

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064403.D
 Acq On : 27 Nov 2019 18:50
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
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apatel
 12/2/2019 10:56:37 AM

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	442284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	648957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	578853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279897	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	79469	21.94	ug/l	0.00
Spiked Amount						
			Recovery	=	43.88%	
35) Dibromofluoromethane	7.92	113	78387	21.07	ug/l	0.00
Spiked Amount						
			Recovery	=	42.14%	
50) Toluene-d8	10.34	98	303690	21.73	ug/l	0.00
Spiked Amount						
			Recovery	=	43.46%	
62) 4-Bromofluorobenzene	12.64	95	94995	19.84	ug/l	0.00
Spiked Amount						
			Recovery	=	39.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	85401	23.228	ug/l	99
3) Chloromethane	2.21	50	107723	26.428	ug/l	99
4) Vinyl Chloride	2.35	62	121710	27.427	ug/l	96
5) Bromomethane	2.76	94	87436	30.483	ug/l	98
6) Chloroethane	2.91	64	80906	28.298	ug/l	99
7) Trichlorofluoromethane	3.27	101	198397	27.419	ug/l	99
8) Diethyl Ether	3.70	74	43006	22.798	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84473	21.557	ug/l	99
10) Methyl Iodide	4.29	142	82680	21.068	ug/l	99
11) Tert butyl alcohol	5.26	59	26372	104.342	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	82404	22.086	ug/l	95
13) Acrolein	3.93	56	37534	165.268	ug/l	97
14) Allyl chloride	4.71	41	127585	19.771	ug/l	100
15) Acrylonitrile	5.43	53	93874	116.078	ug/l	98
16) Acetone	4.17	43	79292	93.388	ug/l	94
17) Carbon Disulfide	4.40	76	259487	22.249	ug/l	99
18) Methyl Acetate	4.73	43	52812	22.111	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	190132	21.412	ug/l	96
20) Methylene Chloride	4.96	84	96279	21.997	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	92407	21.820	ug/l	98
22) Diisopropyl ether	6.37	45	254564	20.952	ug/l	98
23) Vinyl Acetate	6.31	43	735074	107.657	ug/l	100
24) 1,1-Dichloroethane	6.27	63	150525	21.242	ug/l	94
25) 2-Butanone	7.23	43	118794	106.615	ug/l	98
26) 2,2-Dichloropropane	7.21	77	127944	18.772	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	100277	21.975	ug/l	98
28) Bromochloromethane	7.55	49	41666	16.917	ug/l	97
29) Tetrahydrofuran	7.57	42	76279	113.510	ug/l	98
30) Chloroform	7.71	83	157361	21.642	ug/l	98
31) Cyclohexane	7.98	56	146117	20.548	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	143901	20.786	ug/l	99
36) 1,1-Dichloropropene	8.11	75	124352	20.914	ug/l	99
37) Ethyl Acetate	7.30	43	55058	21.749	ug/l	97
38) Carbon Tetrachloride	8.10	117	131028	20.515	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154265	20.388	ug/l	95
40) Benzene	8.36	78	342767	20.936	ug/l	99
41) Methacrylonitrile	7.53	41	34244	21.596	ug/l	95
42) 1,2-Dichloroethane	8.43	62	101532	20.729	ug/l	98
43) Isopropyl Acetate	8.46	43	104555	20.195	ug/l	99
44) Trichloroethene	9.11	130	106408	21.719	ug/l	92
45) 1,2-Dichloropropane	9.39	63	83896	21.009	ug/l	96
46) Dibromomethane	9.48	93	48171	22.367	ug/l	99
47) Bromodichloromethane	9.66	83	120014	20.816	ug/l	99
48) Methyl methacrylate	9.46	41	48728	19.399	ug/l	95
49) 1,4-Dioxane	9.47	88	12459	481.029	ug/l #	95
51) 4-Methyl-2-Pentanone	10.23	43	260519	104.388	ug/l	100
52) Toluene	10.40	92	225781	21.020	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	114877	20.056	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	135192	20.189	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	64157	22.005	ug/l	98
56) Ethyl methacrylate	10.67	69	81834	20.268	ug/l	98
57) 1,3-Dichloropropane	10.95	76	110704	21.828	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	175896	109.341	ug/l	99
59) 2-Hexanone	10.98	43	181970	103.115	ug/l	99
60) Dibromochloromethane	11.14	129	87976	21.645	ug/l	100
61) 1,2-Dibromoethane	11.25	107	64665	22.135	ug/l	98
64) Tetrachloroethene	10.88	164	89257	20.201	ug/l	97
65) Chlorobenzene	11.67	112	241276	20.536	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	87313	19.562	ug/l	99
67) Ethyl Benzene	11.75	91	424732	20.030	ug/l	98
68) m/p-Xylenes	11.85	106	321909	39.631	ug/l	98
69) o-Xylene	12.18	106	151746	20.143	ug/l	99
70) Styrene	12.20	104	256729	19.553	ug/l	100
71) Bromoform	12.37	173	53469	20.985	ug/l #	100
73) Isopropylbenzene	12.48	105	400613	19.655	ug/l	98
74) N-amyl acetate	12.30	43	92672	19.238	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	68951	22.013	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	45532m	20.382	ug/l	
77) Bromobenzene	12.77	156	103208	20.766	ug/l	99
78) n-propylbenzene	12.83	91	471031	20.223	ug/l	100
79) 2-Chlorotoluene	12.91	91	262969	20.061	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	332932	19.860	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	20047	17.922	ug/l	95
82) 4-Chlorotoluene	13.01	91	271611	19.817	ug/l	99
83) tert-Butylbenzene	13.23	119	281772	19.155	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	331761	20.045	ug/l	99
85) sec-Butylbenzene	13.41	105	392327	19.778	ug/l	99
86) p-Isopropyltoluene	13.53	119	368017	19.530	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	188037	20.312	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	188370	20.911	ug/l	99
89) n-Butylbenzene	13.85	91	336233	19.741	ug/l	99
90) Hexachloroethane	14.12	117	68015	19.468	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	166044	21.136	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11395	20.742	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	123458	20.478	ug/l	98
94) Hexachlorobutadiene	15.28	225	75959	19.580	ug/l	98
95) Naphthalene	15.41	128	211708	21.267	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	106822	20.713	ug/l	98

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

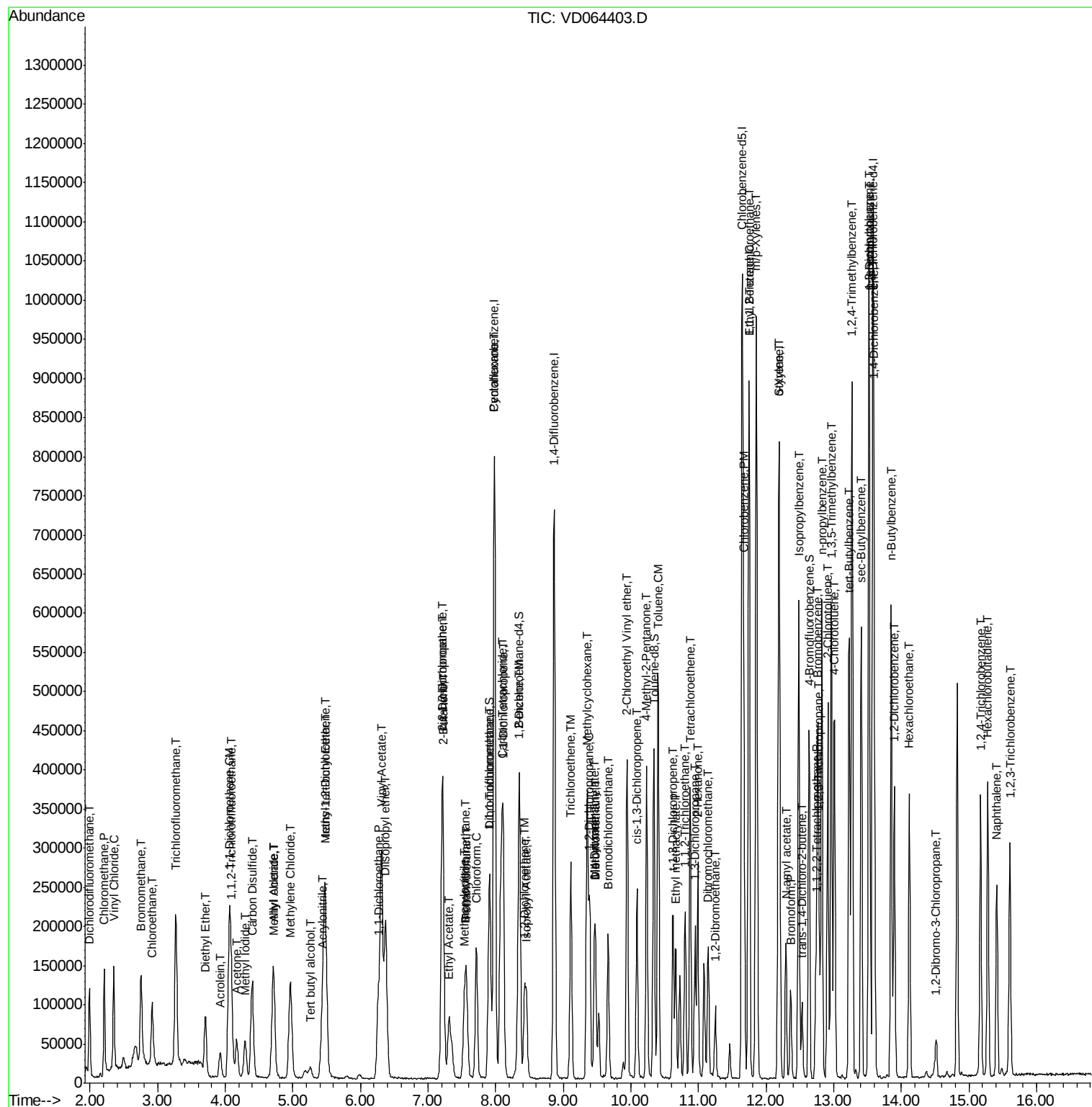
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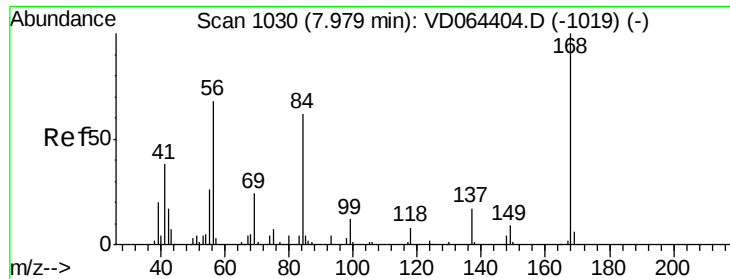
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 442284

Ion Ratio Lower Upper

168 100

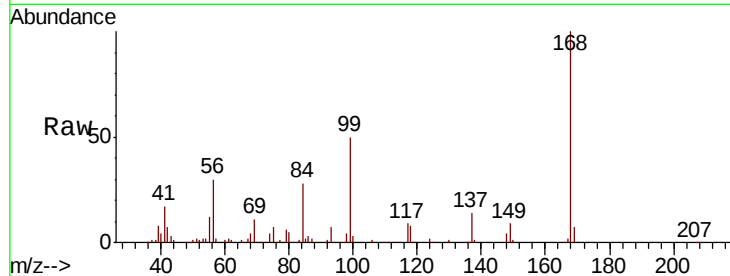
99 49.9 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

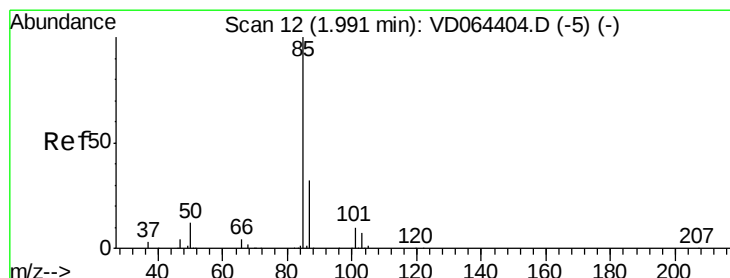
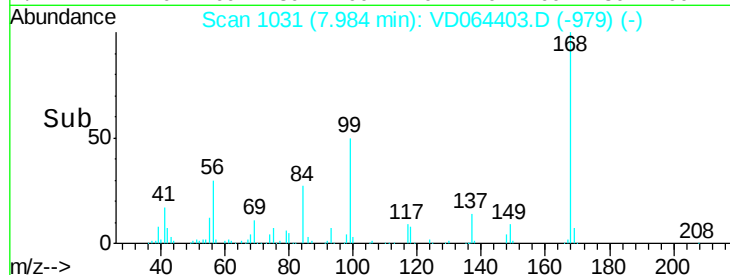
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.228 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064403.D

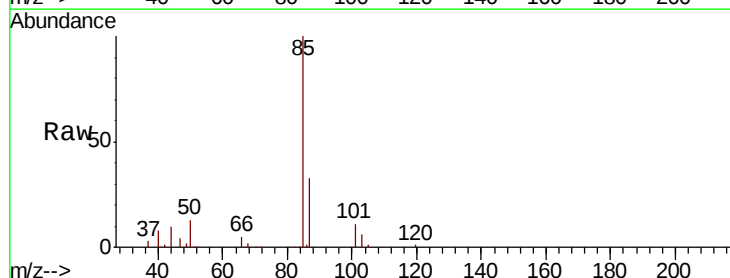
Acq: 27 Nov 2019 18:50

Tgt Ion: 85 Resp: 85401

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

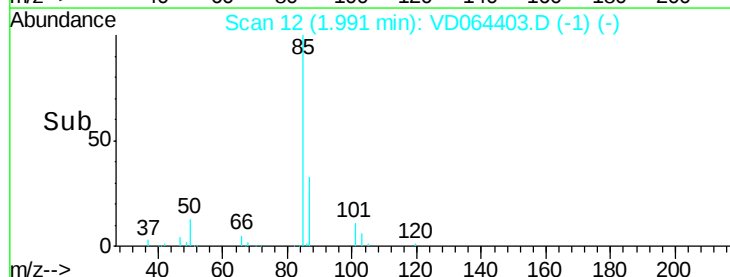
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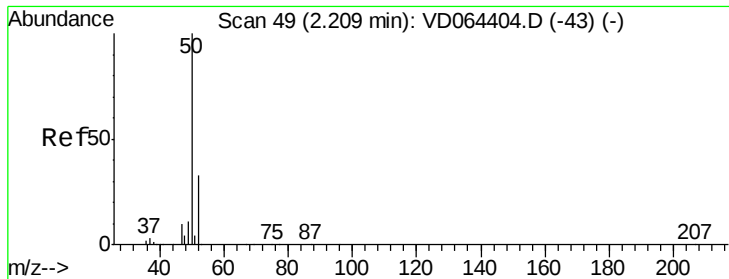
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 26.428 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 107723

Ion Ratio Lower Upper

50 100

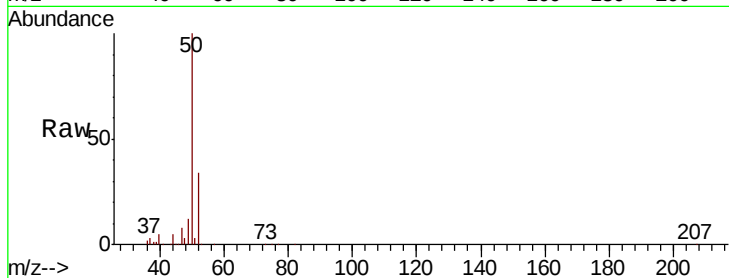
52 34.0 26.7 40.1

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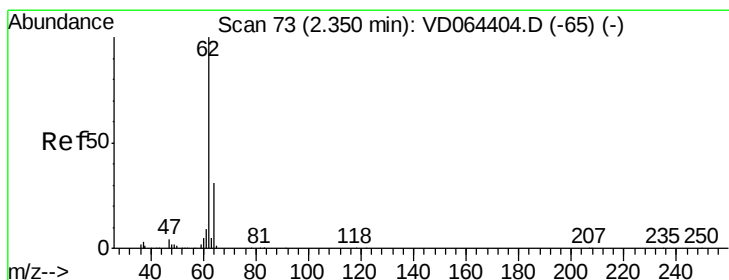
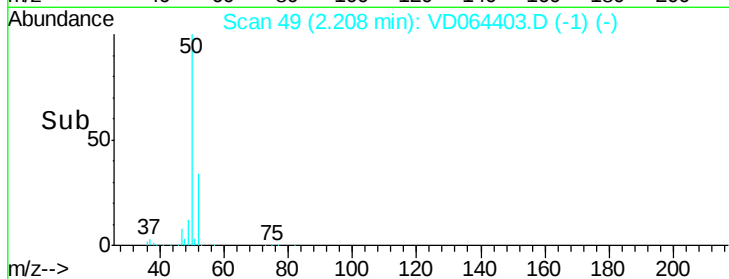
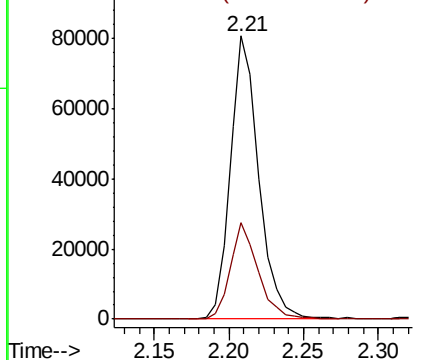
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 27.427 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064403.D

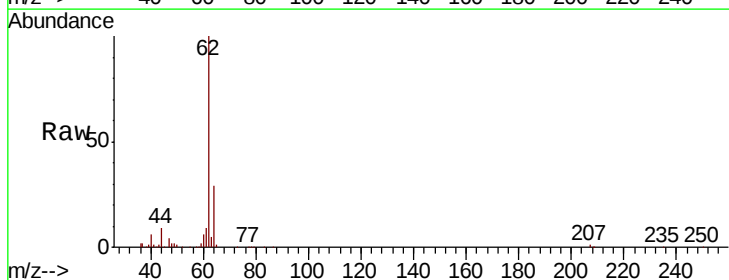
Acq: 27 Nov 2019 18:50

Tgt Ion: 62 Resp: 121710

Ion Ratio Lower Upper

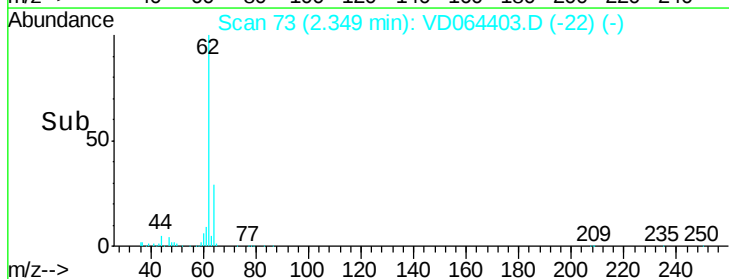
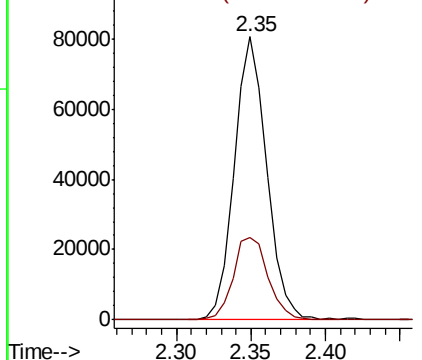
62 100

64 29.3 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 30.483 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 87436

Ion Ratio Lower Upper

94 100

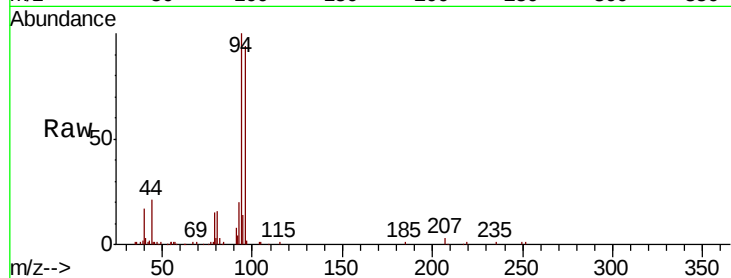
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Manual Integrations

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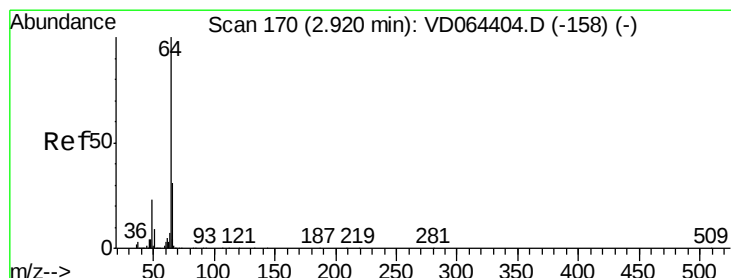
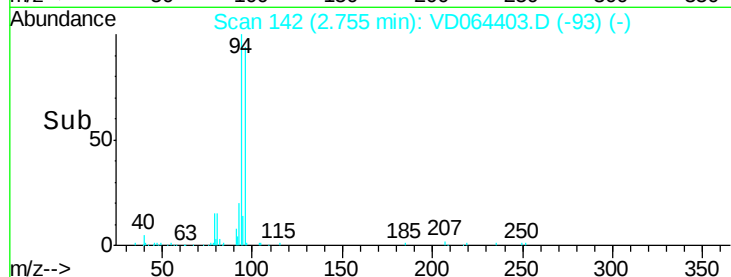
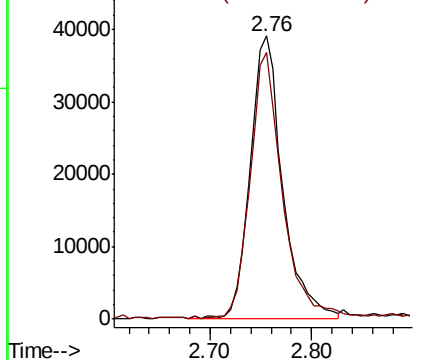
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 28.298 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064403.D

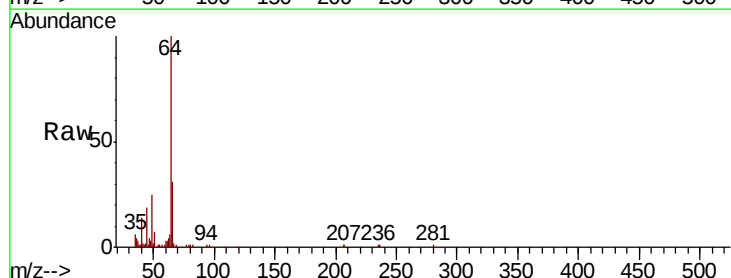
Acq: 27 Nov 2019 18:50

Tgt Ion: 64 Resp: 80906

Ion Ratio Lower Upper

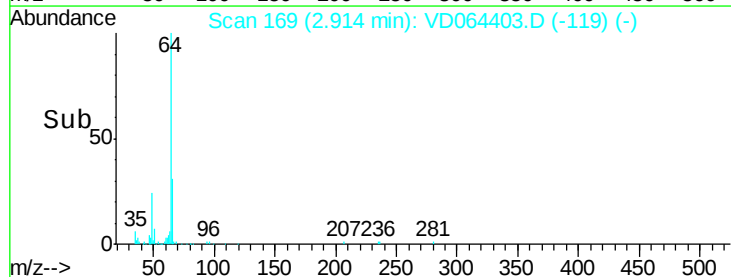
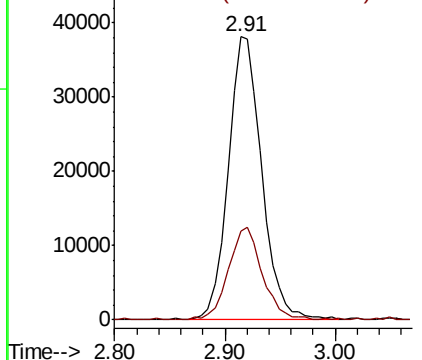
64 100

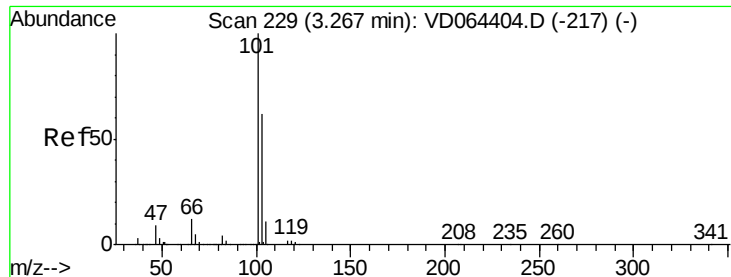
66 31.4 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

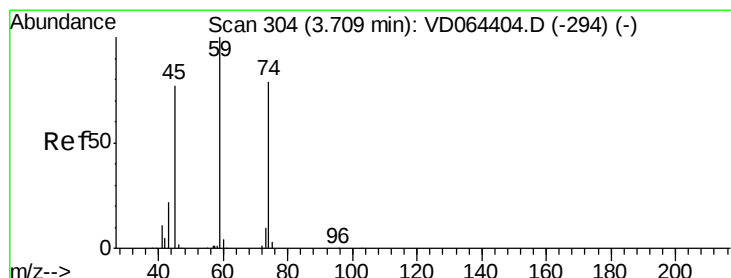
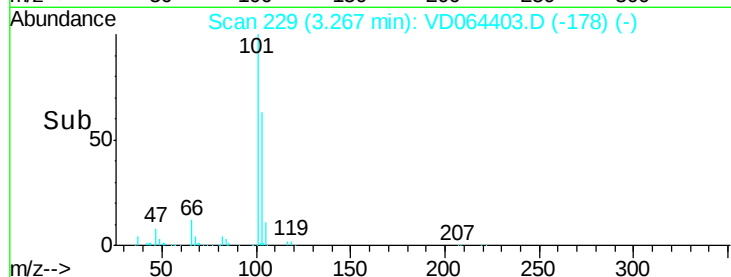
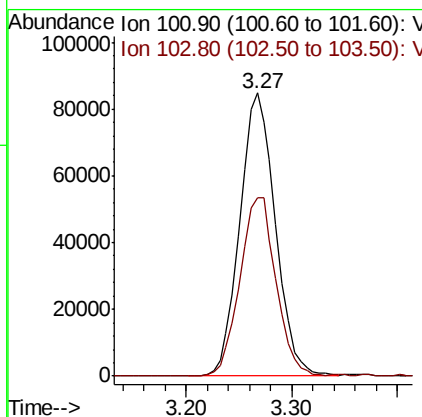
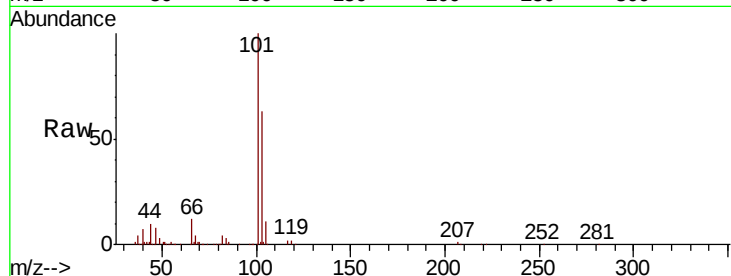
Trichlorofluoromethane
 Concen: 27.419 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD064403.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	49.8	74.6

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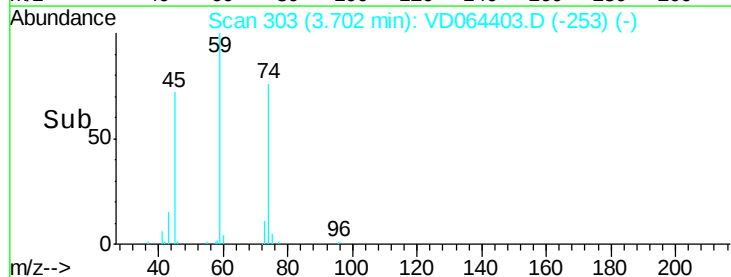
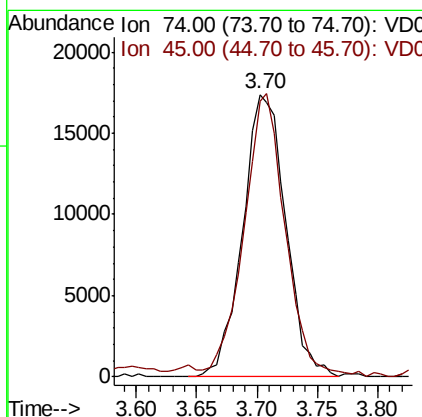
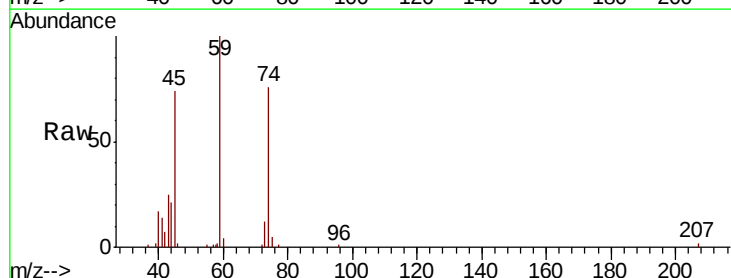
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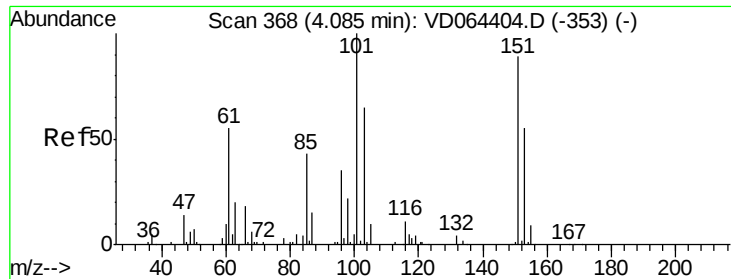


#8

Diethyl Ether
 Concen: 22.798 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064403.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.557 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

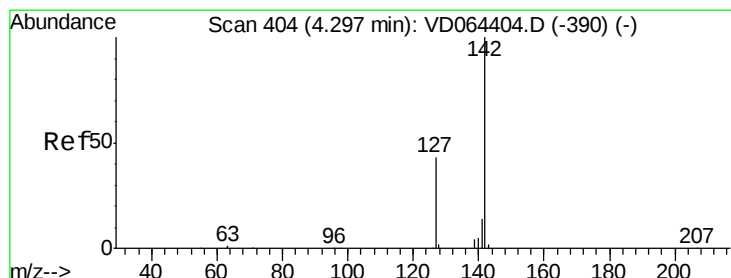
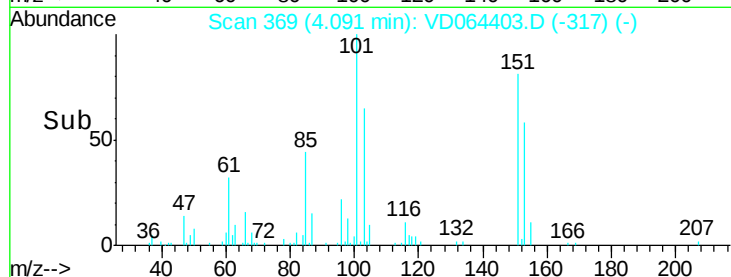
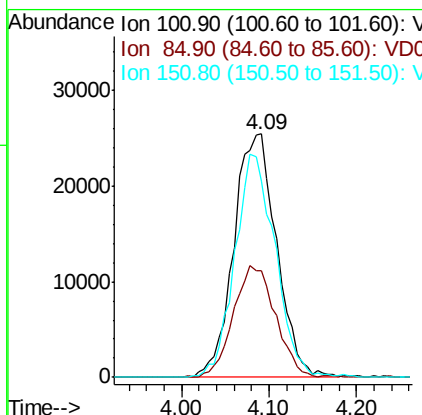
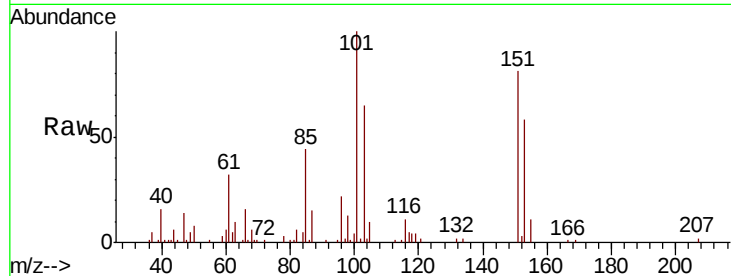
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	84473
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.8	52.2
151	86.7	68.8	103.2

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#10

Methyl Iodide

Concen: 21.068 ug/l

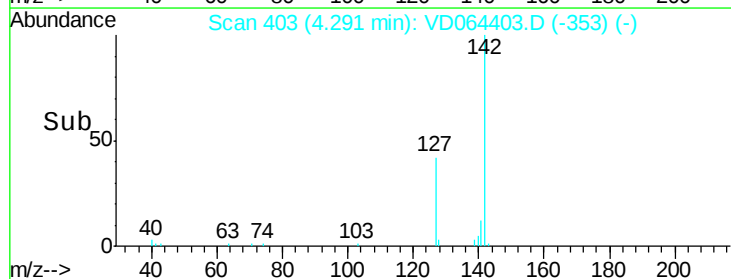
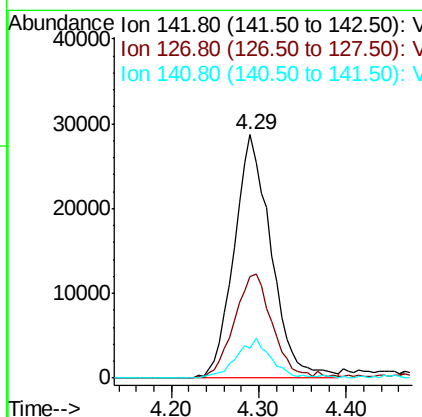
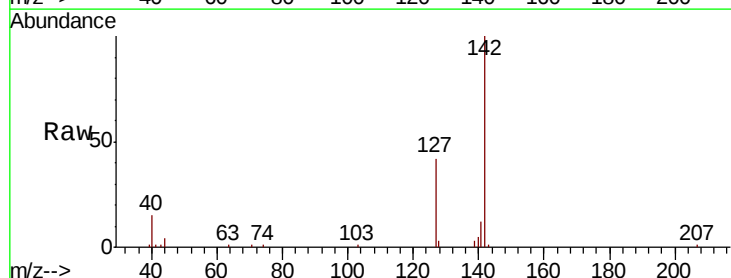
RT: 4.29 min Scan# 403

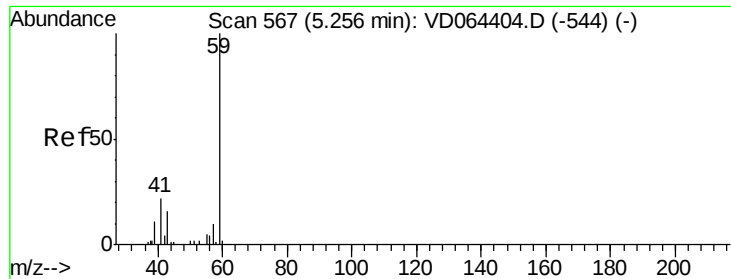
Delta R.T. -0.01 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Tgt Ion:	142	Resp:	82680
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.3	52.9
141	15.1	11.6	17.4





#11

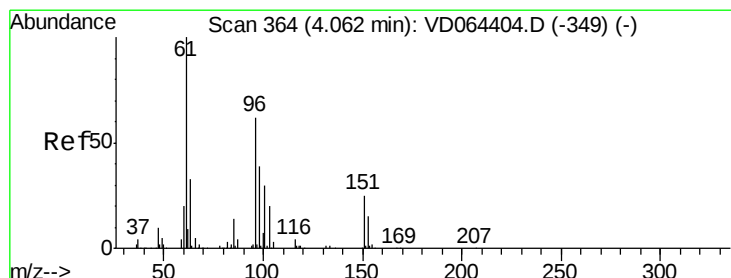
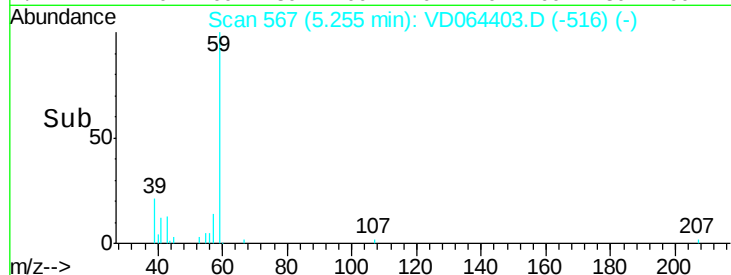
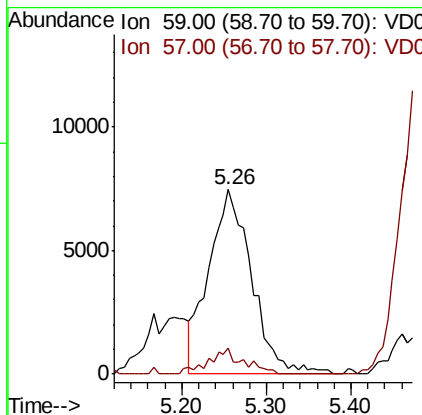
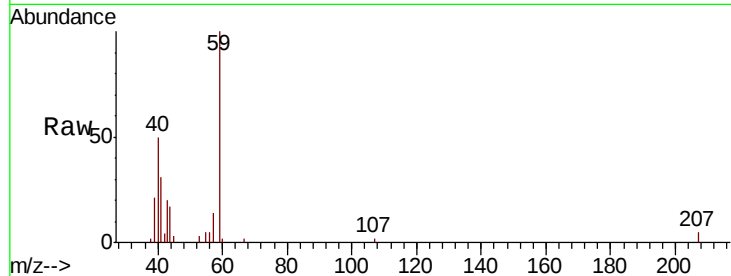
Tert butyl alcohol
Concen: 104.342 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 26372
Ion Ratio Lower Upper
59 100
57 10.4 0.0 0.0#

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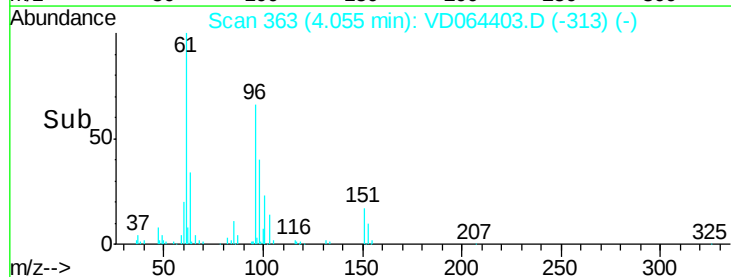
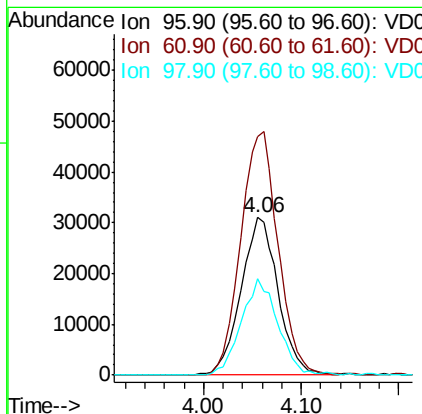
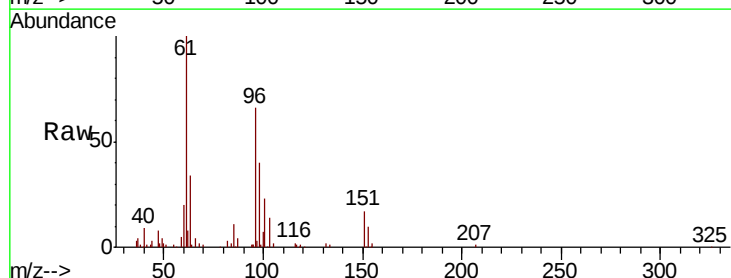
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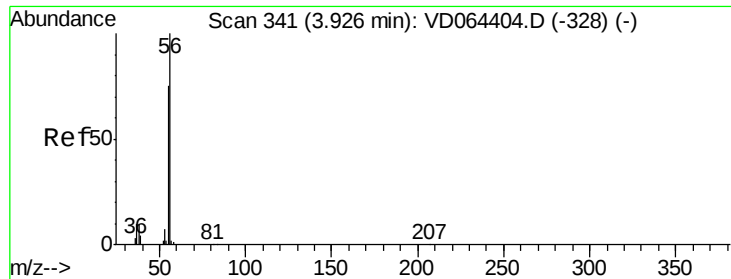


#12

1,1-Dichloroethene
Concen: 22.086 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion: 96 Resp: 82404
Ion Ratio Lower Upper
96 100
61 151.5 128.2 192.4
98 61.2 50.4 75.6





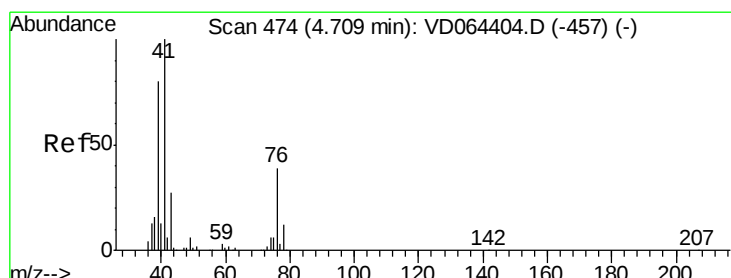
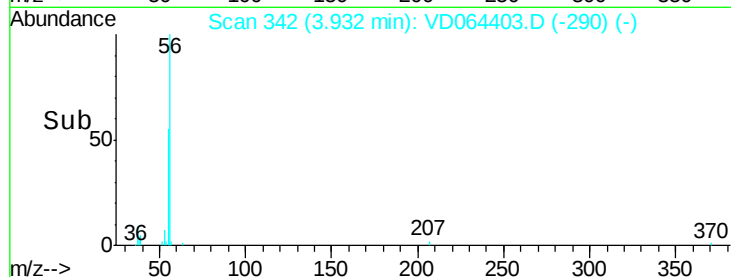
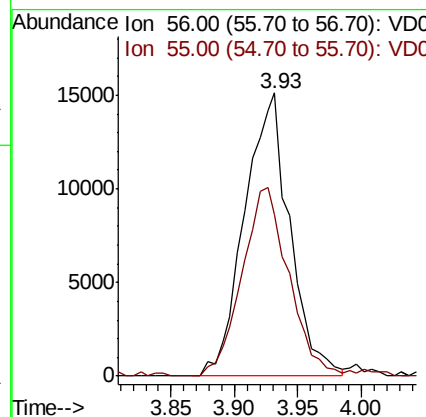
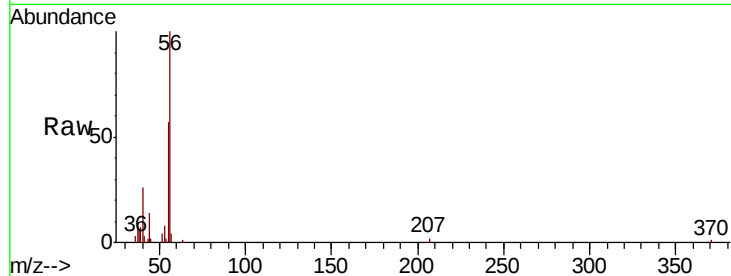
#13
 Acrolein
 Concen: 165.268 ug/l
 RT: 3.93 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VD064403.D
 Acq: 27 Nov 2019 18:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	56	Resp	37534
Ion Ratio	100	Lower	Upper
55	69.0	56.9	85.3

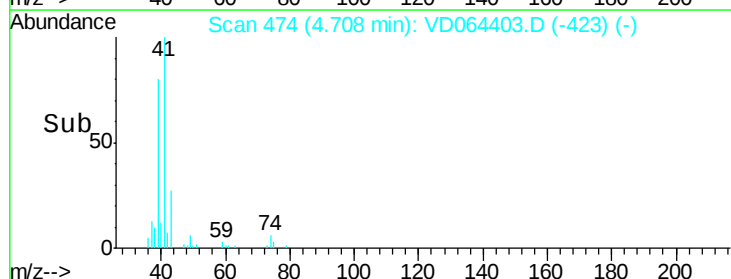
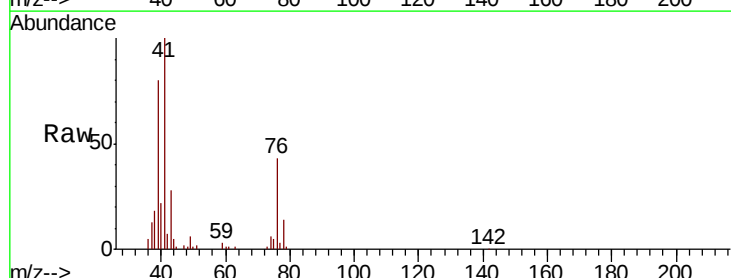
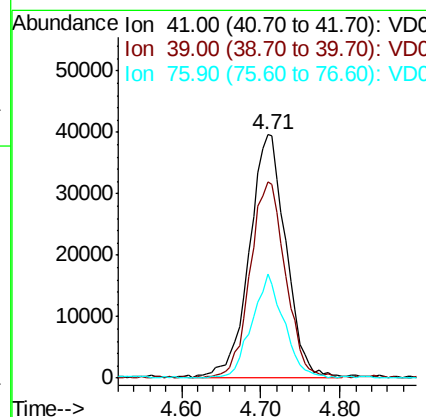
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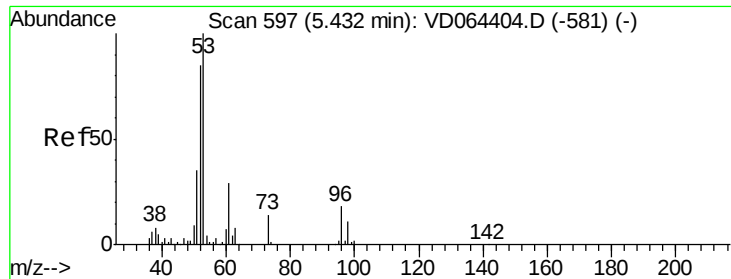
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#14
 Allyl chloride
 Concen: 19.771 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VD064403.D
 Acq: 27 Nov 2019 18:50

Tgt Ion	41	Resp	127585
Ion Ratio	100	Lower	Upper
39	77.8	62.1	93.1
76	37.5	29.8	44.8





#15

Acrylonitrile

Concen: 116.078 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

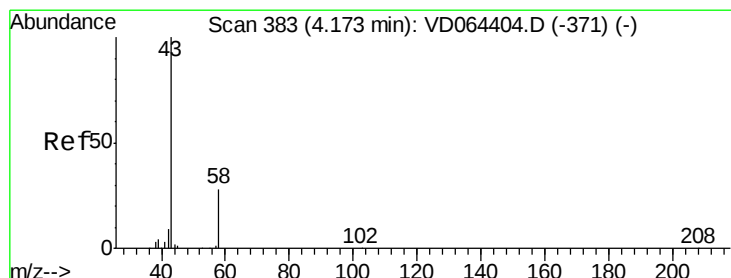
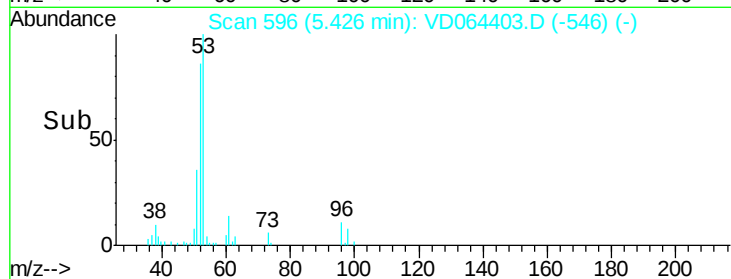
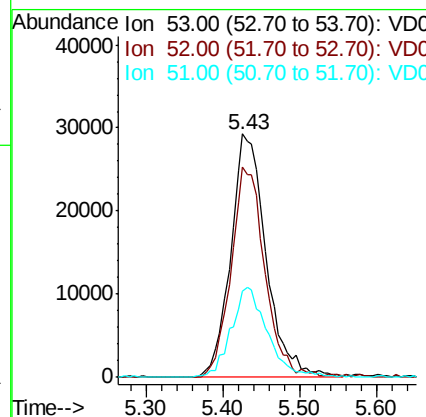
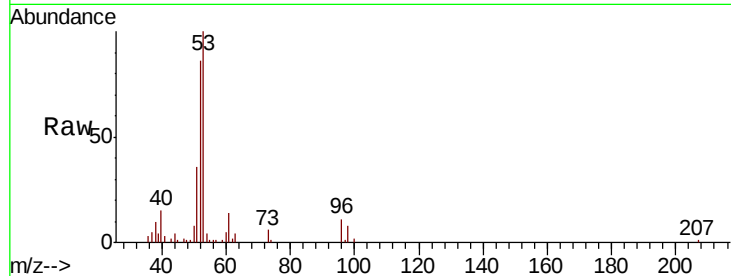
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	93874
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.9	101.9
51	38.0	30.6	45.8

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#16

Acetone

Concen: 93.388 ug/l

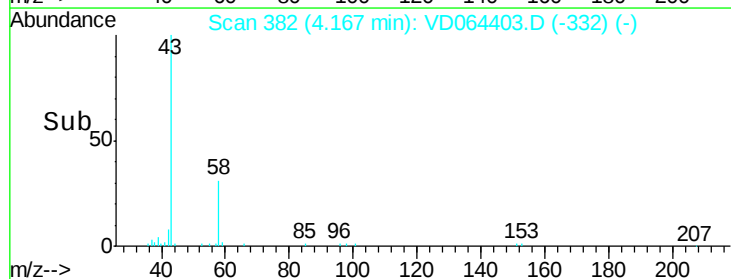
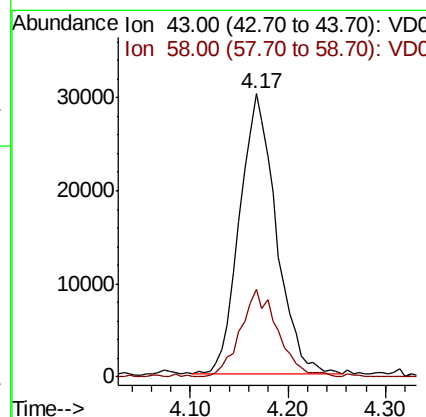
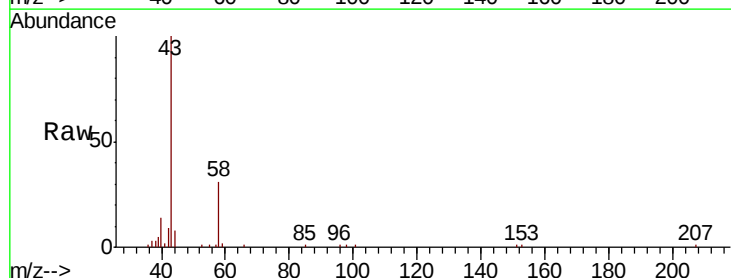
RT: 4.17 min Scan# 382

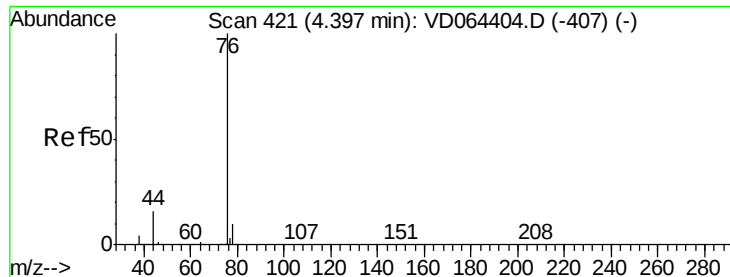
Delta R.T. -0.01 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Tgt Ion:	43	Resp:	79292
Ion	Ratio	Lower	Upper
43	100		
58	31.3	22.6	33.8





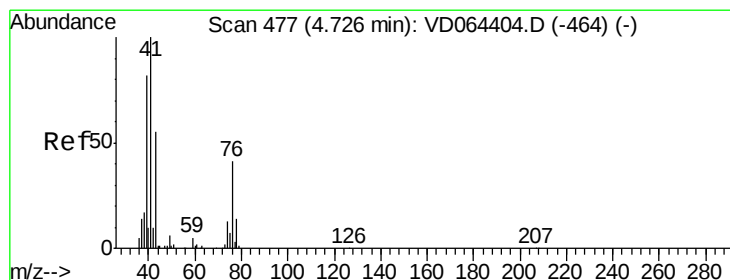
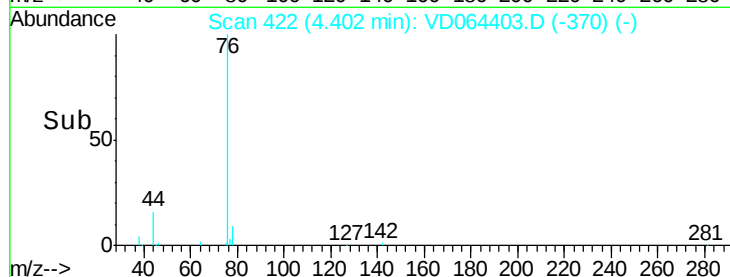
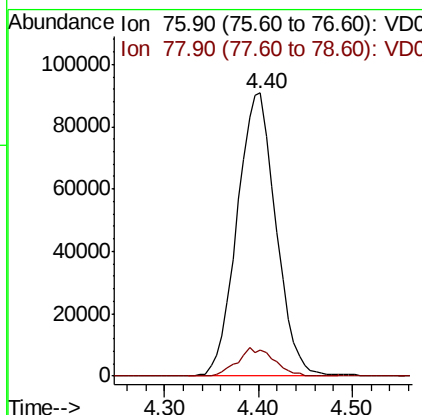
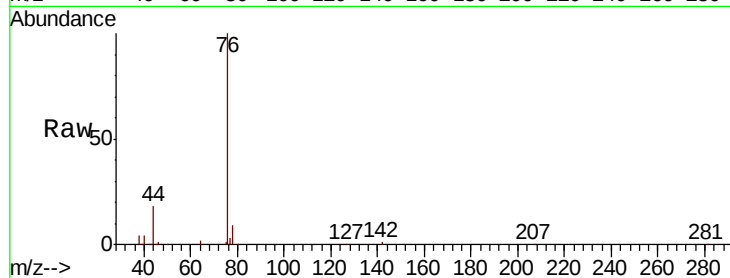
#17
Carbon Disulfide
Concen: 22.249 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.8	11.8

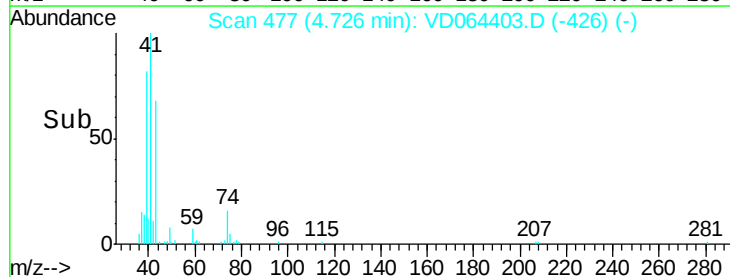
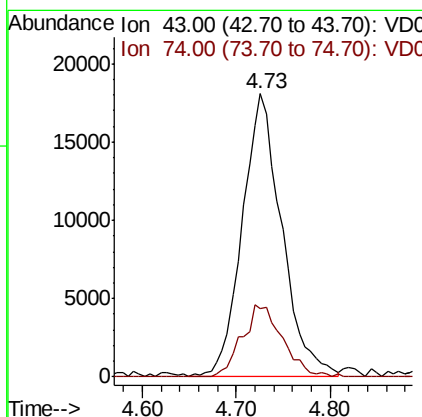
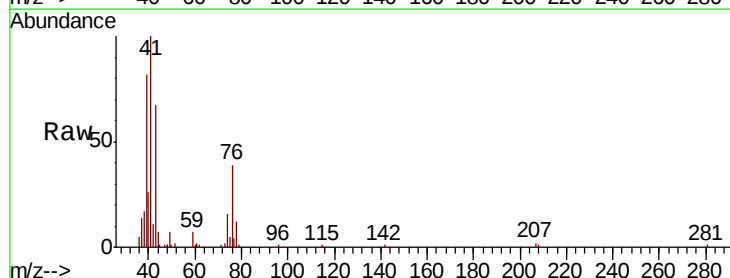
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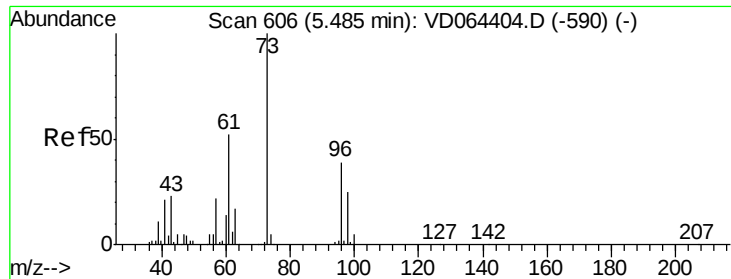
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#18
Methyl Acetate
Concen: 22.111 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	19.7	29.5





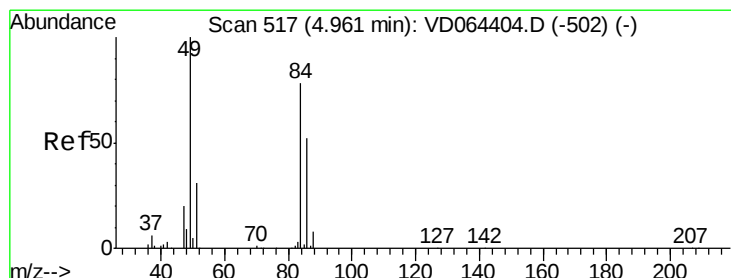
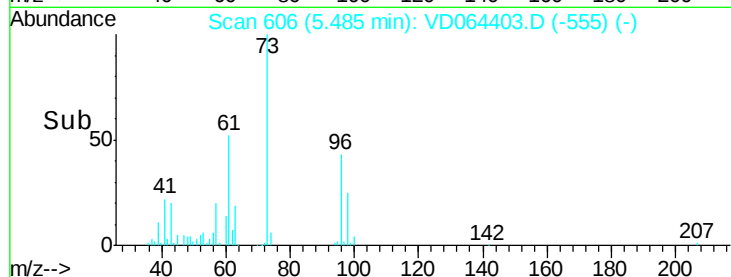
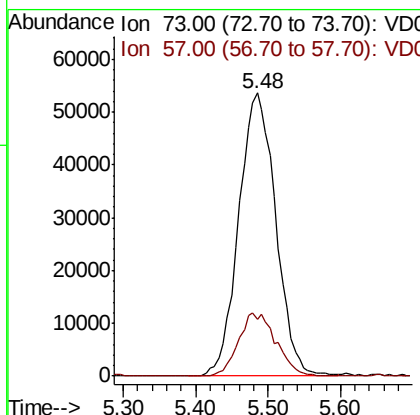
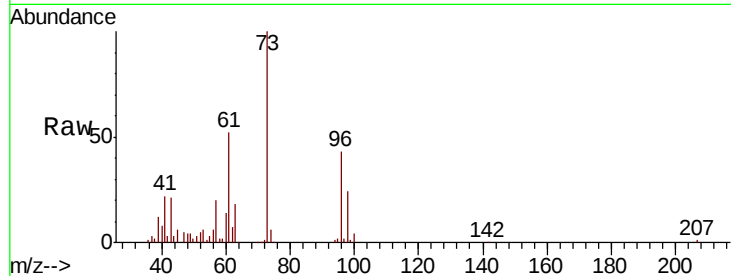
#19
Methvl tert-butvl Ether
Concen: 21.412 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 190132
Ion Ratio Lower Upper
73 100
57 20.1 17.6 26.4

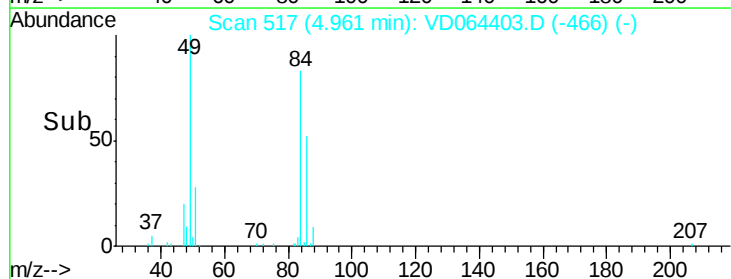
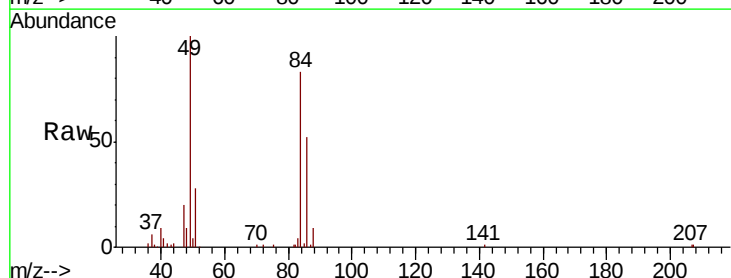
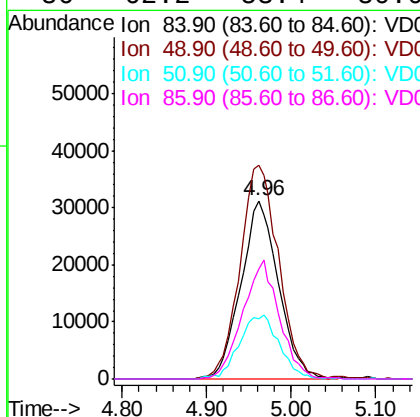
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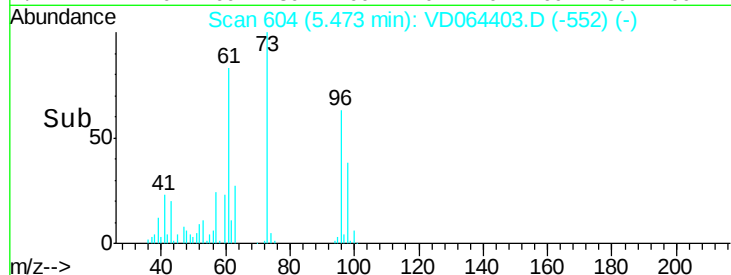
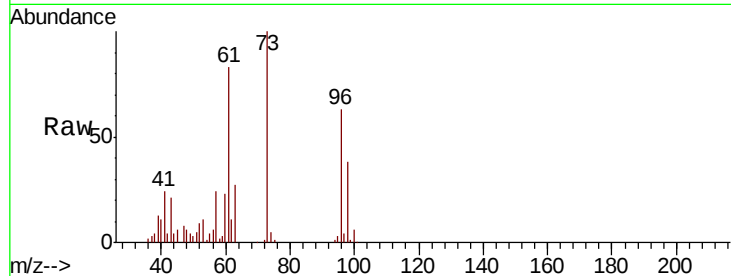
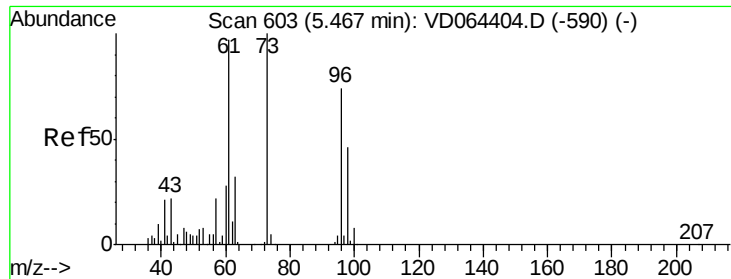
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#20
Methylene Chloride
Concen: 21.997 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion: 84 Resp: 96279
Ion Ratio Lower Upper
84 100
49 120.0 102.6 153.8
51 33.7 32.0 48.0
86 62.2 53.4 80.0





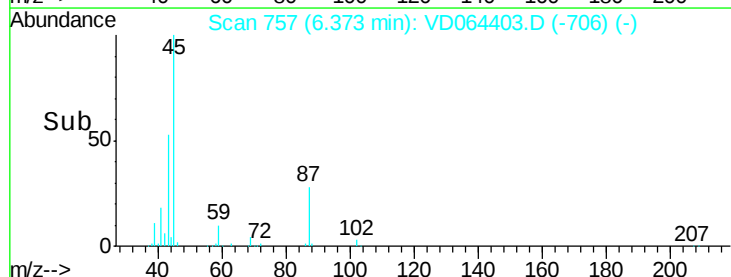
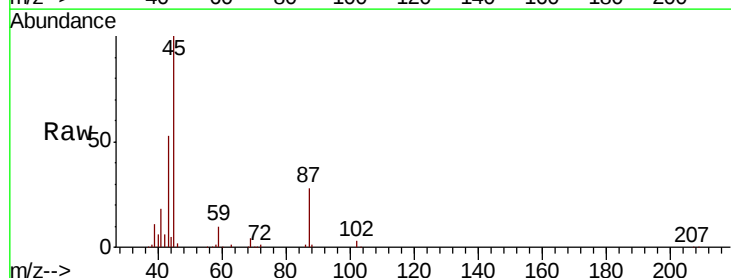
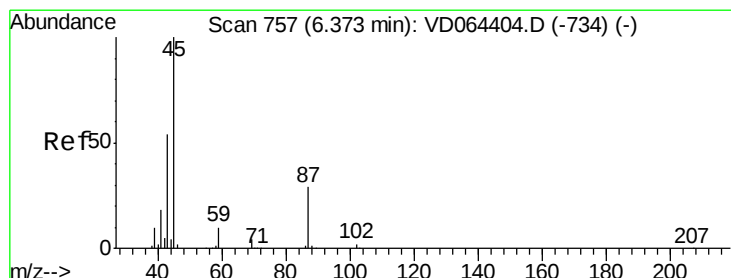
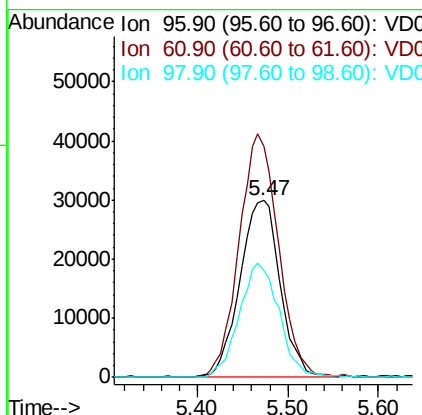
#21
trans-1,2-Dichloroethene
Concen: 21.820 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	105.8	158.6
98	60.3	50.1	75.1

Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

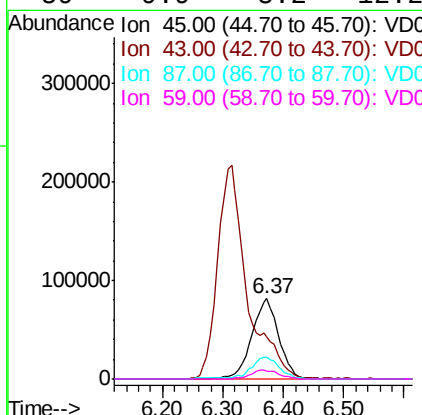
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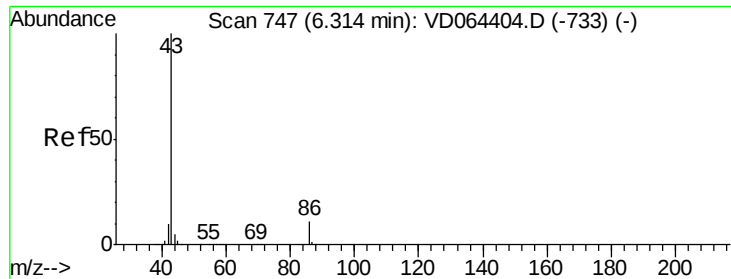
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#22
Diisopropyl ether
Concen: 20.952 ug/l
RT: 6.37 min Scan# 757
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.9	43.1	64.7
87	27.6	23.5	35.3
59	9.9	8.2	12.2





#23

Vinyl Acetate

Concen: 107.657 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 735074

Ion Ratio Lower Upper

43 100

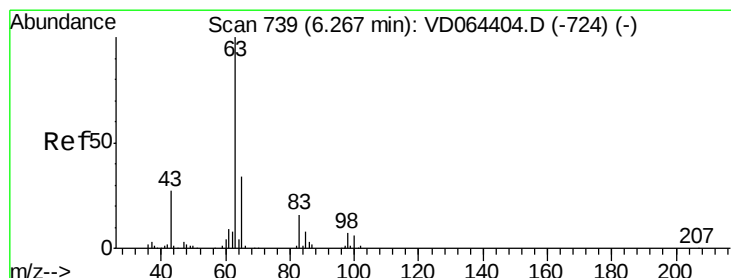
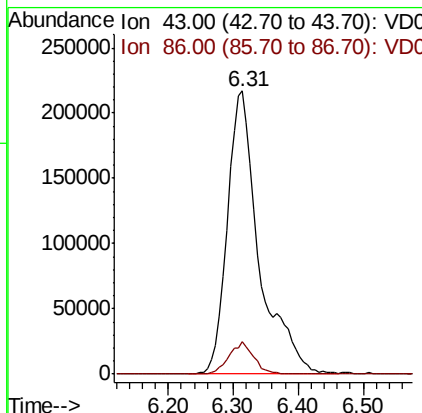
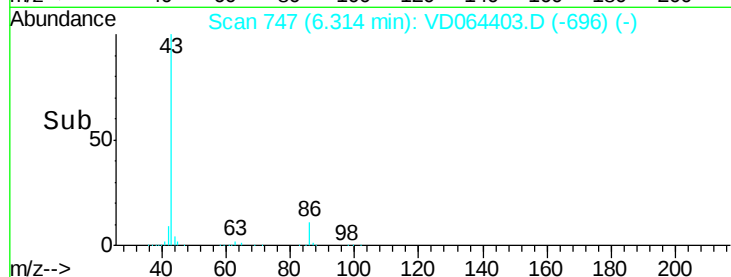
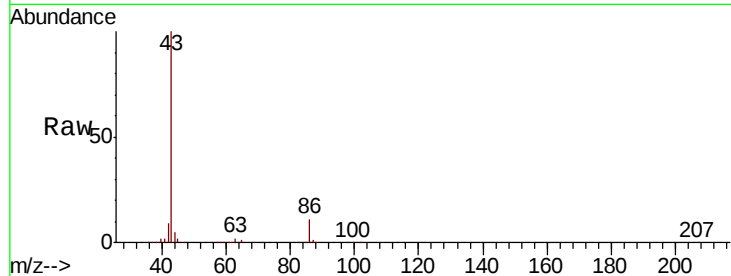
86 11.3 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 21.242 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

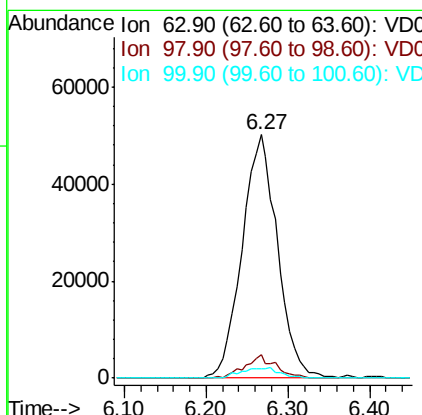
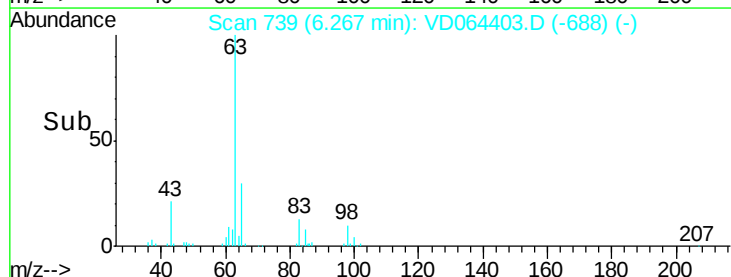
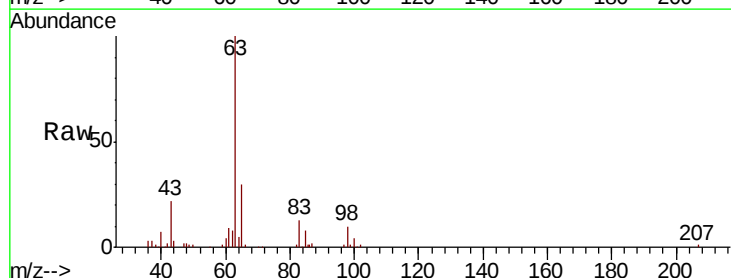
Tgt Ion: 63 Resp: 150525

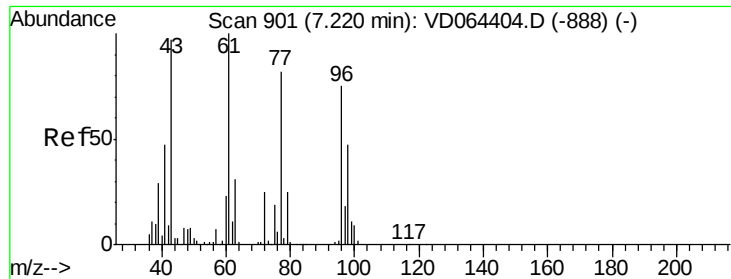
Ion Ratio Lower Upper

63 100

98 9.6 3.6 10.9

100 4.0 2.9 8.6





#25

2-Butanone

Concen: 106.615 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 118794

Ion Ratio Lower Upper

43 100

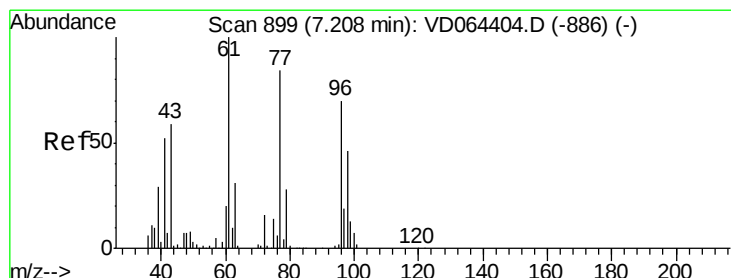
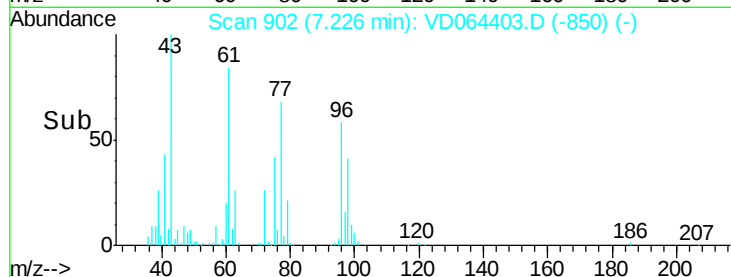
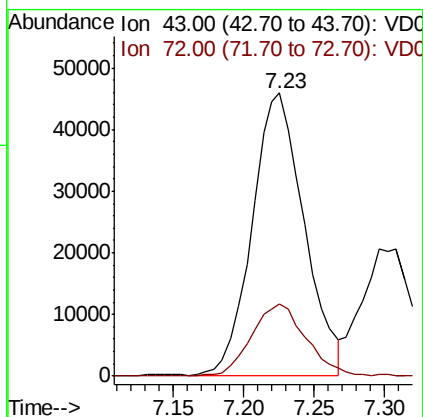
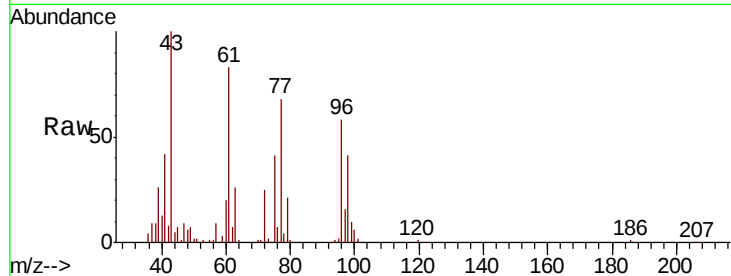
72 25.4 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 18.772 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064403.D

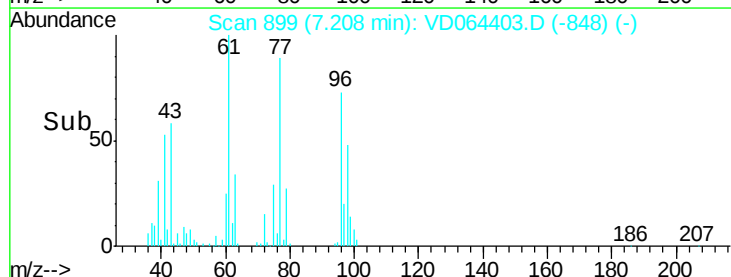
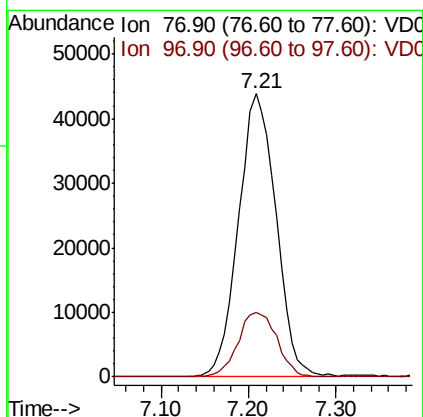
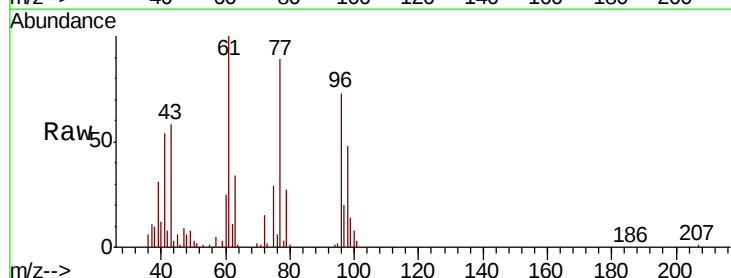
Acq: 27 Nov 2019 18:50

Tgt Ion: 77 Resp: 127944

Ion Ratio Lower Upper

77 100

97 23.7 11.6 34.7





#27

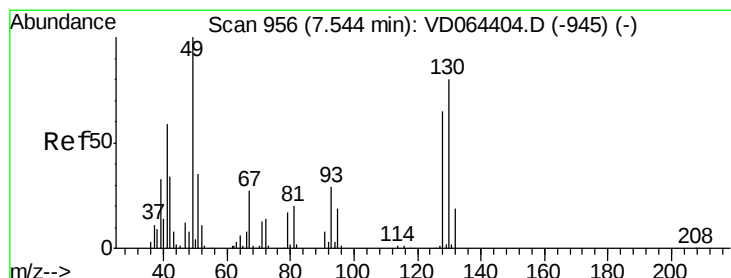
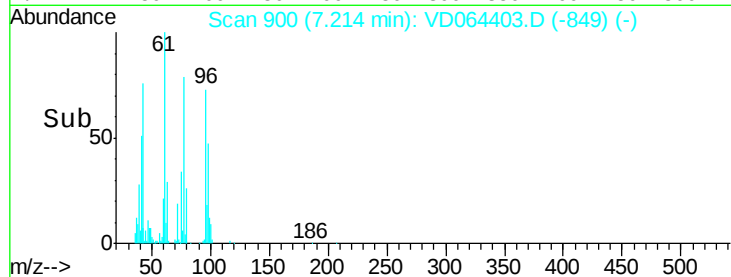
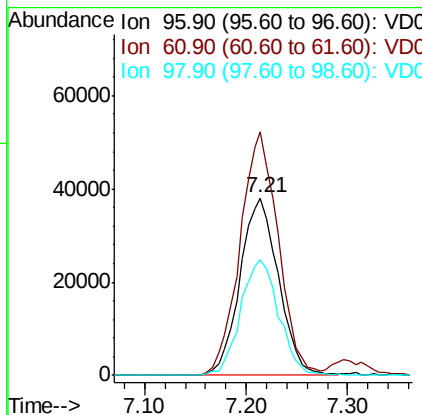
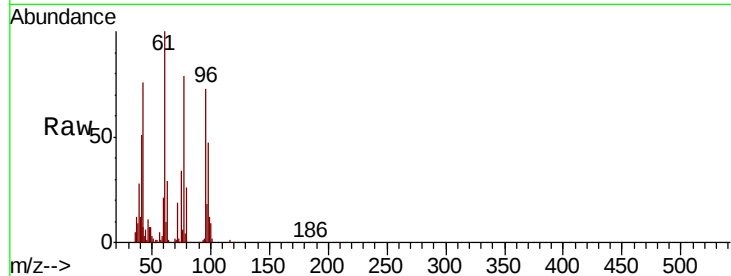
cis-1,2-Dichloroethene
Concen: 21.975 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	279.6
98	64.5	0.0	129.2

Manual Integrations
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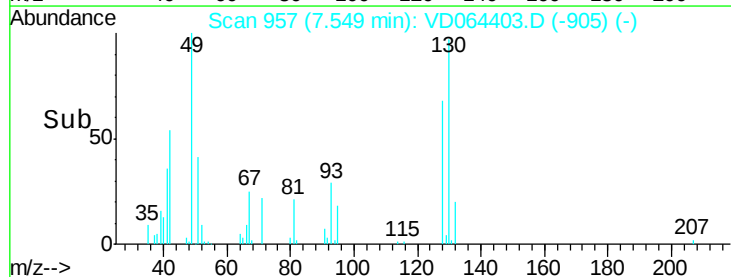
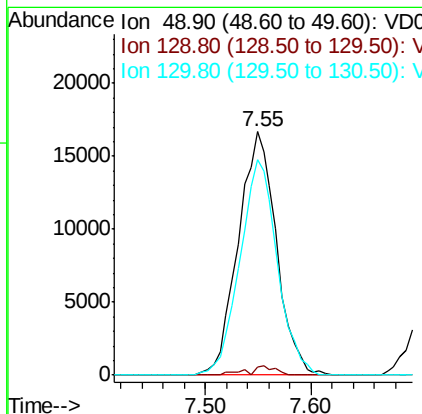
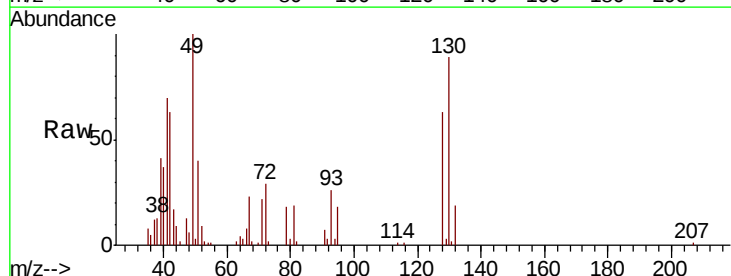
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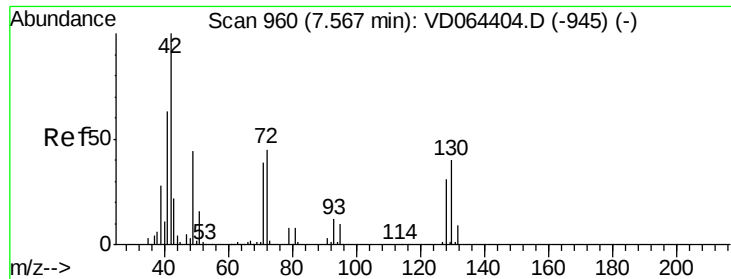


#28

Bromochloromethane
Concen: 16.917 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.4
130	87.1	67.4	101.0





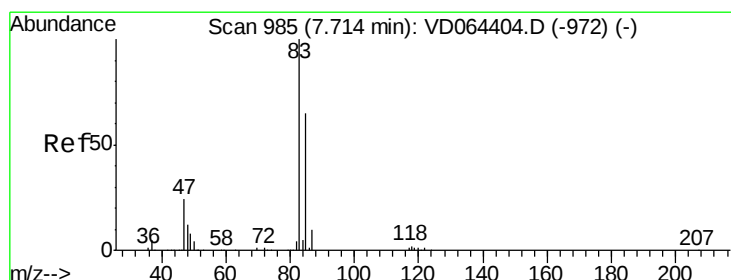
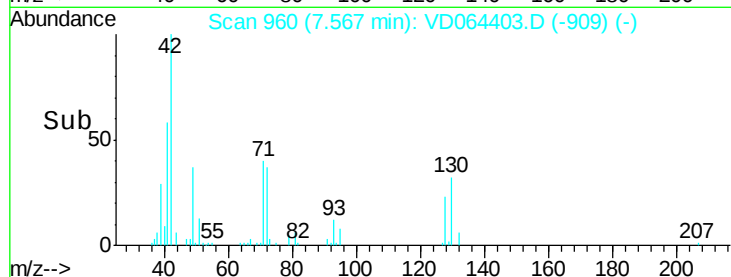
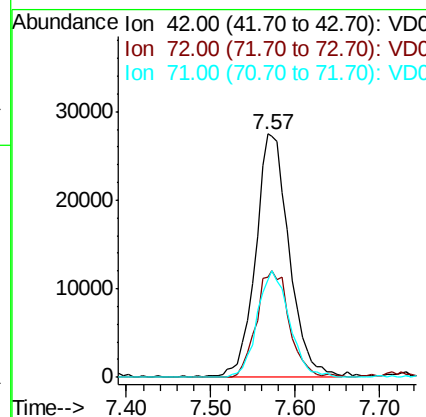
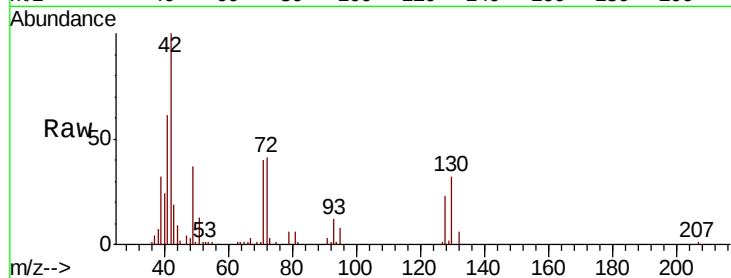
#29
Tetrahydrofuran
Concen: 113.510 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	35.8	53.8
71	41.7	32.7	49.1

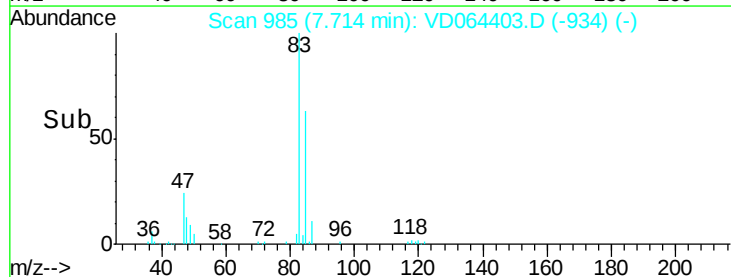
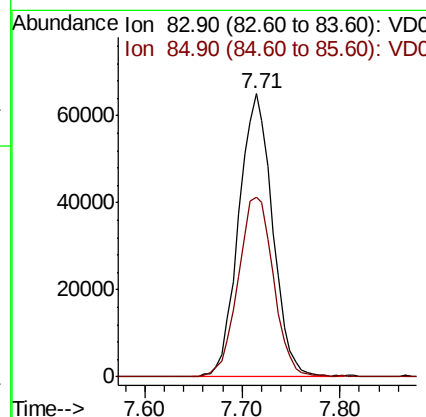
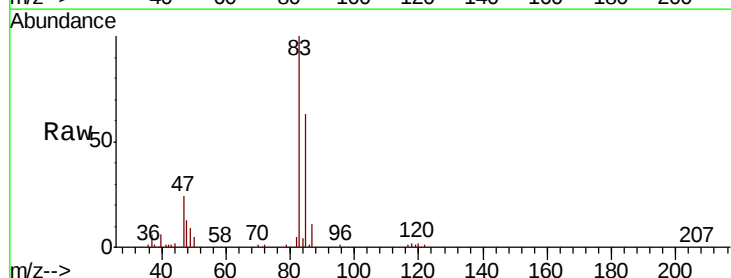
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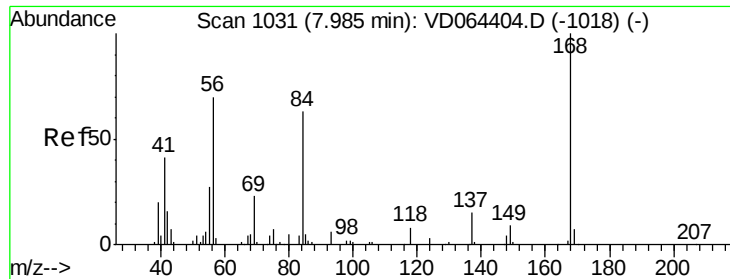
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#30
Chloroform
Concen: 21.642 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.6





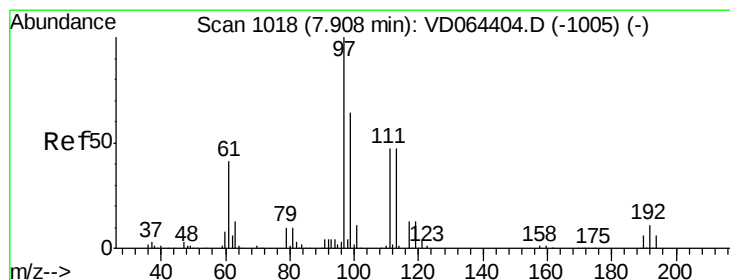
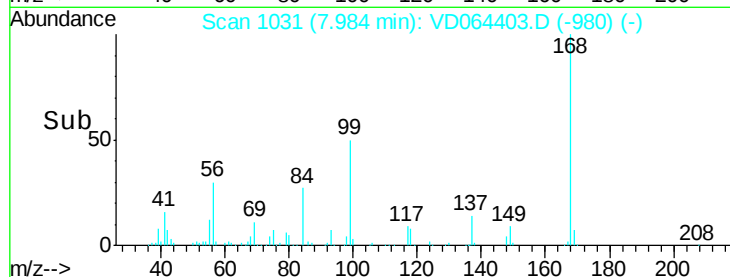
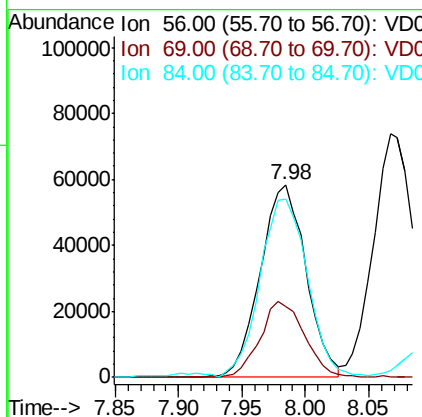
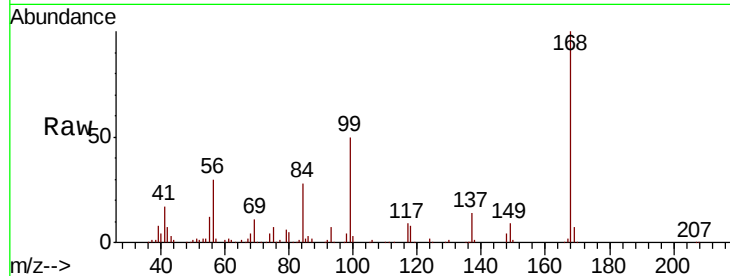
#31
Cyclohexane
Concen: 20.548 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	26.2	39.4
84	90.2	70.3	105.5

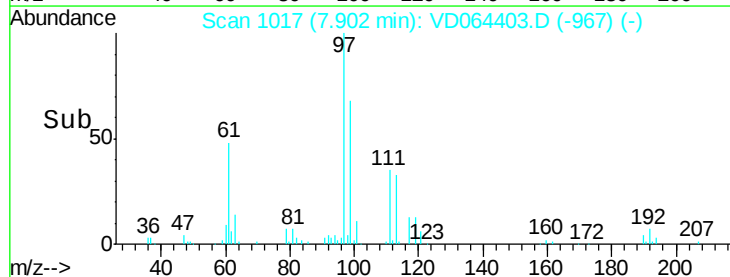
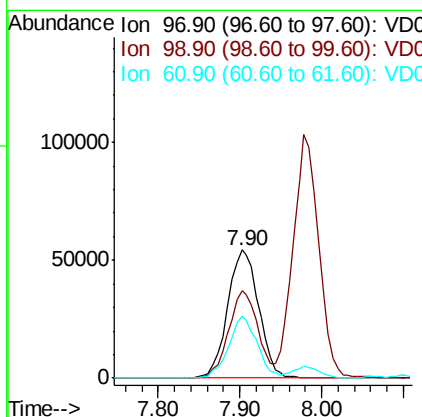
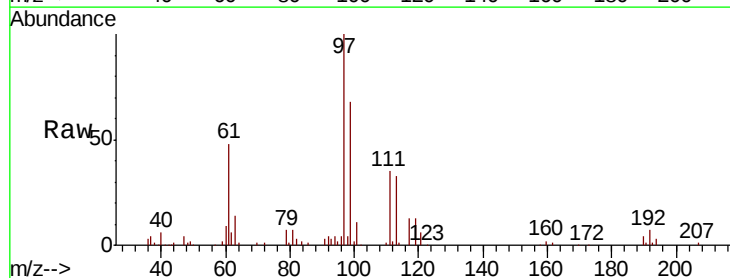
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#32
1,1,1-Trichloroethane
Concen: 20.786 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.2
61	44.1	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 21.940 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 79469

Ion Ratio Lower Upper

65 100

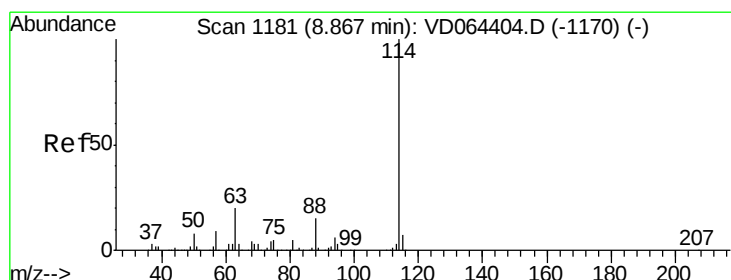
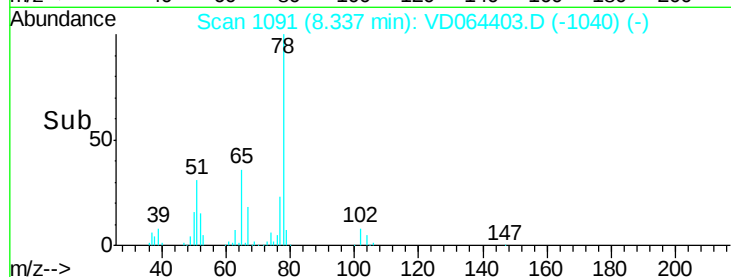
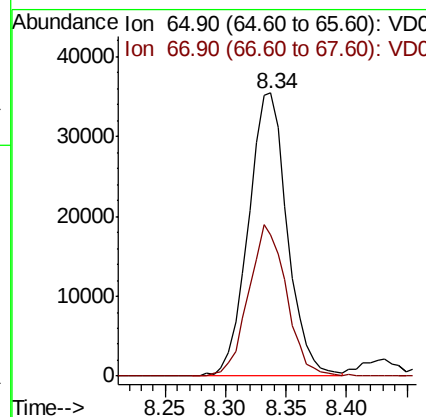
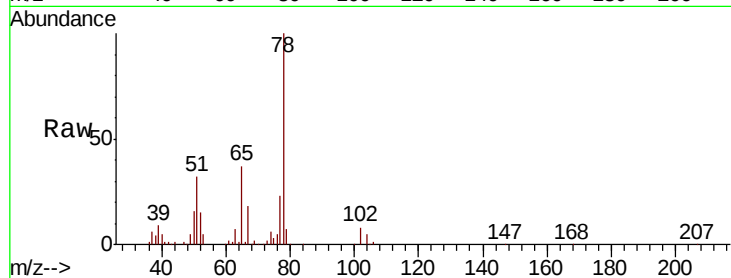
67 52.1 0.0 102.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

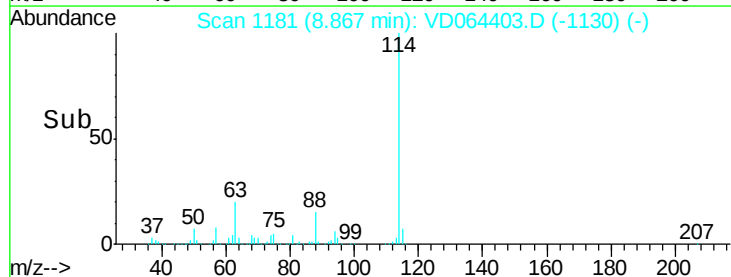
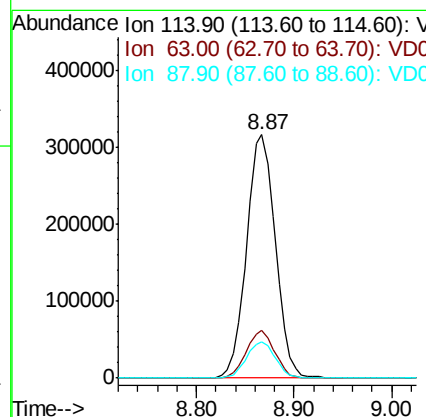
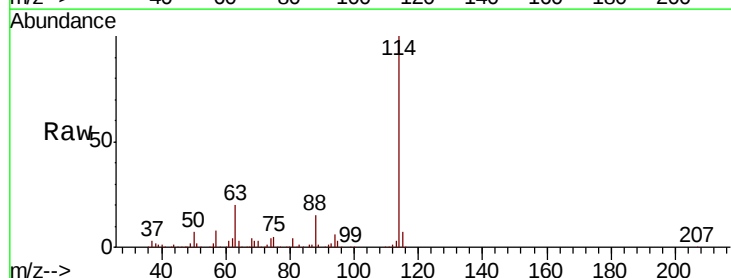
Tgt Ion: 114 Resp: 648957

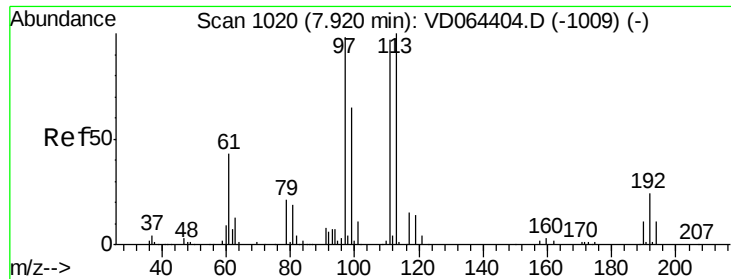
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 15.0 0.0 29.2





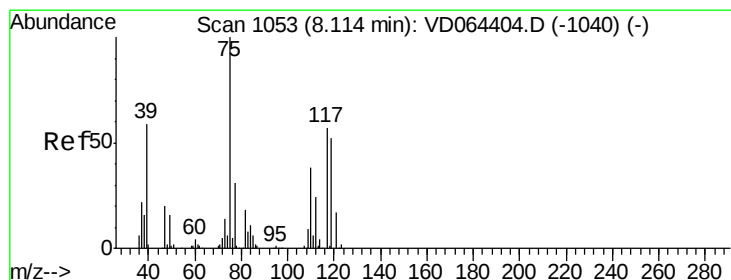
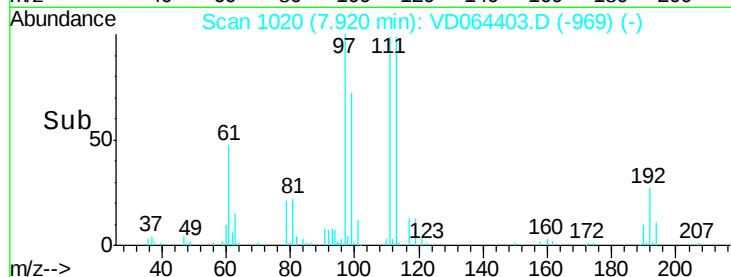
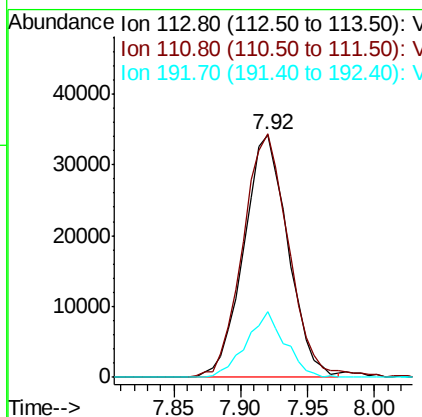
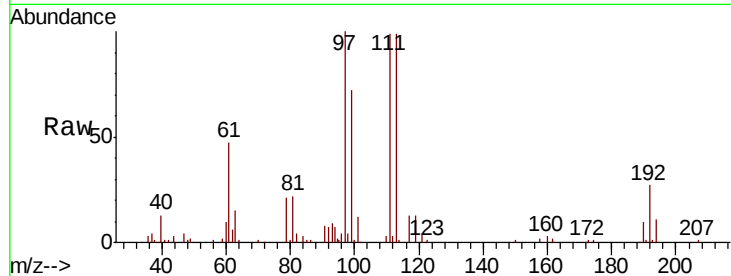
#35
 Dibromofluoromethane
 Concen: 21.068 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064403.D
 Acq: 27 Nov 2019 18:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	79.4	119.2
192	23.8	18.6	28.0

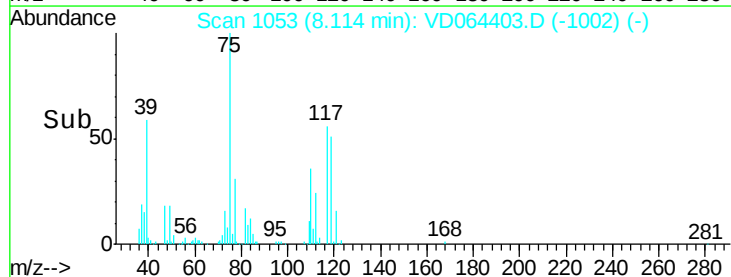
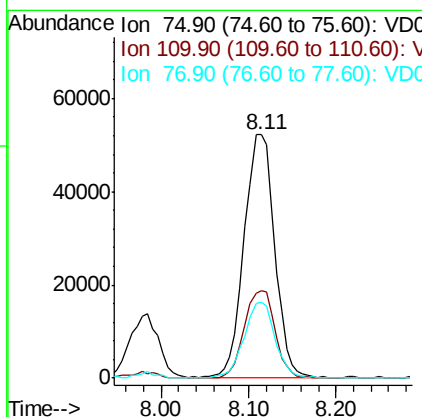
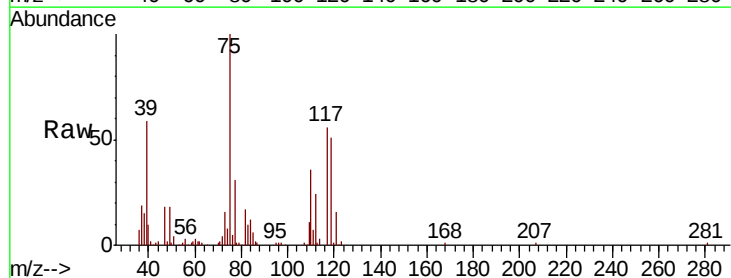
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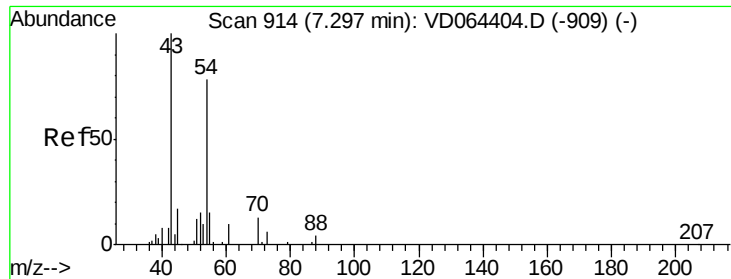
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#36
 1,1-Dichloropropene
 Concen: 20.914 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064403.D
 Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.6	55.8
77	31.4	25.0	37.4





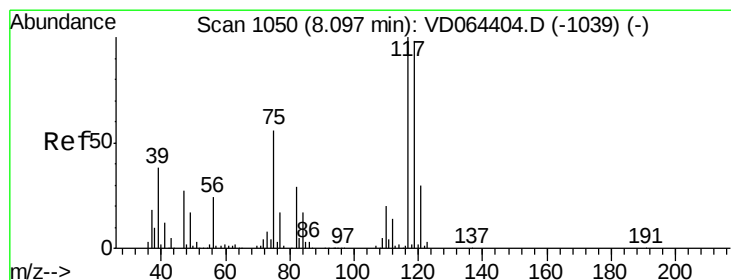
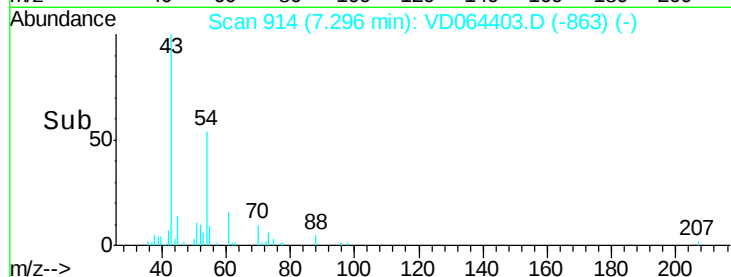
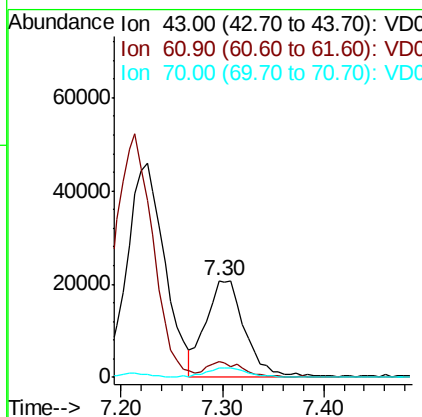
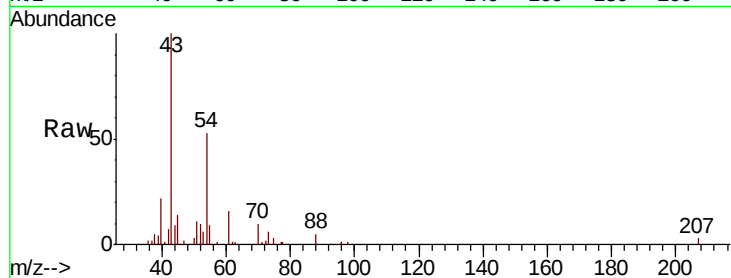
#37
Ethyl Acetate
Concen: 21.749 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	43	61	70
Resp	55058		
Ratio	100	15.0	11.0
Lower		10.9	8.3
Upper		16.3	12.5

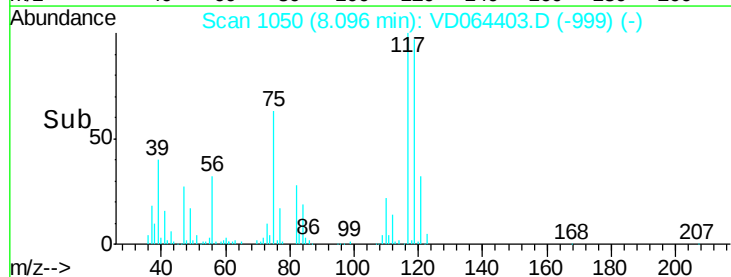
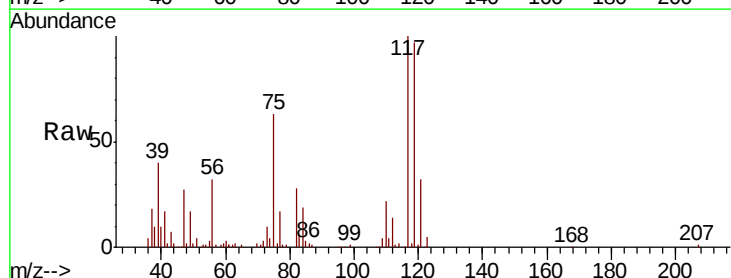
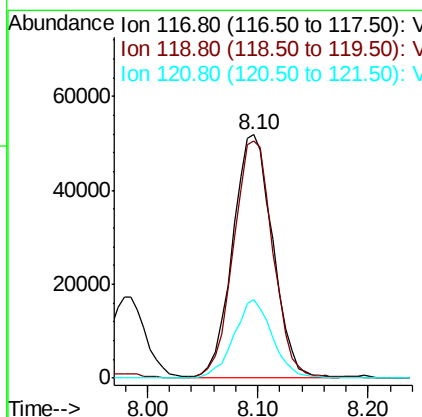
Manual Integrations
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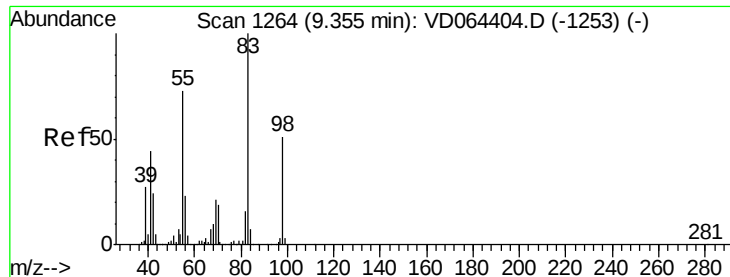
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#38
Carbon Tetrachloride
Concen: 20.515 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	117	119	121
Resp	131028		
Ratio	100	97.2	32.5
Lower		78.8	24.2
Upper		118.2	36.2





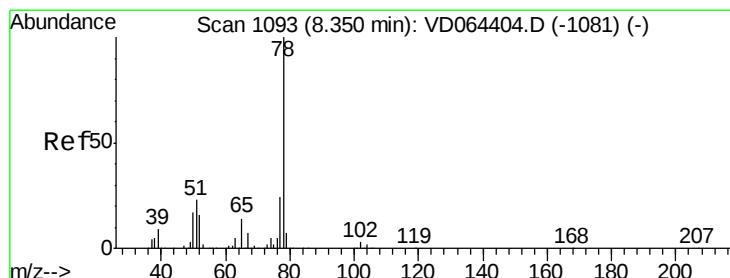
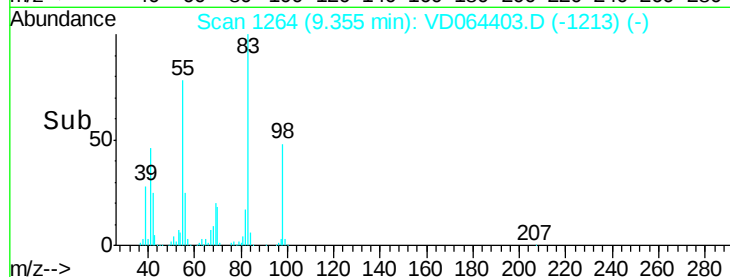
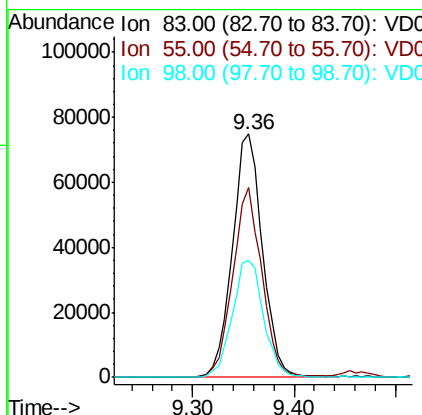
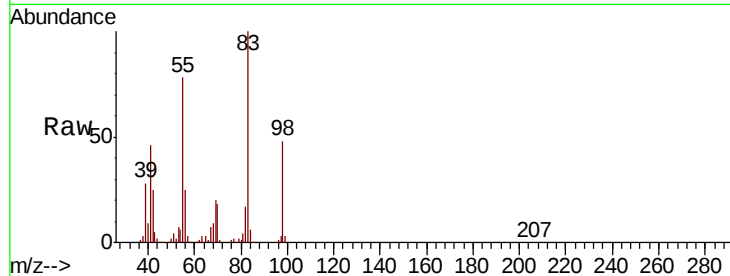
#39
Methvlcvclohexane
Concen: 20.388 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	58.6	87.8
98	47.8	40.9	61.3

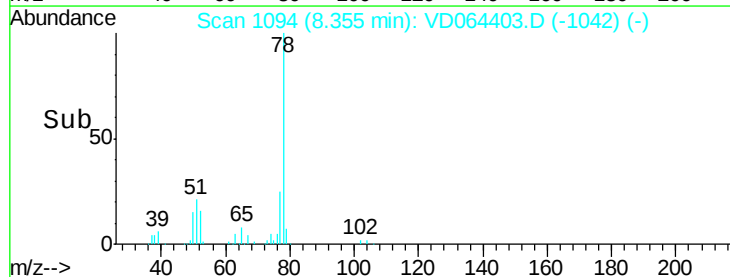
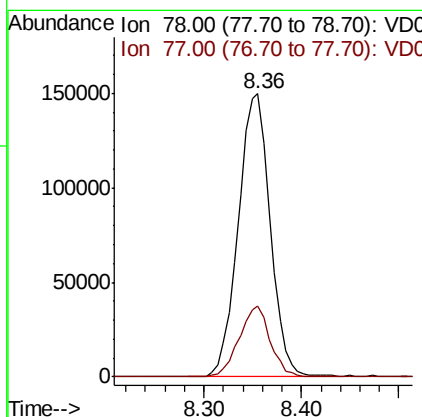
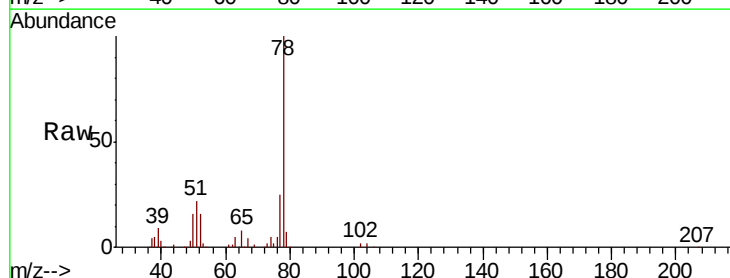
Manual Integrations
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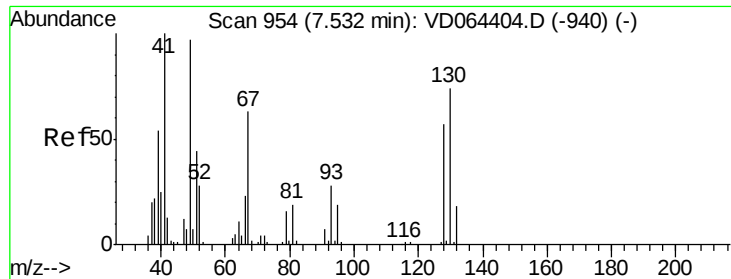
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#40
Benzene
Concen: 20.936 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.6	29.4





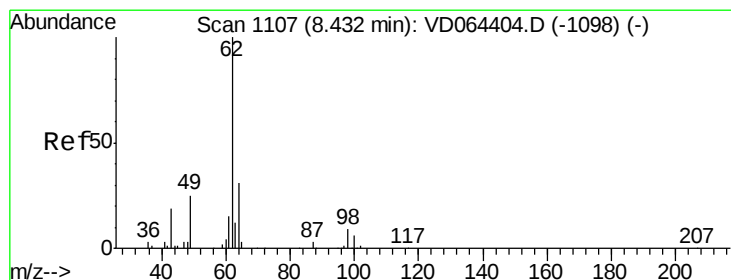
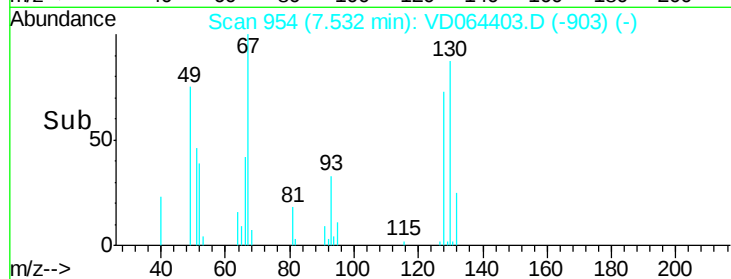
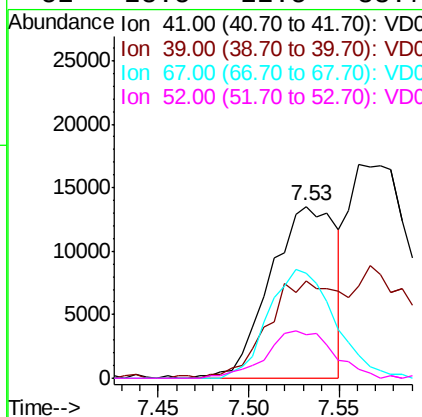
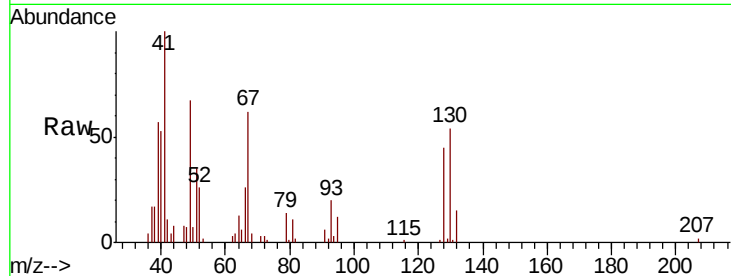
#41
Methacrylonitrile
Concen: 21.596 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.3	44.6	67.0	
67	64.1	50.9	76.3	
52	28.5	22.5	33.7	

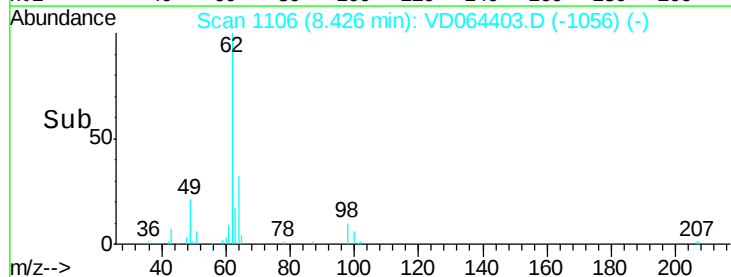
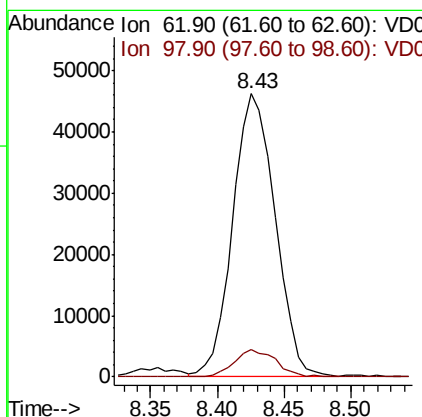
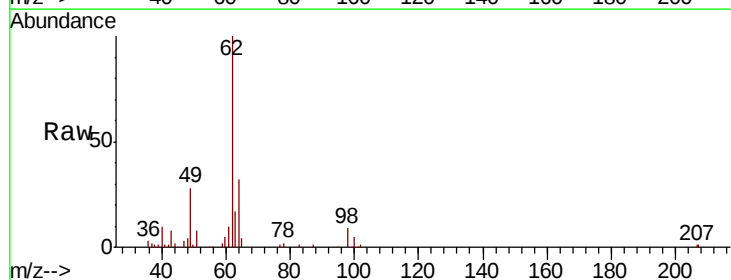
Manual Integrations
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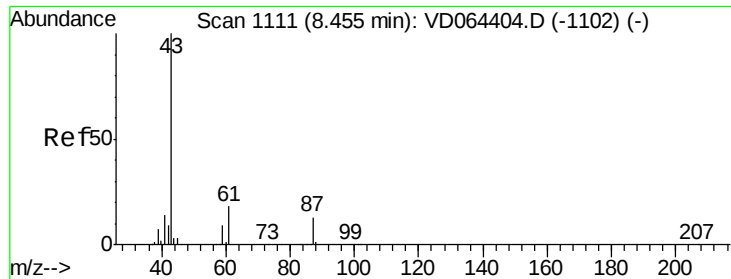
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#42
1,2-Dichloroethane
Concen: 20.729 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	20.6	





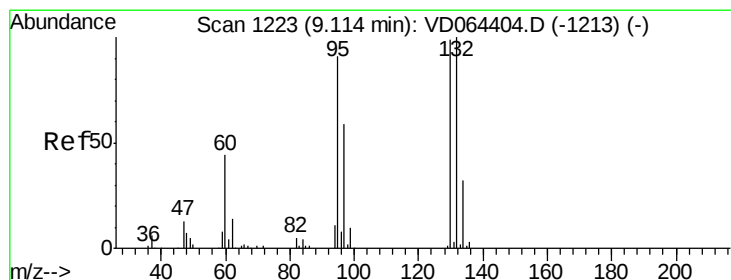
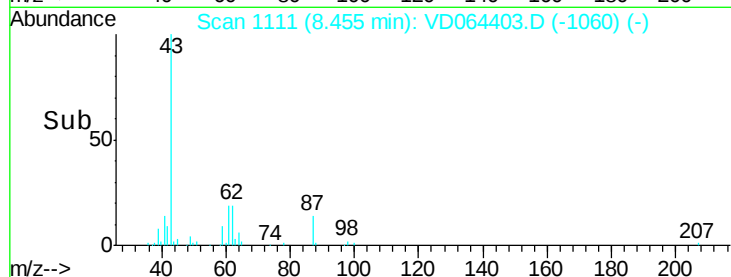
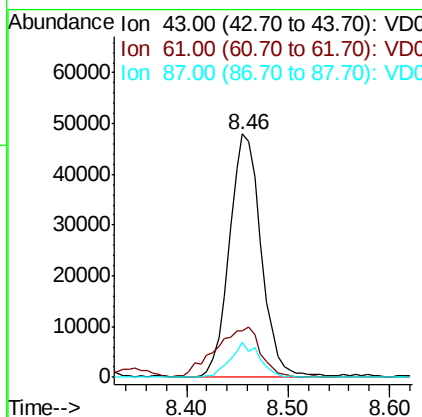
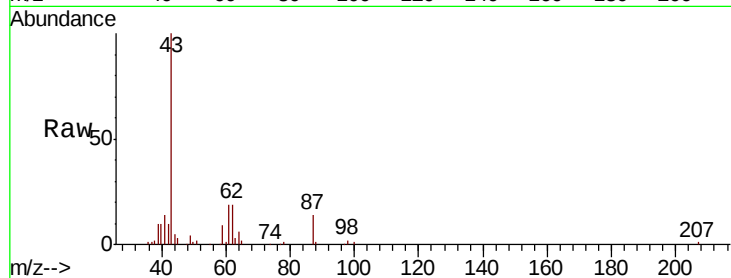
#43
Isopropyl Acetate
Concen: 20.195 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	24.0	36.0
87	13.4	10.6	15.8

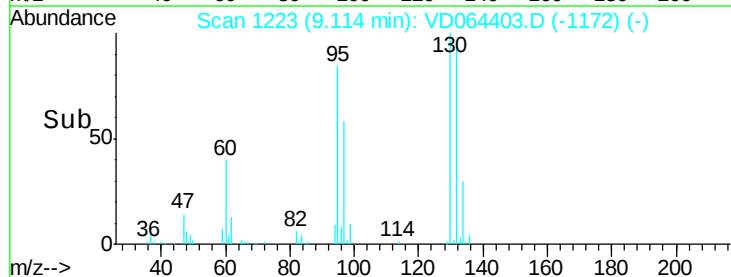
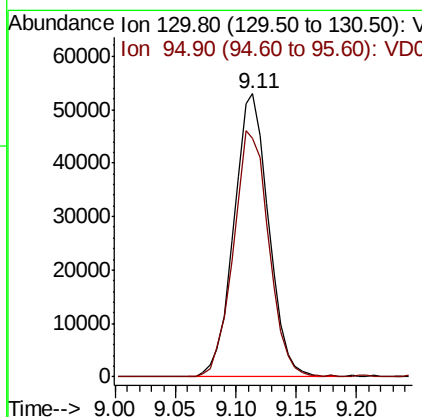
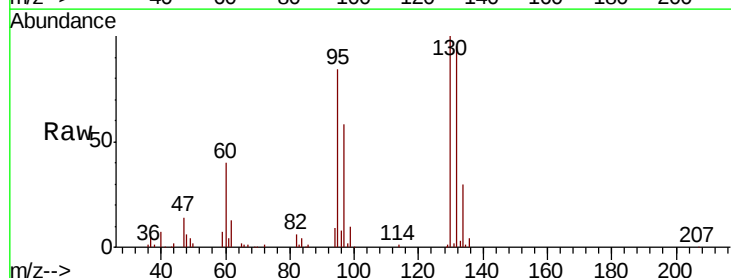
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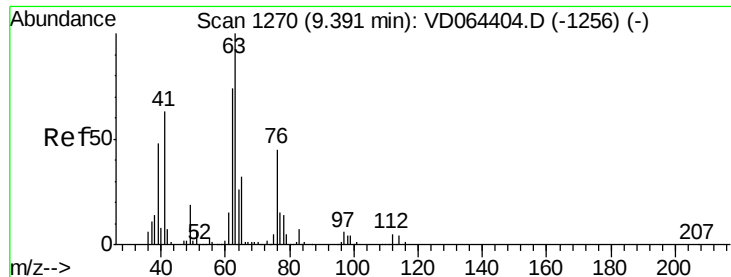
apatel
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#44
Trichloroethene
Concen: 21.719 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.3	0.0	184.6





#45

1,2-Dichloropropane

Concen: 21.009 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 83896

Ion Ratio Lower Upper

63 100

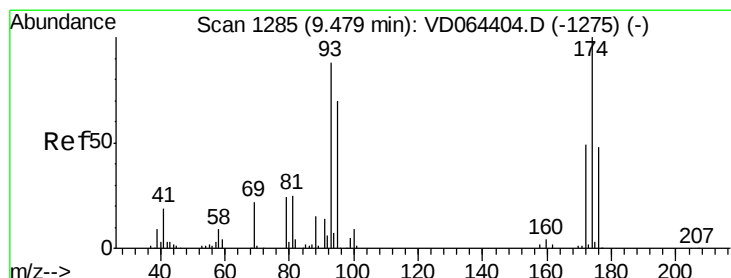
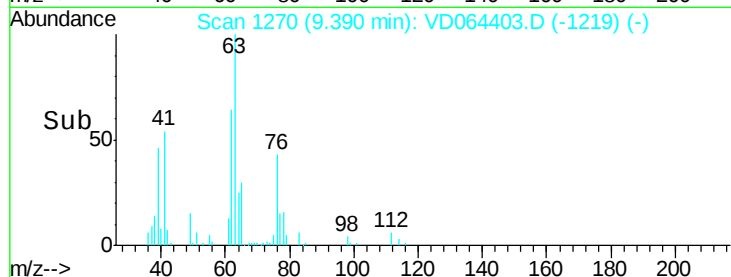
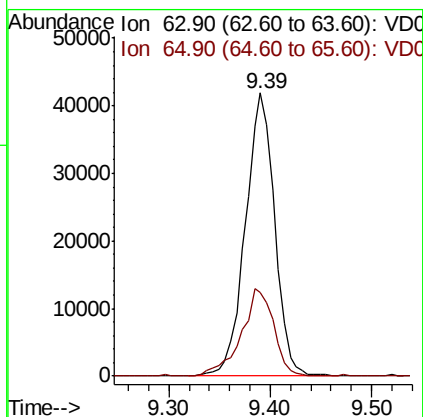
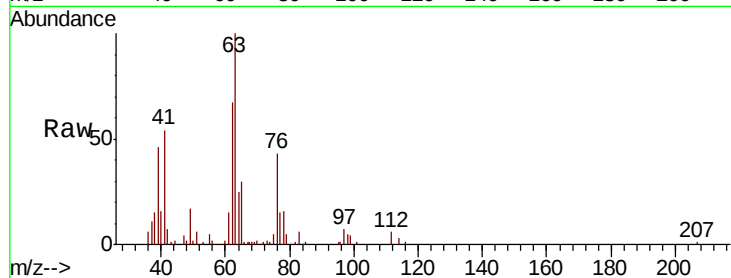
65 29.6 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 22.367 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

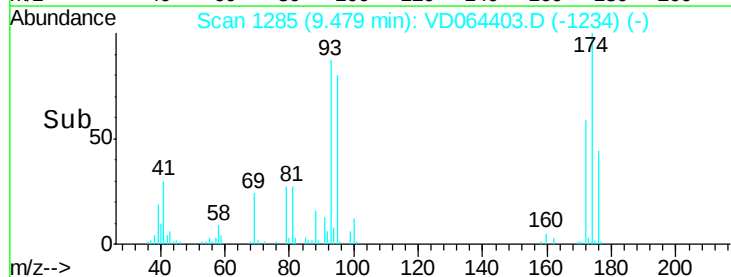
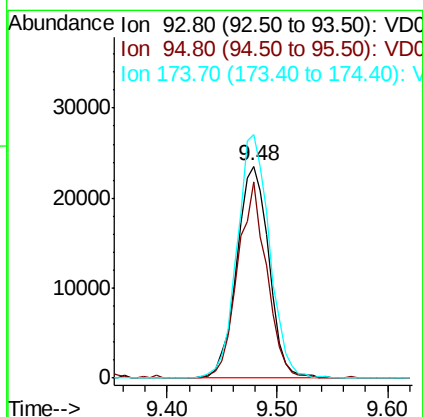
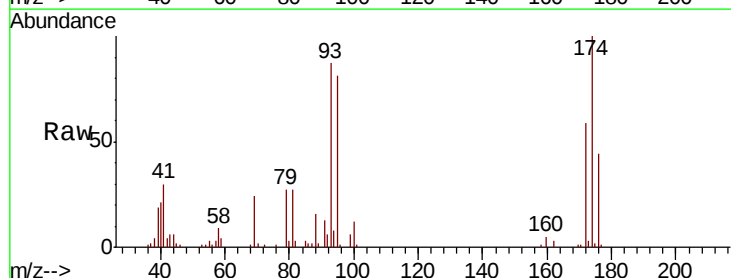
Tgt Ion: 93 Resp: 48171

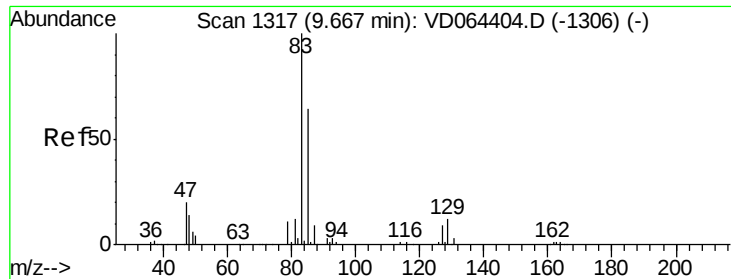
Ion Ratio Lower Upper

93 100

95 84.0 66.7 100.1

174 115.9 92.3 138.5





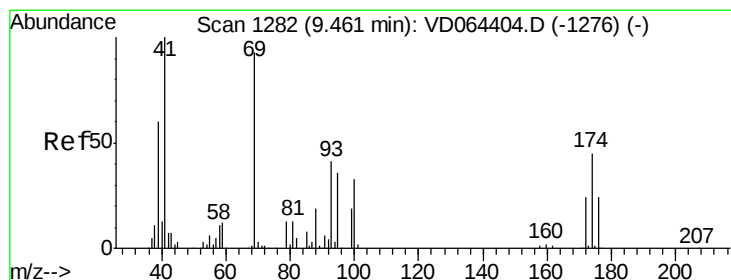
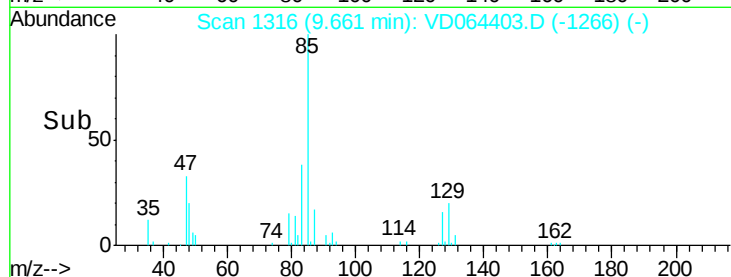
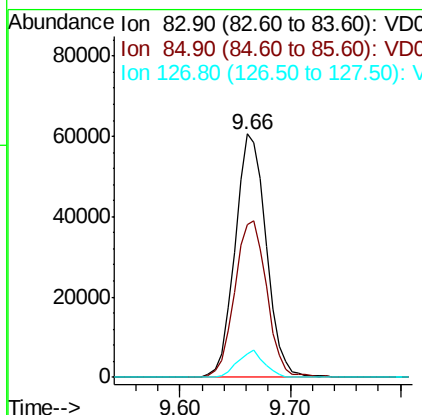
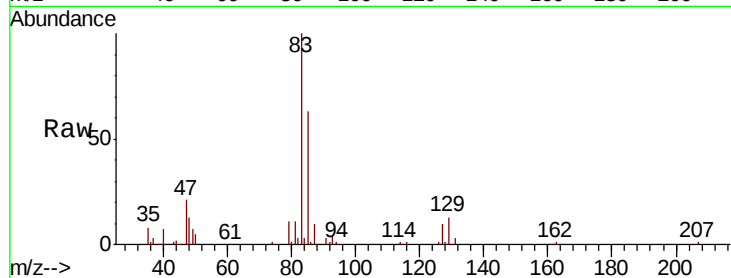
#47
Bromodichloromethane
Concen: 20.816 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	9.7	7.4	11.0

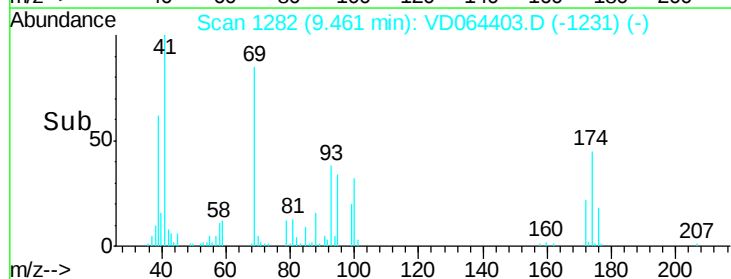
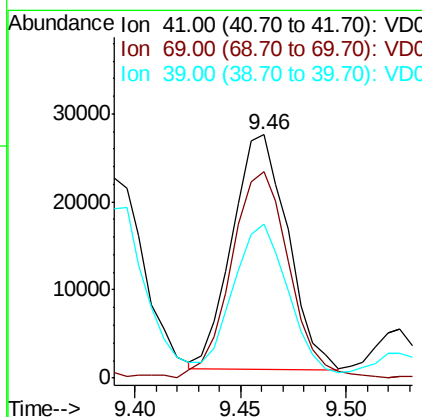
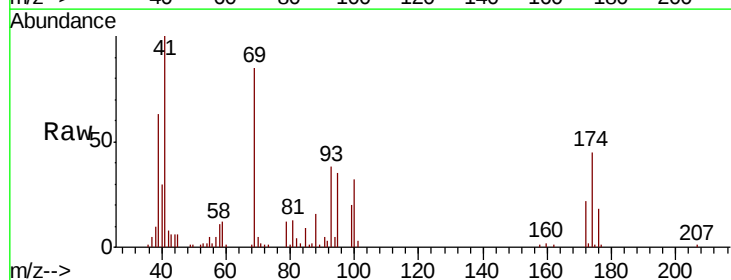
Manual Integrations
APPROVED

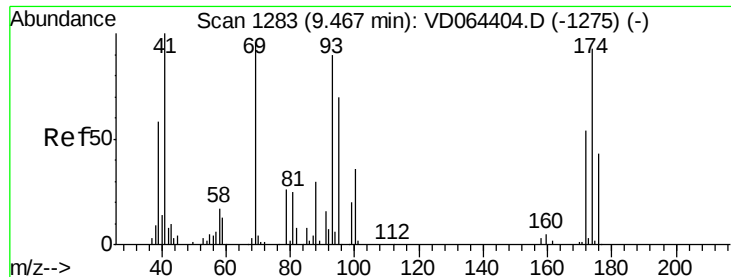
apatel
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#48
Methyl methacrylate
Concen: 19.399 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.6	72.0	108.0
39	61.3	55.2	82.8





#49

1,4-Dioxane

Concen: 481.029 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 88 Resp: 12459

Ion Ratio Lower Upper

88 100

43 40.6 26.7 40.1#

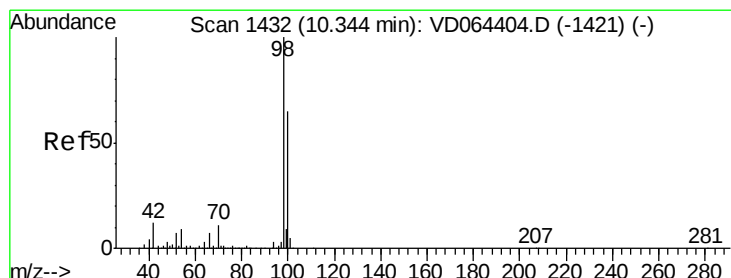
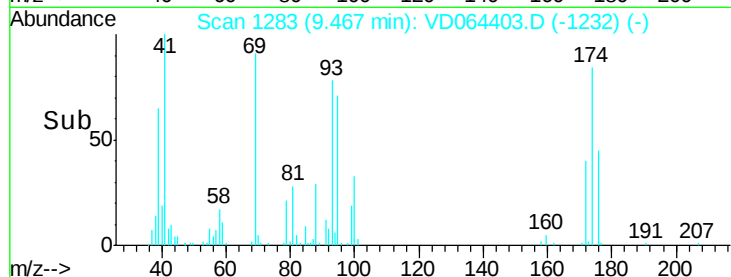
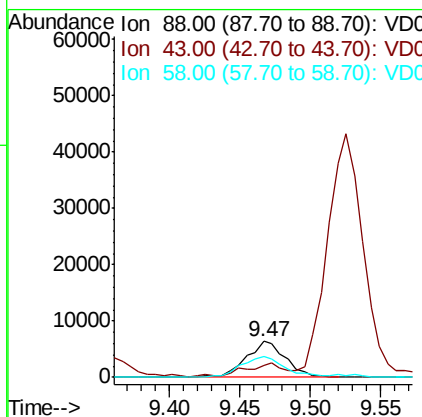
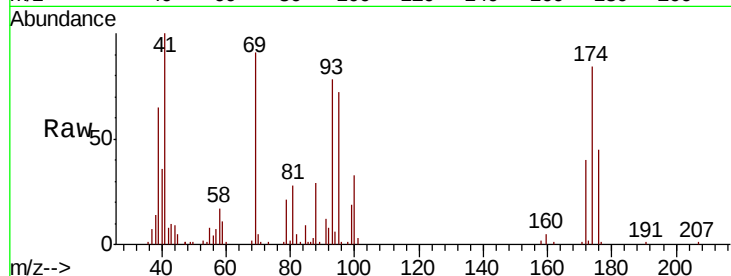
58 64.8 52.3 78.5

Manual Integrations

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#50

Toluene-d8

Concen: 21.734 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064403.D

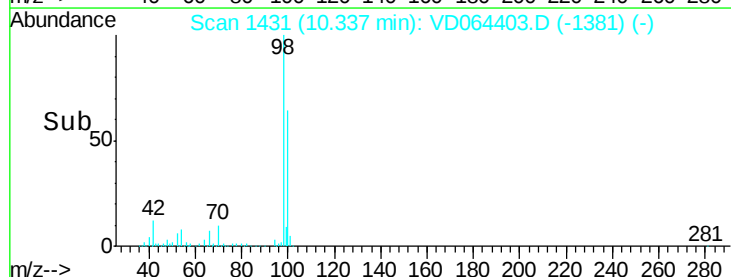
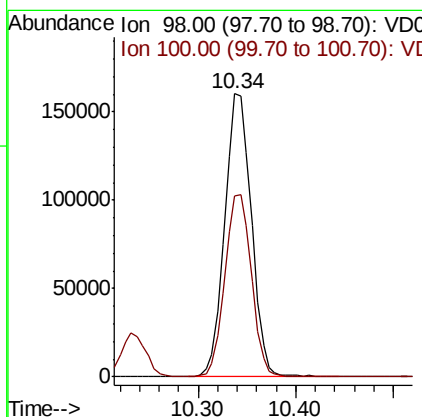
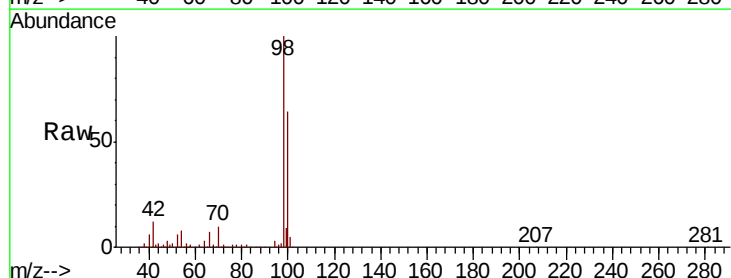
Acq: 27 Nov 2019 18:50

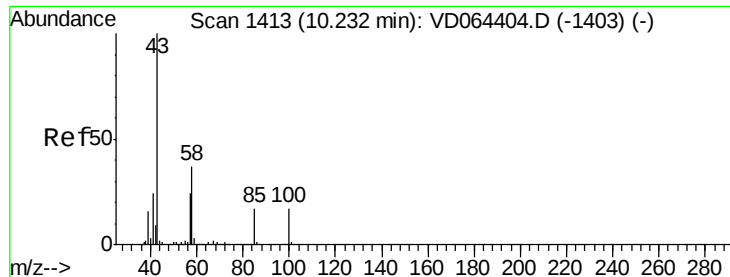
Tgt Ion: 98 Resp: 303690

Ion Ratio Lower Upper

98 100

100 63.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 104.388 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 260519

Ion Ratio Lower Upper

43 100

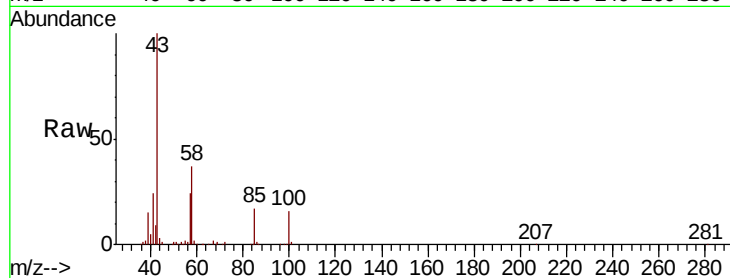
58 38.5 30.6 46.0

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

150000

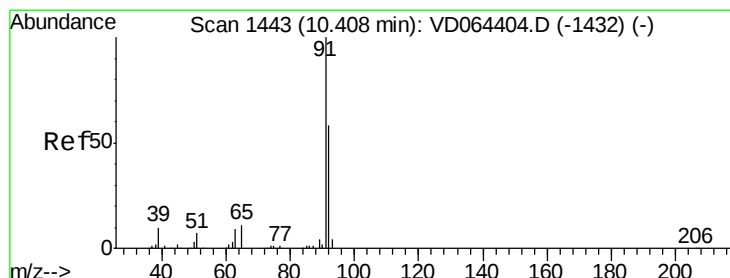
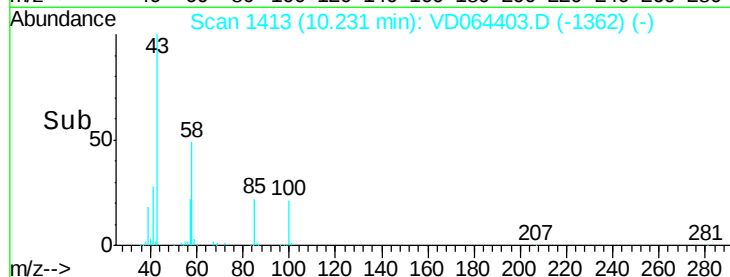
10.23

100000

50000

0

Time-->



#52

Toluene

Concen: 21.020 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064403.D

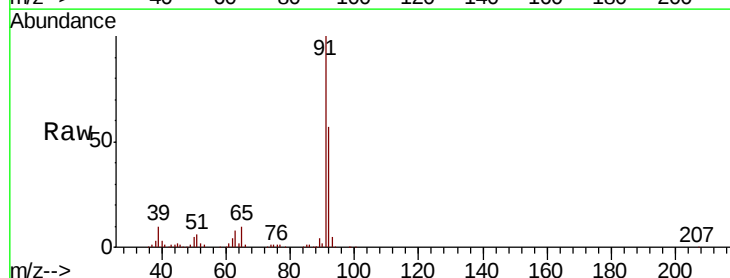
Acq: 27 Nov 2019 18:50

Tgt Ion: 92 Resp: 225781

Ion Ratio Lower Upper

92 100

91 172.8 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

10.40

200000

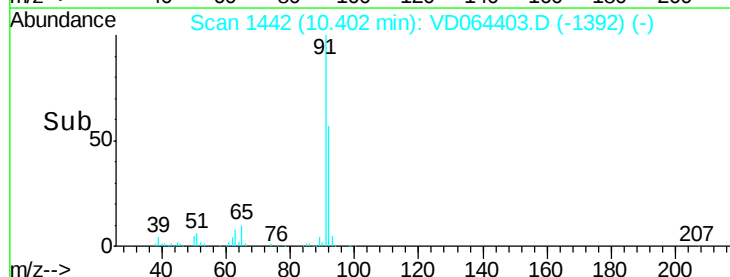
150000

100000

50000

0

Time-->





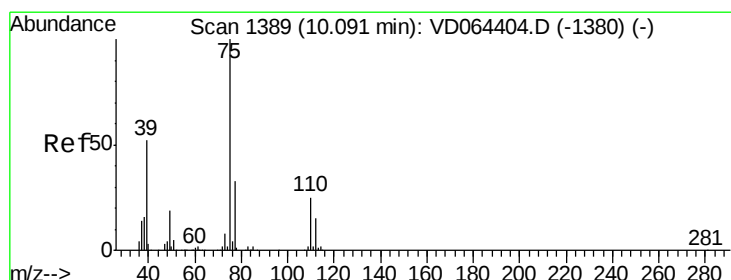
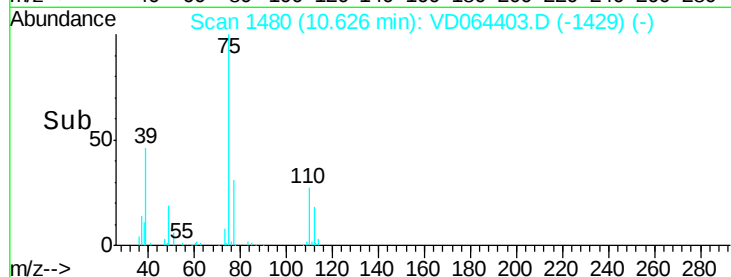
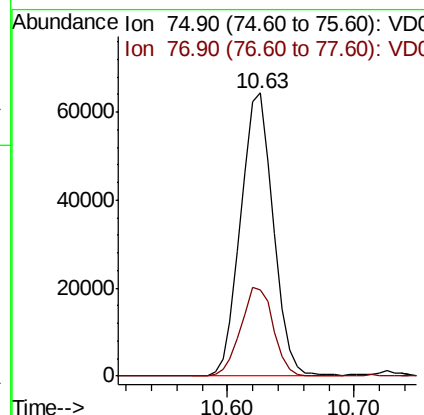
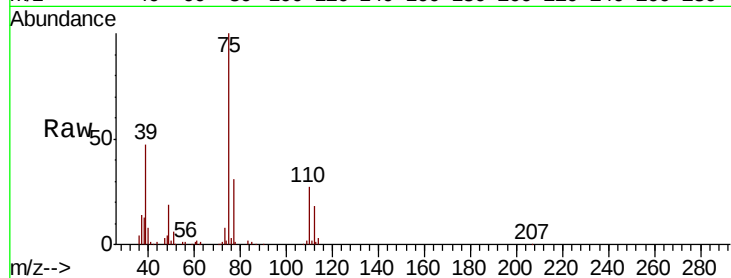
#53
t-1,3-Dichloropropene
Concen: 20.056 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.0	37.4

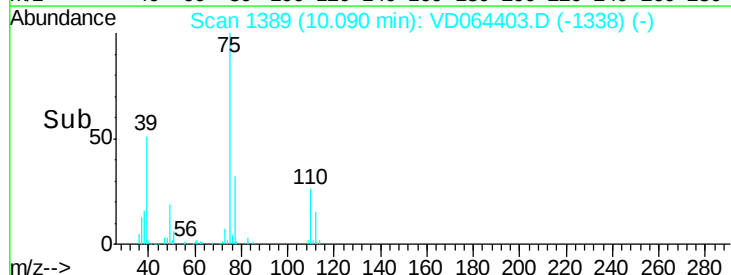
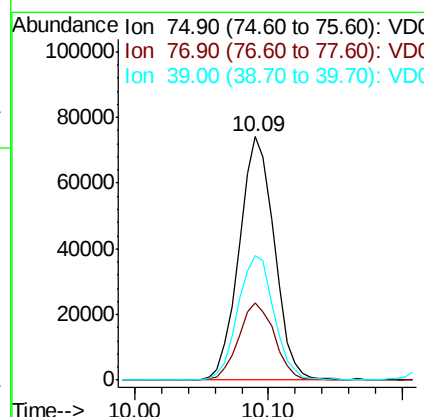
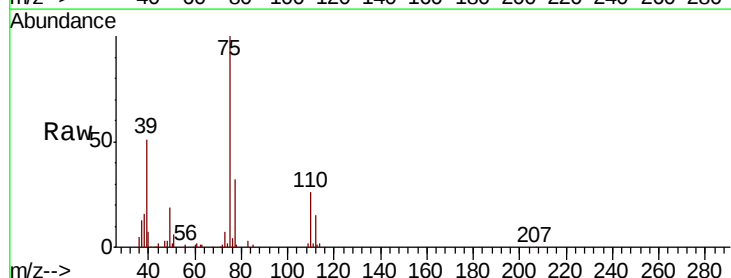
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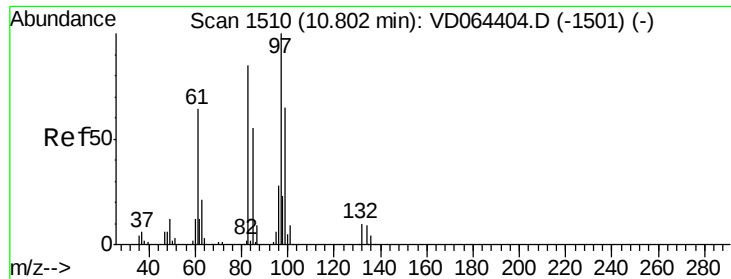
apatel
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#54
cis-1,3-Dichloropropene
Concen: 20.189 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.1	39.1
39	51.2	41.5	62.3





#55

1,1,2-Trichloroethane

Concen: 22.005 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

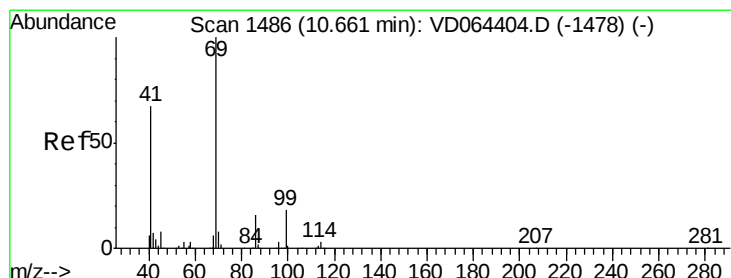
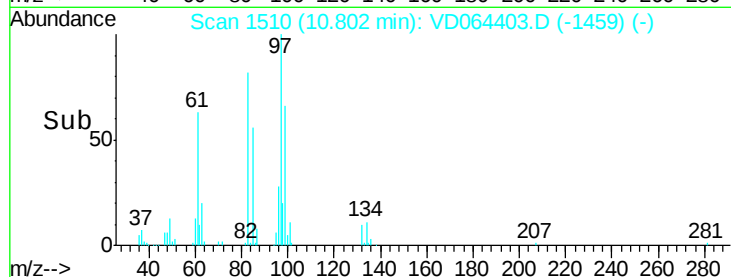
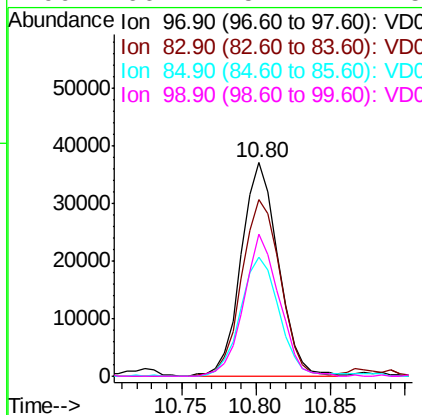
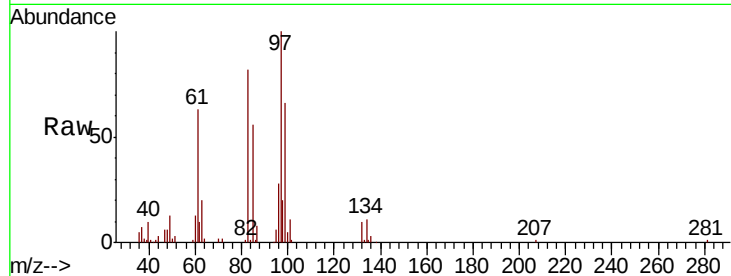
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	64157
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.8	101.8
85	55.5	43.7	65.5
99	66.4	51.7	77.5

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#56

Ethyl methacrylate

Concen: 20.268 ug/l

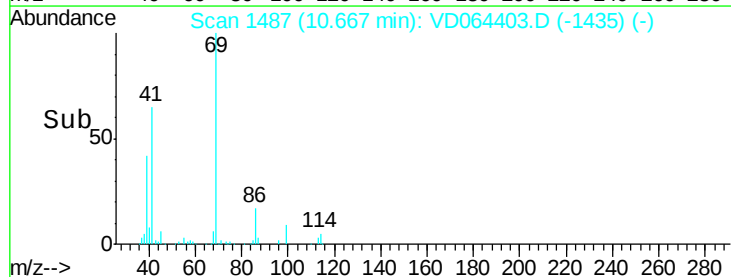
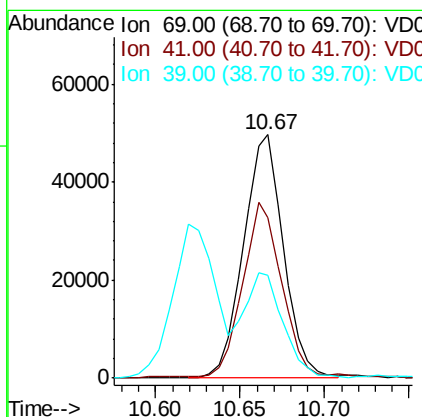
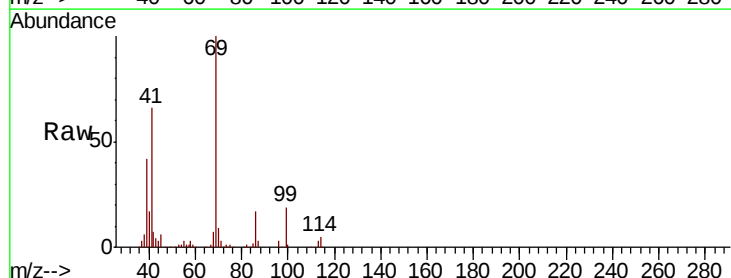
RT: 10.67 min Scan# 1487

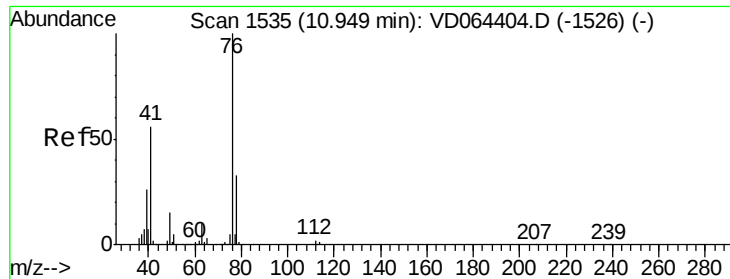
Delta R.T. 0.01 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Tgt Ion:	69	Resp:	81834
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.0	82.4
39	43.3	33.0	49.6





#57

1,3-Dichloropropane

Concen: 21.828 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 110704

Ion Ratio Lower Upper

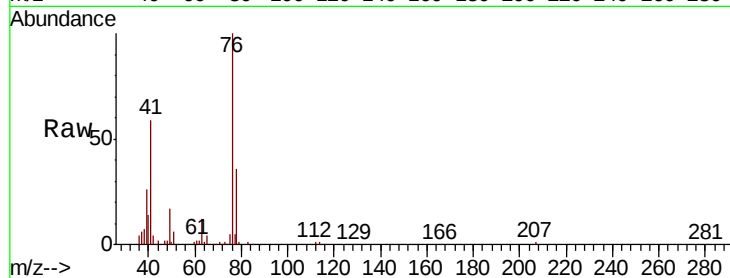
76 100

78 32.8 26.0 39.0

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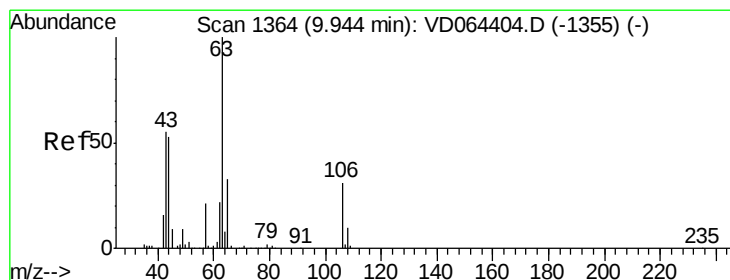
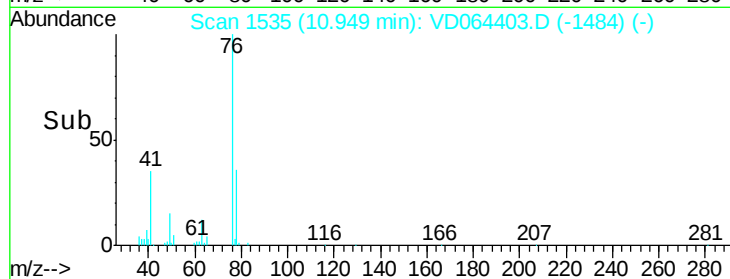
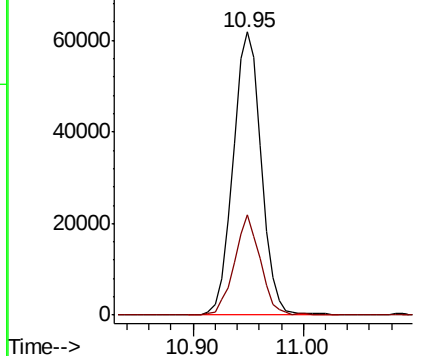
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 109.341 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064403.D

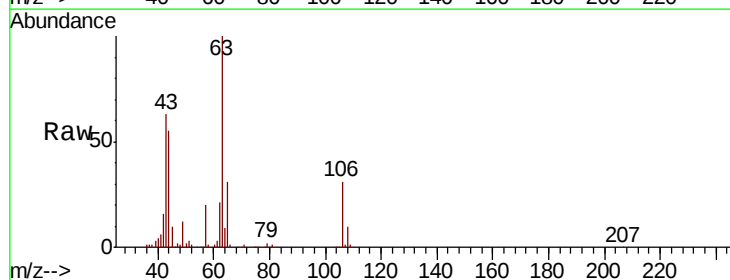
Acq: 27 Nov 2019 18:50

Tgt Ion: 63 Resp: 175896

Ion Ratio Lower Upper

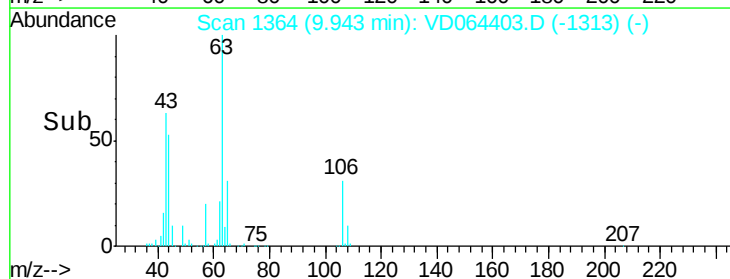
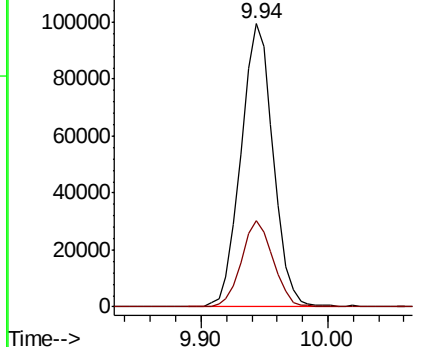
63 100

106 29.9 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





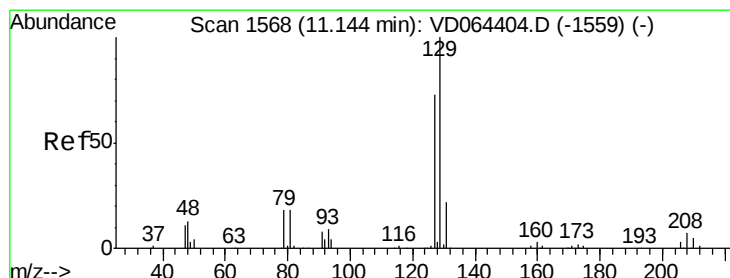
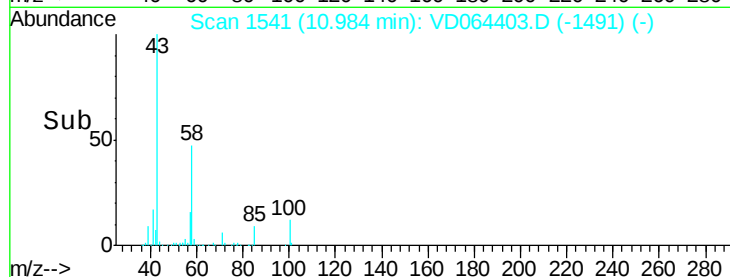
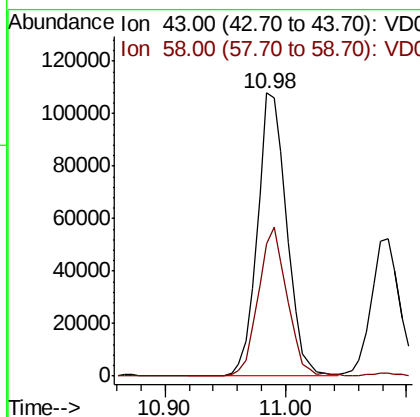
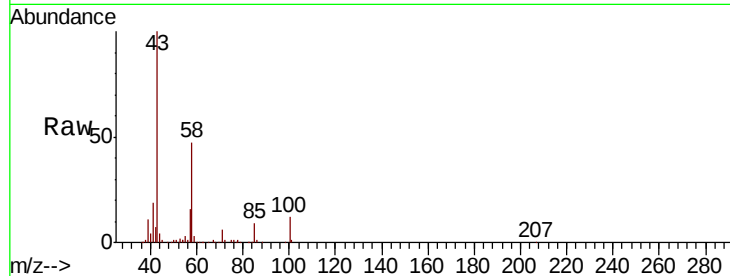
#59
2-Hexanone
Concen: 103.115 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 181970
Ion Ratio Lower Upper
43 100
58 51.7 26.3 78.8

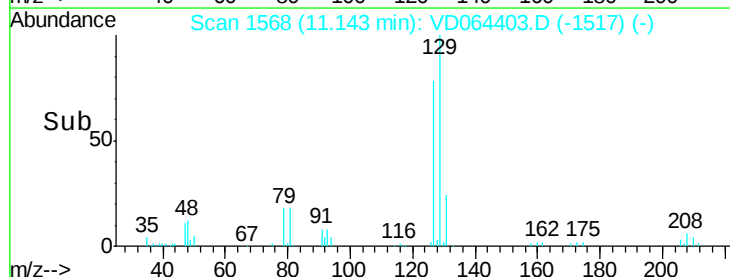
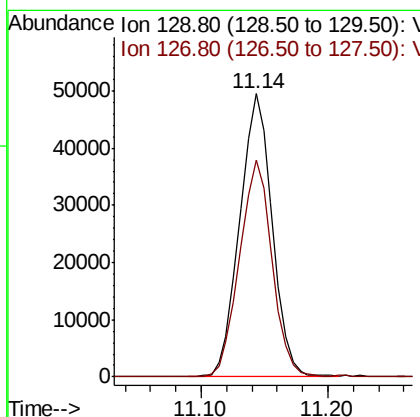
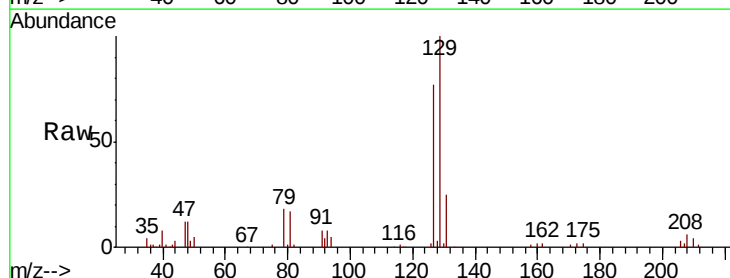
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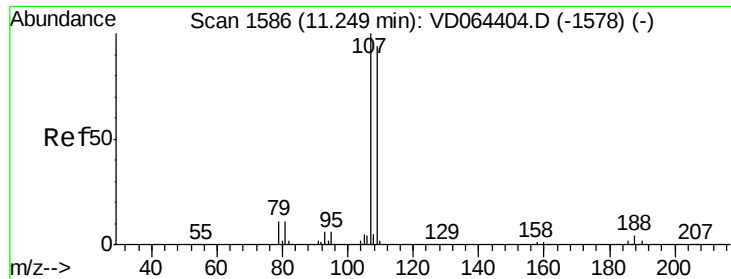
apatel
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#60
Dibromochloromethane
Concen: 21.645 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion: 129 Resp: 87976
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.3





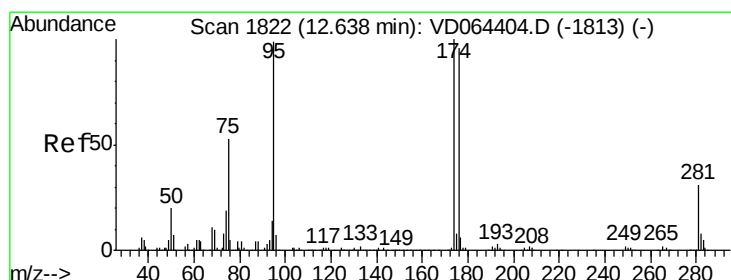
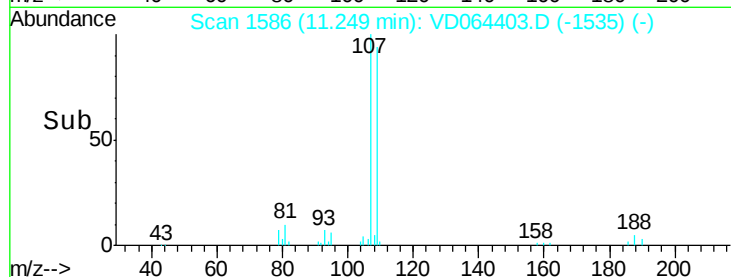
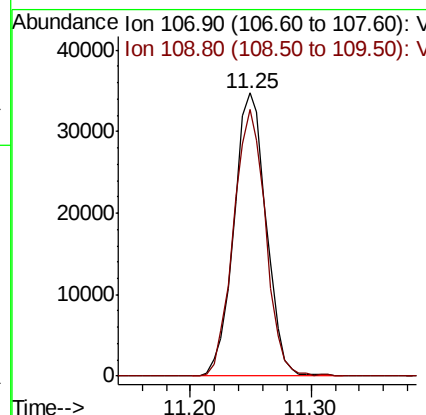
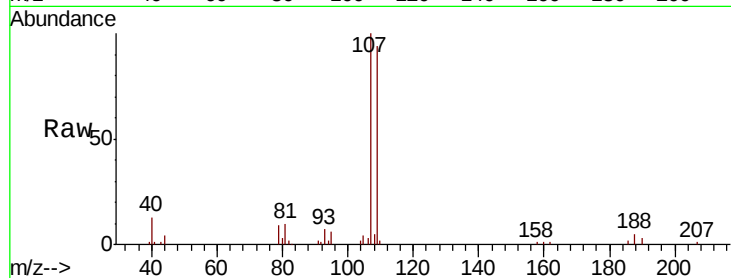
#61
 1,2-Dibromoethane
 Concen: 22.135 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064403.D
 Acq: 27 Nov 2019 18:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 64665
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.2 114.2

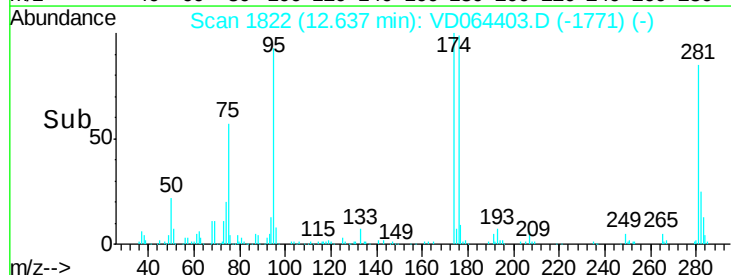
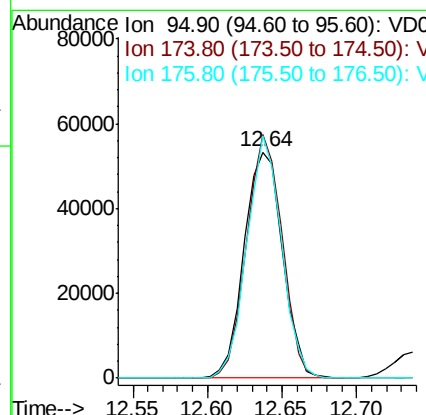
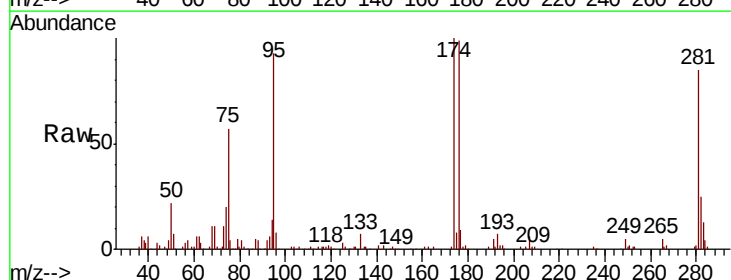
Manual Integrations
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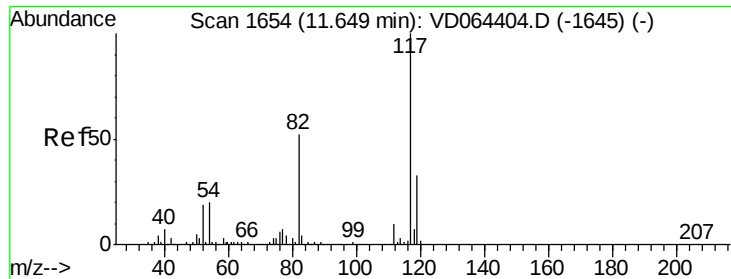
apatel
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#62
 4-Bromofluorobenzene
 Concen: 19.840 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064403.D
 Acq: 27 Nov 2019 18:50

Tgt Ion: 95 Resp: 94995
 Ion Ratio Lower Upper
 95 100
 174 99.2 0.0 197.2
 176 96.4 0.0 189.6





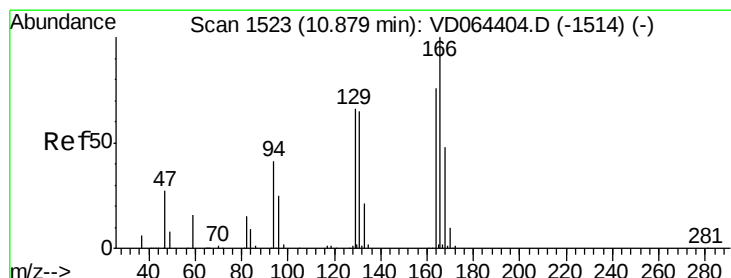
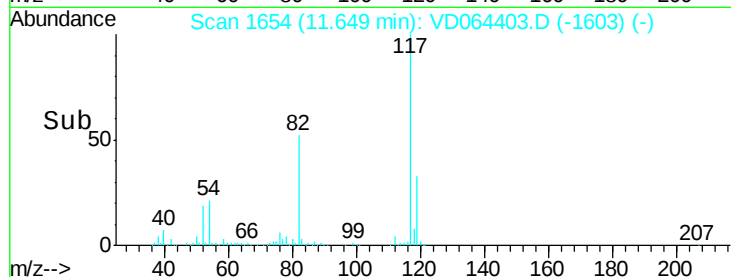
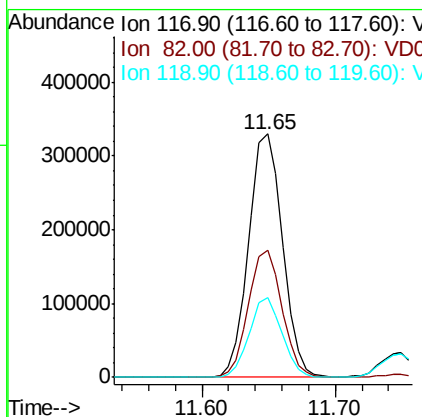
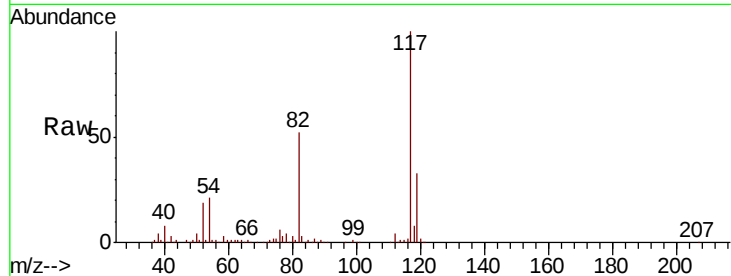
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.4	62.2
119	32.6	26.2	39.2

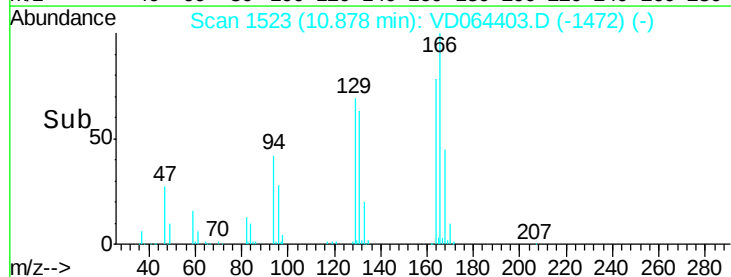
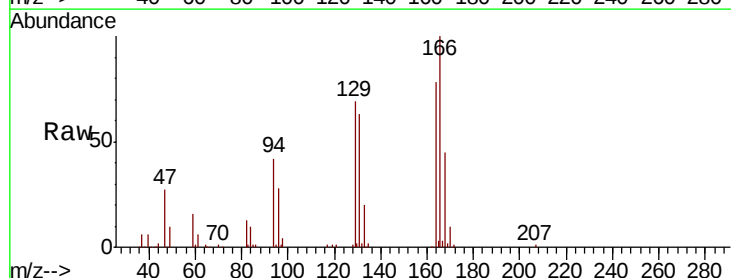
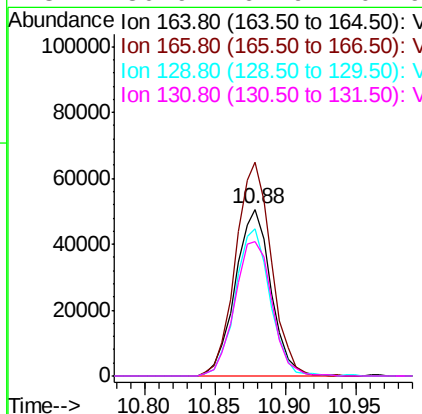
Manual Integrations
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#64
Tetrachloroethene
Concen: 20.201 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	104.8	157.2
129	88.8	68.7	103.1
131	80.9	67.9	101.9





#65

Chlorobenzene

Concen: 20.536 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 241276

Ion Ratio Lower Upper

112 100

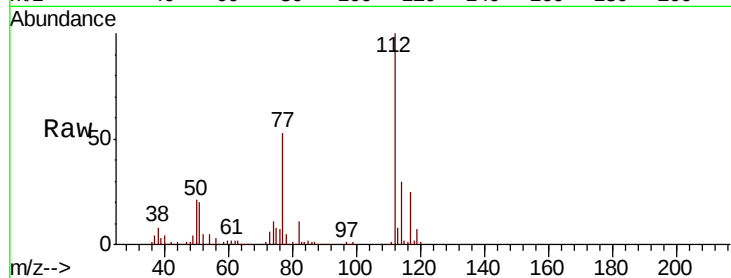
114 29.6 26.5 39.7

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

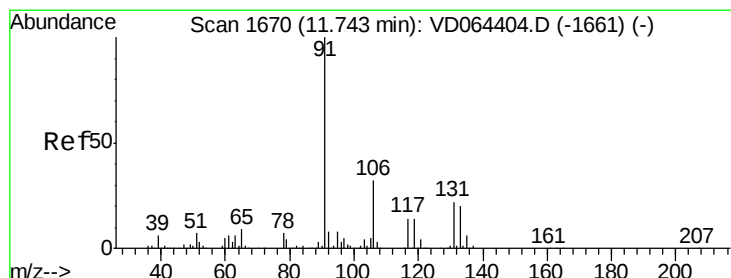
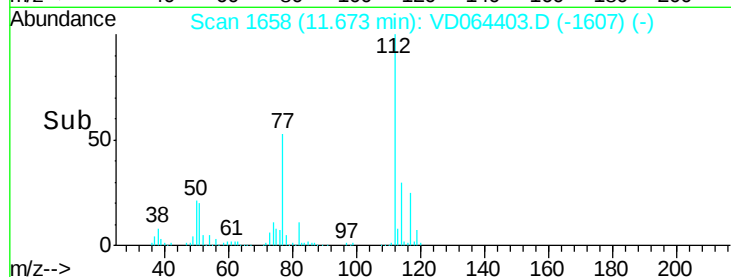
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.562 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

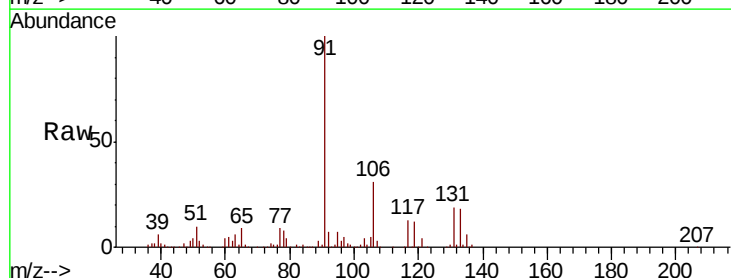
Tgt Ion:131 Resp: 87313

Ion Ratio Lower Upper

131 100

133 97.9 48.3 144.9

119 64.0 31.9 95.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.75

100000

80000

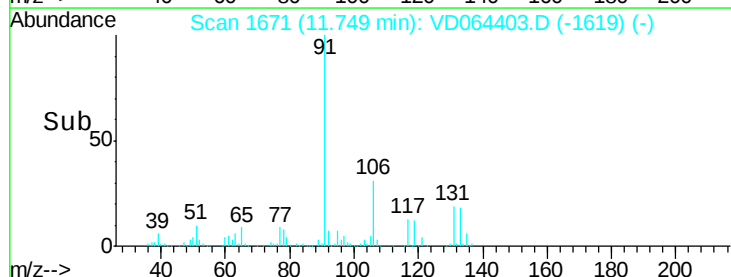
60000

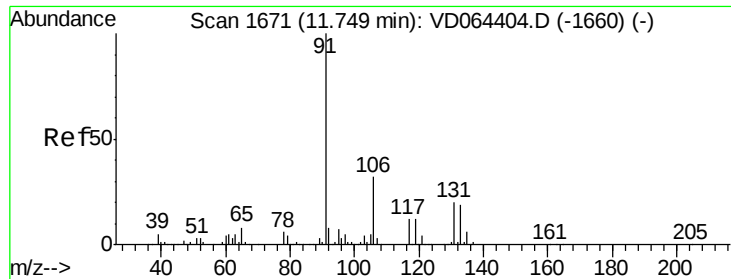
40000

20000

0

Time-->





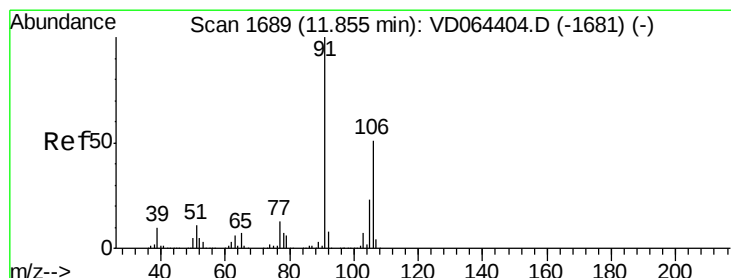
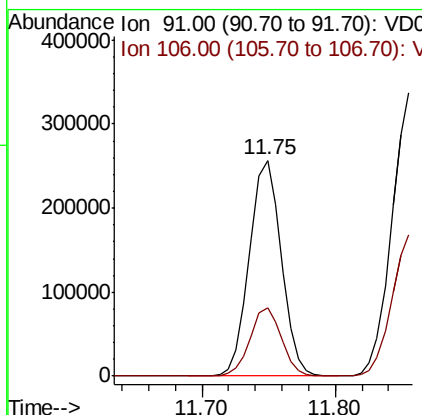
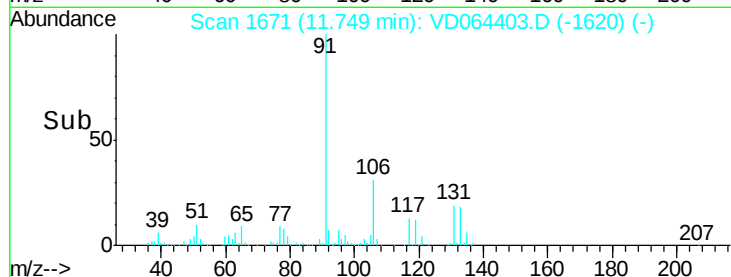
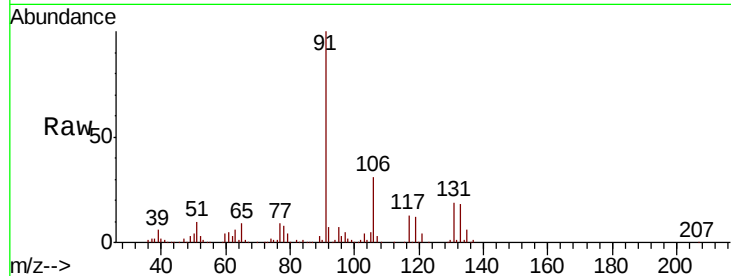
#67
Ethyl Benzene
Concen: 20.030 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 424732
Ion Ratio Lower Upper
91 100
106 31.5 25.8 38.8

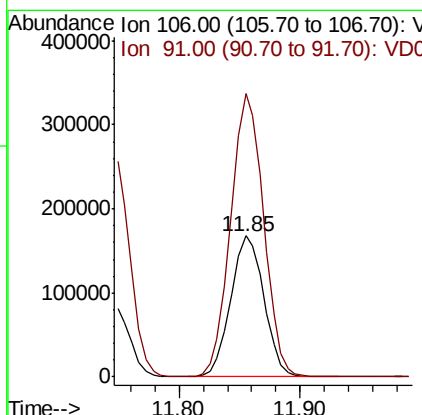
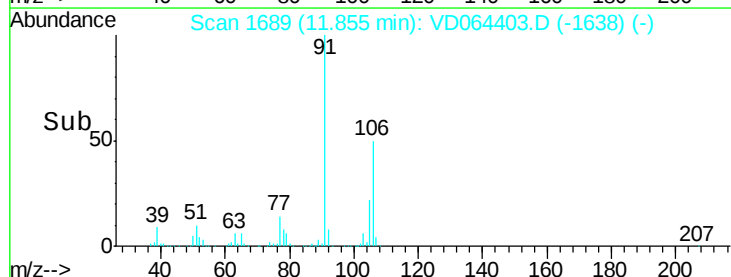
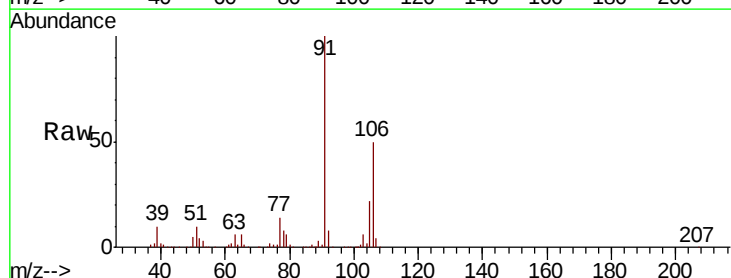
Manual Integrations
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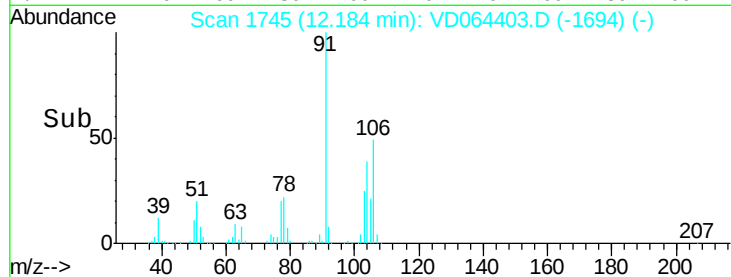
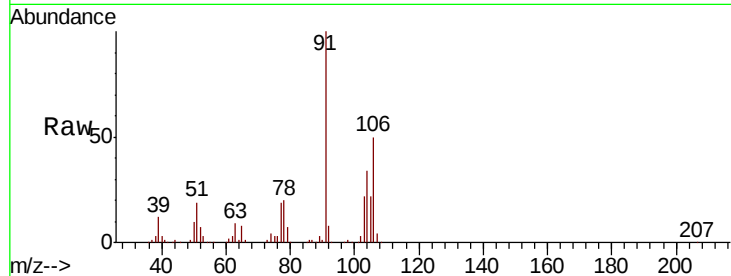
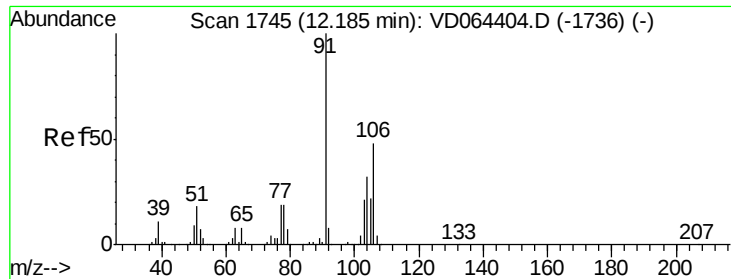
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#68
m/p-Xylenes
Concen: 39.631 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion: 106 Resp: 321909
Ion Ratio Lower Upper
106 100
91 199.9 157.4 236.2





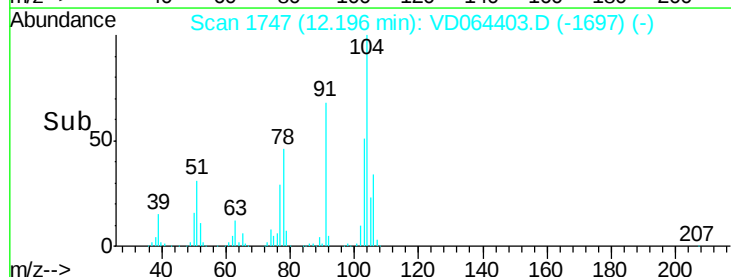
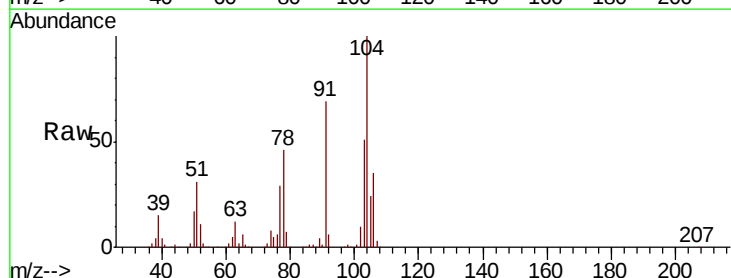
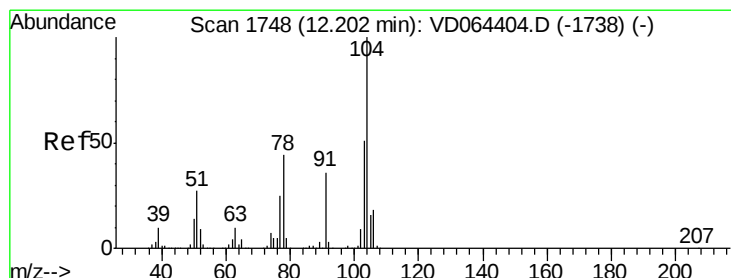
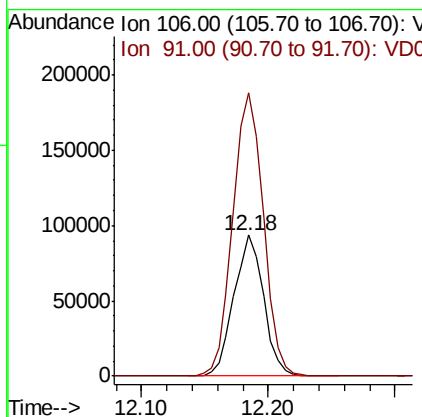
#69
o-Xylene
Concen: 20.143 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.8	103.8	311.4

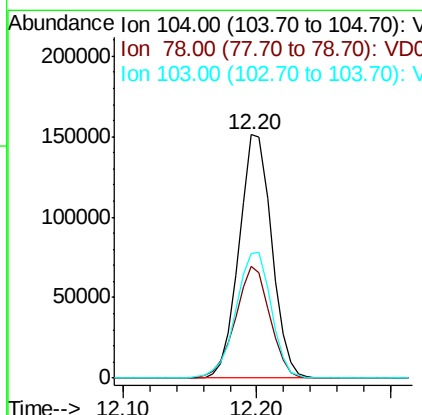
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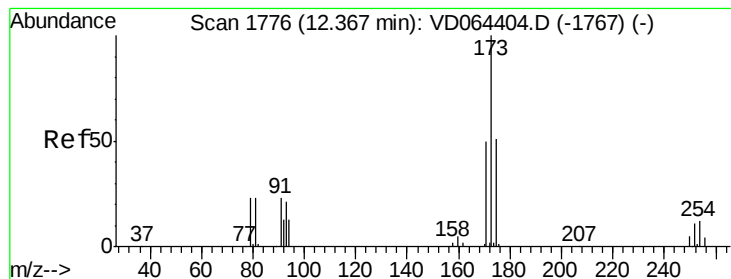
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#70
Styrene
Concen: 19.553 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.8	58.2
103	55.9	44.2	66.4





#71

Bromoform

Concen: 20.985 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

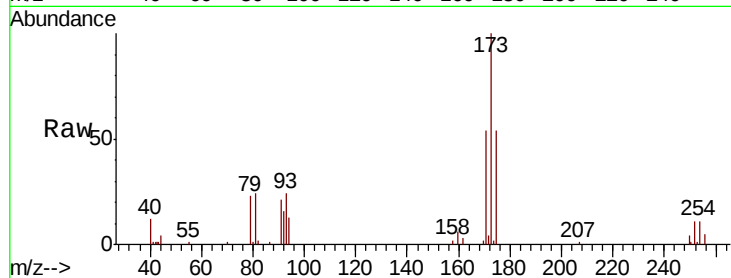
ClientSampleId :

VSTDIC020

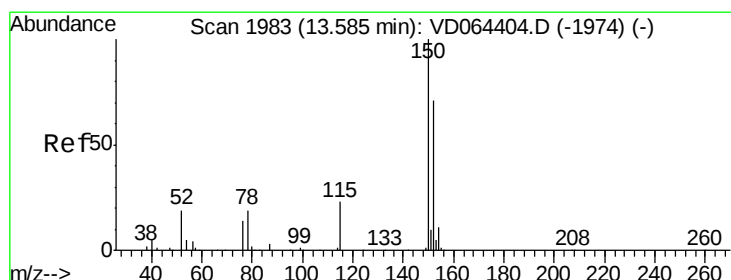
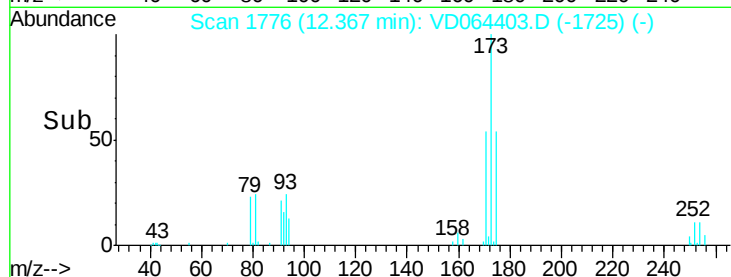
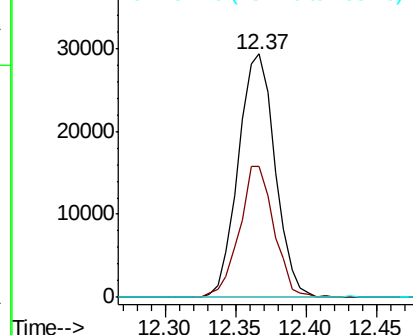
Tot Ion:	173	Resp:	53469
Ion Ratio	Lower	Upper	
173	100		
175	50.6	25.3	75.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

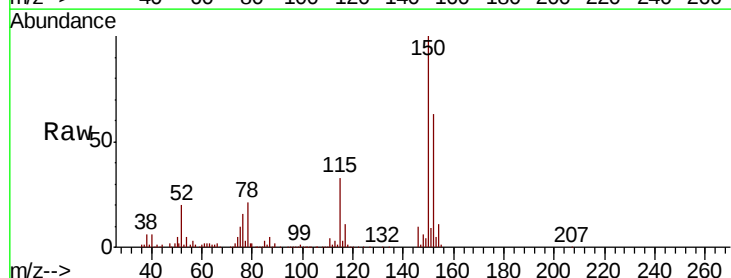
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

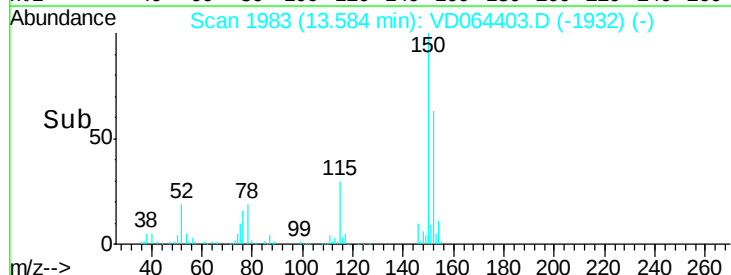
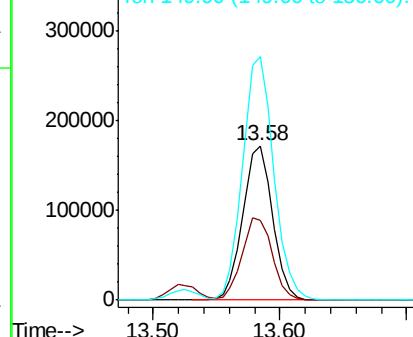
Lab File: VD064403.D

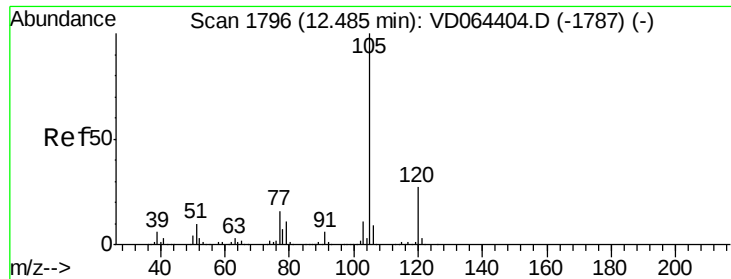
Acq: 27 Nov 2019 18:50

Tgt Ion:	152	Resp:	279897
Ion Ratio	Lower	Upper	
152	100		
115	54.4	26.7	80.1
150	164.9	0.0	347.2



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





#73

Isopropylbenzene

Concen: 19.655 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

Tot Ion: 105 Resp: 400613

Ion Ratio Lower Upper

105 100

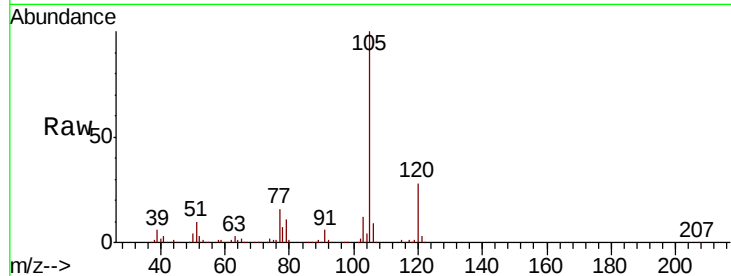
120 27.7 13.4 40.2

Manual Integrations

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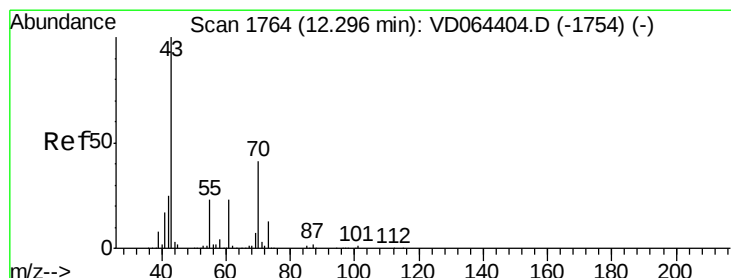
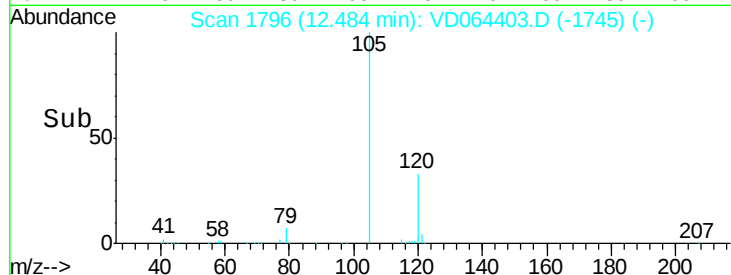
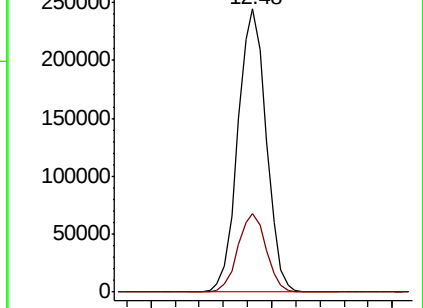
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.238 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Tgt Ion: 43 Resp: 92672

Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.2

55 22.6 18.9 28.3

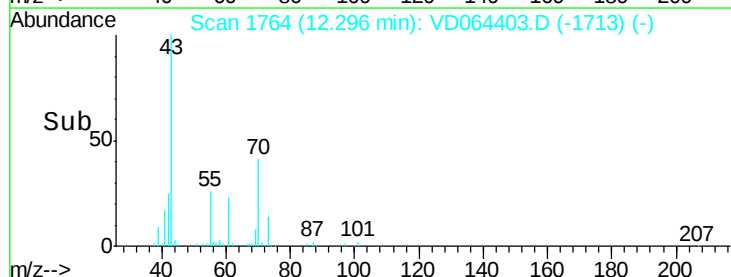
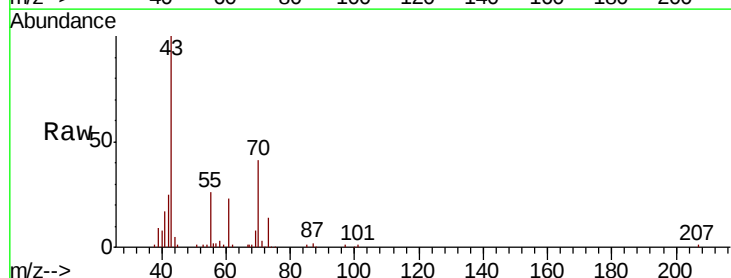
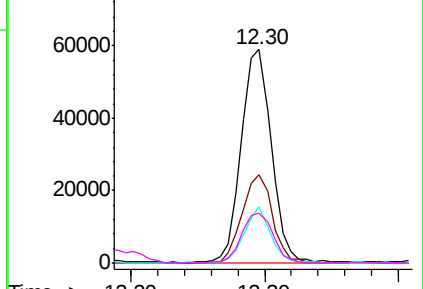
61 24.4 18.5 27.7

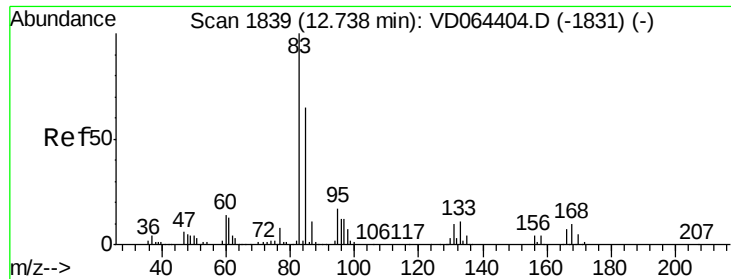
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 22.013 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

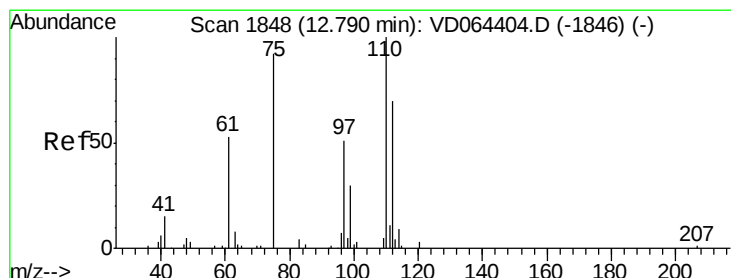
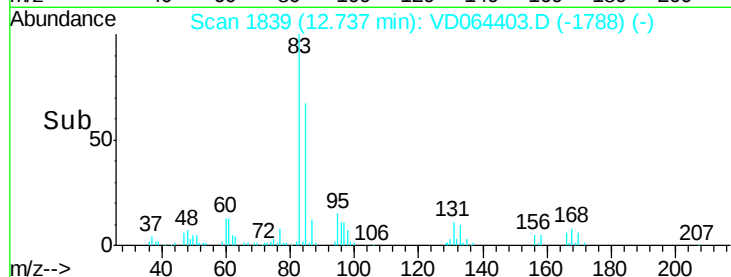
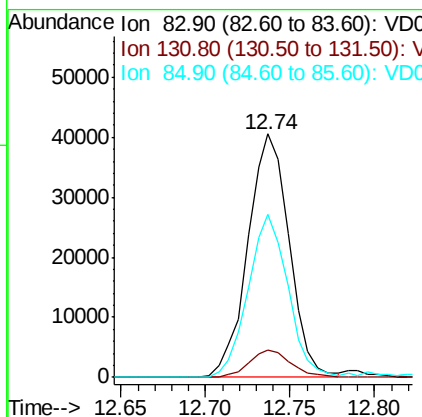
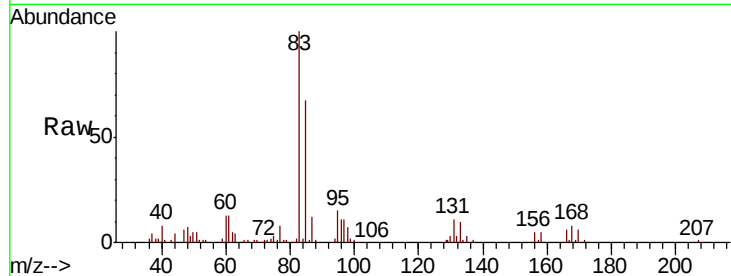
ClientSampleId :

VSTDIC020

Tot Ion	83	Resp	68951
Ion Ratio	100	Lower	Upper
83	100		
131	11.3	5.7	17.0
85	64.6	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.382 ug/l m

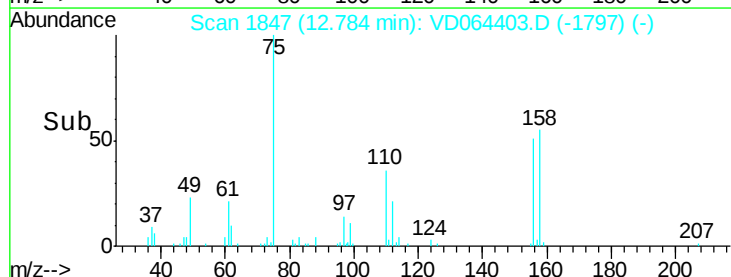
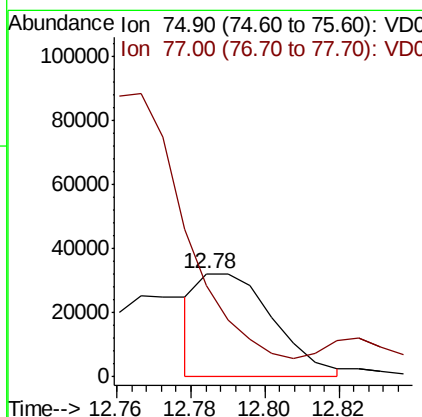
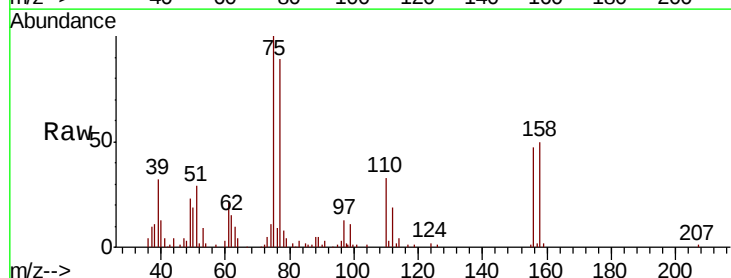
RT: 12.78 min Scan# 1847

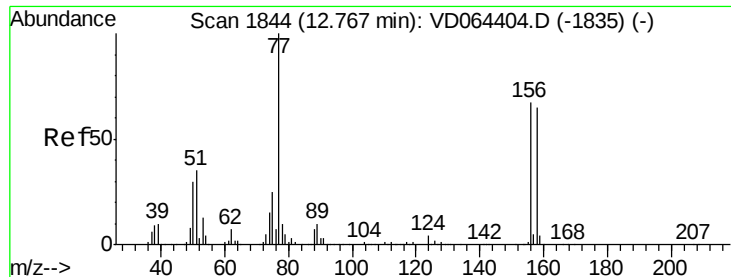
Delta R.T. -0.01 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Tgt Ion	75	Resp	45532
Ion Ratio	100	Lower	Upper
75	100		
77	366.7	0.0	0.0#





#77

Bromobenzene

Concen: 20.766 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

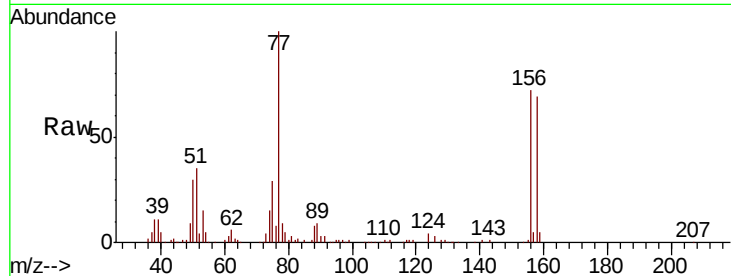
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	161.8	80.0	240.2	
158	97.6	48.9	146.6	

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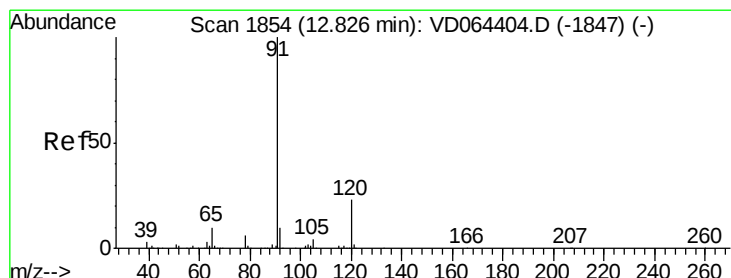
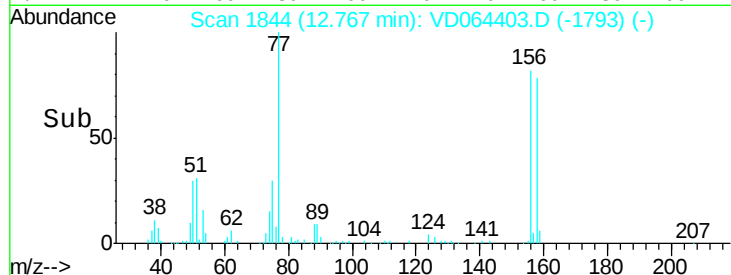
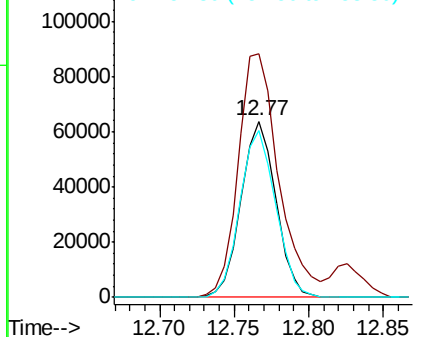
apatel
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.223 ug/l

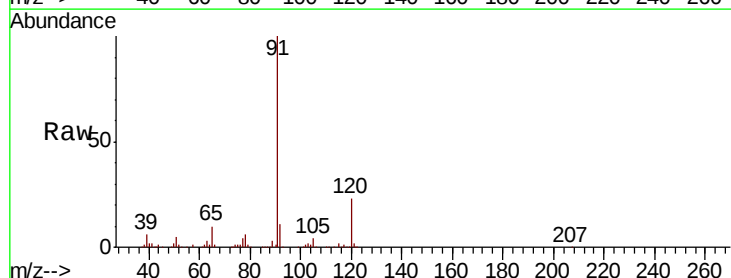
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064403.D

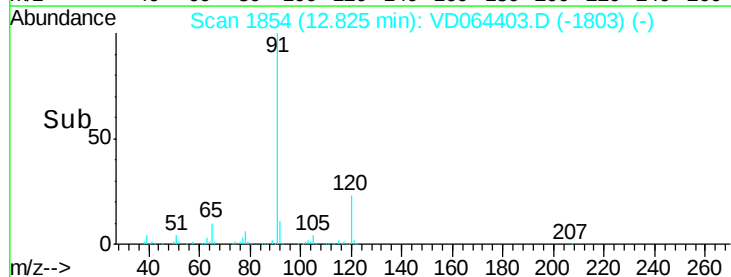
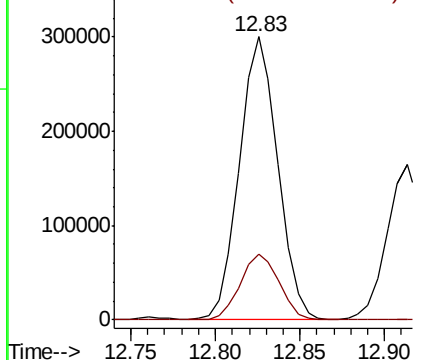
Acq: 27 Nov 2019 18:50

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.7	11.9	35.9	



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





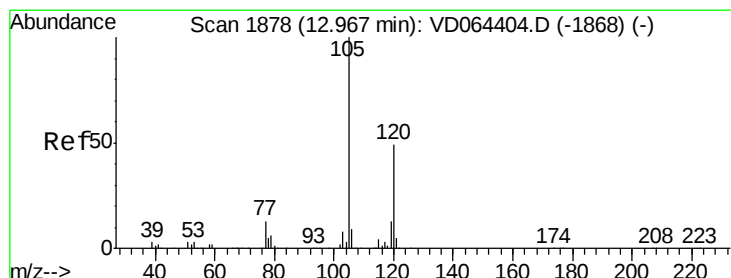
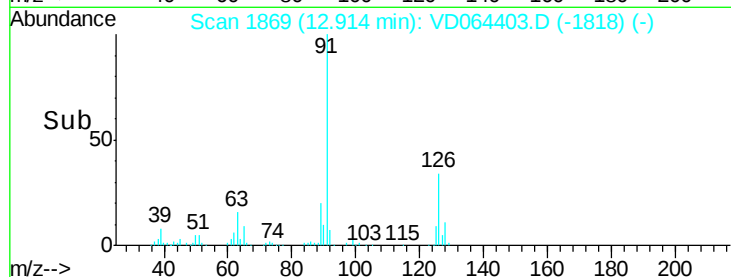
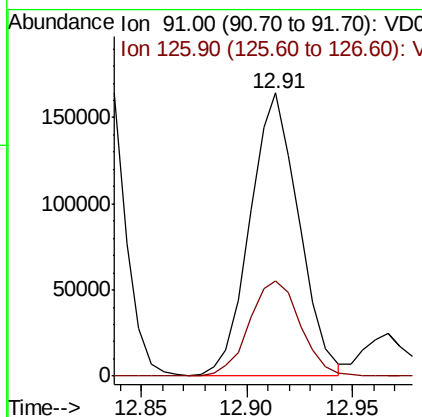
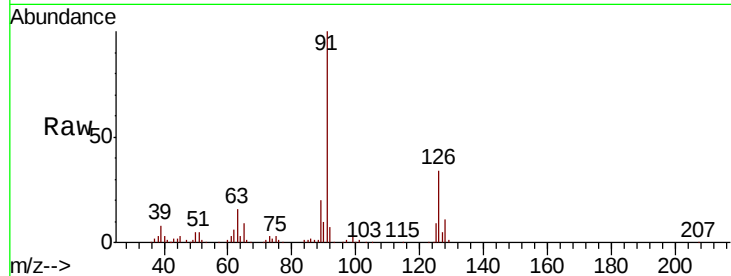
#79
2-Chlorotoluene
Concen: 20.061 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.3	18.0	54.0

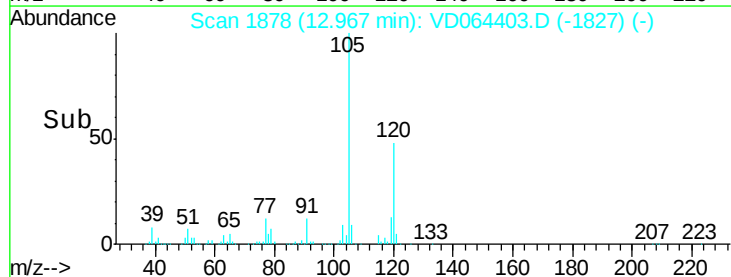
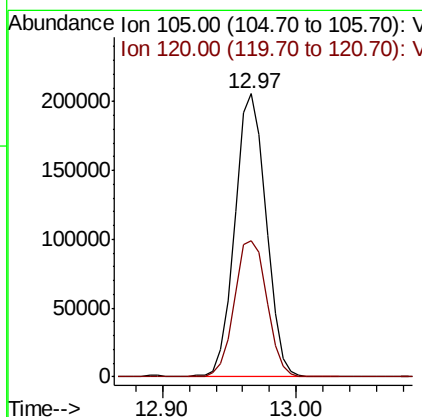
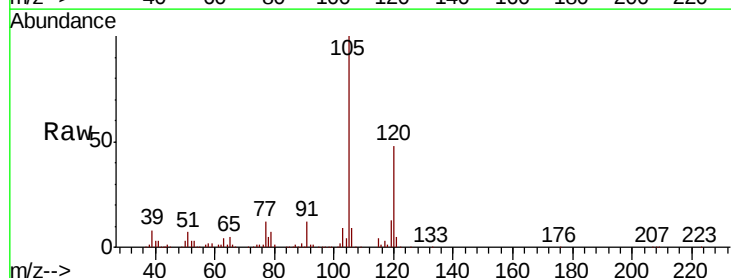
Manual Integrations
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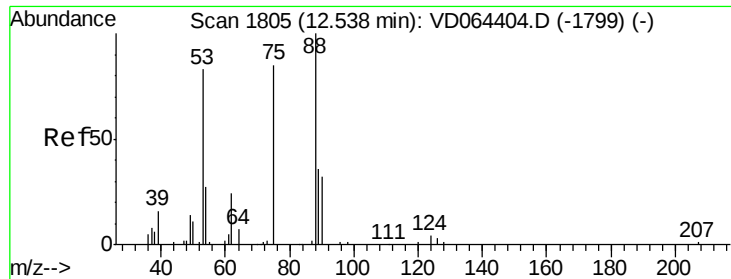
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 19.860 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.2	25.1	75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 17.922 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

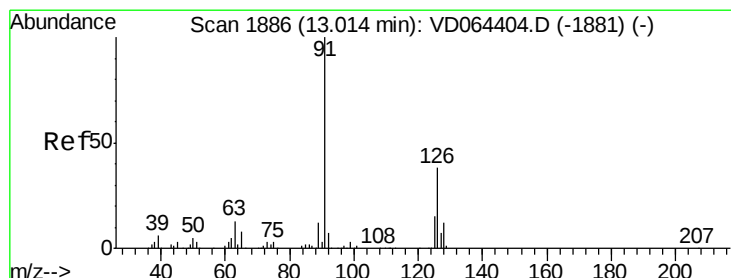
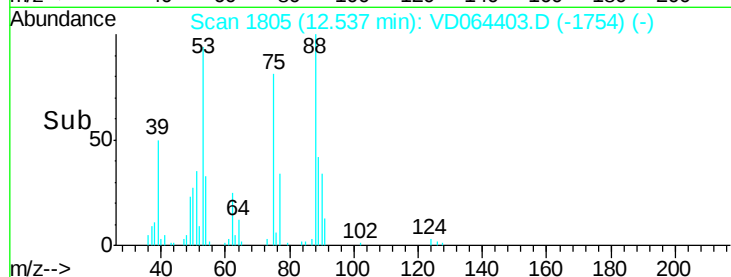
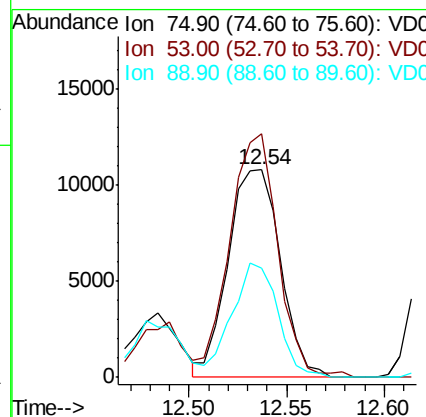
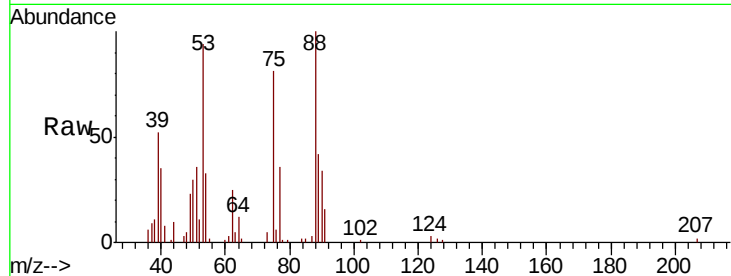
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	20047
Ion Ratio	Lower	Upper	
75	100		
53	108.0	81.0	121.6
89	48.1	38.5	57.7

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#82

4-Chlorotoluene

Concen: 19.817 ug/l

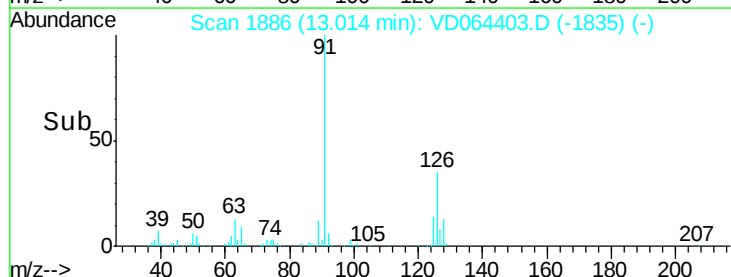
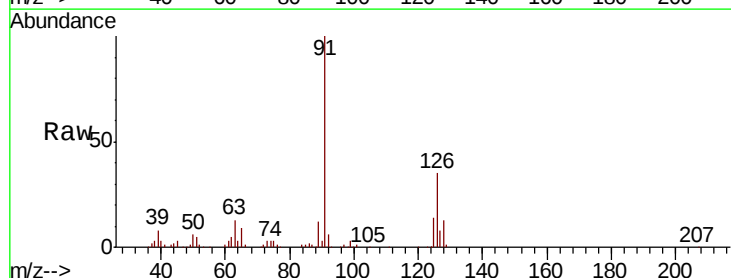
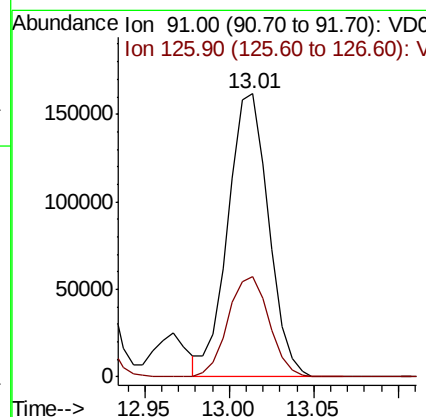
RT: 13.01 min Scan# 1886

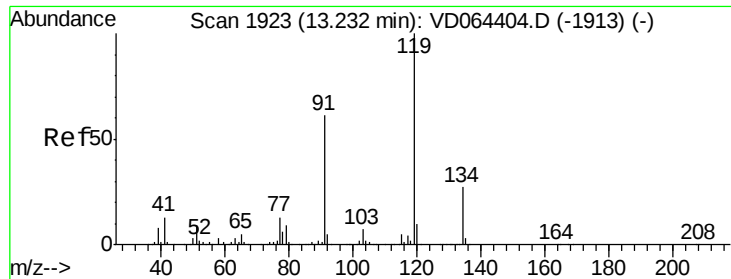
Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Tgt Ion:	91	Resp:	271611
Ion Ratio	Lower	Upper	
91	100		
126	35.8	18.2	54.6





#83

tert-Butylbenzene

Concen: 19.155 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

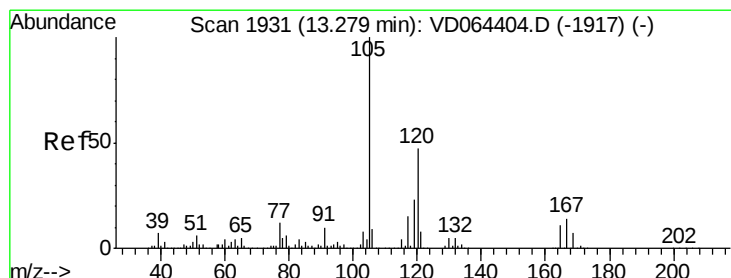
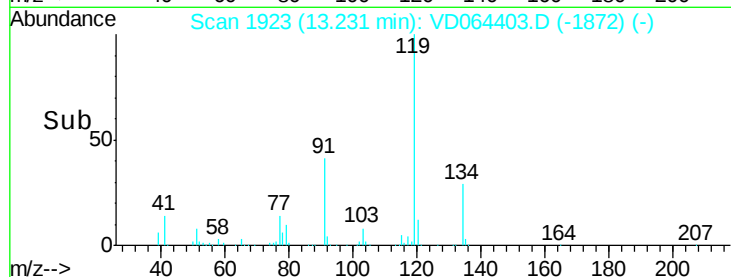
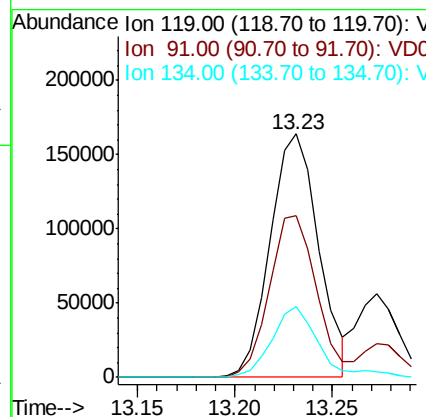
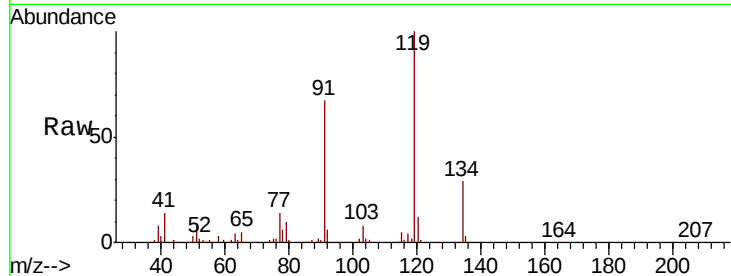
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	281772
Ion Ratio	Lower	Upper	
119	100		
91	65.5	31.2	93.6
134	28.4	13.9	41.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.045 ug/l

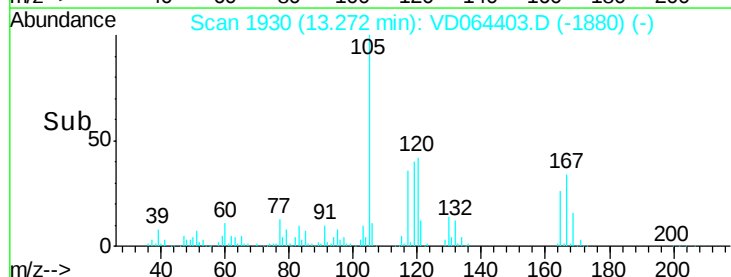
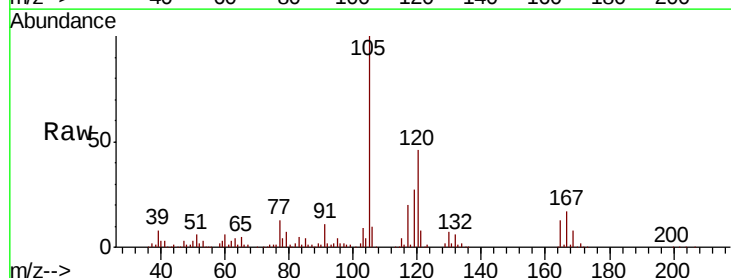
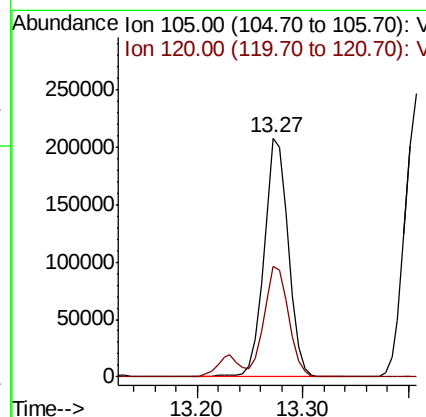
RT: 13.27 min Scan# 1930

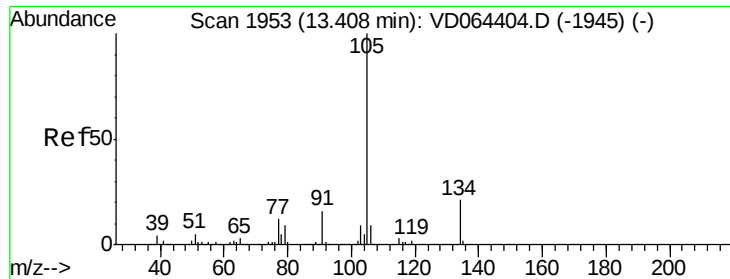
Delta R.T. -0.01 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Tgt Ion:	105	Resp:	331761
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.6	70.8





#85

sec-Butylbenzene

Concen: 19.778 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 392327

Ion Ratio Lower Upper

105 100

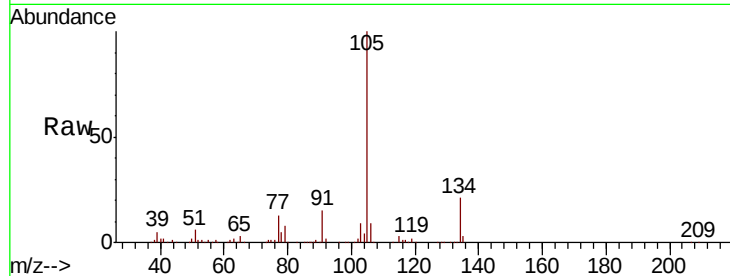
134 21.6 10.5 31.5

Manual Integrations

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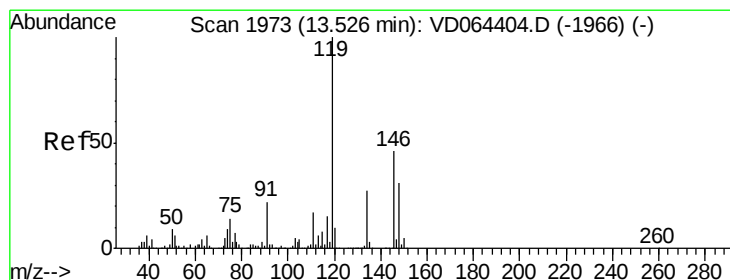
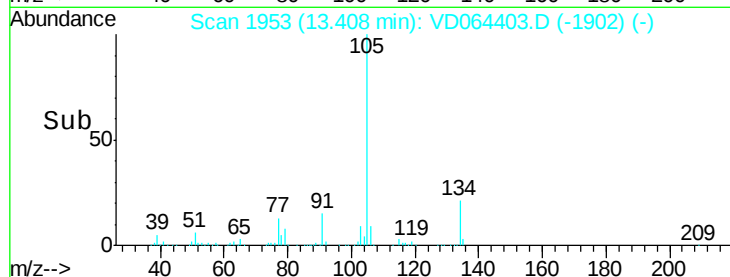
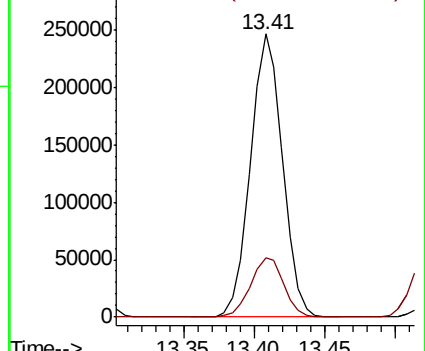
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.530 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064403.D

Acq: 27 Nov 2019 18:50

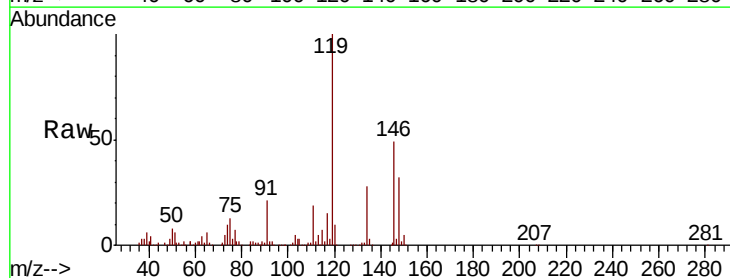
Tgt Ion:119 Resp: 368017

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

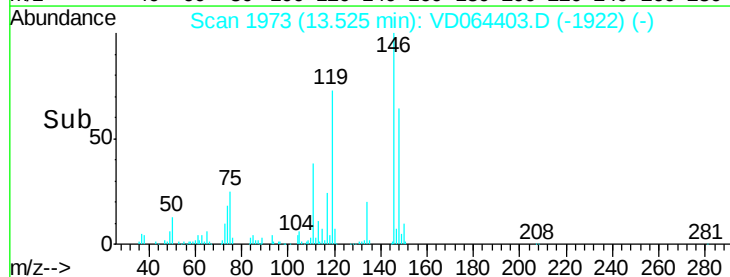
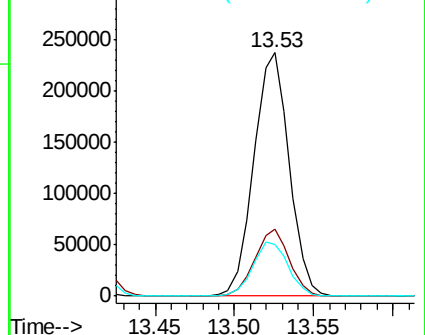
91 22.5 11.2 33.5

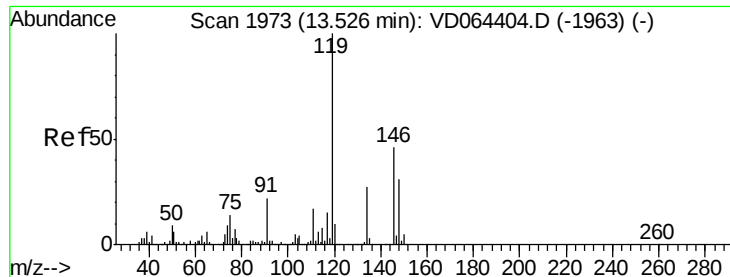


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





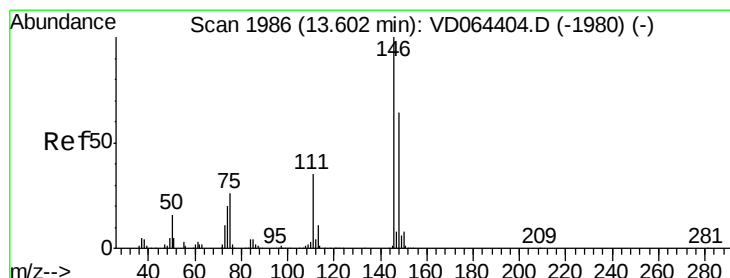
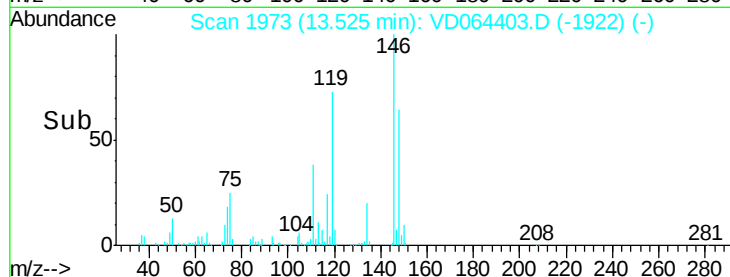
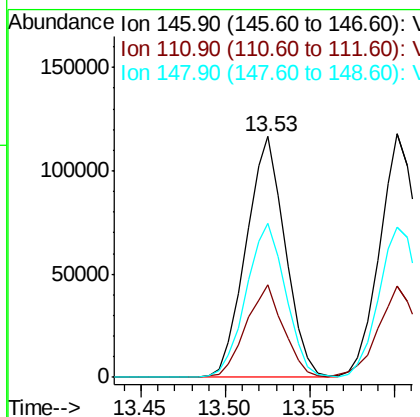
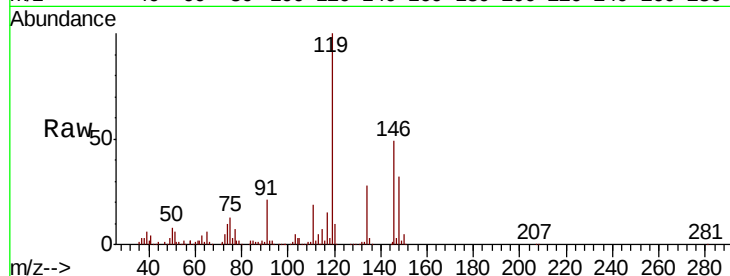
#87
 1,3-Dichlorobenzene
 Concen: 20.312 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064403.D
 Acq: 27 Nov 2019 18:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.4
148	64.4	32.6	97.8

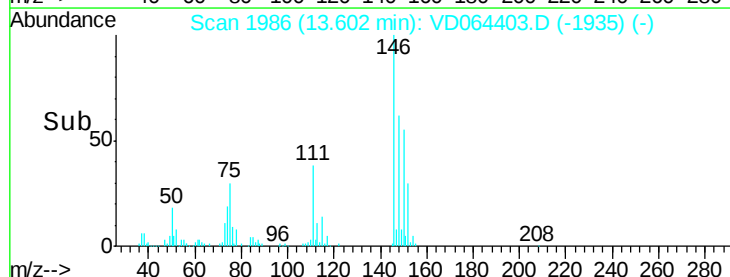
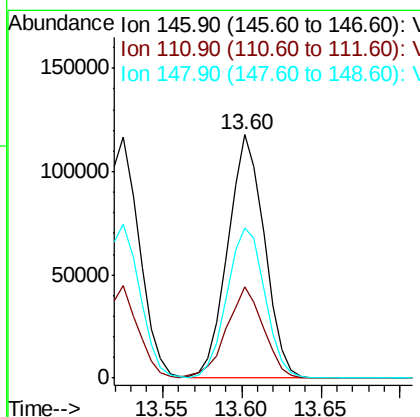
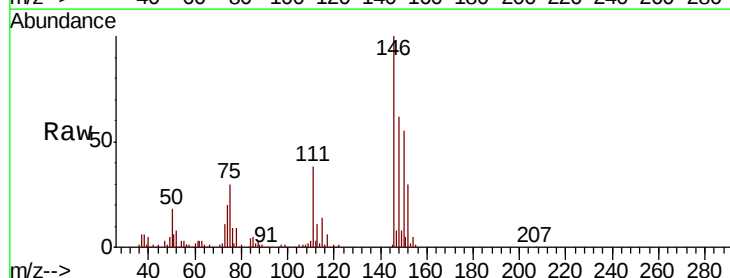
Manual Integrations
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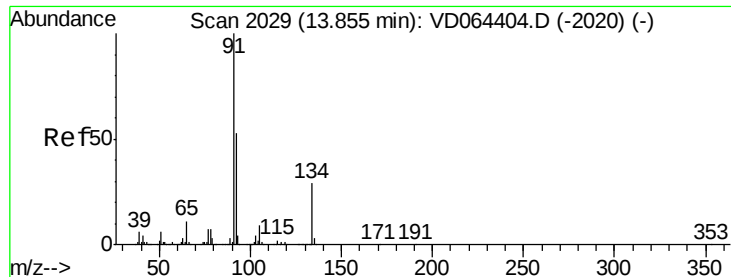
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#88
 1,4-Dichlorobenzene
 Concen: 20.911 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064403.D
 Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.2	54.6
148	63.8	31.8	95.4





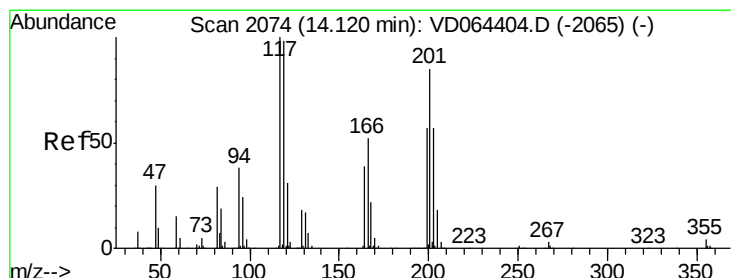
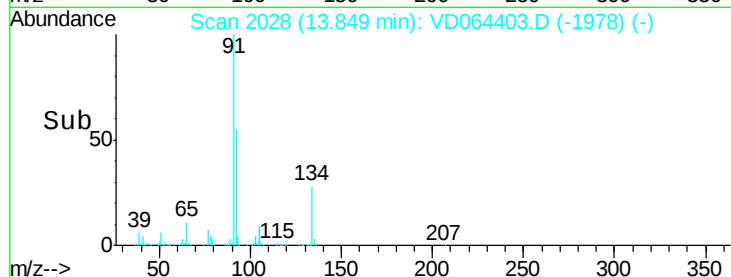
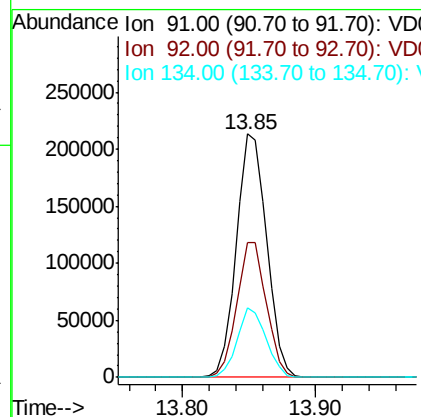
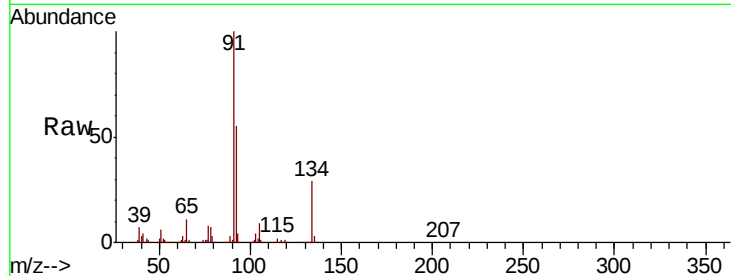
#89
n-Butylbenzene
Concen: 19.741 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.5	79.4
134	27.3	13.9	41.7

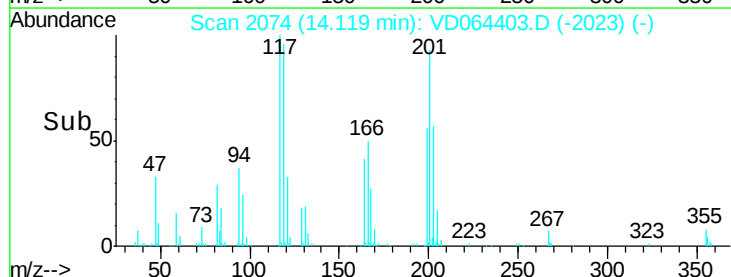
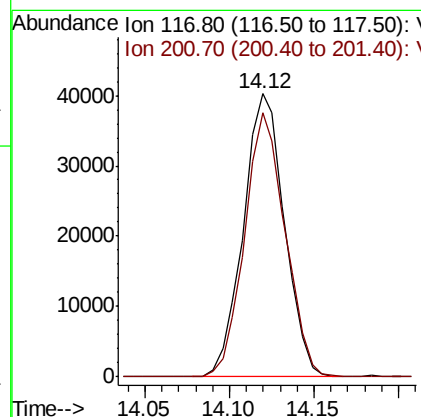
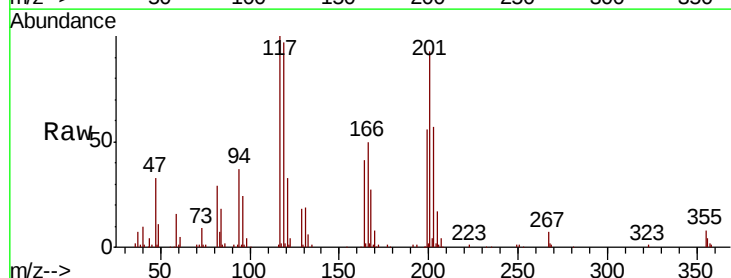
Manual Integrations
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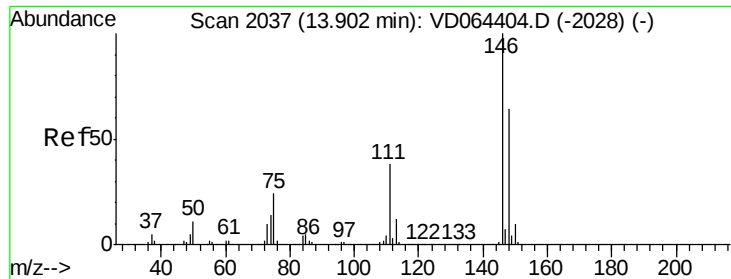
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#90
Hexachloroethane
Concen: 19.468 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	44.3	132.8





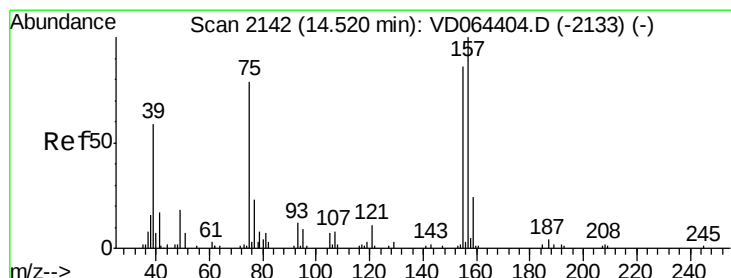
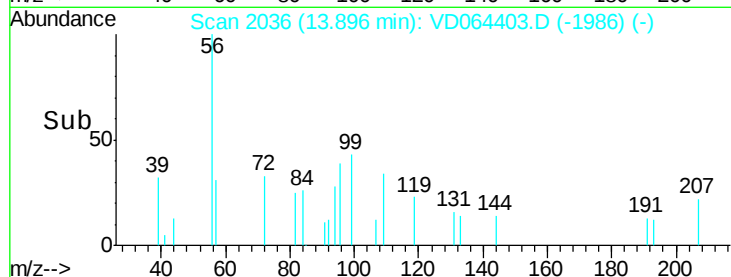
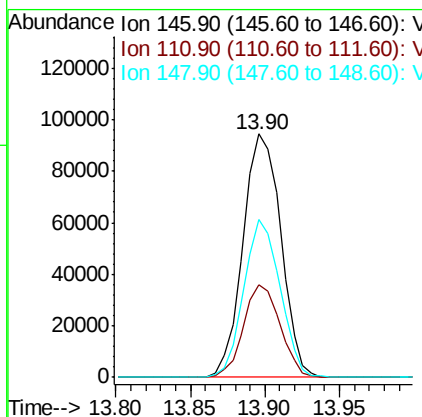
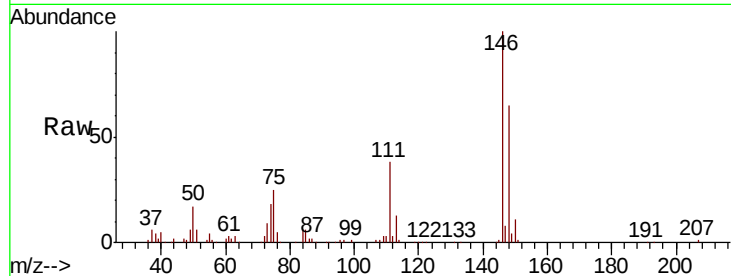
#91
 1,2-Dichlorobenzene
 Concen: 21.136 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064403.D
 Acq: 27 Nov 2019 18:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.1	57.3
148	62.1	32.0	96.0

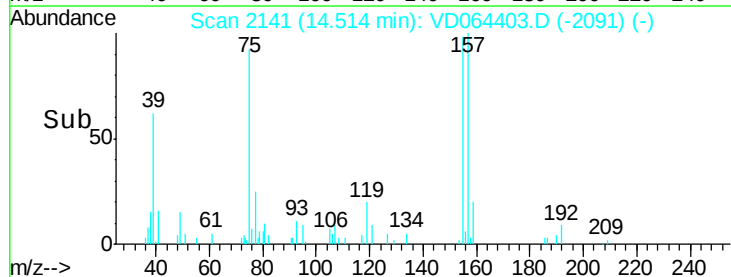
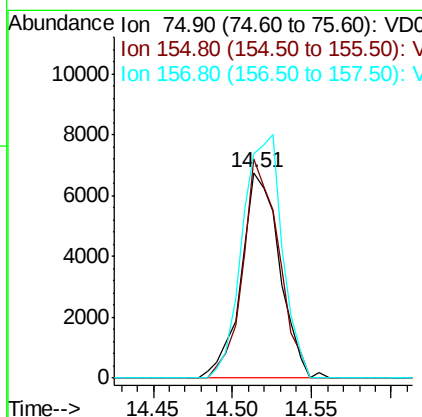
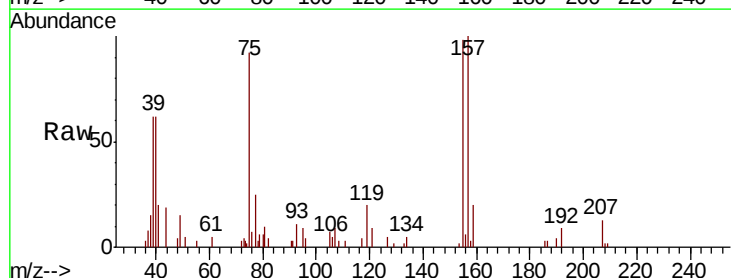
Manual Integrations
 APPROVED

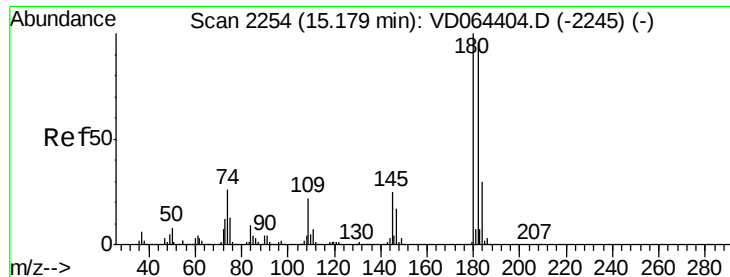
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.742 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064403.D
 Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	51.9	155.7
157	122.7	63.2	189.8





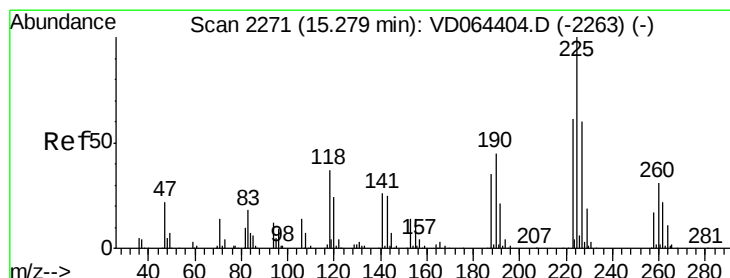
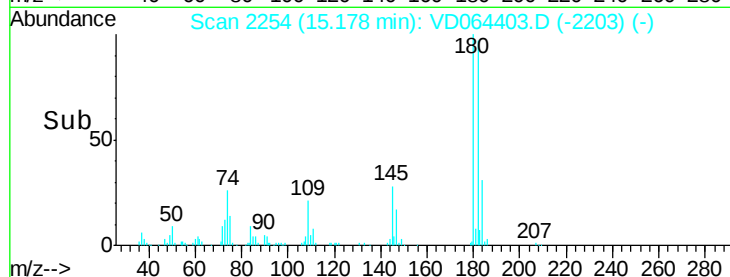
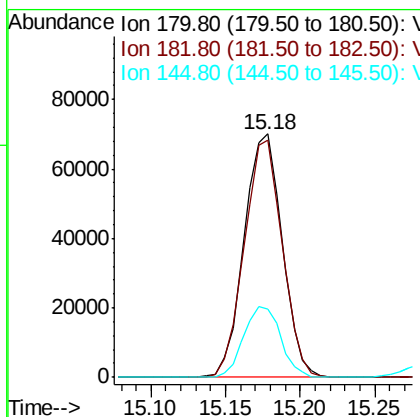
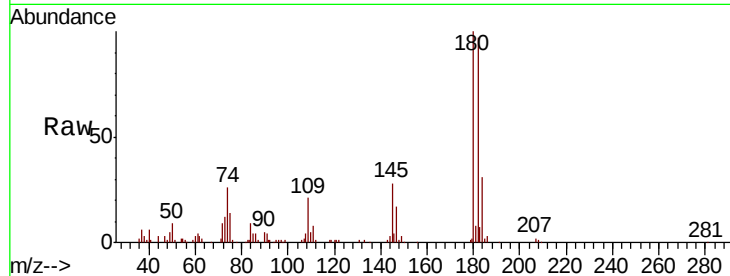
#93
 1,2,4-Trichlorobenzene
 Concen: 20.478 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD064403.D
 Acq: 27 Nov 2019 18:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123458		
182	97.1	47.4	142.3	
145	28.4	14.0	41.9	

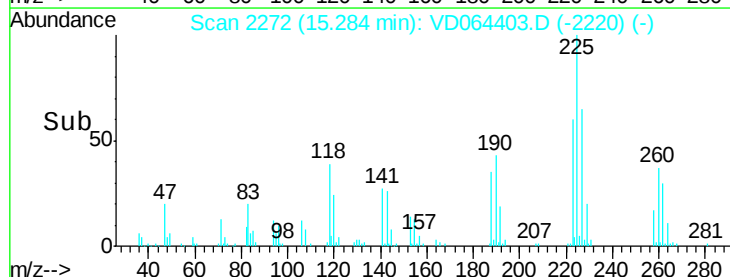
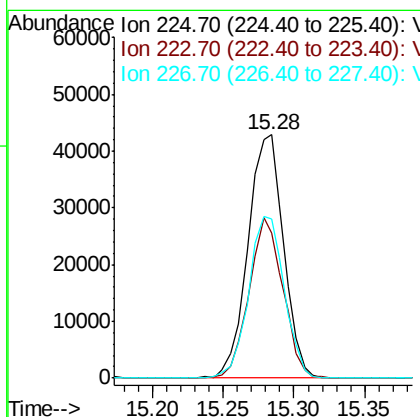
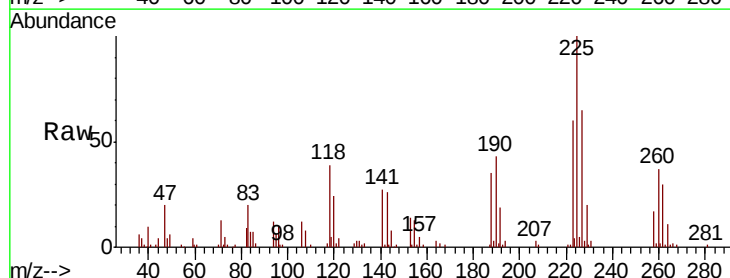
Manual Integrations
 APPROVED

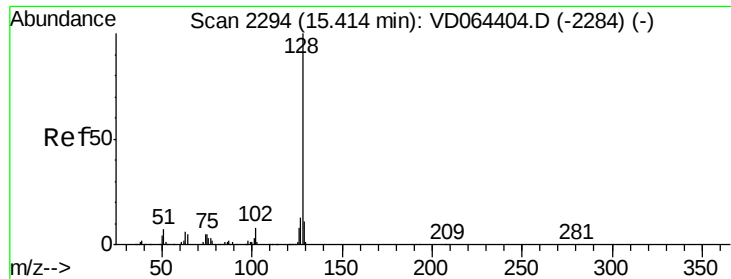
apatel
 12/2/2019 10:56:37 AM



#94
 Hexachlorobutadiene
 Concen: 19.580 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064403.D
 Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75959		
223	62.6	31.1	93.3	
227	66.3	31.8	95.4	





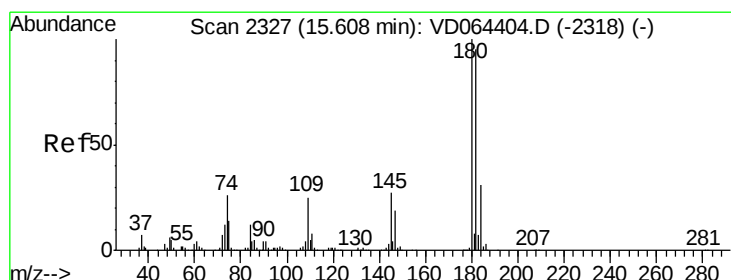
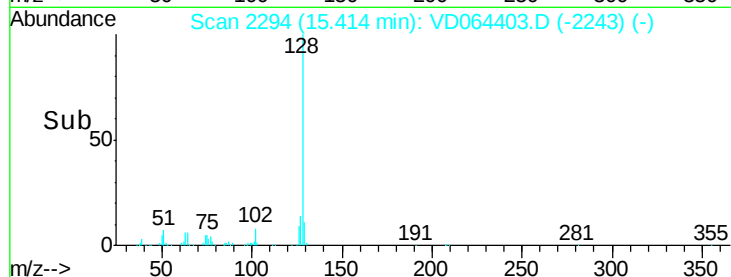
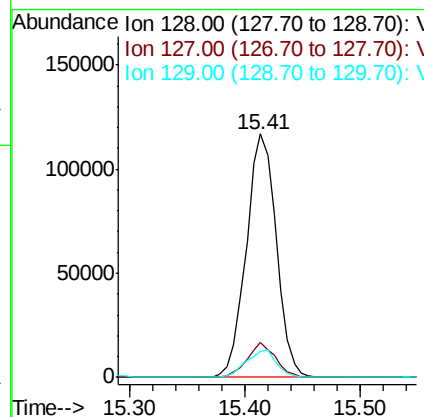
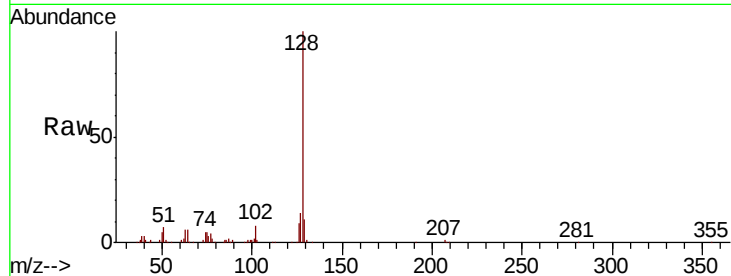
#95
Naphthalene
Concen: 21.267 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	211708		
127	13.6		10.5	15.7
129	11.2		8.8	13.2

Manual Integrations
APPROVED

apatel
12/2/2019 10:56:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.713 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064403.D
Acq: 27 Nov 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	106822		
182	96.9		47.6	142.9
145	30.1		14.6	43.8

