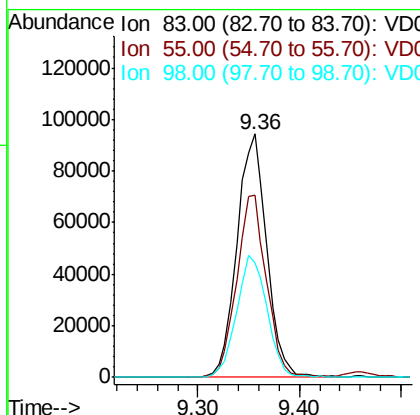
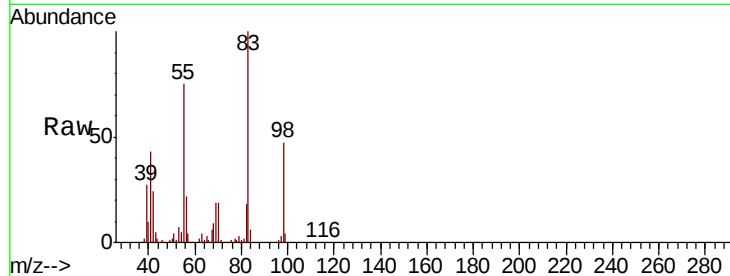
#39
Methvlcvclohexane
Concen: 21.200 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	58.6	87.8
98	47.0	40.9	61.3

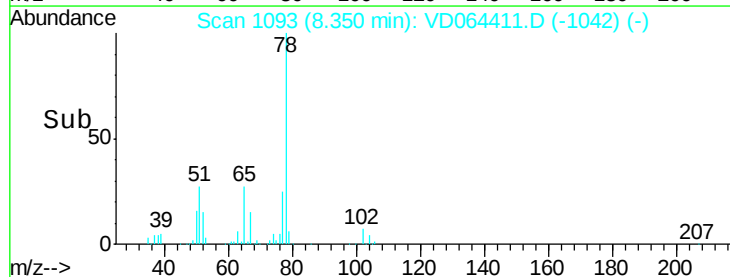
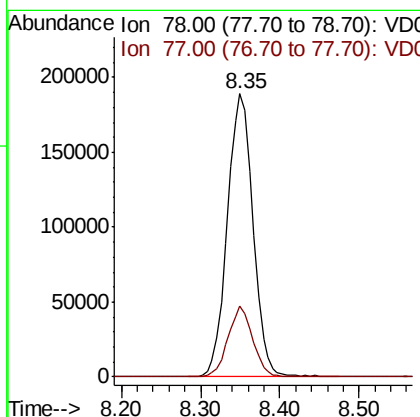
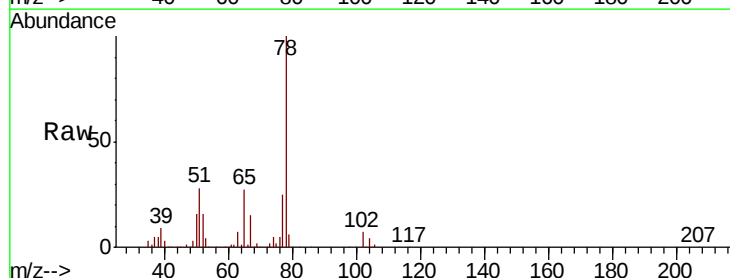
Manual Integrations
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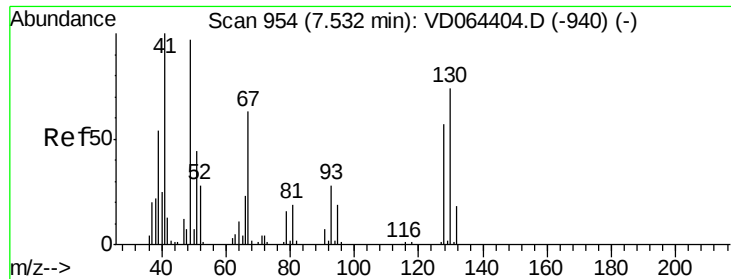
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#40
Benzene
Concen: 20.853 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.6	29.4





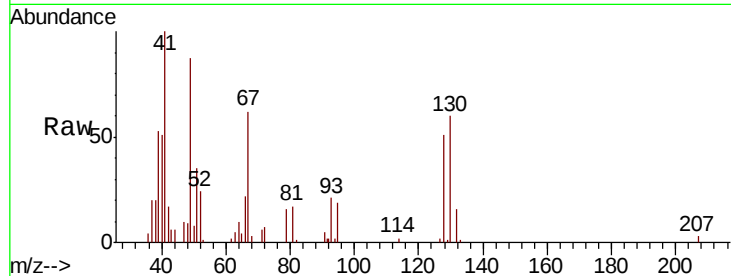
#41
Methacrylonitrile
Concen: 22.650 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

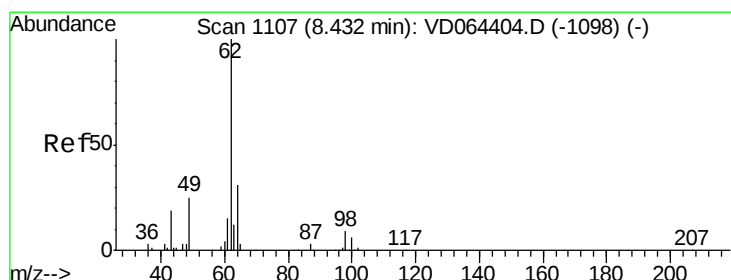
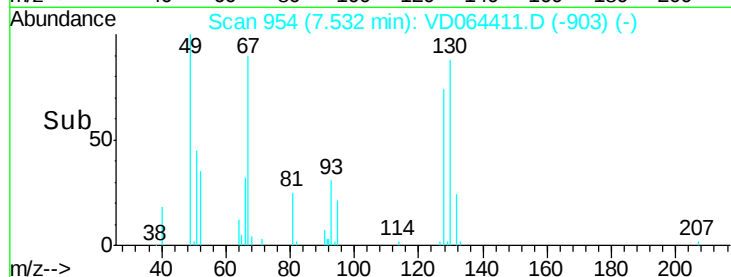
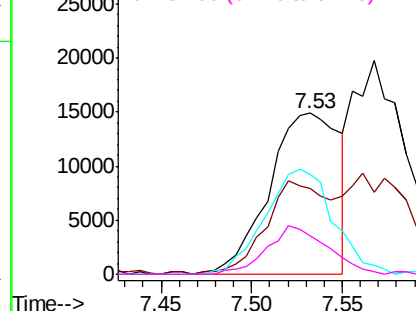
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		40295		
39	50.3	44.6	67.0		
67	63.6	50.9	76.3		
52	25.7	22.5	33.7		

Manual Integrations
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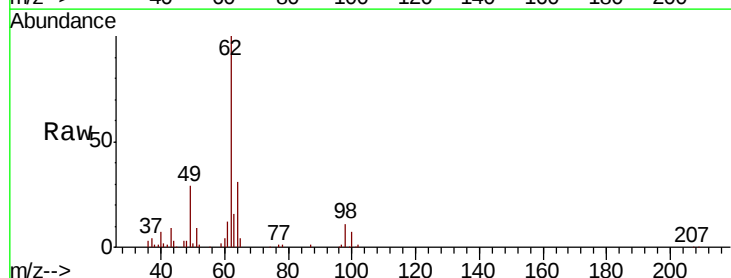


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

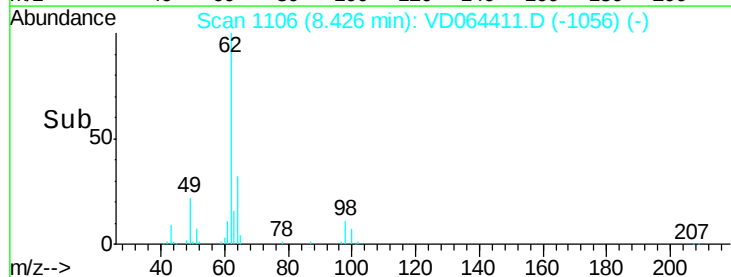
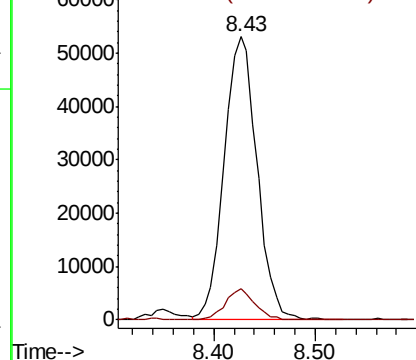


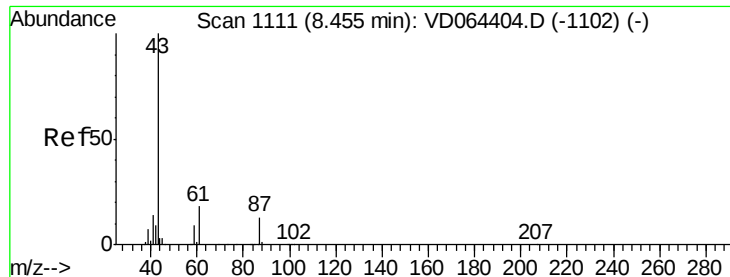
#42
1,2-Dichloroethane
Concen: 20.196 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		119591		
98	9.9	0.0	20.6		



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.038 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

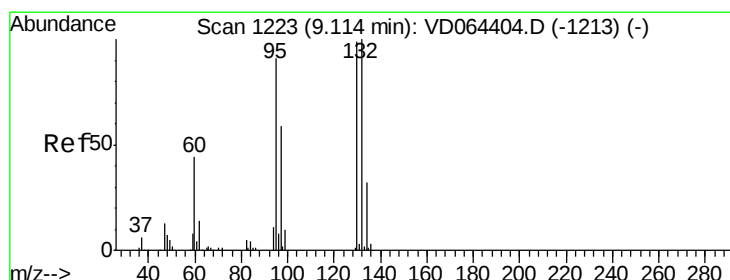
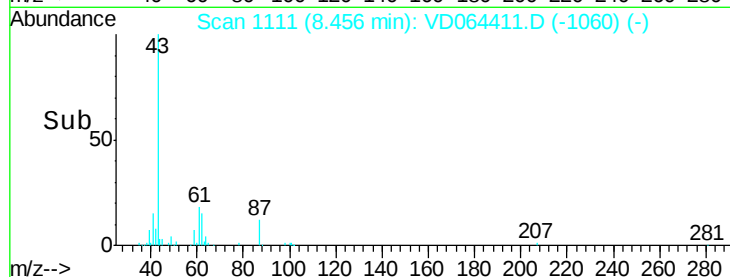
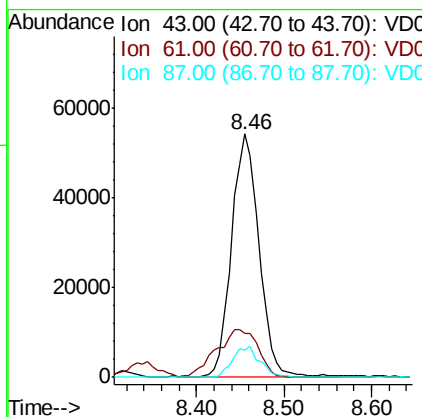
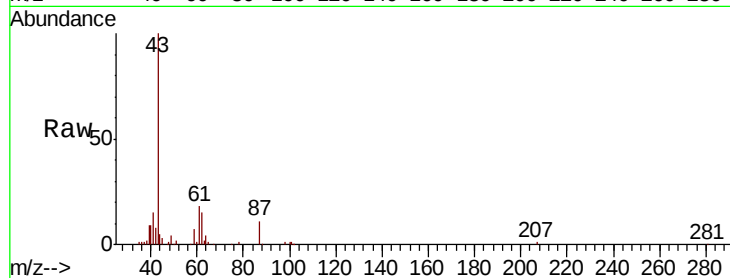
ClientSampleId :

VD1204SBS01

Tot Ion:	43	Resp:	116118
Ion	Ratio	Lower	Upper
43	100		
61	29.9	24.0	36.0
87	12.6	10.6	15.8

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#44

Trichloroethene

Concen: 20.453 ug/l

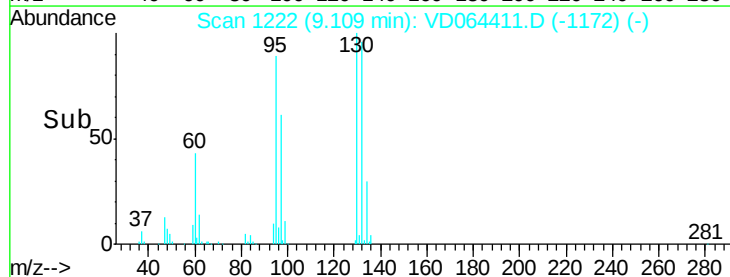
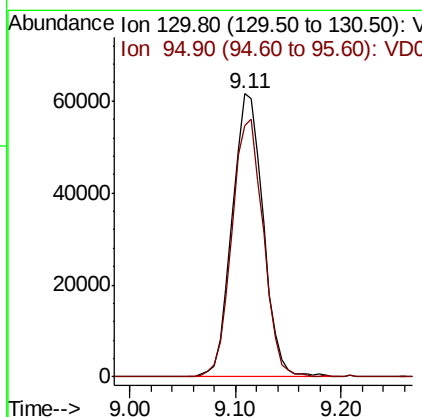
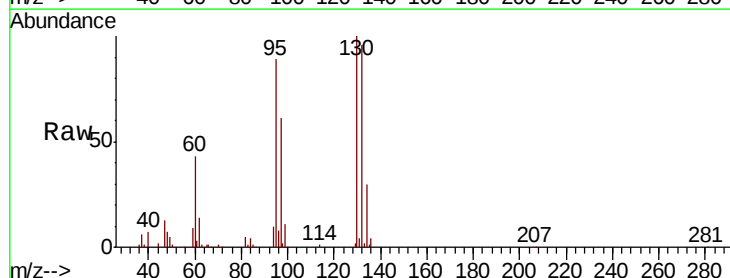
RT: 9.11 min Scan# 1222

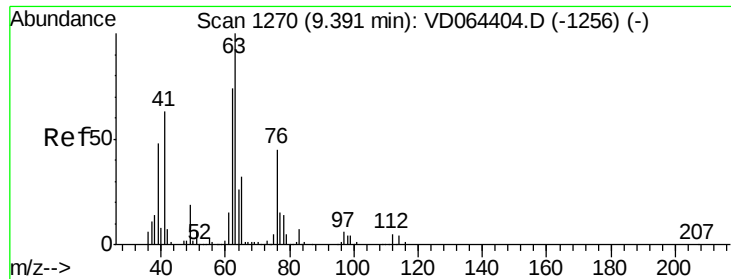
Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Tgt Ion:	130	Resp:	125098
Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	184.6





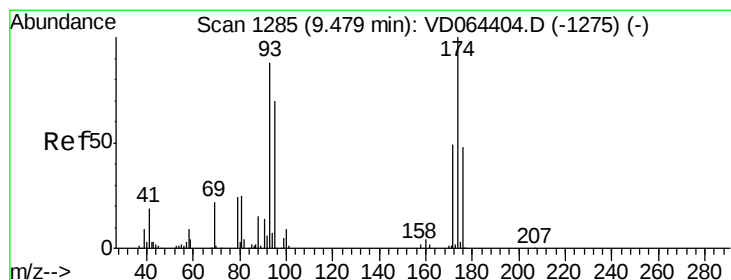
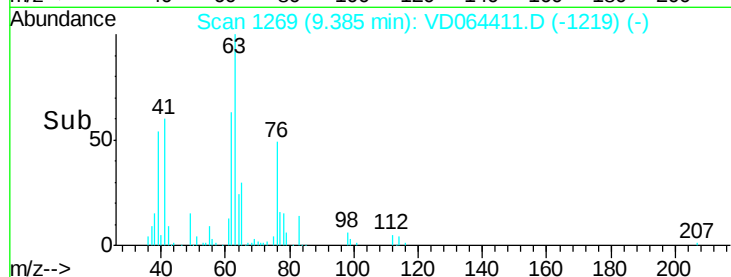
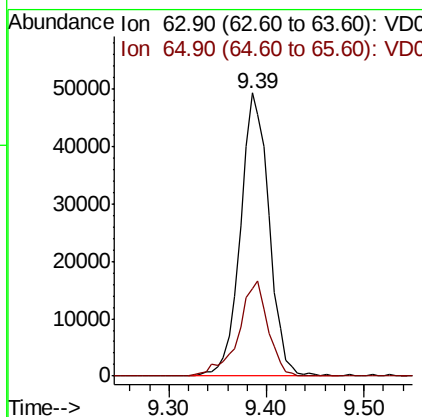
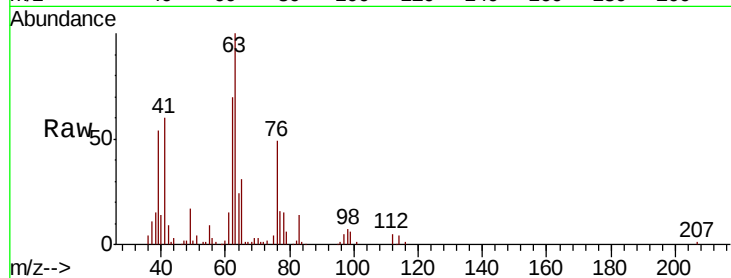
#45
 1,2-Dichloropropane
 Concen: 20.755 ug/l
 RT: 9.39 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.4	38.0

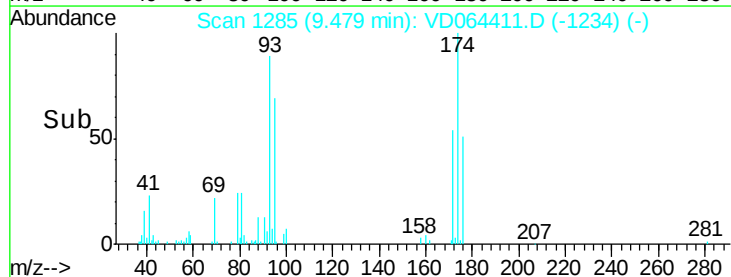
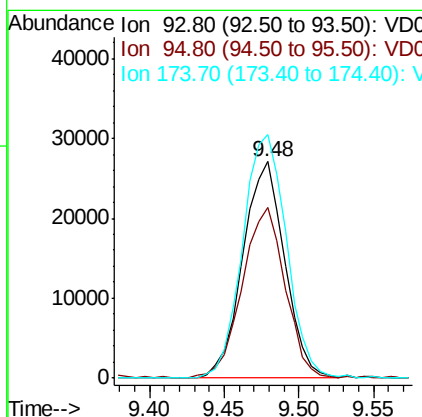
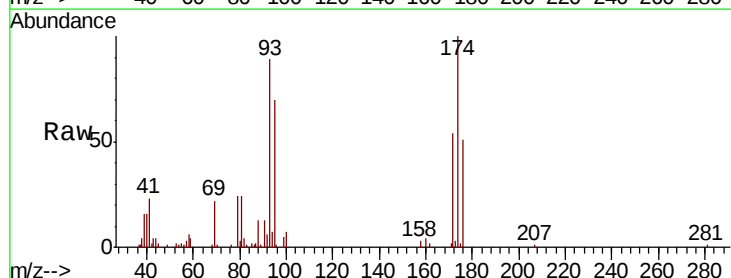
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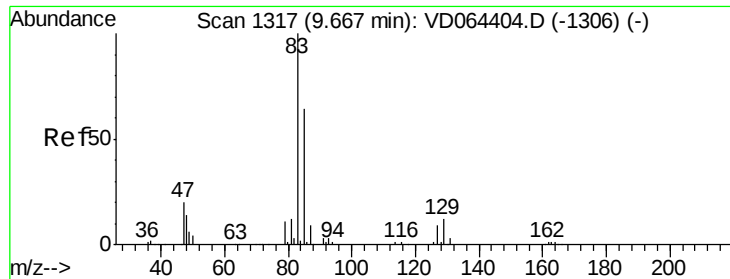
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#46
 Dibromomethane
 Concen: 19.191 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.6	66.7	100.1
174	117.6	92.3	138.5





#47

Bromodichloromethane

Concen: 20.231 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

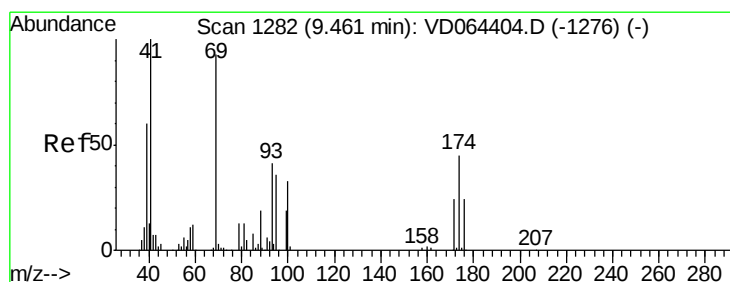
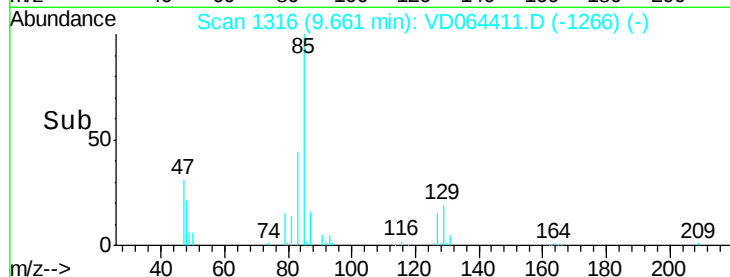
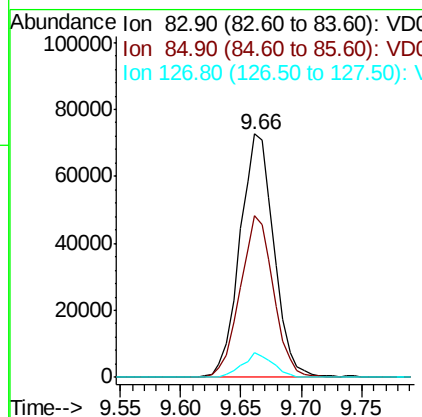
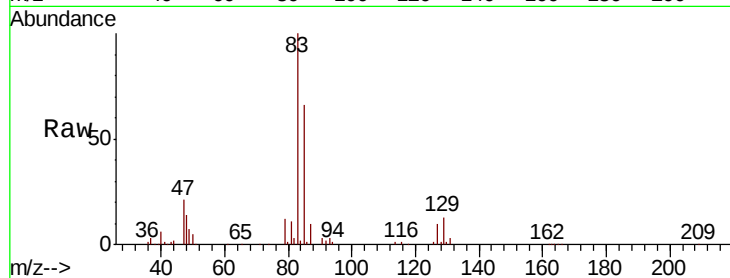
ClientSampleId :

VD1204SBS01

Tot Ion:	83	Resp:	142478
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.1	76.7
127	10.0	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.513 ug/l

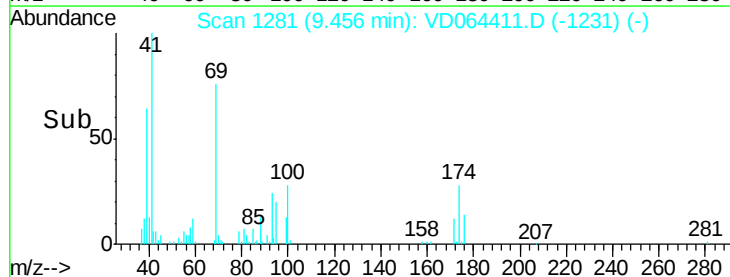
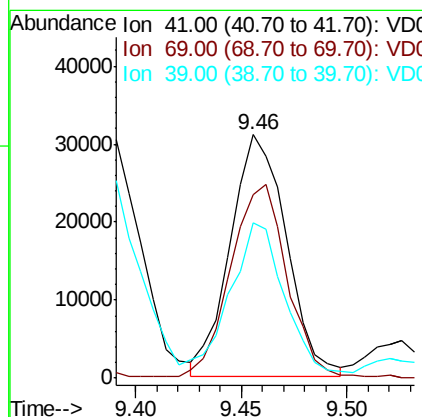
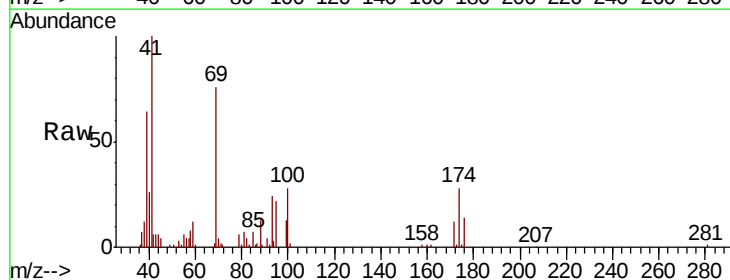
RT: 9.46 min Scan# 1281

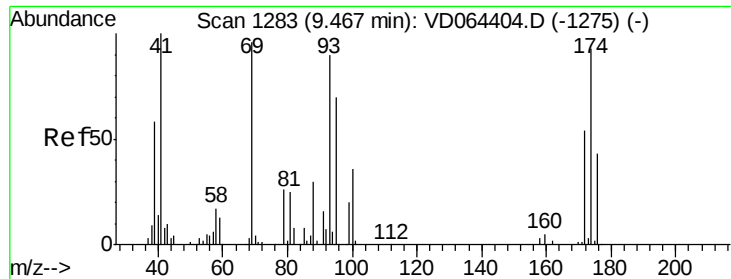
Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Tgt Ion:	41	Resp:	57252
Ion	Ratio	Lower	Upper
41	100		
69	81.5	72.0	108.0
39	62.1	55.2	82.8





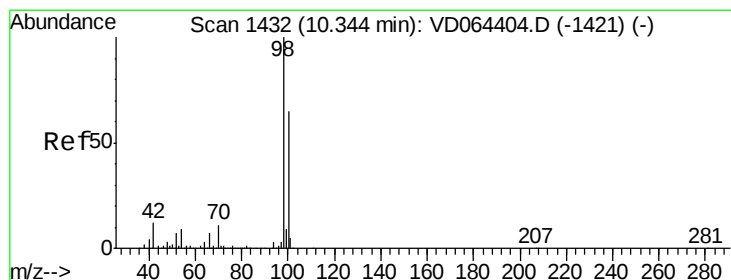
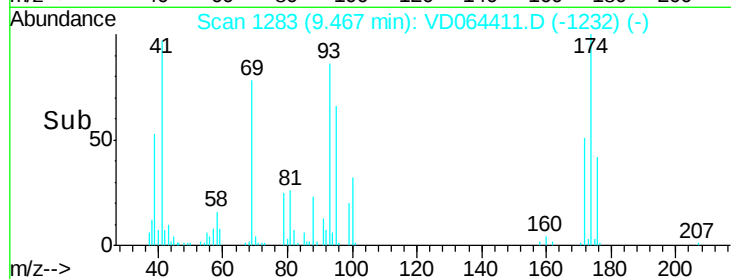
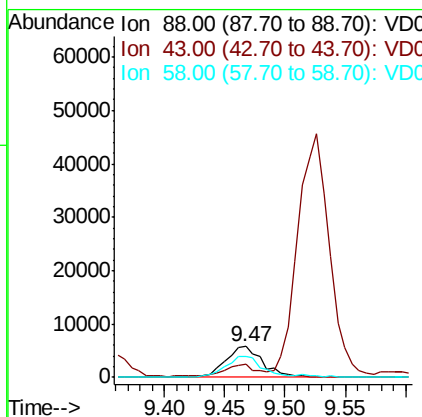
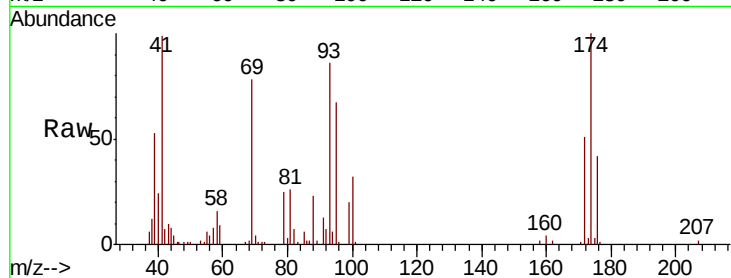
#49
1,4-Dioxane
Concen: 362.861 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	26.7	40.1
58	71.0	52.3	78.5

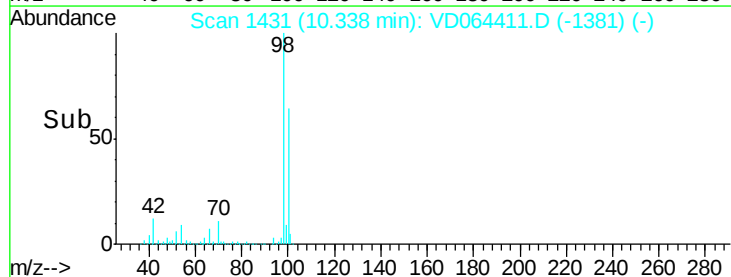
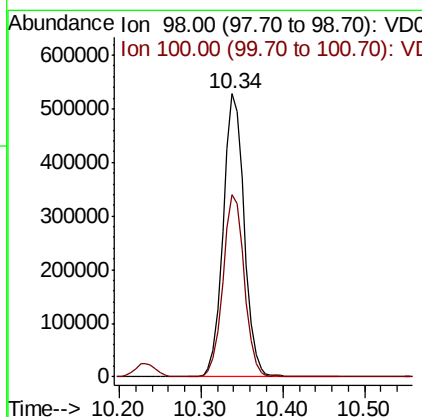
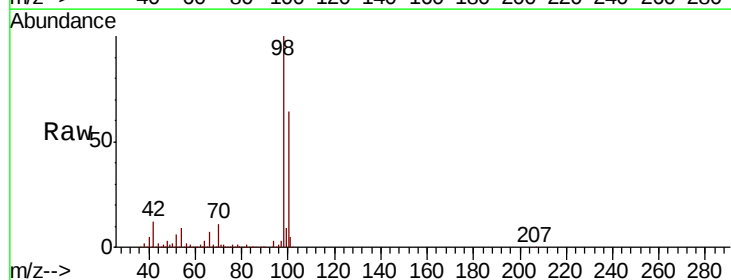
Manual Integrations
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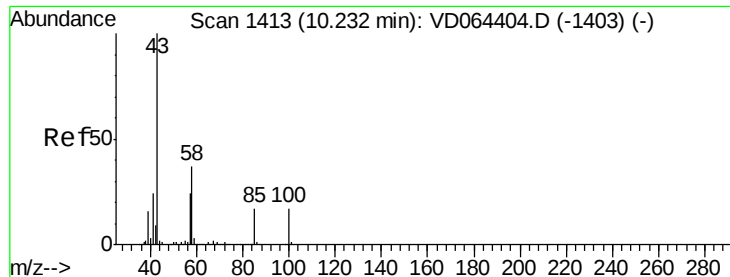
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#50
Toluene-d8
Concen: 51.437 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 90.589 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 43 Resp: 273390

Ion Ratio Lower Upper

43 100

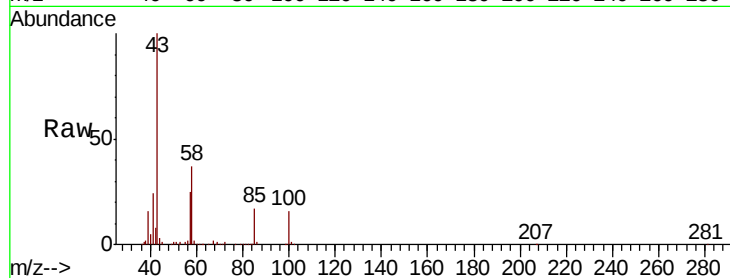
58 38.5 30.6 46.0

Manual Integrations

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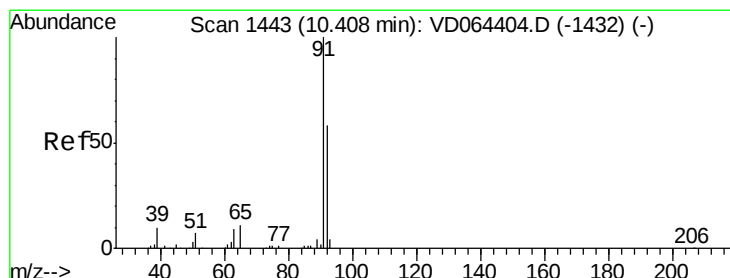
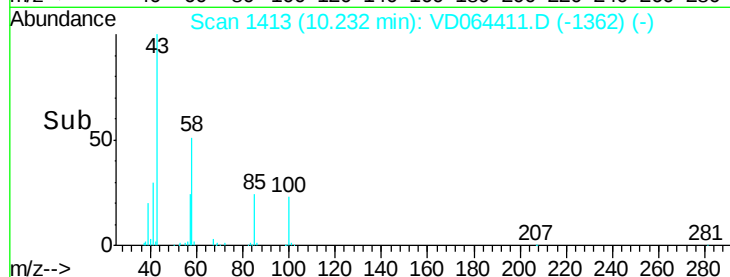
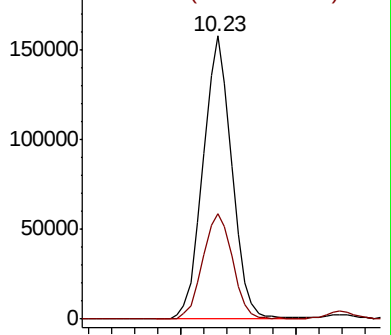
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.732 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064411.D

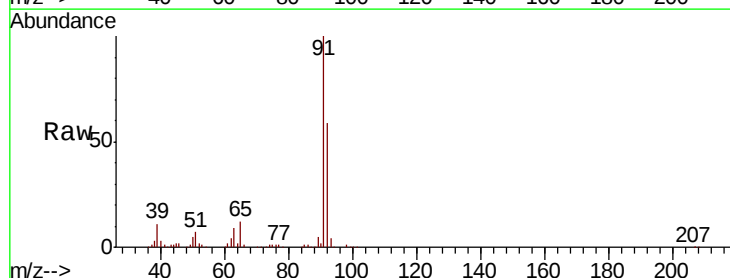
Acq: 04 Dec 2019 12:30

Tgt Ion: 92 Resp: 274343

Ion Ratio Lower Upper

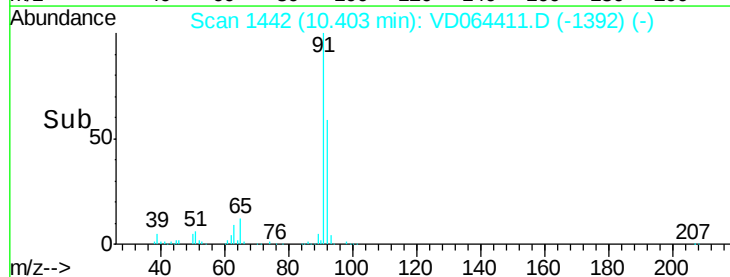
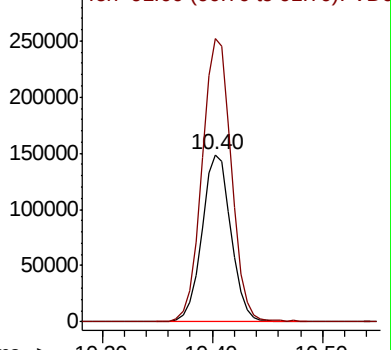
92 100

91 170.8 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





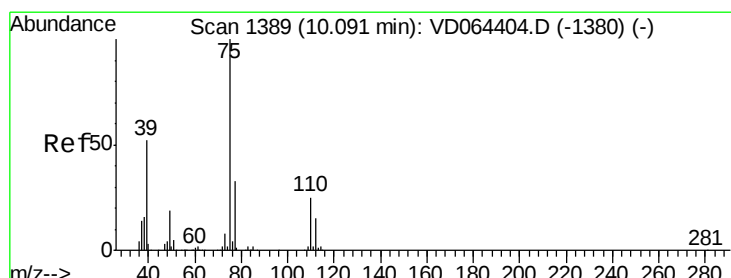
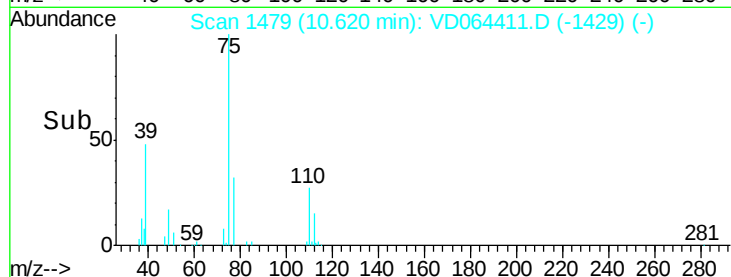
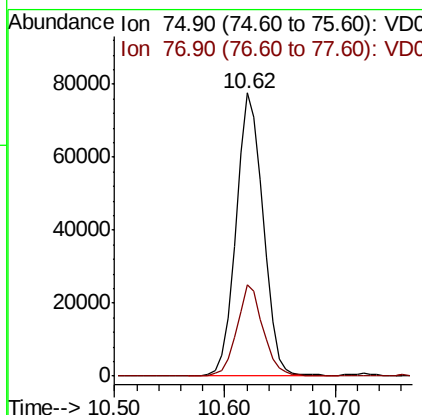
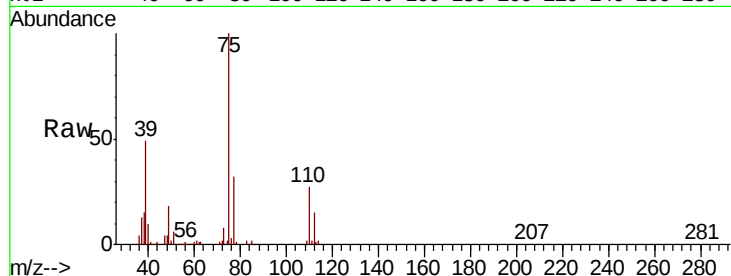
#53
 t-1,3-Dichloropropene
 Concen: 19.982 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.4

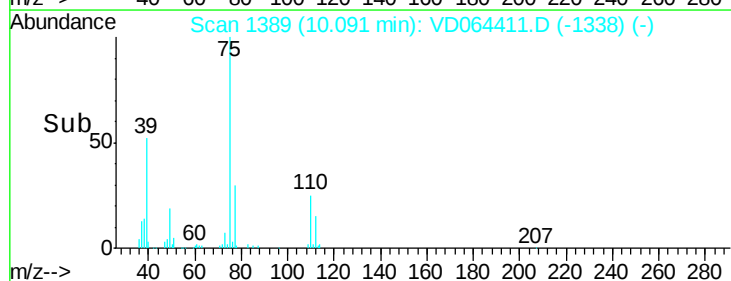
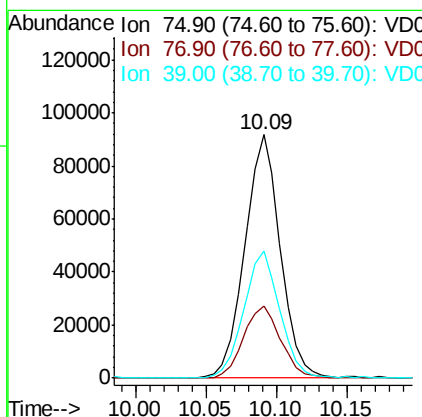
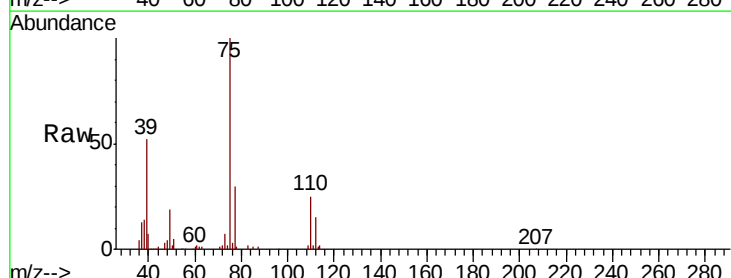
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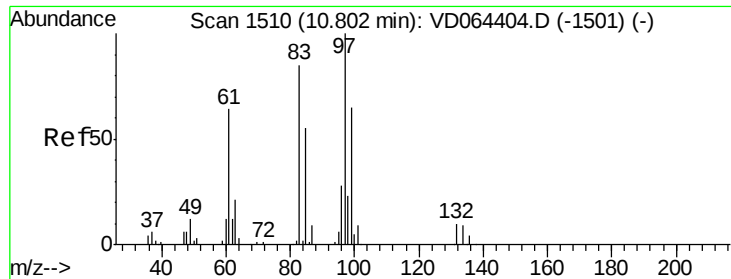
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#54
 cis-1,3-Dichloropropene
 Concen: 20.214 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.1	39.1
39	52.0	41.5	62.3





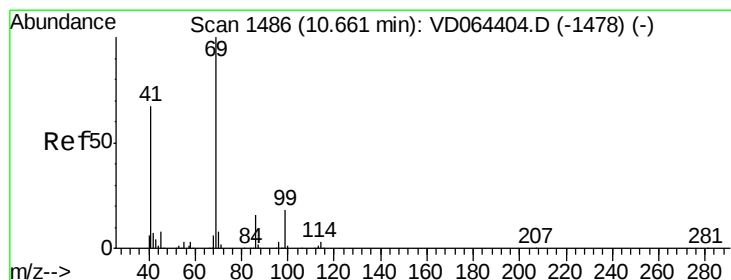
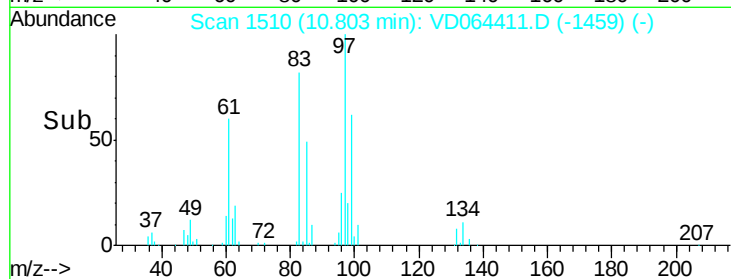
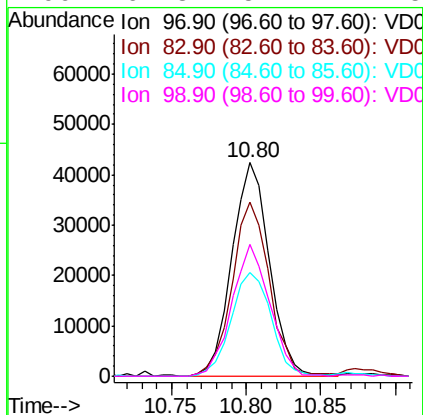
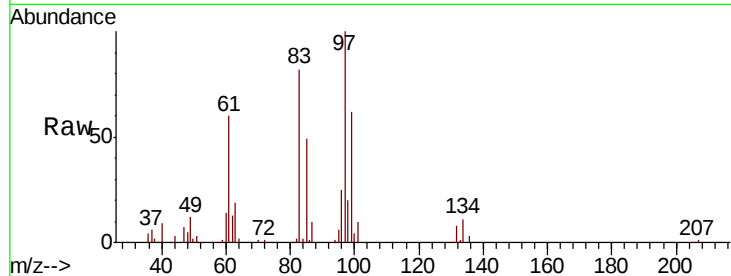
#55
 1,1,2-Trichloroethane
 Concen: 19.767 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		74184		
83	81.6	67.8	101.8		
85	48.6	43.7	65.5		
99	61.8	51.7	77.5		

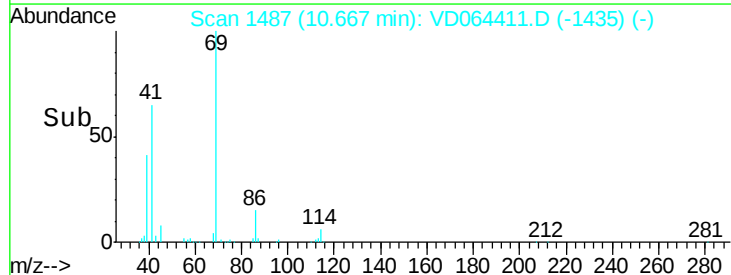
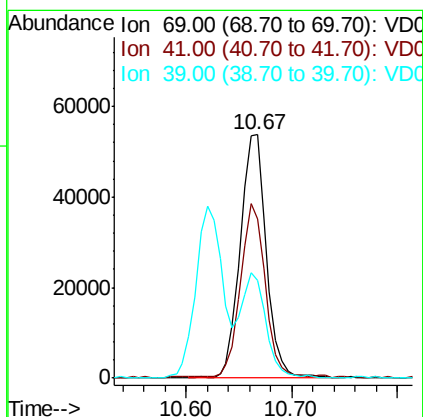
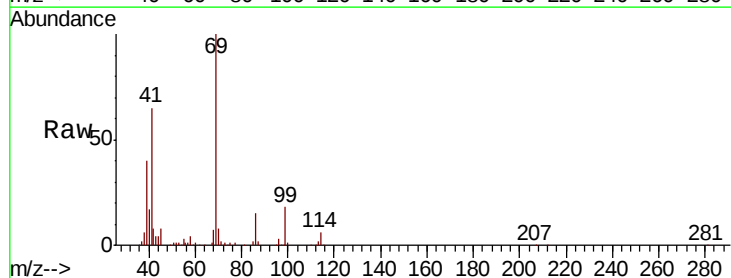
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#56
 Ethyl methacrylate
 Concen: 19.264 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		92210		
41	67.1	55.0	82.4		
39	41.7	33.0	49.6		





#57

1,3-Dichloropropane

Concen: 19.413 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 76 Resp: 124022

Ion Ratio Lower Upper

76 100

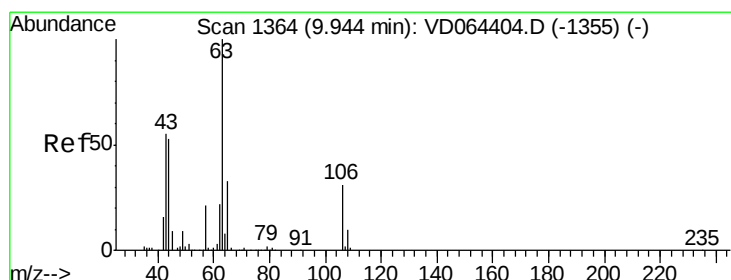
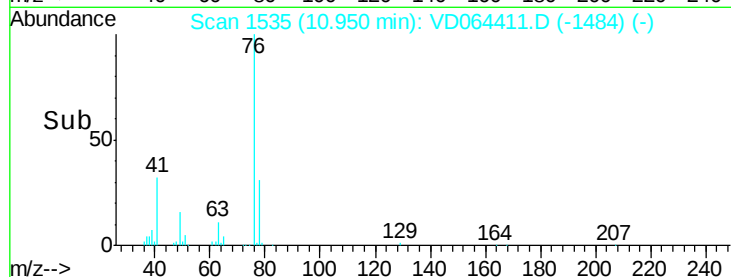
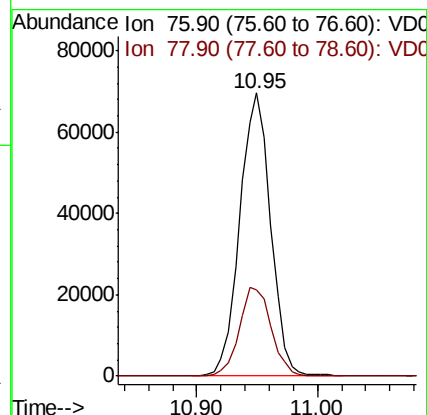
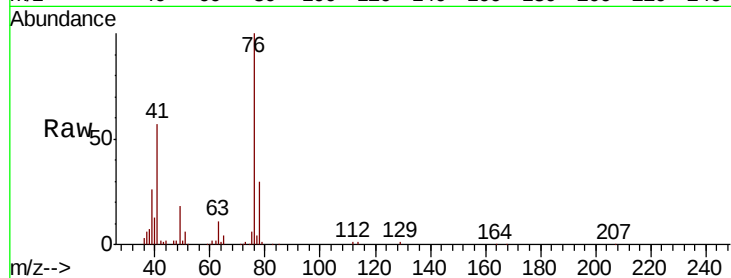
78 32.5 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 98.127 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064411.D

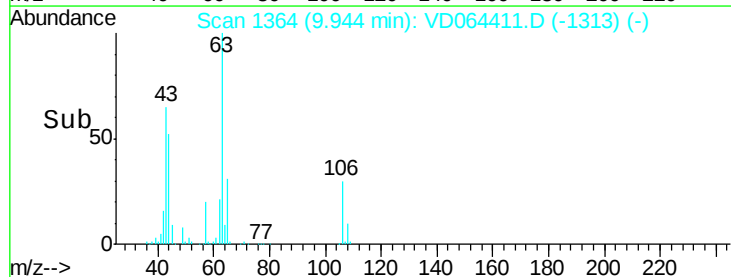
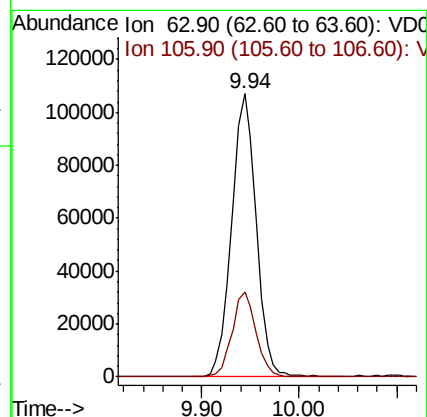
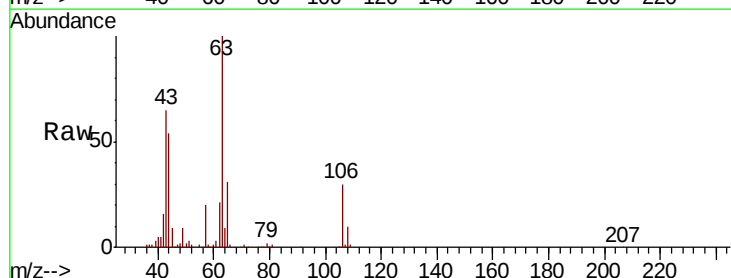
Acq: 04 Dec 2019 12:30

Tgt Ion: 63 Resp: 187241

Ion Ratio Lower Upper

63 100

106 29.0 24.2 36.4





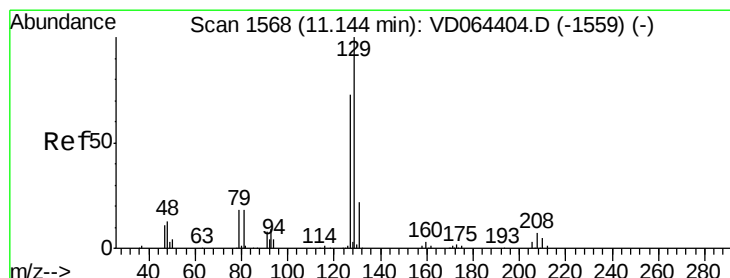
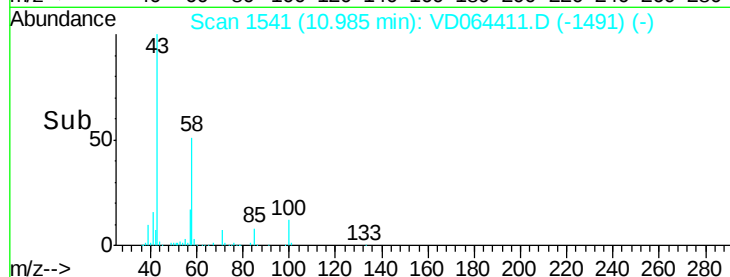
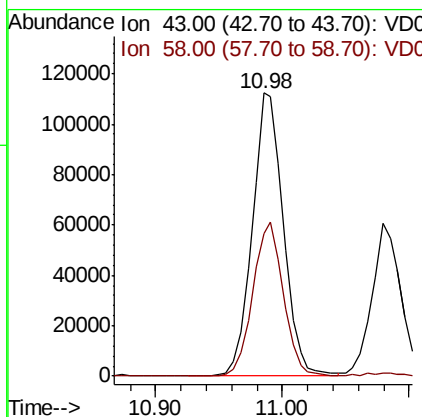
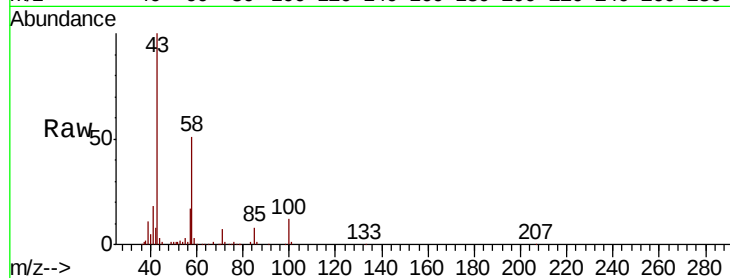
#59
2-Hexanone
Concen: 91.772 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.3	78.8

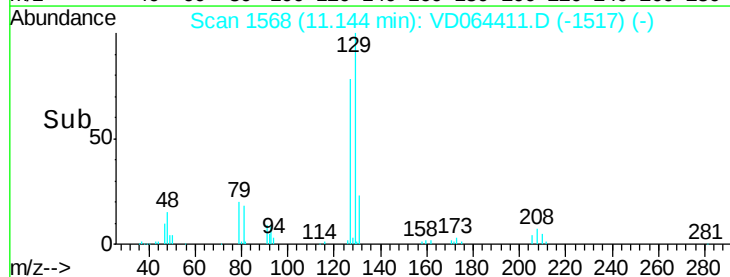
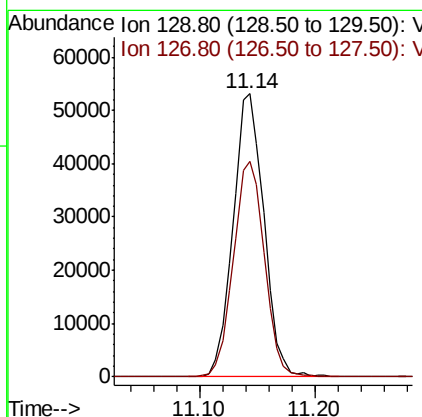
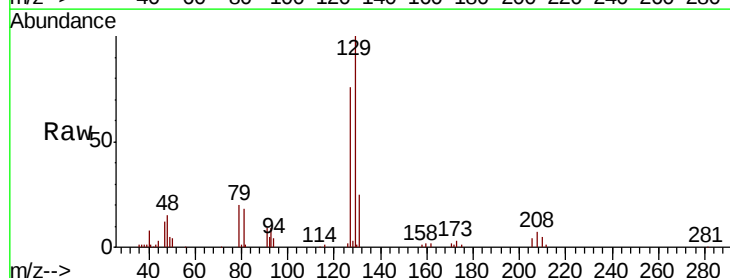
Manual Integrations
APPROVED

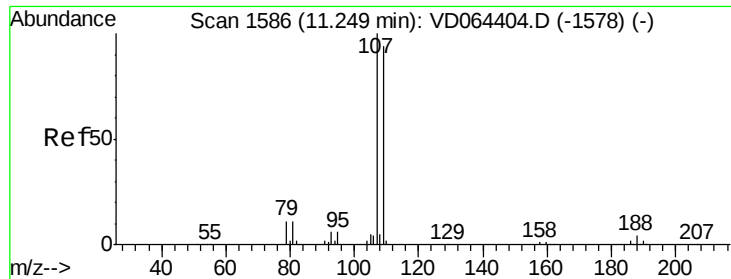
apatel
12/5/2019 2:59:01 PM



#60
Dibromochloromethane
Concen: 19.270 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.1	114.3





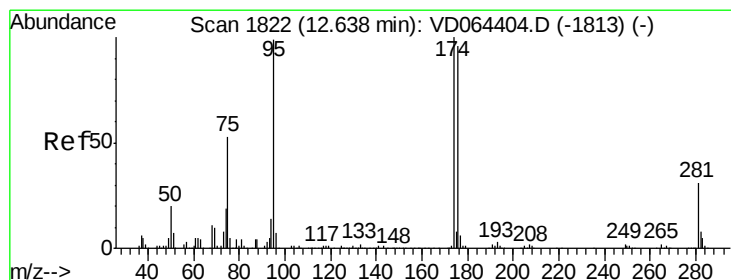
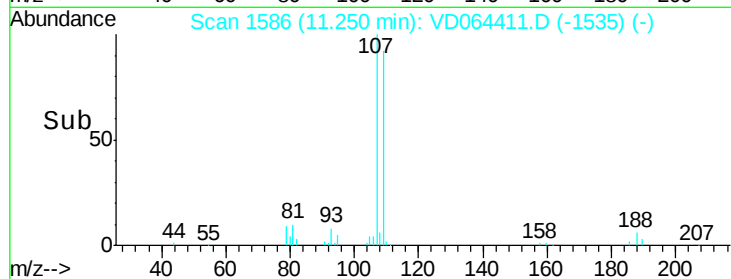
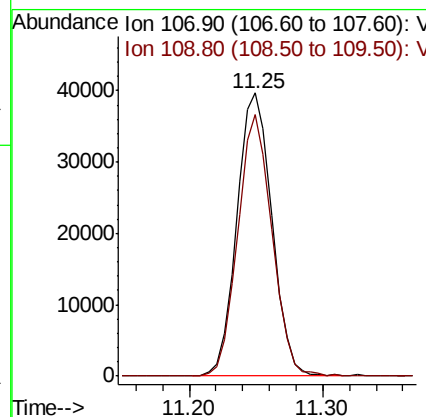
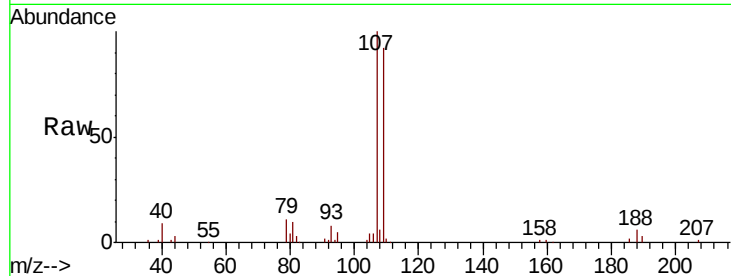
#61
 1,2-Dibromoethane
 Concen: 19.246 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.2	76.2	114.2

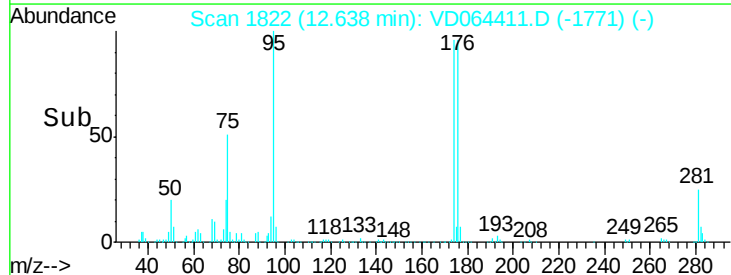
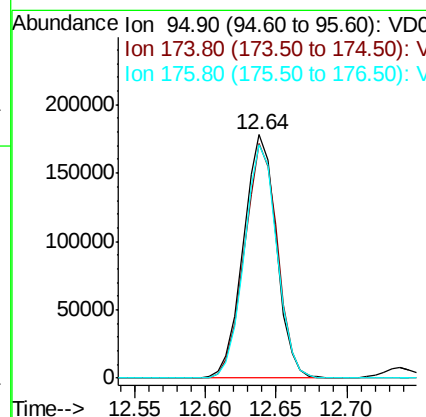
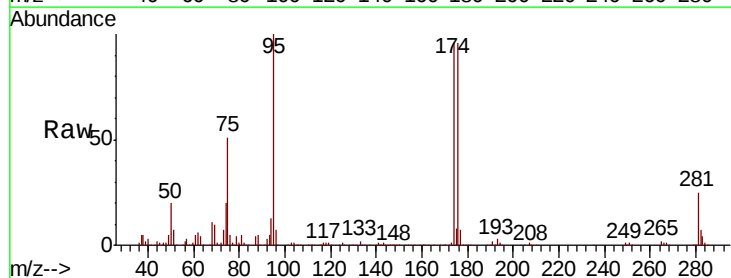
Manual Integrations
 APPROVED

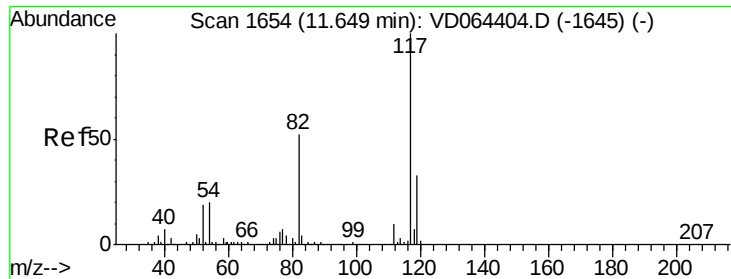
apatel
 12/5/2019 2:59:01 PM



#62
 4-Bromofluorobenzene
 Concen: 49.438 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.3	0.0	197.2
176	94.6	0.0	189.6





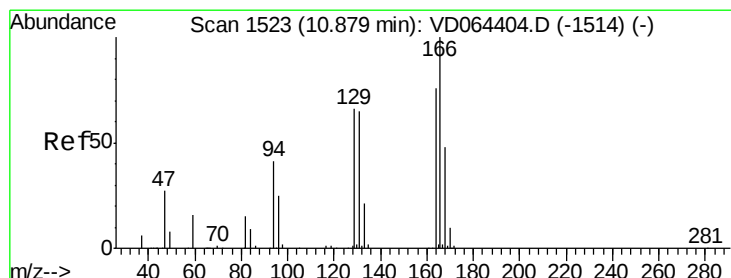
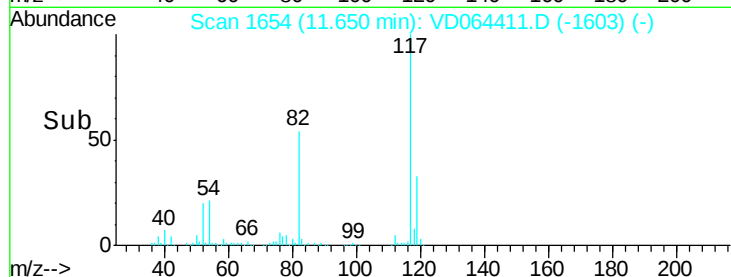
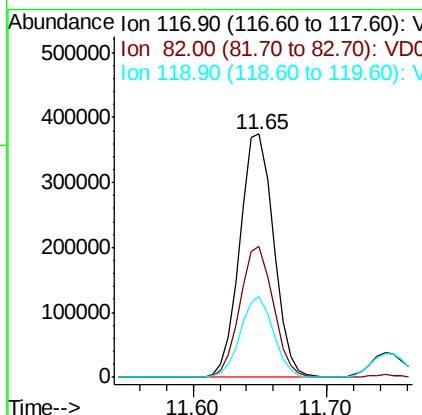
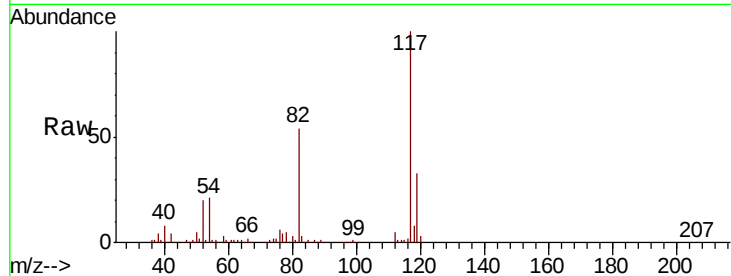
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	659725		
82	53.7		41.4	62.2
119	33.2		26.2	39.2

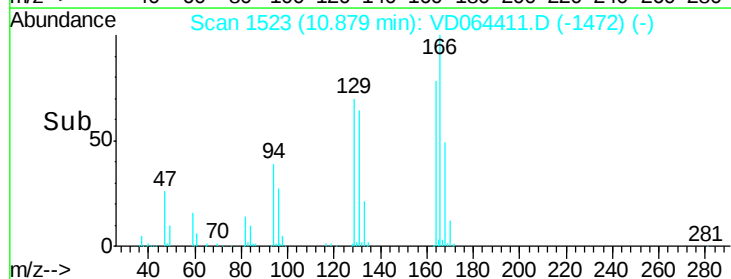
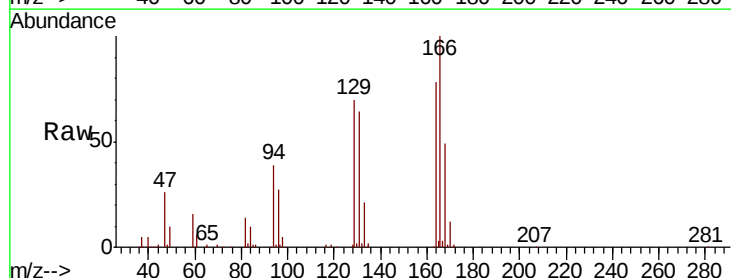
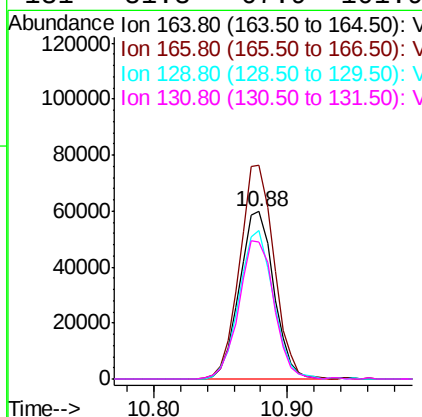
Manual Integrations
APPROVED

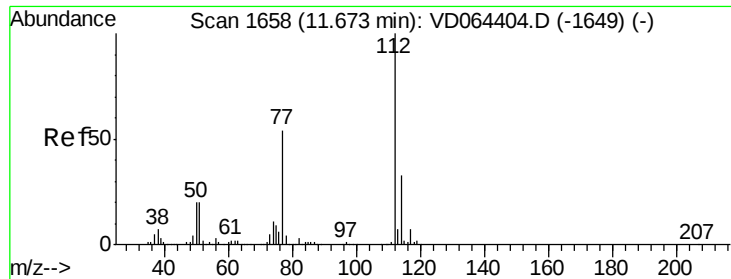
apatel
12/5/2019 2:59:01 PM



#64
Tetrachloroethene
Concen: 21.304 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107179		
166	127.4		104.8	157.2
129	88.6		68.7	103.1
131	81.3		67.9	101.9





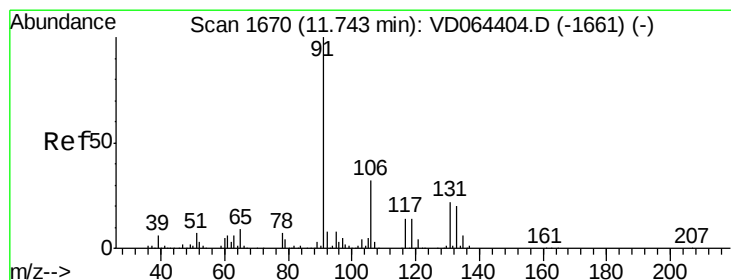
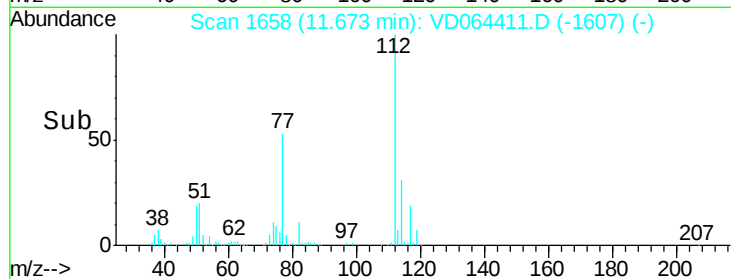
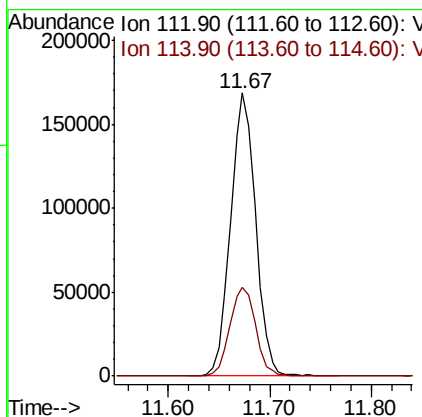
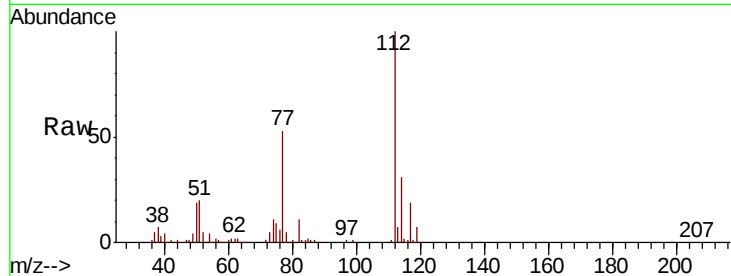
#65
Chlorobenzene
Concen: 21.037 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.5	39.7

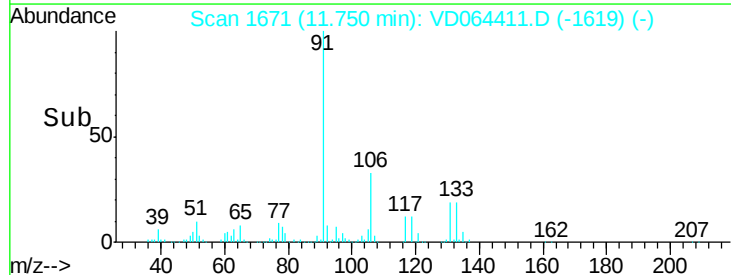
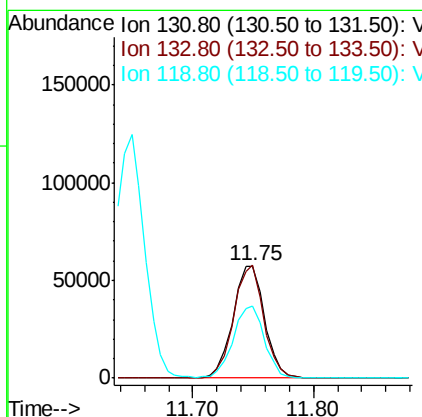
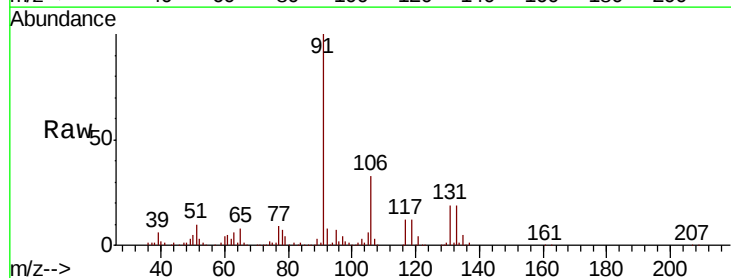
Manual Integrations
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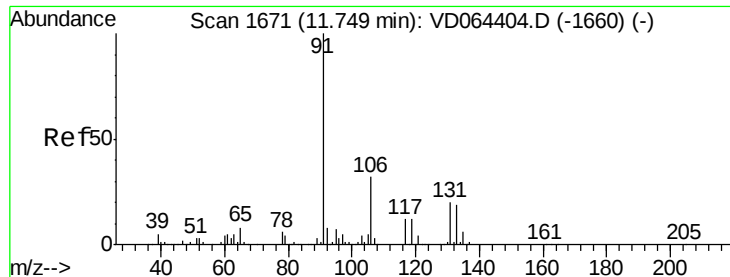
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.510 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.3	144.9
119	63.9	31.9	95.9





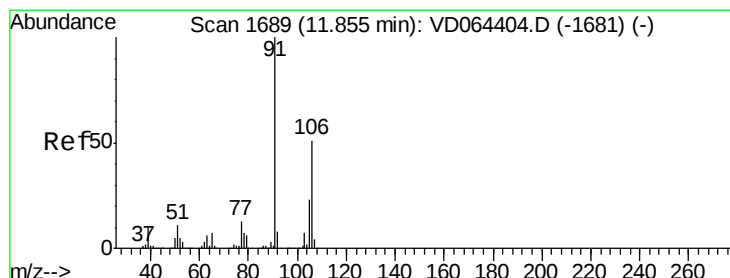
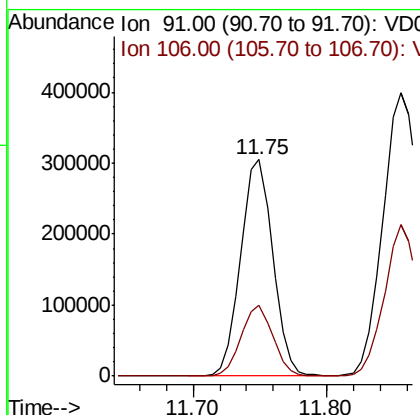
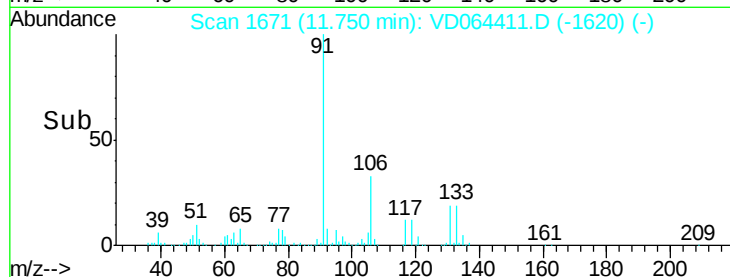
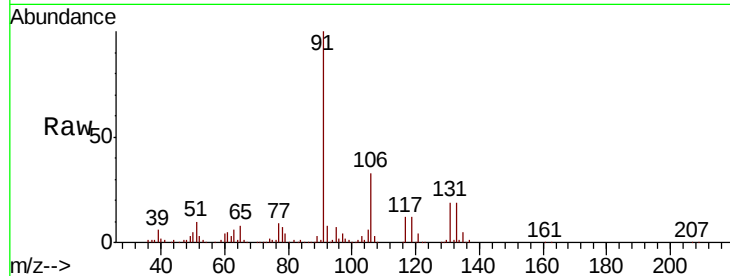
#67
Ethyl Benzene
Concen: 20.815 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 91 Resp: 509589
Ion Ratio Lower Upper
91 100
106 32.7 25.8 38.8

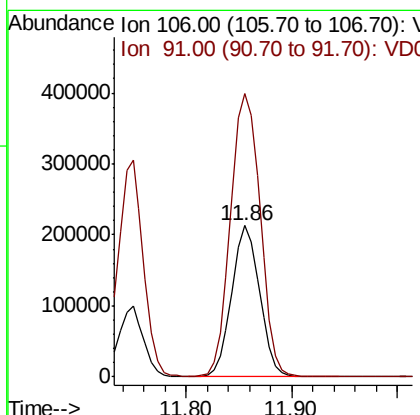
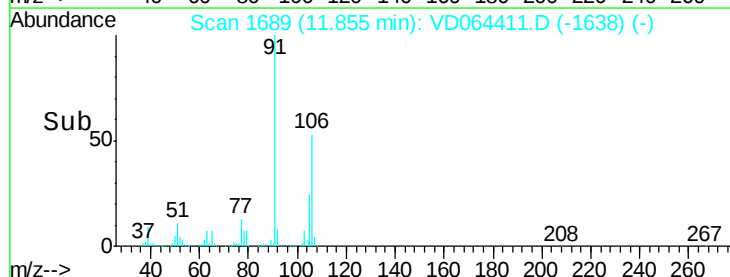
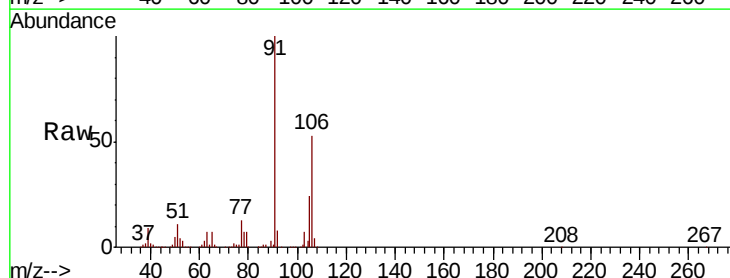
Manual Integrations
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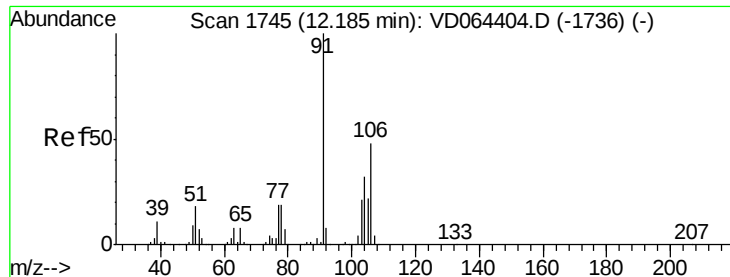
apatel
12/5/2019 2:59:01 PM



#68
m/p-Xylenes
Concen: 41.707 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion: 106 Resp: 389321
Ion Ratio Lower Upper
106 100
91 198.7 157.4 236.2





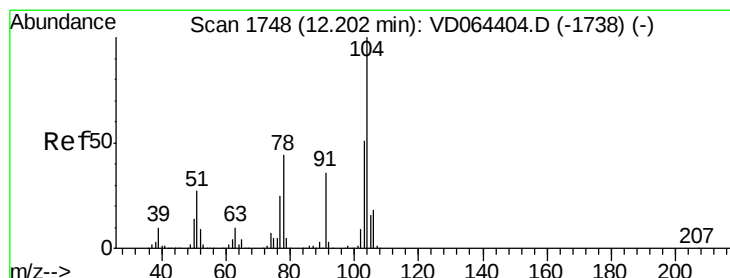
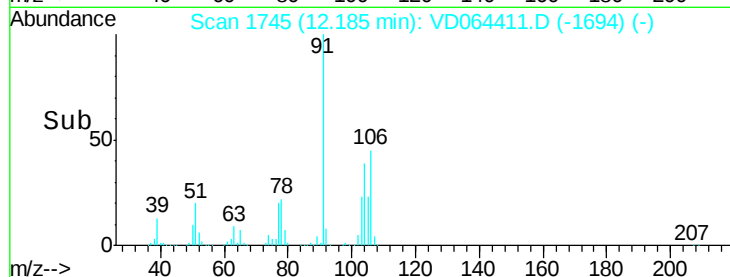
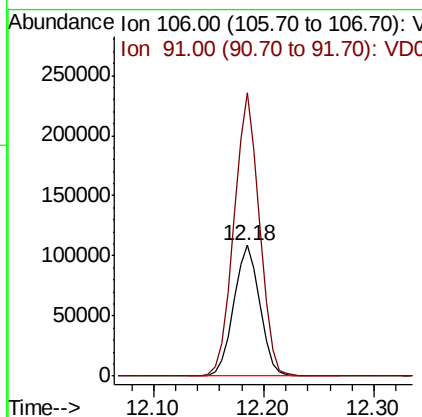
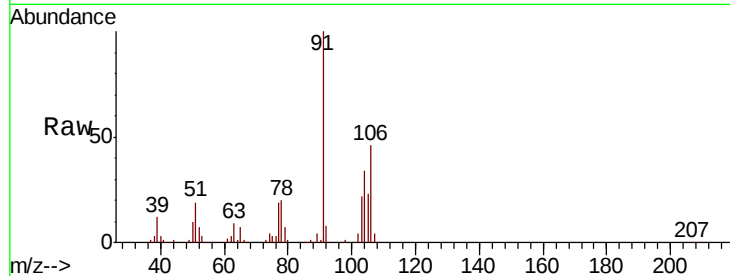
#69
o-Xylene
Concen: 20.923 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		180382		
91	211.2	103.8	311.4		

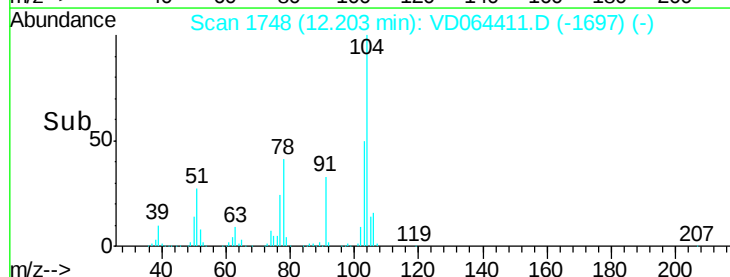
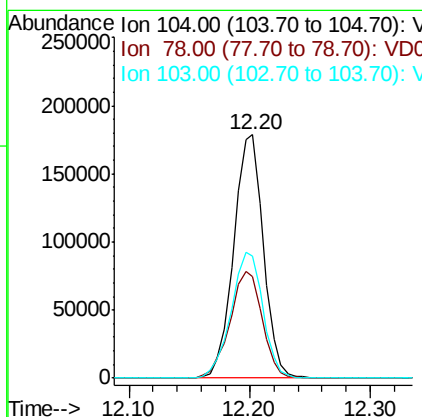
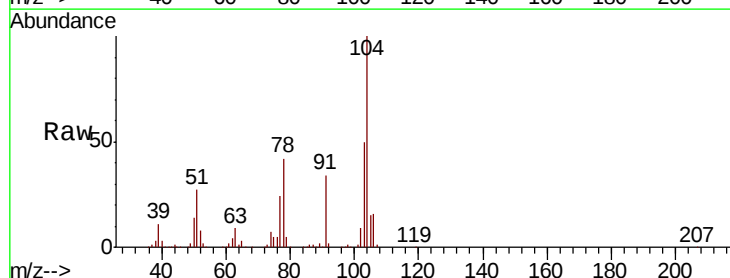
Manual Integrations
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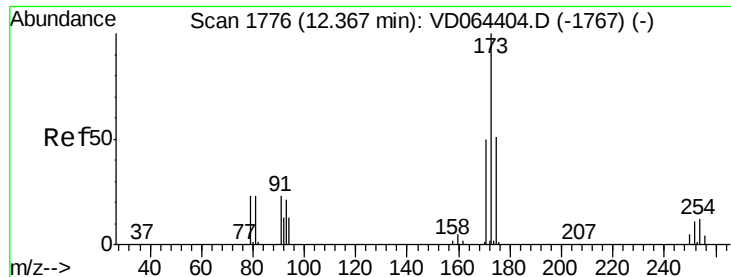
apatel
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#70
Styrene
Concen: 20.415 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		305843		
78	47.7	38.8	58.2		
103	55.7	44.2	66.4		





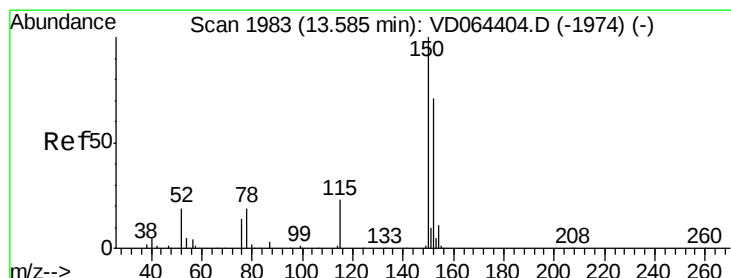
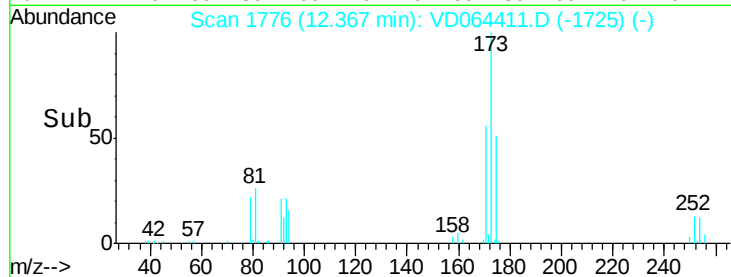
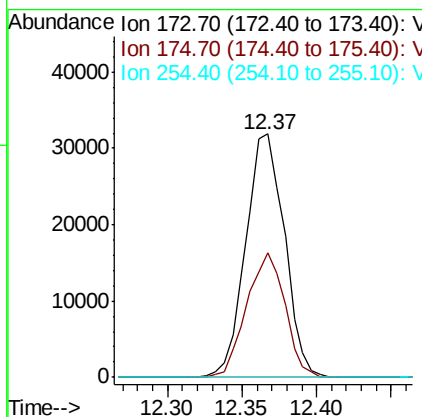
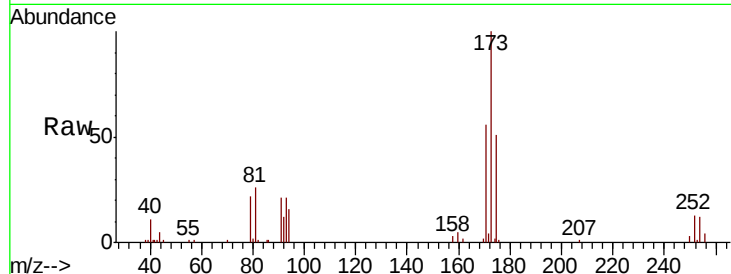
#71
Bromoform
Concen: 18.752 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	25.3	75.8
254	0.0	0.0	0.0

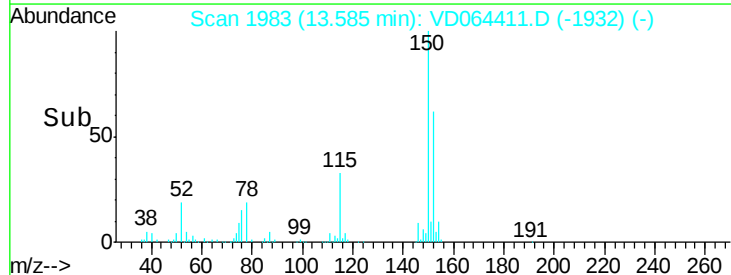
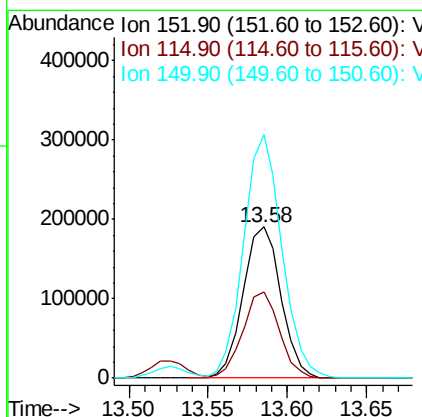
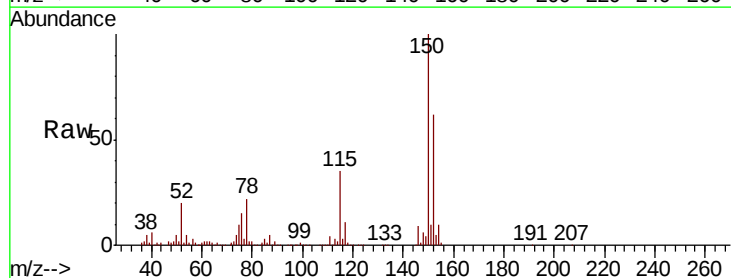
Manual Integrations
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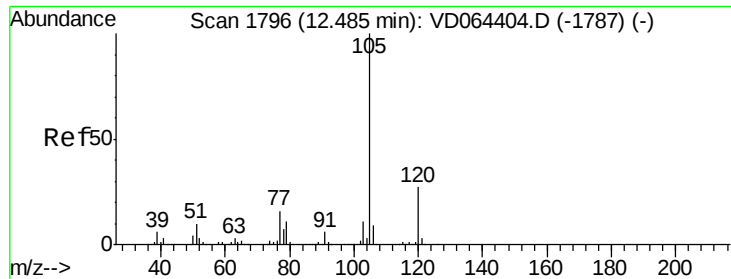
apatel
12/5/2019 2:59:01 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	26.7	80.1
150	162.9	0.0	347.2





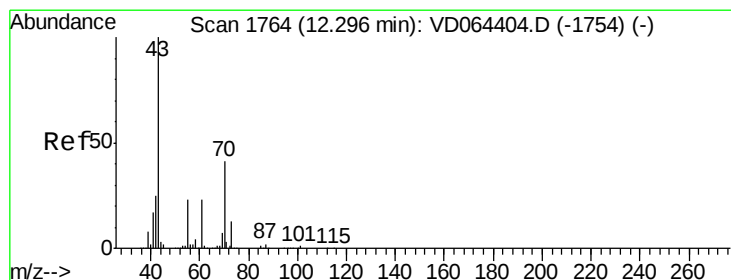
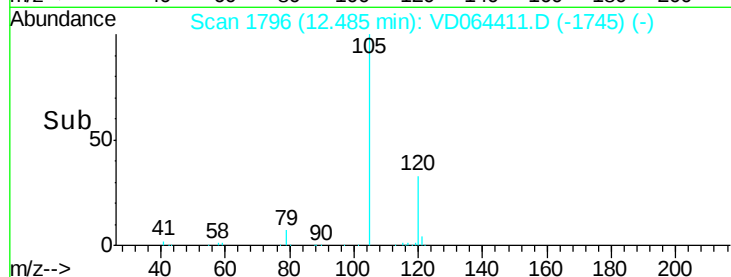
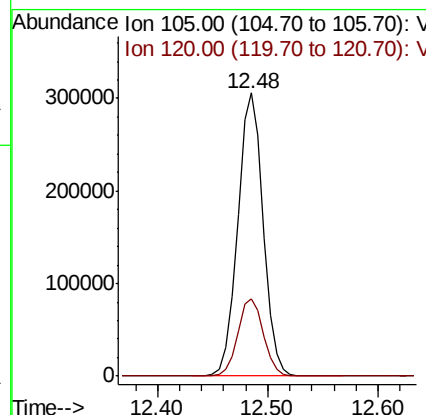
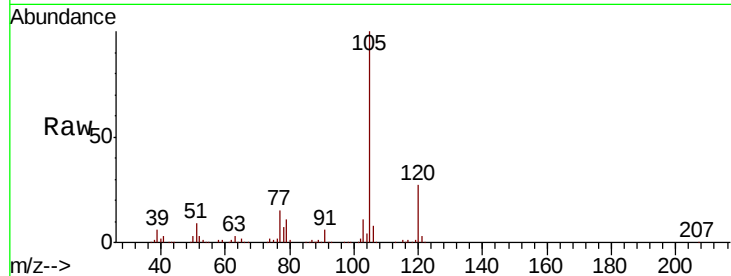
#73
Isopropylbenzene
Concen: 21.552 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.4	40.2

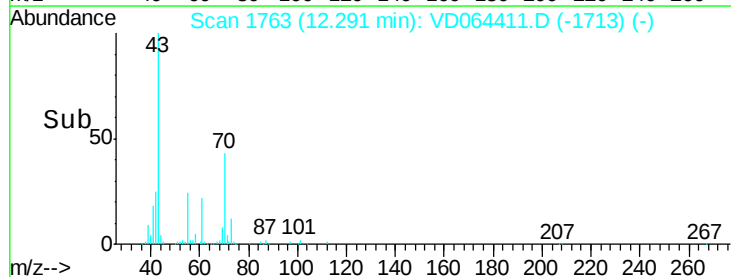
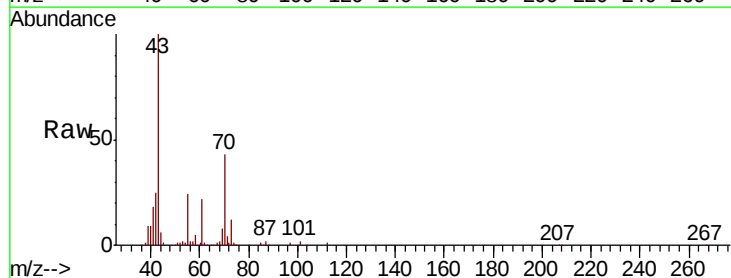
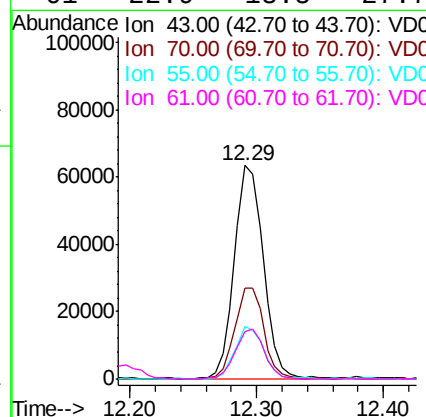
Manual Integrations
APPROVED

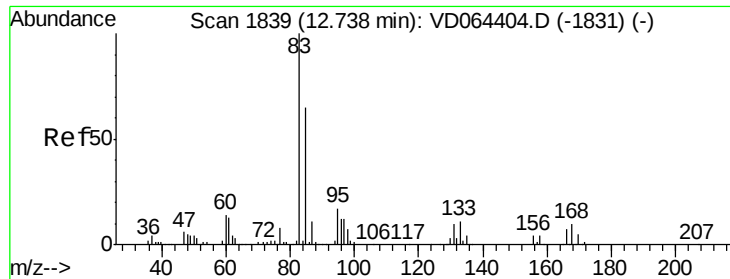
apatel
12/5/2019 2:59:01 PM



#74
N-ethyl acetate
Concen: 19.509 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	33.4	50.2
55	24.3	18.9	28.3
61	22.9	18.5	27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.302 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

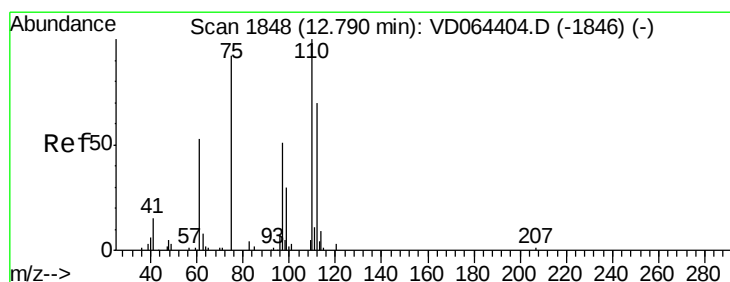
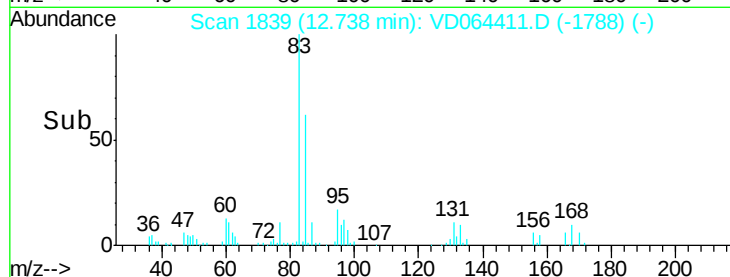
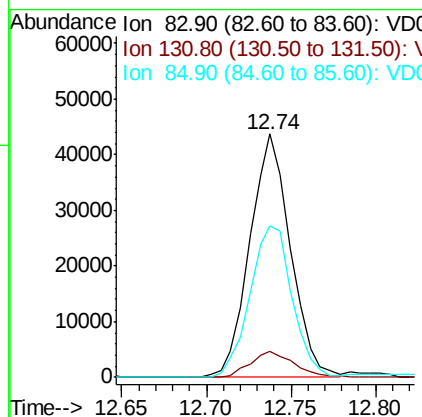
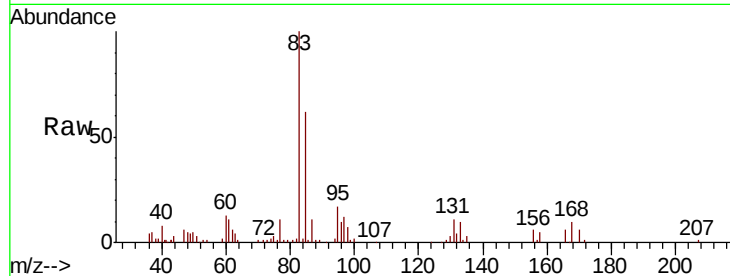
ClientSampleId :

VD1204SBS01

Tot Ion:	83	Resp:	72875
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.7	17.0
85	64.7	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 17.604 ug/l m

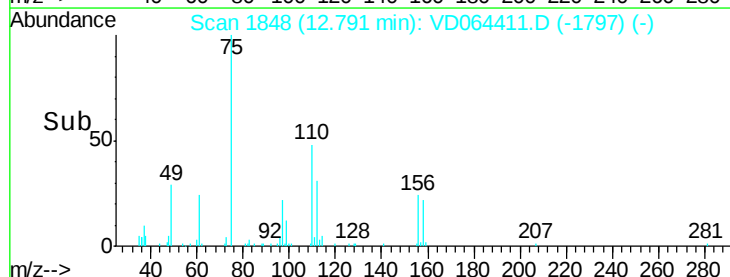
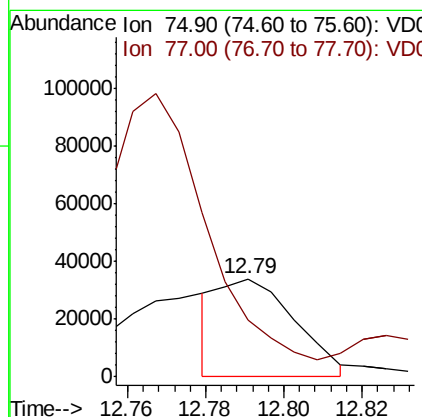
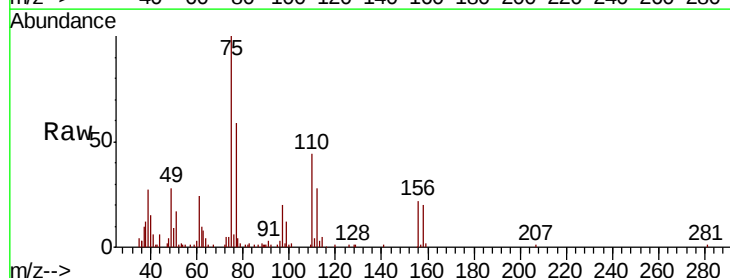
RT: 12.79 min Scan# 1848

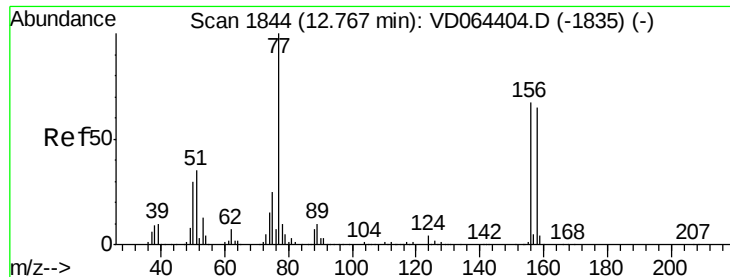
Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Tgt Ion:	75	Resp:	45956
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.409 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

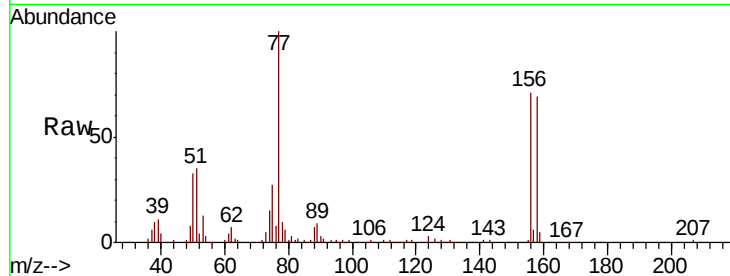
ClientSampleId :

VD1204SBS01

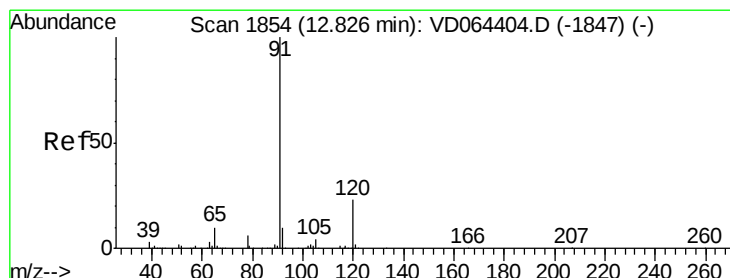
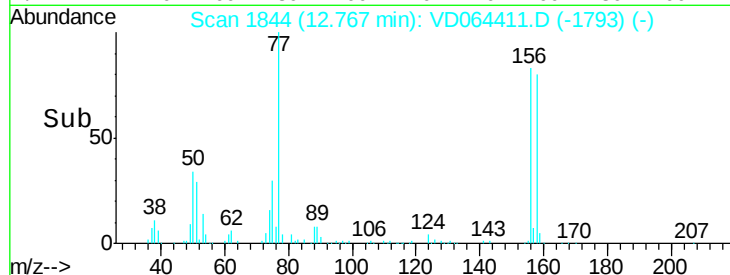
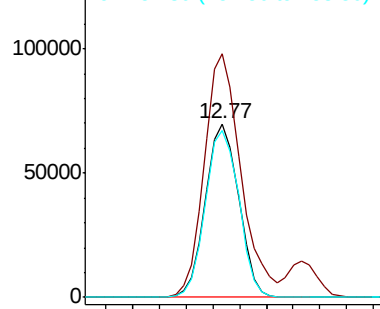
Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	155.0	80.0	240.2	
158	97.0	48.9	146.6	

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Abundance Ion 155.80 (155.50 to 156.50): V



#78

n-propylbenzene

Concen: 21.667 ug/l

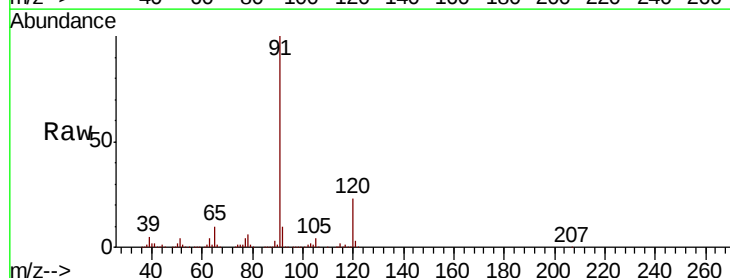
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

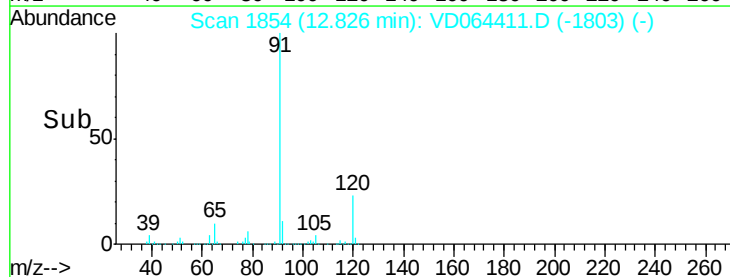
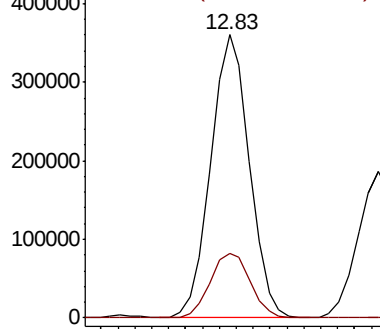
Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.8	11.9	35.9	



Abundance Ion 91.00 (90.70 to 91.70): V





#79

2-Chlorotoluene

Concen: 21.287 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 91 Resp: 308541

Ion Ratio Lower Upper

91 100

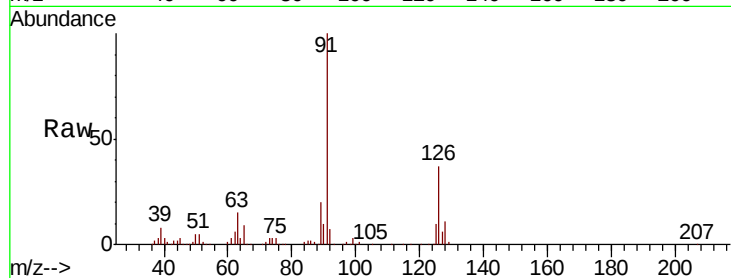
126 36.7 18.0 54.0

Manual Integrations

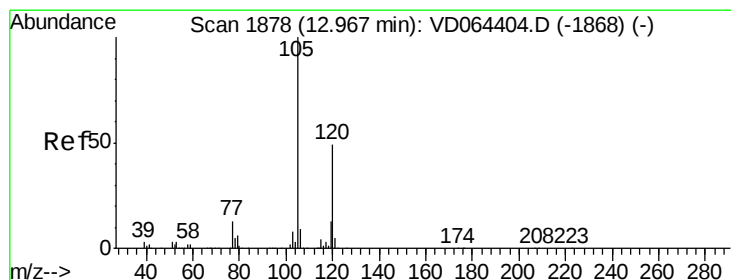
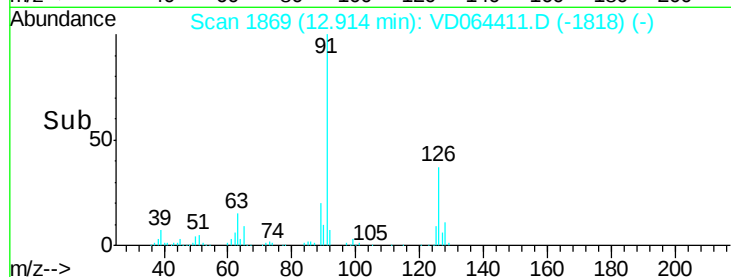
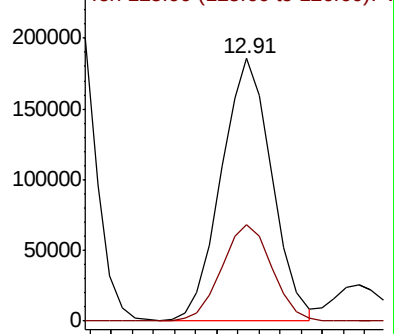
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Abundance Ion 91.00 (90.70 to 91.70): VD064411.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.563 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064411.D

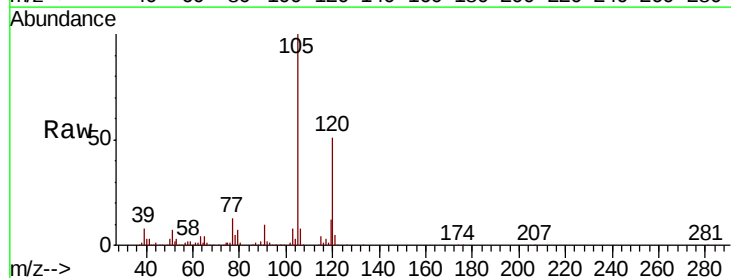
Acq: 04 Dec 2019 12:30

Tgt Ion: 105 Resp: 402304

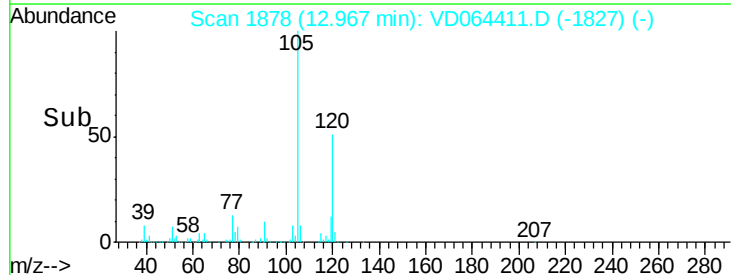
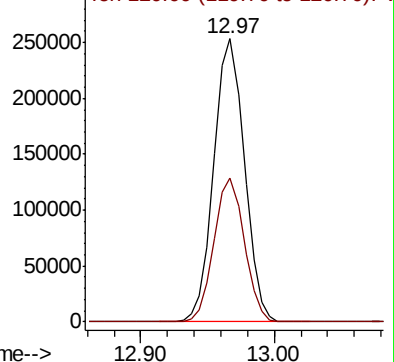
Ion Ratio Lower Upper

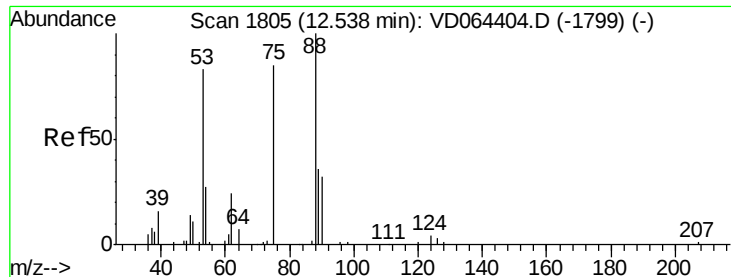
105 100

120 50.3 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064411.D (-1827) (-)





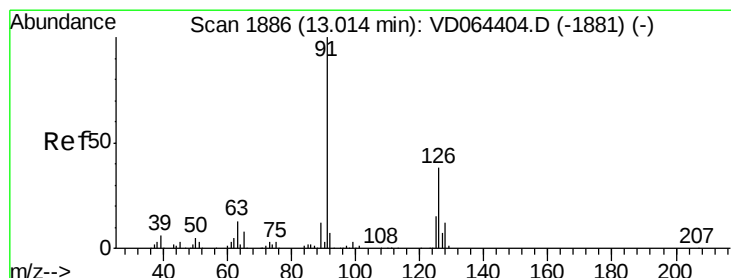
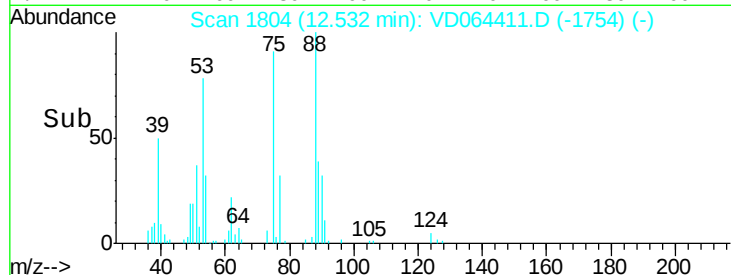
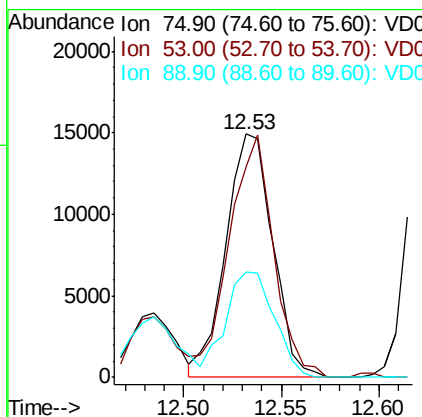
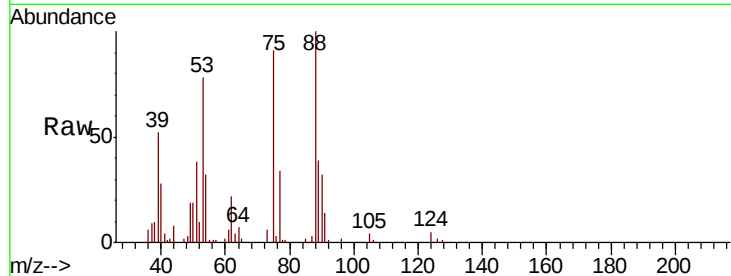
#81
trans-1,4-Dichloro-2-butene
Concen: 20.693 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	81.0	121.6
89	45.1	38.5	57.7

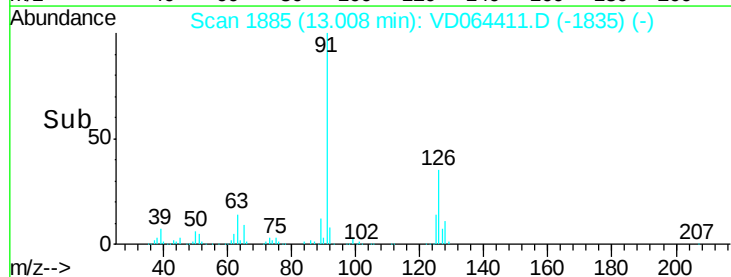
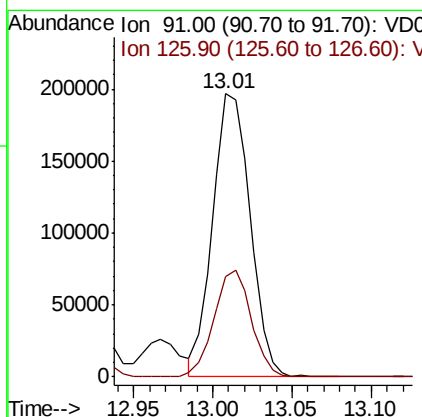
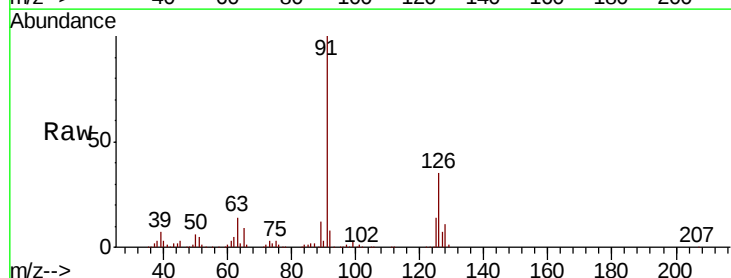
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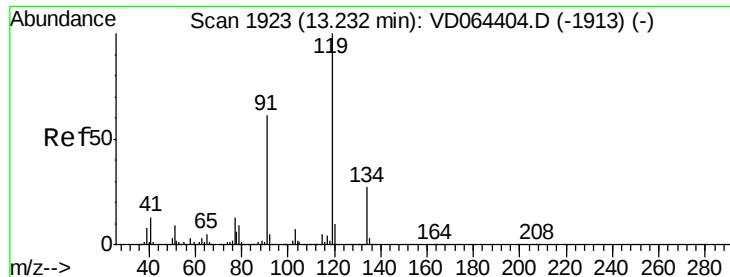
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12/5/2019 2:59:01 PM



#82
4-Chlorotoluene
Concen: 21.086 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.3	18.2	54.6





#83

tert-Butylbenzene

Concen: 21.351 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

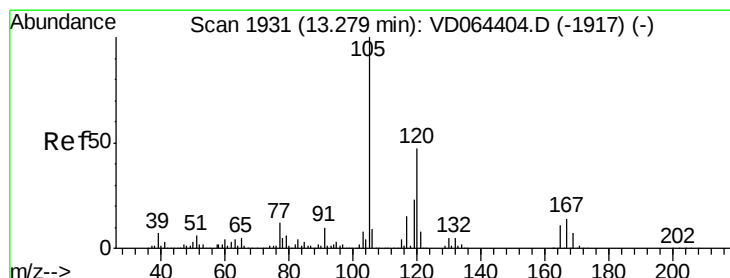
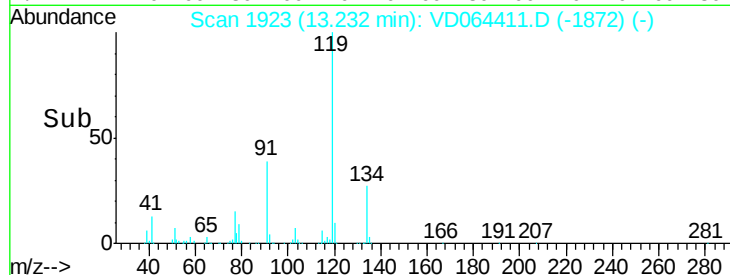
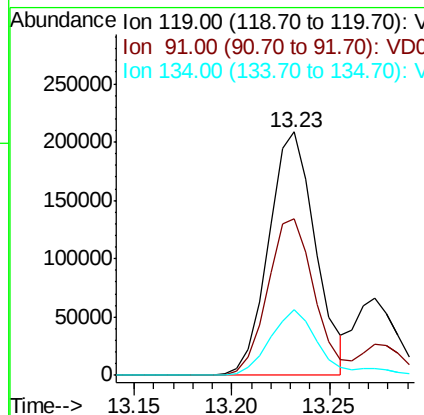
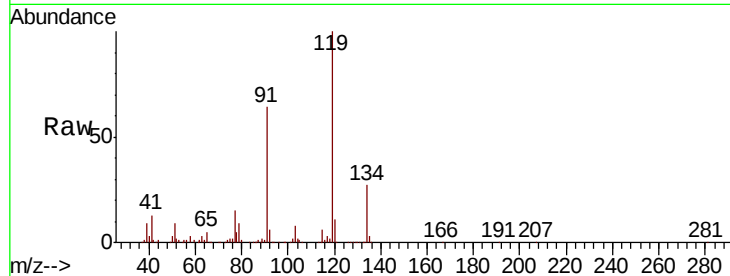
ClientSampleId :

VD1204SBS01

Tot Ion:	119	Resp:	346318
Ion Ratio	Lower	Upper	
119	100		
91	64.8	31.2	93.6
134	28.9	13.9	41.7

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#84

1,2,4-Trimethylbenzene

Concen: 20.994 ug/l

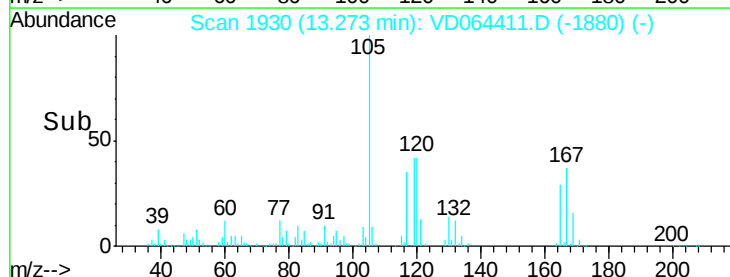
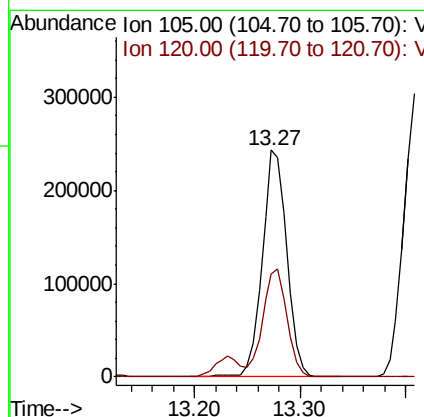
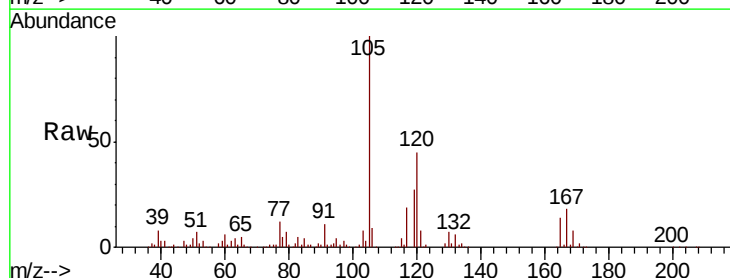
RT: 13.27 min Scan# 1930

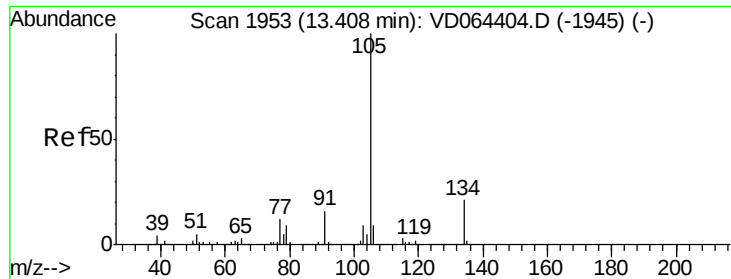
Delta R.T. -0.01 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Tgt Ion:	105	Resp:	393853
Ion Ratio	Lower	Upper	
105	100		
120	46.4	23.6	70.8





#85

sec-Butylbenzene

Concen: 21.494 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion:105 Resp: 478485

Ion Ratio Lower Upper

105 100

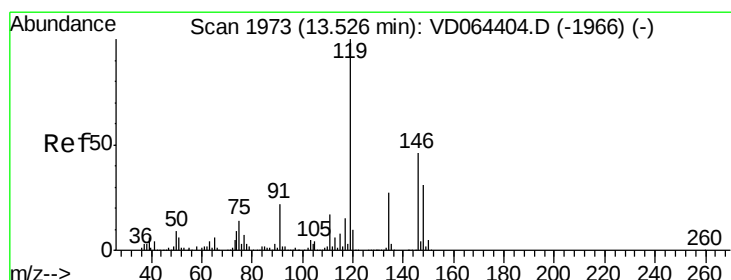
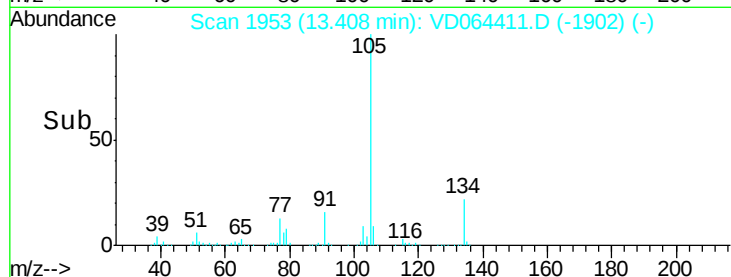
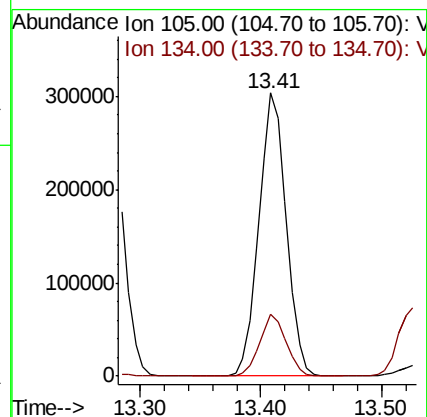
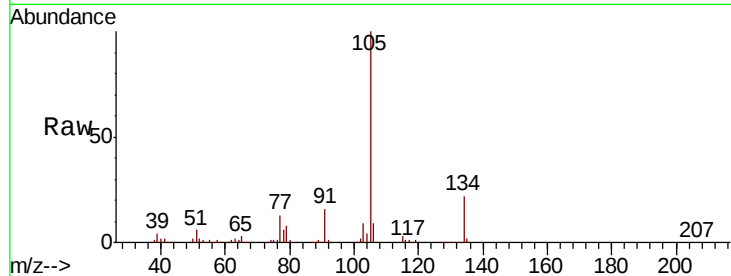
134 21.1 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 21.389 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

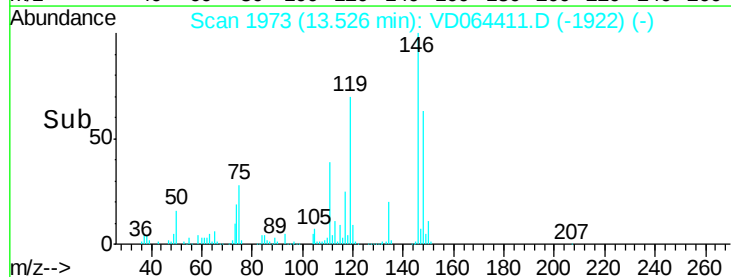
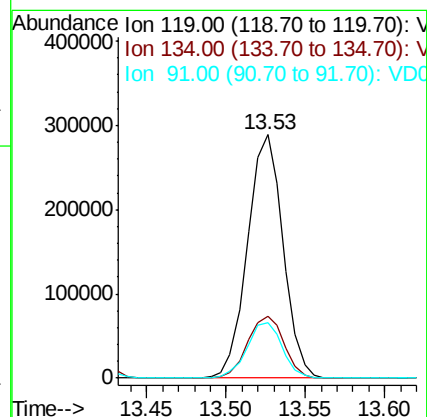
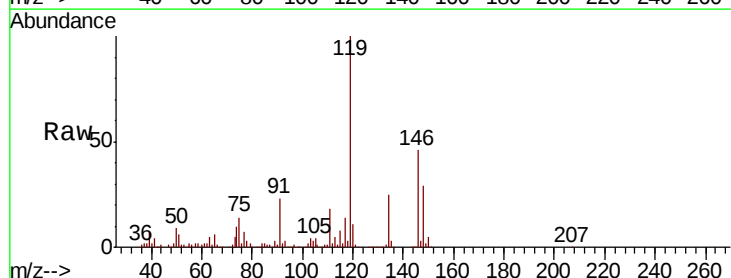
Tgt Ion:119 Resp: 449537

Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.4

91 22.6 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.518 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Instrument :

MSVOA_D

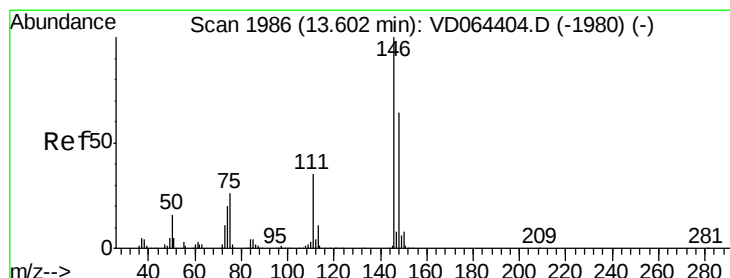
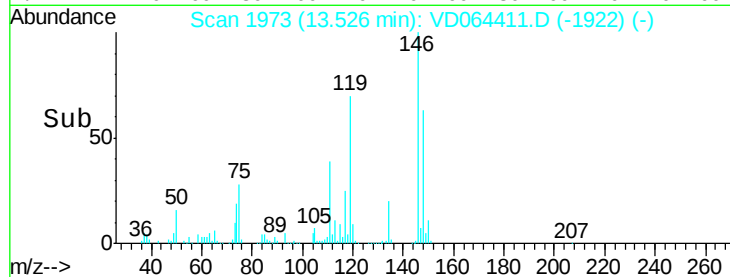
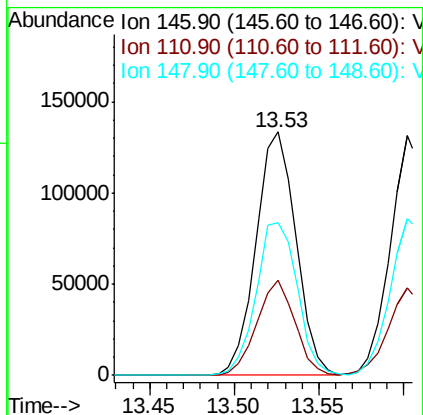
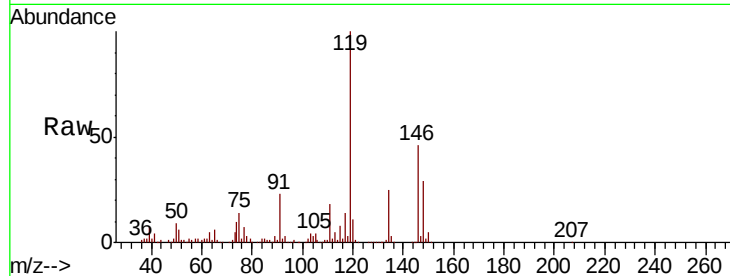
ClientSampleId :

VD1204SBS01

Tot Ion:	146	Resp:	219551
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.8	56.4
148	65.0	32.6	97.8

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#88

1,4-Dichlorobenzene

Concen: 20.274 ug/l

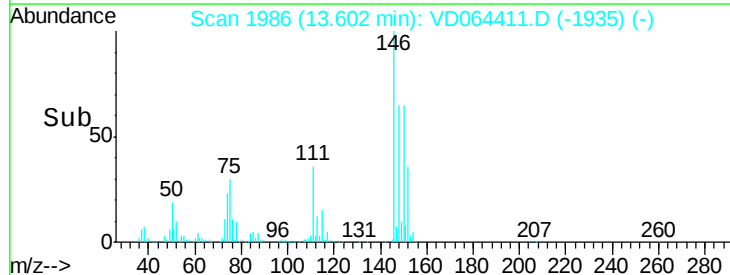
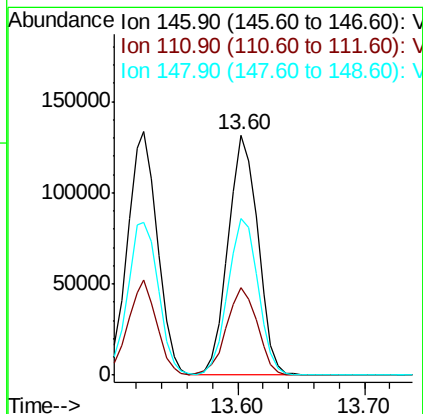
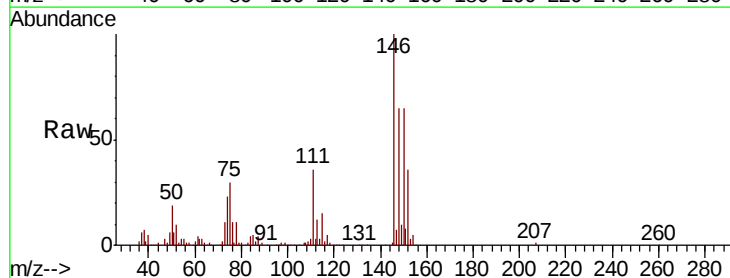
RT: 13.60 min Scan# 1986

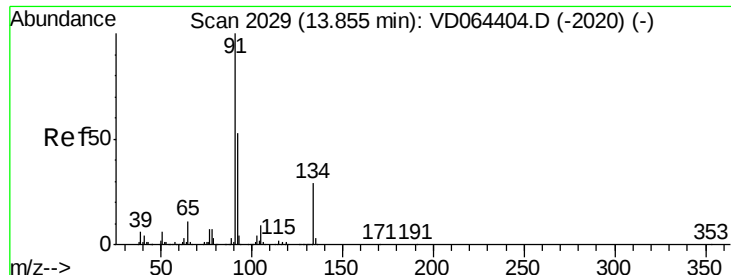
Delta R.T. 0.00 min

Lab File: VD064411.D

Acq: 04 Dec 2019 12:30

Tgt Ion:	146	Resp:	214191
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.2	54.6
148	66.1	31.8	95.4





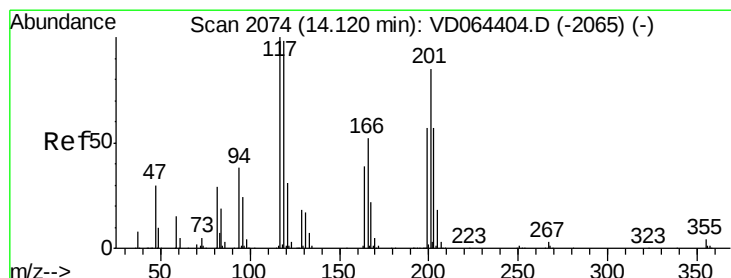
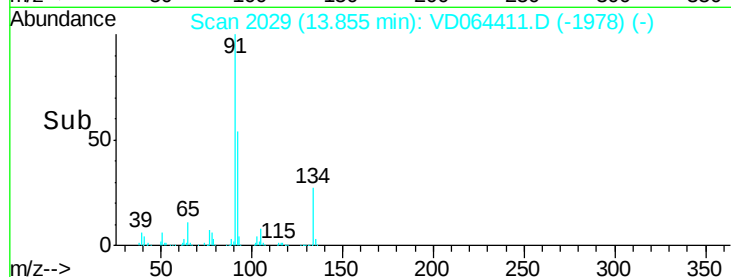
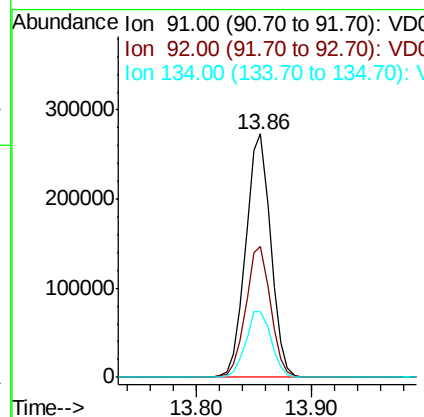
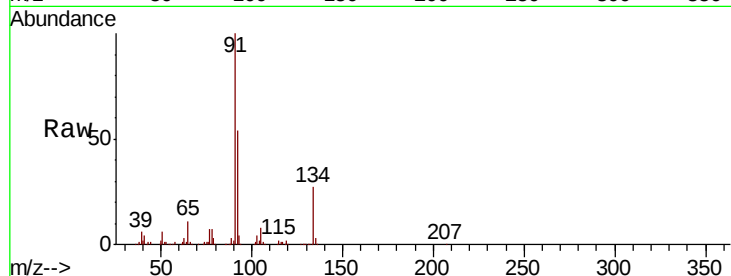
#89
n-Butylbenzene
Concen: 21.474 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.6	26.5	79.4	
134	27.7	13.9	41.7	

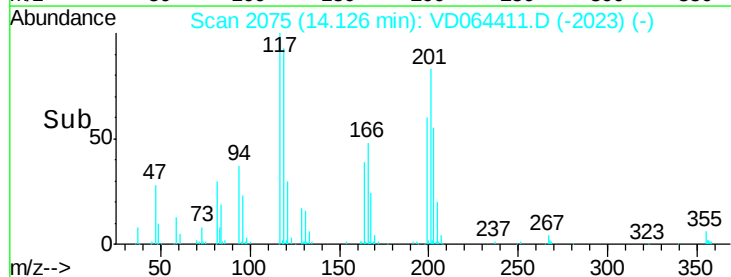
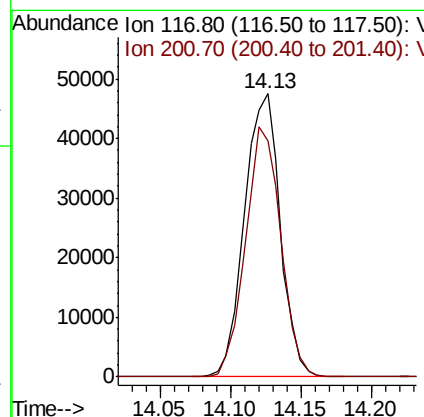
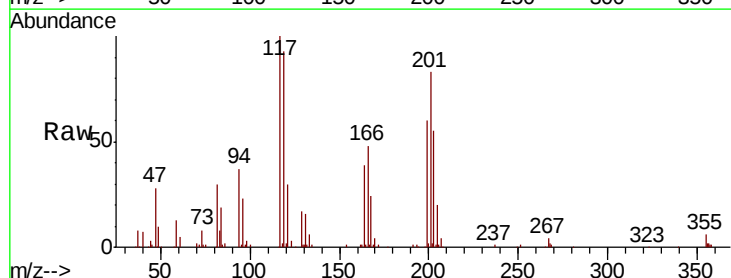
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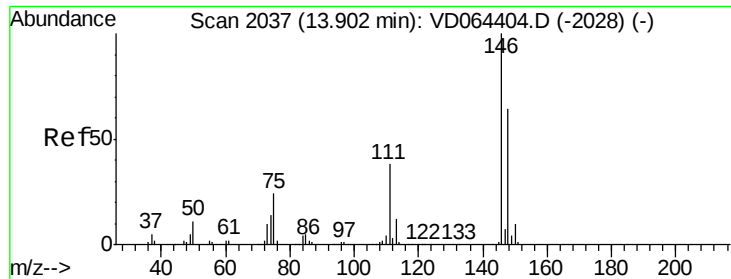
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#90
Hexachloroethane
Concen: 21.432 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.2	44.3	132.8	





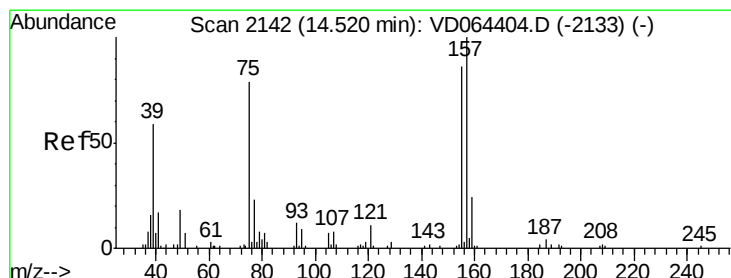
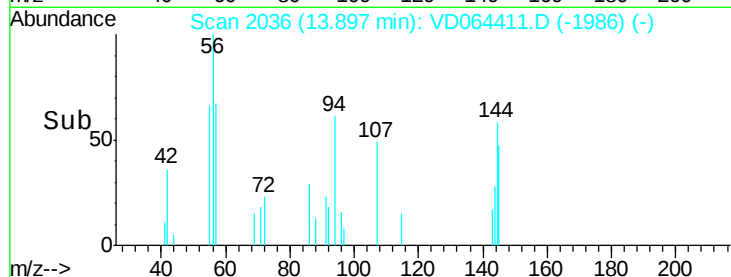
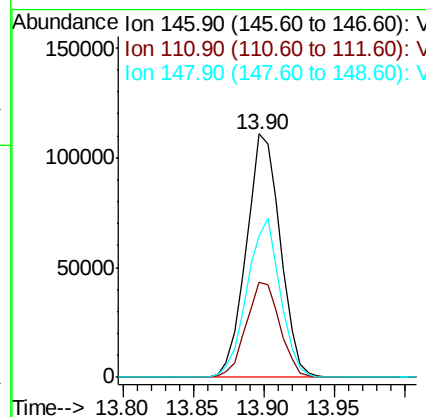
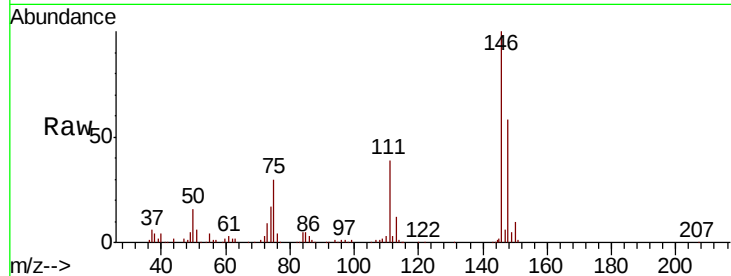
#91
 1,2-Dichlorobenzene
 Concen: 20.493 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	63.6	32.0	96.0

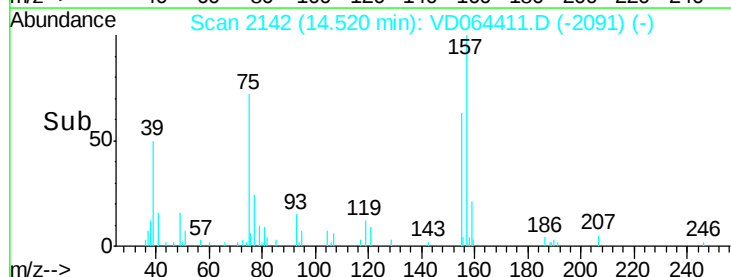
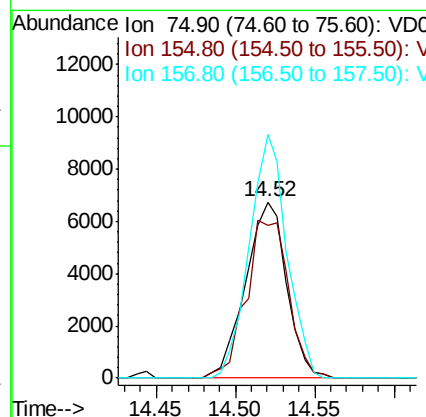
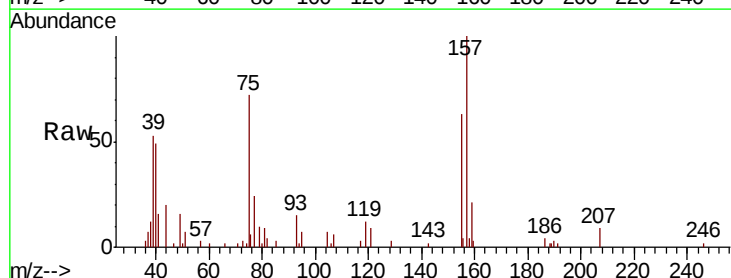
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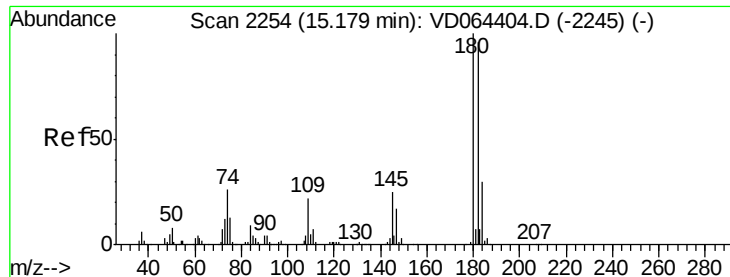
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.734 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	51.9	155.7
157	126.8	63.2	189.8





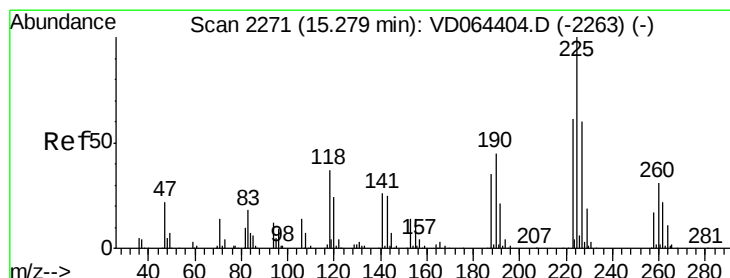
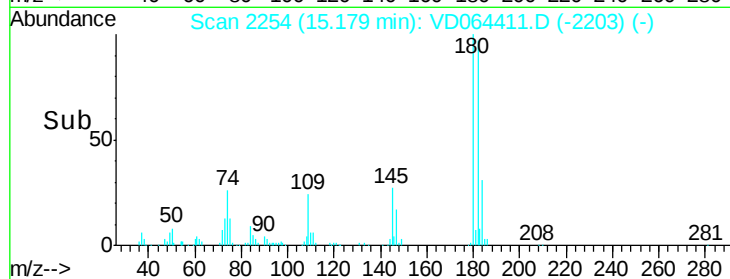
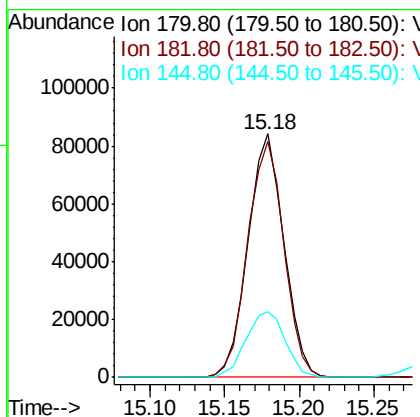
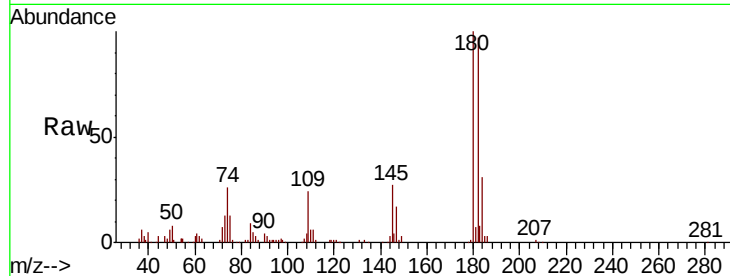
#93
 1,2,4-Trichlorobenzene
 Concen: 19.990 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139999		
182	97.7	47.4	142.3	
145	29.4	14.0	41.9	

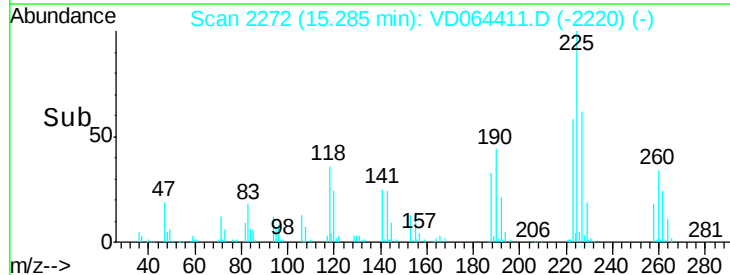
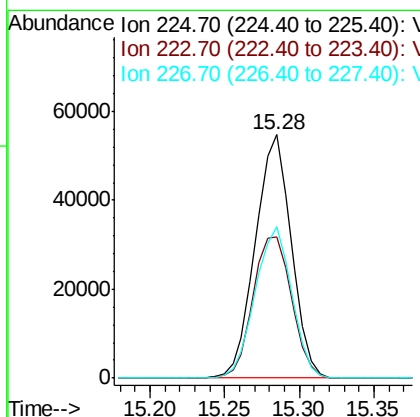
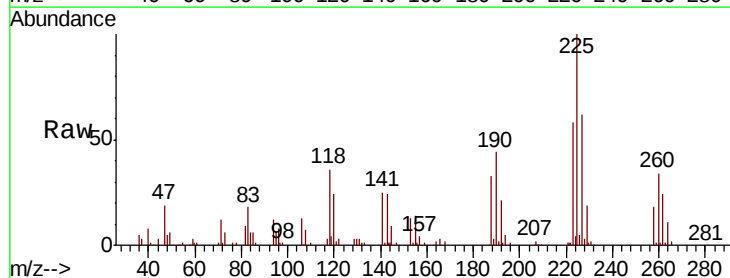
Manual Integrations
 APPROVED

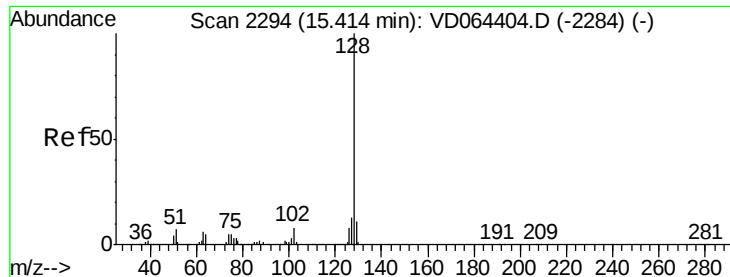
apatel
 12/5/2019 2:59:01 PM



#94
 Hexachlorobutadiene
 Concen: 21.129 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064411.D
 Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91352		
223	62.4	31.1	93.3	
227	63.2	31.8	95.4	





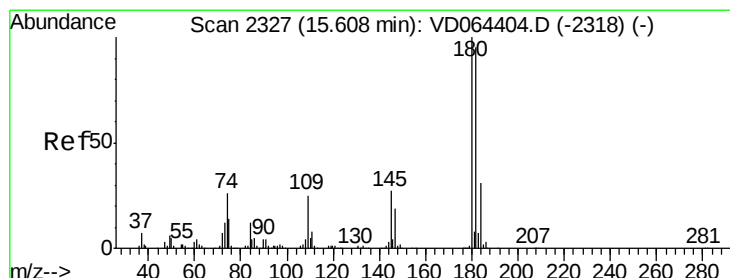
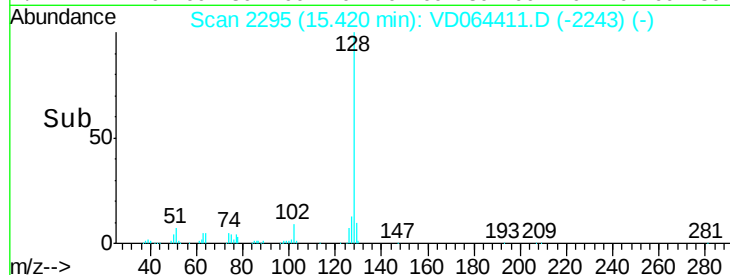
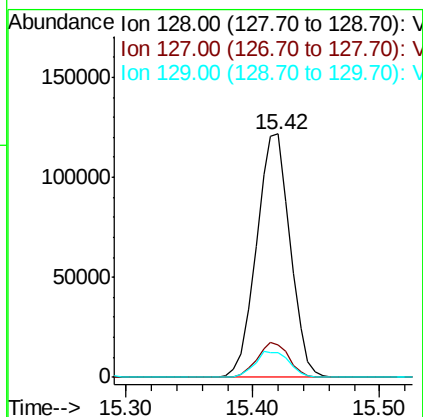
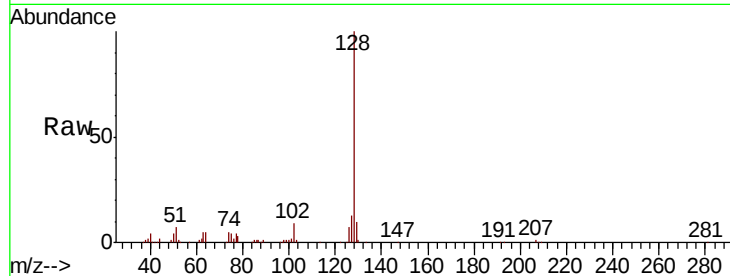
#95
Naphthalene
Concen: 19.213 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

apatel
12/5/2019 2:59:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.300 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064411.D
Acq: 04 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.9
145	29.0	14.6	43.8

