

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064430.D
 Acq On : 05 Dec 2019 12:14
 Operator : VA/SY
 Sample : VD1205SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Manual Integrations
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 12/6/2019 12:59:16 PM

Quant Time: Dec 06 07:53:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	496541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	713290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	621469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	211738	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
35) Dibromofluoromethane	7.92	113	218386	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.34	98	823168	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.64	95	260147	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89441	19.880	ug/l	96
3) Chloromethane	2.21	50	112434	19.813	ug/l	94
4) Vinyl Chloride	2.35	62	131366	20.050	ug/l	98
5) Bromomethane	2.76	94	90205	18.617	ug/l	99
6) Chloroethane	2.92	64	83668	19.105	ug/l	97
7) Trichlorofluoromethane	3.27	101	212492	19.509	ug/l	96
8) Diethyl Ether	3.70	74	43744	19.327	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91931	19.684	ug/l	97
10) Methyl Iodide	4.29	142	91425	18.537	ug/l	97
11) Tert butyl alcohol	5.25	59	26325	92.016	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	85866	19.186	ug/l	97
13) Acrolein	3.93	56	35484	90.932	ug/l	95
14) Allyl chloride	4.71	41	134757	19.293	ug/l	100
15) Acrylonitrile	5.43	53	92790	93.750	ug/l	98
16) Acetone	4.17	43	84411	92.940	ug/l	96
17) Carbon Disulfide	4.40	76	276356	19.496	ug/l	96
18) Methyl Acetate	4.73	43	59726	22.545	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	187041	18.219	ug/l	99
20) Methylene Chloride	4.96	84	96941	18.176	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	97177	19.195	ug/l	97
22) Diisopropyl ether	6.37	45	255962	18.563	ug/l	96
23) Vinyl Acetate	6.31	43	745039	91.653	ug/l	100
24) 1,1-Dichloroethane	6.27	63	159485	19.233	ug/l	98
25) 2-Butanone	7.22	43	120525	93.835	ug/l	99
26) 2,2-Dichloropropane	7.21	77	141813	19.665	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	103986	18.840	ug/l	99
28) Bromochloromethane	7.55	49	43228	15.254	ug/l	97
29) Tetrahydrofuran	7.57	42	77548	94.897	ug/l	98
30) Chloroform	7.71	83	164643	19.171	ug/l	98
31) Cyclohexane	7.98	56	160566	19.368	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	152239	19.121	ug/l	99
36) 1,1-Dichloropropene	8.11	75	130039	19.274	ug/l	100
37) Ethyl Acetate	7.30	43	54820	19.149	ug/l	99
38) Carbon Tetrachloride	8.09	117	139603	19.605	ug/l	90

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	163769	19.568	ug/l	99
40) Benzene	8.35	78	360369	19.231	ug/l	99
41) Methacrylonitrile	7.53	41	25372m	15.454	ug/l	
42) 1,2-Dichloroethane	8.43	62	105206	19.252	ug/l	99
43) Isopropyl Acetate	8.46	43	107952	19.179	ug/l	98
44) Trichloroethene	9.11	130	107990	19.132	ug/l	97
45) 1,2-Dichloropropane	9.39	63	85519	19.083	ug/l	100
46) Dibromomethane	9.48	93	47979	18.969	ug/l	99
47) Bromodichloromethane	9.66	83	122536	18.854	ug/l	94
48) Methyl methacrylate	9.46	41	48676	18.898	ug/l	96
49) 1,4-Dioxane	9.47	88	11075	354.586	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	262578	94.281	ug/l	100
52) Toluene	10.40	92	232608	19.047	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	118285	19.097	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	140302	19.068	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	65399	18.883	ug/l	95
56) Ethyl methacrylate	10.66	69	82041	18.572	ug/l	99
57) 1,3-Dichloropropane	10.95	76	114105	19.354	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	172476	97.947	ug/l	98
59) 2-Hexanone	10.98	43	180029	93.157	ug/l	99
60) Dibromochloromethane	11.14	129	87788	18.695	ug/l	97
61) 1,2-Dibromoethane	11.25	107	63711	18.424	ug/l	98
64) Tetrachloroethene	10.87	164	91560	19.320	ug/l	92
65) Chlorobenzene	11.67	112	245716	18.957	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	90035	18.764	ug/l	98
67) Ethyl Benzene	11.75	91	444703	19.283	ug/l	99
68) m/p-Xylenes	11.86	106	336530	38.271	ug/l	100
69) o-Xylene	12.18	106	153617	18.916	ug/l	99
70) Styrene	12.20	104	267909	18.984	ug/l	100
71) Bromoform	12.37	173	52909	18.430	ug/l #	98
73) Isopropylbenzene	12.48	105	421731	19.524	ug/l	100
74) N-amyl acetate	12.29	43	91538	18.671	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	70816	19.825	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	55604m	22.513	ug/l	
77) Bromobenzene	12.77	156	106985	20.056	ug/l	96
78) n-propylbenzene	12.83	91	491400	19.717	ug/l	99
79) 2-Chlorotoluene	12.91	91	271368	19.788	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	344471	19.514	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22519	19.881	ug/l	95
82) 4-Chlorotoluene	13.01	91	281641	19.397	ug/l	100
83) tert-Butylbenzene	13.23	119	301118	19.621	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	342537	19.298	ug/l	99
85) sec-Butylbenzene	13.41	105	407796	19.361	ug/l	99
86) p-Isopropyltoluene	13.53	119	381861	19.203	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	194361	19.197	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	189039	18.912	ug/l	97
89) n-Butylbenzene	13.85	91	349144	19.335	ug/l	100
90) Hexachloroethane	14.12	117	73355	19.723	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	168097	19.428	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11074	17.938	ug/l	97

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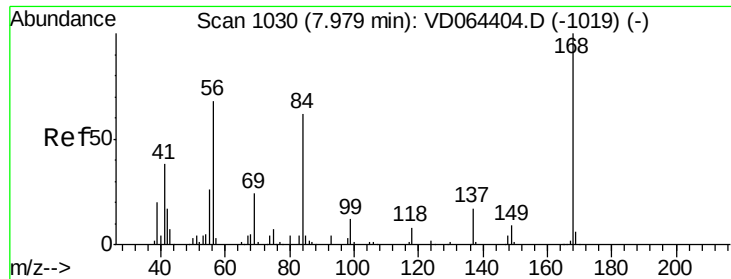
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123740	18.674	ug/l	99
94) Hexachlorobutadiene	15.28	225	74514	18.215	ug/l	98
95) Naphthalene	15.41	128	208245	18.831	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105598	18.669	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBSD01

Tot Ion:168 Resp: 496541

Ion Ratio Lower Upper

168 100

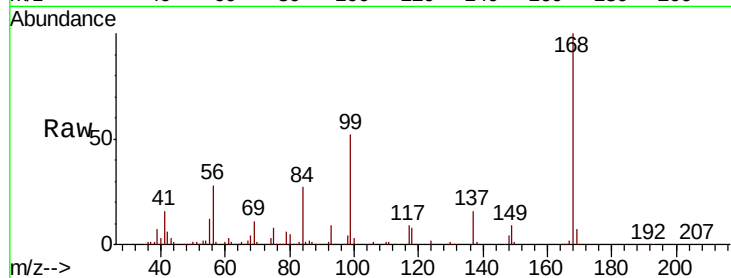
99 51.4 40.7 61.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

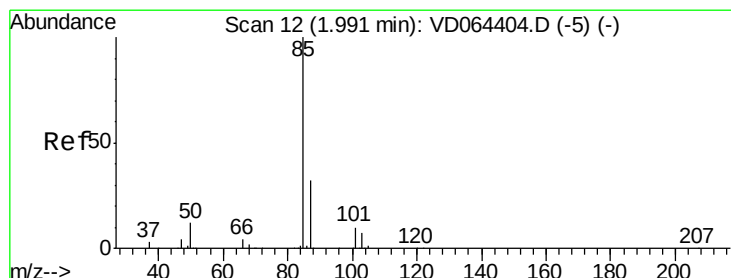
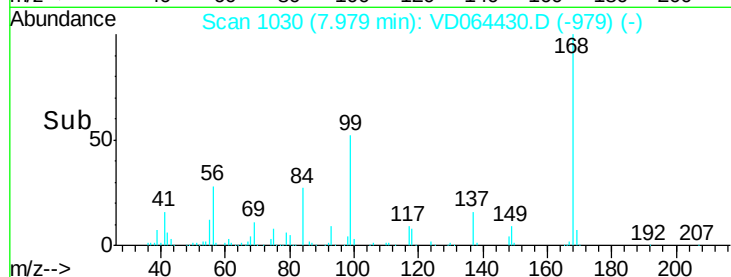
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.880 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064430.D

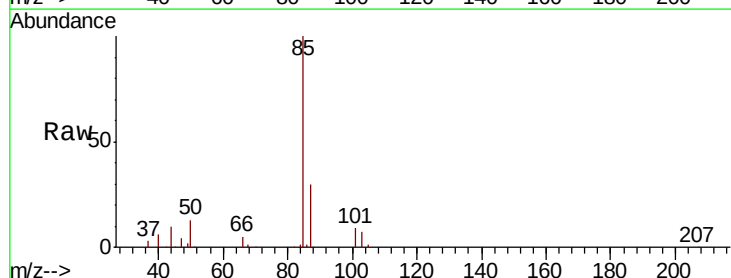
Acq: 05 Dec 2019 12:14

Tgt Ion: 85 Resp: 89441

Ion Ratio Lower Upper

85 100

87 30.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

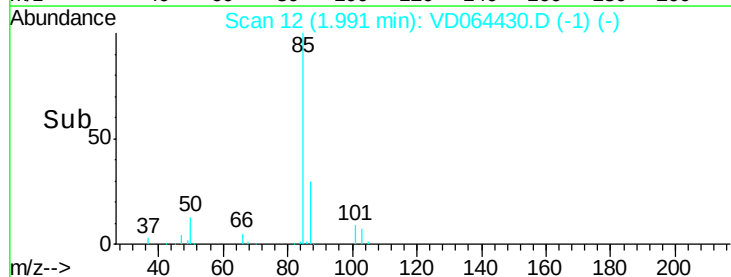
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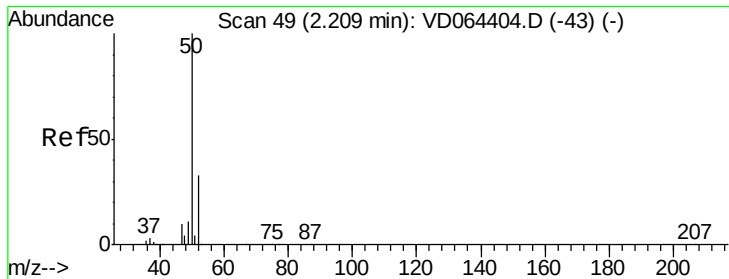
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.813 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 50 Resp: 112434

Ion Ratio Lower Upper

50 100

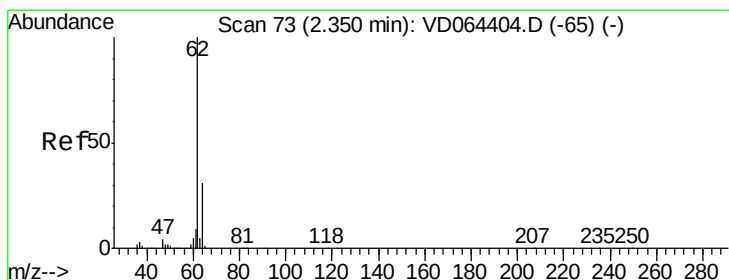
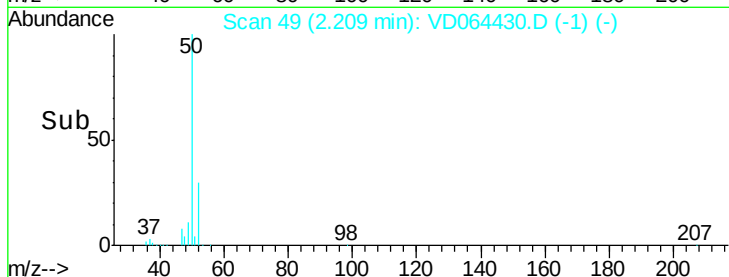
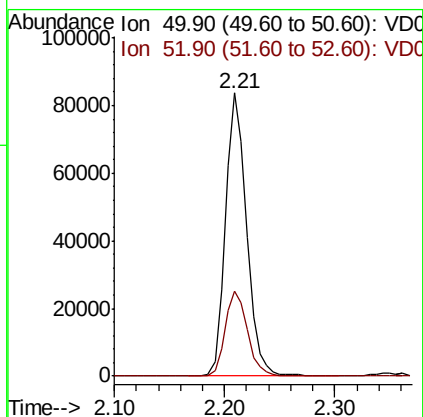
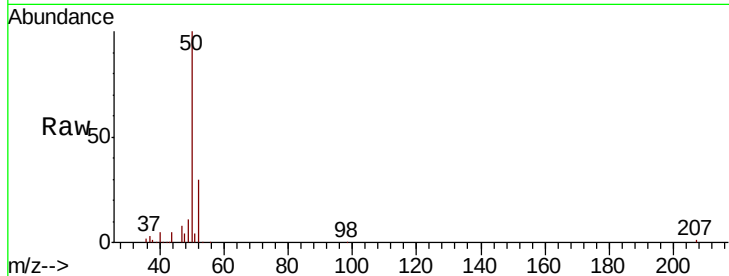
52 30.0 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.050 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064430.D

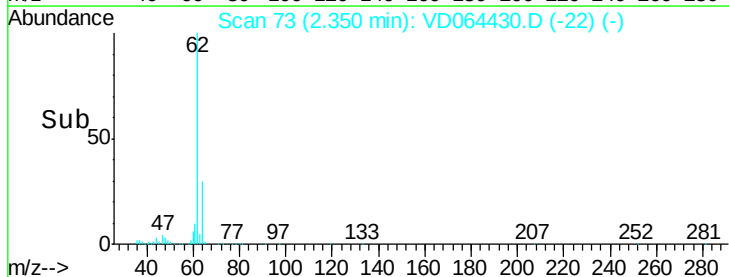
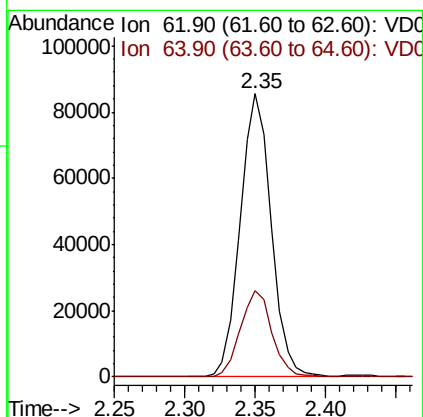
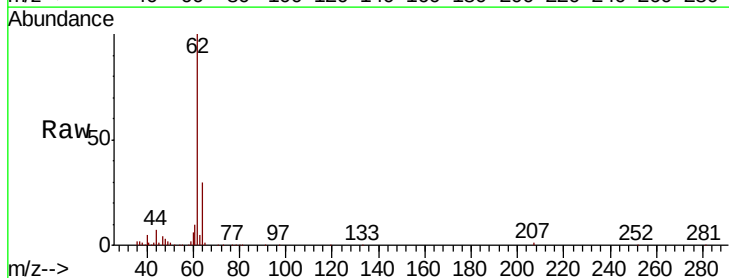
Acq: 05 Dec 2019 12:14

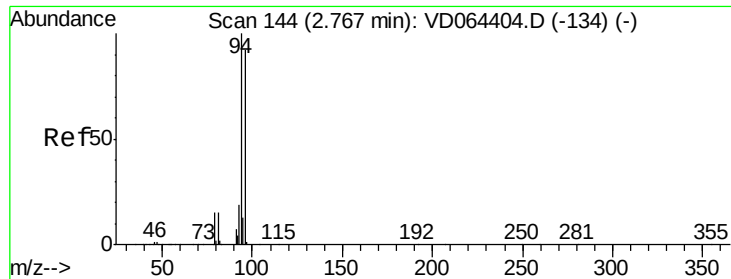
Tgt Ion: 62 Resp: 131366

Ion Ratio Lower Upper

62 100

64 30.3 25.0 37.4





#5

Bromomethane

Concen: 18.617 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 94 Resp: 90205

Ion Ratio Lower Upper

94 100

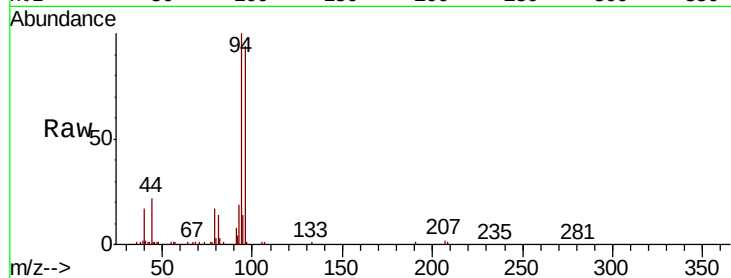
96 93.4 73.6 110.4

Manual Integrations

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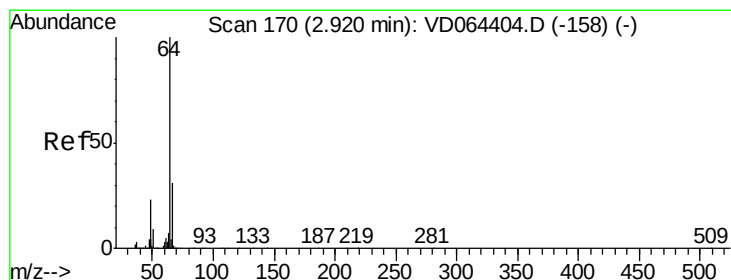
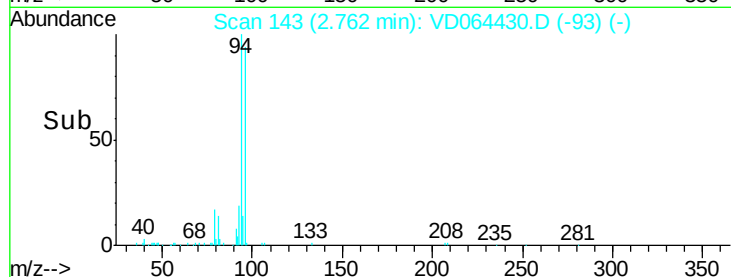
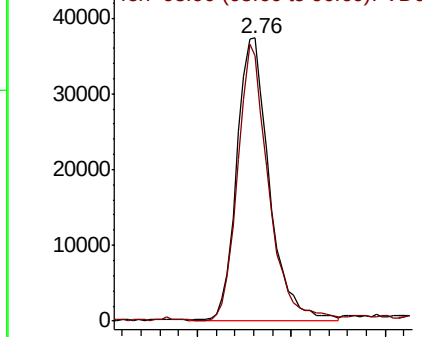
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.105 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064430.D

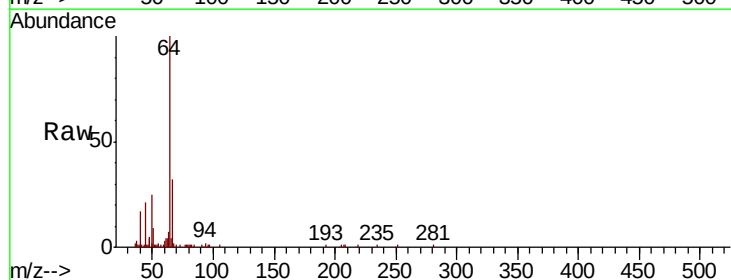
Acq: 05 Dec 2019 12:14

Tgt Ion: 64 Resp: 83668

Ion Ratio Lower Upper

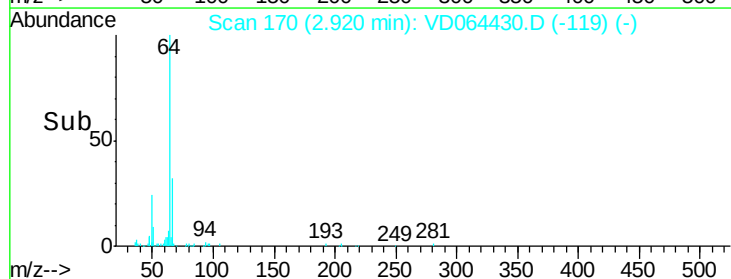
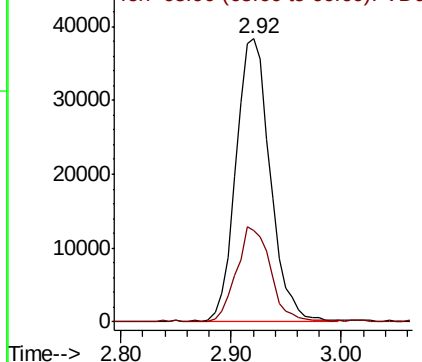
64 100

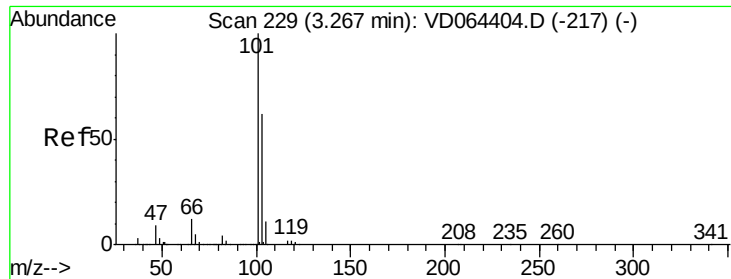
66 32.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

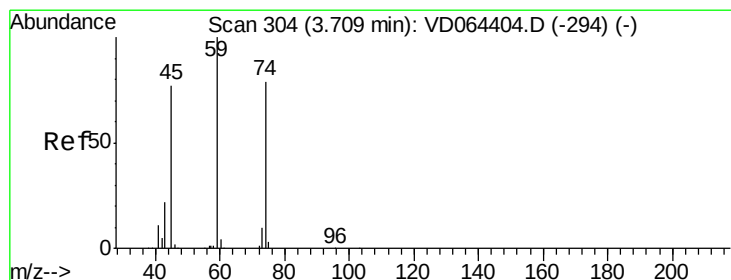
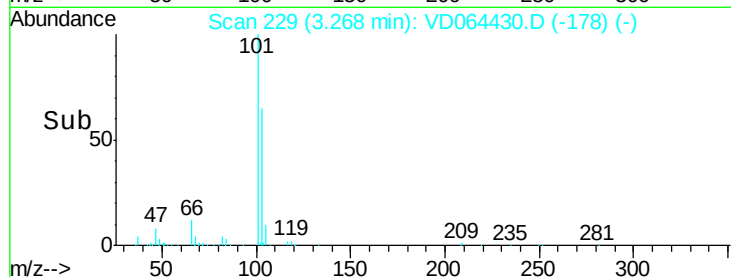
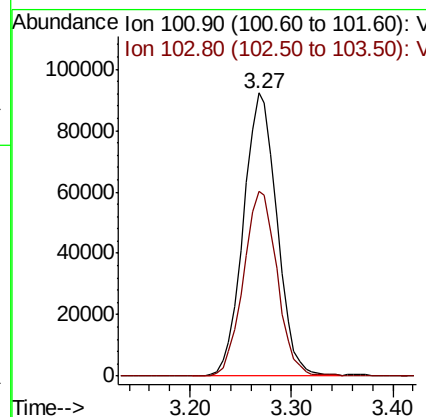
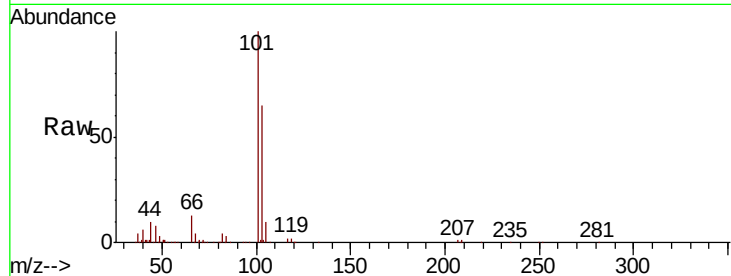
Trichlorofluoromethane
Concen: 19.509 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

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ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	49.8	74.6

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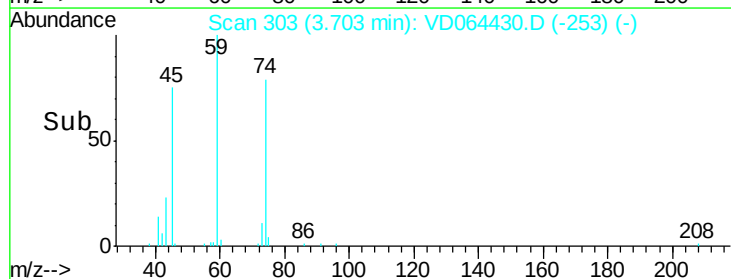
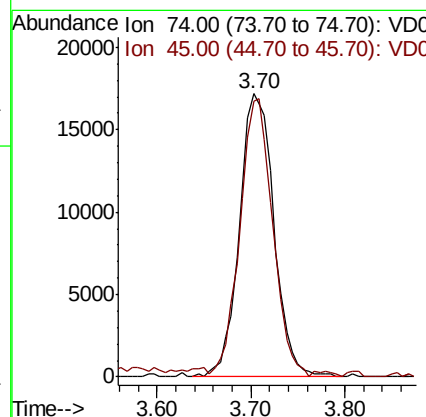
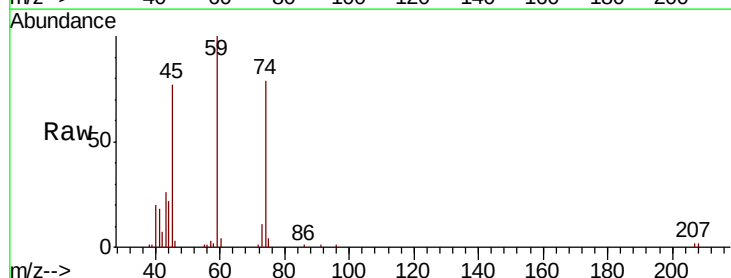
apatel
12/6/2019 12:59:16 PM

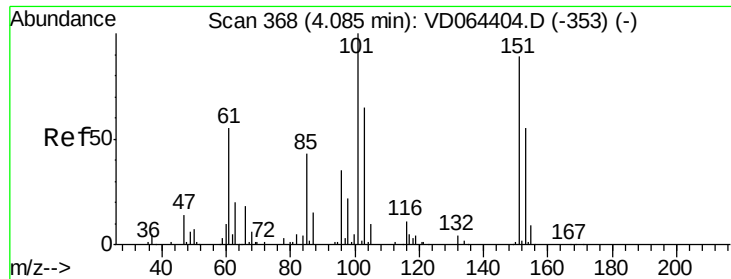


#8

Diethyl Ether
Concen: 19.327 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.684 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

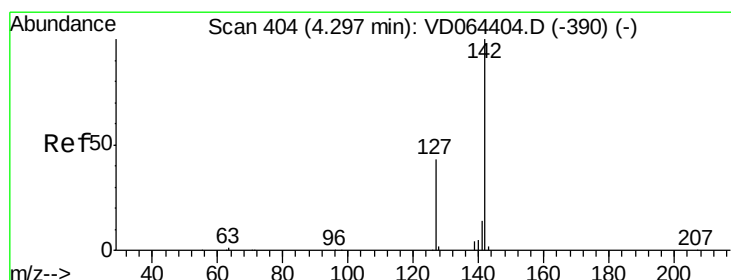
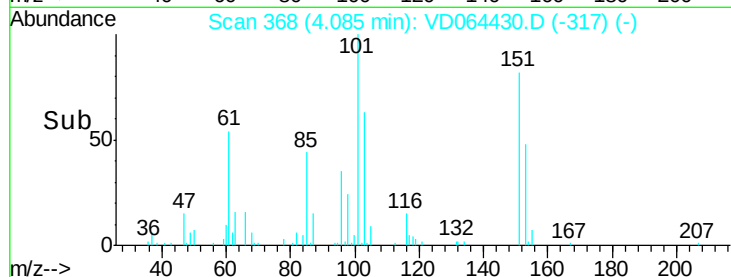
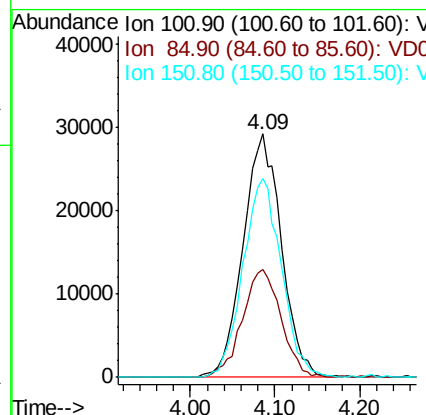
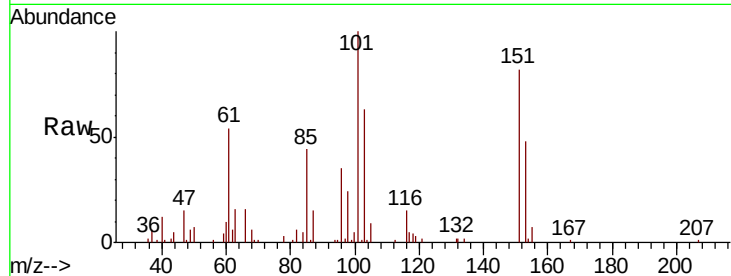
ClientSampleId :

VD1205SBS01

Tot Ion:	101	Resp:	91931
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.8	52.2
151	82.1	68.8	103.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.537 ug/l

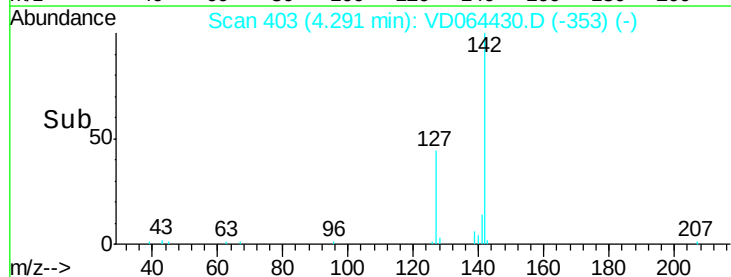
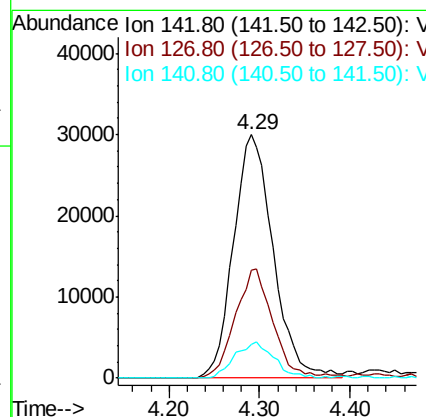
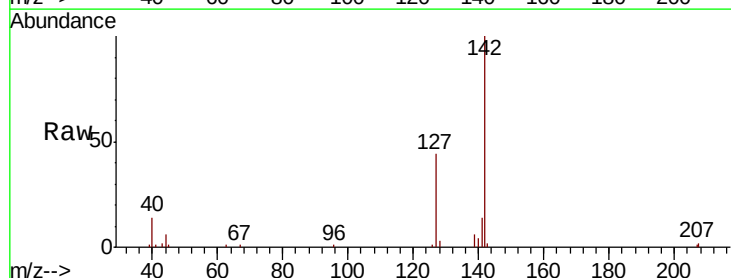
RT: 4.29 min Scan# 403

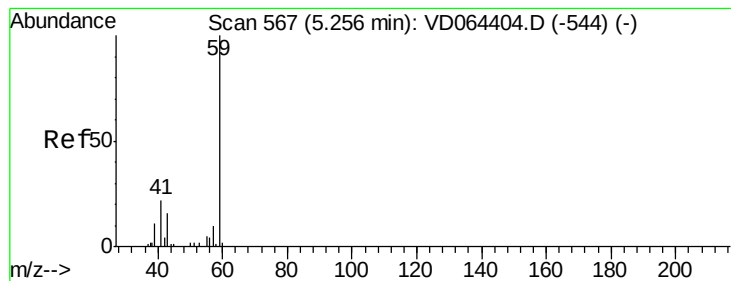
Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Tgt Ion:	142	Resp:	91425
Ion Ratio	Lower	Upper	
142	100		
127	42.0	35.3	52.9
141	14.6	11.6	17.4





#11

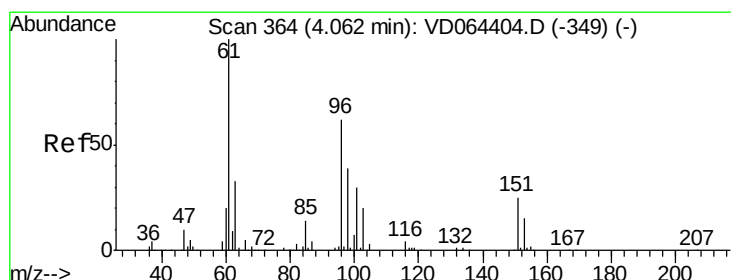
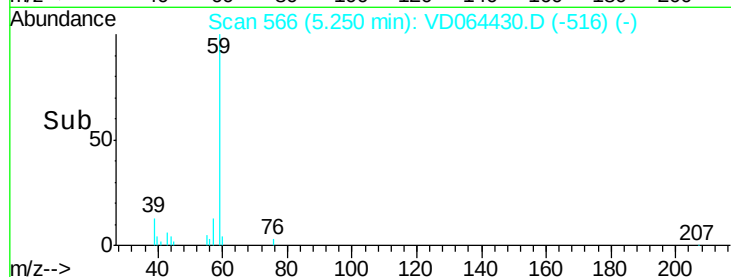
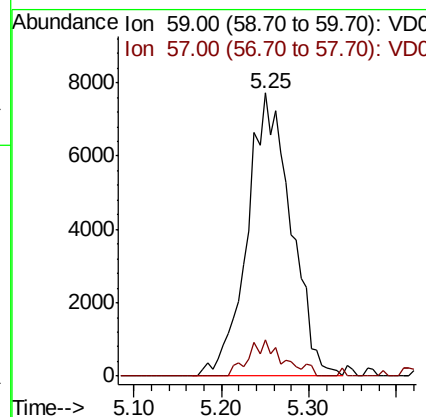
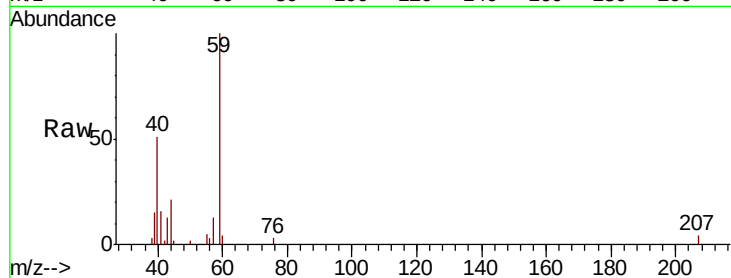
Tert butyl alcohol
 Concen: 92.016 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion: 59 Resp: 26325
 Ion Ratio Lower Upper
 59 100
 57 9.3 0.0 0.0#

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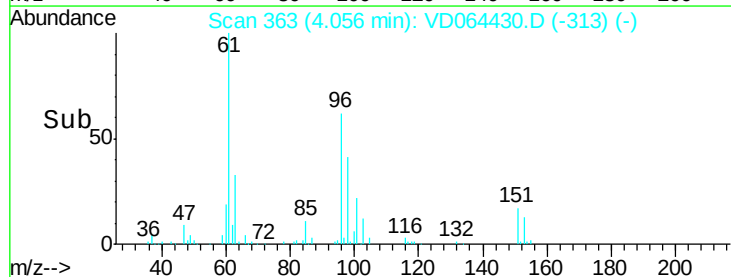
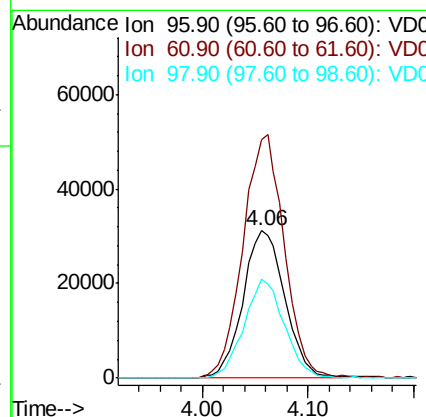
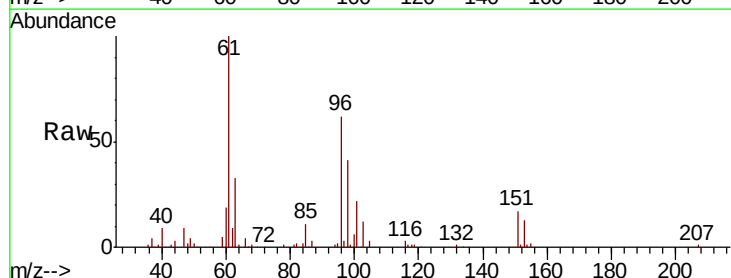
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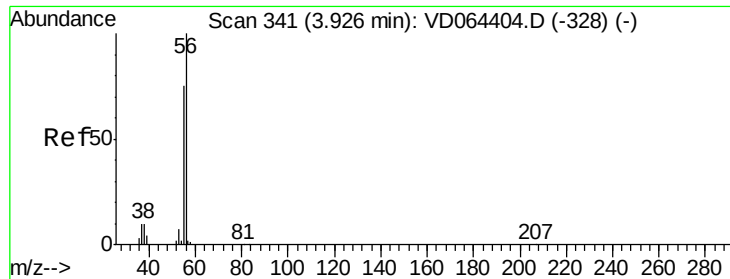


#12

1,1-Dichloroethene
 Concen: 19.186 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion: 96 Resp: 85866
 Ion Ratio Lower Upper
 96 100
 61 162.4 128.2 192.4
 98 67.0 50.4 75.6





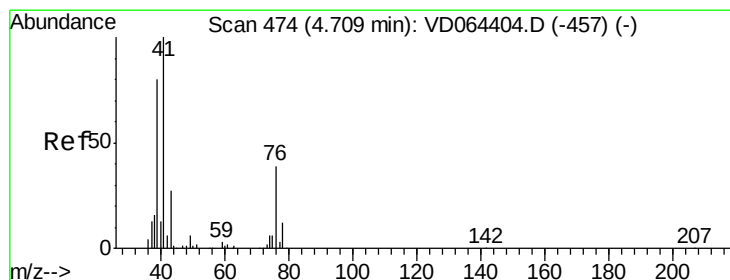
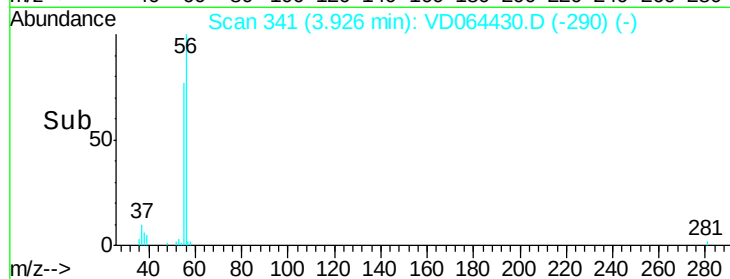
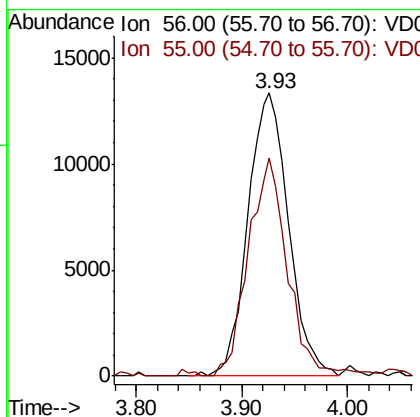
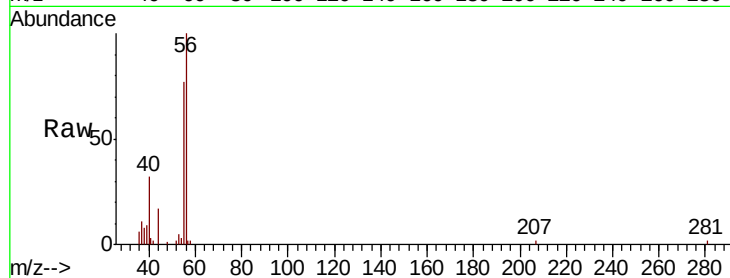
#13
Acrolein
Concen: 90.932 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

Tot Ion	56	Resp	35484
Ion Ratio	100	Lower	Upper
55	75.1	56.9	85.3

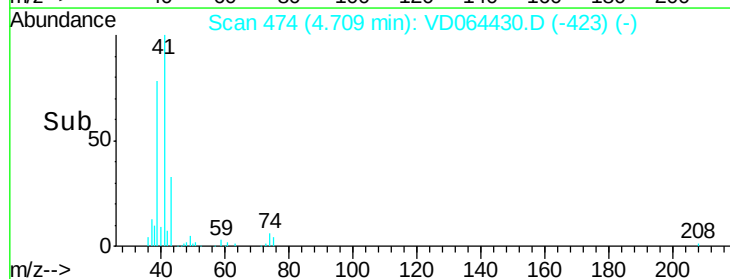
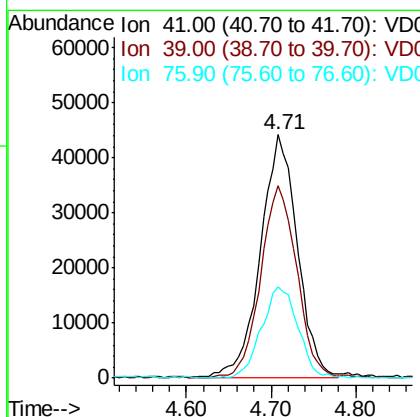
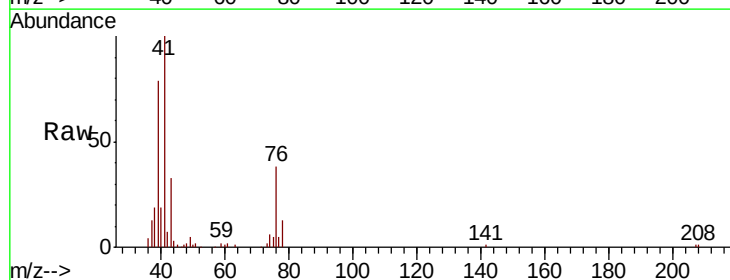
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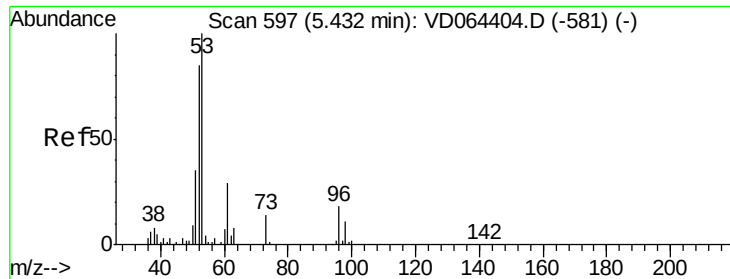
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#14
Allyl chloride
Concen: 19.293 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	41	Resp	134757
Ion Ratio	100	Lower	Upper
39	77.7	62.1	93.1
76	37.0	29.8	44.8





#15

Acrylonitrile

Concen: 93.750 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

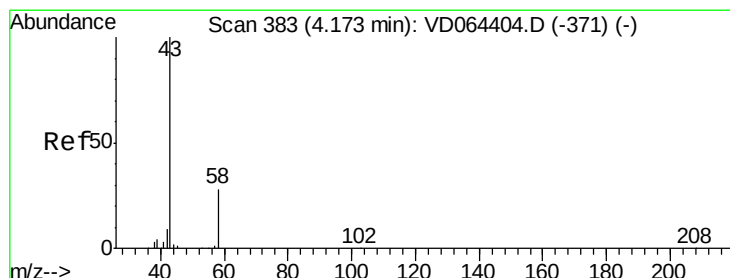
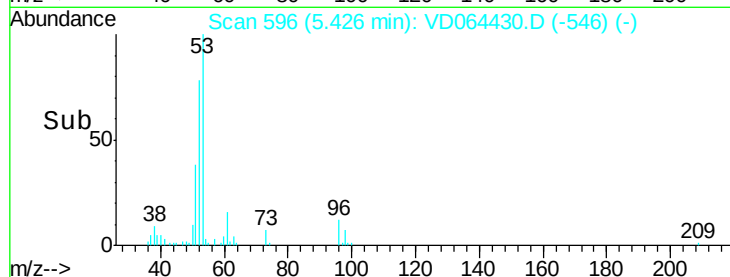
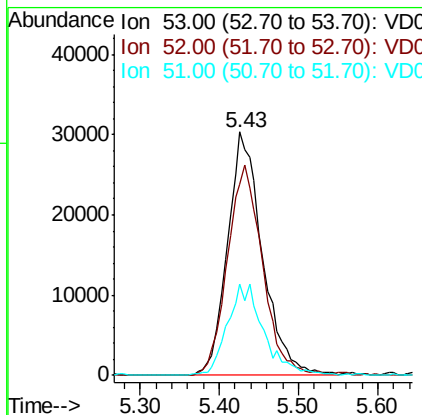
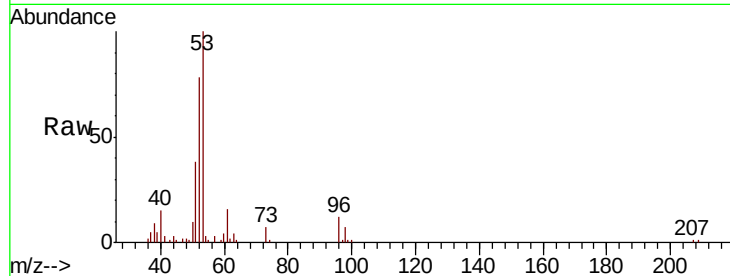
ClientSampleId :

VD1205SBS01

Tot Ion:	53	Resp:	92790
Ion	Ratio	Lower	Upper
53	100		
52	86.7	67.9	101.9
51	38.9	30.6	45.8

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#16

Acetone

Concen: 92.940 ug/l

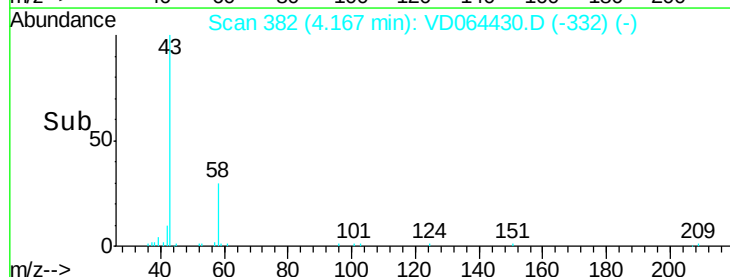
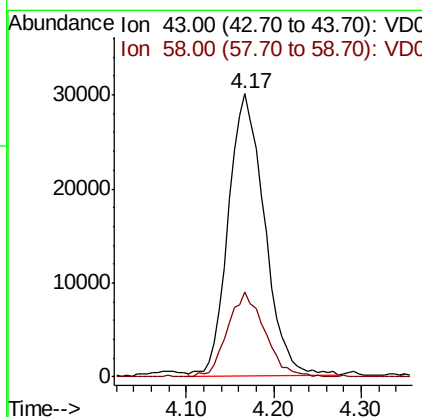
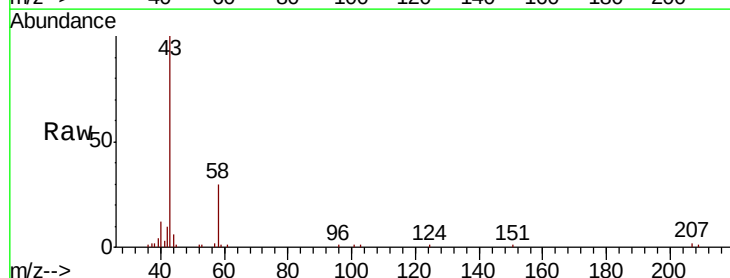
RT: 4.17 min Scan# 382

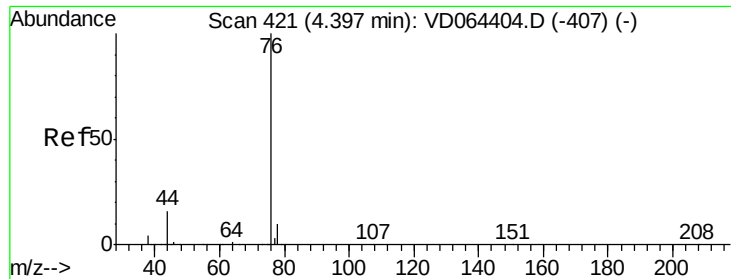
Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Tgt Ion:	43	Resp:	84411
Ion	Ratio	Lower	Upper
43	100		
58	30.1	22.6	33.8





#17

Carbon Disulfide

Concen: 19.496 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 76 Resp: 276356

Ion Ratio Lower Upper

76 100

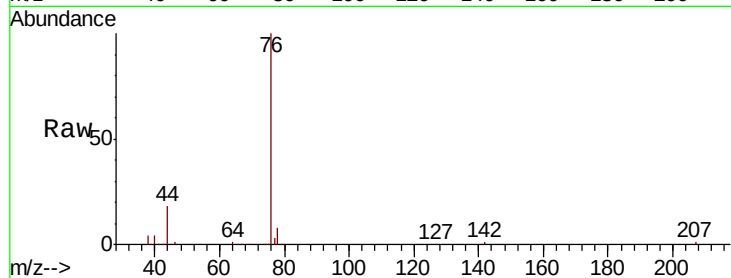
78 8.4 7.8 11.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

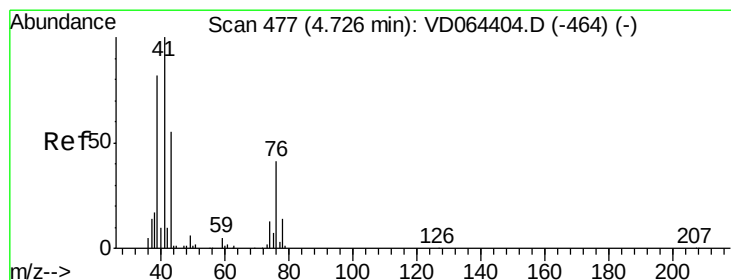
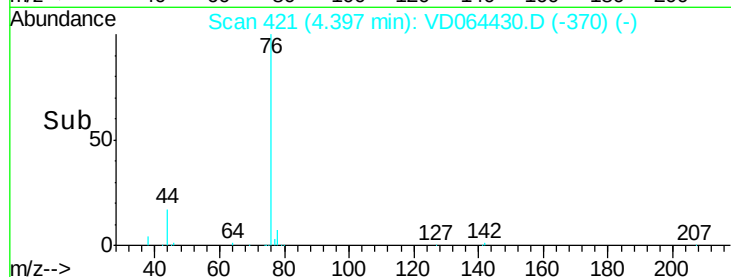
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.545 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064430.D

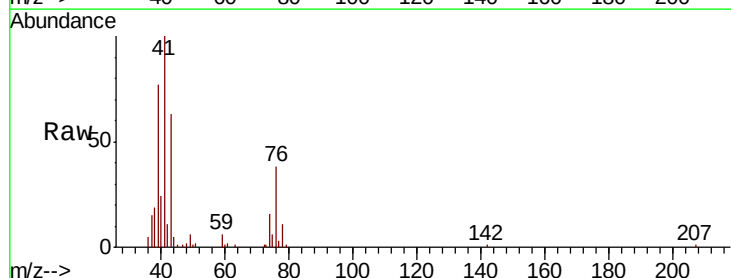
Acq: 05 Dec 2019 12:14

Tgt Ion: 43 Resp: 59726

Ion Ratio Lower Upper

43 100

74 23.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

20000

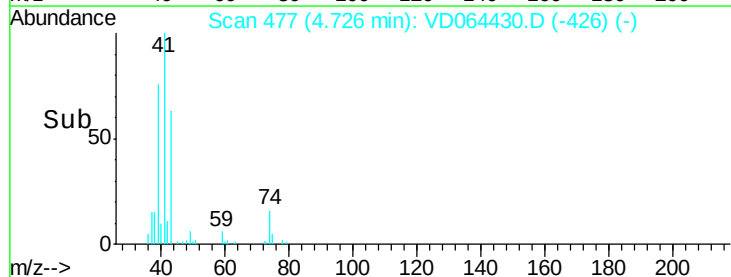
15000

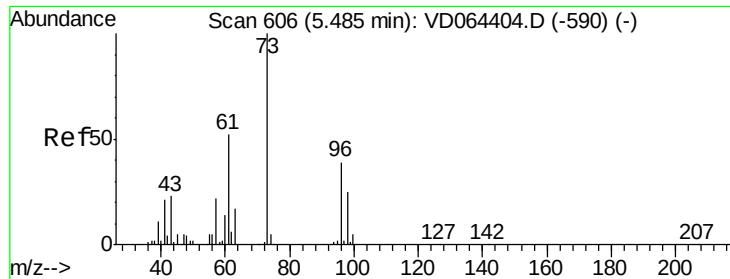
10000

5000

0

Time-->





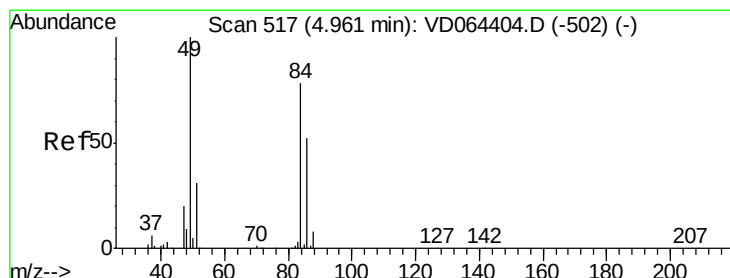
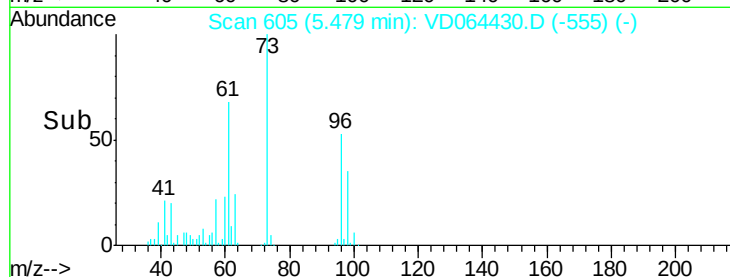
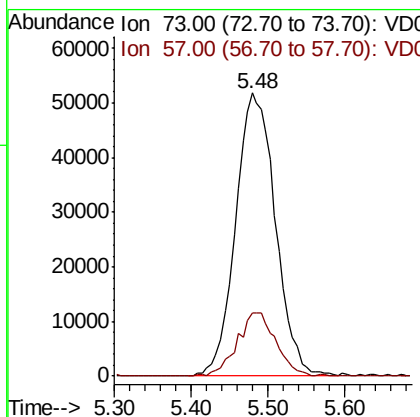
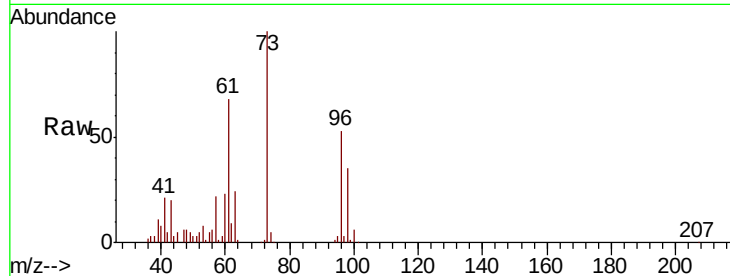
#19
Methyl tert-butyl Ether
Concen: 18.219 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion: 73 Resp: 187041
Ion Ratio Lower Upper
73 100
57 22.5 17.6 26.4

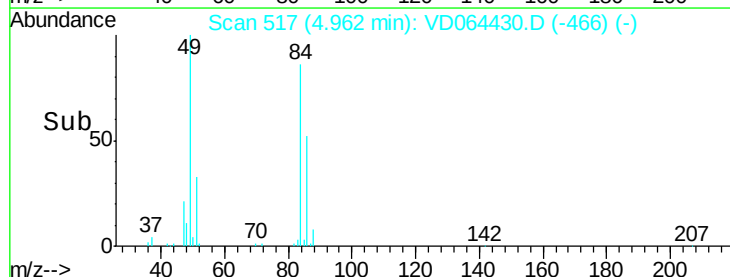
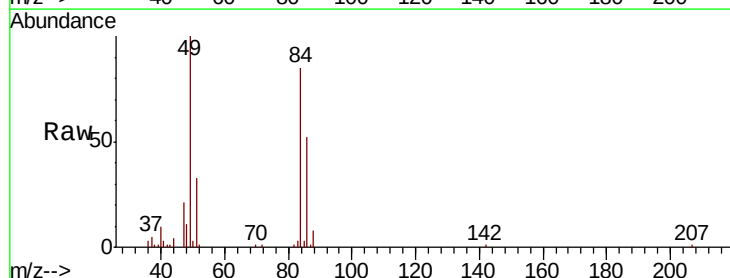
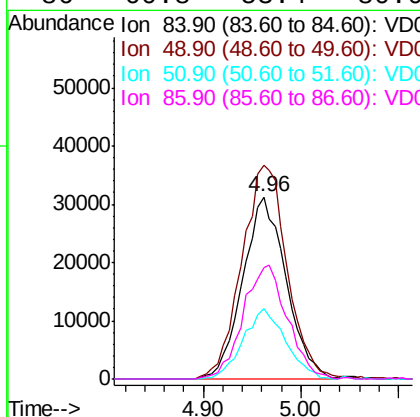
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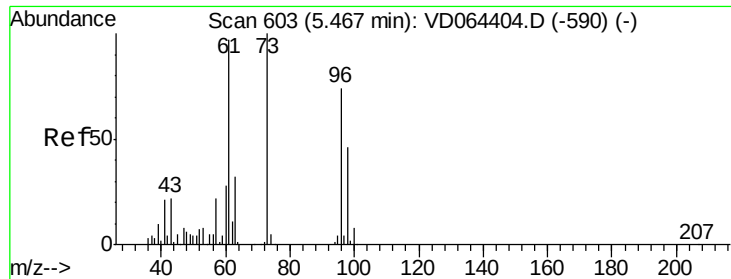
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#20
Methylene Chloride
Concen: 18.176 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion: 84 Resp: 96941
Ion Ratio Lower Upper
84 100
49 117.3 102.6 153.8
51 39.0 32.0 48.0
86 60.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 19.195 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

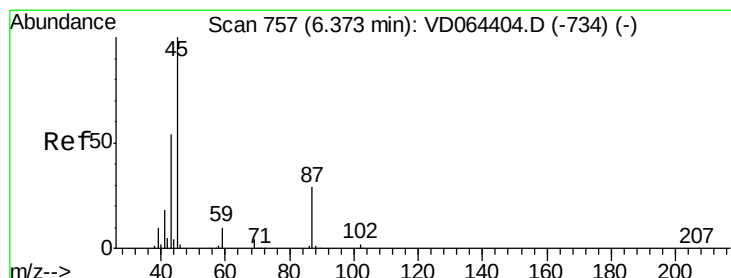
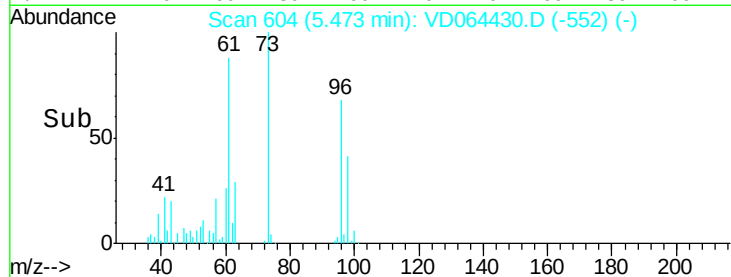
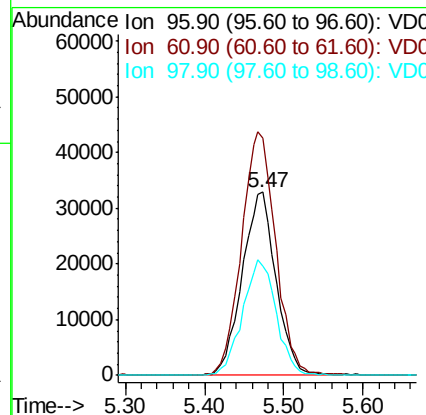
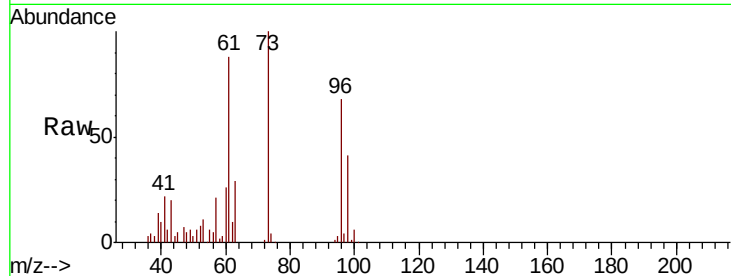
ClientSampleId :

VD1205SBSD01

Tot Ion:	96	Resp:	97177
Ion	Ratio	Lower	Upper
96	100		
61	129.7	105.8	158.6
98	60.0	50.1	75.1

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#22

Diisopropyl ether

Concen: 18.563 ug/l

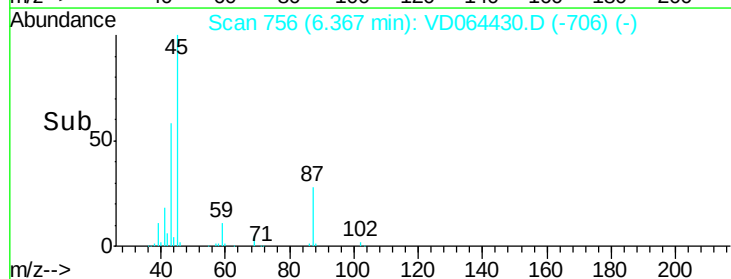
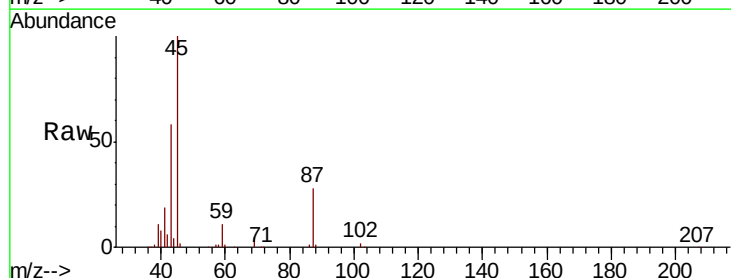
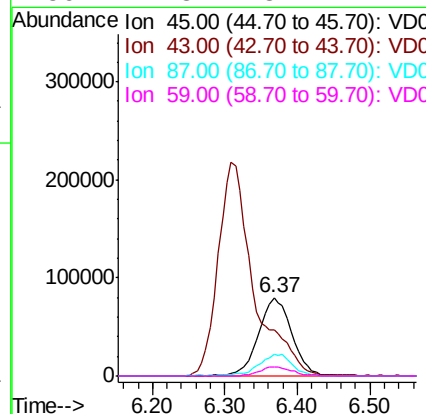
RT: 6.37 min Scan# 756

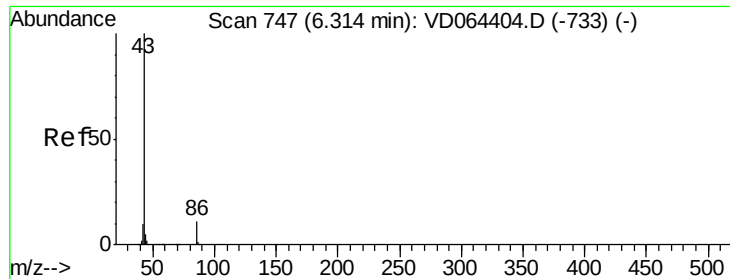
Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Tgt Ion:	45	Resp:	255962
Ion	Ratio	Lower	Upper
45	100		
43	57.5	43.1	64.7
87	27.5	23.5	35.3
59	11.3	8.2	12.2





#23

Vinyl Acetate

Concen: 91.653 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 43 Resp: 745039

Ion Ratio Lower Upper

43 100

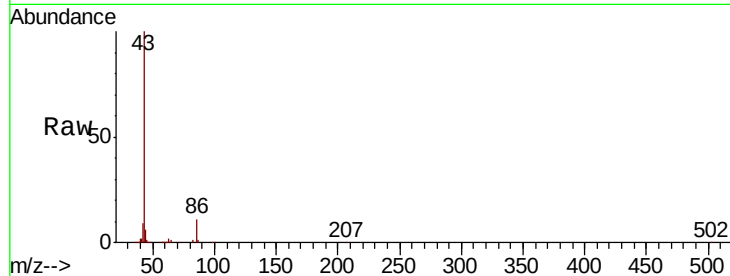
86 11.0 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

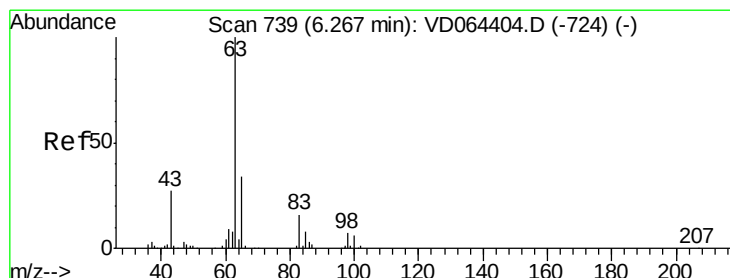
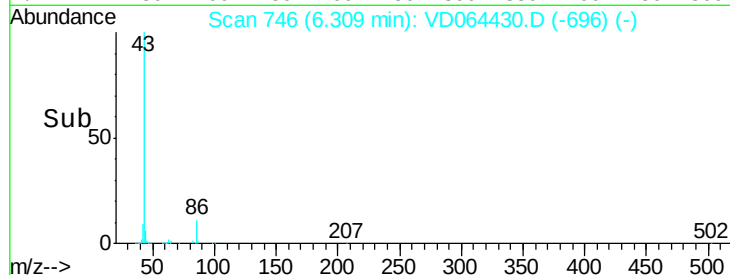
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.233 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

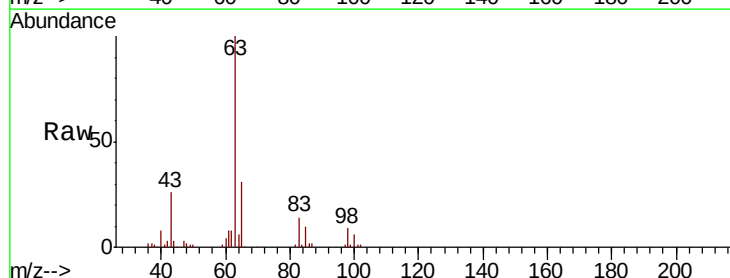
Tgt Ion: 63 Resp: 159485

Ion Ratio Lower Upper

63 100

98 8.7 3.6 10.9

100 5.6 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

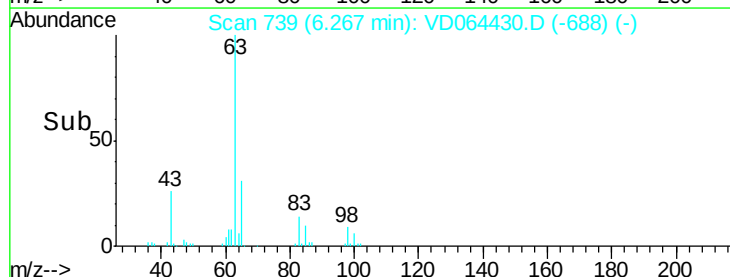
40000

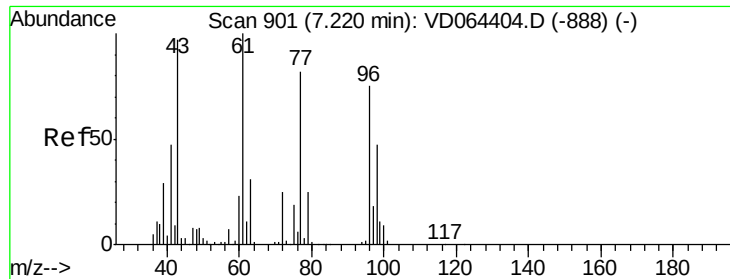
20000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 93.835 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBSD01

Tot Ion: 43 Resp: 120525

Ion Ratio Lower Upper

43 100

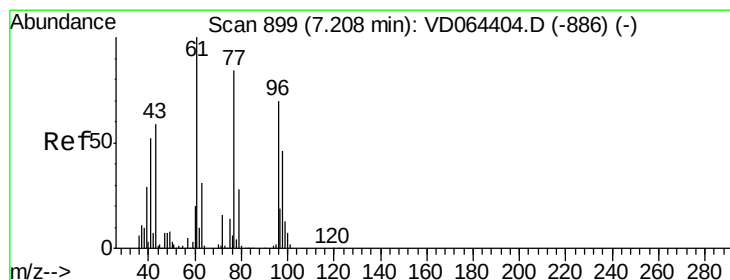
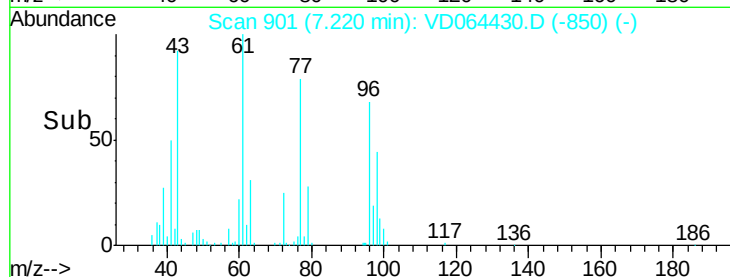
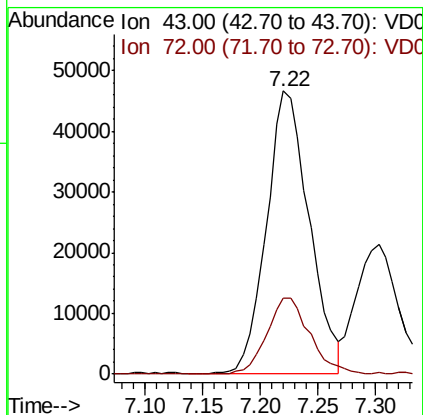
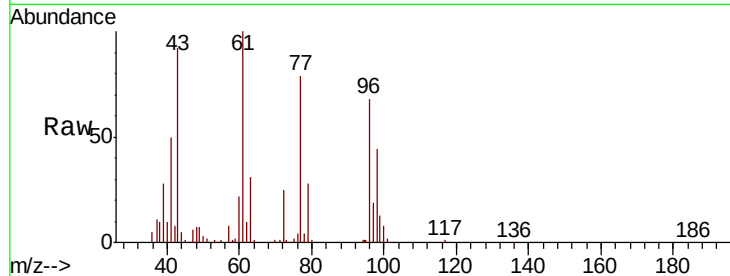
72 26.8 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 19.665 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064430.D

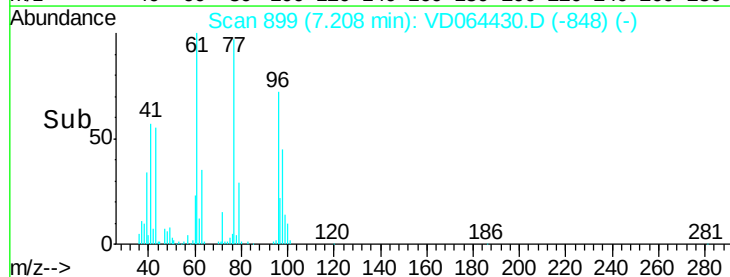
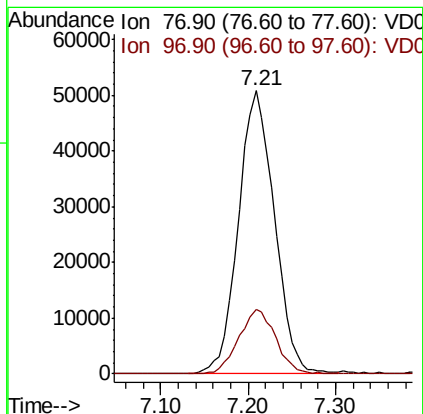
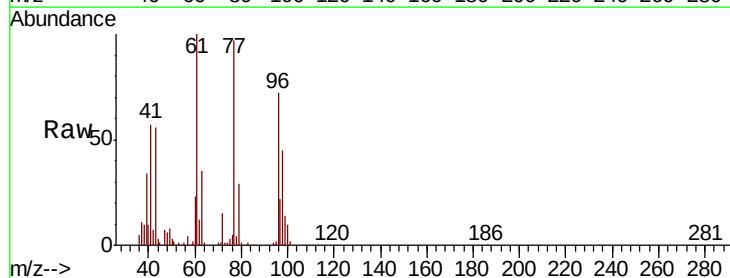
Acq: 05 Dec 2019 12:14

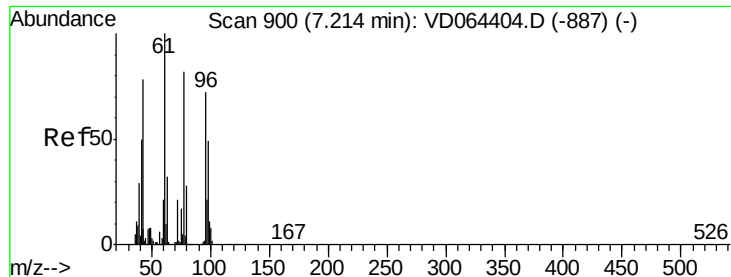
Tgt Ion: 77 Resp: 141813

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.7





#27

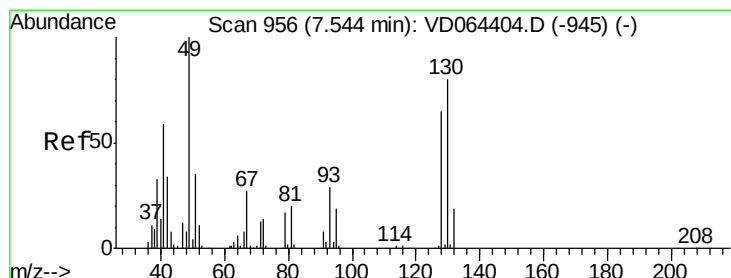
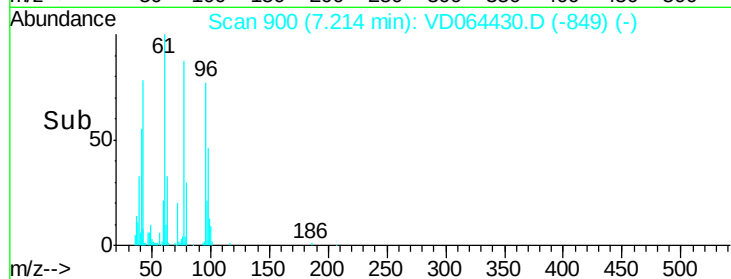
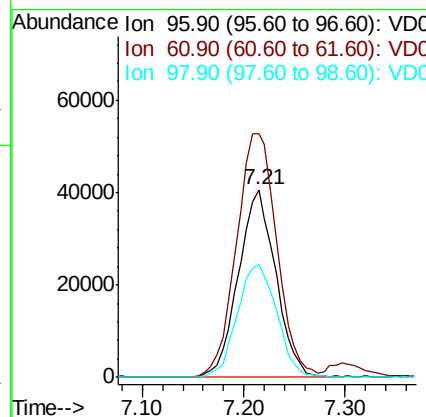
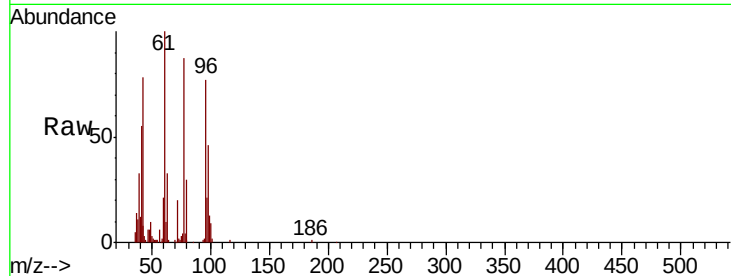
cis-1,2-Dichloroethene
 Concen: 18.840 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.4	0.0	279.6	
98	63.7	0.0	129.2	

Manual Integrations
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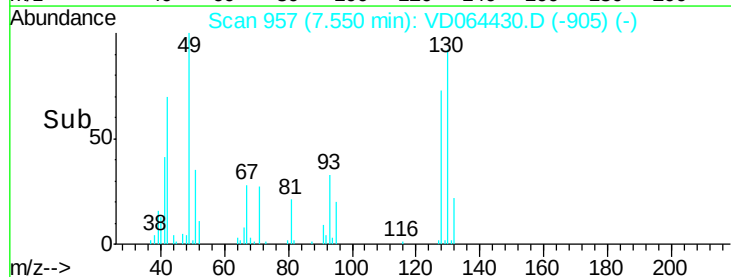
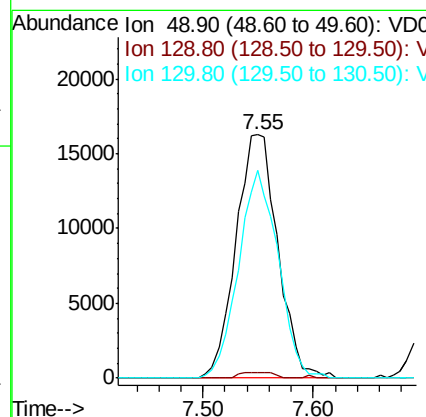
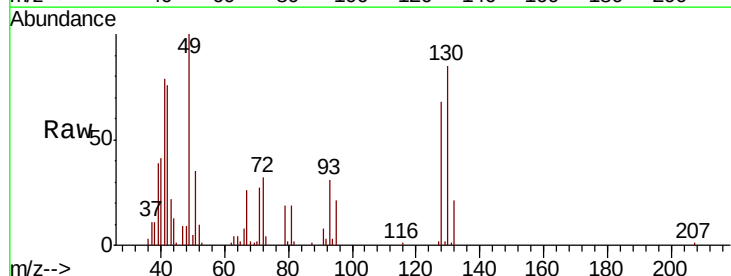
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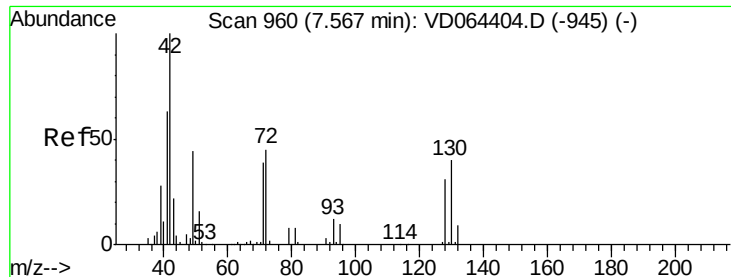


#28

Bromochloromethane
 Concen: 15.254 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.4	
130	81.2	67.4	101.0	





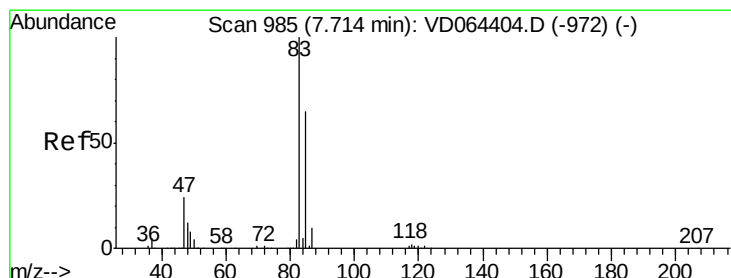
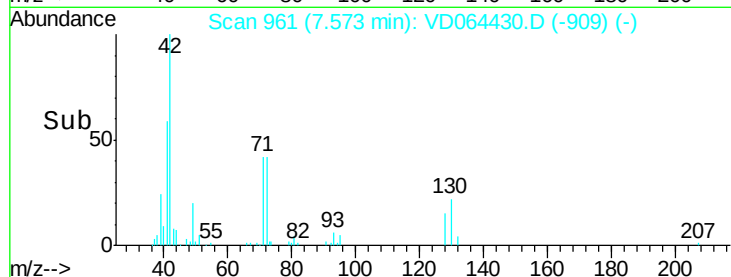
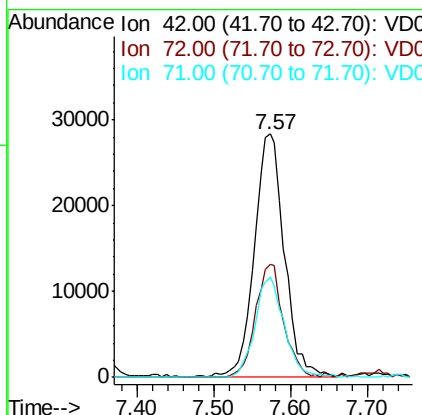
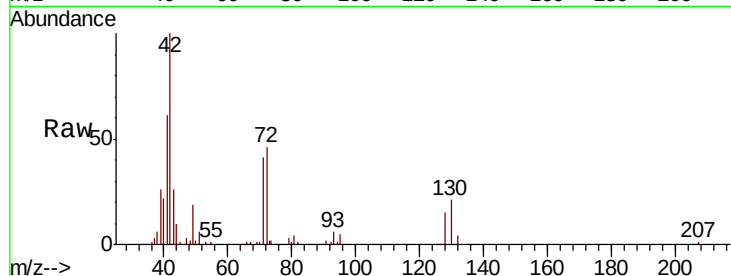
#29
Tetrahydrofuran
Concen: 94.897 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	35.8	53.8
71	40.0	32.7	49.1

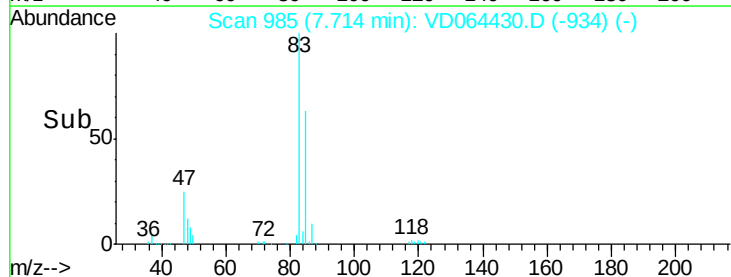
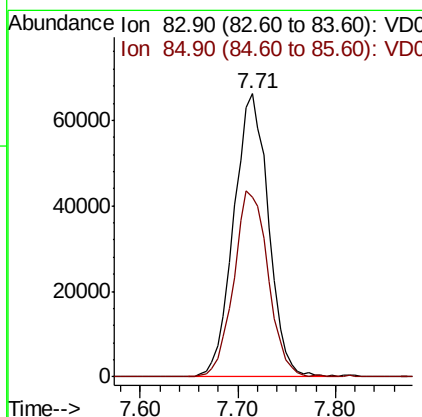
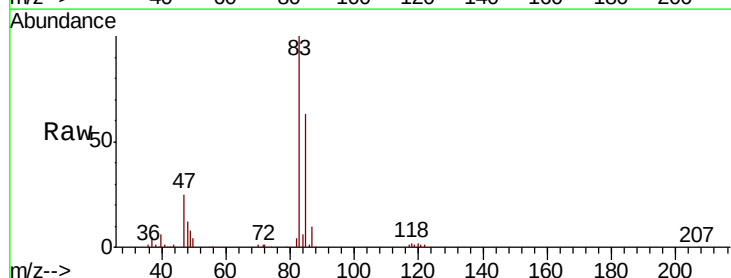
Manual Integrations
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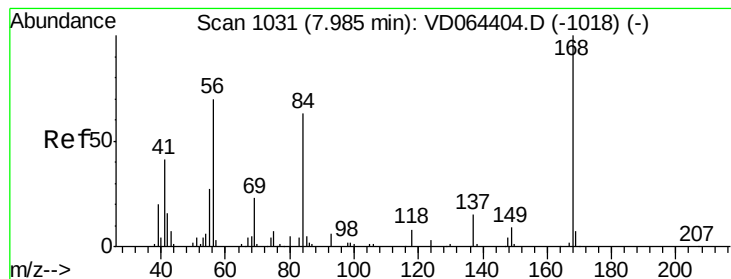
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#30
Chloroform
Concen: 19.171 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.6





#31

Cyclohexane

Concen: 19.368 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleID :

VD1205SBS01

Tot Ion: 56 Resp: 160566

Ion Ratio Lower Upper

56 100

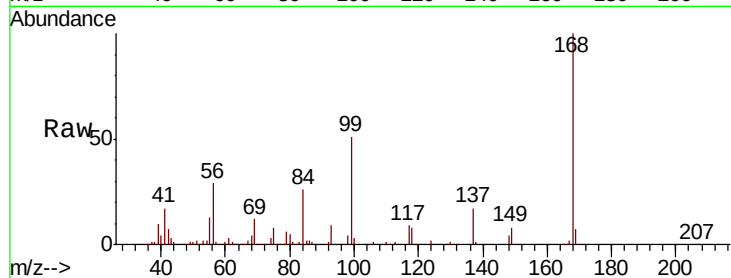
69 41.2 26.2 39.4#

84 89.0 70.3 105.5

Manual Integrations
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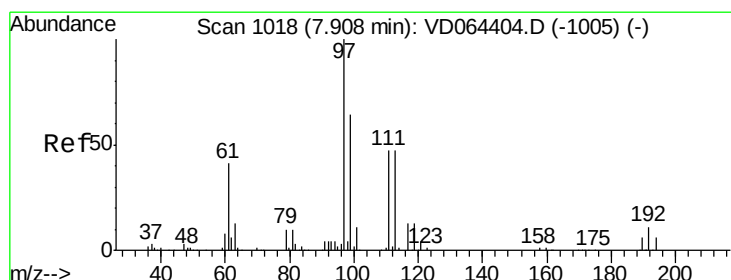
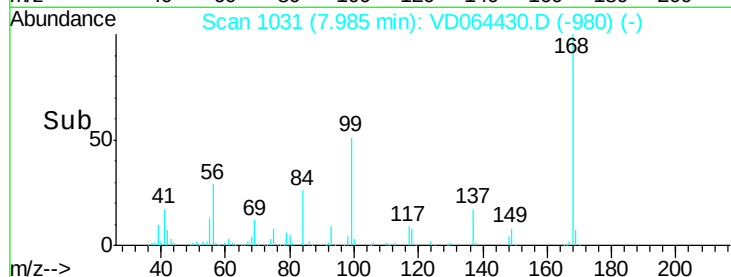
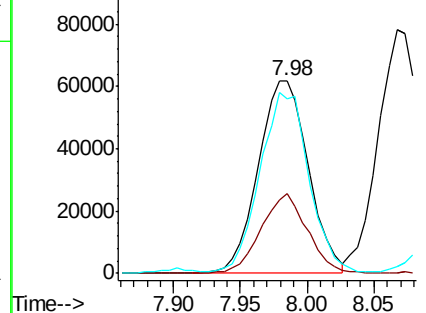
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 19.121 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

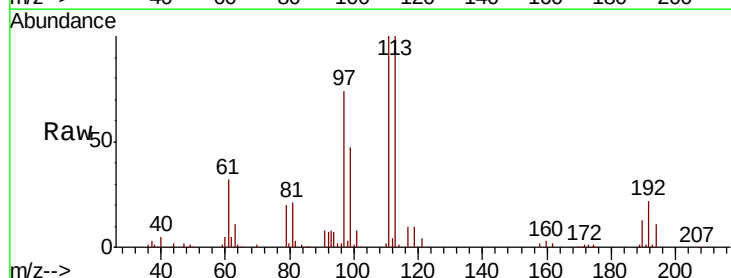
Tgt Ion: 97 Resp: 152239

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.2

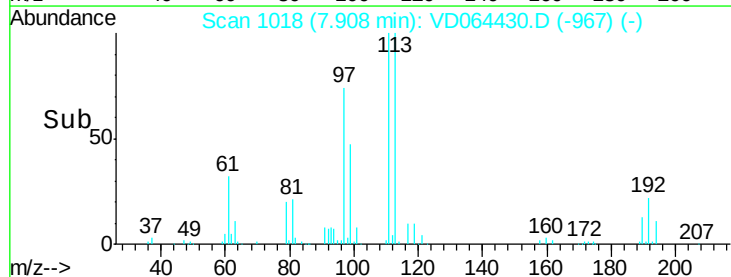
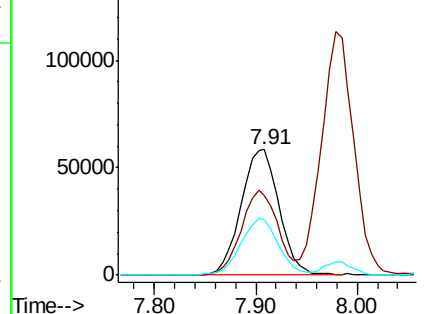
61 44.5 35.0 52.4

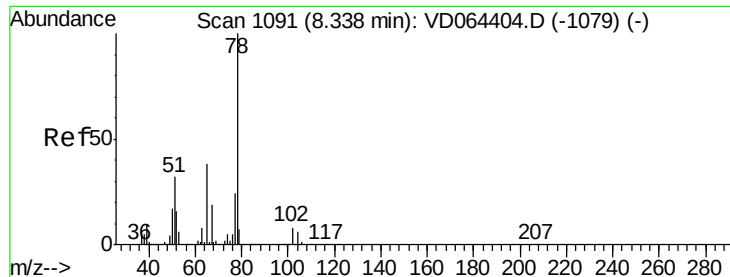


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





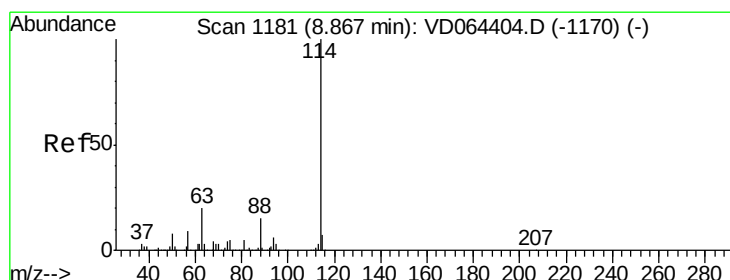
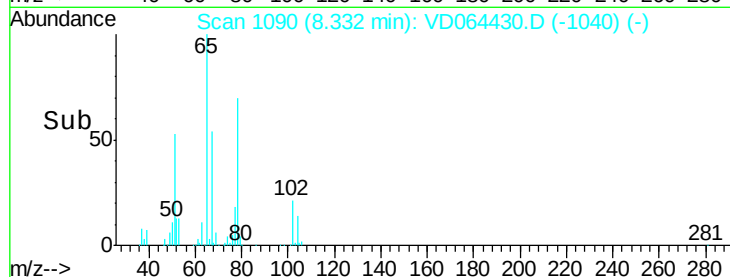
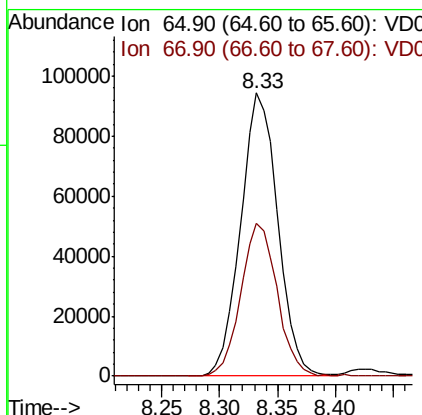
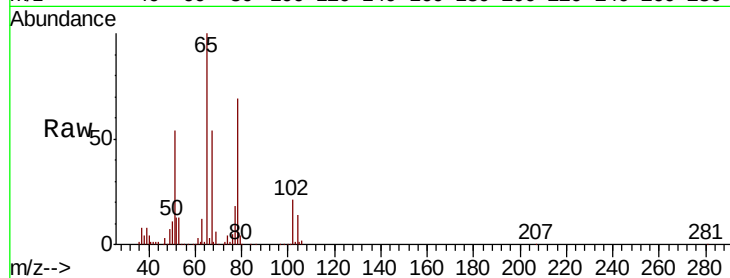
#33
 1,2-Dichloroethane-d4
 Concen: 47.111 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	102.0

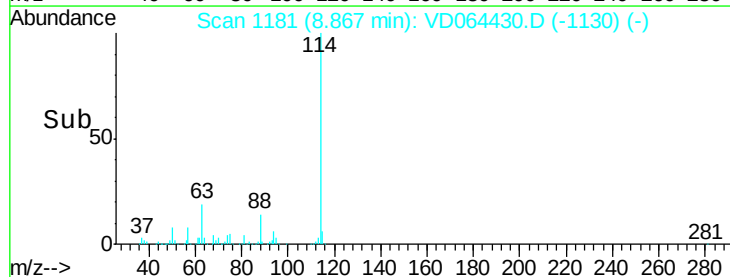
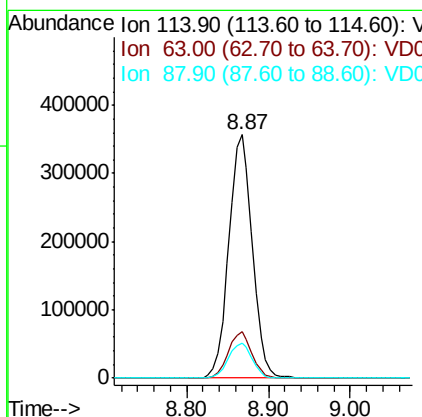
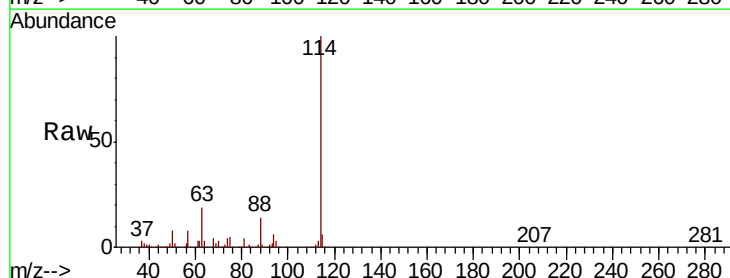
Manual Integrations
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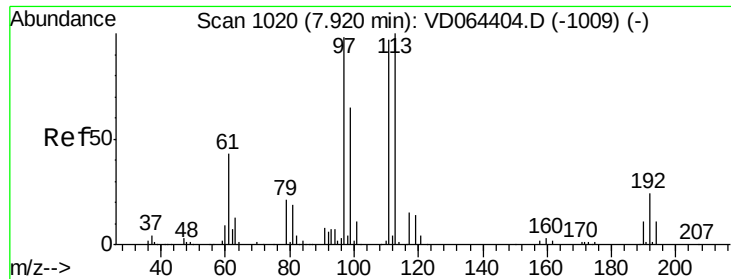
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	40.0
88	14.1	0.0	29.2





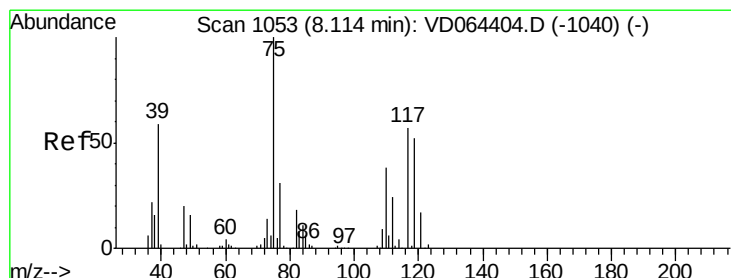
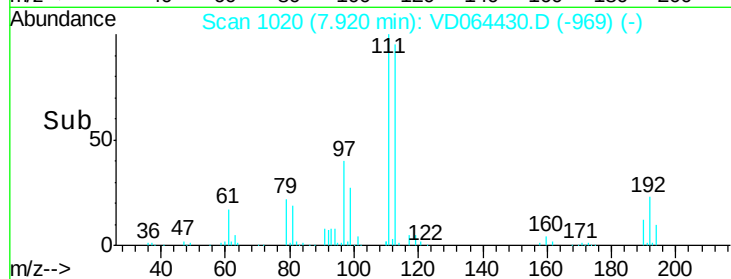
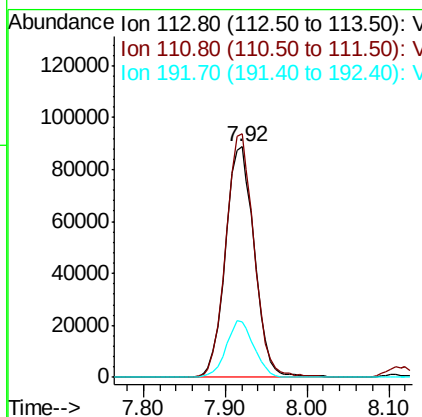
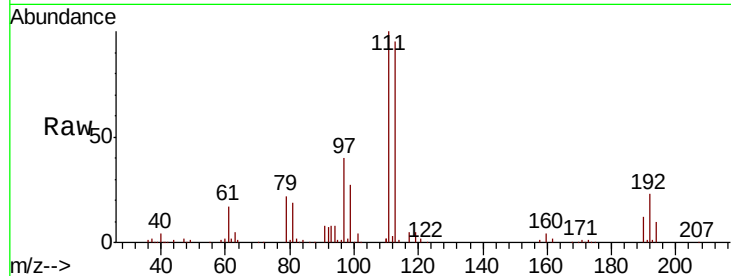
#35
 Dibromofluoromethane
 Concen: 48.594 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	79.4	119.2
192	23.5	18.6	28.0

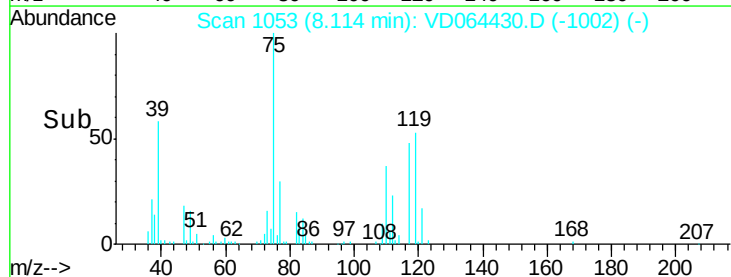
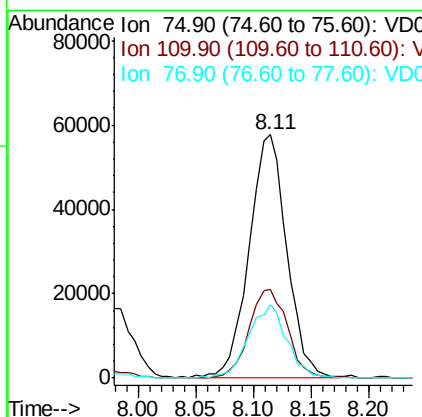
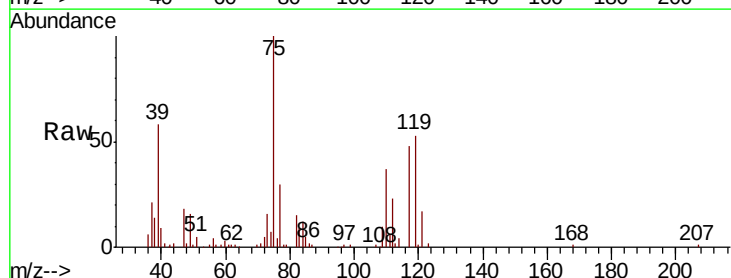
Manual Integrations
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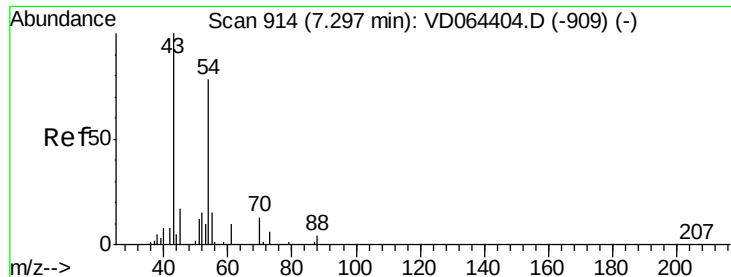
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#36
 1,1-Dichloropropene
 Concen: 19.274 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.6	55.8
77	31.2	25.0	37.4





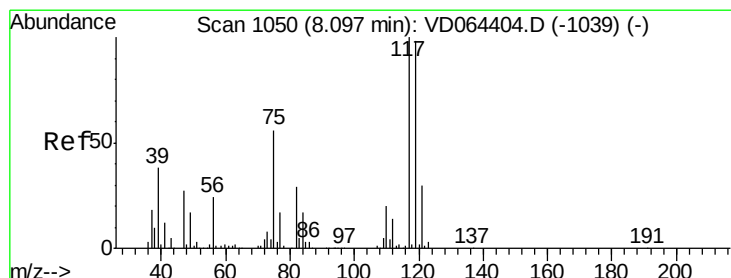
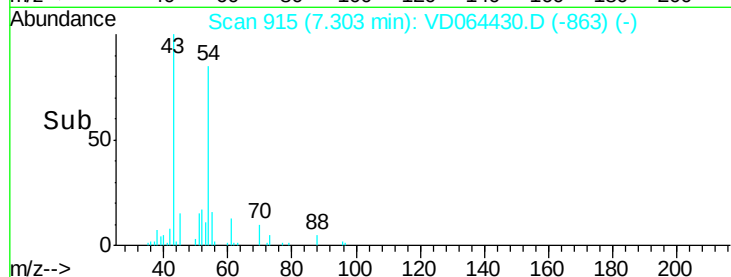
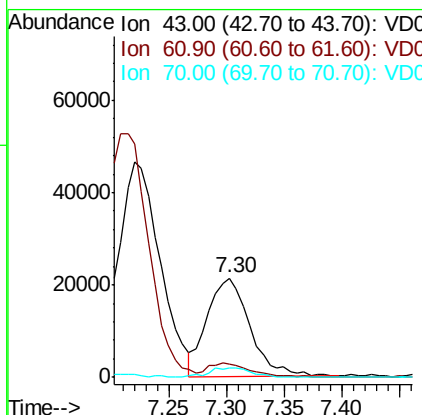
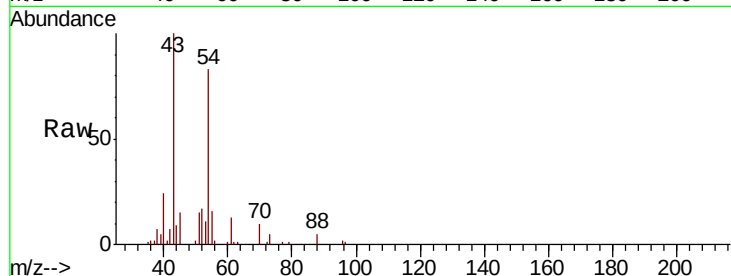
#37
Ethyl Acetate
Concen: 19.149 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	10.1	8.3	12.5

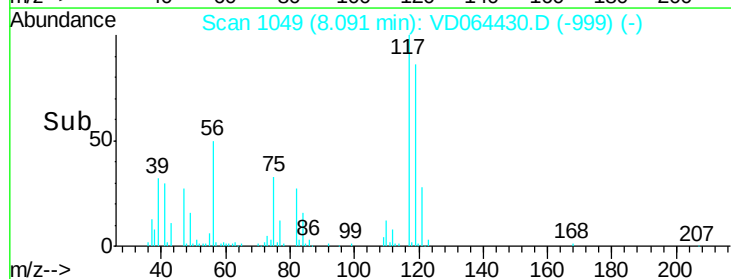
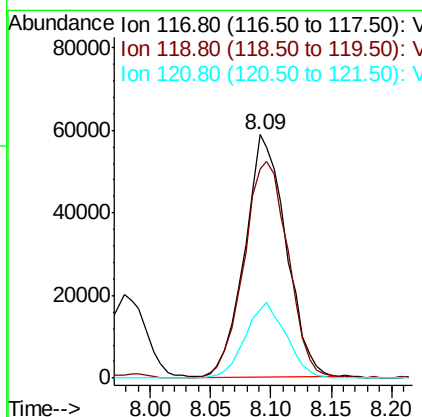
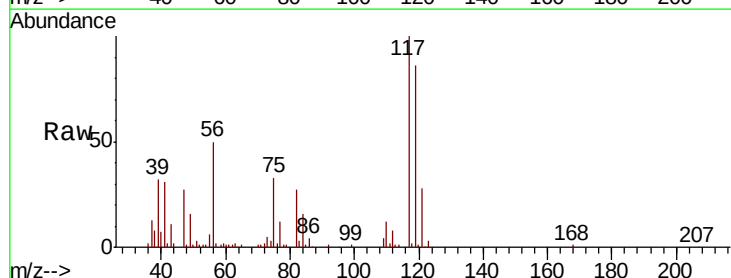
Manual Integrations
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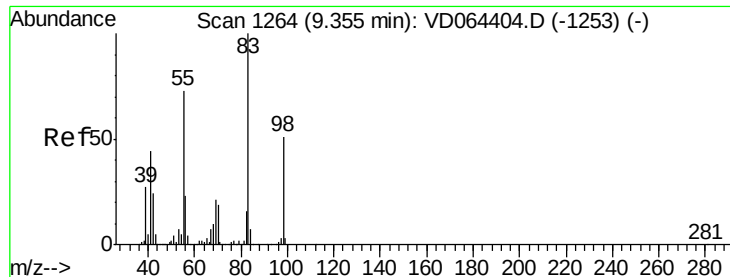
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#38
Carbon Tetrachloride
Concen: 19.605 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.3	78.8	118.2
121	28.3	24.2	36.2





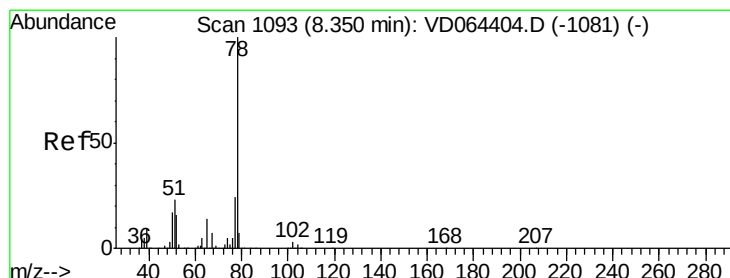
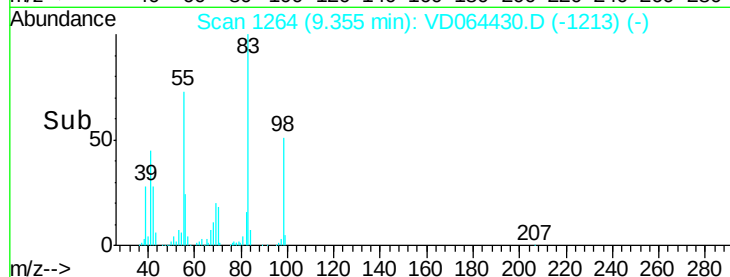
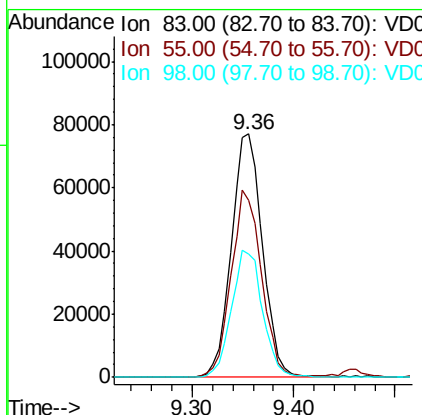
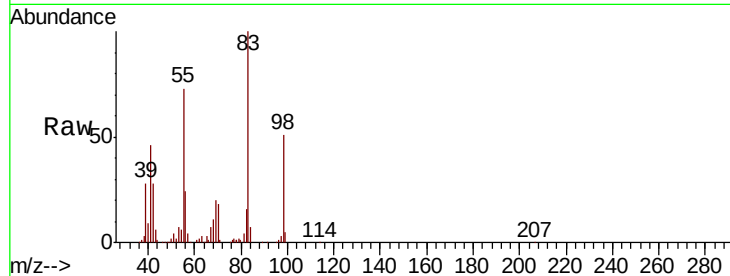
#39
Methylvlcyclohexane
Concen: 19.568 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	83	Resp	163769
Ion Ratio	Lower	Upper	
83	100		
55	72.7	58.6	87.8
98	50.8	40.9	61.3

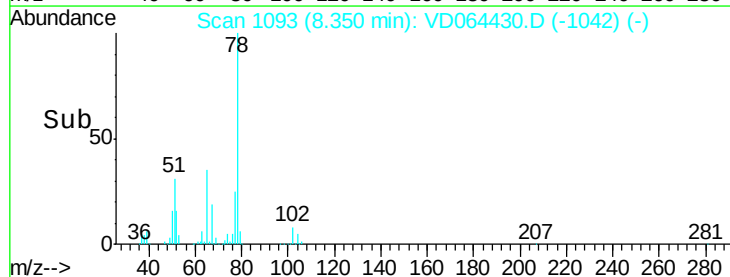
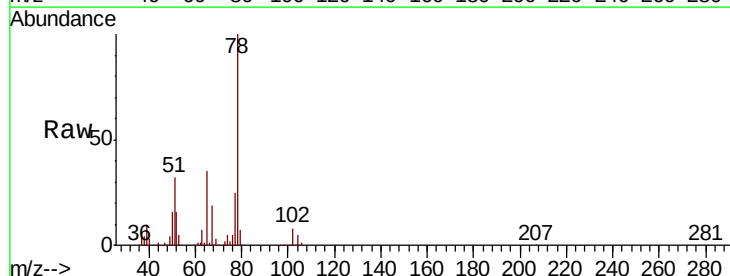
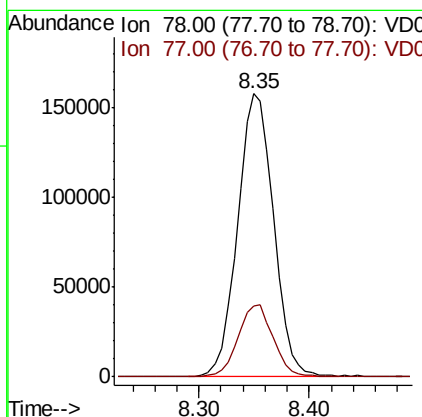
Manual Integrations
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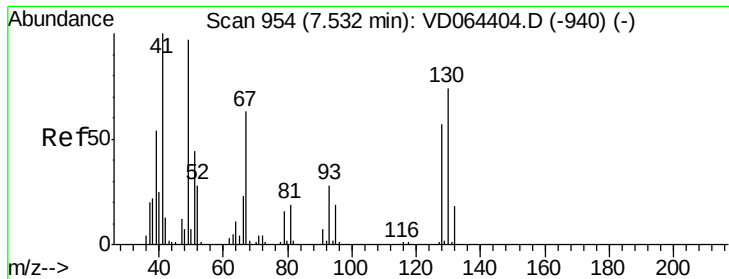
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#40
Benzene
Concen: 19.231 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	78	Resp	360369
Ion Ratio	Lower	Upper	
78	100		
77	25.2	19.6	29.4





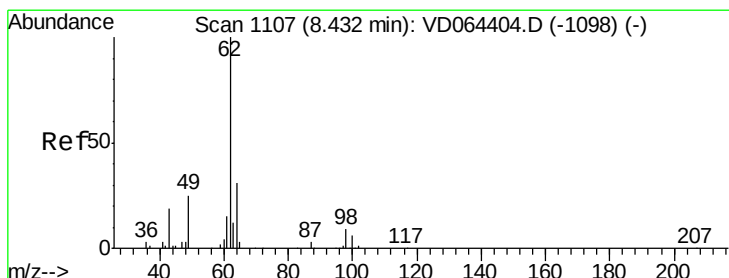
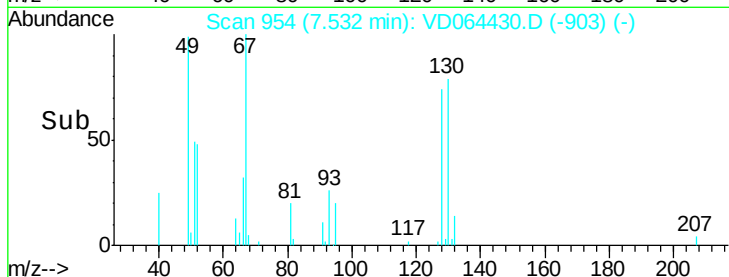
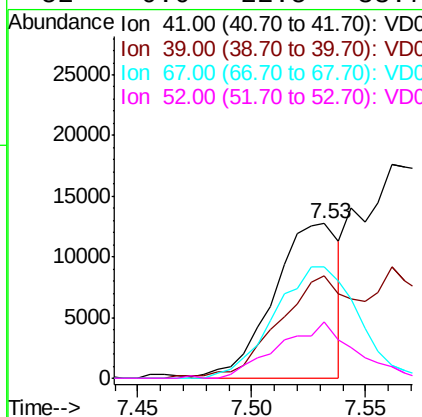
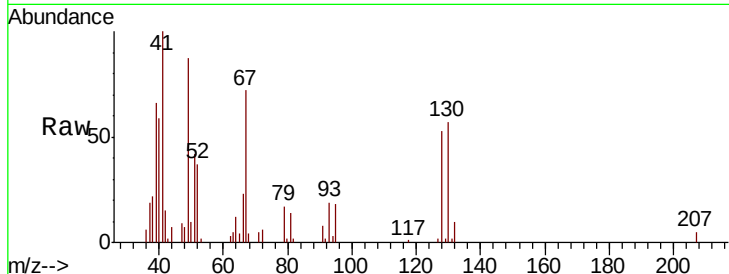
#41
Methacrylonitrile
Concen: 15.454 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.2	44.6	67.0#
67	0.0	50.9	76.3#
52	0.0	22.5	33.7#

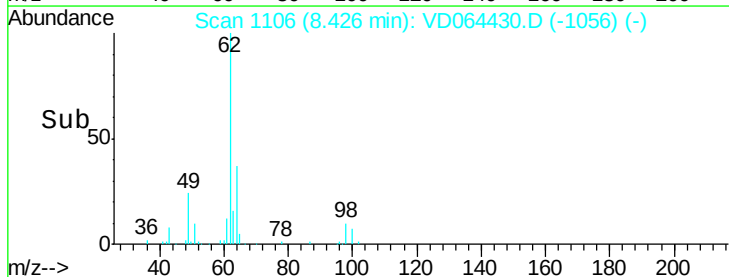
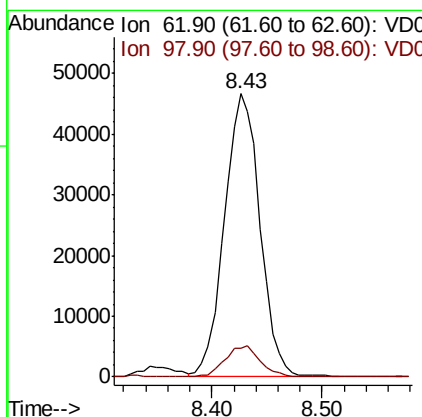
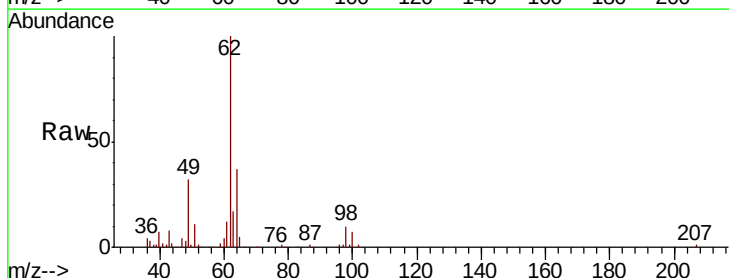
Manual Integrations
APPROVED

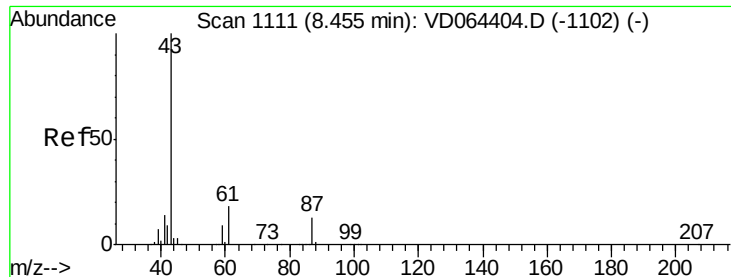
apatel
12/6/2019 12:59:16 PM



#42
1,2-Dichloroethane
Concen: 19.252 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.179 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

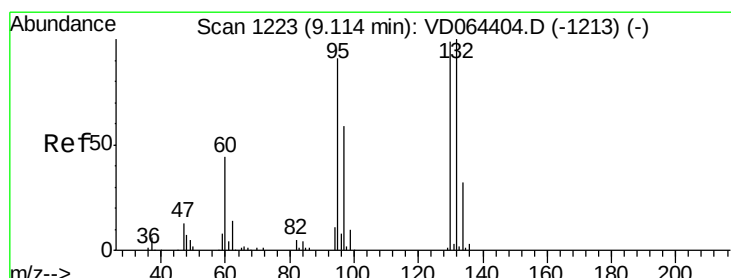
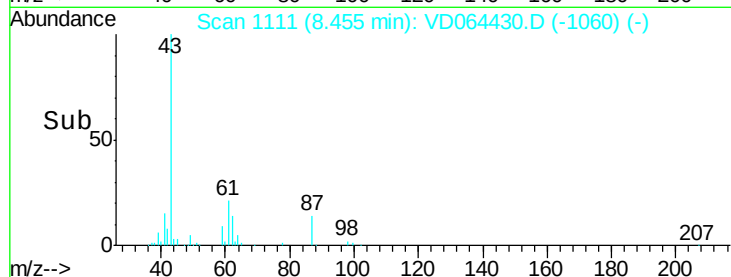
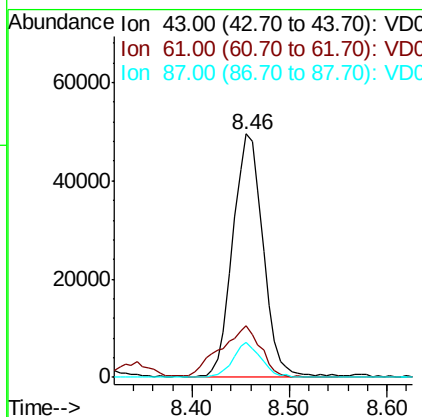
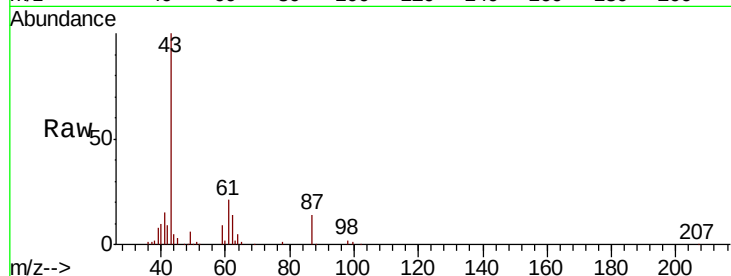
ClientSampleId :

VD1205SBS01

Tot Ion:	43	Resp:	107952
Ion Ratio	Lower	Upper	
43	100		
61	28.2	24.0	36.0
87	13.3	10.6	15.8

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#44

Trichloroethene

Concen: 19.132 ug/l

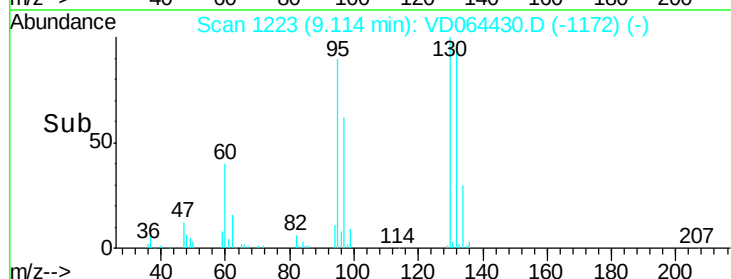
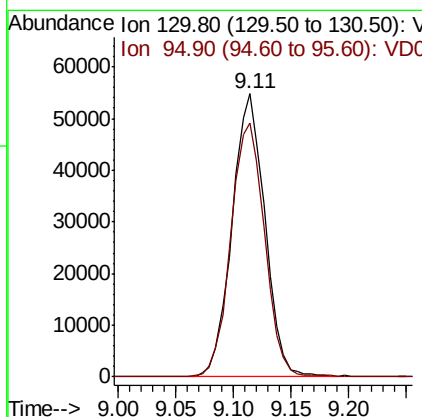
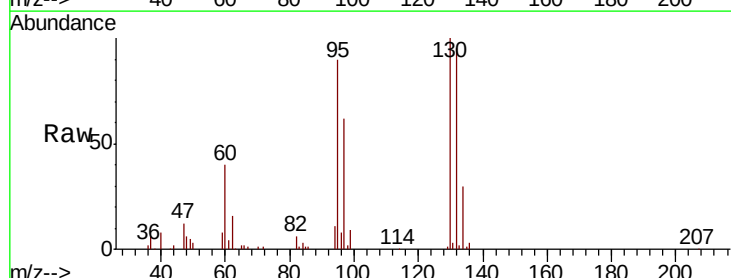
RT: 9.11 min Scan# 1223

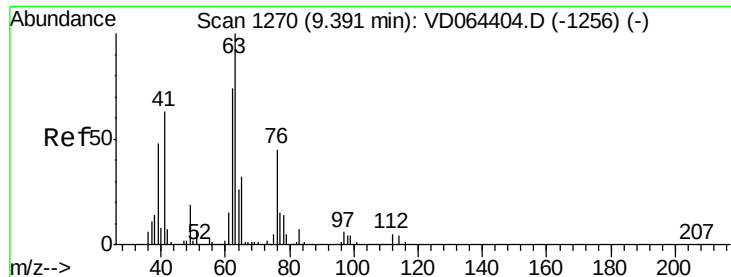
Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Tgt Ion:	130	Resp:	107990
Ion Ratio	Lower	Upper	
130	100		
95	89.9	0.0	184.6





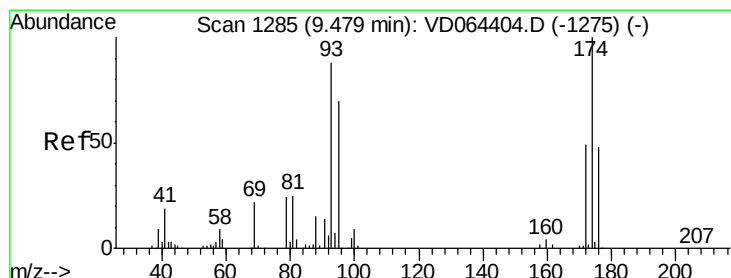
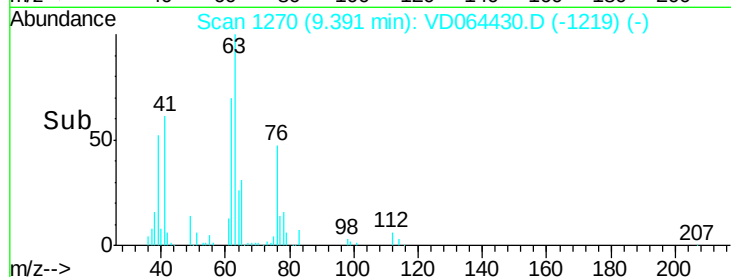
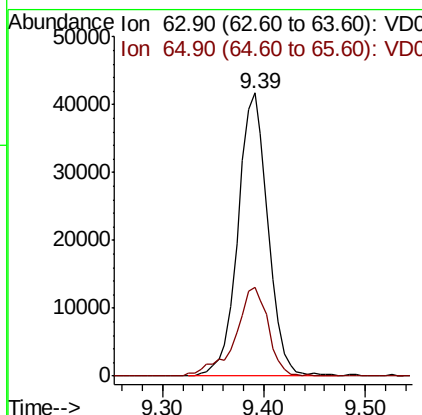
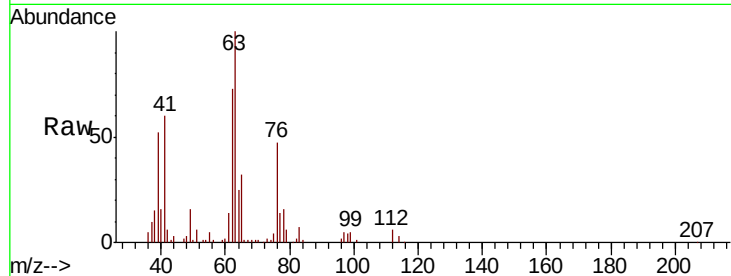
#45
 1,2-Dichloropropane
 Concen: 19.083 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBSD01

Tot Ion	63	Resp	85519
Ion Ratio	100	Lower	Upper
63	100		
65	31.5	25.4	38.0

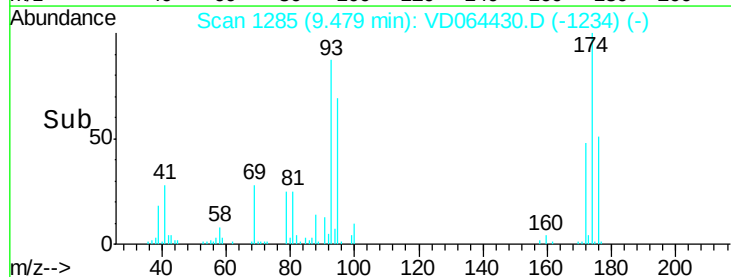
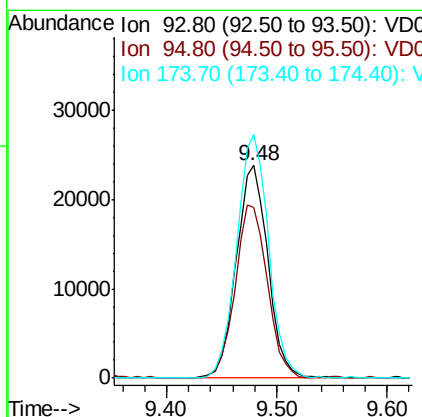
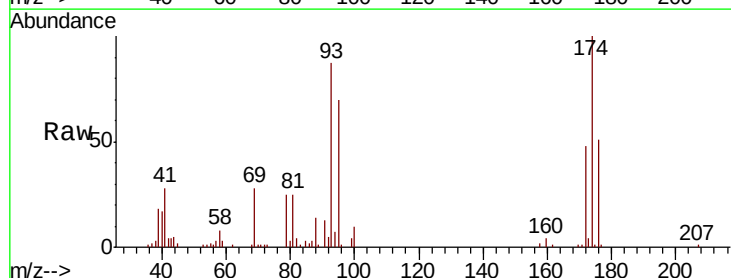
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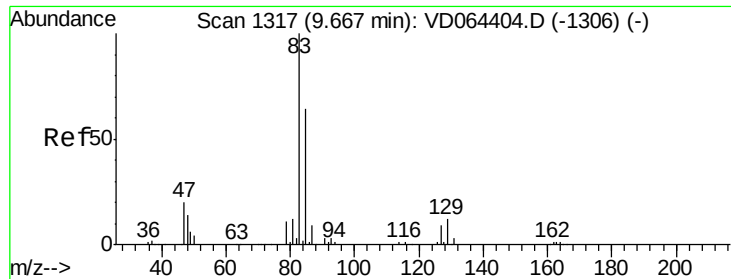
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#46
 Dibromomethane
 Concen: 18.969 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	93	Resp	47979
Ion Ratio	100	Lower	Upper
93	100		
95	82.7	66.7	100.1
174	115.0	92.3	138.5





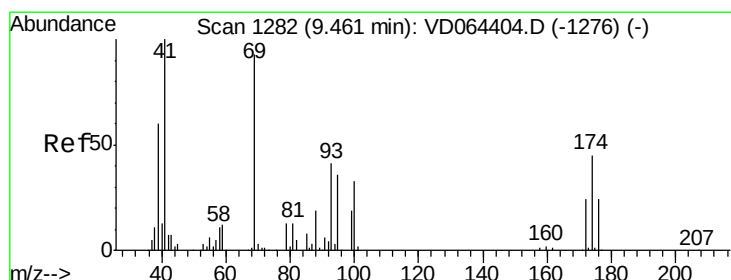
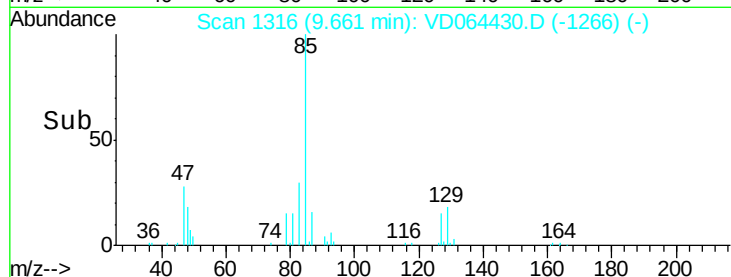
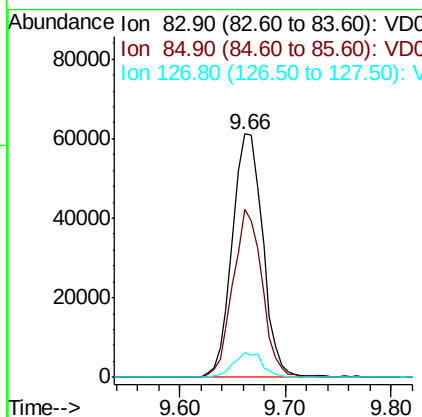
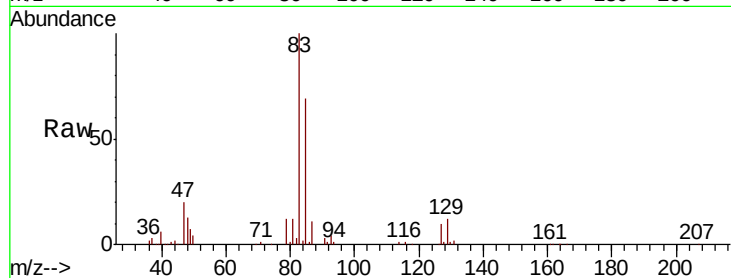
#47
Bromodichloromethane
Concen: 18.854 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	122536		
85	68.9		51.1	76.7
127	10.0		7.4	11.0

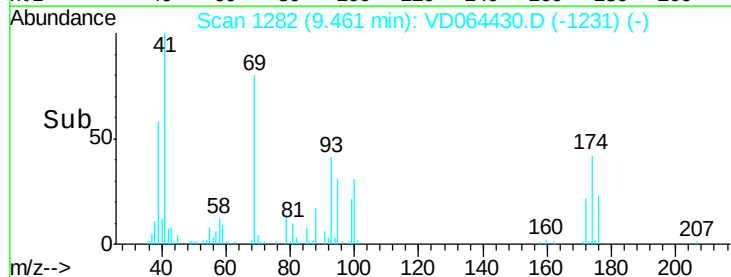
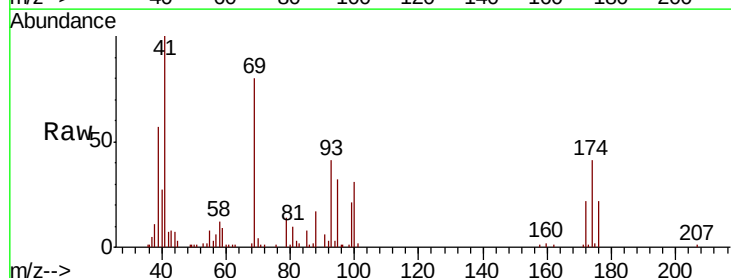
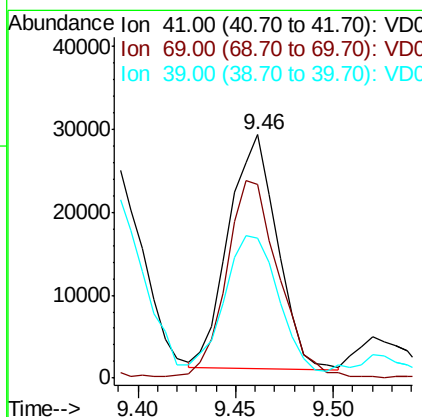
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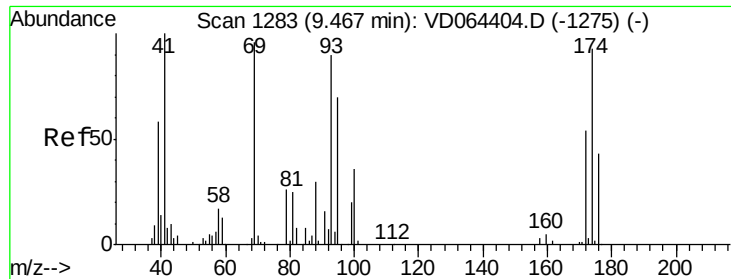
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#48
Methyl methacrylate
Concen: 18.898 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	48676		
69	91.6		72.0	108.0
39	63.4		55.2	82.8





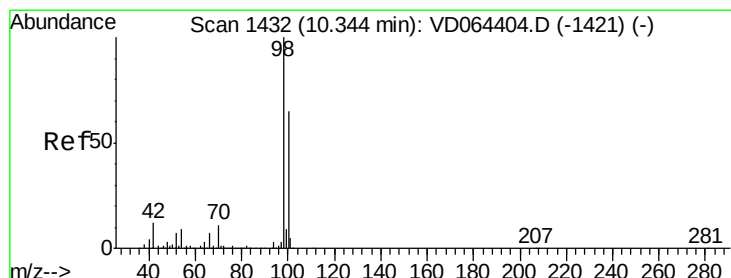
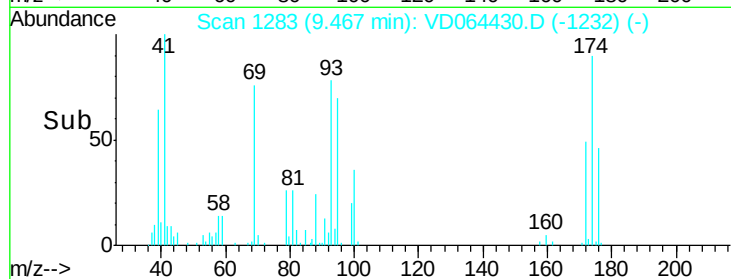
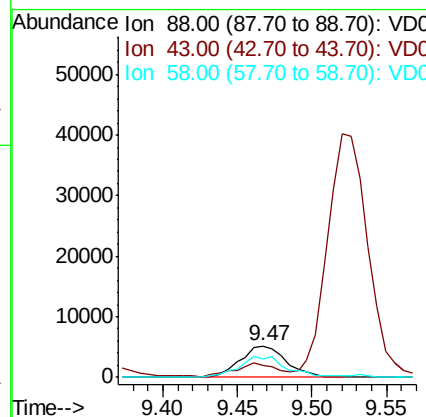
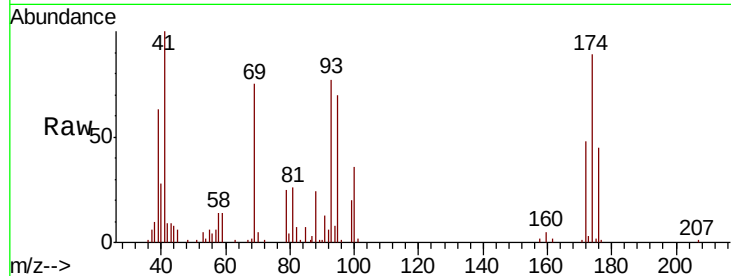
#49
 1,4-Dioxane
 Concen: 354.586 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion: 88 Resp: 11075
 Ion Ratio Lower Upper
 88 100
 43 37.5 26.7 40.1
 58 68.5 52.3 78.5

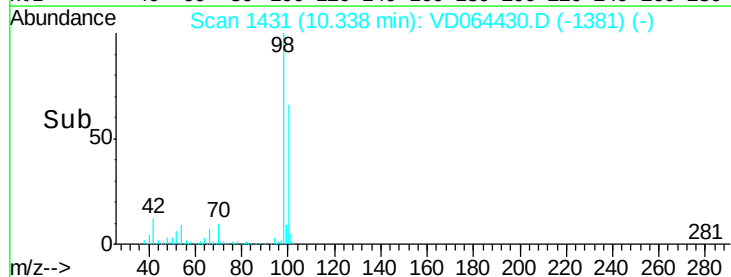
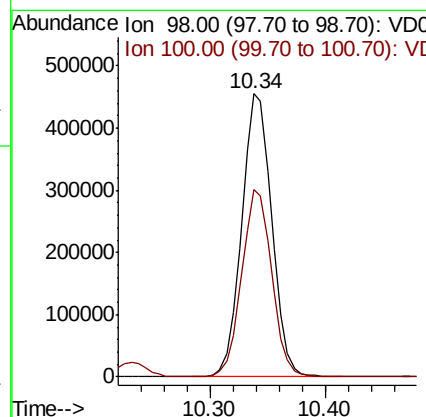
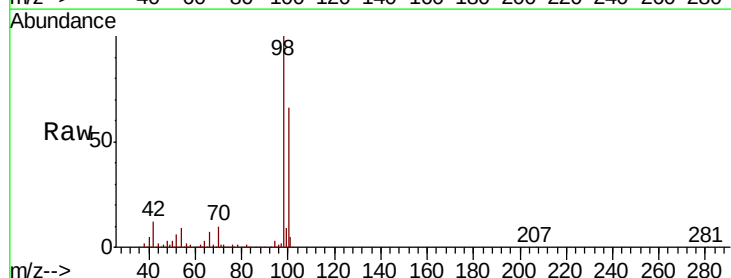
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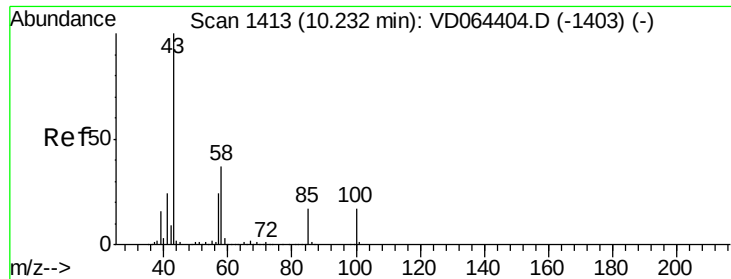
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#50
 Toluene-d8
 Concen: 48.626 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion: 98 Resp: 823168
 Ion Ratio Lower Upper
 98 100
 100 65.9 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 94.281 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 43 Resp: 262578

Ion Ratio Lower Upper

43 100

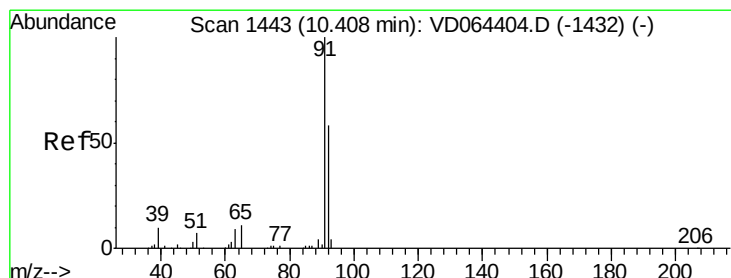
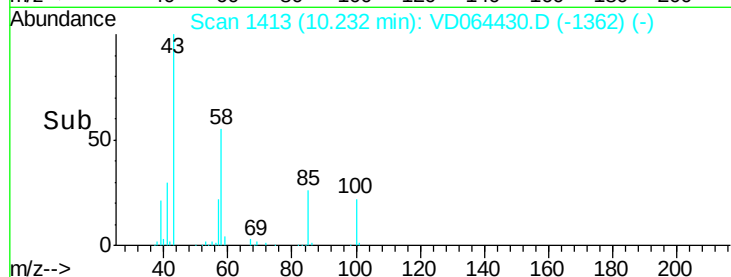
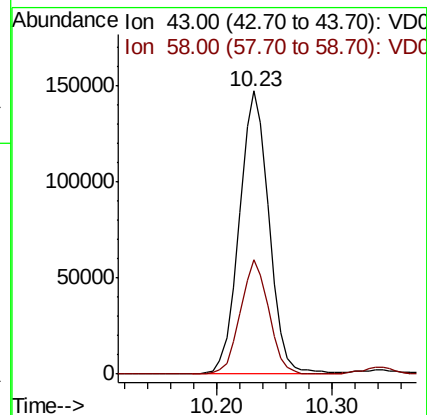
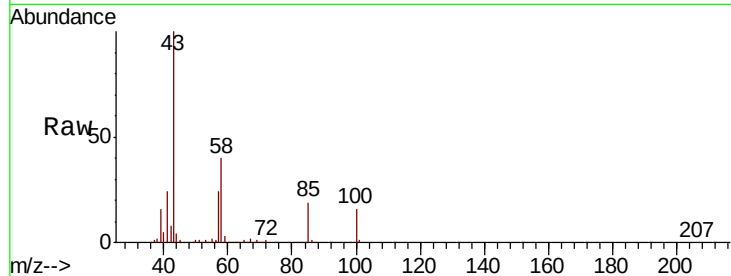
58 38.5 30.6 46.0

Manual Integrations

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#52

Toluene

Concen: 19.047 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064430.D

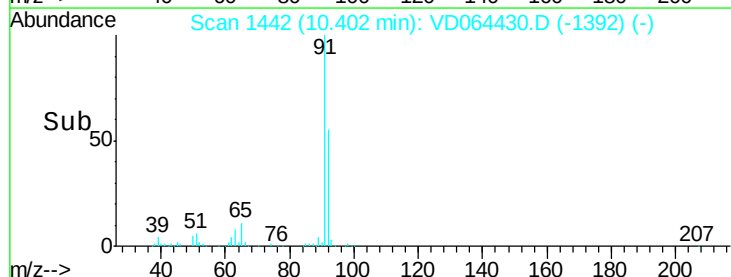
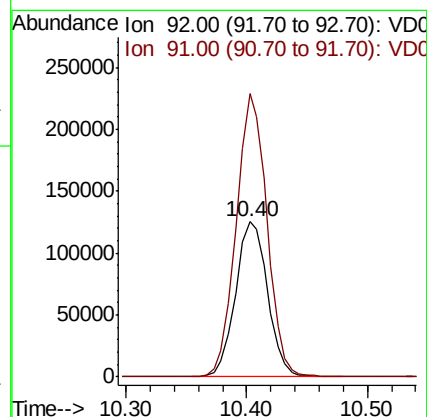
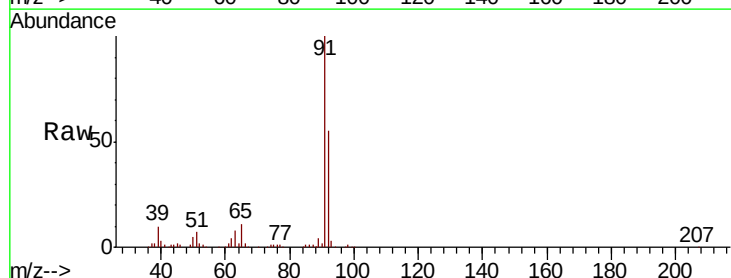
Acq: 05 Dec 2019 12:14

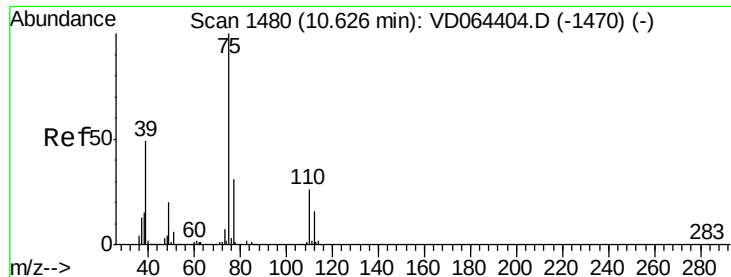
Tgt Ion: 92 Resp: 232608

Ion Ratio Lower Upper

92 100

91 174.9 137.8 206.6





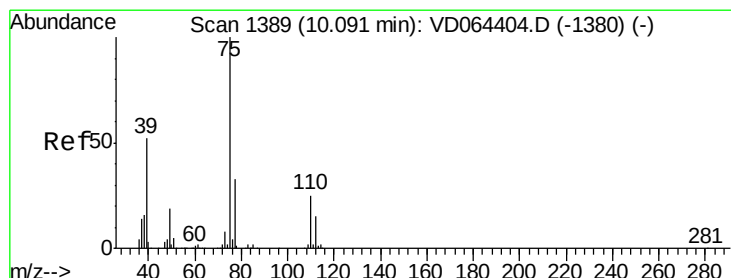
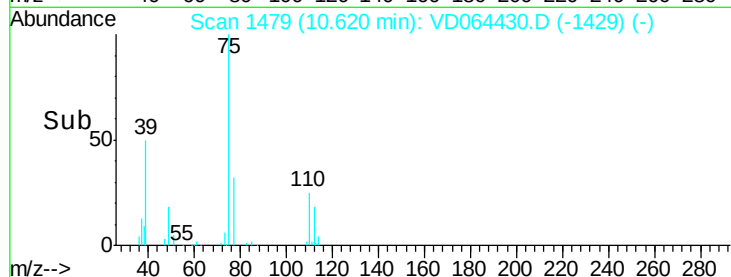
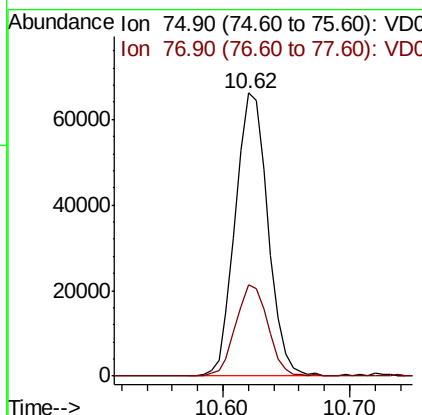
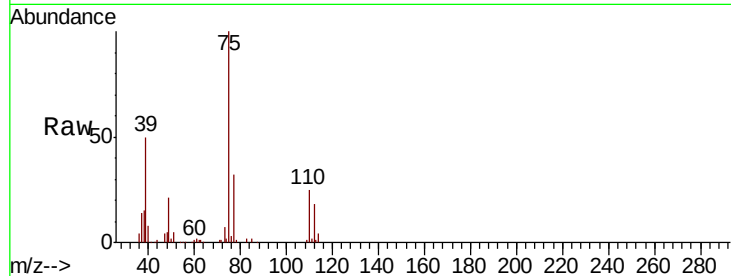
#53
t-1,3-Dichloropropene
Concen: 19.097 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.0	37.4

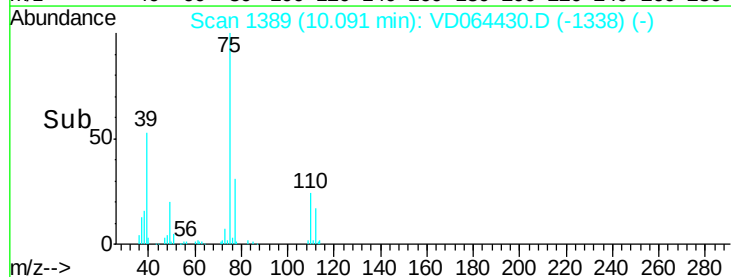
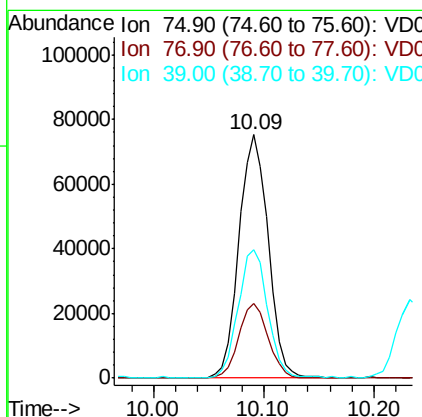
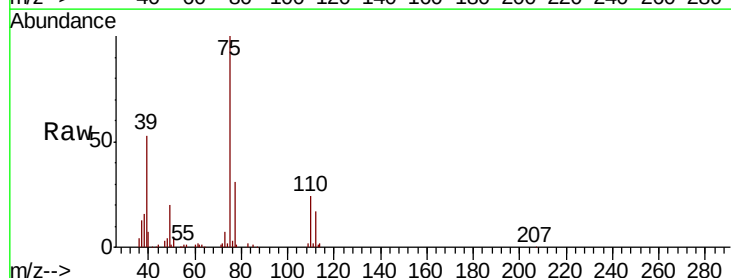
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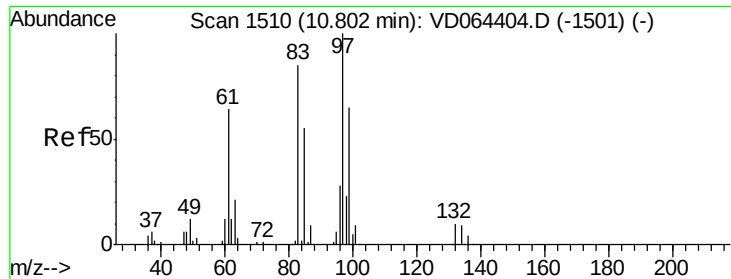
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#54
cis-1,3-Dichloropropene
Concen: 19.068 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.1	39.1
39	53.0	41.5	62.3





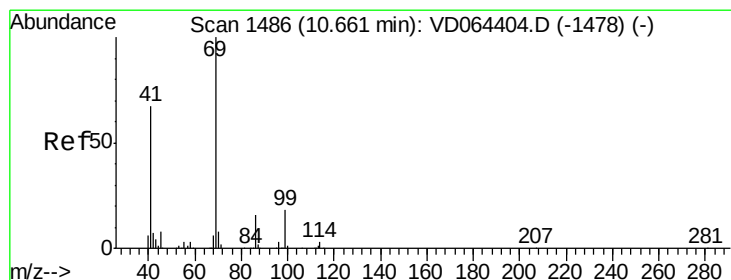
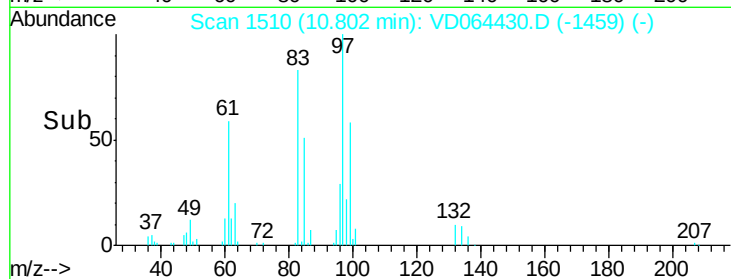
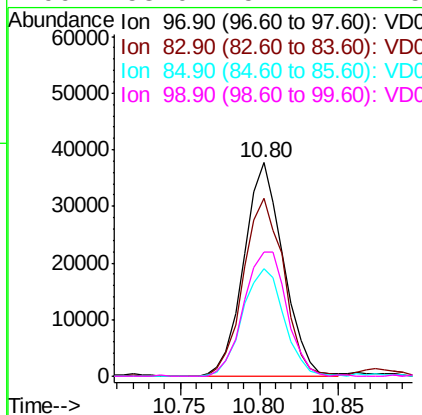
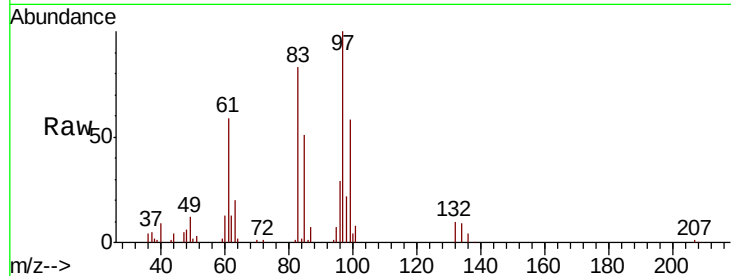
#55
 1,1,2-Trichloroethane
 Concen: 18.883 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.1	67.8	101.8
85	50.6	43.7	65.5
99	58.0	51.7	77.5

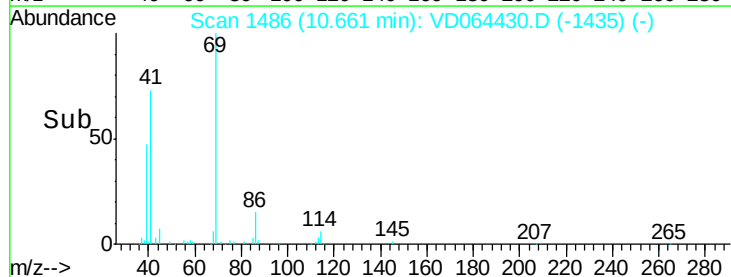
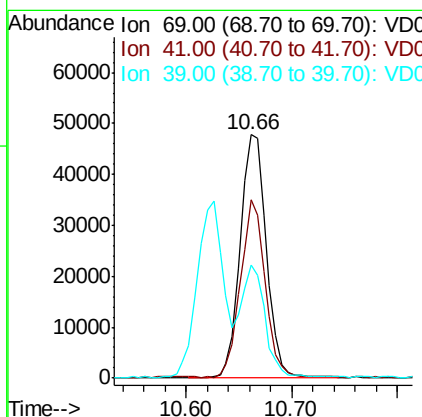
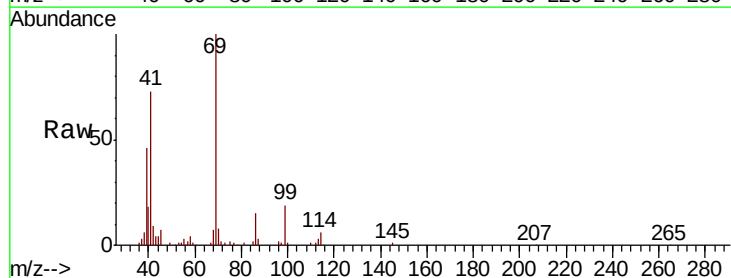
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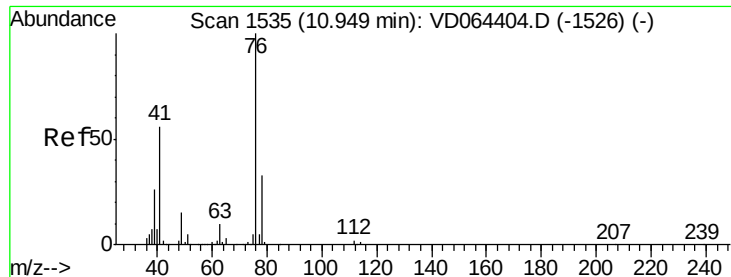
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#56
 Ethyl methacrylate
 Concen: 18.572 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.1	55.0	82.4
39	41.9	33.0	49.6





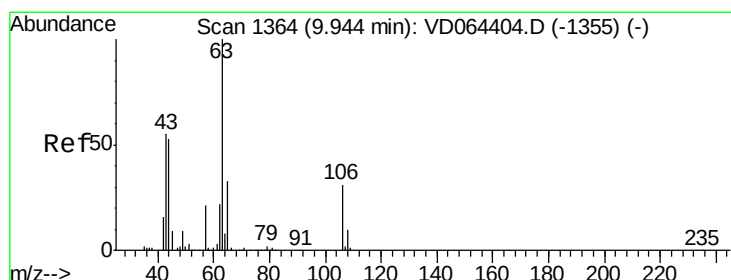
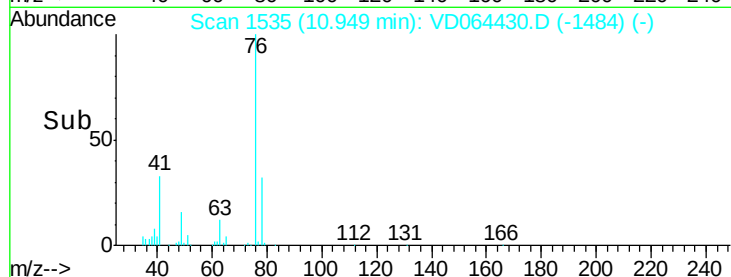
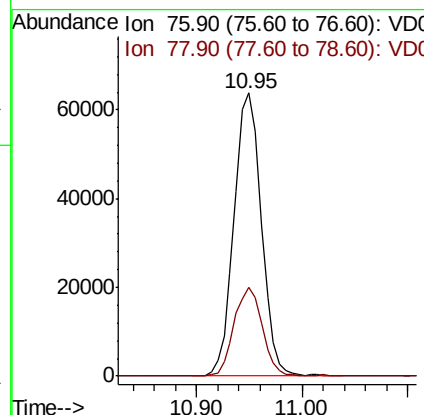
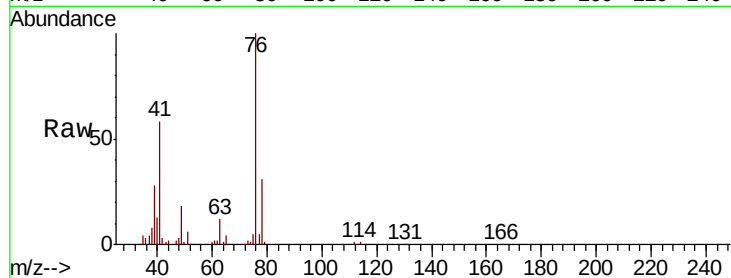
#57
 1,3-Dichloropropane
 Concen: 19.354 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

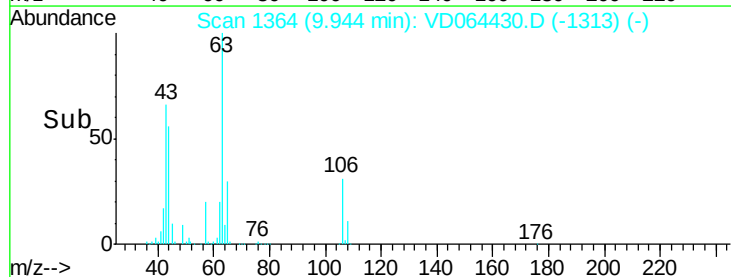
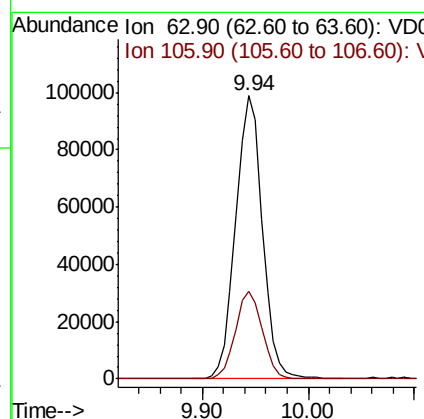
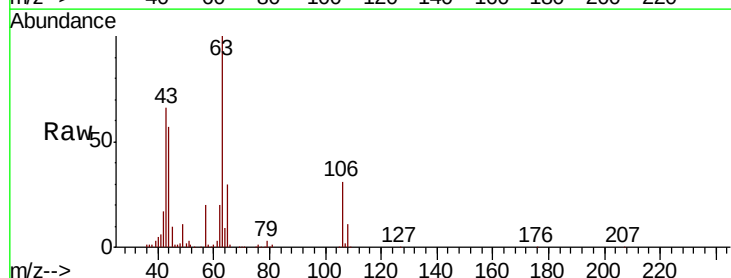
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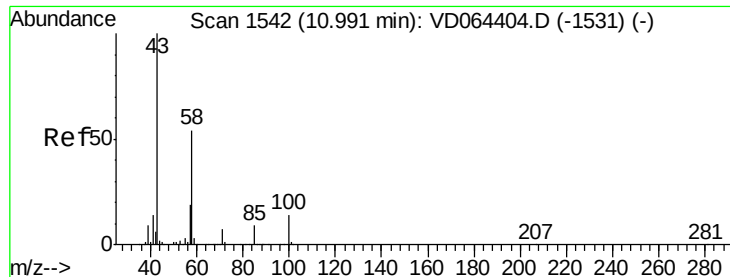
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.947 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.2	24.2	36.4





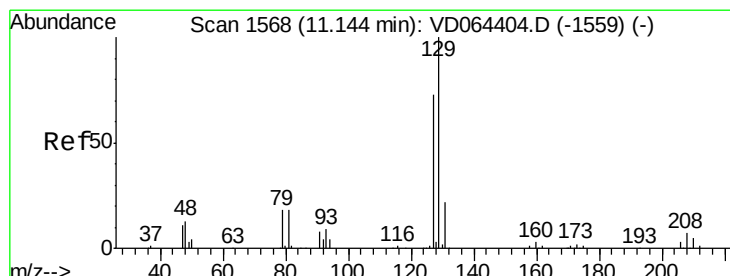
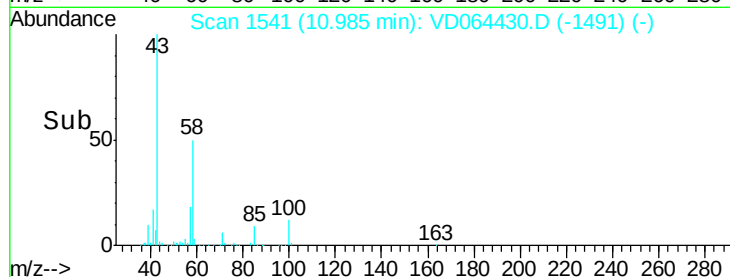
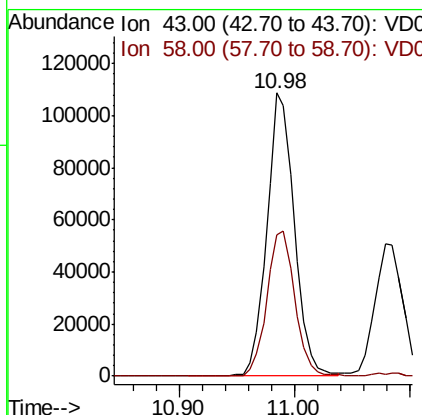
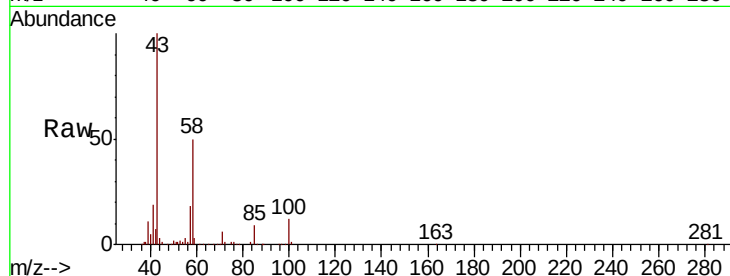
#59
2-Hexanone
Concen: 93.157 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

Tot Ion: 43 Resp: 180029
Ion Ratio Lower Upper
43 100
58 52.1 26.3 78.8

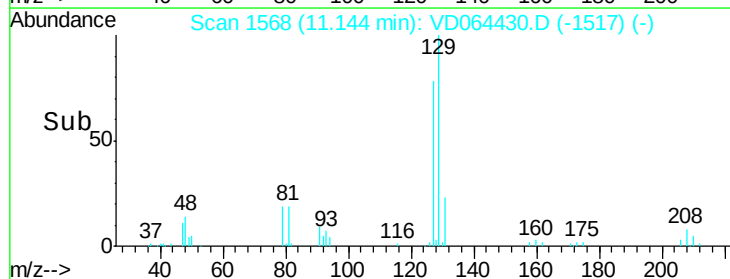
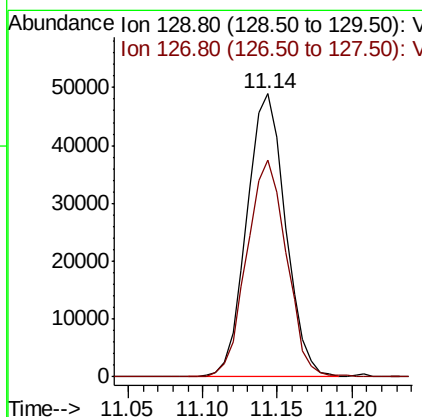
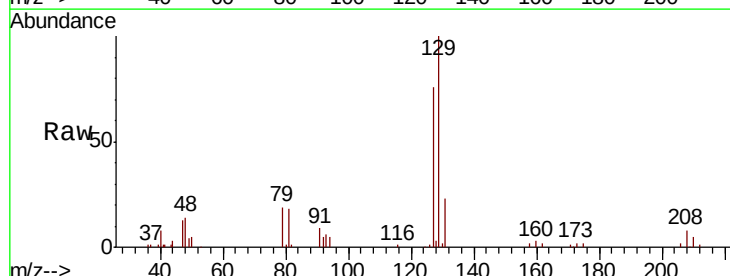
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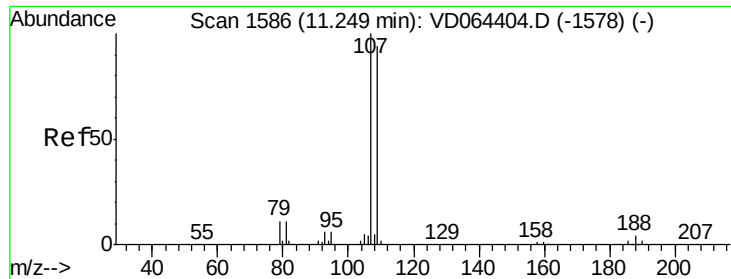
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#60
Dibromochloromethane
Concen: 18.695 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion:129 Resp: 87788
Ion Ratio Lower Upper
129 100
127 78.6 38.1 114.3





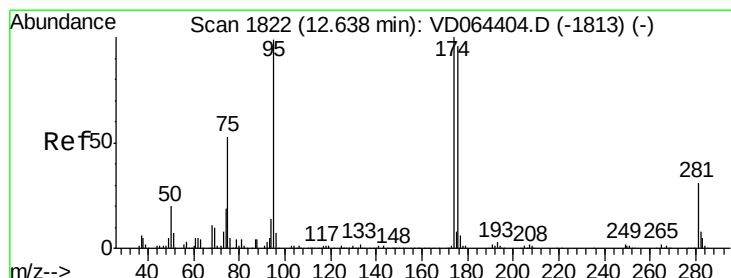
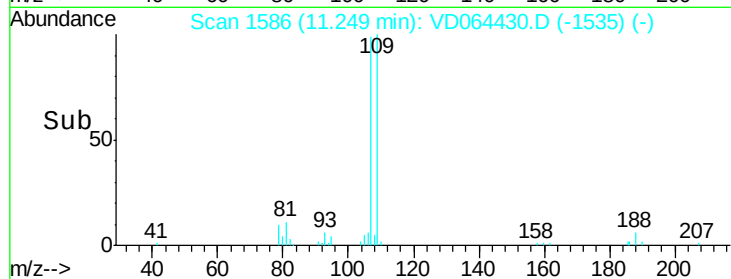
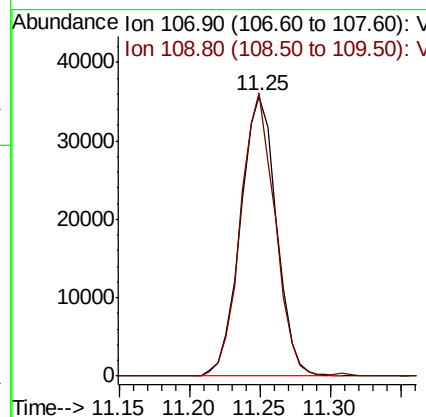
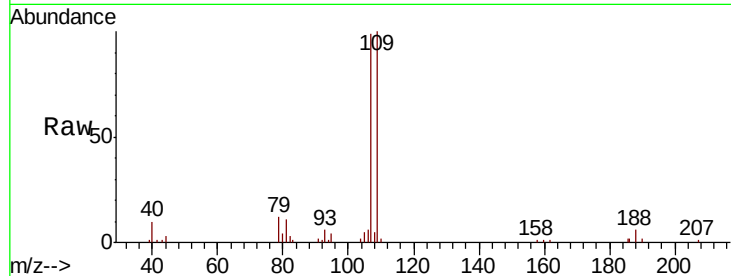
#61
 1,2-Dibromoethane
 Concen: 18.424 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	76.2	114.2

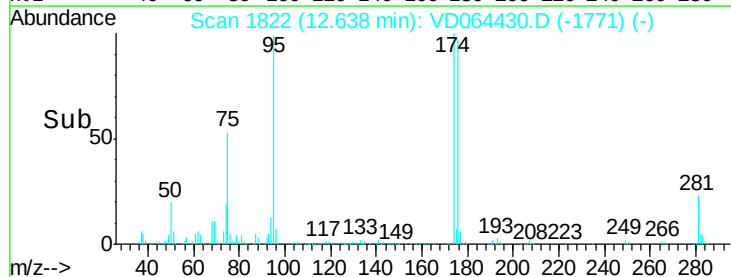
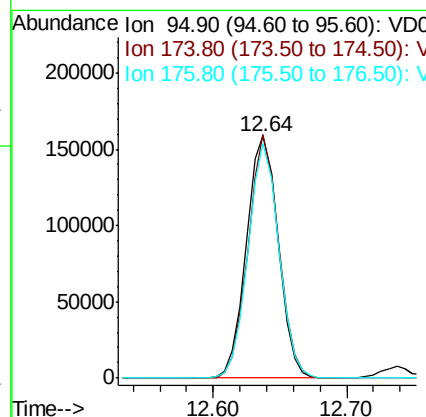
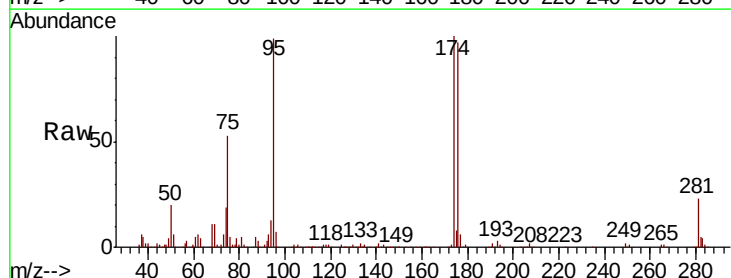
Manual Integrations
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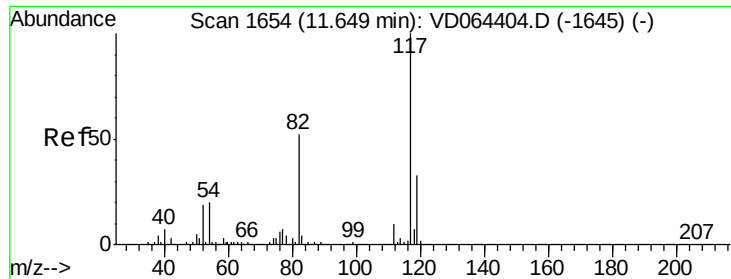
apatel
 12/6/2019 12:59:16 PM



#62
 4-Bromofluorobenzene
 Concen: 47.817 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.6	0.0	197.2
176	94.1	0.0	189.6





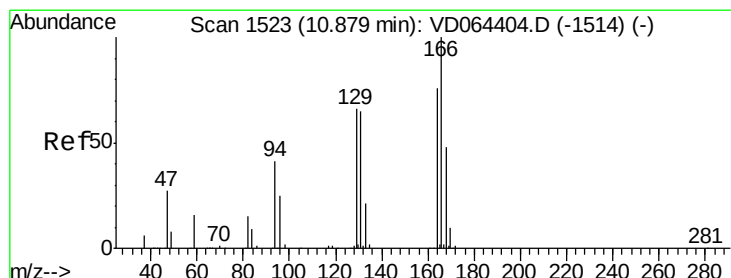
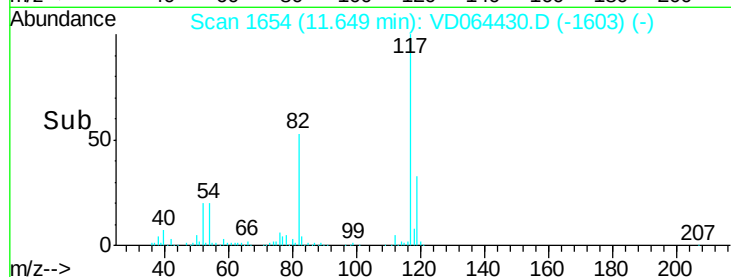
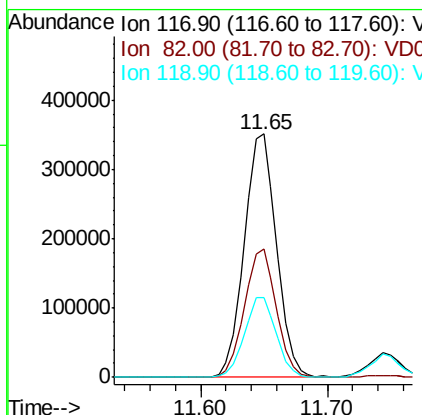
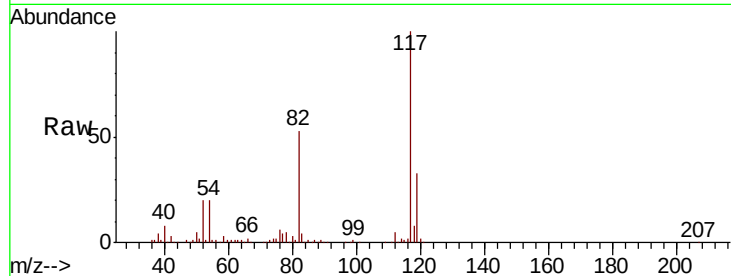
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	621469		
82	52.7		41.4	62.2
119	32.9		26.2	39.2

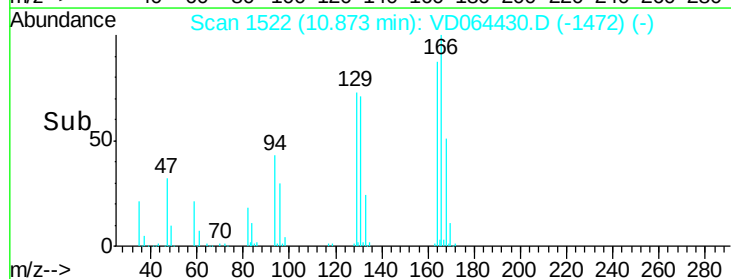
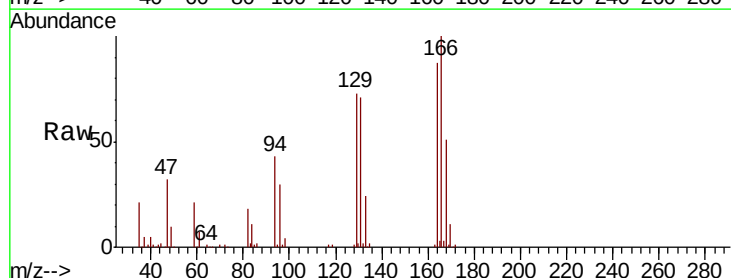
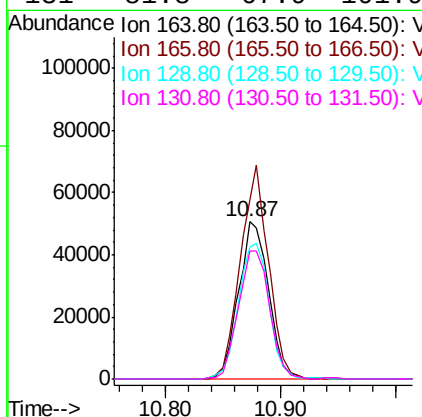
Manual Integrations
APPROVED

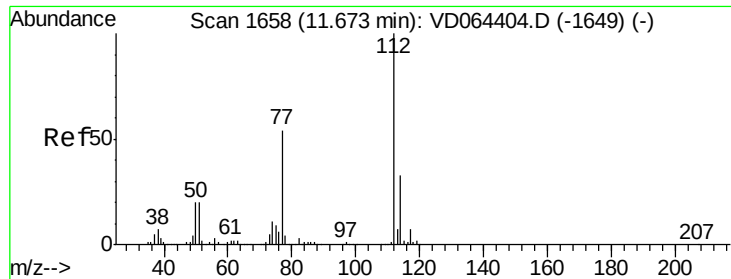
apatel
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#64
Tetrachloroethene
Concen: 19.320 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91560		
166	114.5		104.8	157.2
129	84.1		68.7	103.1
131	81.8		67.9	101.9





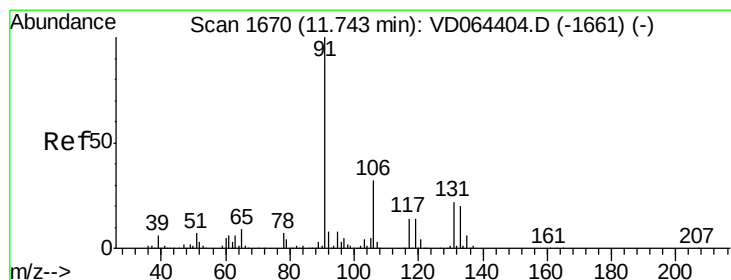
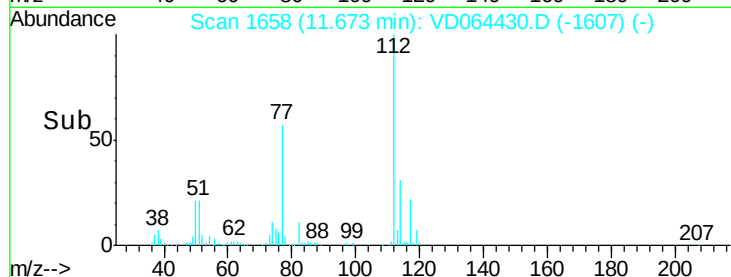
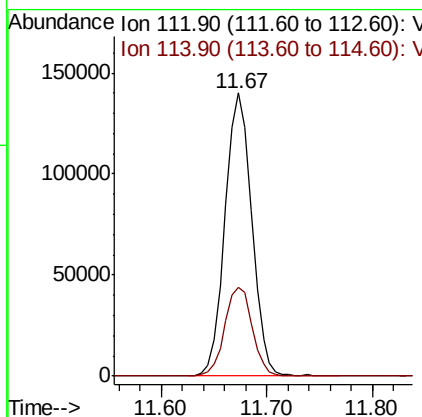
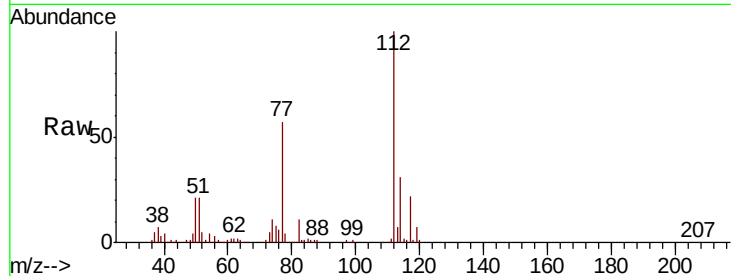
#65
Chlorobenzene
Concen: 18.957 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.5	39.7

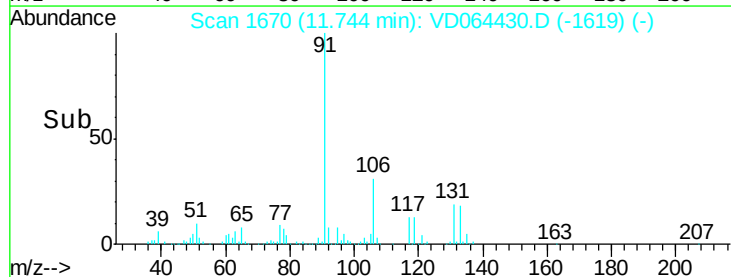
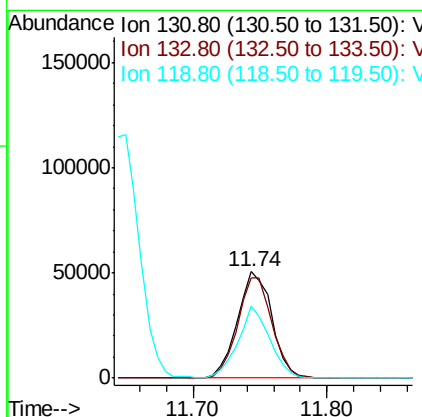
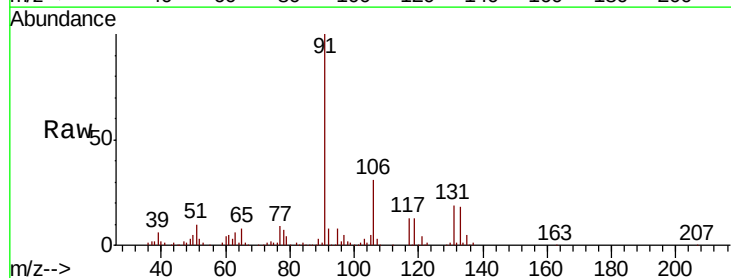
Manual Integrations
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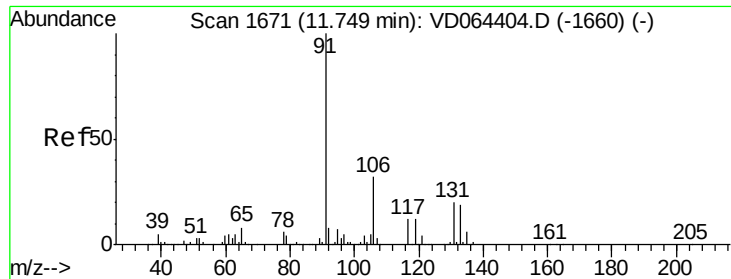
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.764 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.3	144.9
119	62.7	31.9	95.9





#67

Ethyl Benzene

Concen: 19.283 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 91 Resp: 444703

Ion Ratio Lower Upper

91 100

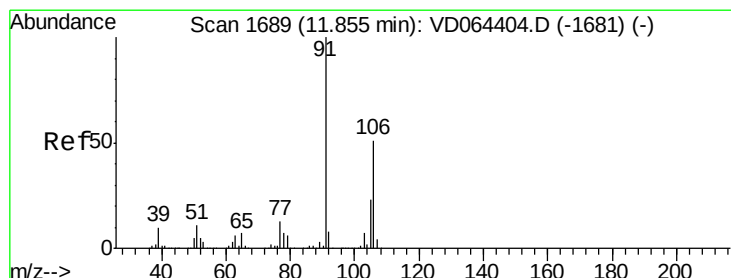
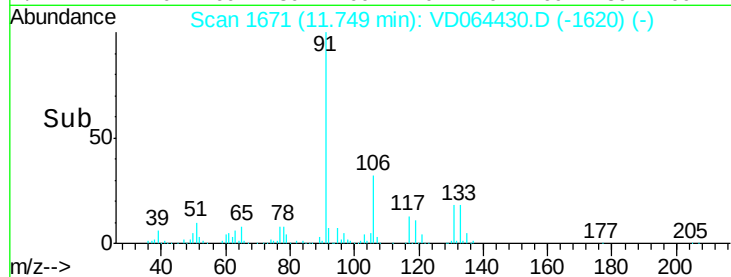
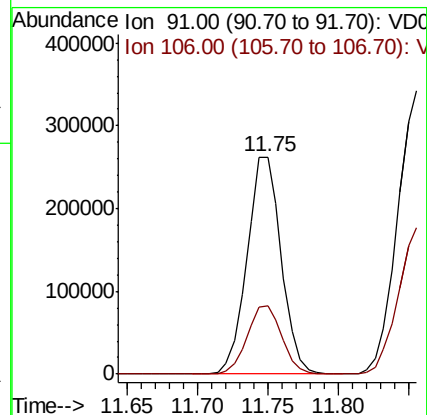
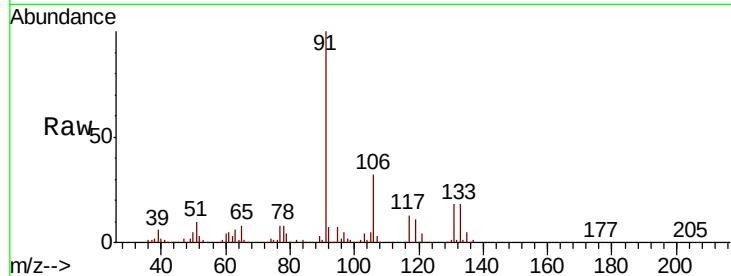
106 31.7 25.8 38.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.271 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064430.D

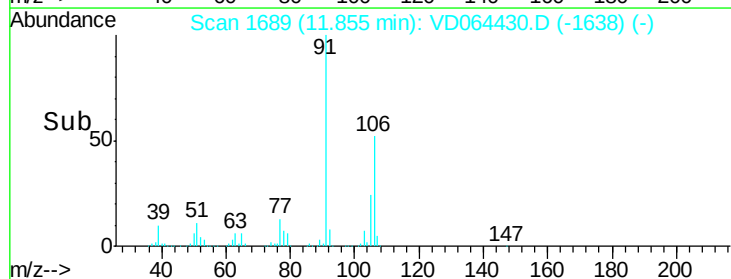
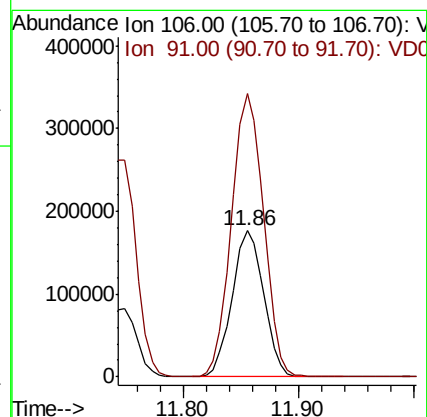
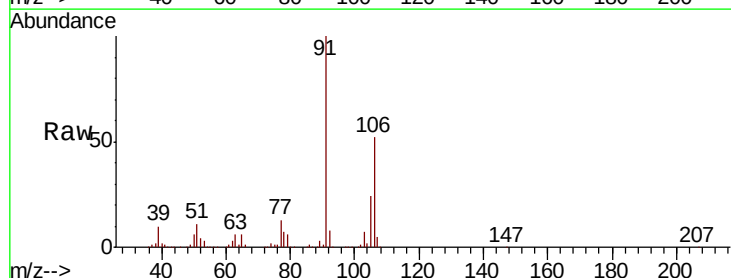
Acq: 05 Dec 2019 12:14

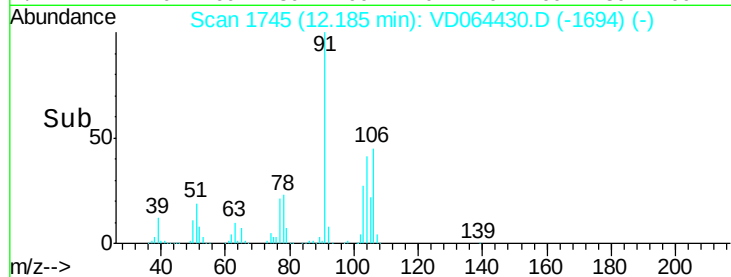
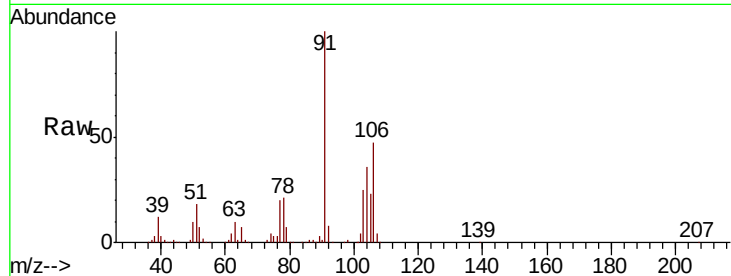
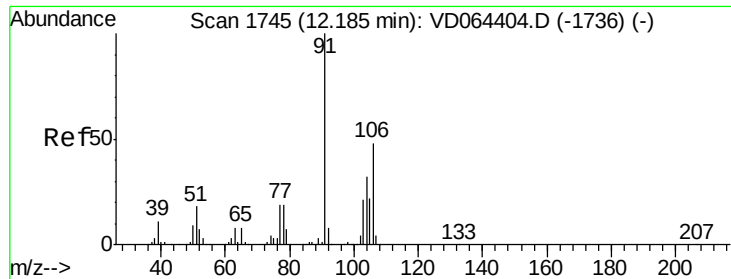
Tgt Ion: 106 Resp: 336530

Ion Ratio Lower Upper

106 100

91 196.5 157.4 236.2





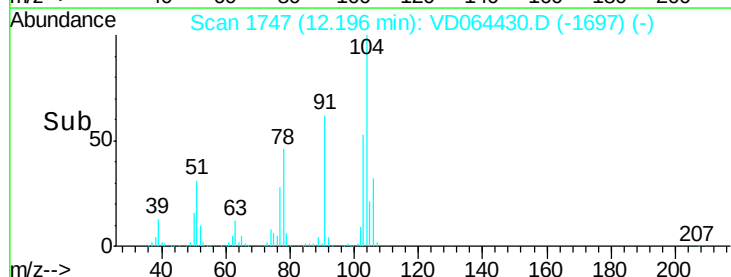
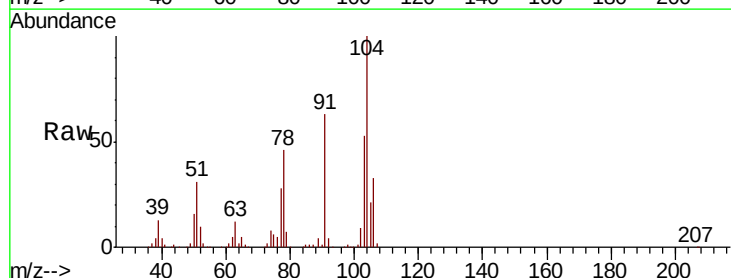
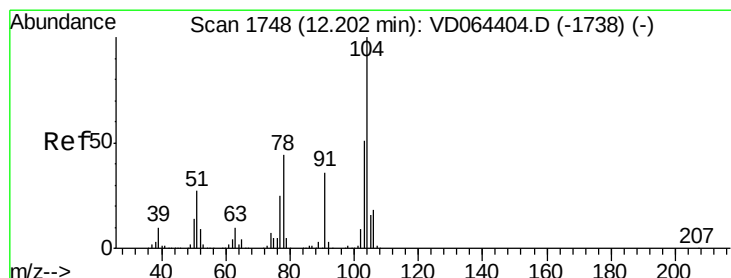
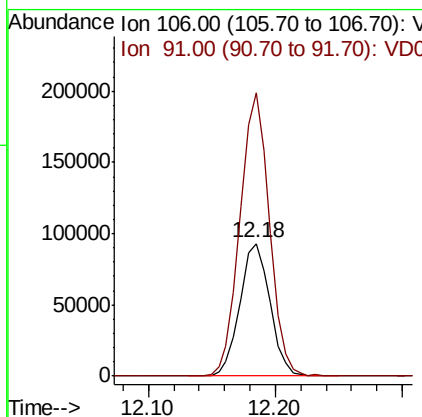
#69
o-Xylene
Concen: 18.916 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tot Ion:106 Resp: 153617
Ion Ratio Lower Upper
106 100
91 208.4 103.8 311.4

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

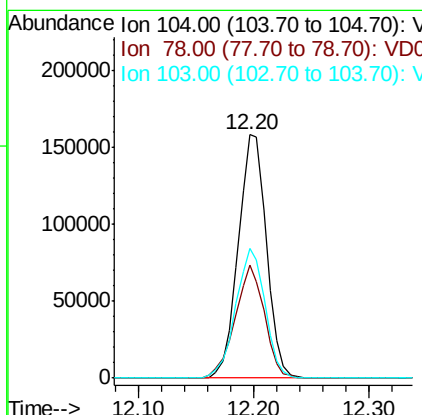
Manual Integrations
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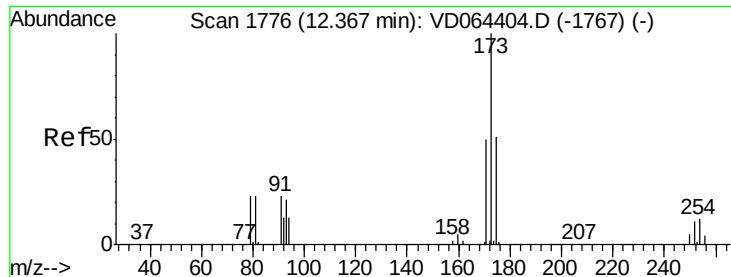
apatel
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#70
Styrene
Concen: 18.984 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion:104 Resp: 267909
Ion Ratio Lower Upper
104 100
78 48.3 38.8 58.2
103 55.6 44.2 66.4





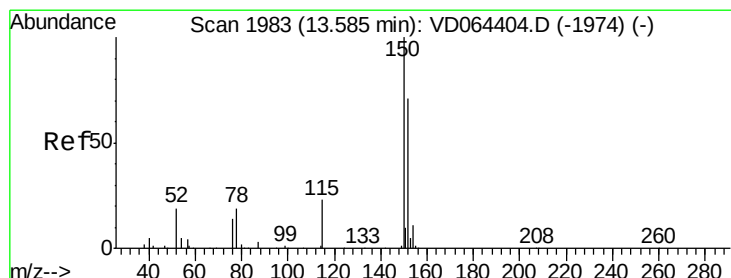
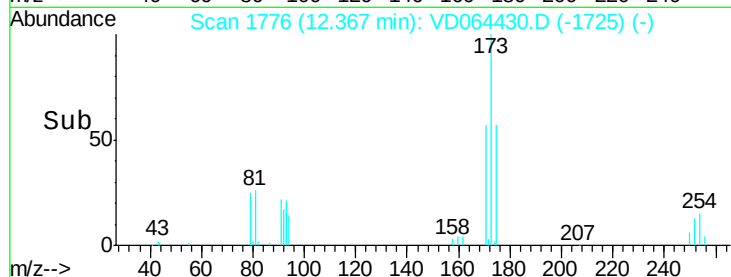
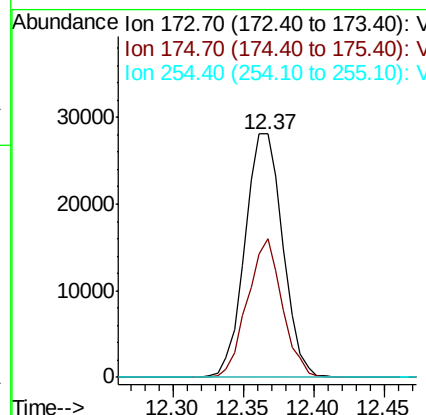
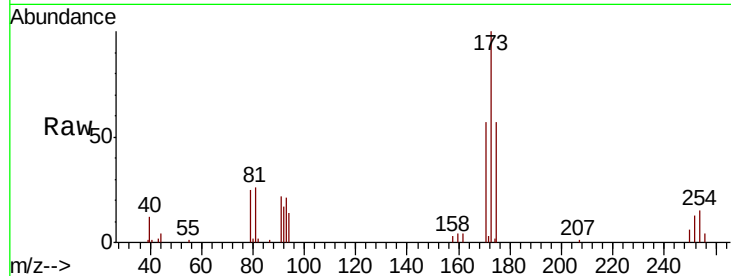
#71
Bromoform
Concen: 18.430 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.2	25.3	75.8
254	0.0	0.0	0.0

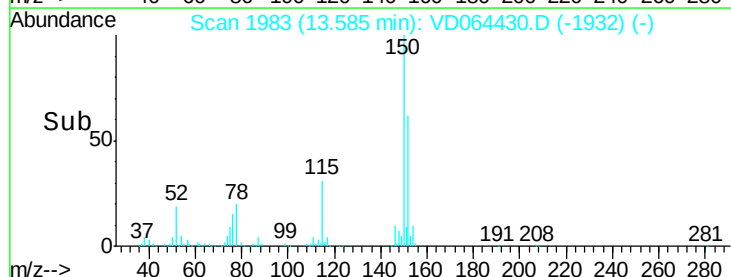
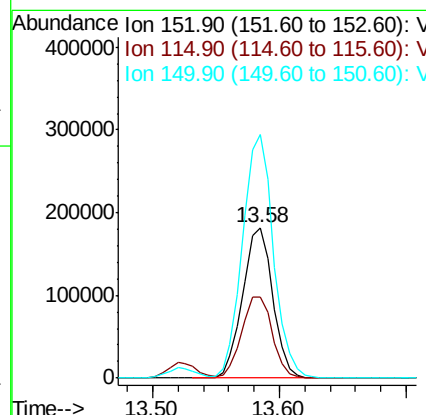
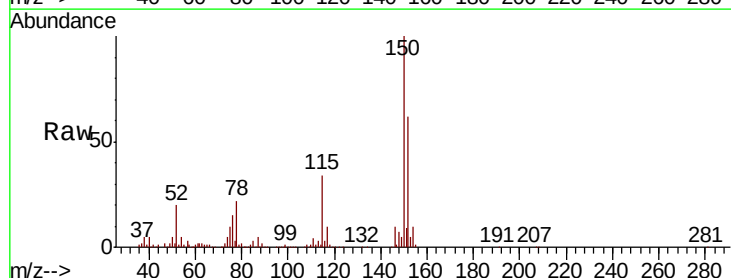
Manual Integrations
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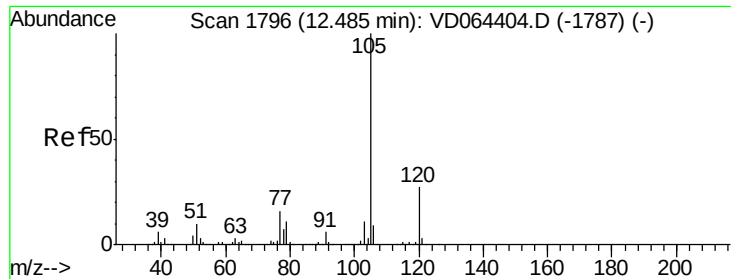
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	26.7	80.1
150	165.6	0.0	347.2





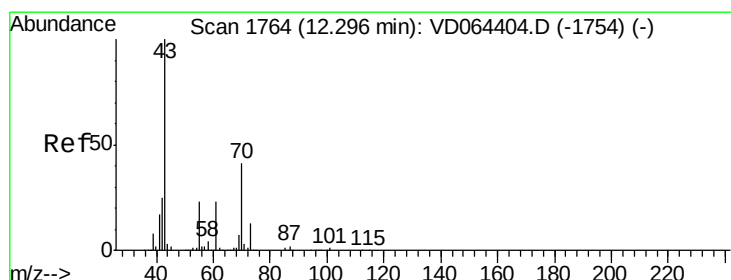
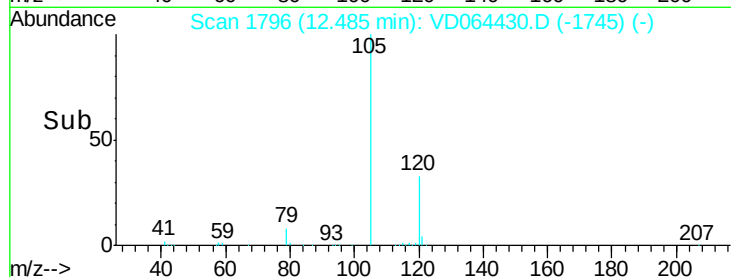
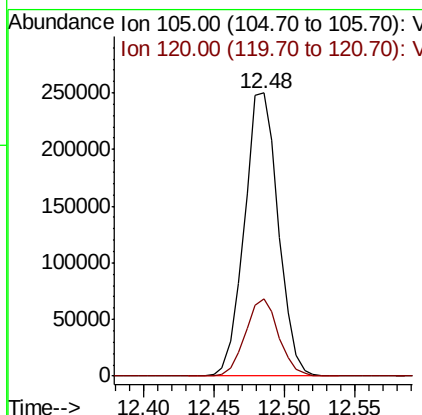
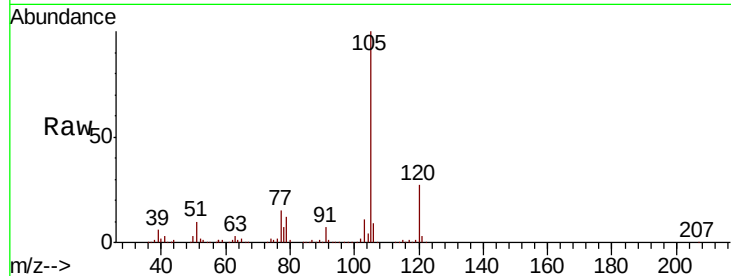
#73
Isopropylbenzene
Concen: 19.524 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.2

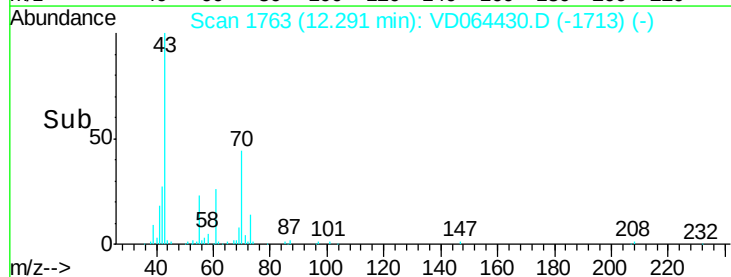
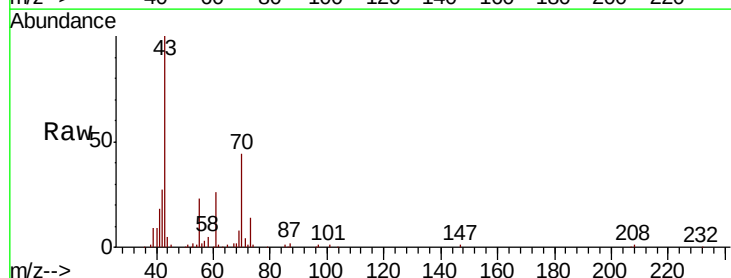
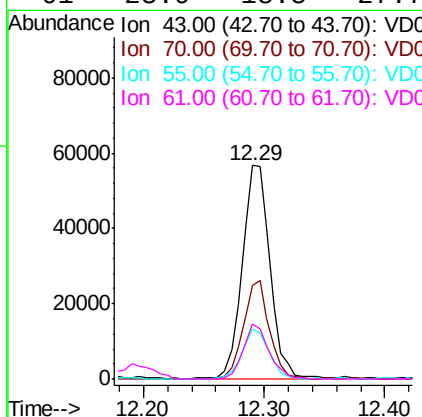
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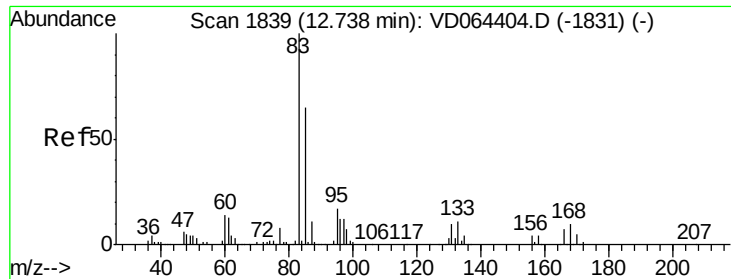
apatel
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#74
N-ethyl acetate
Concen: 18.671 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.6	33.4	50.2
55	22.9	18.9	28.3
61	23.9	18.5	27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.825 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

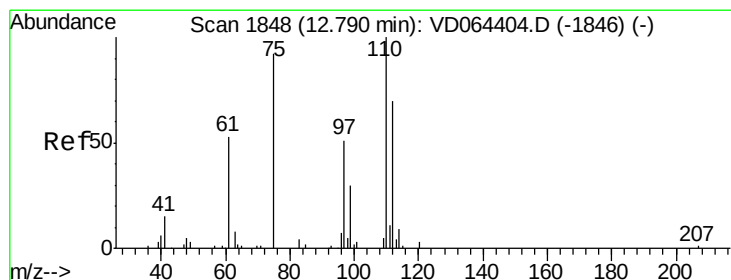
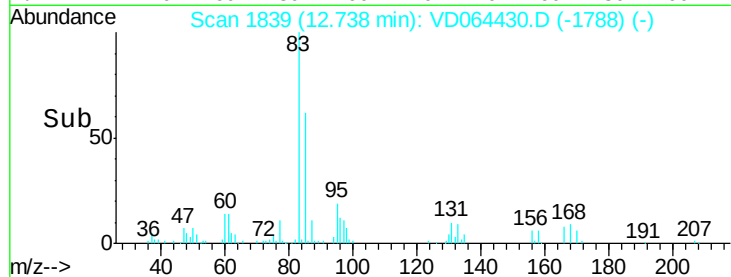
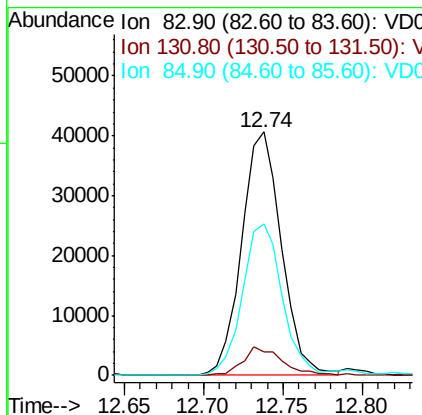
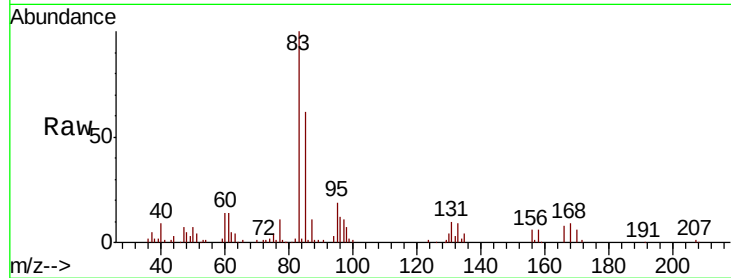
ClientSampleId :

VD1205SBS01

Tot Ion:	83	Resp:	70816
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.7	17.0
85	62.5	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 22.513 ug/l m

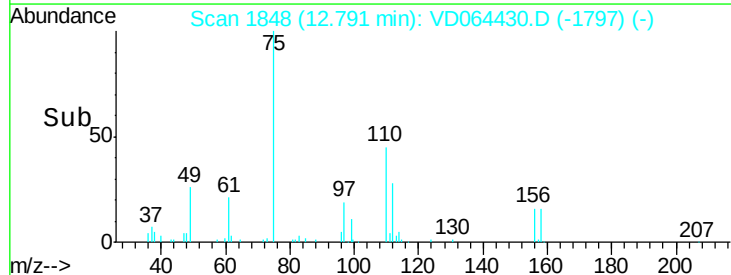
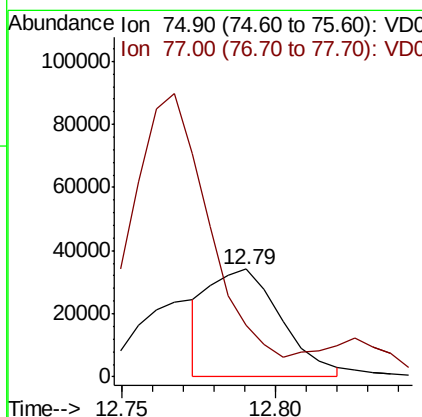
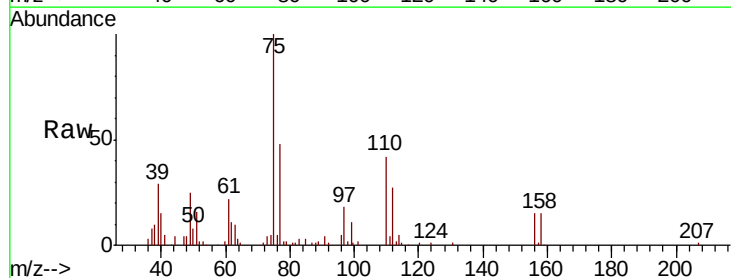
RT: 12.79 min Scan# 1848

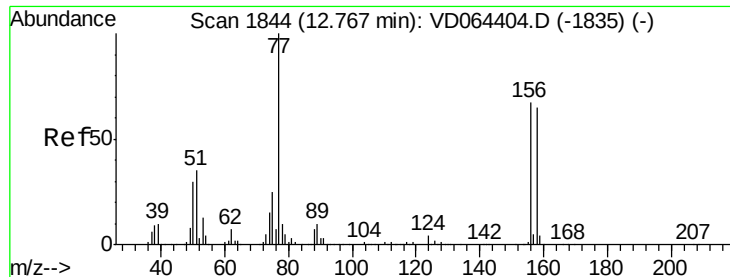
Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Tgt Ion:	75	Resp:	55604
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.056 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

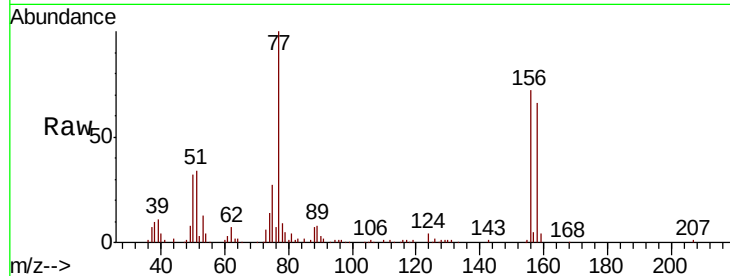
ClientSampleId :

VD1205SBSD01

Tot Ion:	156	Resp:	106985
Ion Ratio	Lower	Upper	
156	100		
77	154.5	80.0	240.2
158	94.5	48.9	146.6

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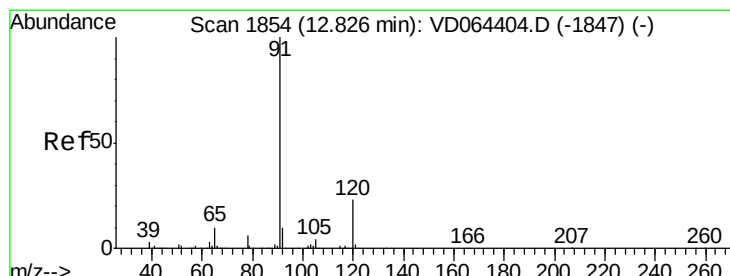
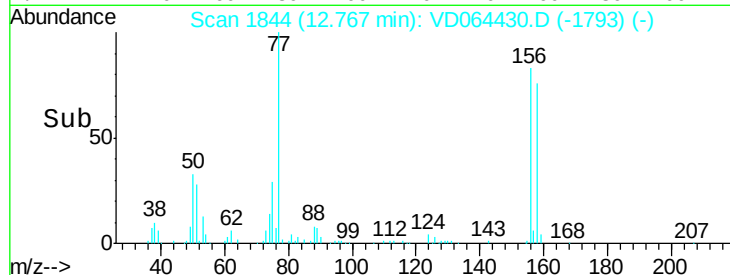
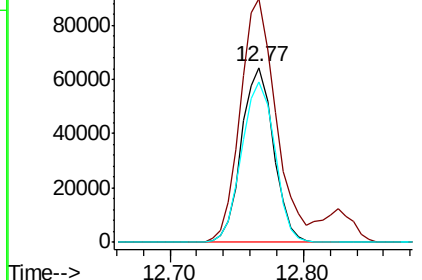
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.717 ug/l

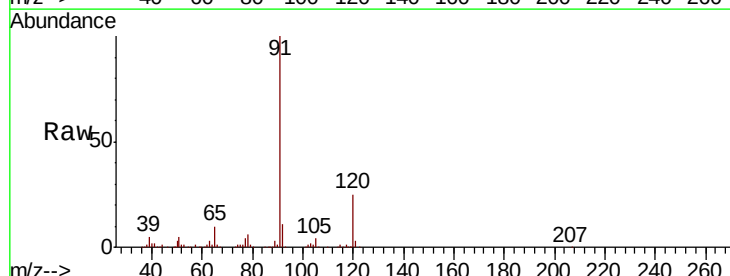
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064430.D

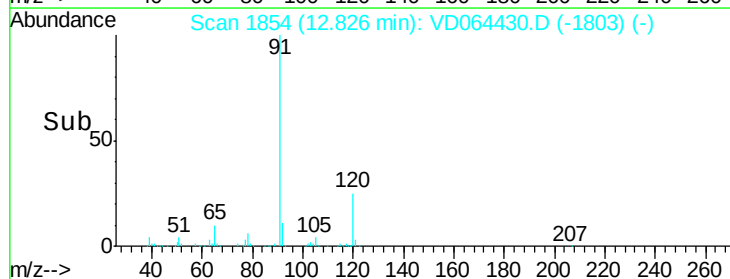
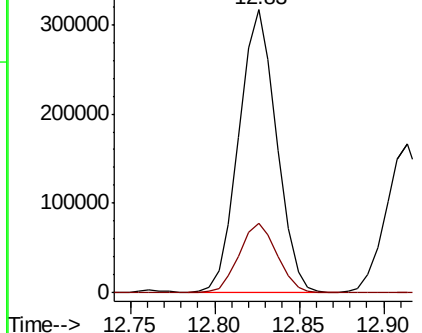
Acq: 05 Dec 2019 12:14

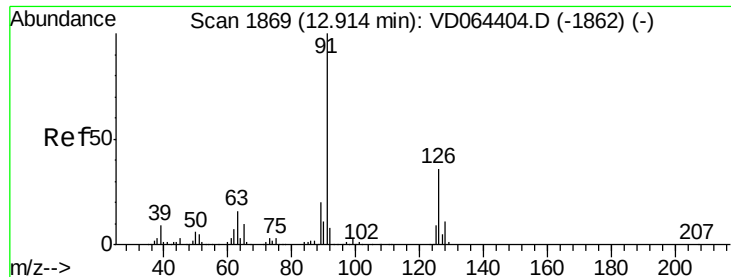
Tgt Ion:	91	Resp:	491400
Ion Ratio	Lower	Upper	
91	100		
120	24.6	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





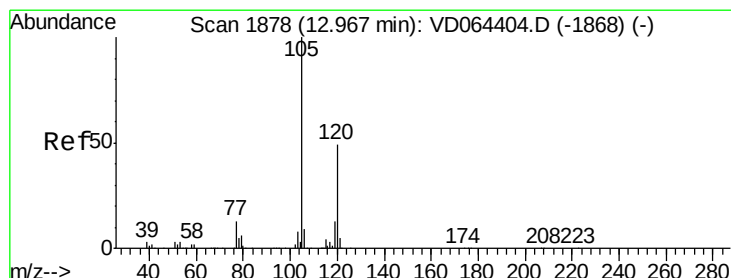
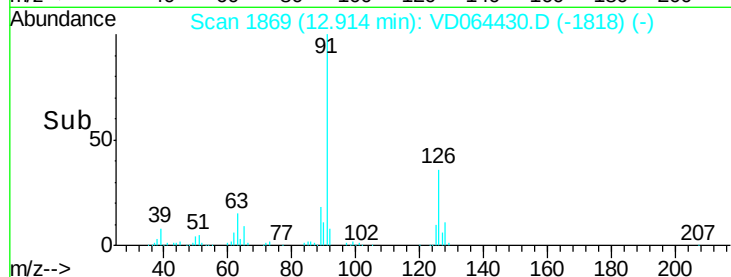
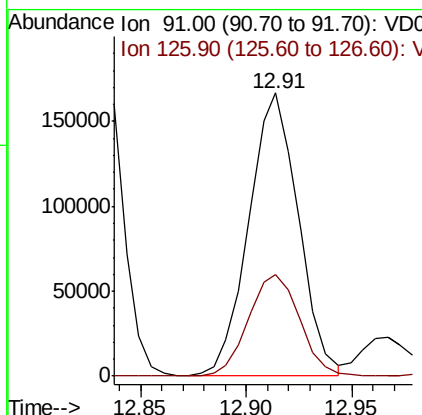
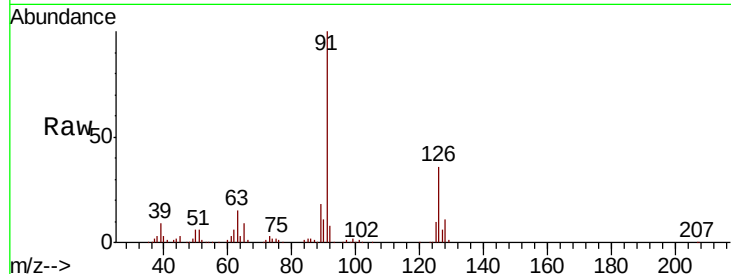
#79
 2-Chlorotoluene
 Concen: 19.788 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion: 91 Resp: 271368
 Ion Ratio Lower Upper
 91 100
 126 37.2 18.0 54.0

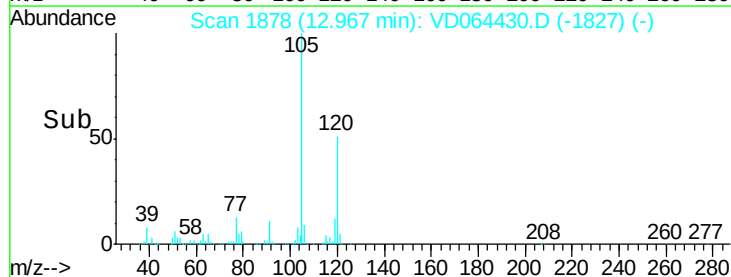
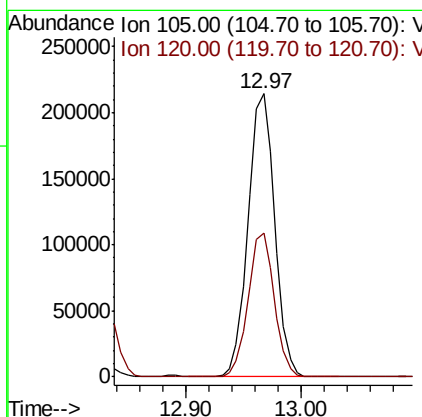
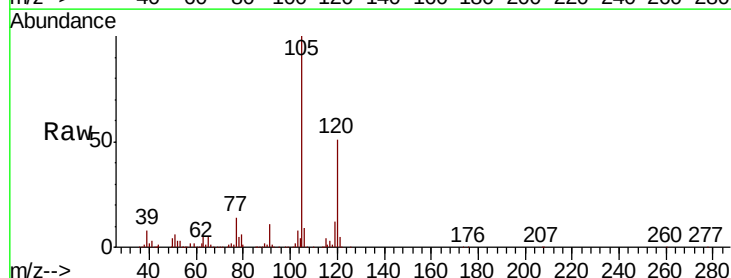
Manual Integrations
 APPROVED

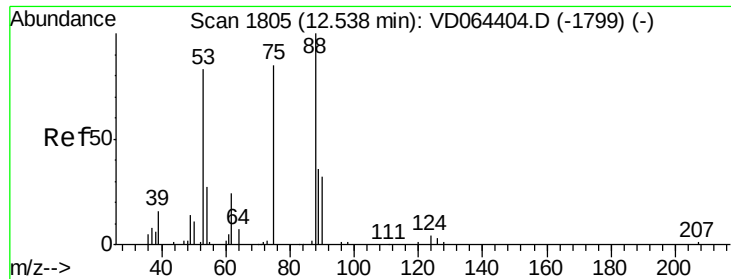
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.514 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion: 105 Resp: 344471
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.1 75.3





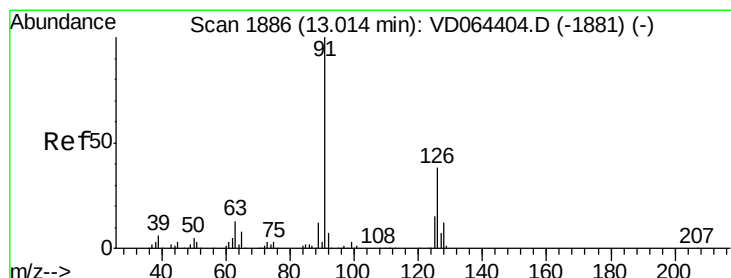
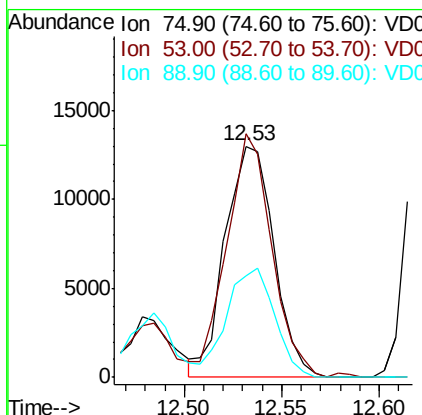
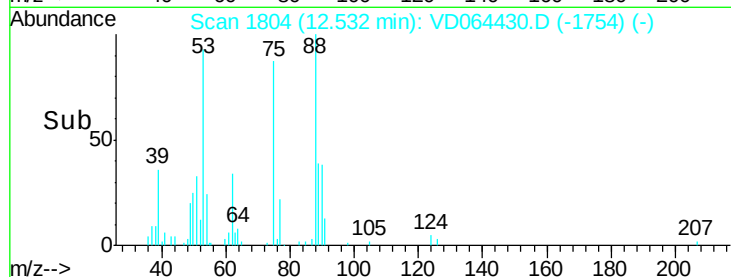
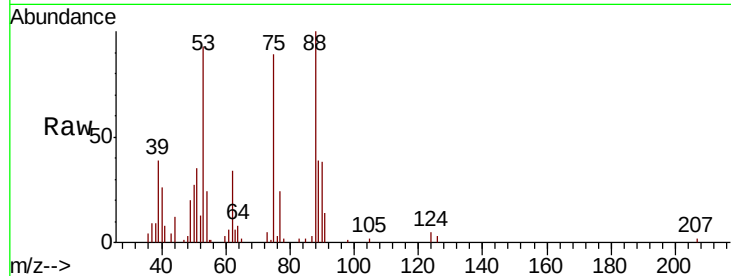
#81
trans-1,4-Dichloro-2-butene
Concen: 19.881 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.1	81.0	121.6
89	46.0	38.5	57.7

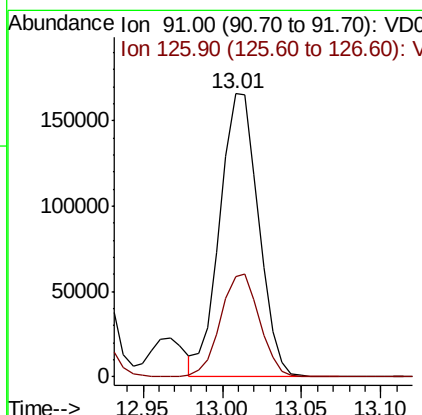
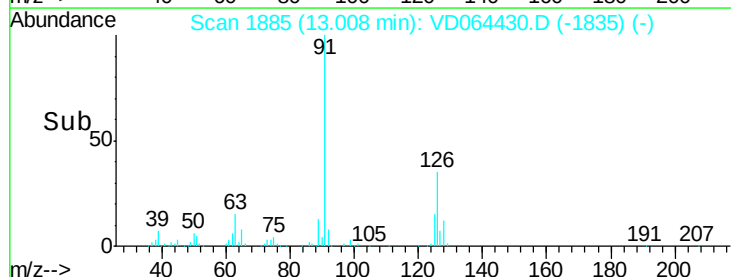
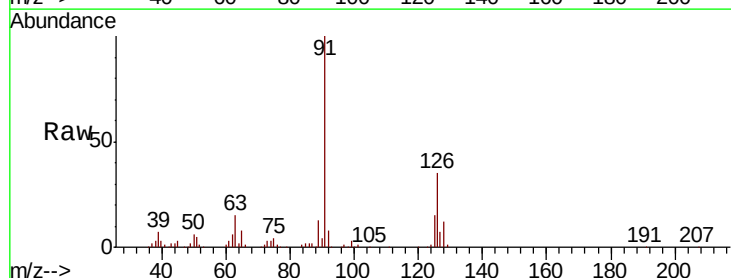
Manual Integrations
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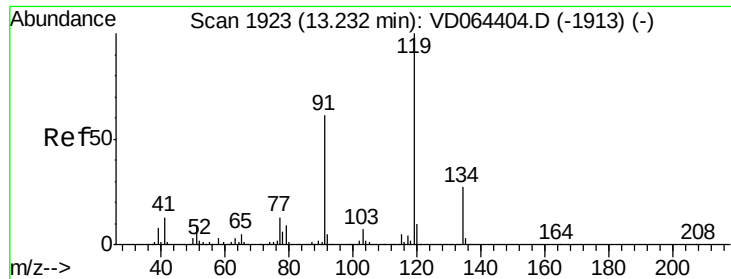
apatel
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#82
4-Chlorotoluene
Concen: 19.397 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.2	54.6





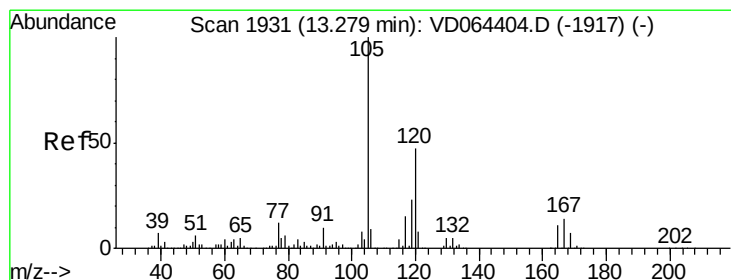
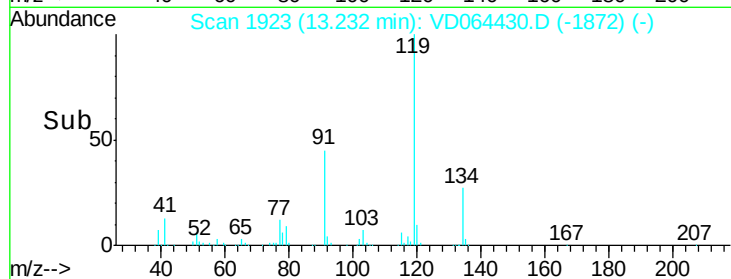
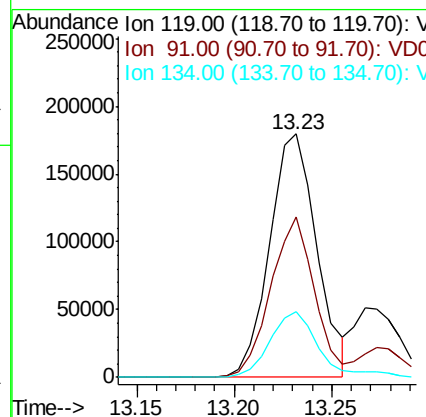
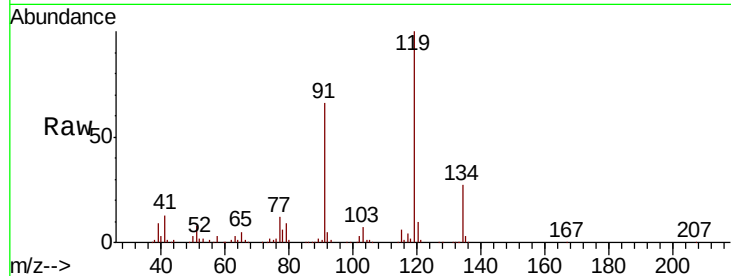
#83
 tert-Butylbenzene
 Concen: 19.621 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301118		
91	60.9		31.2	93.6
134	27.9		13.9	41.7

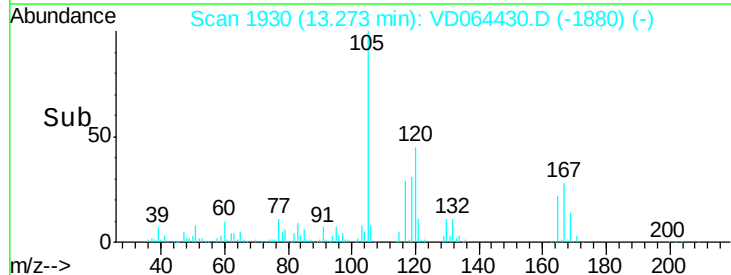
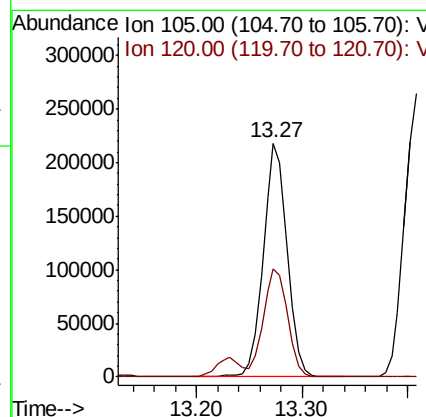
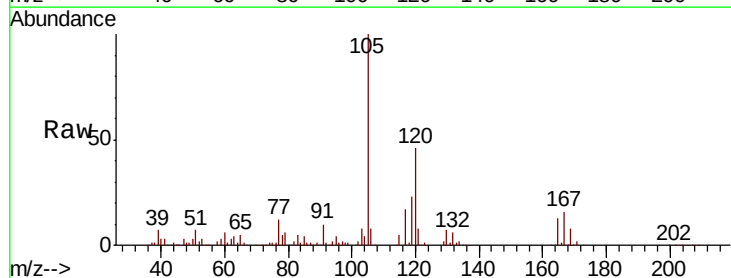
Manual Integrations
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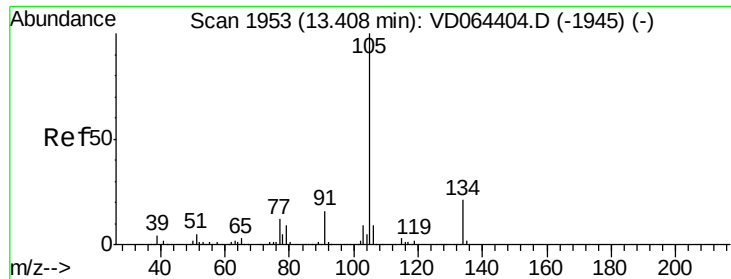
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.298 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	342537		
120	46.8		23.6	70.8





#85

sec-Butylbenzene

Concen: 19.361 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion:105 Resp: 407796

Ion Ratio Lower Upper

105 100

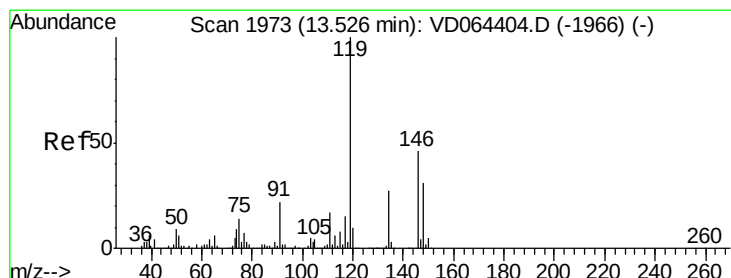
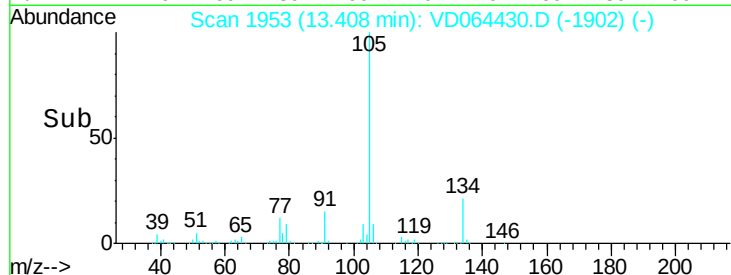
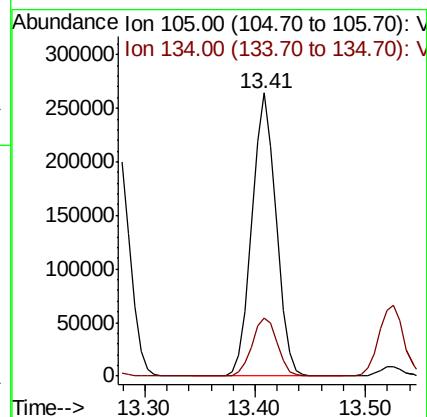
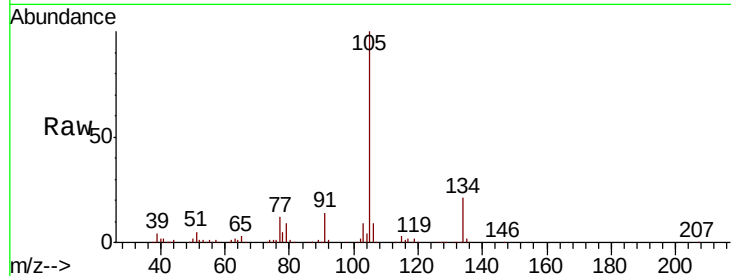
134 21.4 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.203 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

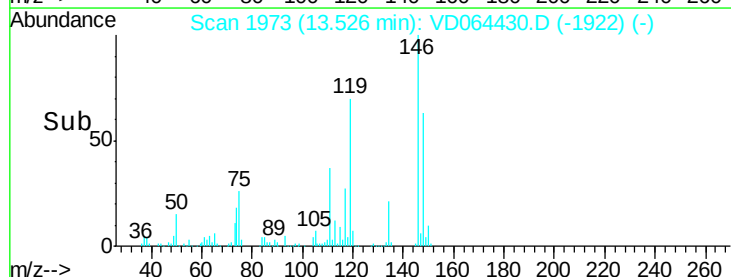
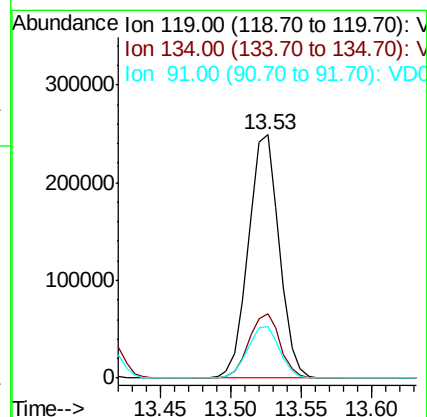
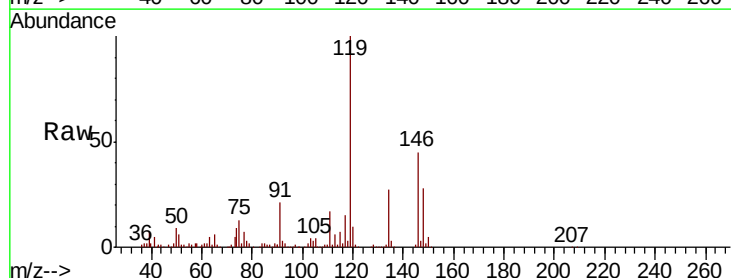
Tgt Ion:119 Resp: 381861

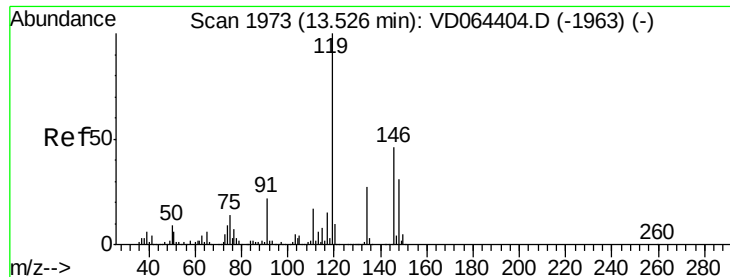
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 21.8 11.2 33.5





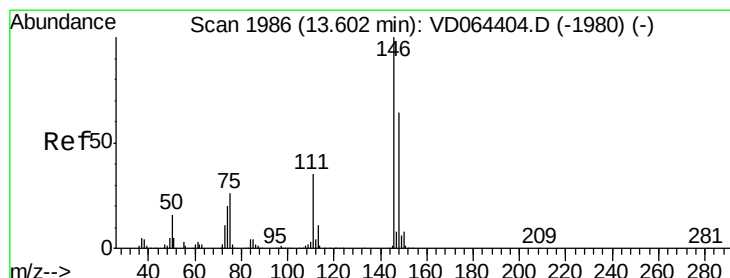
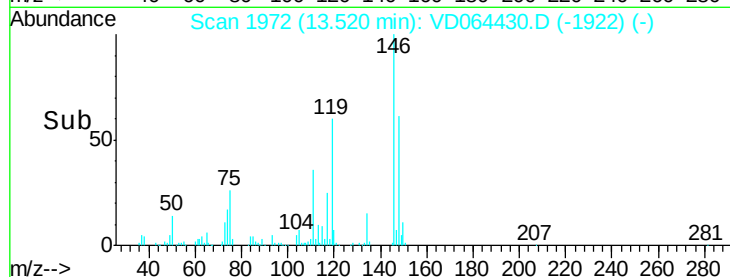
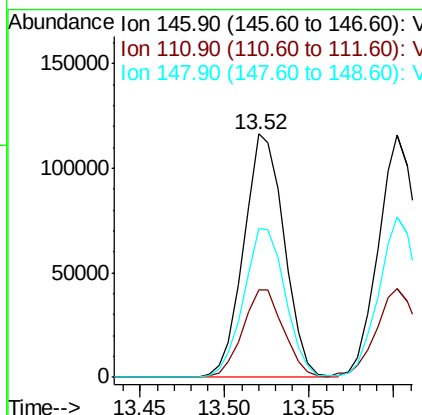
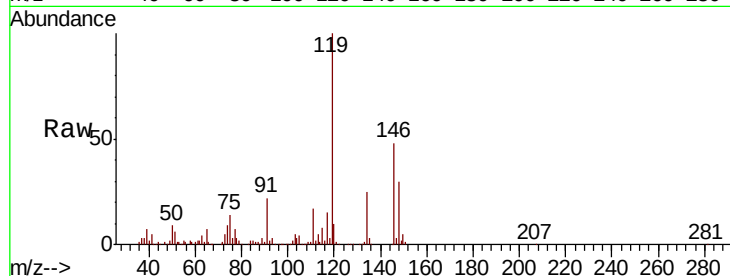
#87
 1,3-Dichlorobenzene
 Concen: 19.197 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.4
148	62.9	32.6	97.8

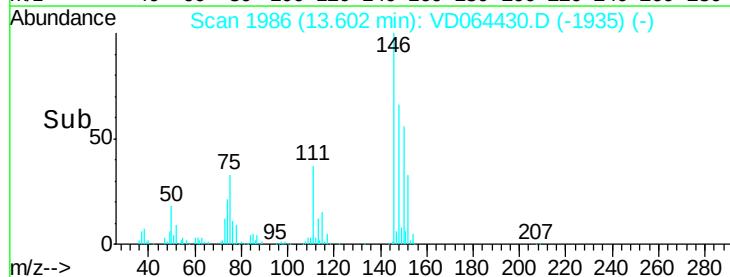
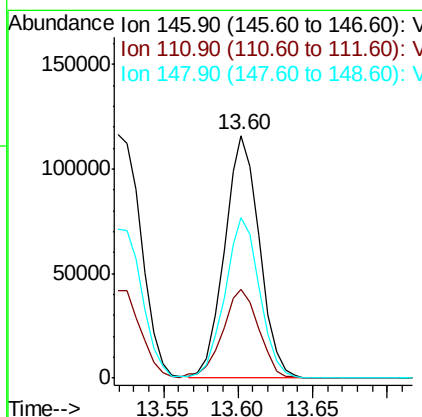
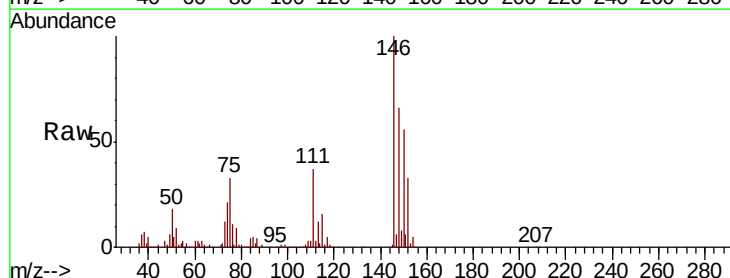
Manual Integrations
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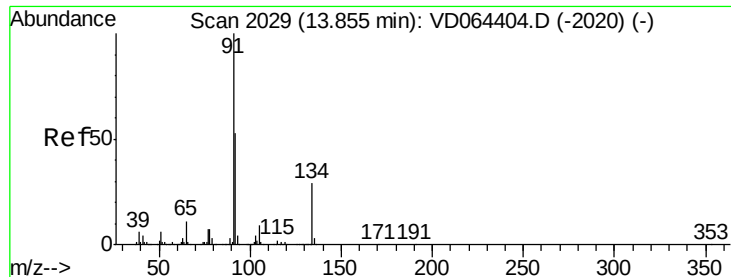
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 18.912 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.2	54.6
148	65.9	31.8	95.4





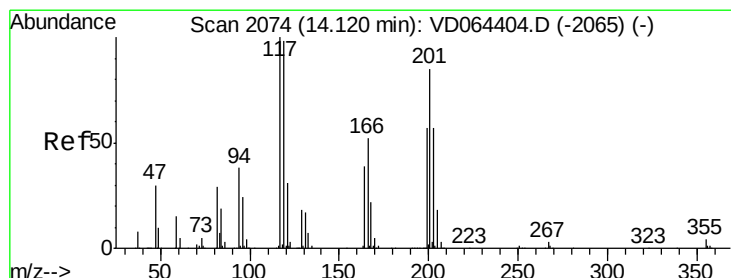
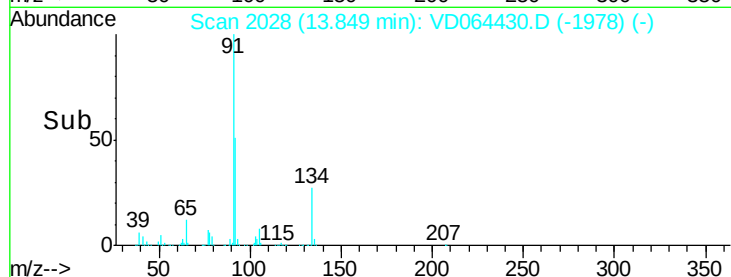
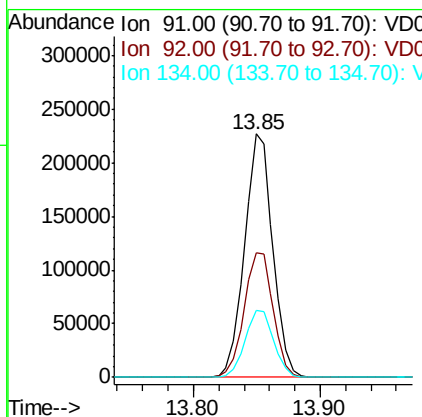
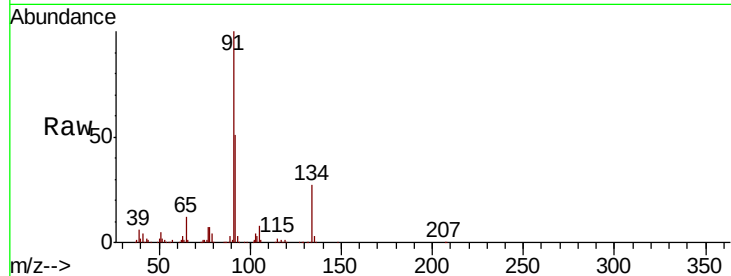
#89
n-Butylbenzene
Concen: 19.335 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		349144		
92	52.7	26.5	79.4		
134	27.8	13.9	41.7		

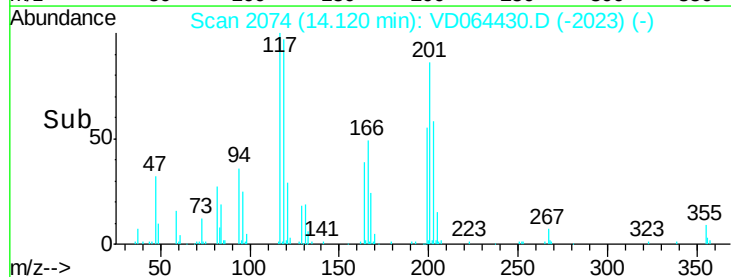
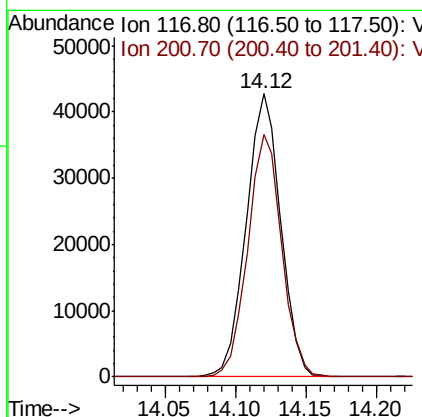
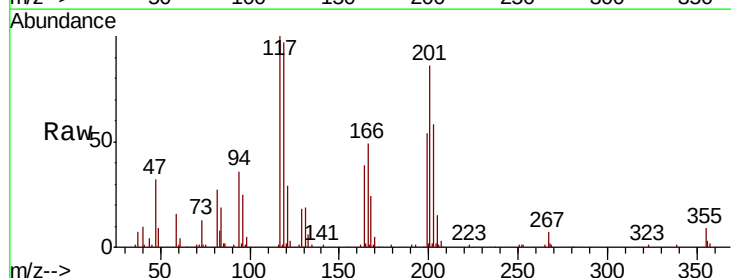
Manual Integrations
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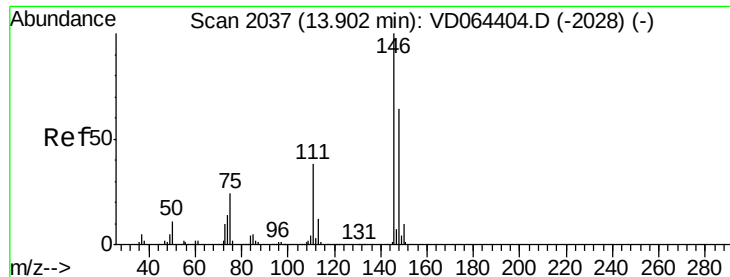
apatel
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#90
Hexachloroethane
Concen: 19.723 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		73355		
201	84.2	44.3	132.8		





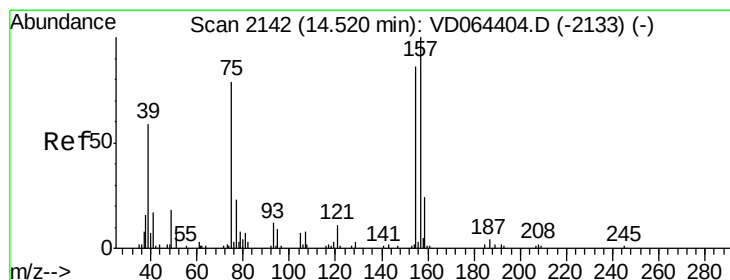
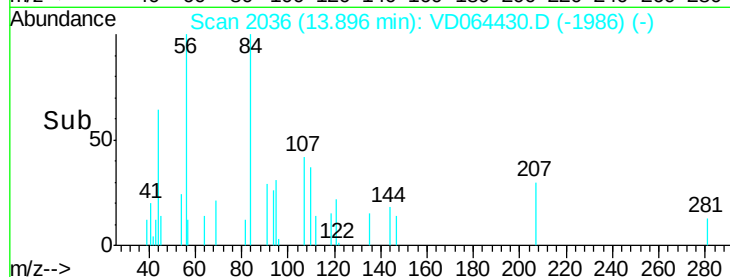
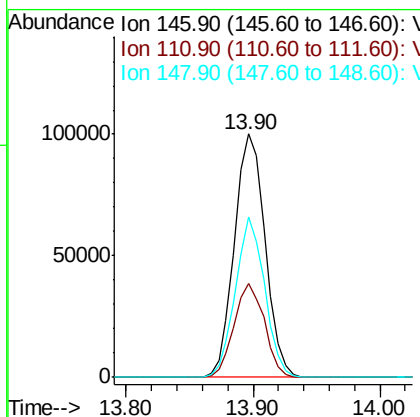
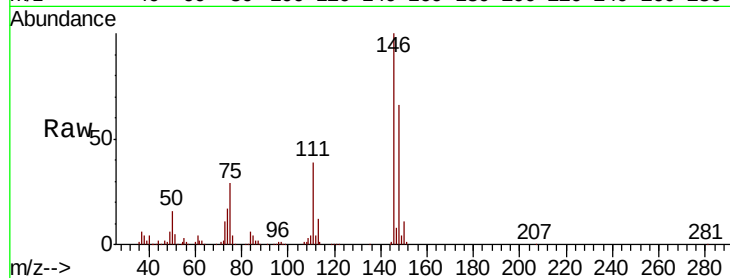
#91
 1,2-Dichlorobenzene
 Concen: 19.428 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	62.5	32.0	96.0

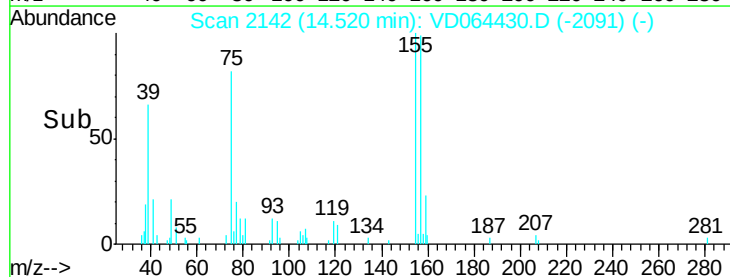
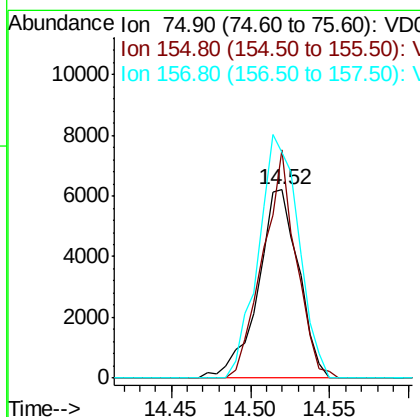
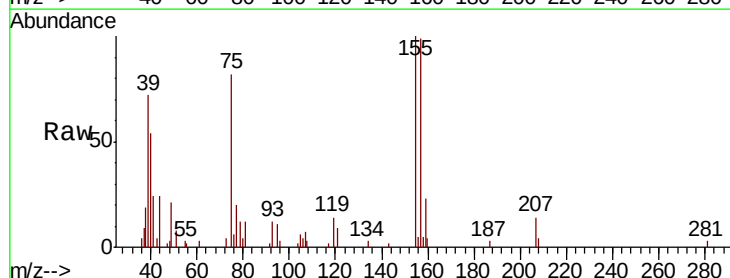
Manual Integrations
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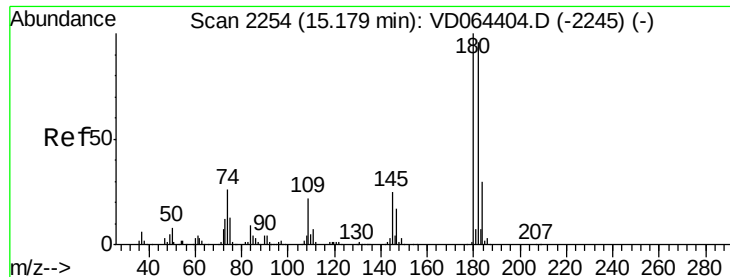
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.938 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	51.9	155.7
157	128.0	63.2	189.8





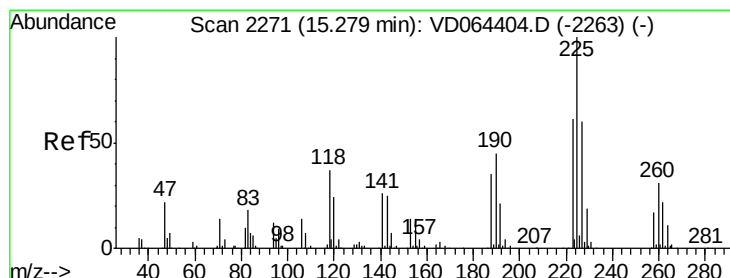
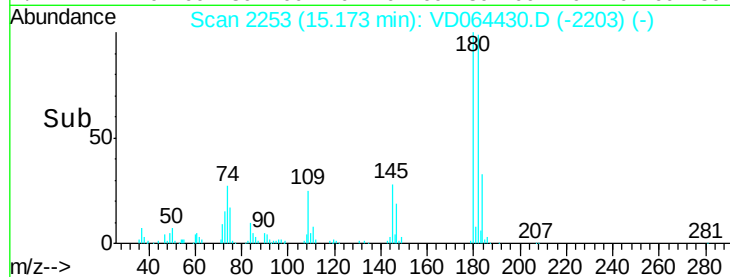
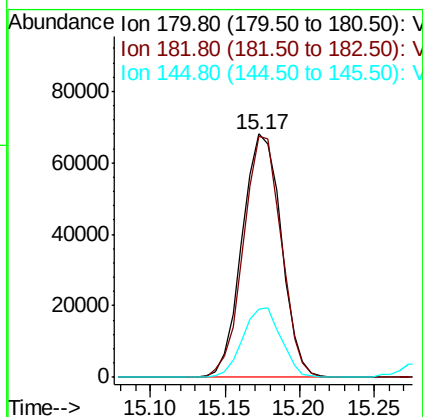
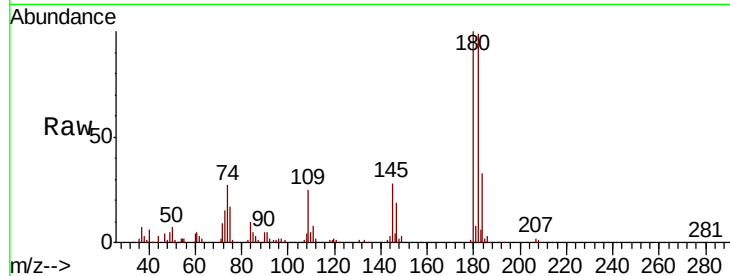
#93
 1,2,4-Trichlorobenzene
 Concen: 18.674 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	28.0	14.0	41.9

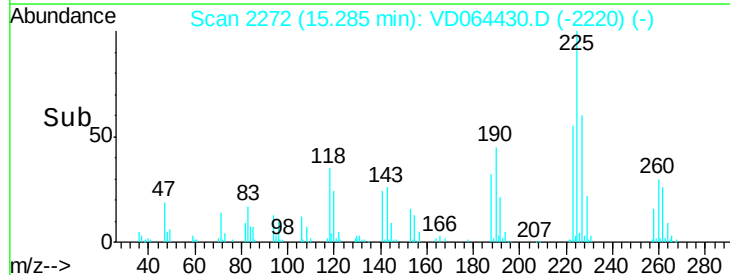
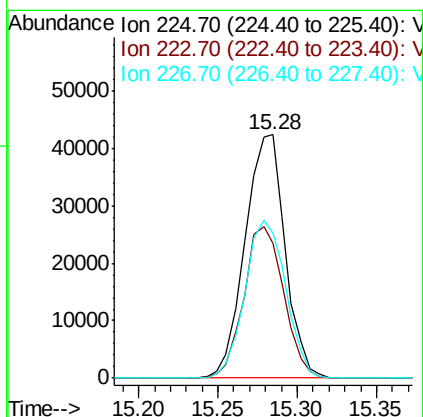
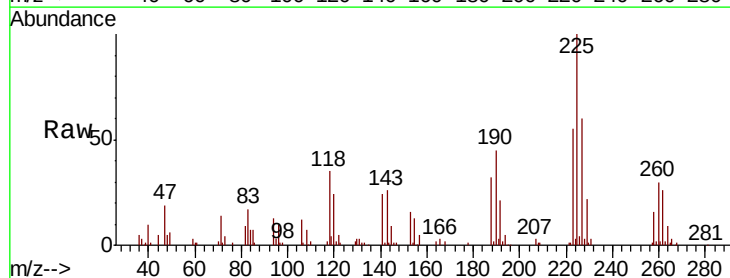
Manual Integrations
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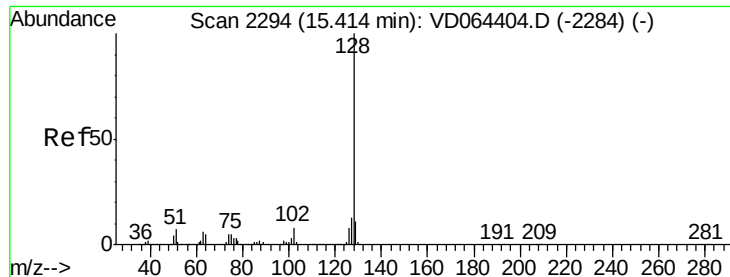
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 12/6/2019 12:59:16 PM



#94
 Hexachlorobutadiene
 Concen: 18.215 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.1	93.3
227	65.9	31.8	95.4





#95

Naphthalene

Concen: 18.831 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

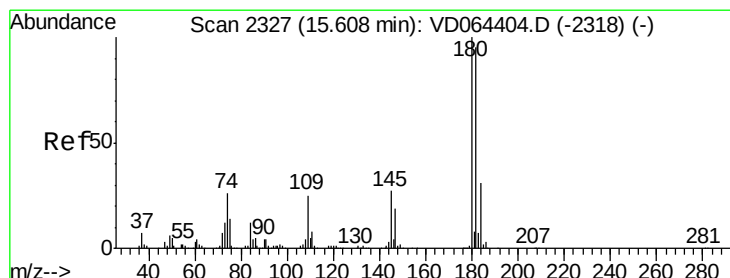
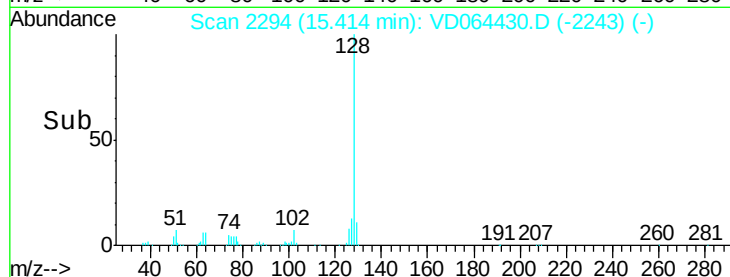
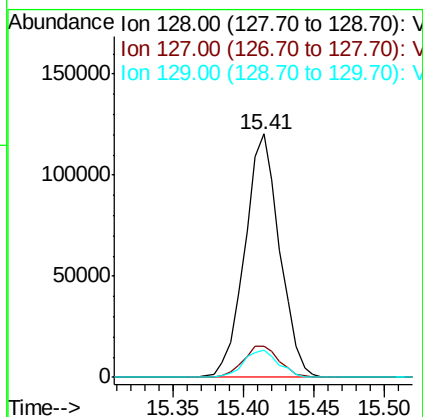
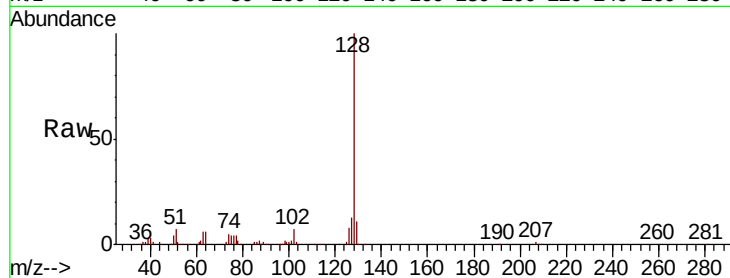
ClientSampleId :

VD1205SBSD01

Tot Ion:	128	Resp:	208245
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	11.3	8.8	13.2

Manual Integrations
APPROVED

apatel
12/6/2019 12:59:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.669 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Tgt Ion:	180	Resp:	105598
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.6	142.9
145	30.0	14.6	43.8

