

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082818\
 Data File : VX004275.D
 Acq On : 28 Aug 2018 18:23
 Operator : JC/MD
 Sample : VX0828MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0828MBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 5:51:20 PM

Quant Time: Aug 29 00:56:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	350415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	508914	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	452046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	259350	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	217261	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	5.50	113	186426	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	8.71	98	705842	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.14	95	262836	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	78955	19.45	ug/l	97
3) Chloromethane	1.32	50	91900	20.66	ug/l	99
4) Vinyl Chloride	1.40	62	90686	19.75	ug/l	99
5) Bromomethane	1.64	94	45108	18.66	ug/l	98
6) Chloroethane	1.72	64	61418	18.13	ug/l	97
7) Trichlorofluoromethane	1.92	101	120287	19.12	ug/l	94
8) Diethyl Ether	2.18	74	53665	19.92	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	75453	19.15	ug/l	99
10) Methyl Iodide	2.51	142	70116	18.69	ug/l	98
11) Tert butyl alcohol	3.07	59	103158	105.96	ug/l	100
12) 1,1-Dichloroethene	2.37	96	70385	18.96	ug/l	99
13) Acrolein	2.29	56	21561	91.86	ug/l	98
14) Allyl chloride	2.73	41	129838	19.04	ug/l	100
15) Acrylonitrile	3.15	53	235474	97.66	ug/l	100
16) Acetone	2.45	43	194337	99.37	ug/l	99
17) Carbon Disulfide	2.57	76	173610	17.37	ug/l	100
18) Methyl Acetate	2.78	43	155874	23.00	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	253891	20.75	ug/l	98
20) Methylene Chloride	2.85	84	83617	19.02	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	76442	18.60	ug/l	98
22) Diisopropyl ether	3.87	45	248546	19.52	ug/l	98
23) Vinyl Acetate	3.82	43	984061	95.34	ug/l	99
24) 1,1-Dichloroethane	3.69	63	146908	19.80	ug/l	99
25) 2-Butanone	4.71	43	308277	99.01	ug/l	98
26) 2,2-Dichloropropane	4.59	77	109534	18.82	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	90498	19.42	ug/l	98
28) Bromochloromethane	5.01	49	65190	19.84	ug/l	99
29) Tetrahydrofuran	5.17	42	197068	100.43	ug/l	98
30) Chloroform	5.21	83	144119	19.37	ug/l	97
31) Cyclohexane	5.57	56	121629	18.99	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	121065	19.51	ug/l	99
36) 1,1-Dichloropropene	5.80	75	106543	18.62	ug/l	99
37) Ethyl Acetate	4.86	43	112141	19.93	ug/l	99
38) Carbon Tetrachloride	5.78	117	101637	18.88	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	119896	18.35	ug/l	99
40) Benzene	6.14	78	333505	19.51	ug/l	98
41) Methacrylonitrile	5.06	41	65175	19.98	ug/l	99
42) 1,2-Dichloroethane	6.20	62	113047	19.39	ug/l	99
43) Isopropyl Acetate	6.46	43	174264	20.15	ug/l	99
44) Trichloroethene	7.21	130	90854	19.20	ug/l	97
45) 1,2-Dichloropropane	7.52	63	82517	19.29	ug/l	98
46) Dibromomethane	7.67	93	54598	19.16	ug/l	99
47) Bromodichloromethane	7.90	83	99838	18.83	ug/l	99
48) Methyl methacrylate	7.78	41	90688	19.60	ug/l	99
49) 1,4-Dioxane	7.76	88	42318	402.87	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	599250	95.39	ug/l	99
52) Toluene	8.79	92	214444	20.04	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	111605	19.06	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	124480	19.52	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	86519	20.03	ug/l	99
56) Ethyl methacrylate	9.18	69	120767	20.54	ug/l	99
57) 1,3-Dichloropropane	9.37	76	144050	19.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	320360	106.32	ug/l	100
59) 2-Hexanone	9.50	43	456361	95.22	ug/l	99
60) Dibromochloromethane	9.59	129	78110	18.56	ug/l	100
61) 1,2-Dibromoethane	9.67	107	85886	19.21	ug/l	97
64) Tetrachloroethene	9.34	164	91875	20.57	ug/l	100
65) Chlorobenzene	10.14	112	228221	20.12	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	75609	19.32	ug/l	99
67) Ethyl Benzene	10.26	91	363251	19.72	ug/l	100
68) m/p-Xylenes	10.36	106	299818	41.62	ug/l	100
69) o-Xylene	10.70	106	148106	21.73	ug/l	97
70) Styrene	10.71	104	239473	21.70	ug/l	100
71) Bromoform	10.86	173	60351	19.13	ug/l	99
73) Isopropylbenzene	11.02	105	402546	23.63	ug/l	99
74) N-amyl acetate	10.90	43	147928	22.56	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	130921	21.96	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	117068m	22.19	ug/l	
77) Bromobenzene	11.26	156	107787	22.56	ug/l	98
78) n-propylbenzene	11.36	91	444334	22.68	ug/l	99
79) 2-Chlorotoluene	11.42	91	271051	22.48	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	329843	23.38	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34531	21.24	ug/l	97
82) 4-Chlorotoluene	11.51	91	312258	22.01	ug/l	99
83) tert-Butylbenzene	11.77	119	319380	22.50	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	341559	23.59	ug/l	99
85) sec-Butylbenzene	11.94	105	379751	22.54	ug/l	100
86) p-Isopropyltoluene	12.07	119	319657	21.17	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	187573	20.85	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	184060	19.40	ug/l	98
89) n-Butylbenzene	12.39	91	254821	20.75	ug/l	99
90) Hexachloroethane	12.60	117	42782	20.27	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	170029	20.68	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22467	21.40	ug/l	98

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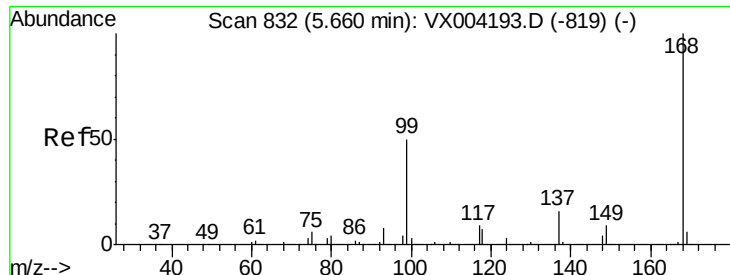
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	121834	20.37	ug/l	98
94) Hexachlorobutadiene	13.79	225	53693	19.21	ug/l	95
95) Naphthalene	13.83	128	367309	21.71	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	125092	19.75	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion:168 Resp: 350415

Ion Ratio Lower Upper

168 100

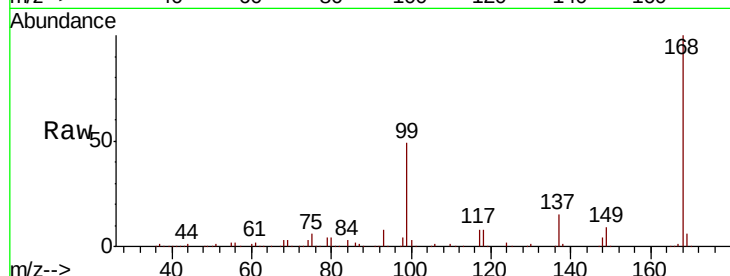
99 48.7 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

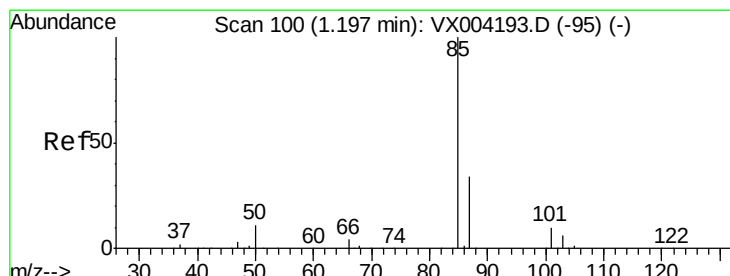
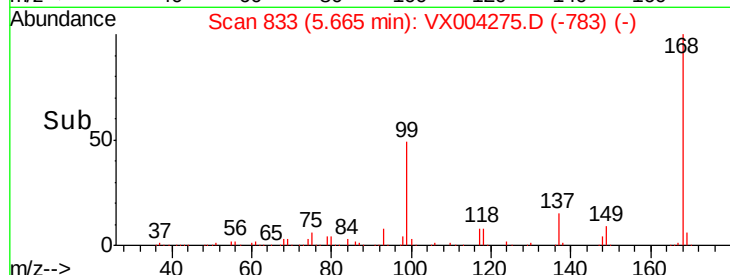
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.45 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004275.D

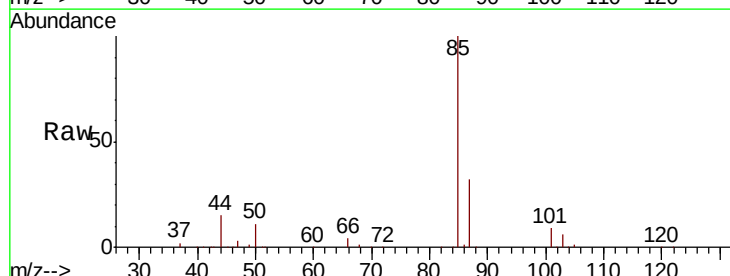
Acq: 28 Aug 2018 18:23

Tgt Ion: 85 Resp: 78955

Ion Ratio Lower Upper

85 100

87 32.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

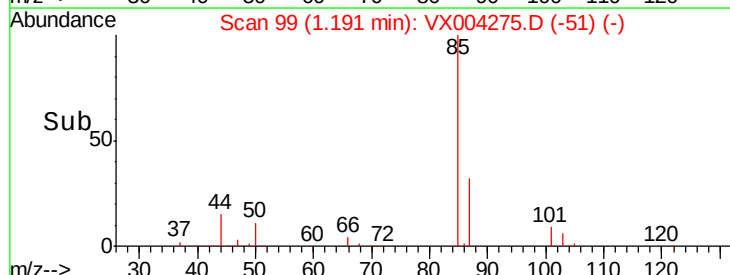
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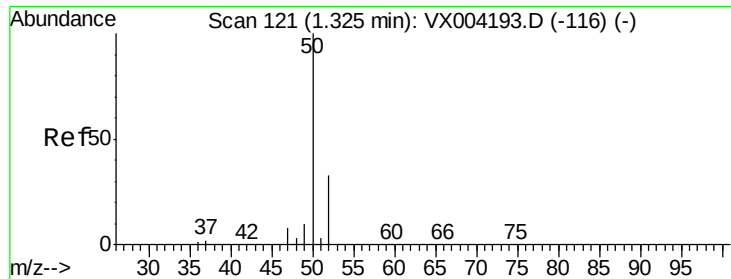
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.66 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion: 50 Resp: 91900

Ion Ratio Lower Upper

50 100

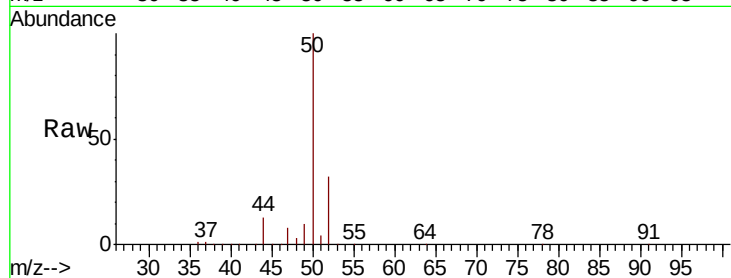
52 32.2 26.2 39.2

Manual Integrations

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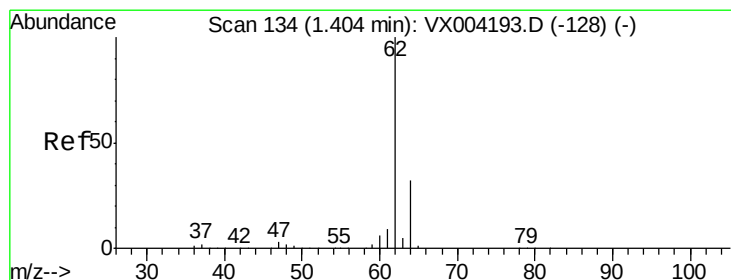
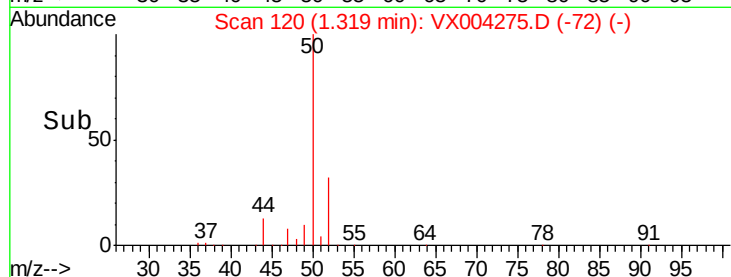
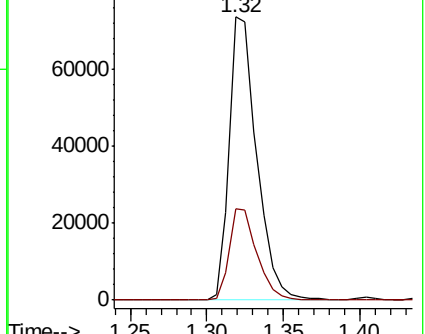
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.75 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004275.D

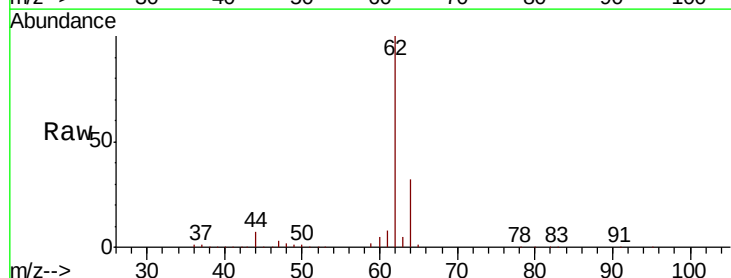
Acq: 28 Aug 2018 18:23

Tgt Ion: 62 Resp: 90686

Ion Ratio Lower Upper

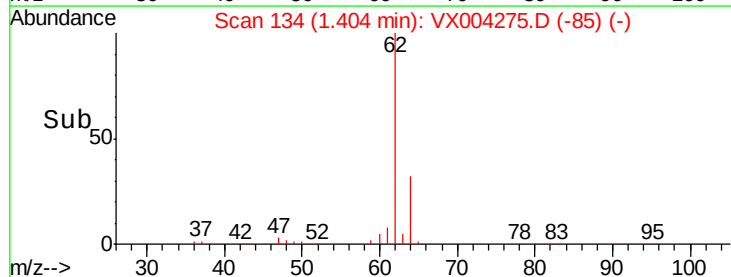
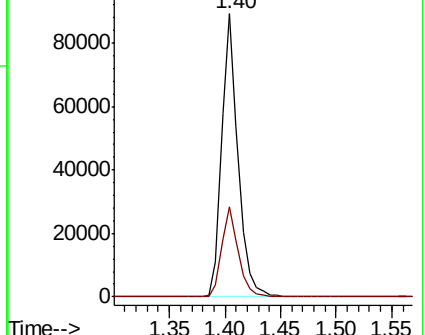
62 100

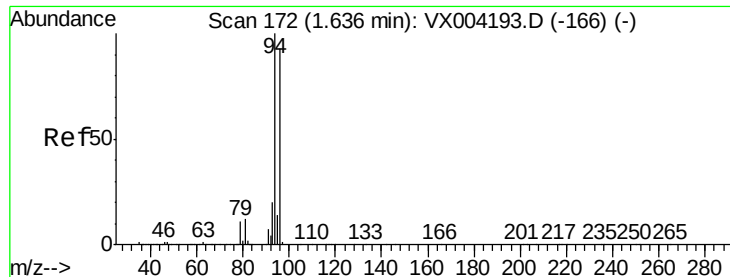
64 31.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.66 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion: 94 Resp: 45108

Ion Ratio Lower Upper

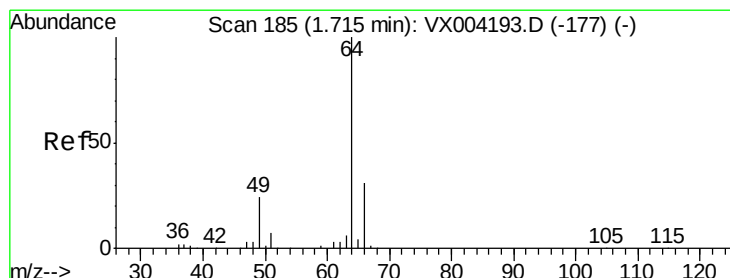
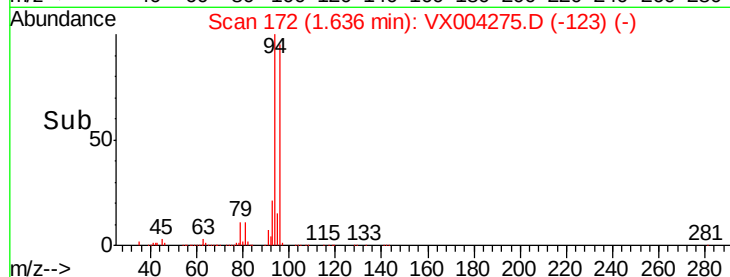
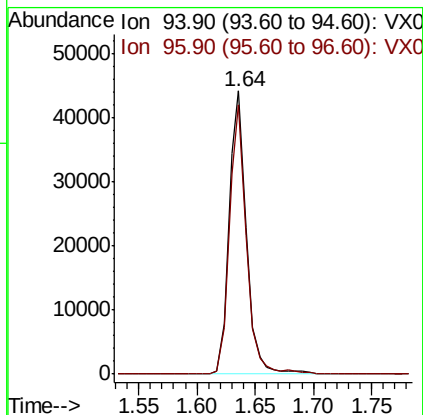
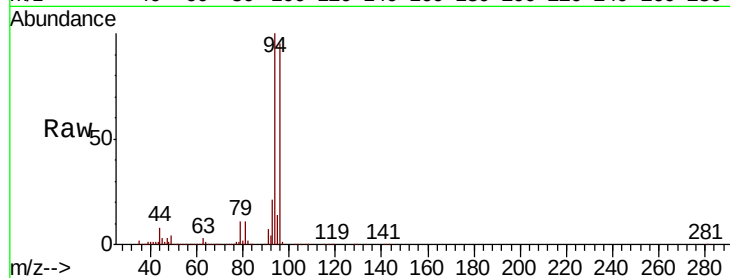
94 100

96 95.1 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 18.13 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004275.D

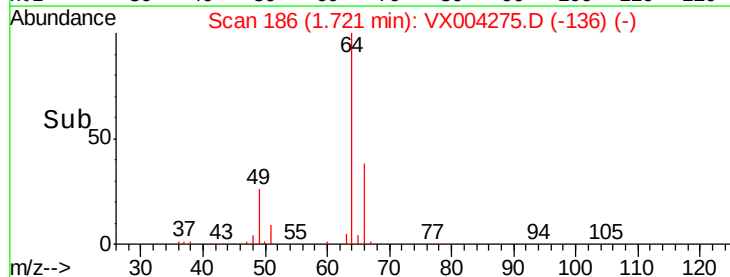
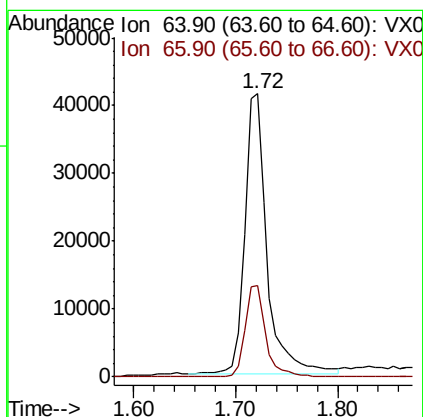
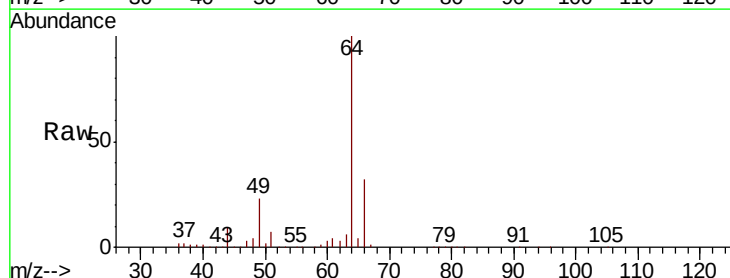
Acq: 28 Aug 2018 18:23

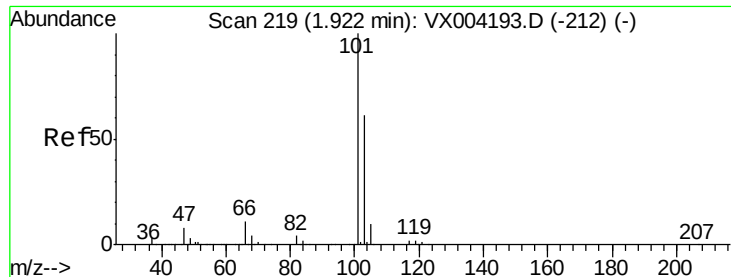
Tgt Ion: 64 Resp: 61418

Ion Ratio Lower Upper

64 100

66 32.3 24.6 36.8





#7

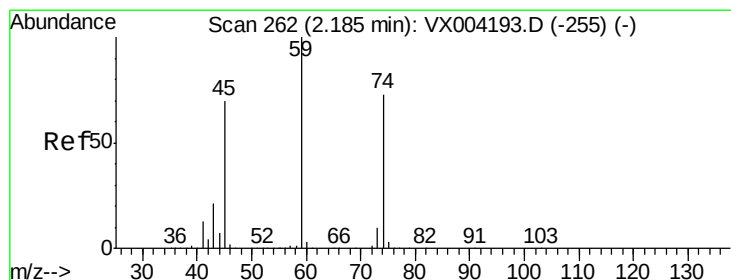
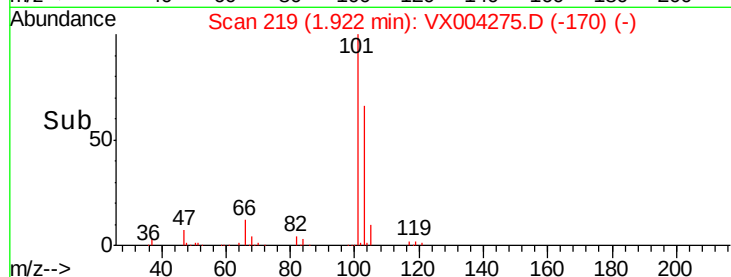
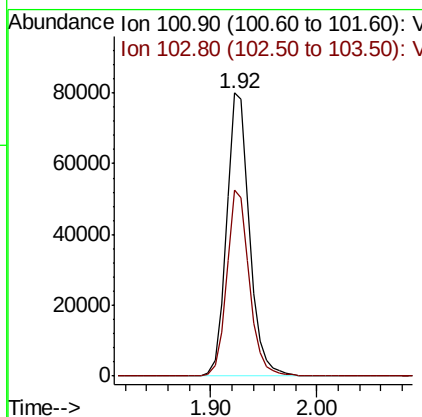
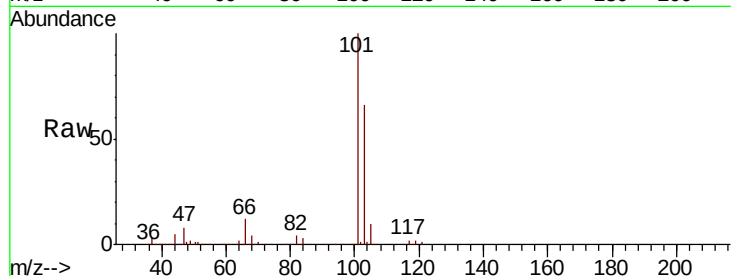
Trichlorofluoromethane
 Concen: 19.12 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Instrument :
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 ClientSampleId :
 VX0828MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	48.9	73.3

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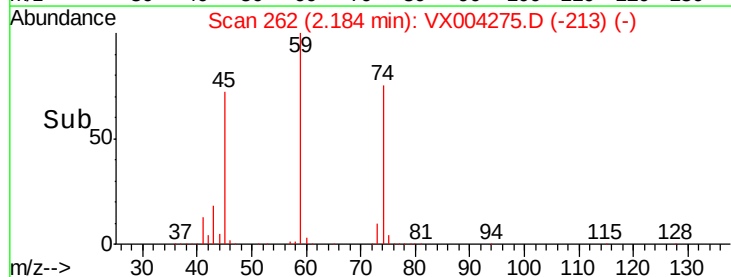
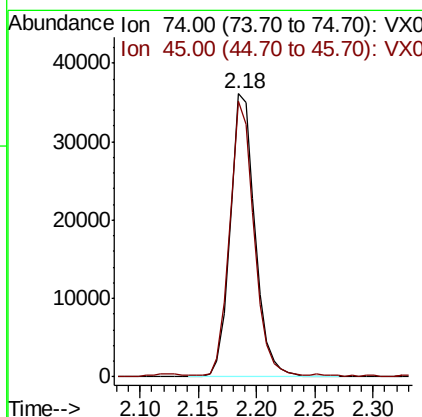
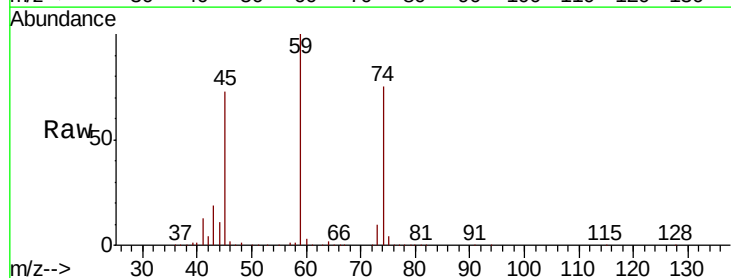
MMDadoda
 8/29/2018 5:51:20 PM

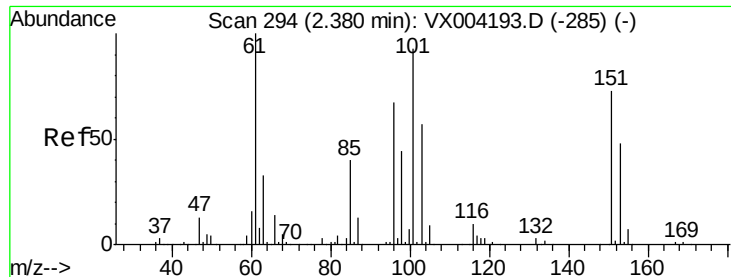


#8

Diethyl Ether
 Concen: 19.92 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.15 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

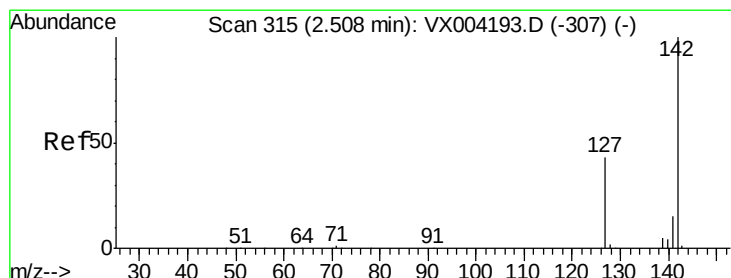
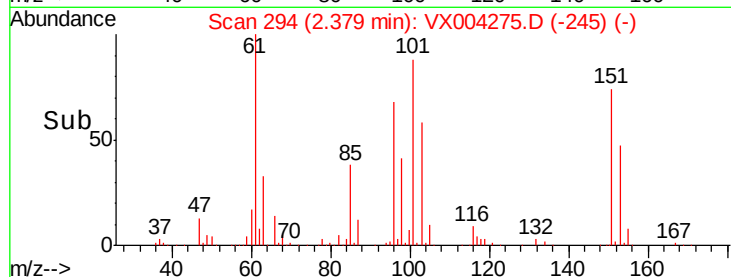
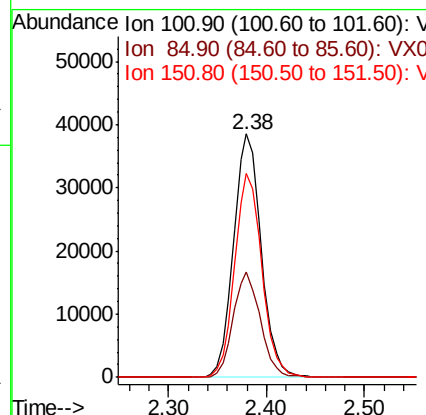
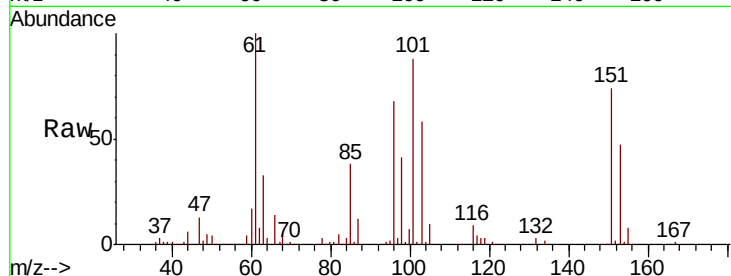
ClientSampleId :

VX0828MBSD01

Tot Ion:	101	Resp:	75453
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	82.5	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.69 ug/l

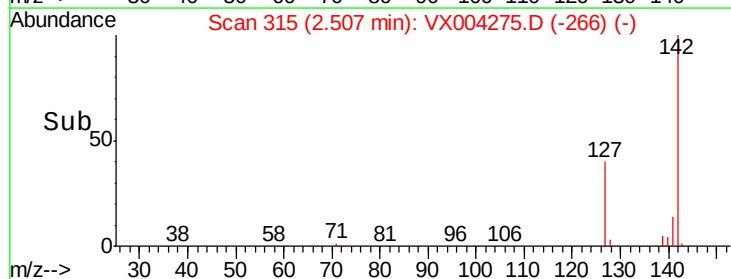
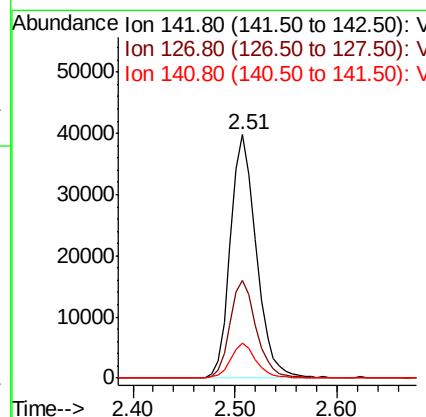
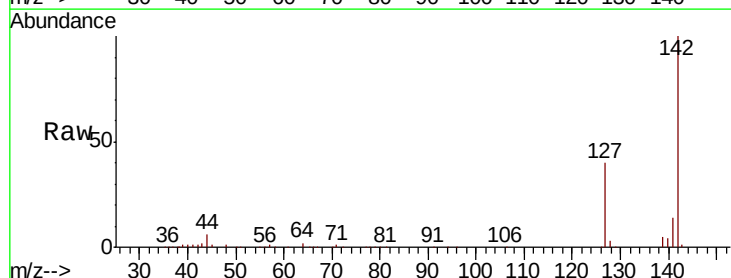
RT: 2.51 min Scan# 315

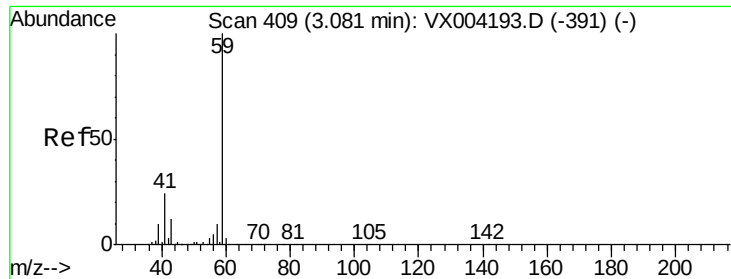
Delta R.T. 0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Tgt Ion:	142	Resp:	70116
Ion Ratio	Lower	Upper	
142	100		
127	40.6	33.8	50.6
141	14.1	11.4	17.0





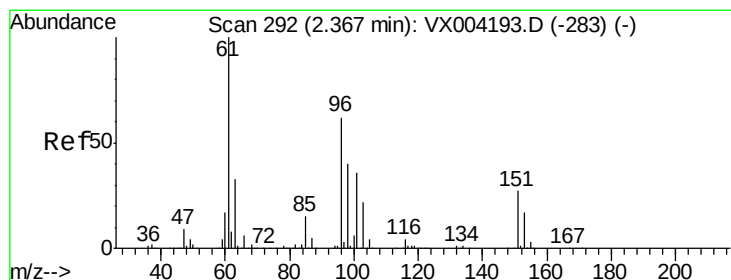
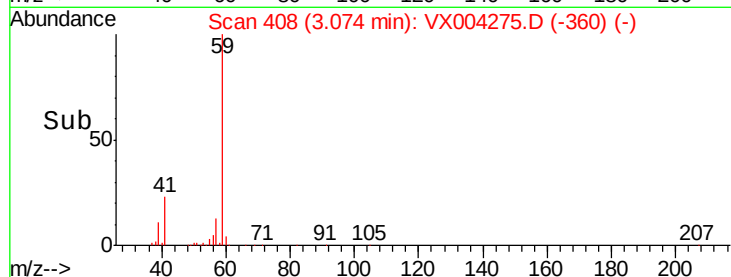
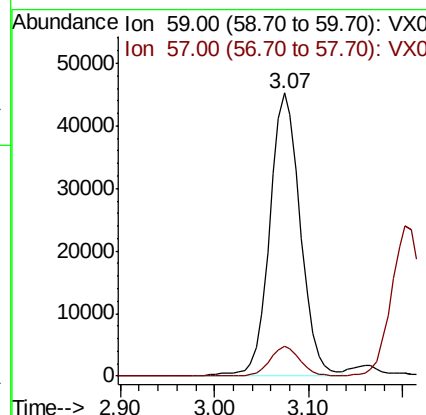
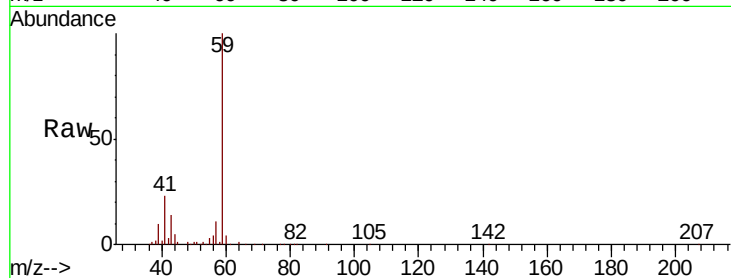
#11
Tert butyl alcohol
Concen: 105.96 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4

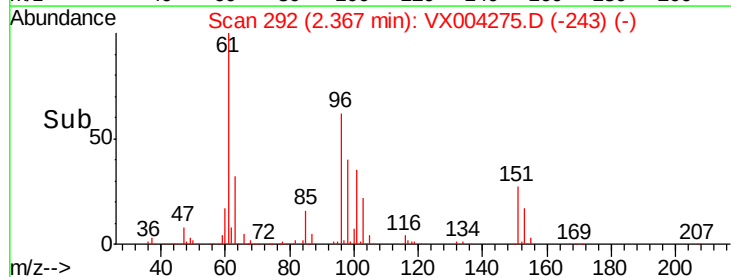
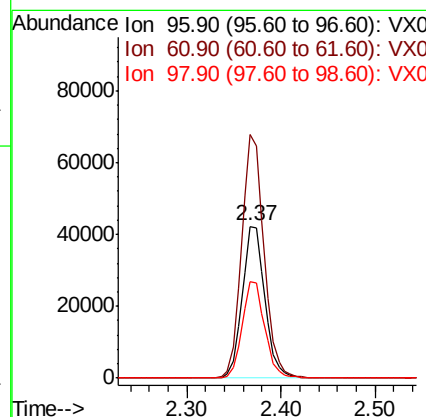
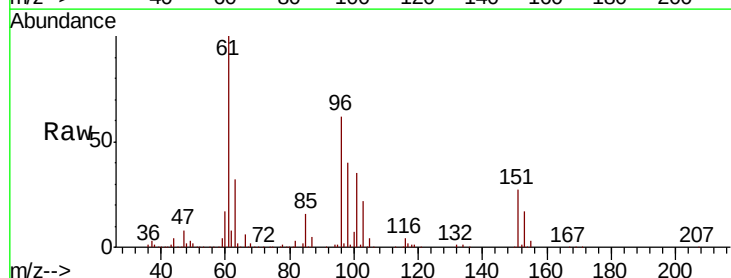
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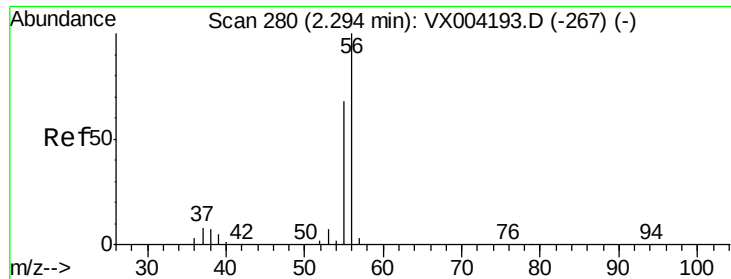
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.96 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.7	128.8	193.2
98	63.8	52.2	78.2





#13

Acrolein

Concen: 91.86 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion: 56 Resp: 21561

Ion Ratio Lower Upper

56 100

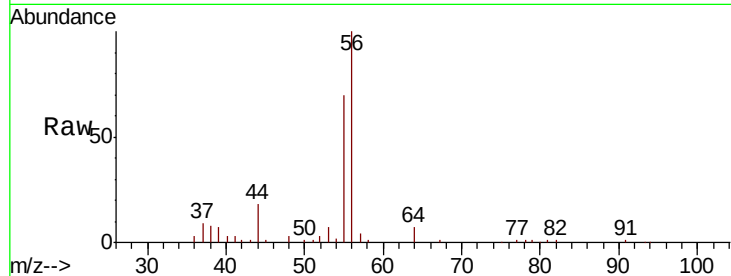
55 70.3 54.7 82.1

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

15000

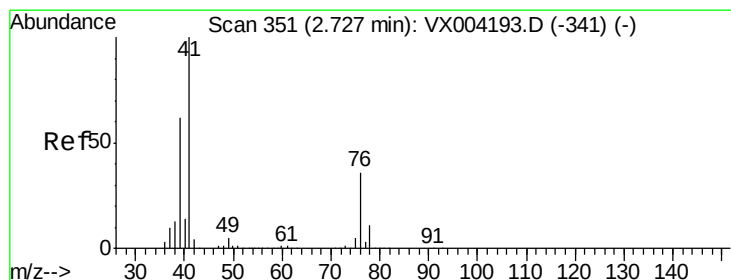
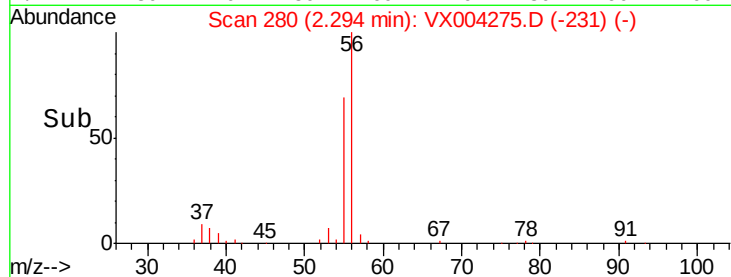
10000

5000

0

2.20 2.25 2.30 2.35 2.40

Time-->



#14

Allyl chloride

Concen: 19.04 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

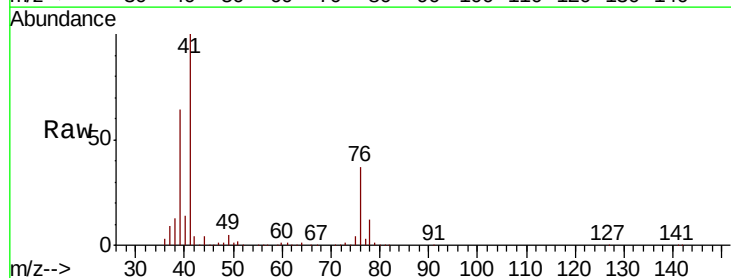
Tgt Ion: 41 Resp: 129838

Ion Ratio Lower Upper

41 100

39 61.0 48.9 73.3

76 34.0 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

60000

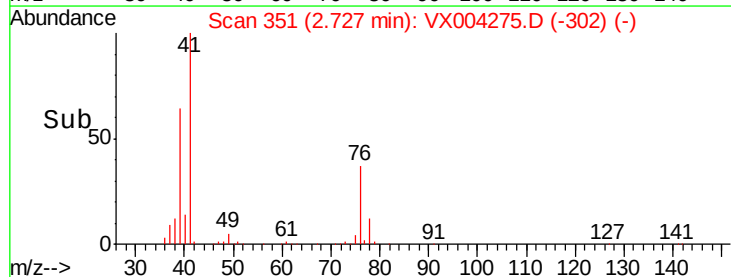
40000

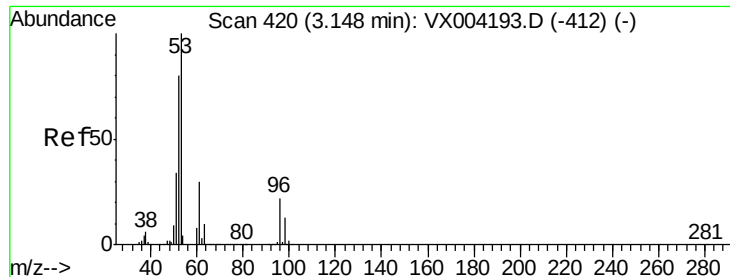
20000

0

2.60 2.70 2.80

Time-->





#15

Acrylonitrile

Concen: 97.66 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

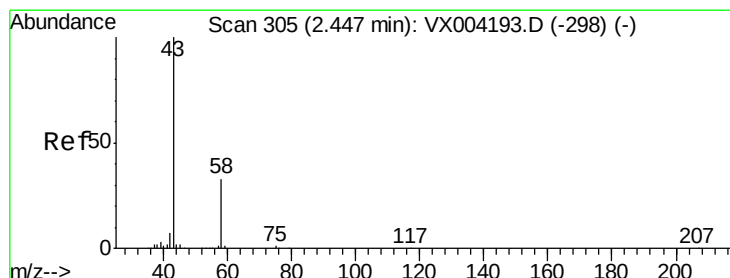
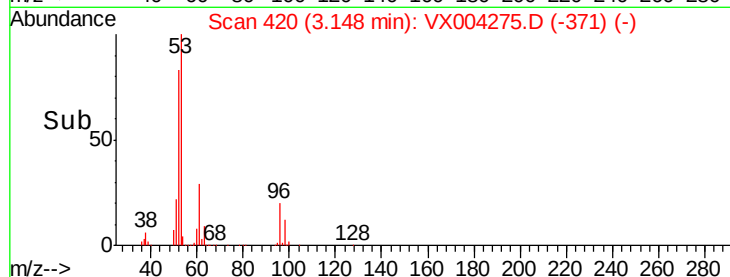
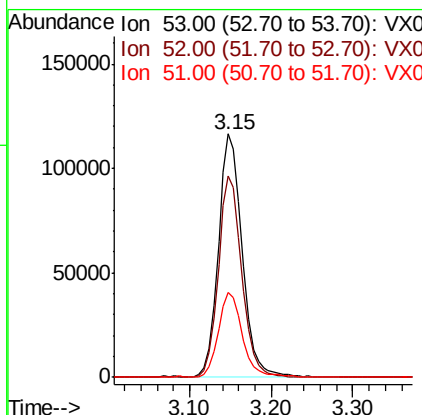
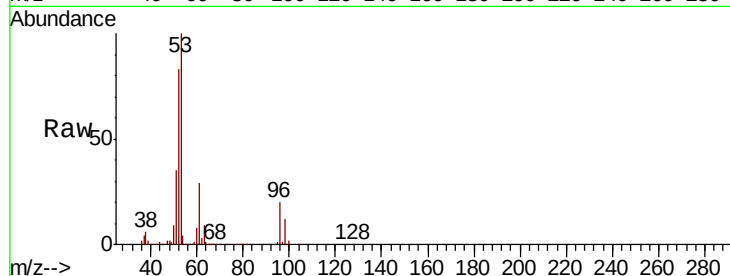
ClientSampleId :

VX0828MBSD01

Tot Ion	53	Resp	235474
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.2	97.8
51	35.3	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 99.37 ug/l

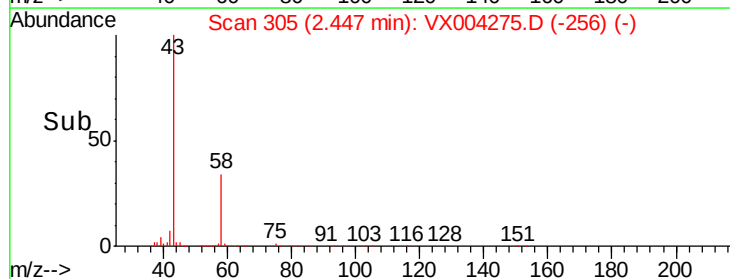
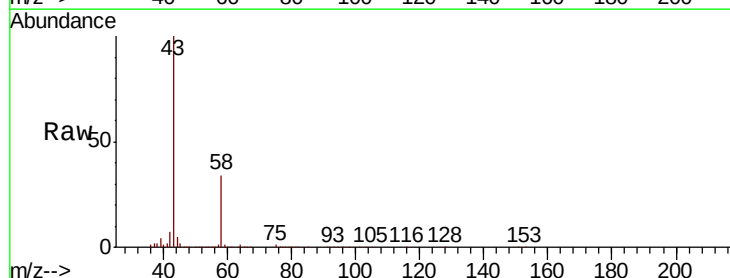
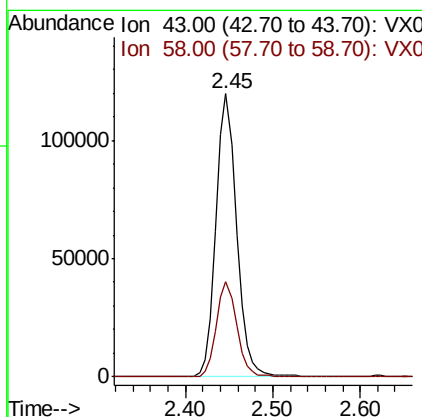
RT: 2.45 min Scan# 305

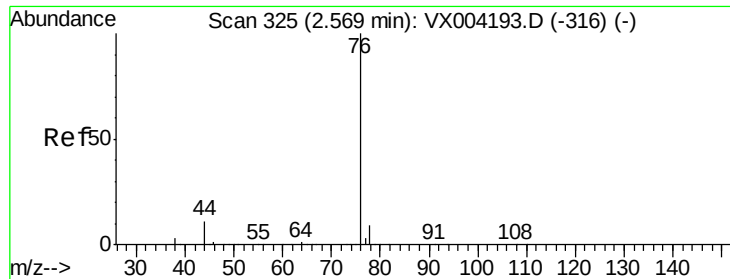
Delta R.T. 0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Tgt Ion	43	Resp	194337
Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.2	39.4





#17

Carbon Disulfide

Concen: 17.37 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion: 76 Resp: 173610

Ion Ratio Lower Upper

76 100

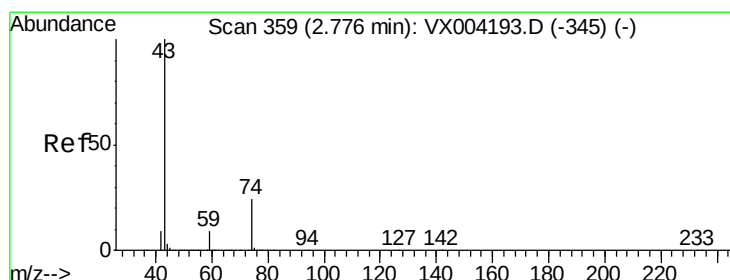
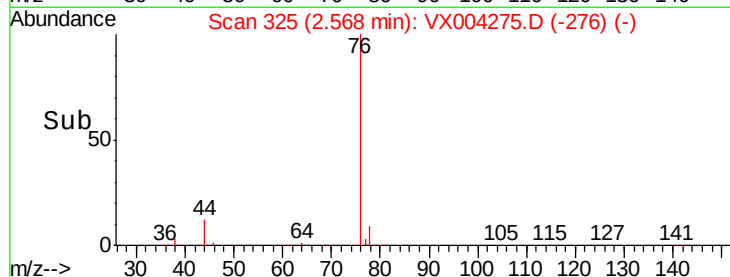
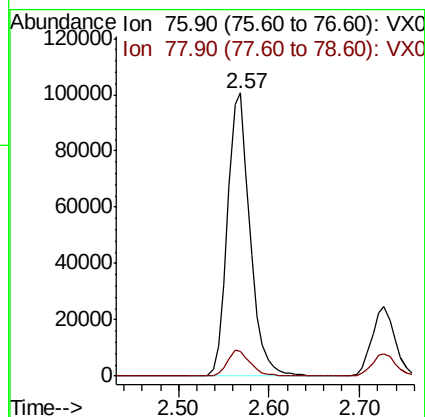
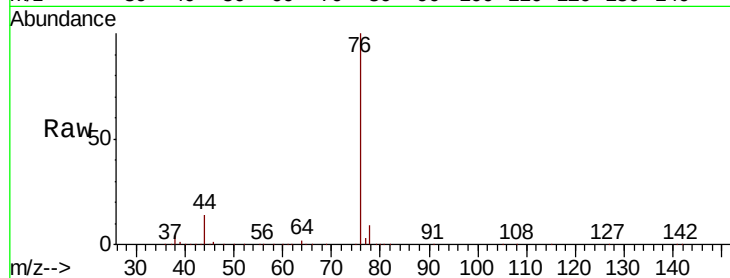
78 8.9 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 23.00 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX004275.D

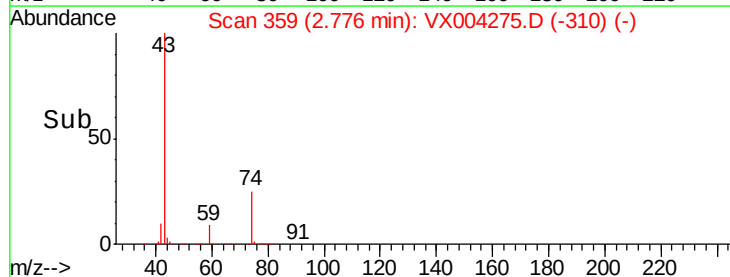
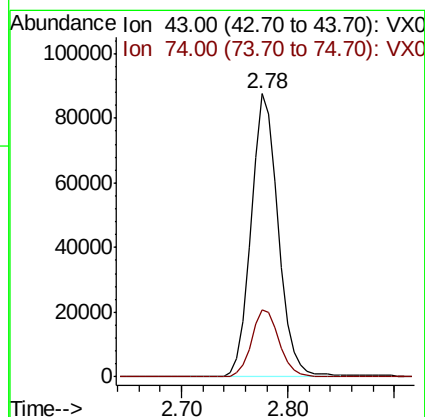
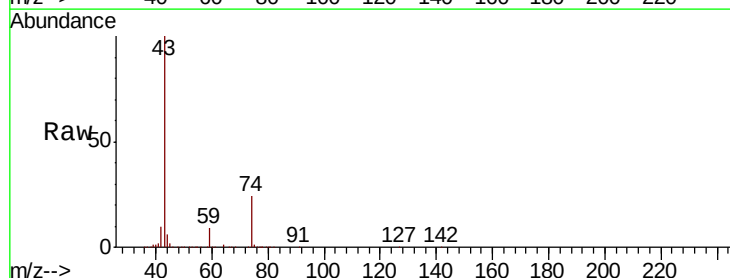
Acq: 28 Aug 2018 18:23

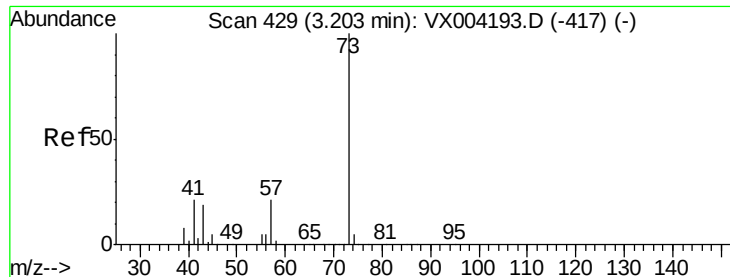
Tgt Ion: 43 Resp: 155874

Ion Ratio Lower Upper

43 100

74 24.7 19.4 29.2





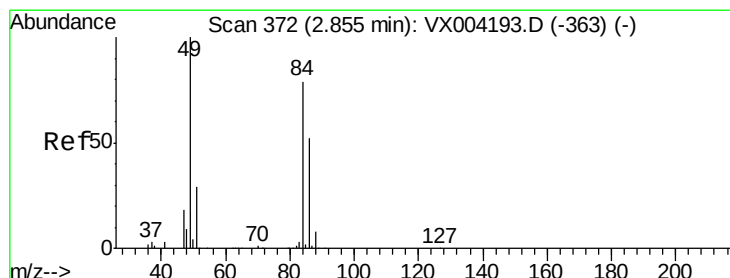
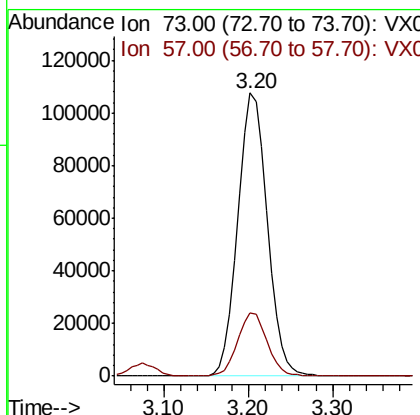
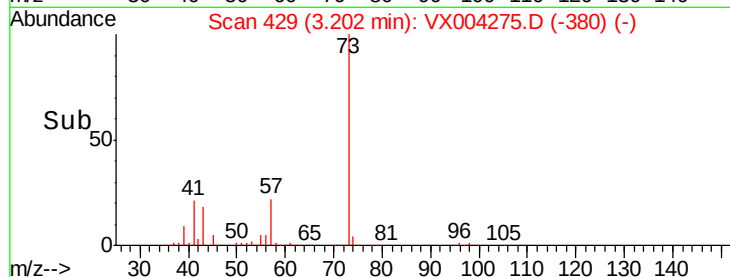
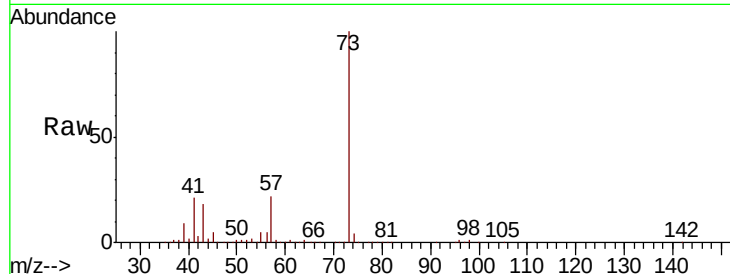
#19
Methyl tert-butyl Ether
Concen: 20.75 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.1	25.7

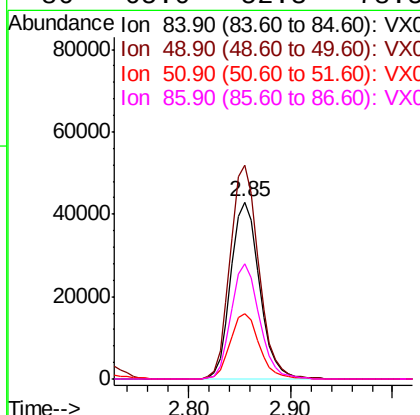
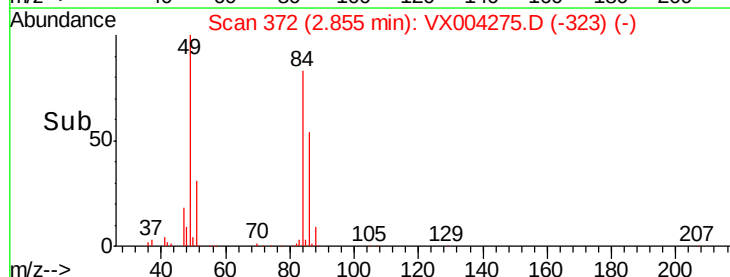
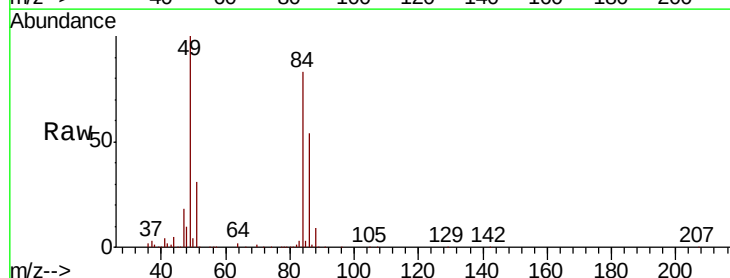
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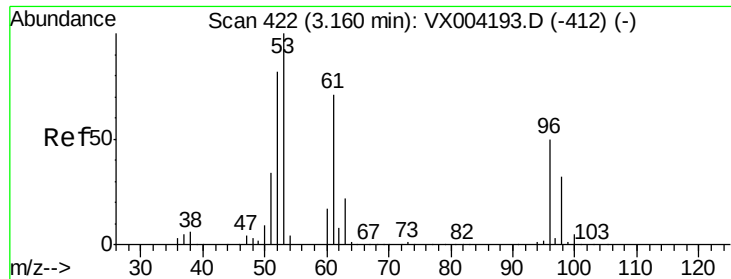
MMDadoda
8/29/2018 5:51:20 PM



#20
Methylene Chloride
Concen: 19.02 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.7	101.2	151.8
51	37.2	29.5	44.3
86	65.0	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.60 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

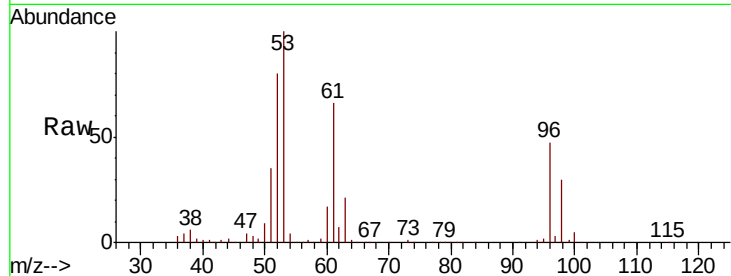
ClientSampleId :

VX0828MBSD01

Tot Ion:	96	Resp:	76442
Ion	Ratio	Lower	Upper
96	100		
61	139.4	113.8	170.6
98	63.4	51.8	77.8

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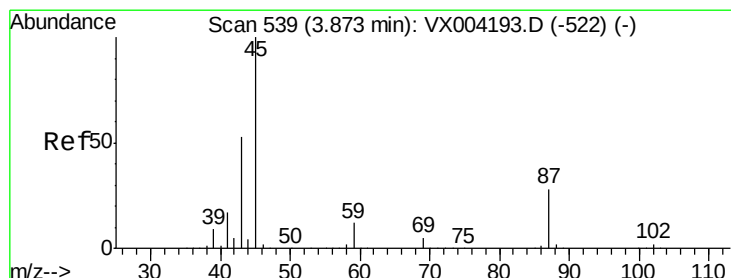
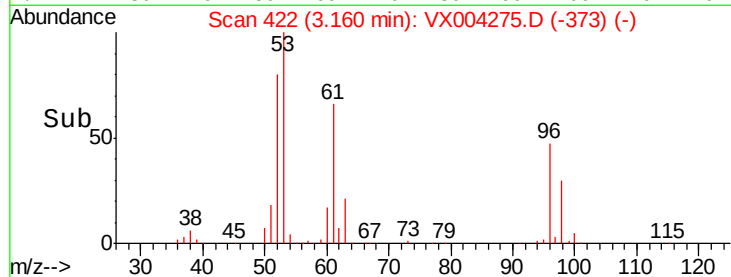
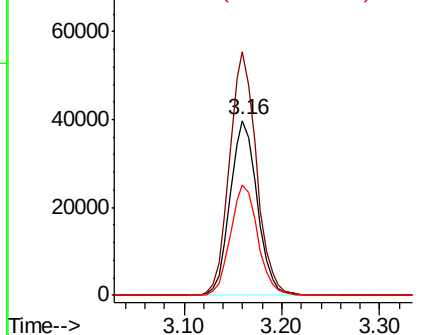


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.52 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Tgt Ion:	45	Resp:	248546
Ion	Ratio	Lower	Upper
45	100		
43	55.6	42.8	64.2
87	28.6	22.6	34.0
59	11.9	9.6	14.4

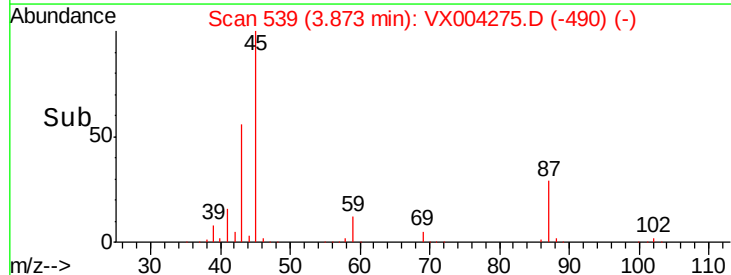
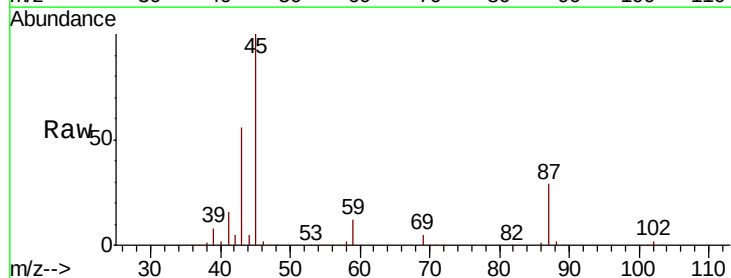
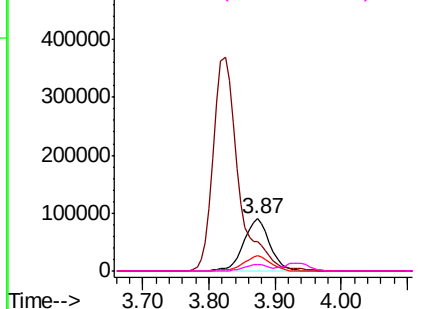
Abundance

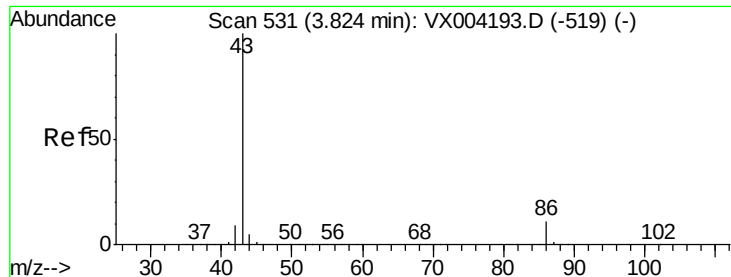
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 95.34 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion: 43 Resp: 984061

Ion Ratio Lower Upper

43 100

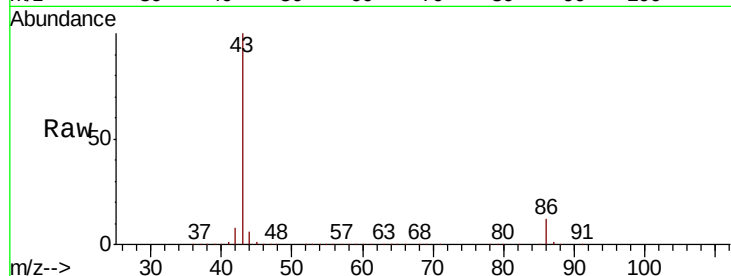
86 11.6 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

300000

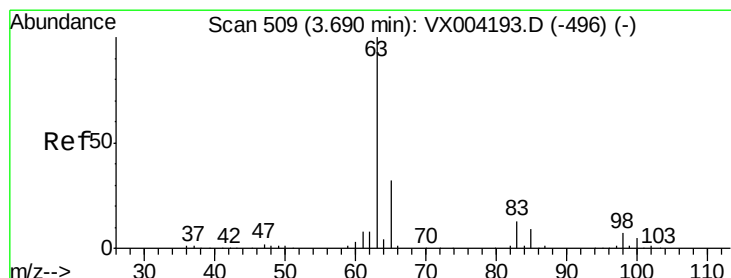
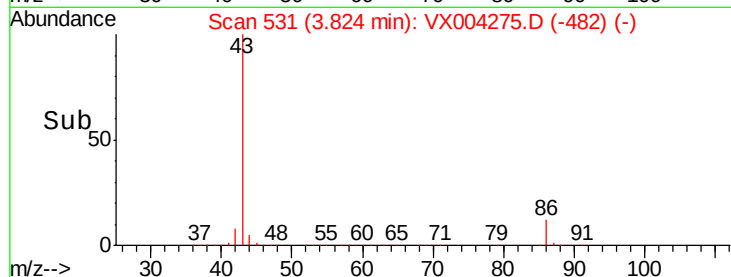
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.80 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

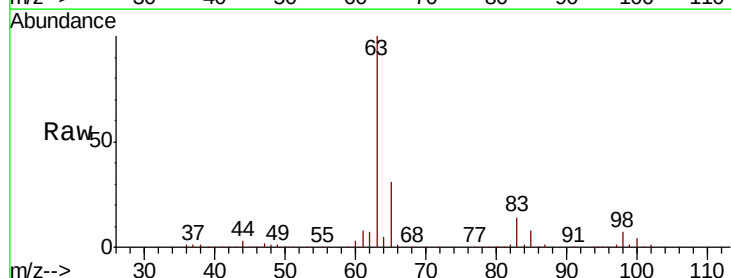
Tgt Ion: 63 Resp: 146908

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.3 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.69

80000

60000

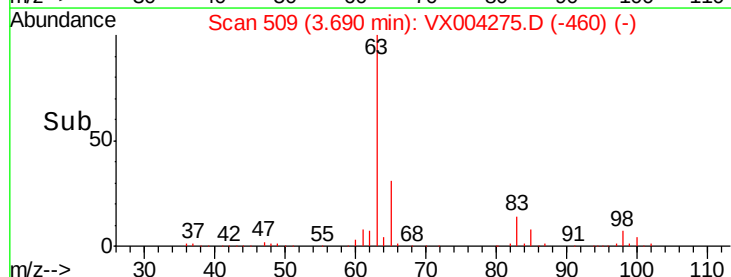
40000

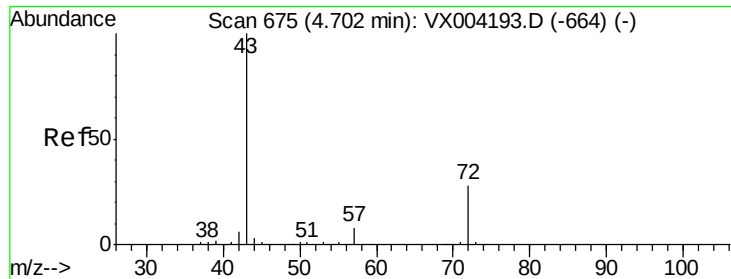
20000

0

3.60 3.70 3.80 3.90

Time-->





#25

2-Butanone

Concen: 99.01 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion: 43 Resp: 308277

Ion Ratio Lower Upper

43 100

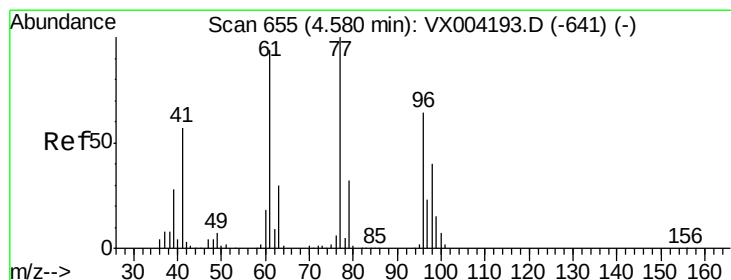
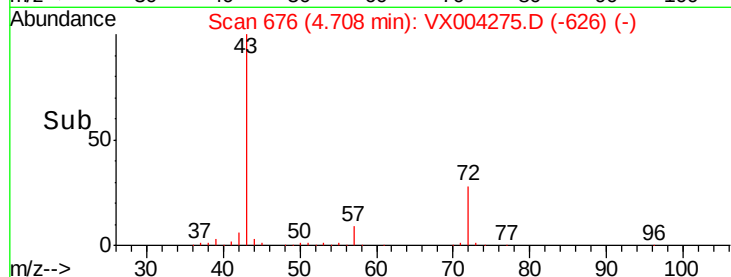
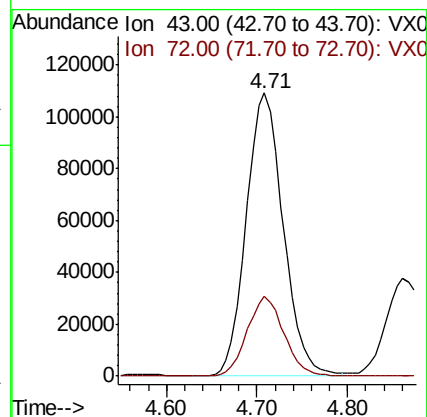
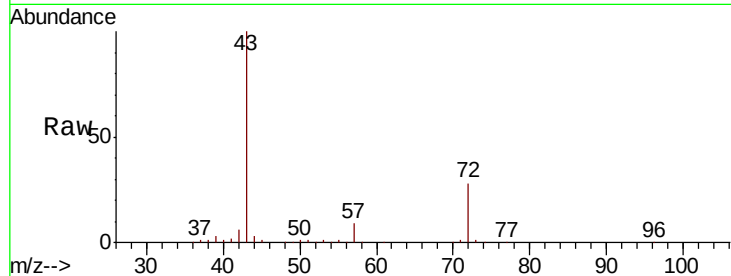
72 28.3 22.0 33.0

Manual Integrations

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MMDadoda

8/29/2018 5:51:20 PM



#26

2,2-Dichloropropane

Concen: 18.82 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX004275.D

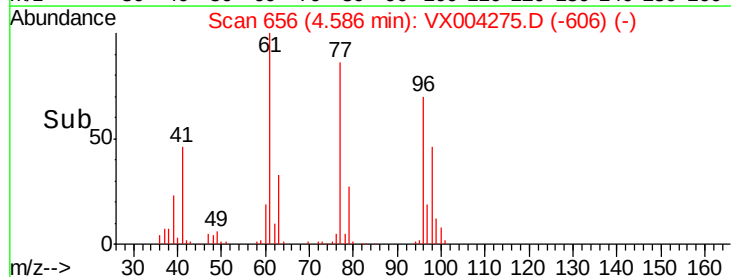
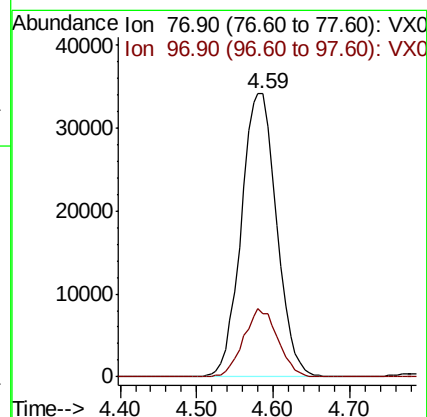
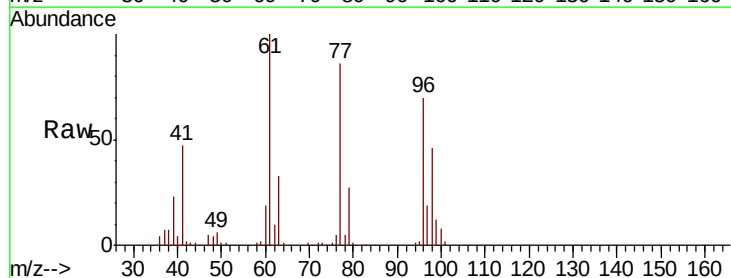
Acq: 28 Aug 2018 18:23

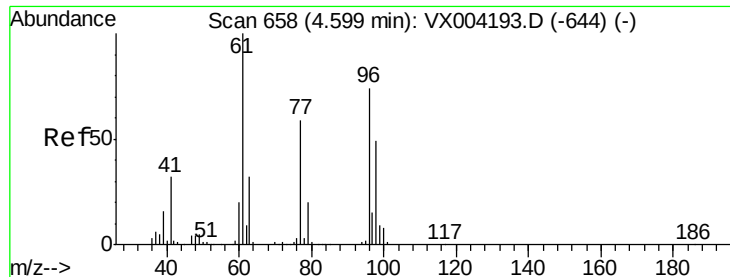
Tgt Ion: 77 Resp: 109534

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0





#27

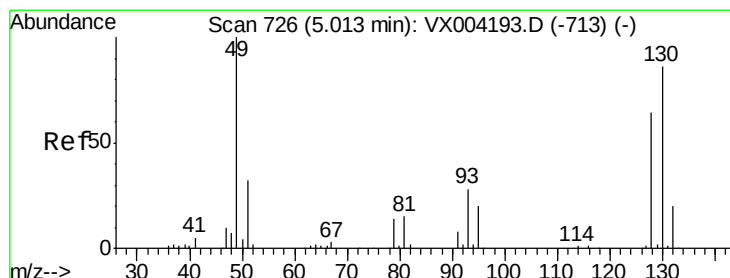
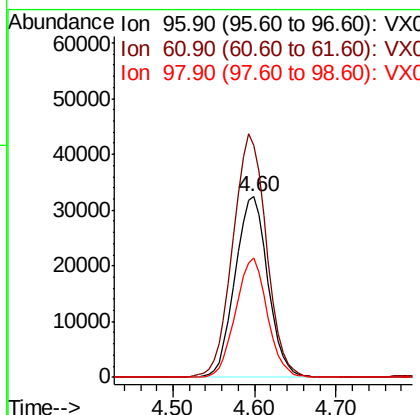
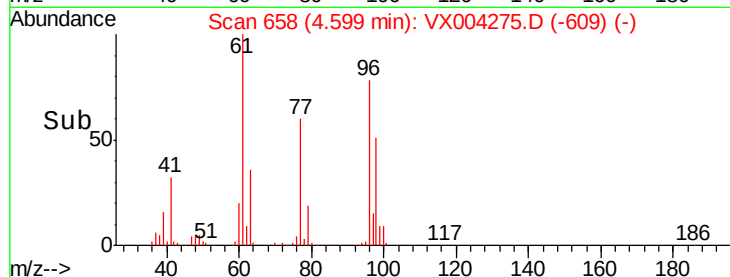
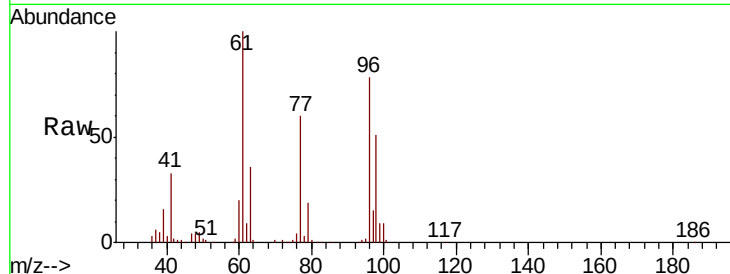
cis-1,2-Dichloroethene
Concen: 19.42 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.2	0.0	282.6	
98	63.8	0.0	130.2	

Manual Integrations
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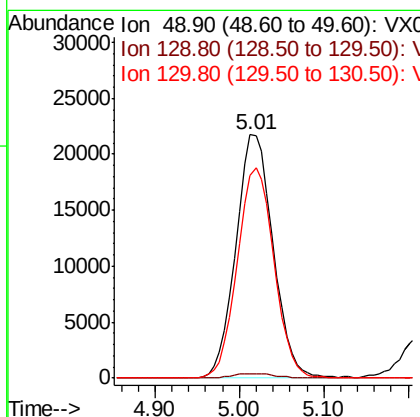
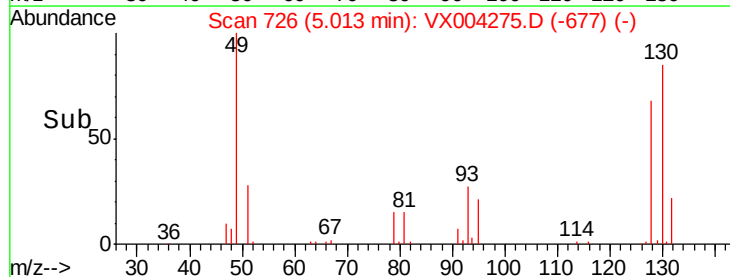
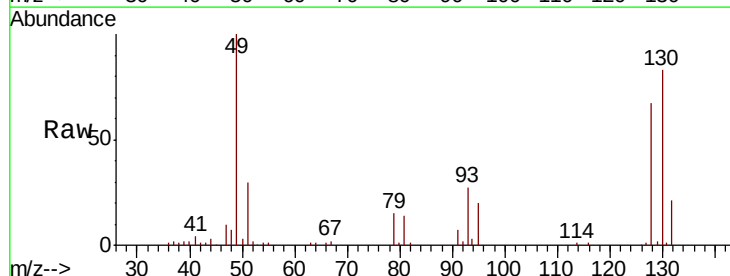
MMDadoda
8/29/2018 5:51:20 PM

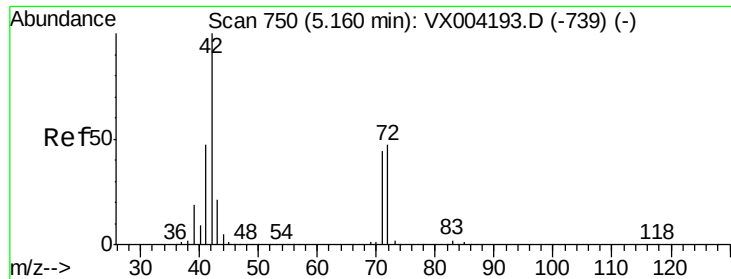


#28

Bromochloromethane
Concen: 19.84 ug/l
RT: 5.01 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	85.2	67.5	101.3	





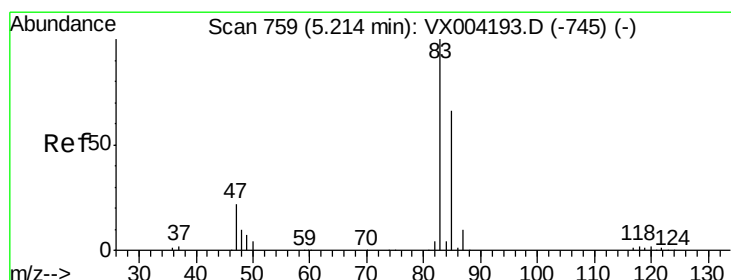
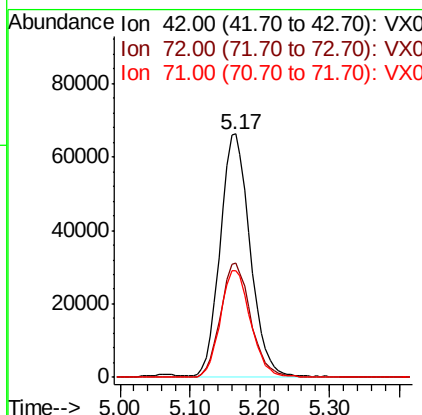
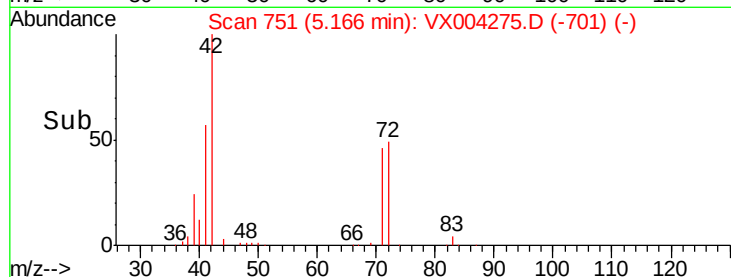
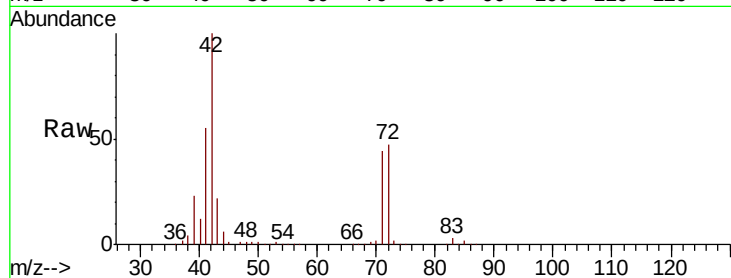
#29
Tetrahydrofuran
Concen: 100.43 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.01 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.4	56.0
71	44.2	34.5	51.7

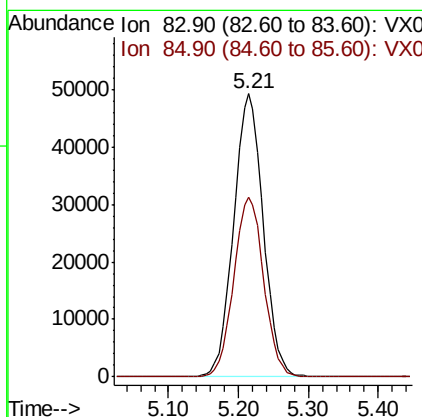
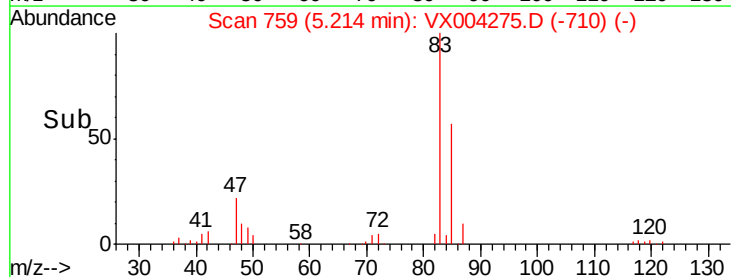
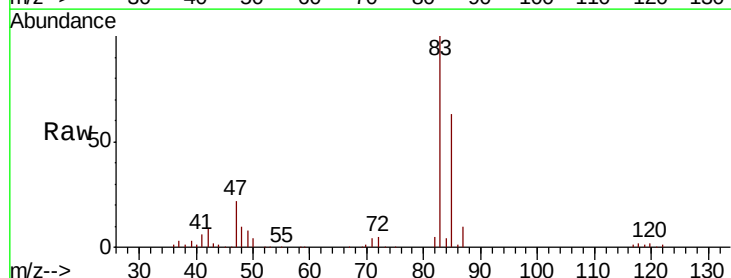
Manual Integrations
APPROVED

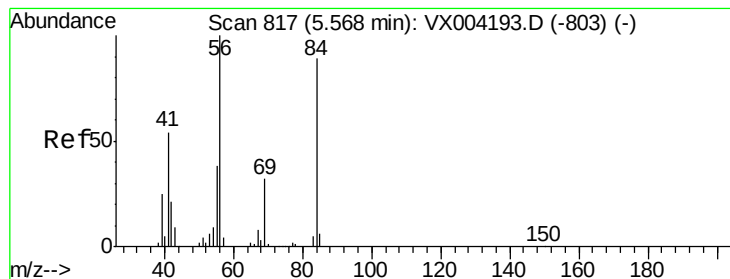
MMDadoda
8/29/2018 5:51:20 PM



#30
Chloroform
Concen: 19.37 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.6	79.0





#31

Cyclohexane

Concen: 18.99 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

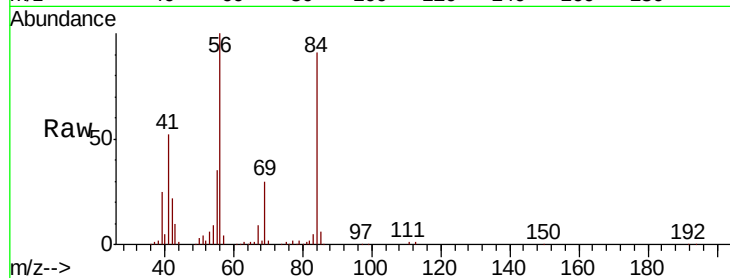
ClientSampleId :

VX0828MBSD01

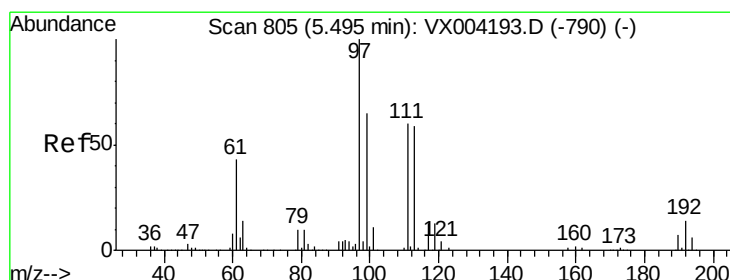
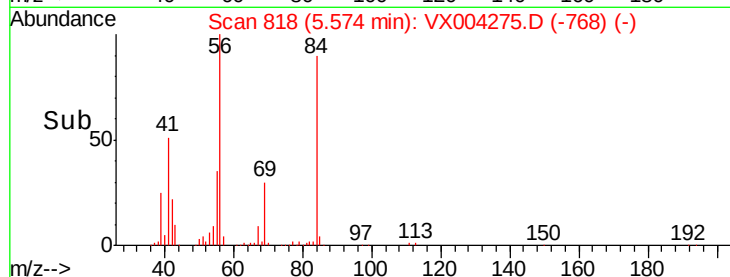
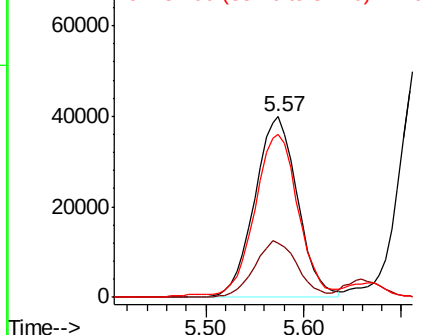
Tot Ion:	56	Resp:	121629
Ion	Ratio	Lower	Upper
56	100		
69	29.6	25.4	38.2
84	89.1	71.4	107.2

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.51 ug/l

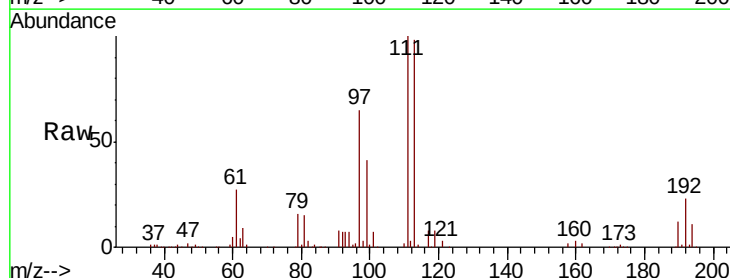
RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

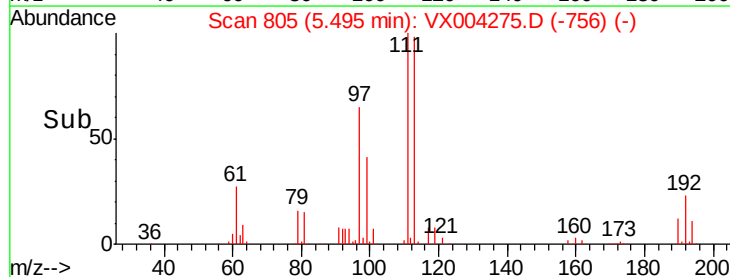
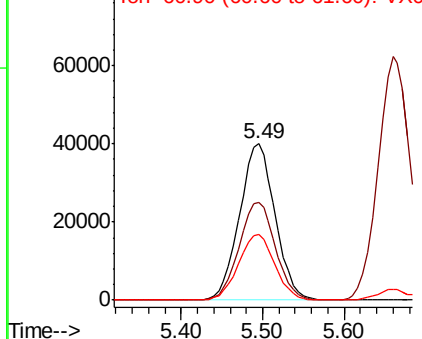
Lab File: VX004275.D

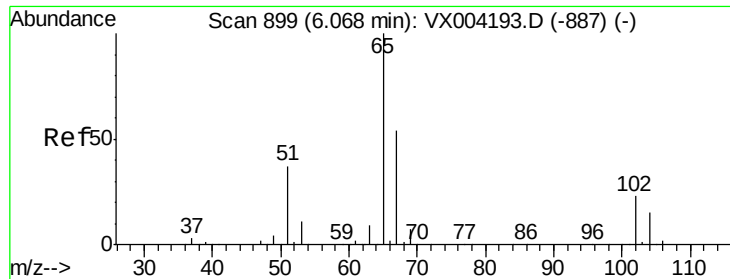
Acq: 28 Aug 2018 18:23

Tgt Ion:	97	Resp:	121065
Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.0	78.0
61	43.0	34.9	52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





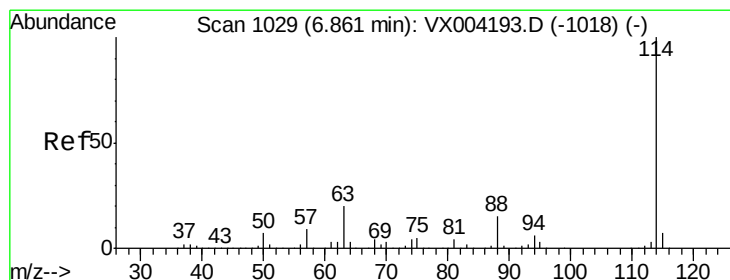
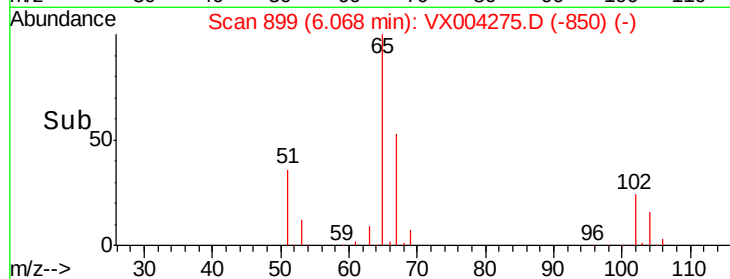
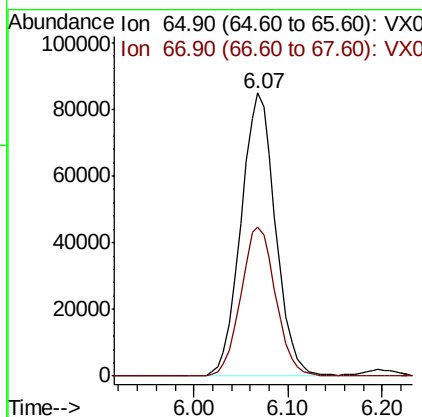
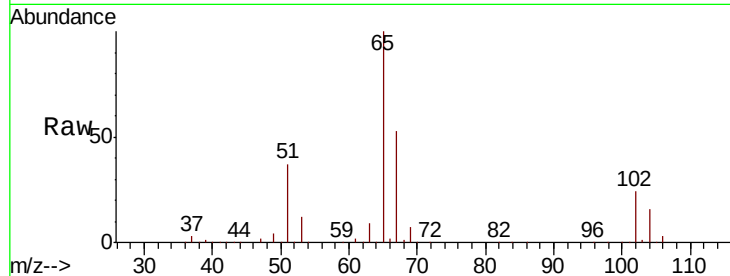
#33
 1,2-Dichloroethane-d4
 Concen: 47.57 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0828MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	217261		
67	53.2	0.0	106.8	

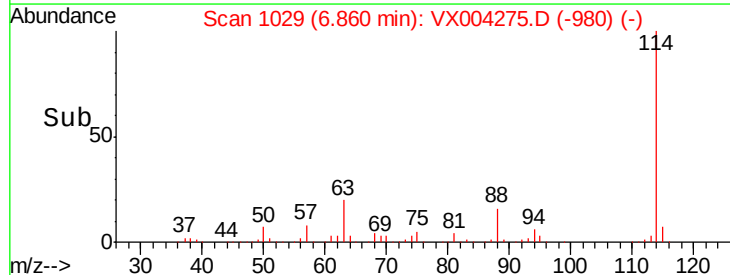
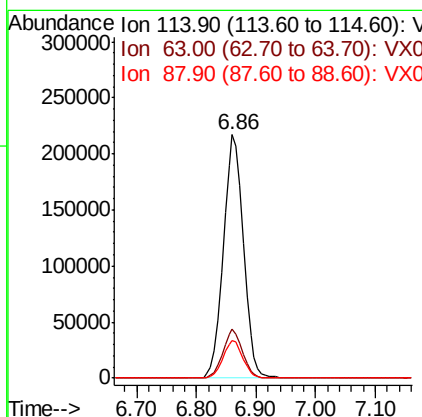
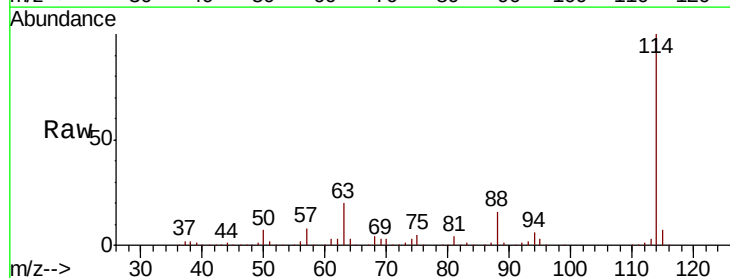
Manual Integrations
 APPROVED

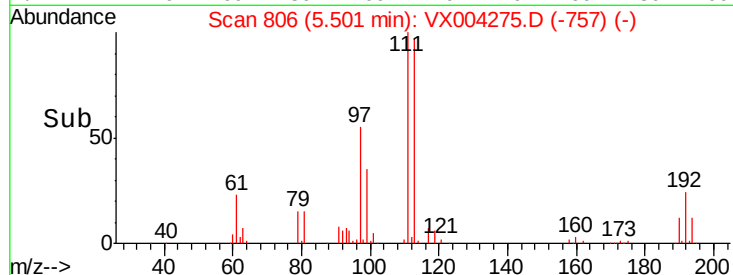
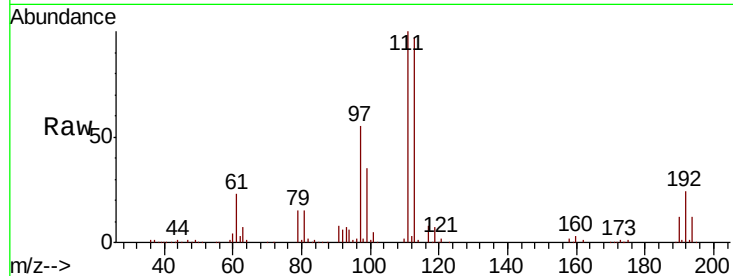
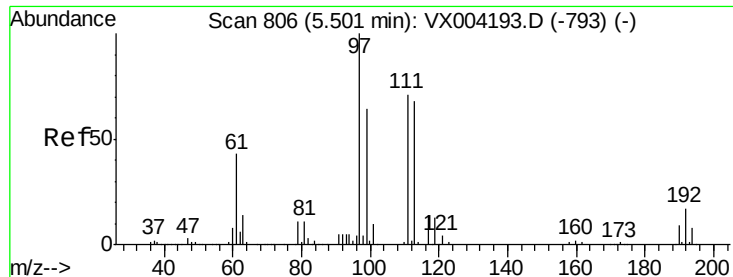
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	508914		
63	20.3	0.0	39.0	
88	15.6	0.0	30.4	





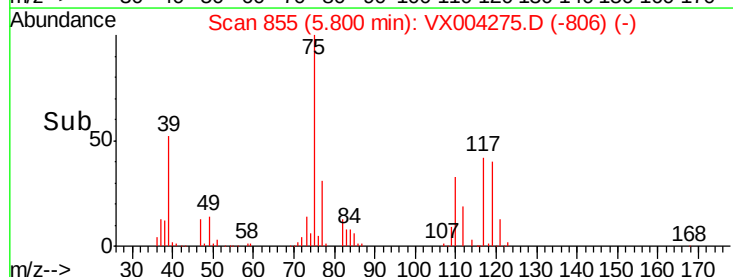
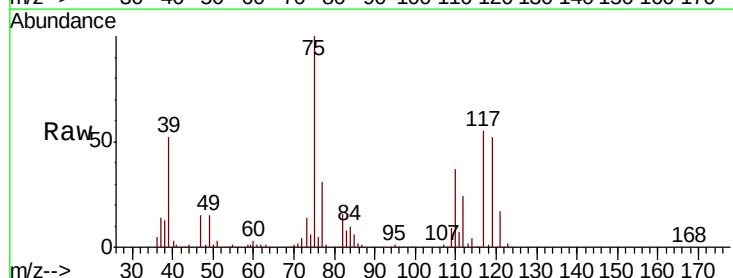
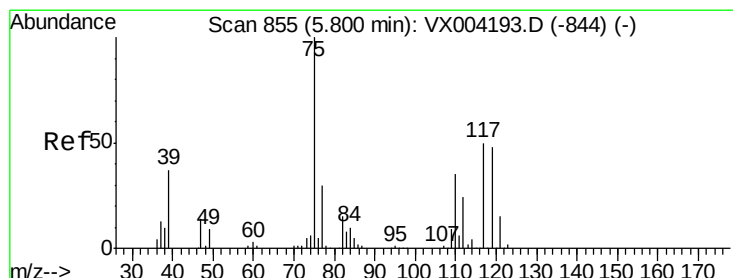
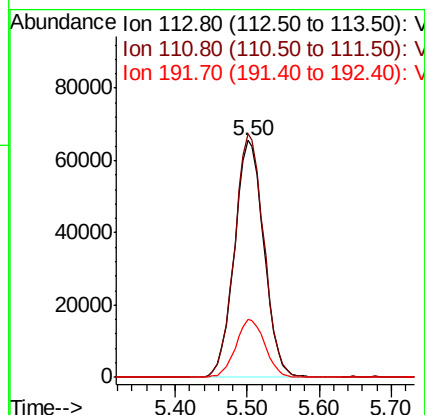
#35
Dibromofluoromethane
Concen: 49.24 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186426		
111	102.0	82.4	123.6	
192	24.1	19.4	29.2	

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

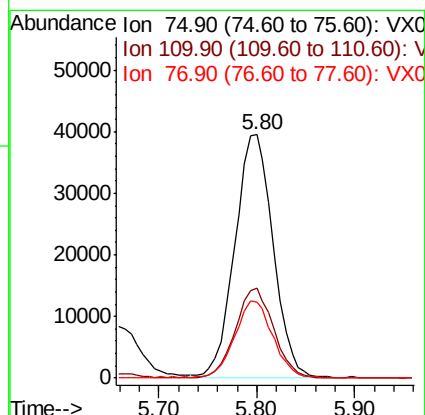
Manual Integrations
APPROVED

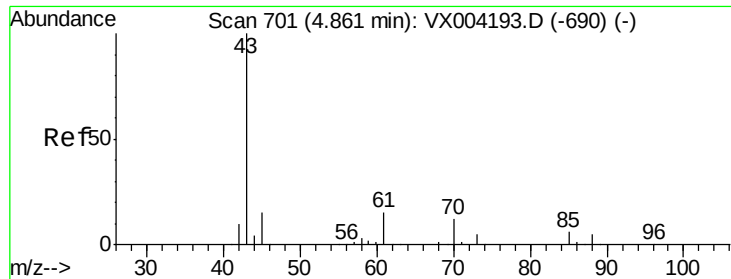
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.62 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106543		
110	36.9	18.0	54.0	
77	31.5	24.6	36.8	





#37

Ethyl Acetate

Concen: 19.93 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

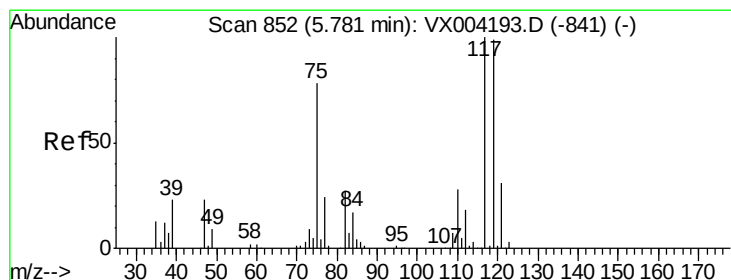
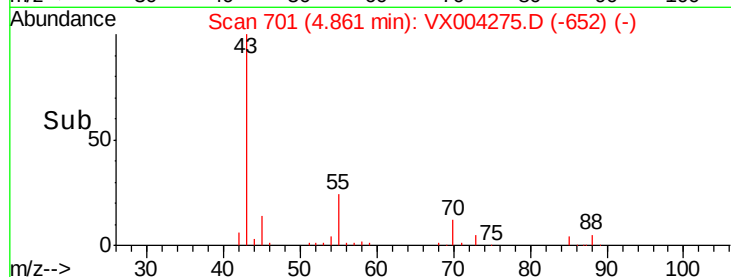
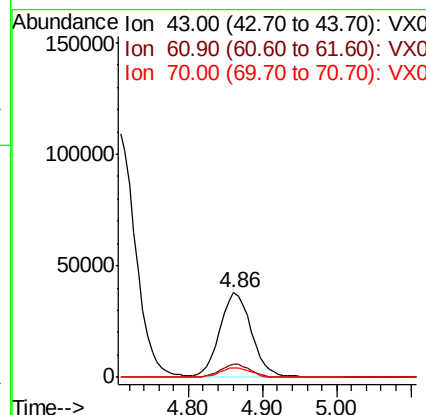
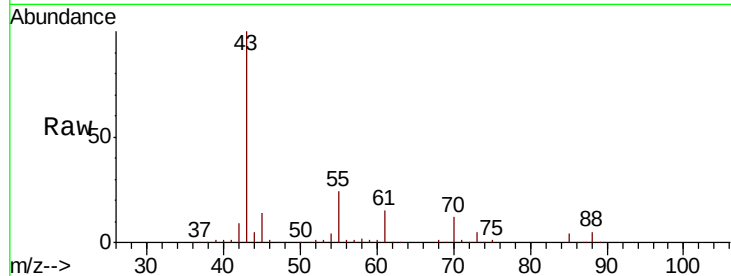
ClientSampleId :

VX0828MBSD01

Tot Ion:	43	Resp:	112141
Ion Ratio	Lower	Upper	
43	100		
61	14.7	11.5	17.3
70	11.6	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.88 ug/l

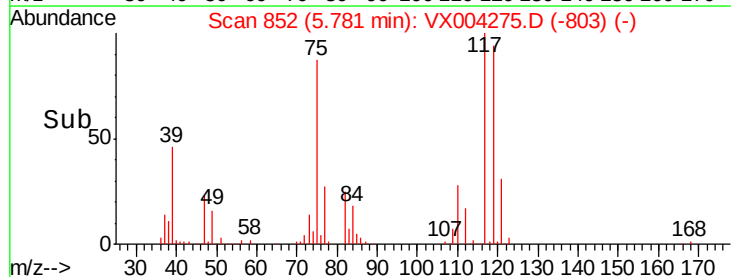
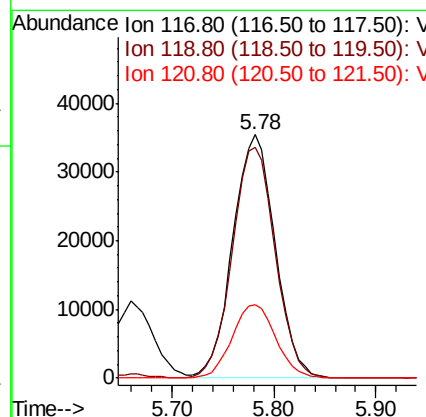
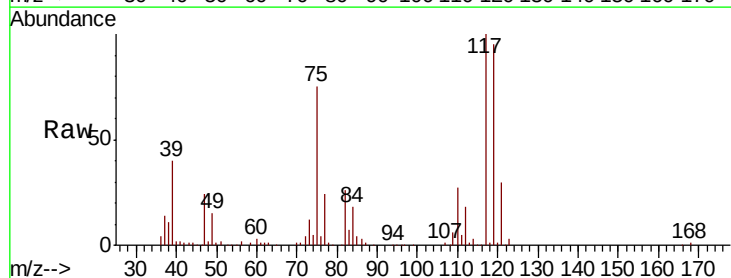
RT: 5.78 min Scan# 852

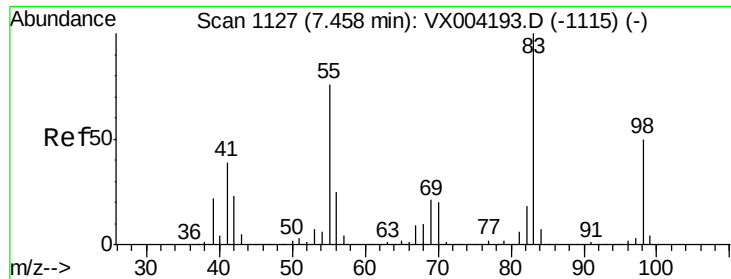
Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Tgt Ion:	117	Resp:	101637
Ion Ratio	Lower	Upper	
117	100		
119	94.8	78.8	118.2
121	30.3	24.9	37.3





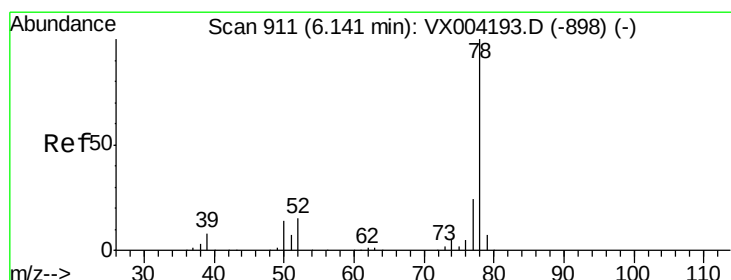
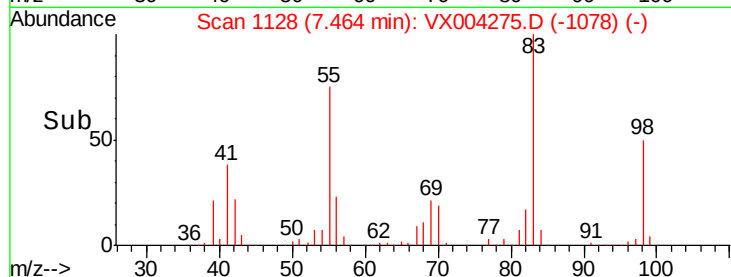
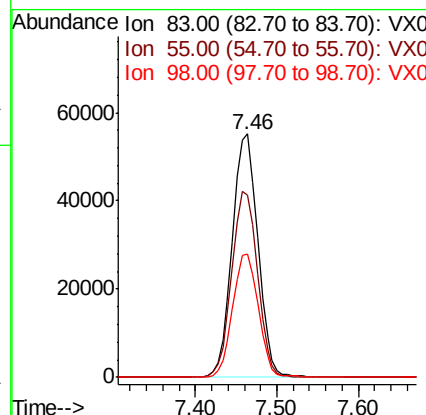
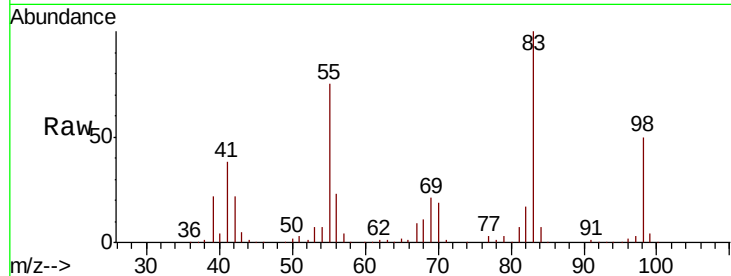
#39
Methylvlcyclohexane
Concen: 18.35 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.9	61.0	91.4	
98	50.5	39.6	59.4	

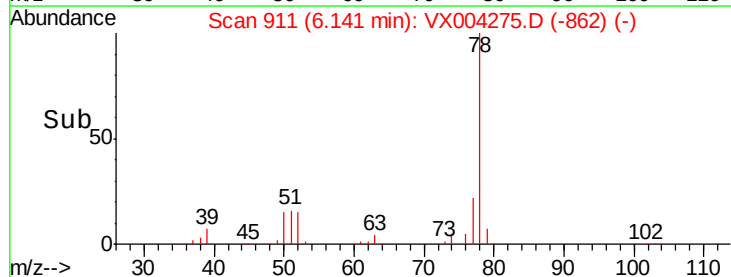
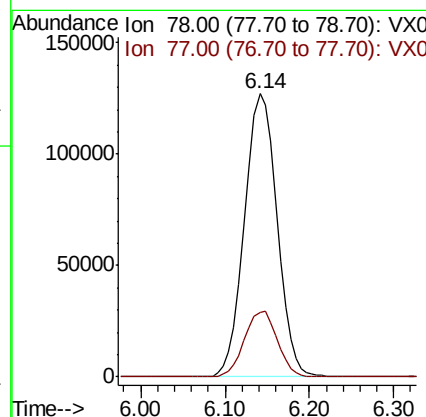
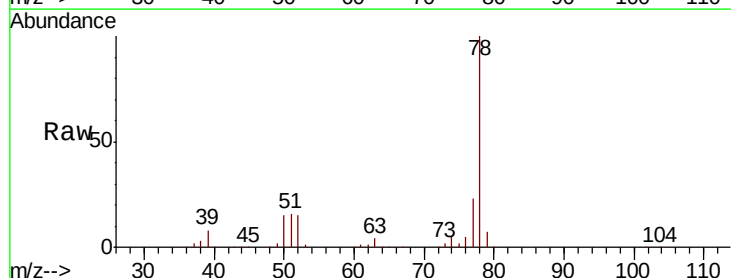
Manual Integrations
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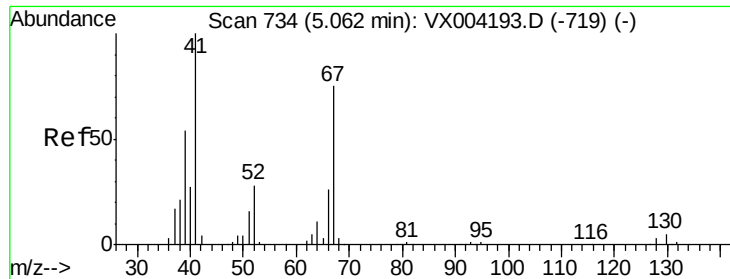
MMDadoda
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#40
Benzene
Concen: 19.51 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.6	19.0	28.4	





#41

Methacrylonitrile

Concen: 19.98 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

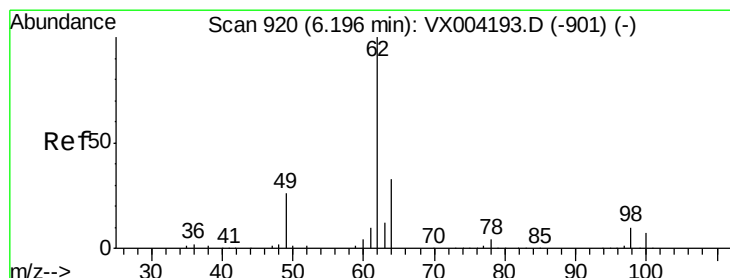
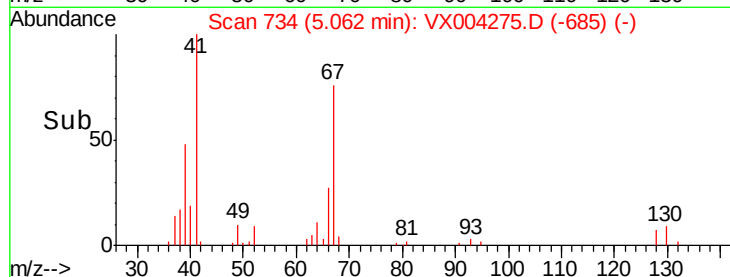
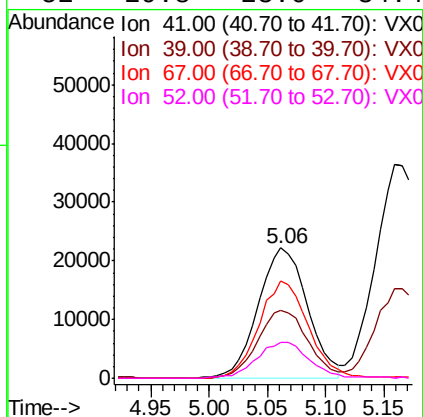
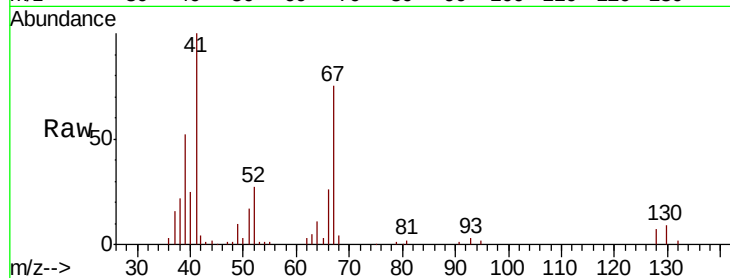
ClientSampleId :

VX0828MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.4	63.6	
67	75.0	59.2	88.8	
52	29.8	23.0	34.4	

Manual Integrations
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MMDadoda
8/29/2018 5:51:20 PM



#42

1,2-Dichloroethane

Concen: 19.39 ug/l

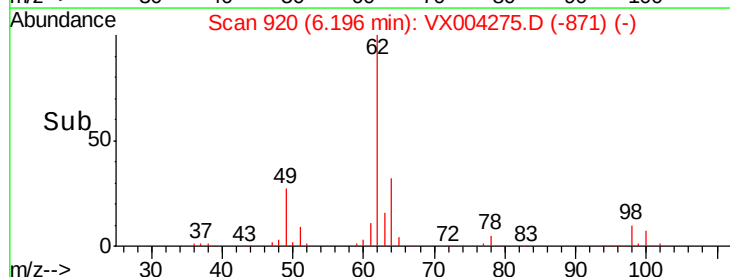
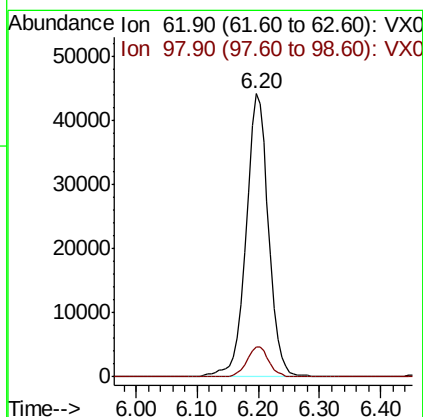
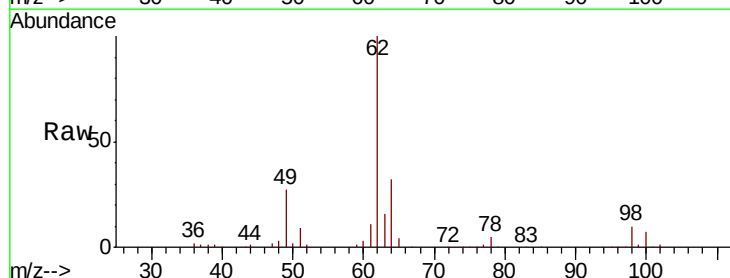
RT: 6.20 min Scan# 920

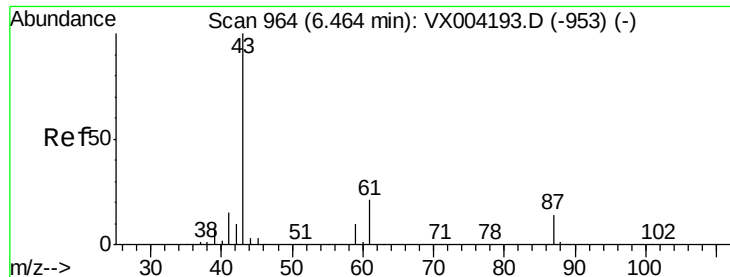
Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	20.6	





#43

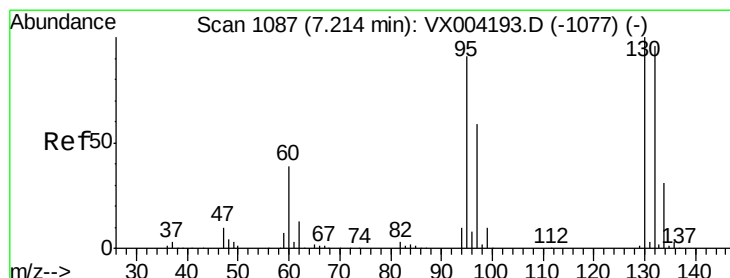
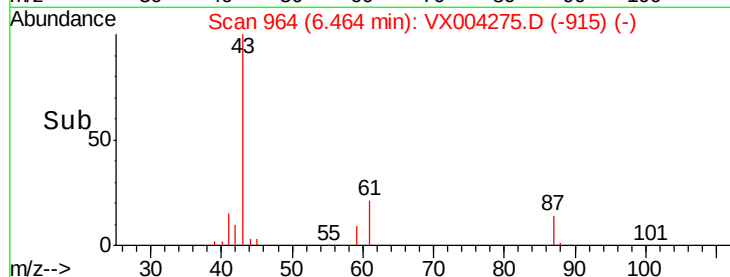
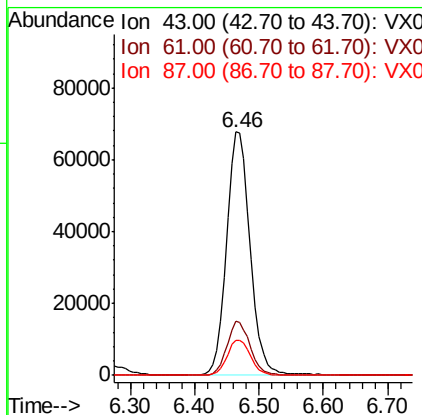
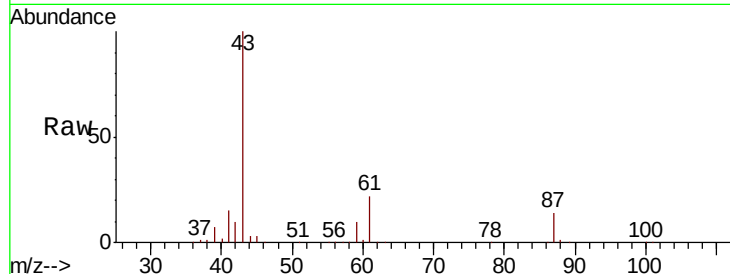
Isopropyl Acetate
 Concen: 20.15 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0828MBSD01

Tot Ion	43	61	87
Resp	174264		
Ratio	100	21.7	14.5
Lower		17.0	11.4
Upper		25.4	17.2

Manual Integrations
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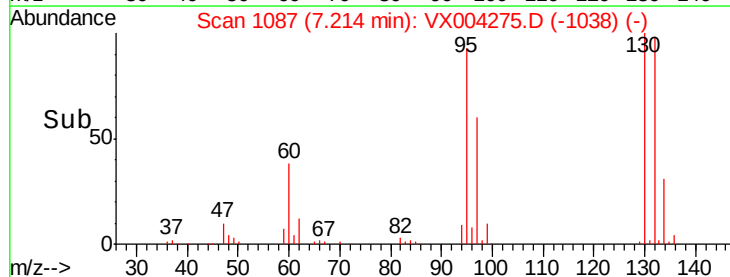
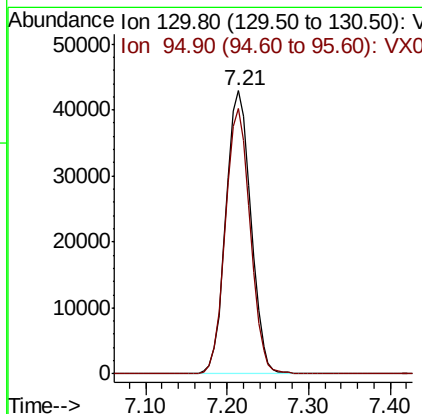
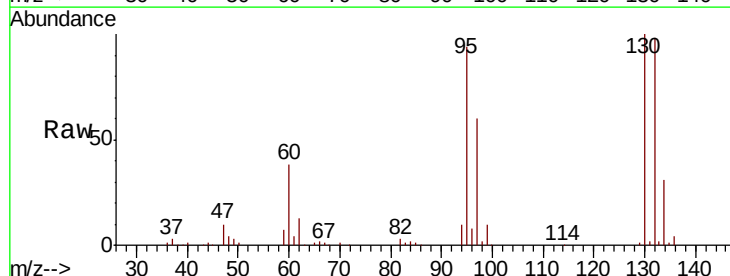
MMDadoda
 8/29/2018 5:51:20 PM

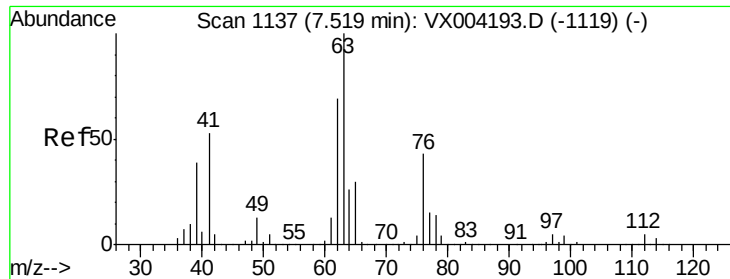


#44

Trichloroethene
 Concen: 19.20 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Tgt Ion	130	95
Resp	90854	
Ratio	100	93.7
Lower		0.0
Upper		181.6





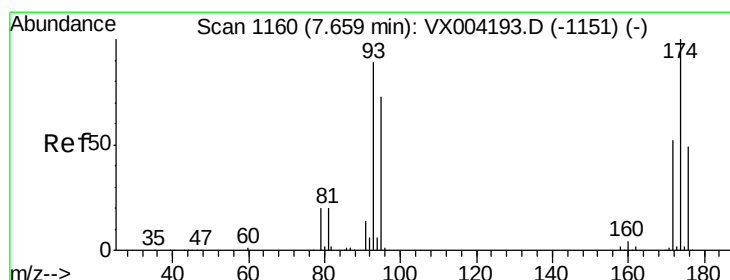
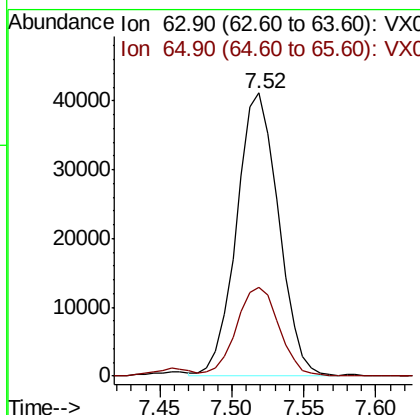
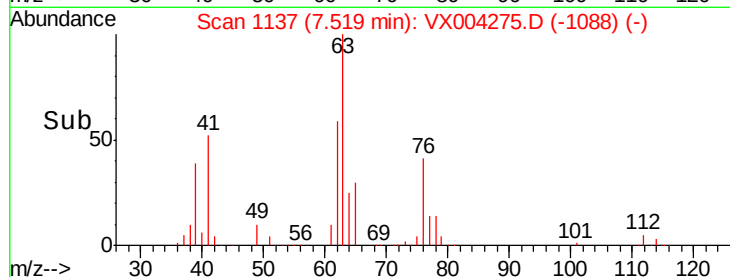
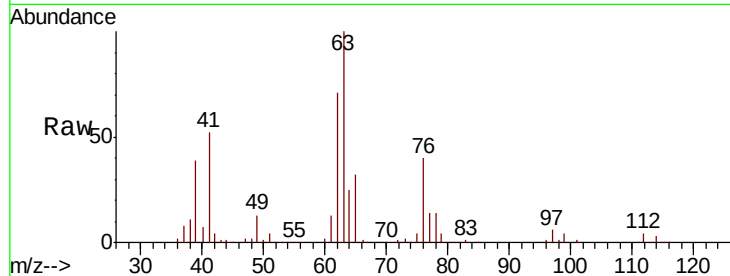
#45
 1,2-Dichloropropane
 Concen: 19.29 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0828MBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.3	36.5

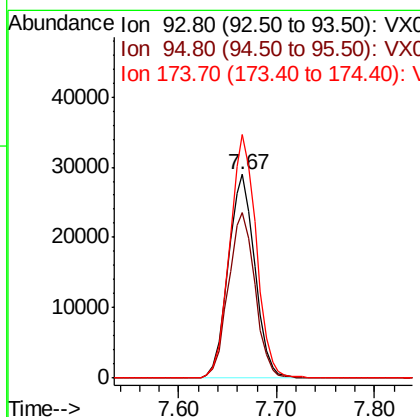
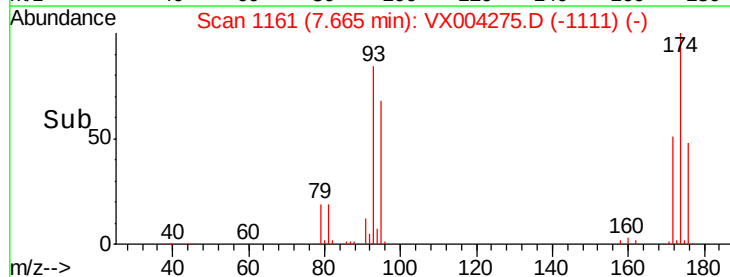
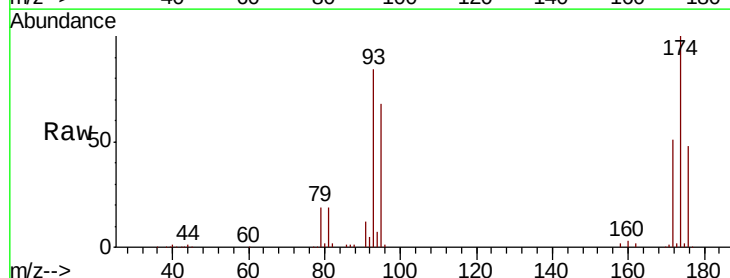
Manual Integrations
 APPROVED

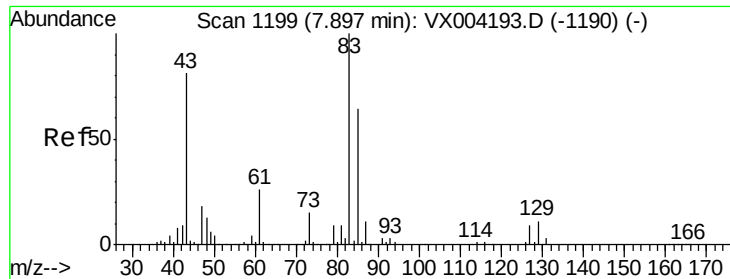
MMDadoda
 8/29/2018 5:51:20 PM



#46
 Dibromomethane
 Concen: 19.16 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.5	98.3
174	119.3	94.2	141.4





#47

Bromodichloromethane

Concen: 18.83 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

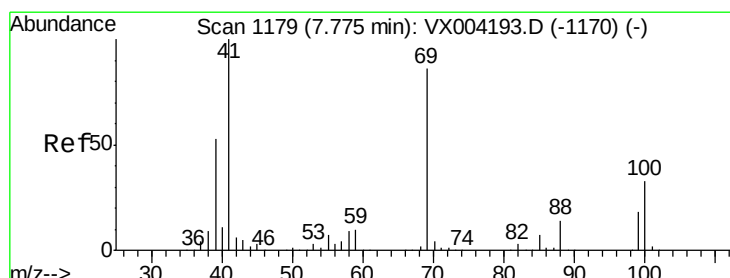
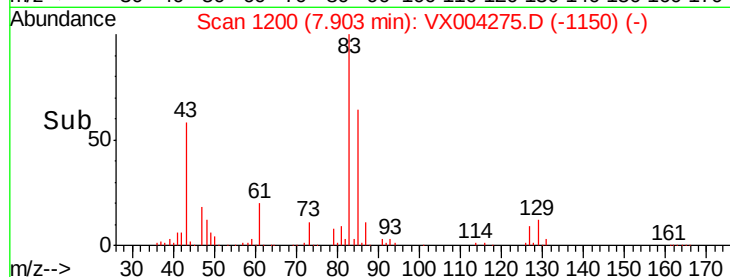
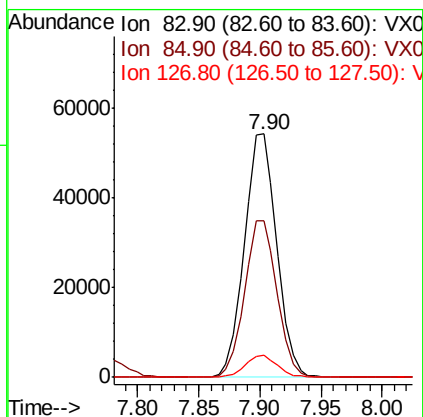
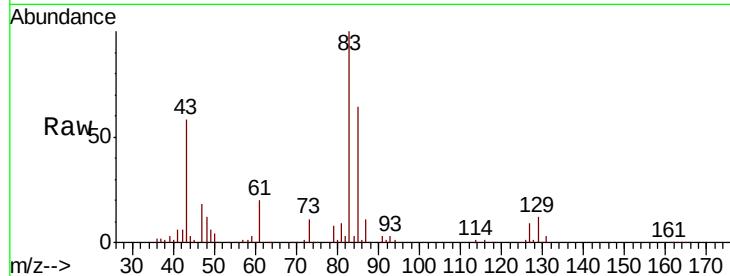
ClientSampled :

VX0828MBSD01

Tot Ion:	83	Resp:	99838
Ion Ratio	Lower	Upper	
83	100		
85	64.3	50.9	76.3
127	8.9	7.3	10.9

Manual Integrations
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8/29/2018 5:51:20 PM



#48

Methyl methacrylate

Concen: 19.60 ug/l

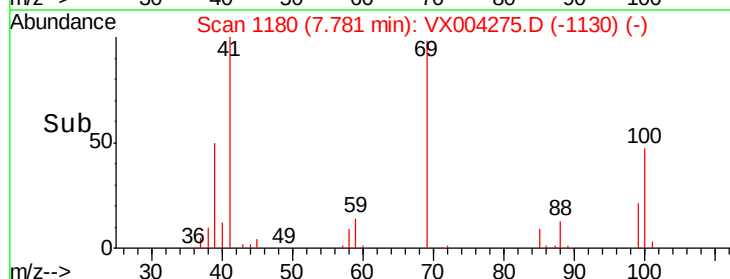
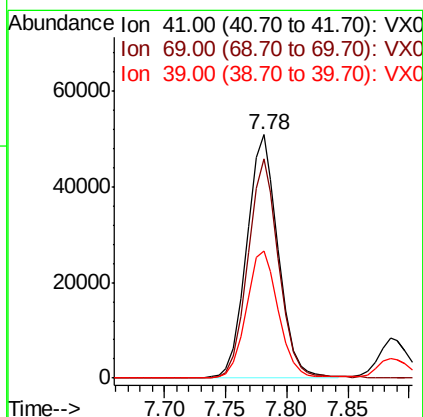
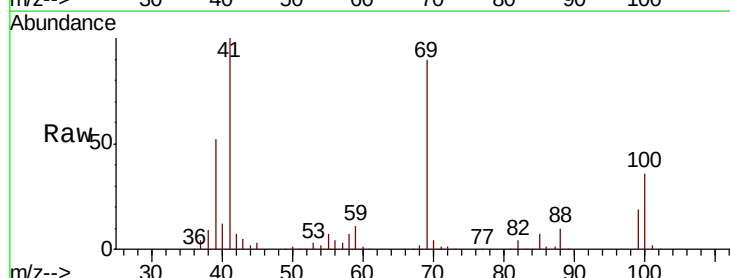
RT: 7.78 min Scan# 1180

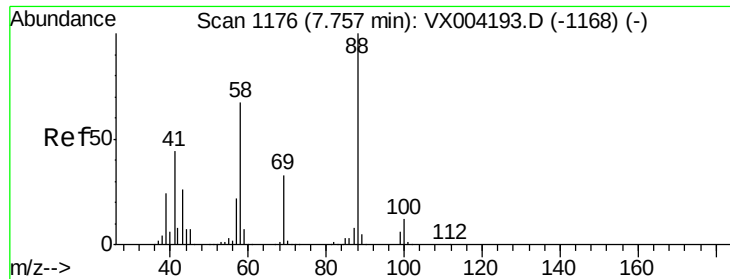
Delta R.T. 0.01 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Tgt Ion:	41	Resp:	90688
Ion Ratio	Lower	Upper	
41	100		
69	89.4	70.2	105.4
39	53.3	42.7	64.1





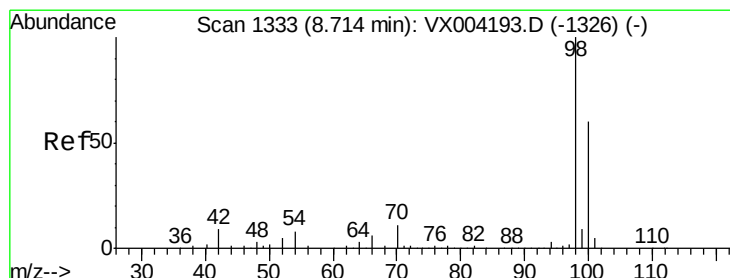
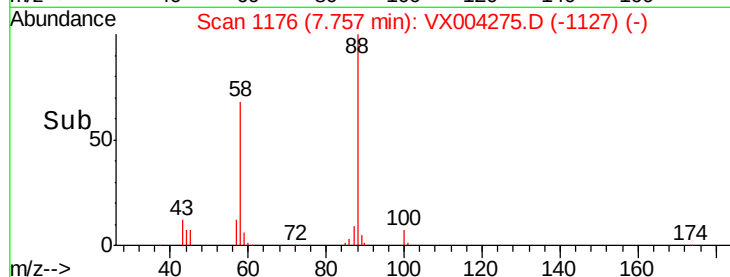
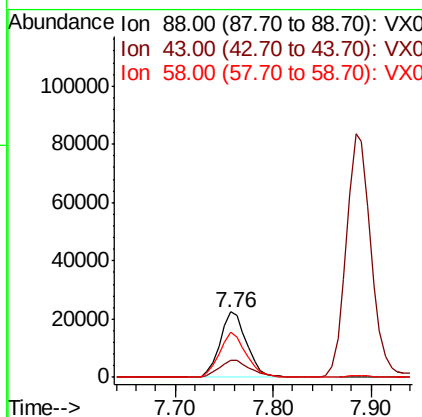
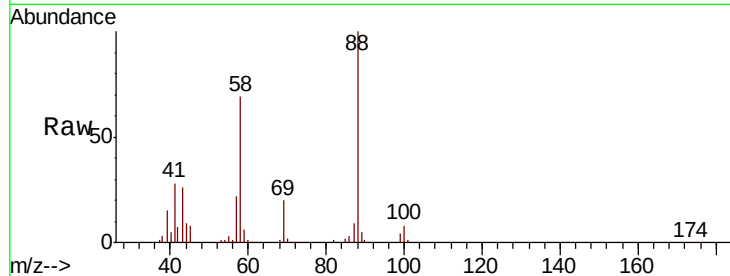
#49
1,4-Dioxane
Concen: 402.87 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.7	37.1
58	69.8	55.3	82.9

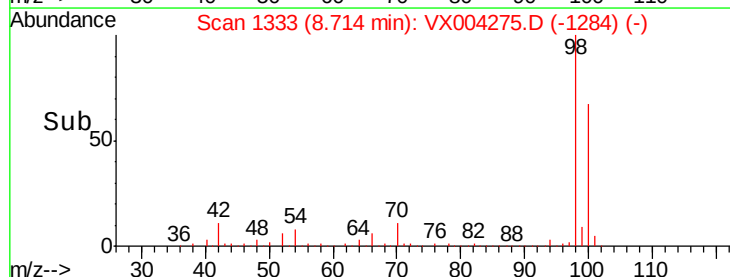
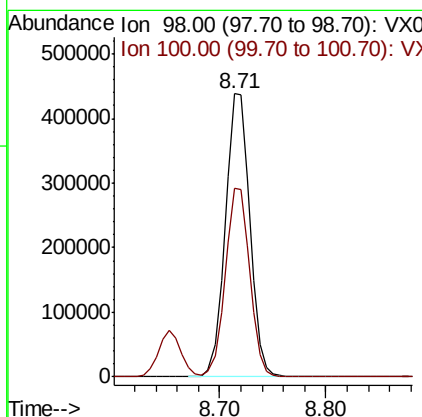
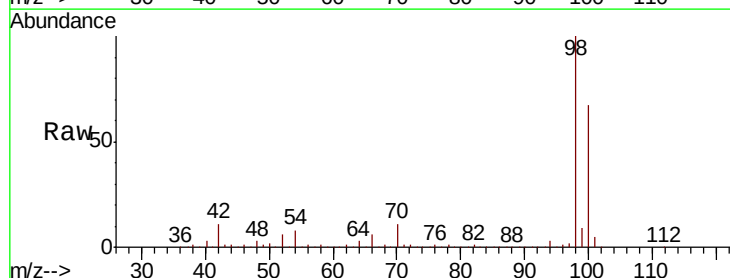
Manual Integrations
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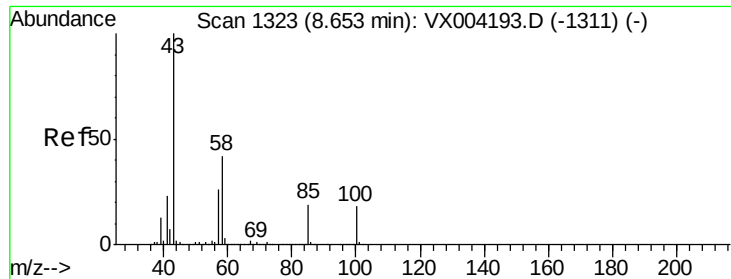
MMDadoda
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#50
Toluene-d8
Concen: 49.39 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 95.39 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion: 43 Resp: 599250

Ion Ratio Lower Upper

43 100

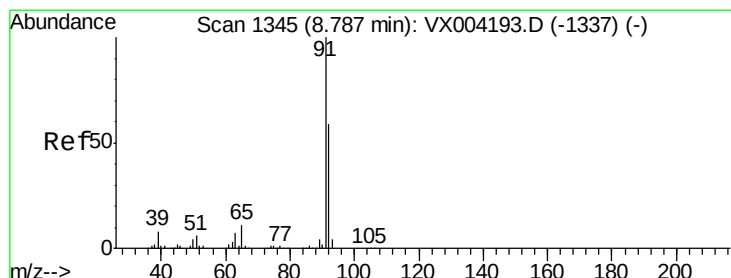
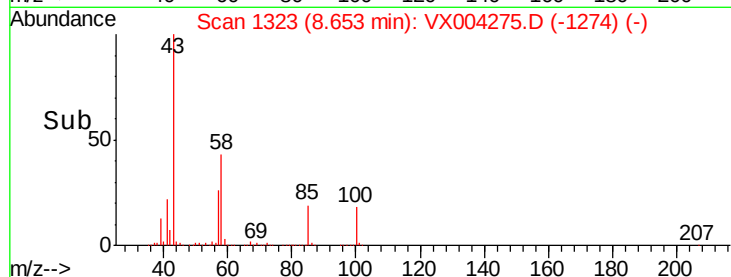
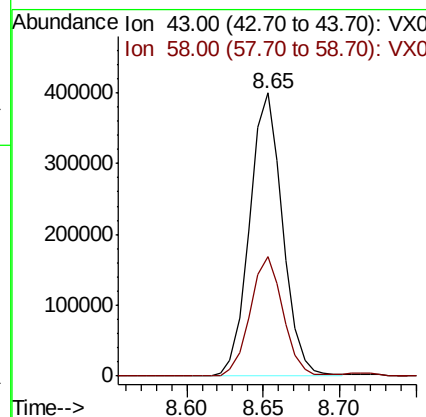
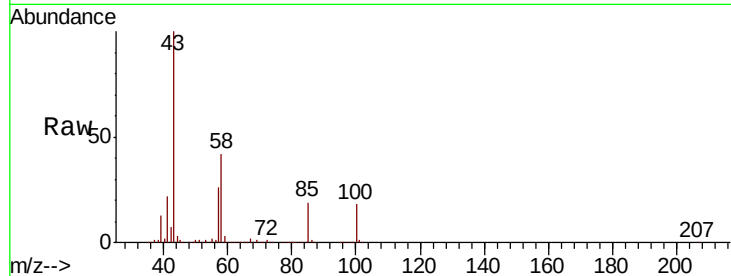
58 41.9 33.1 49.7

Manual Integrations

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#52

Toluene

Concen: 20.04 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004275.D

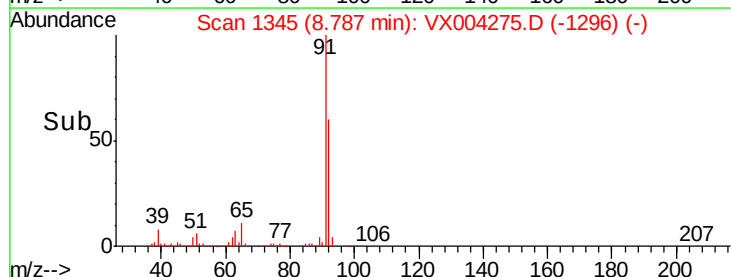
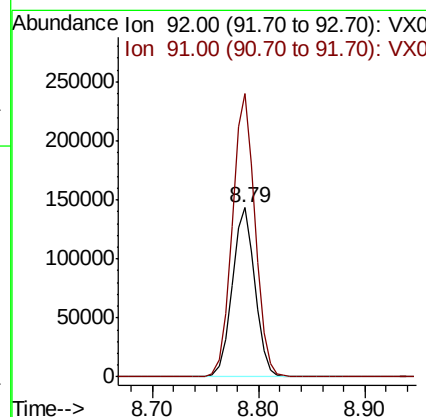
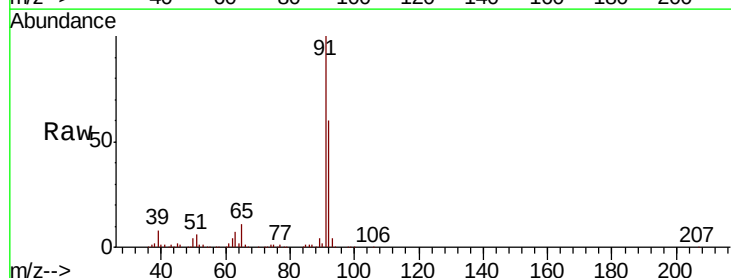
Acq: 28 Aug 2018 18:23

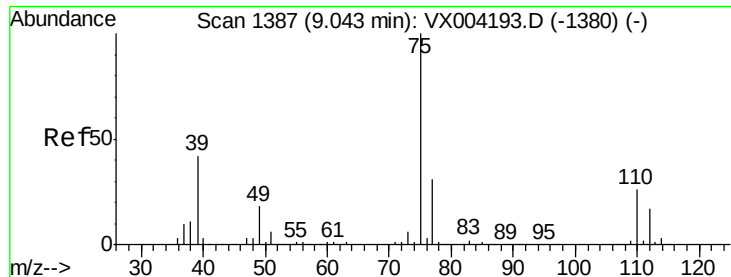
Tgt Ion: 92 Resp: 214444

Ion Ratio Lower Upper

92 100

91 167.7 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.06 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion: 75 Resp: 111605

Ion Ratio Lower Upper

75 100

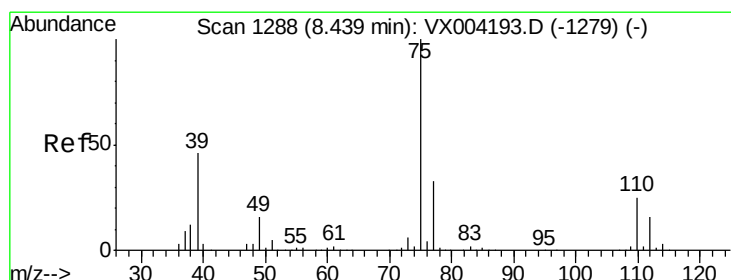
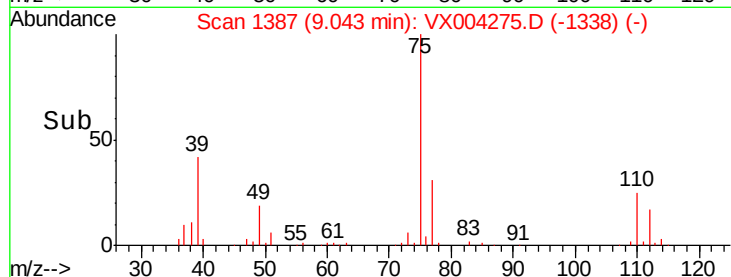
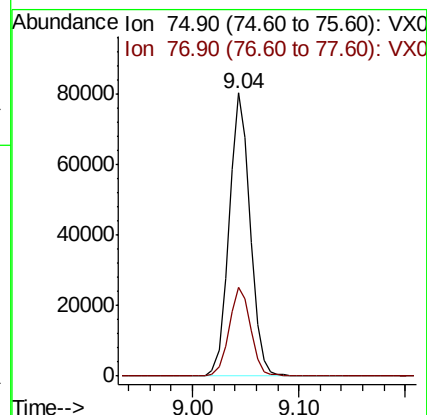
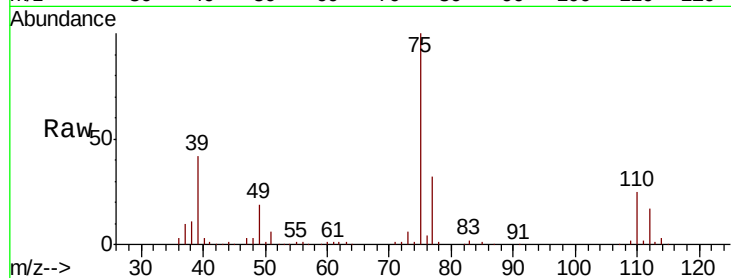
77 31.4 24.6 37.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.52 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

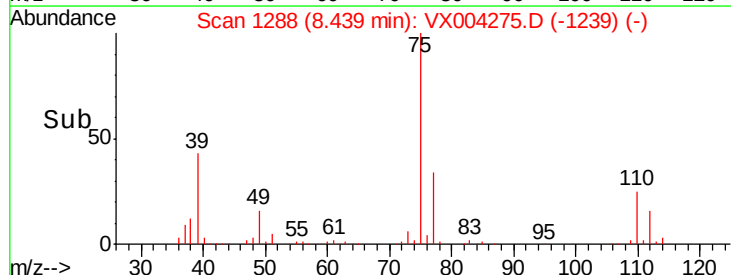
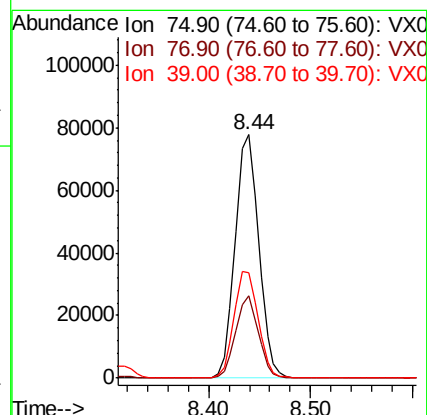
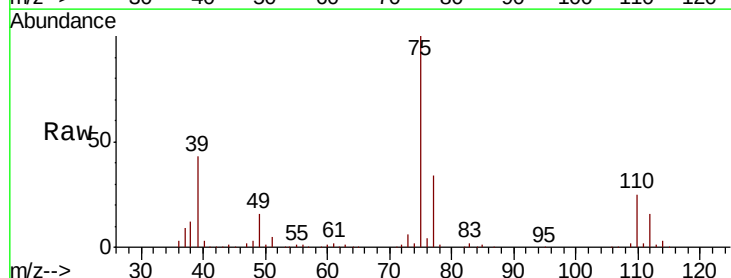
Tgt Ion: 75 Resp: 124480

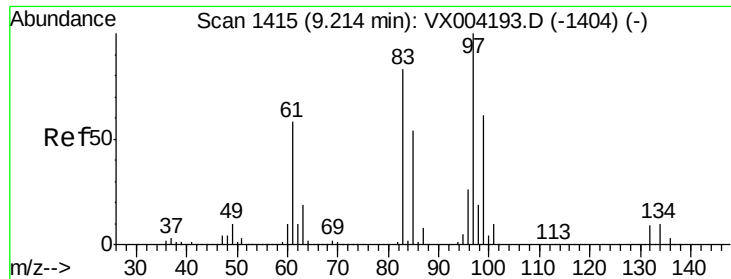
Ion Ratio Lower Upper

75 100

77 33.8 26.2 39.2

39 43.3 36.4 54.6





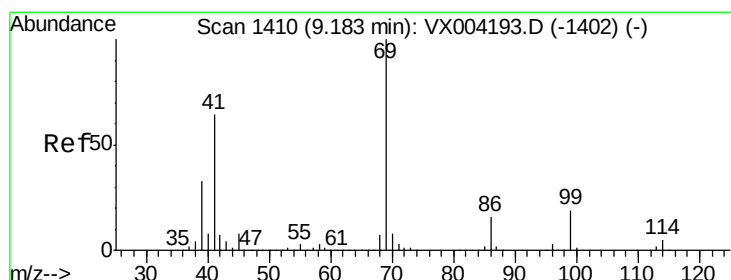
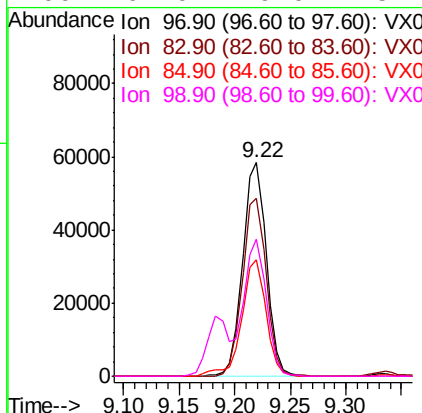
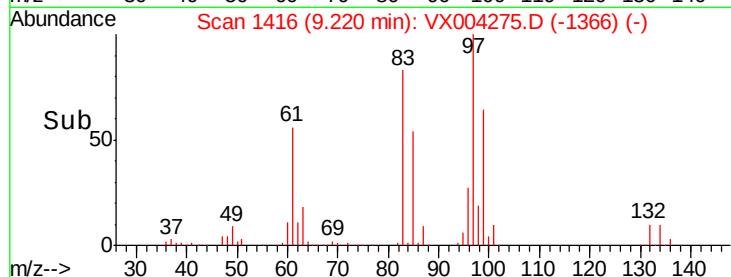
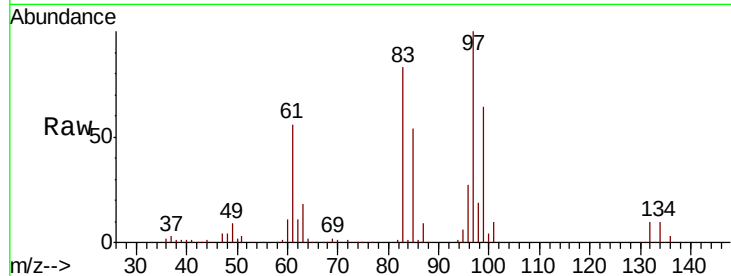
#55
 1,1,2-Trichloroethane
 Concen: 20.03 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0828MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		86519		
83	83.2	66.4	99.6		
85	54.3	43.3	64.9		
99	64.0	49.0	73.4		

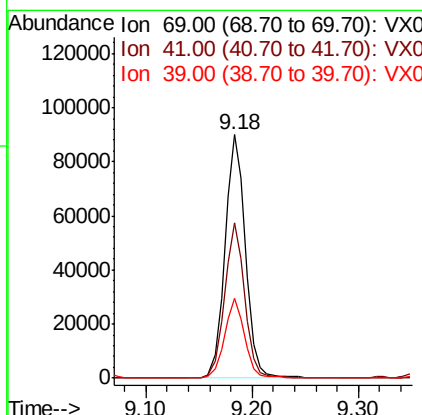
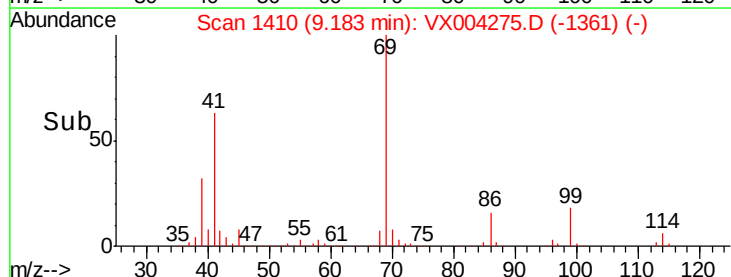
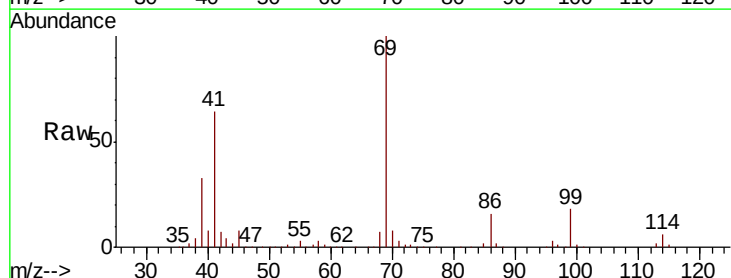
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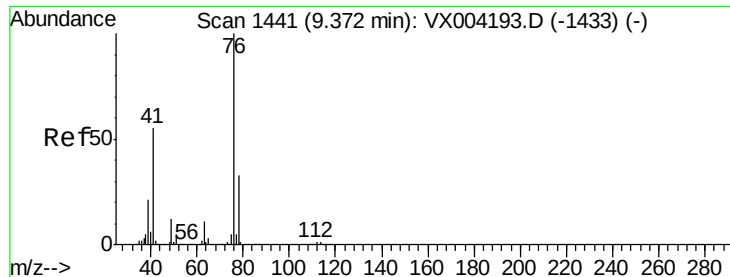
MMDadoda
 8/29/2018 5:51:20 PM



#56
 Ethyl methacrylate
 Concen: 20.54 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		120767		
41	62.6	51.0	76.4		
39	31.8	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 19.78 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion: 76 Resp: 144050

Ion Ratio Lower Upper

76 100

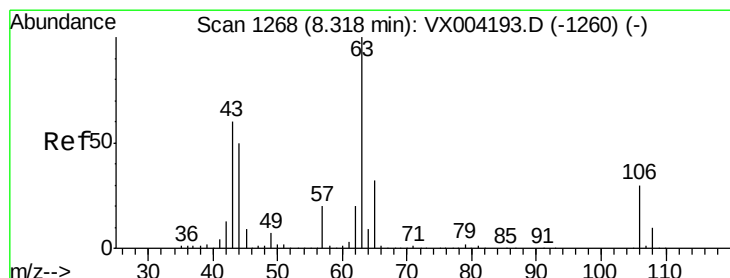
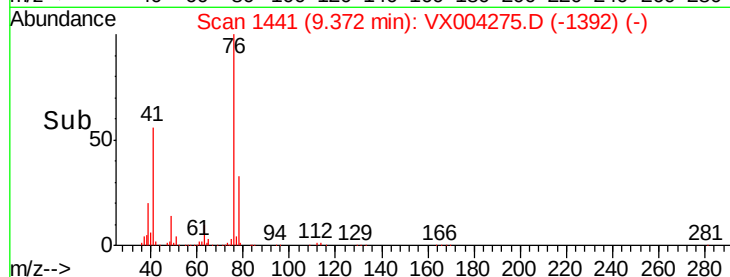
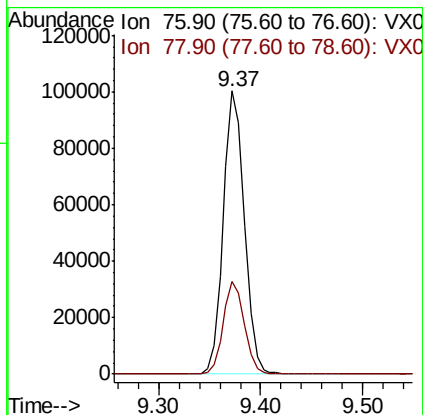
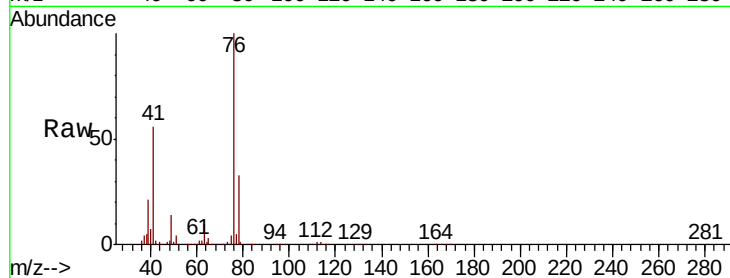
78 32.6 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 106.32 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004275.D

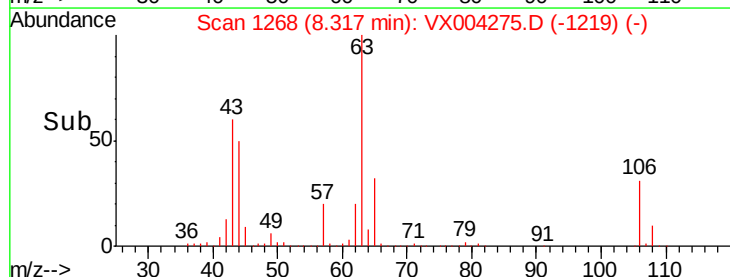
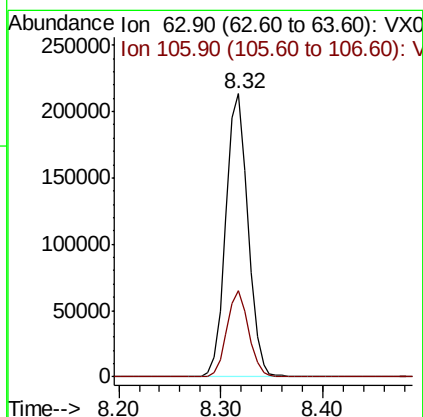
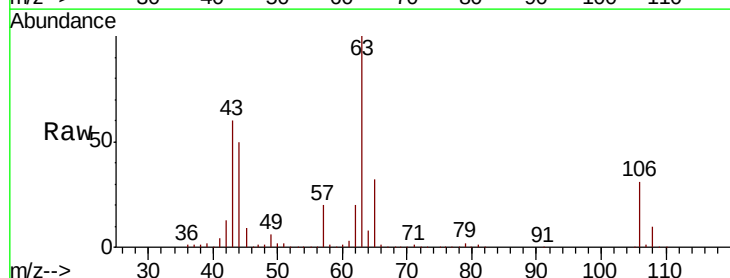
Acq: 28 Aug 2018 18:23

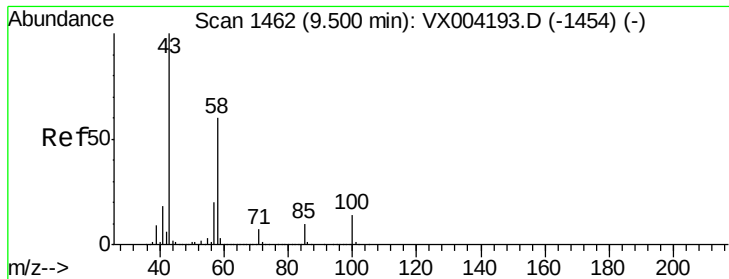
Tgt Ion: 63 Resp: 320360

Ion Ratio Lower Upper

63 100

106 30.1 23.9 35.9





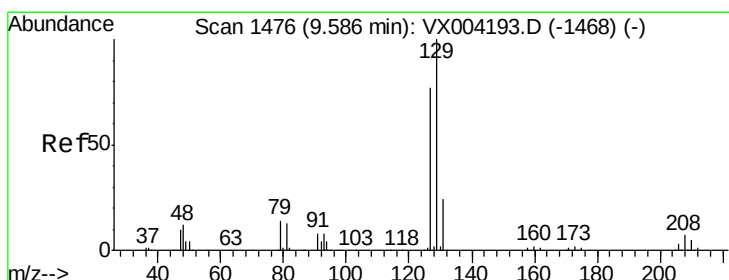
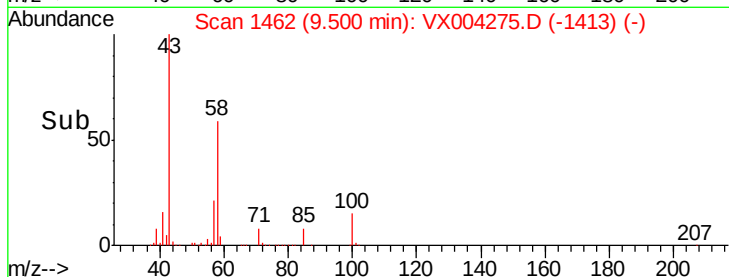
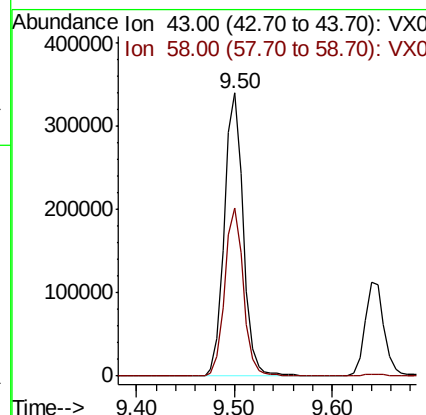
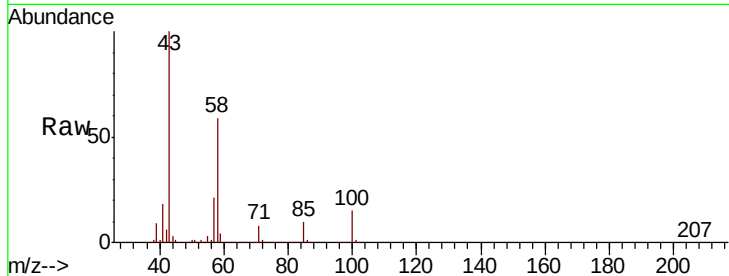
#59
2-Hexanone
Concen: 95.22 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.6	29.0	87.0

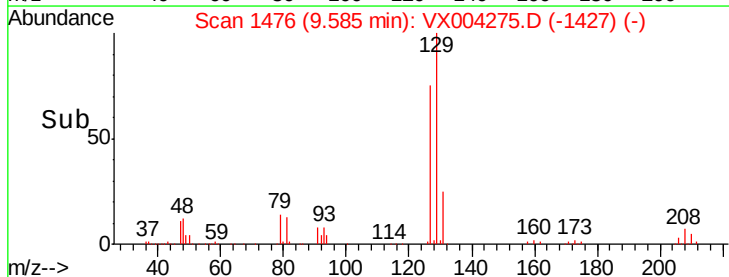
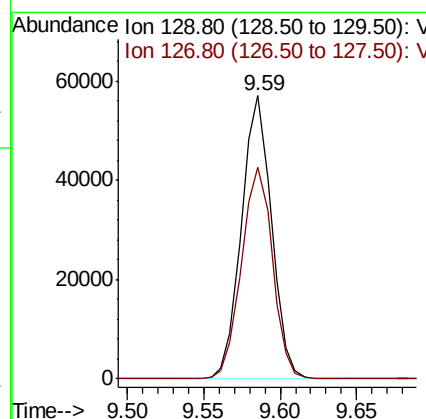
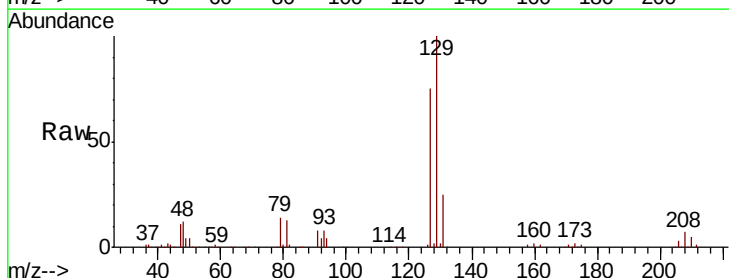
Manual Integrations
APPROVED

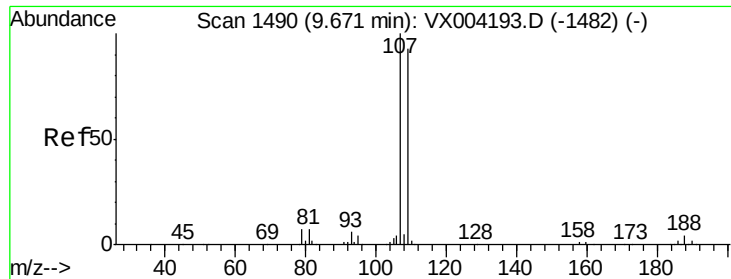
MMDadoda
8/29/2018 5:51:20 PM



#60
Dibromochloromethane
Concen: 18.56 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5





#61

1,2-Dibromoethane

Concen: 19.21 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion:107 Resp: 85886

Ion Ratio Lower Upper

107 100

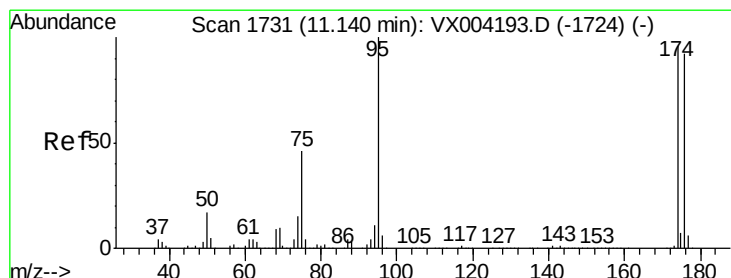
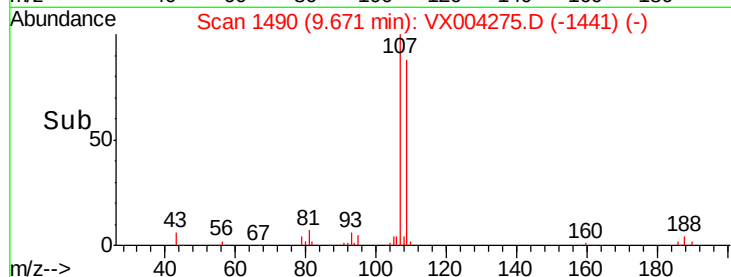
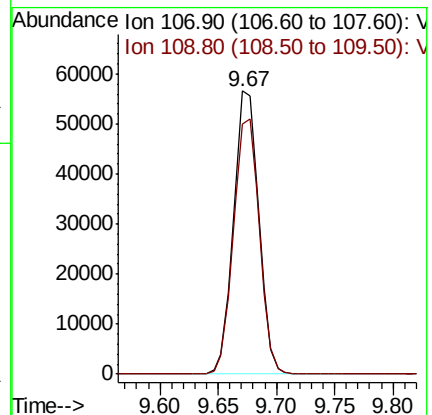
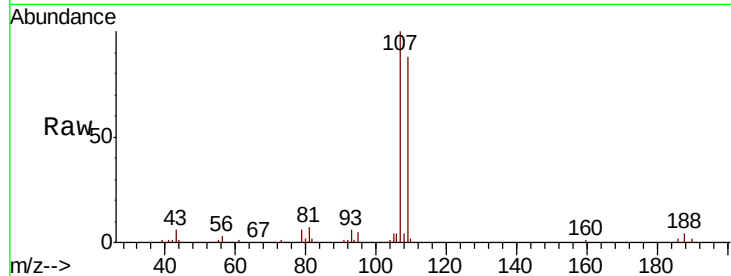
109 92.2 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

8/29/2018 5:51:20 PM



#62

4-Bromofluorobenzene

Concen: 49.29 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

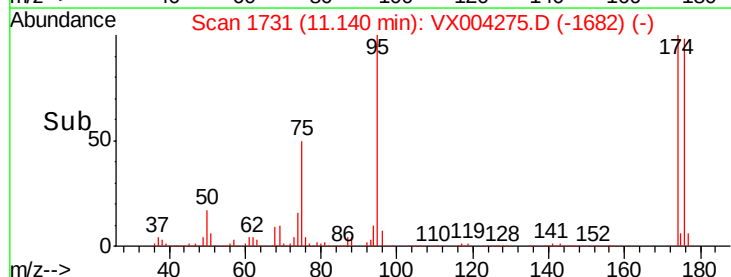
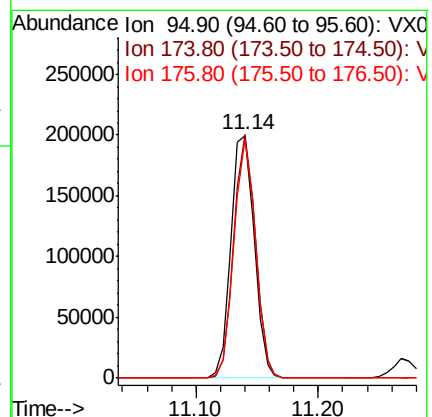
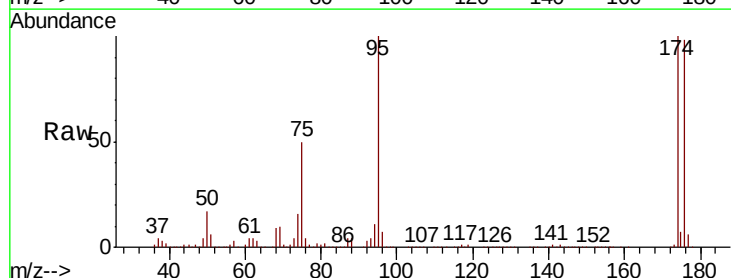
Tgt Ion: 95 Resp: 262836

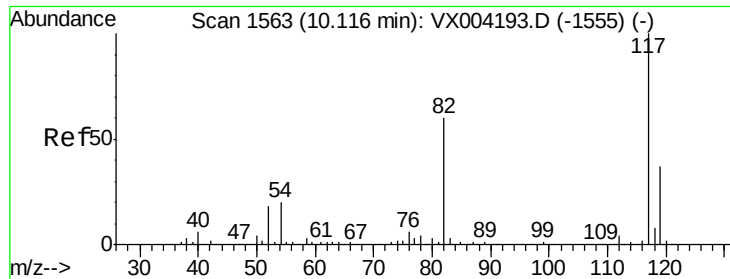
Ion Ratio Lower Upper

95 100

174 93.1 0.0 185.2

176 90.8 0.0 178.6





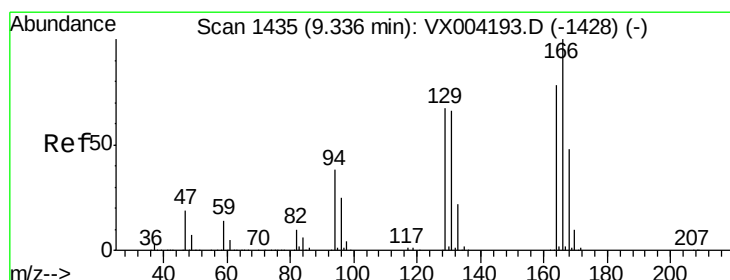
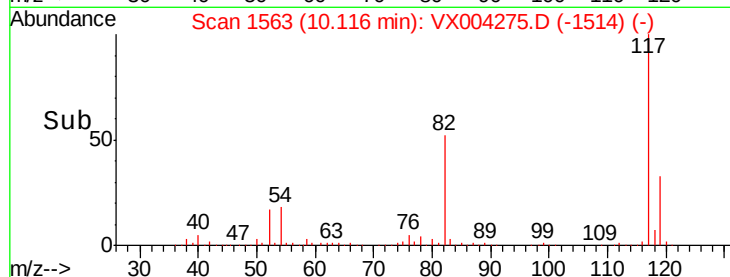
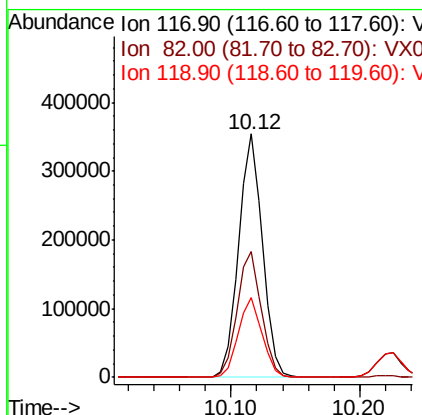
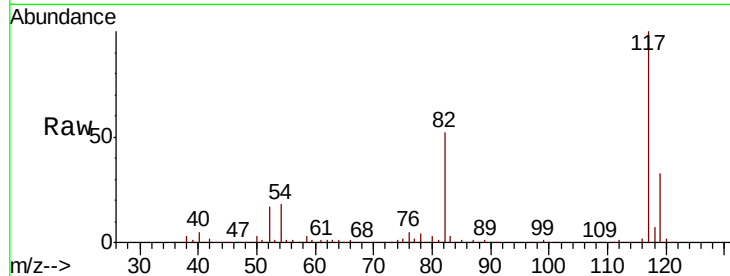
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	47.8	71.6
119	32.8	29.3	43.9

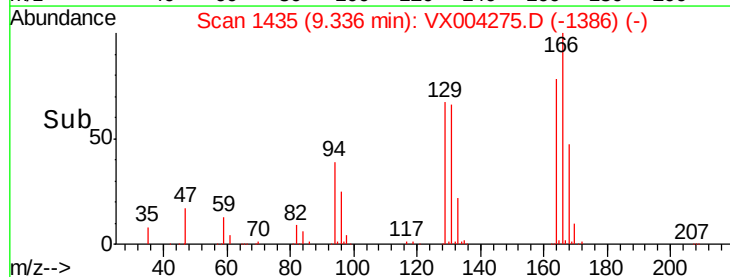
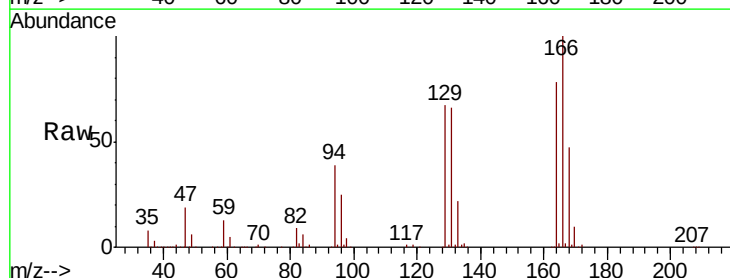
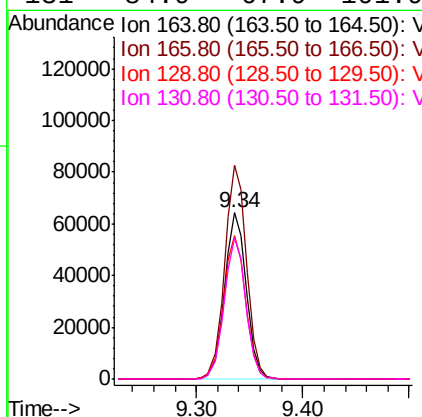
Manual Integrations
APPROVED

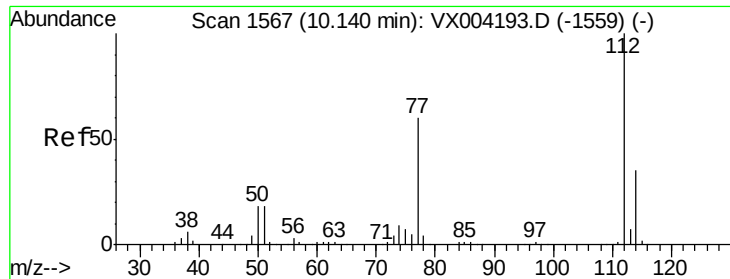
MMDadoda
8/29/2018 5:51:20 PM



#64
Tetrachloroethene
Concen: 20.57 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	102.8	154.2
129	86.1	69.4	104.0
131	84.9	67.9	101.9





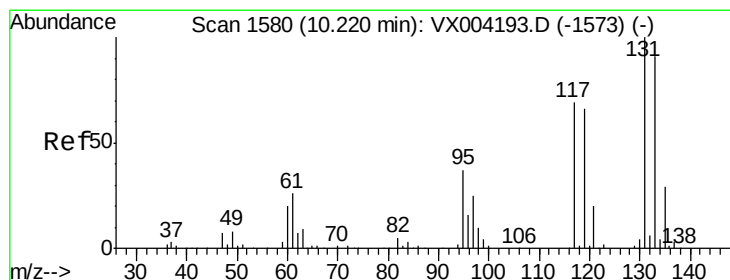
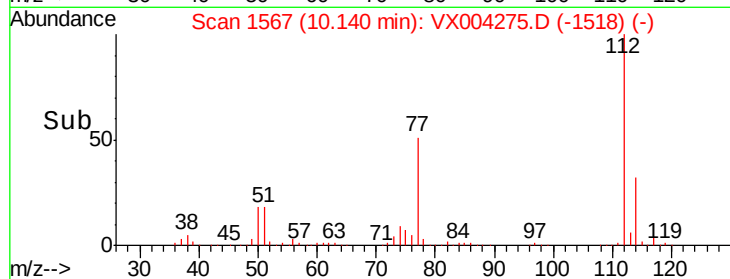
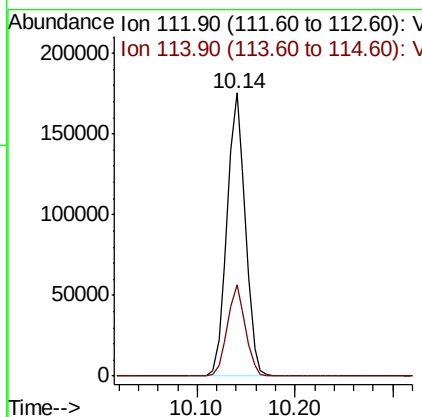
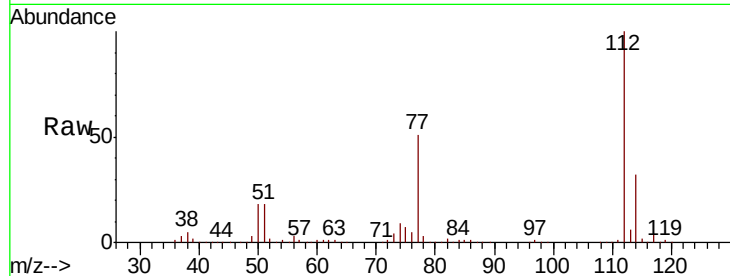
#65
Chlorobenzene
Concen: 20.12 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

Tot Ion:112 Resp: 228221
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8

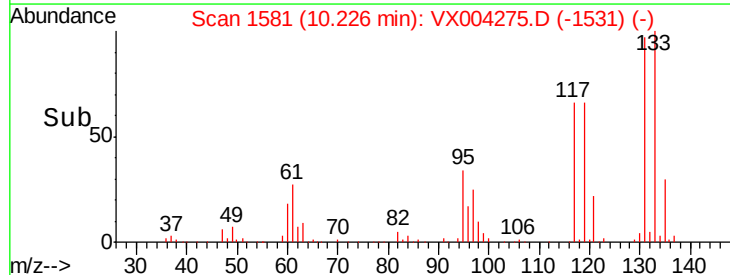
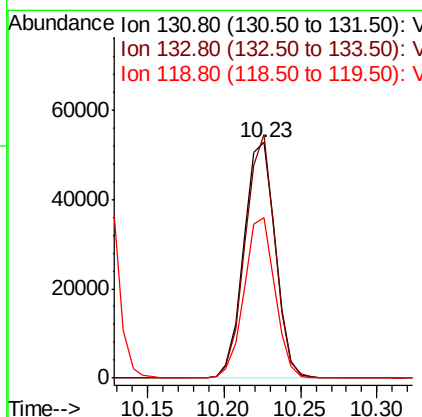
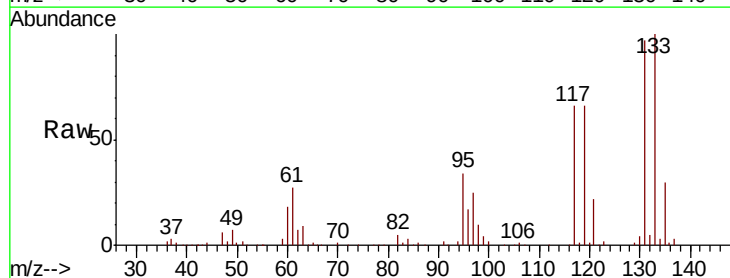
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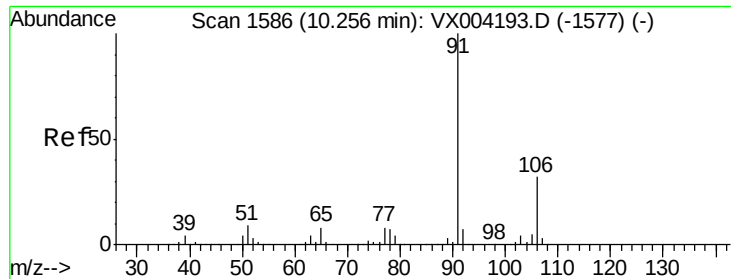
MMDadoda
8/29/2018 5:51:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.32 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion:131 Resp: 75609
Ion Ratio Lower Upper
131 100
133 97.1 48.1 144.4
119 66.4 32.9 98.6





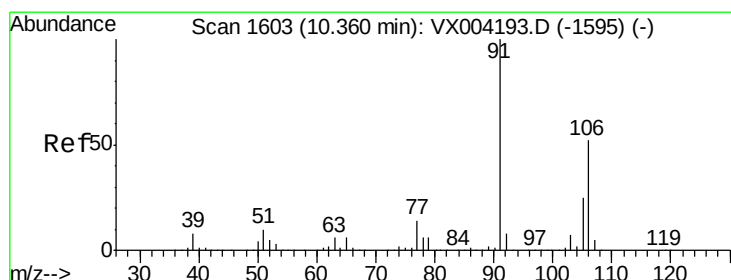
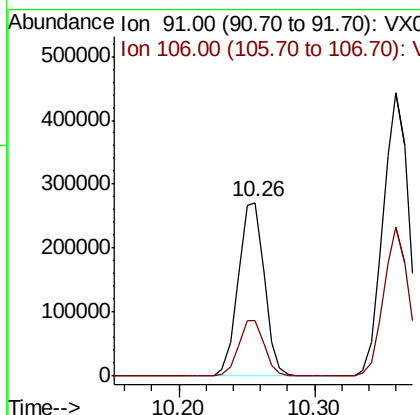
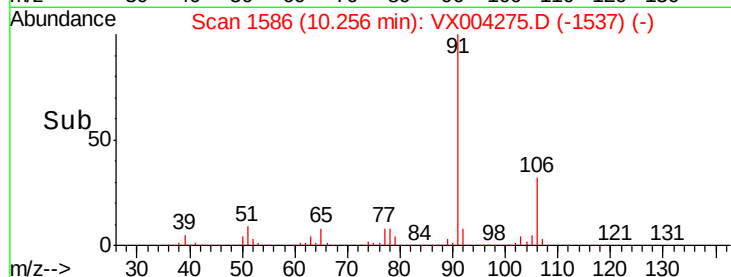
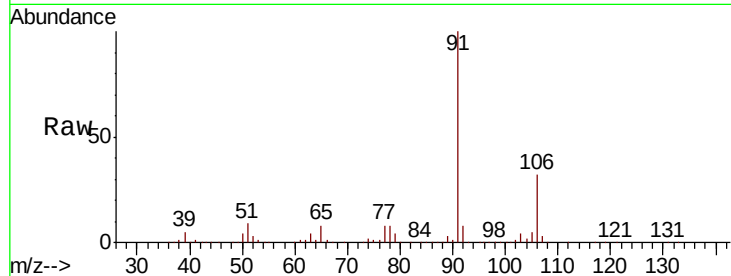
#67
Ethyl Benzene
Concen: 19.72 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

Tot Ion: 91 Resp: 363251
Ion Ratio Lower Upper
91 100
106 32.2 25.9 38.9

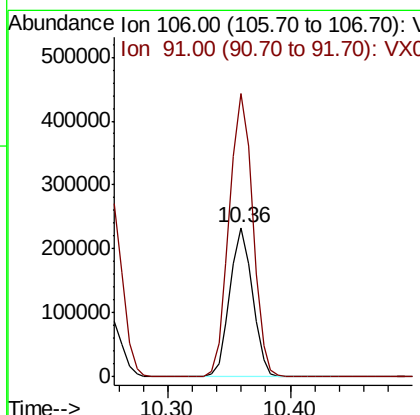
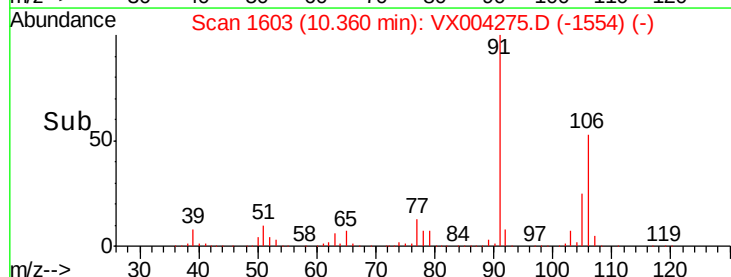
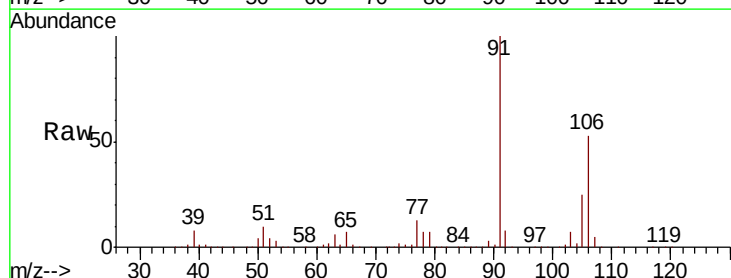
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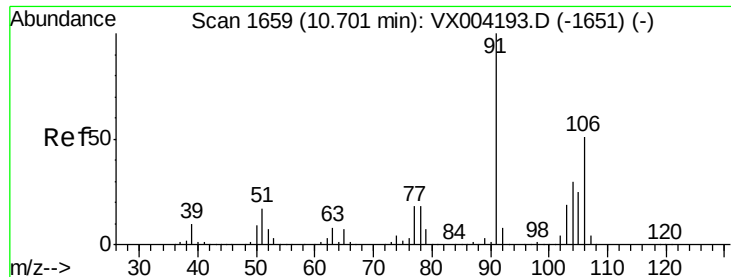
MMDadoda
8/29/2018 5:51:20 PM



#68
m/p-Xylenes
Concen: 41.62 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion: 106 Resp: 299818
Ion Ratio Lower Upper
106 100
91 197.0 157.1 235.7





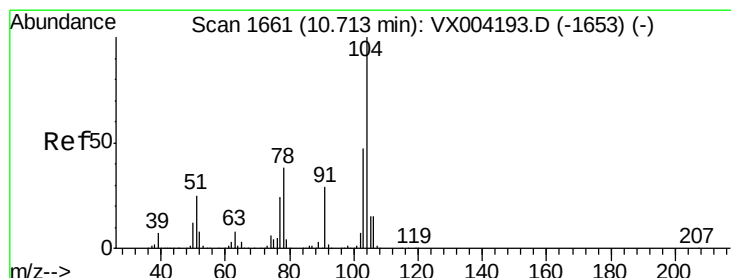
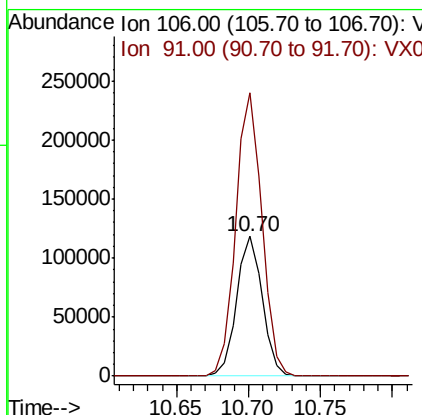
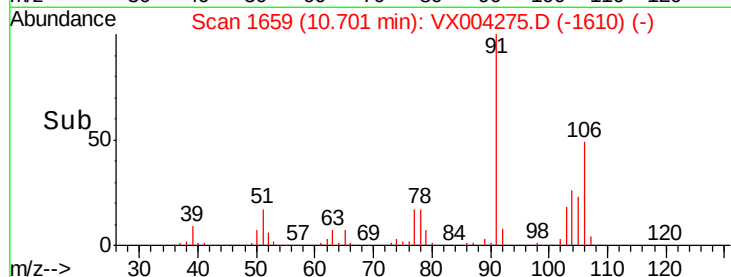
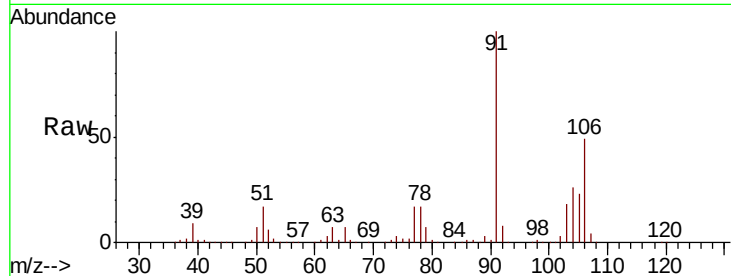
#69
o-Xylene
Concen: 21.73 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleID :
VX0828MBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.7	105.1	315.1

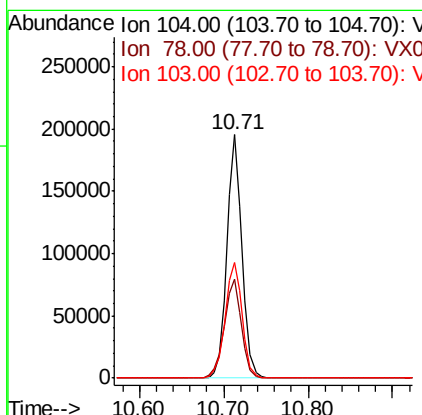
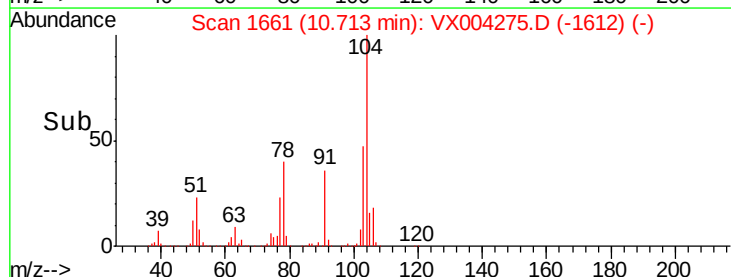
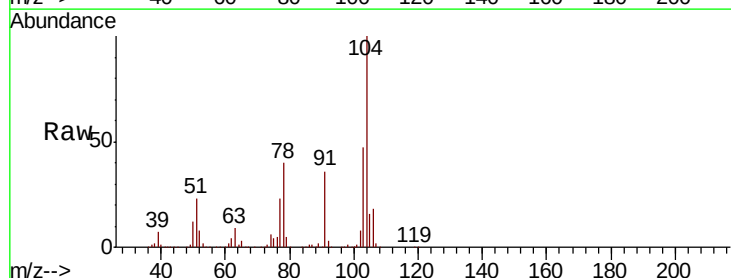
Manual Integrations
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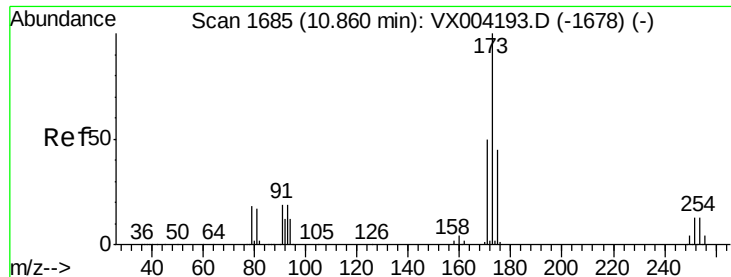
MMDadoda
8/29/2018 5:51:20 PM



#70
Styrene
Concen: 21.70 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.6	37.4	56.0
103	54.2	43.8	65.6





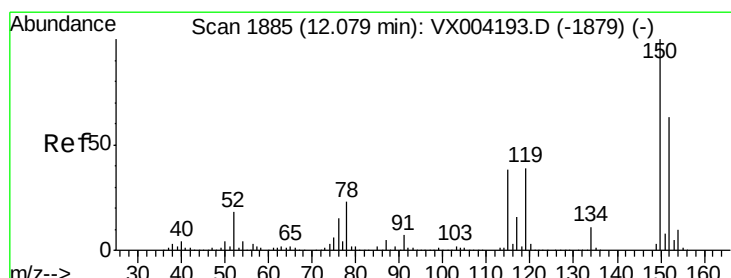
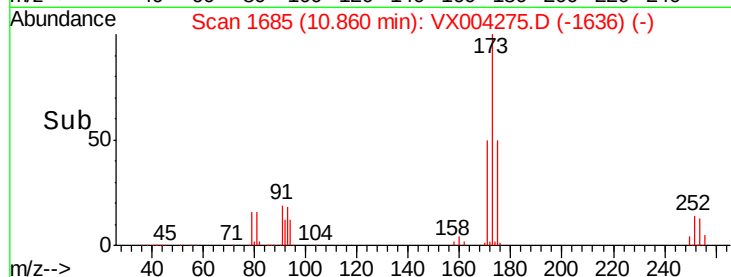
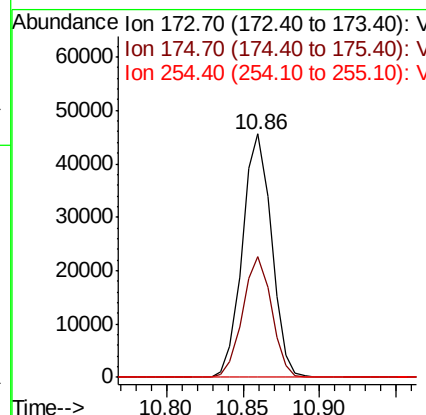
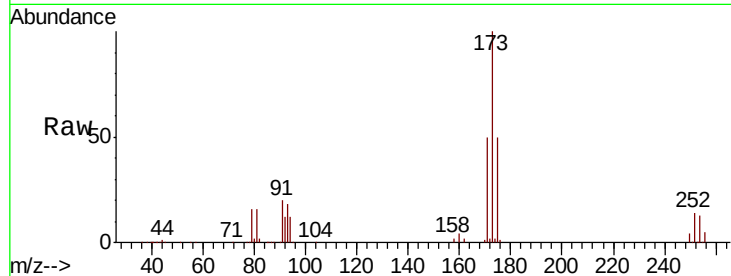
#71
Bromoform
Concen: 19.13 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.3
254	0.2	0.2	0.2

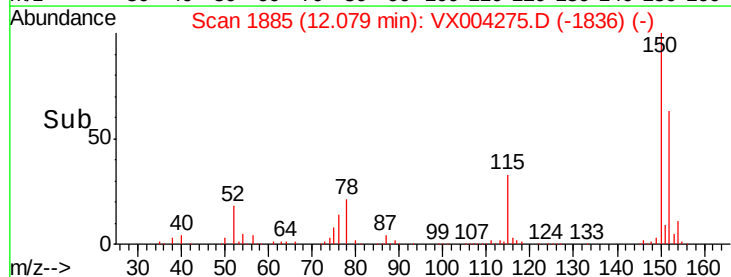
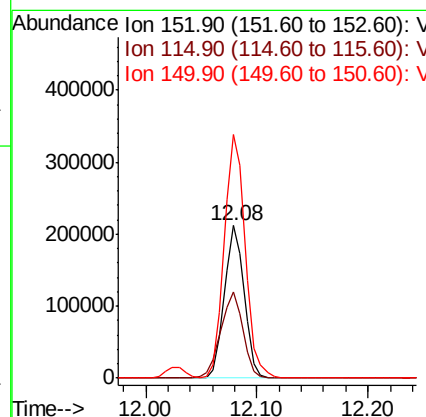
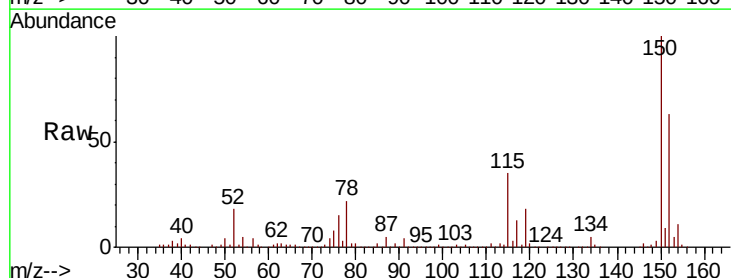
Manual Integrations
APPROVED

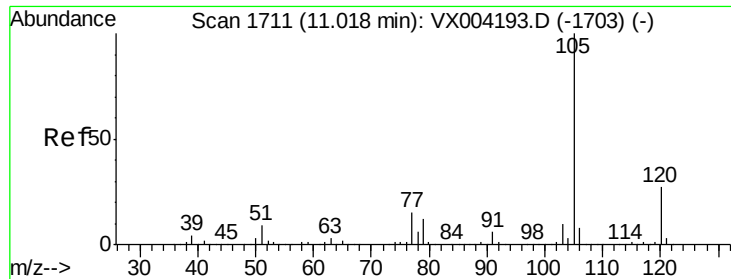
MMDadoda
8/29/2018 5:51:20 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	39.0	117.0
150	169.2	0.0	351.0





#73

Isopropylbenzene

Concen: 23.63 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion: 105 Resp: 402546

Ion Ratio Lower Upper

105 100

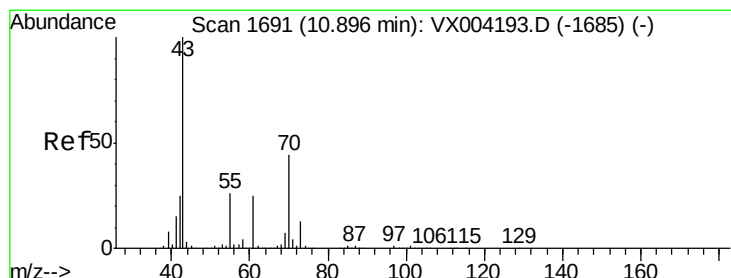
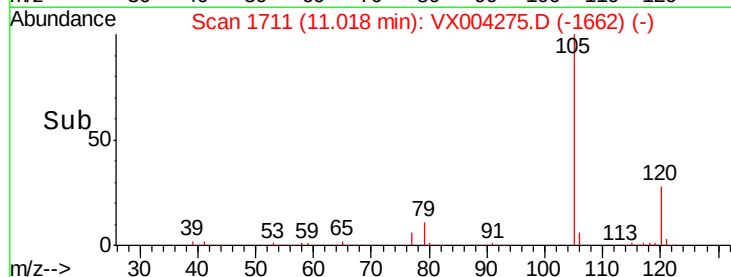
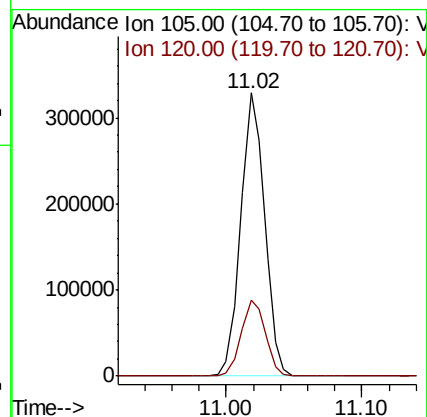
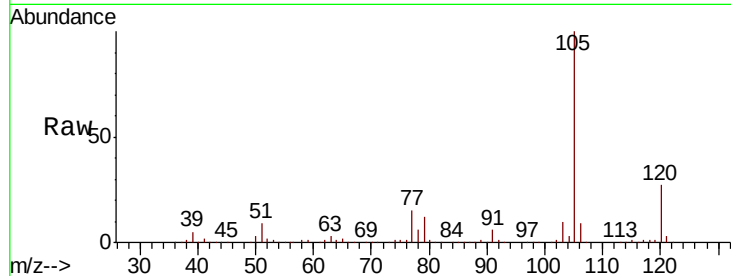
120 27.2 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.56 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Tgt Ion: 43 Resp: 147928

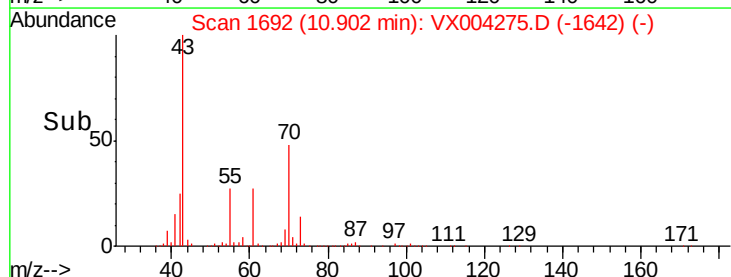
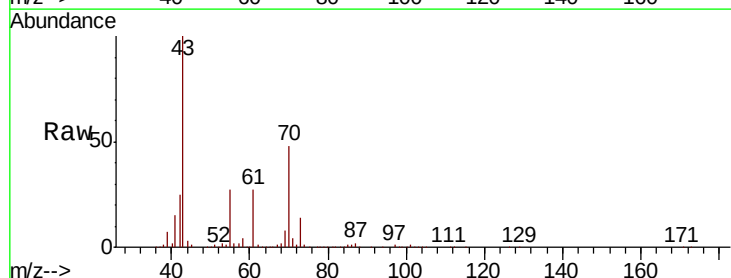
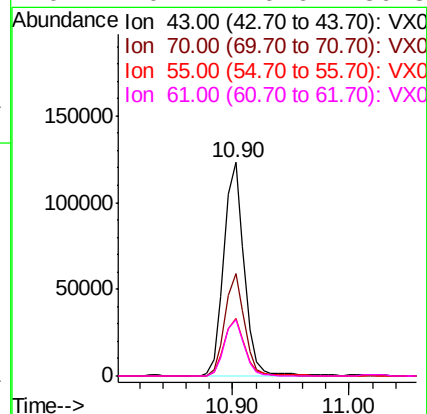
Ion Ratio Lower Upper

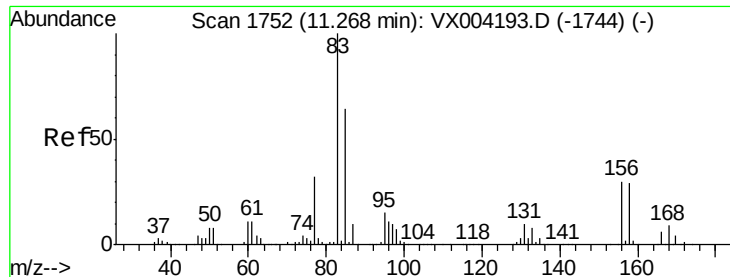
43 100

70 46.7 37.4 56.0

55 27.5 21.8 32.8

61 26.2 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.96 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

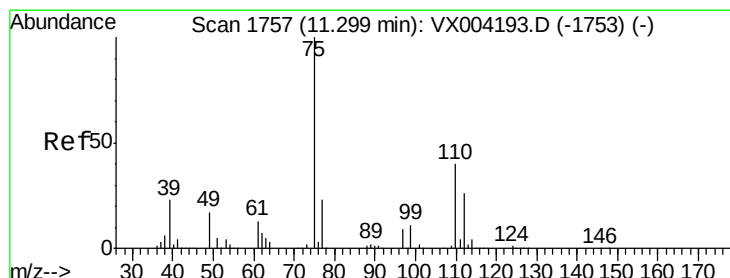
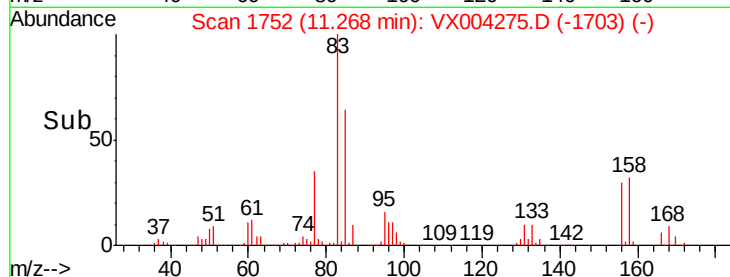
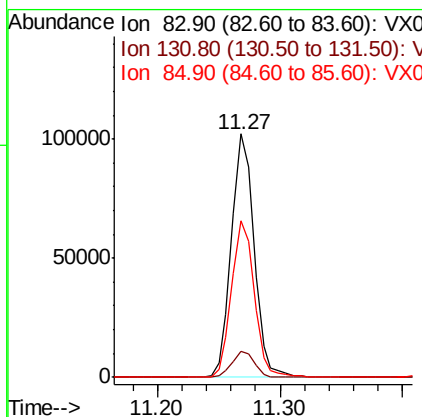
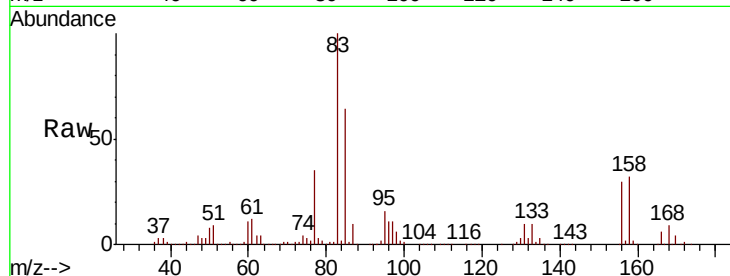
ClientSampleId :

VX0828MBSD01

Tot Ion:	83	Resp:	130921
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.7	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.19 ug/l m

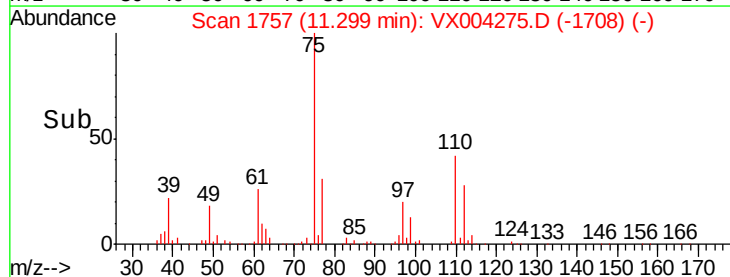
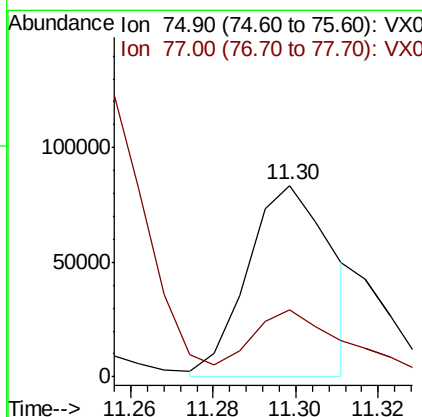
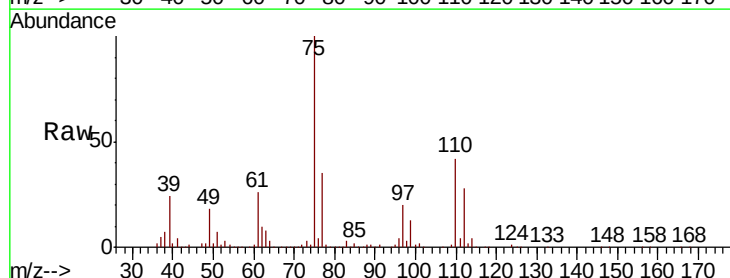
RT: 11.30 min Scan# 1757

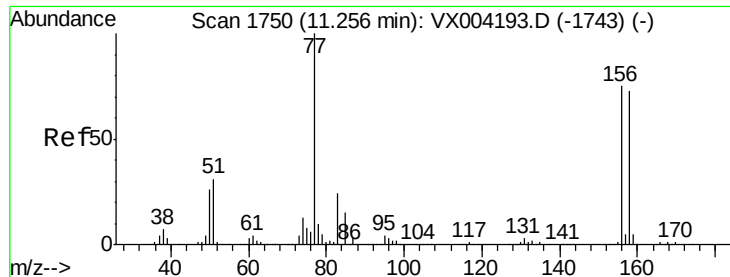
Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Tgt Ion:	75	Resp:	117068
Ion Ratio	Lower	Upper	
75	100		
77	39.7	20.2	60.6





#77

Bromobenzene

Concen: 22.56 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion:156 Resp: 107787

Ion Ratio Lower Upper

156 100

77 144.9 71.5 214.3

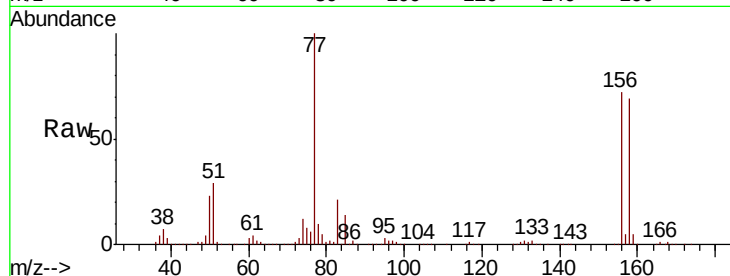
158 99.2 48.9 146.8

Manual Integrations

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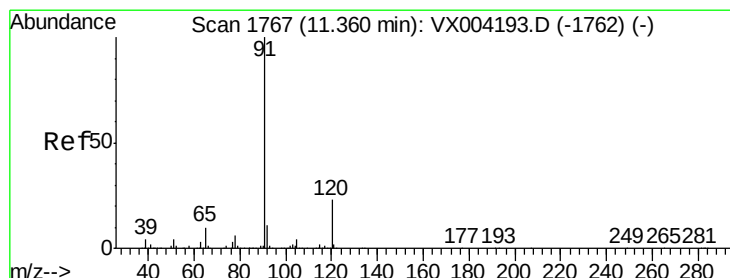
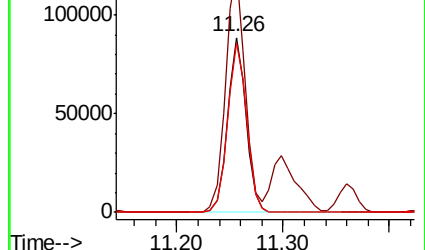
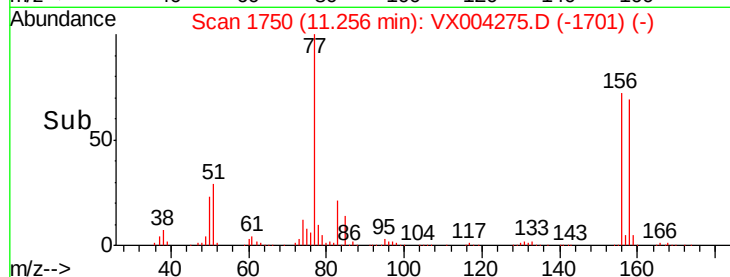
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.68 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004275.D

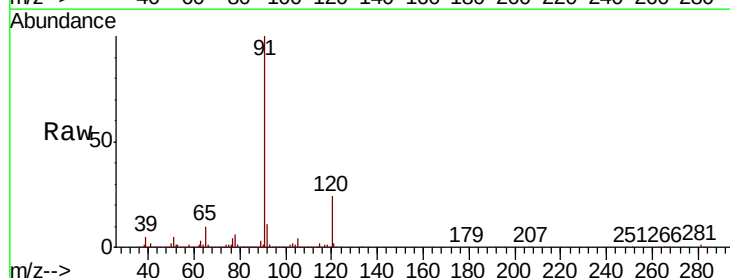
Acq: 28 Aug 2018 18:23

Tgt Ion: 91 Resp: 444334

Ion Ratio Lower Upper

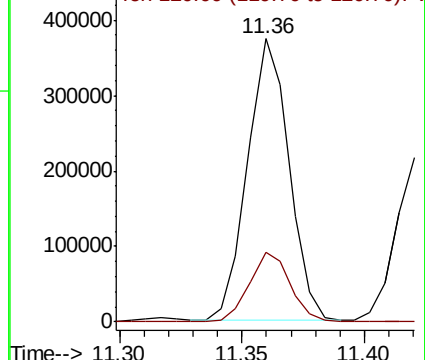
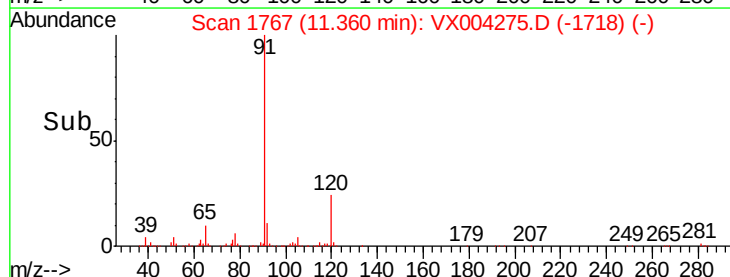
91 100

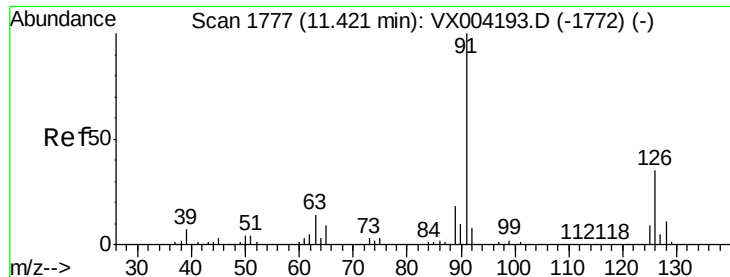
120 24.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.48 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0828MBSD01

Tot Ion: 91 Resp: 271051

Ion Ratio Lower Upper

91 100

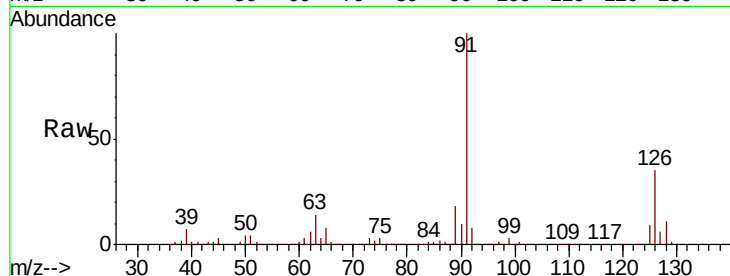
126 35.4 17.9 53.7

Manual Integrations

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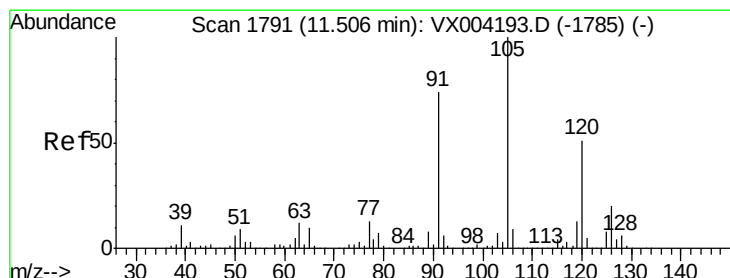
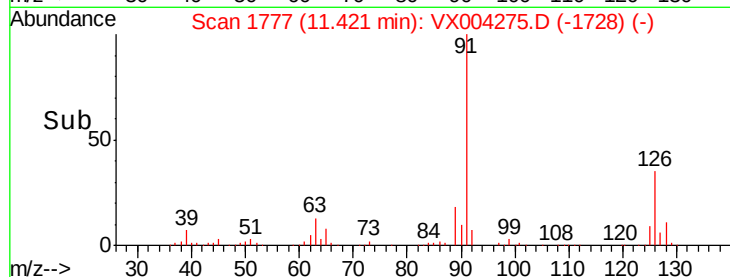
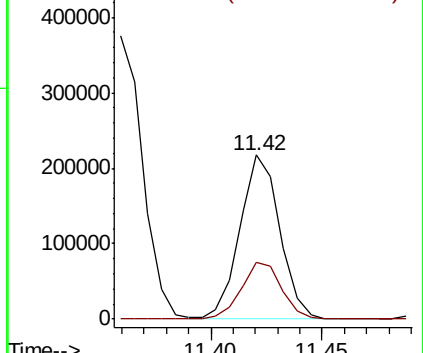
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 23.38 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004275.D

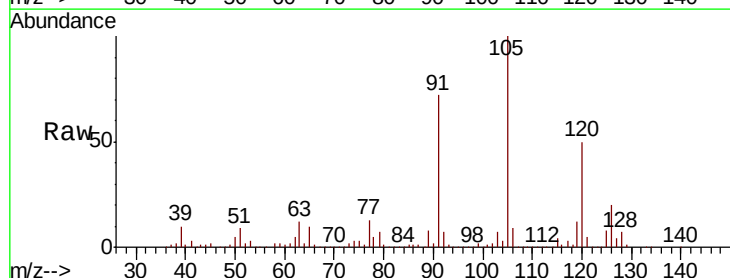
Acq: 28 Aug 2018 18:23

Tgt Ion:105 Resp: 329843

Ion Ratio Lower Upper

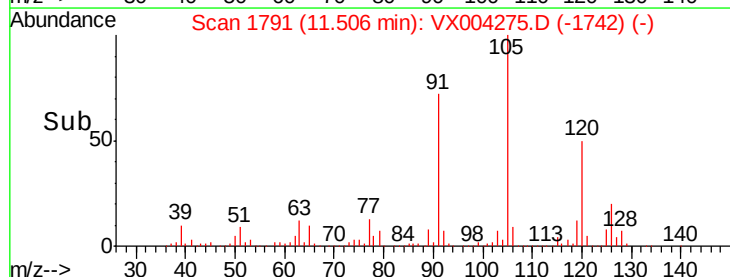
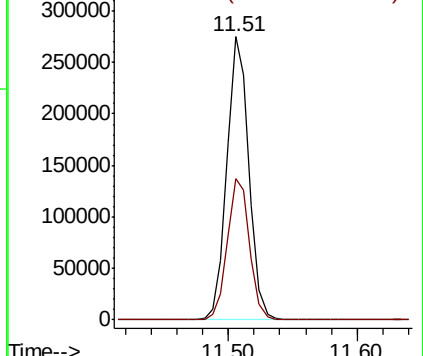
105 100

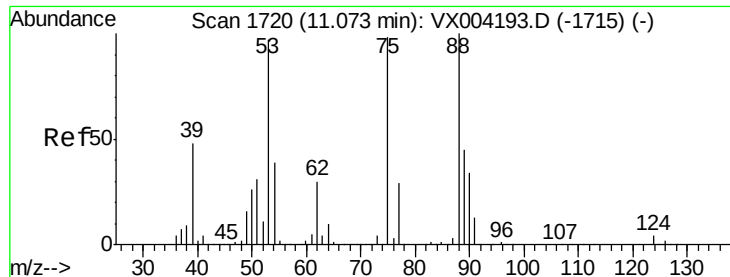
120 50.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.24 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Instrument :

MSVOA_X

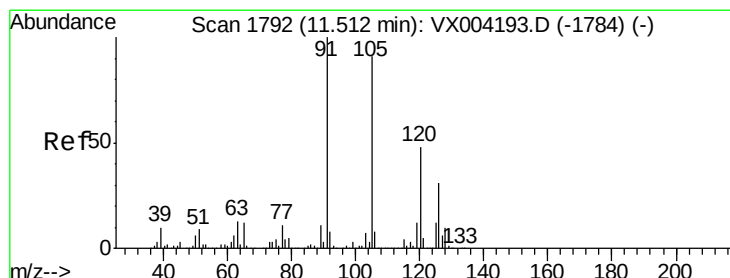
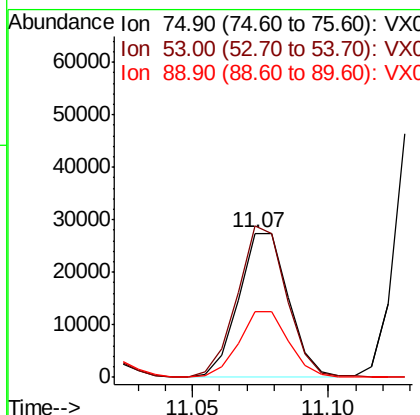
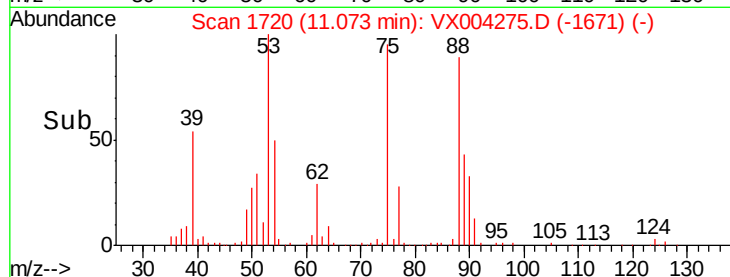
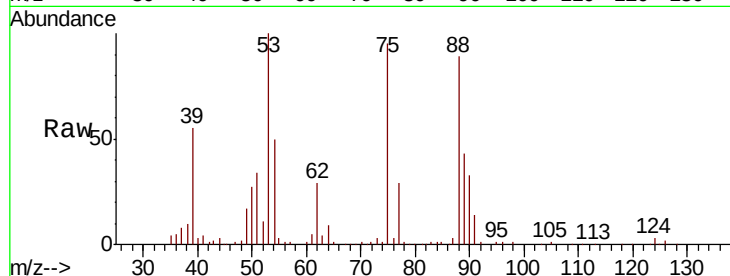
ClientSampleId :

VX0828MBSD01

Tot Ion:	75	Resp:	34531
Ion	Ratio	Lower	Upper
75	100		
53	104.0	80.1	120.1
89	46.5	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.01 ug/l

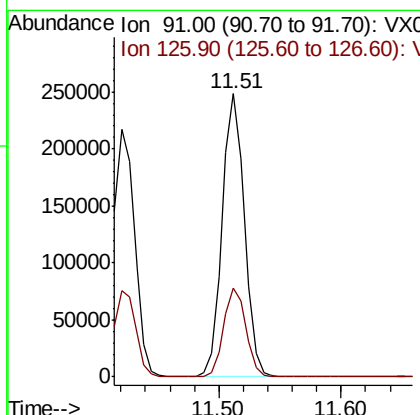
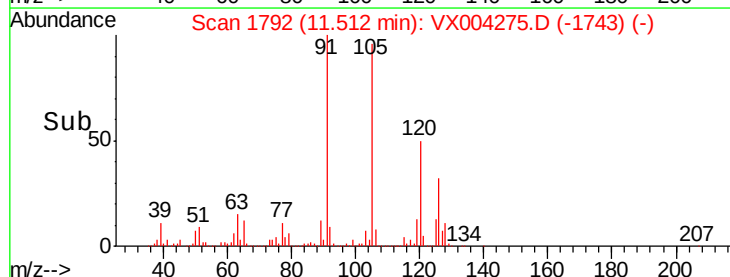
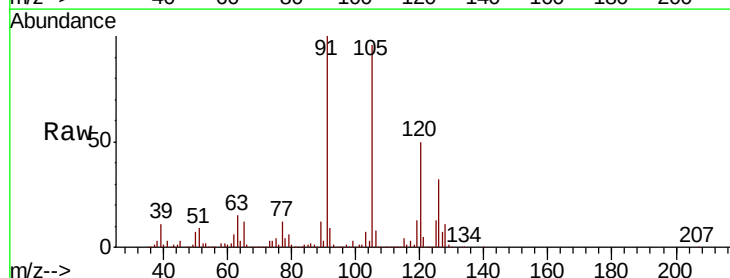
RT: 11.51 min Scan# 1792

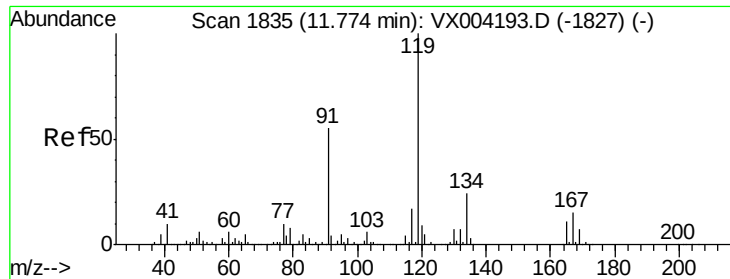
Delta R.T. -0.00 min

Lab File: VX004275.D

Acq: 28 Aug 2018 18:23

Tgt Ion:	91	Resp:	312258
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.5	46.5





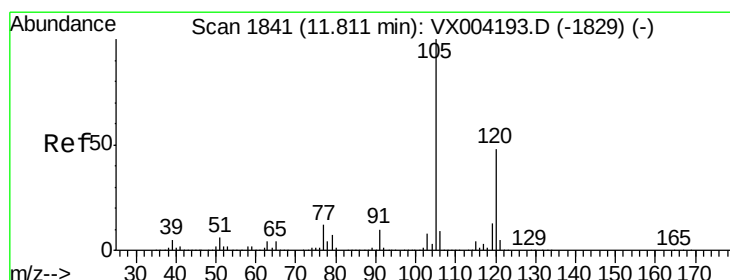
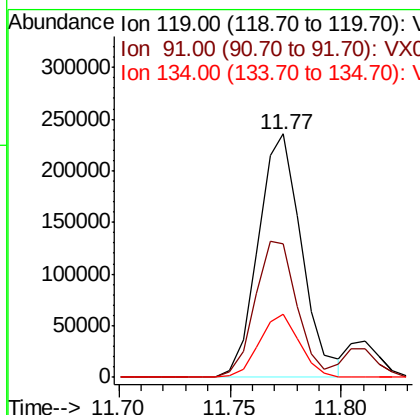
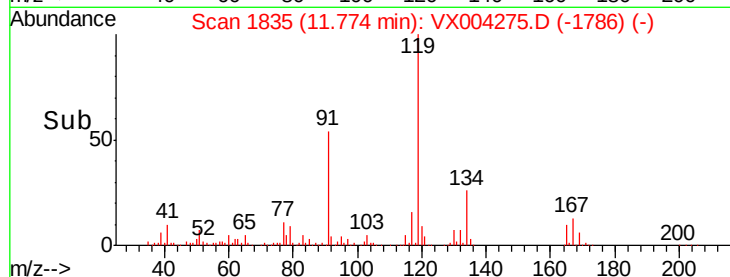
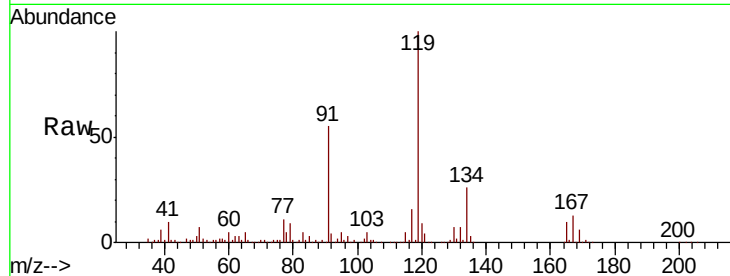
#83
 tert-Butylbenzene
 Concen: 22.50 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0828MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	319380		
91	54.0	27.0	81.0	
134	24.2	11.7	35.1	

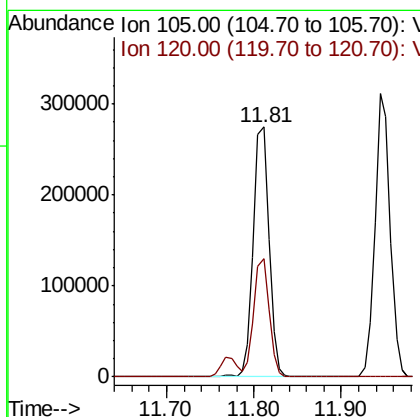
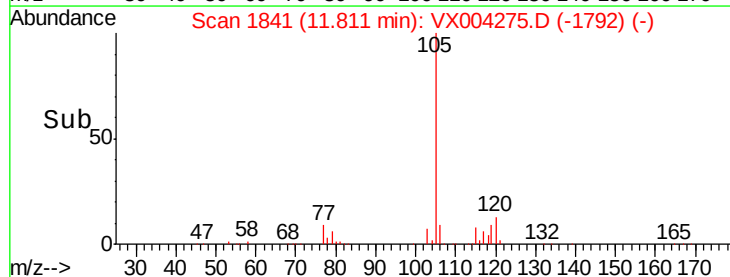
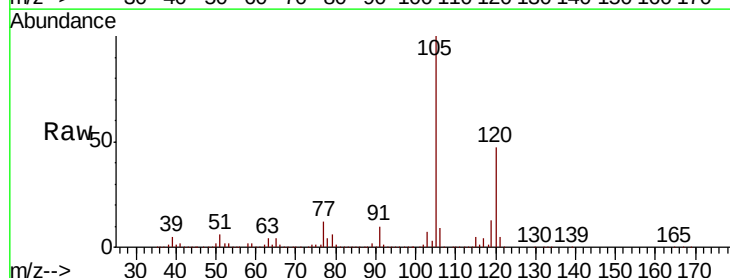
Manual Integrations
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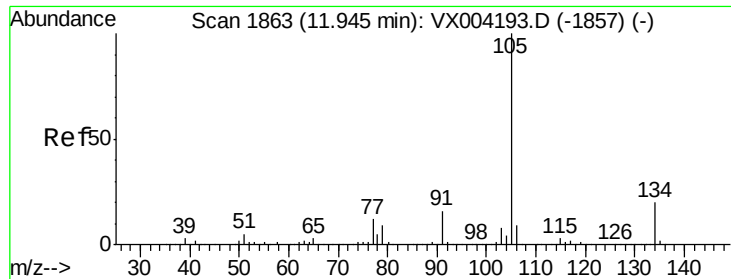
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.59 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	341559		
120	46.0	23.2	69.6	





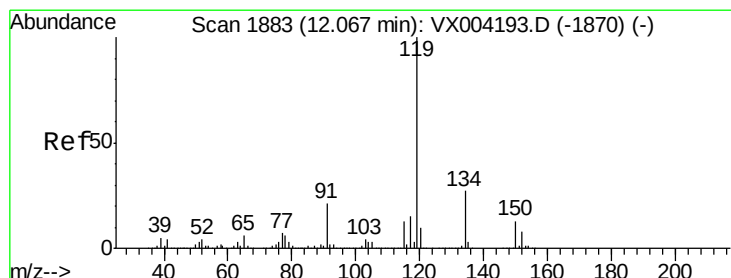
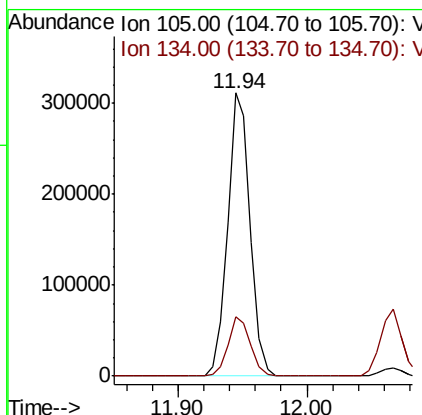
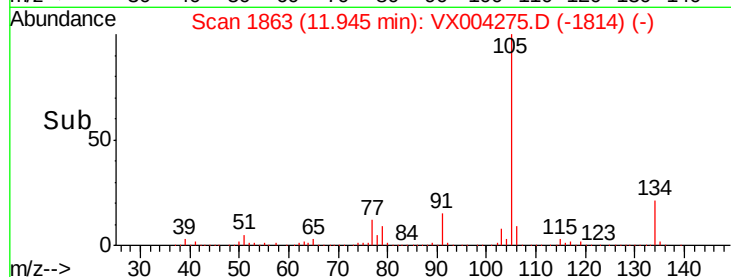
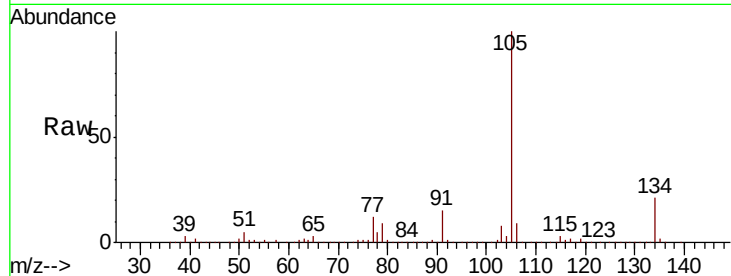
#85
 sec-Butylbenzene
 Concen: 22.54 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Instrument :
 MSVOA_X
 ClientSampled :
 VX0828MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.5	31.5

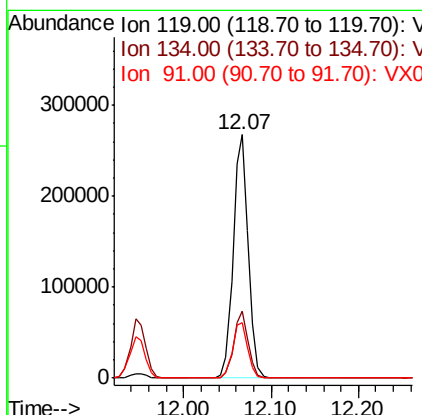
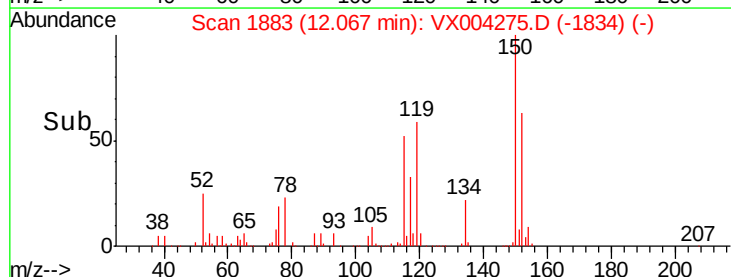
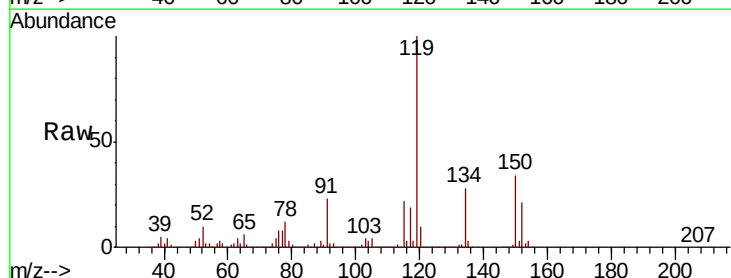
Manual Integrations
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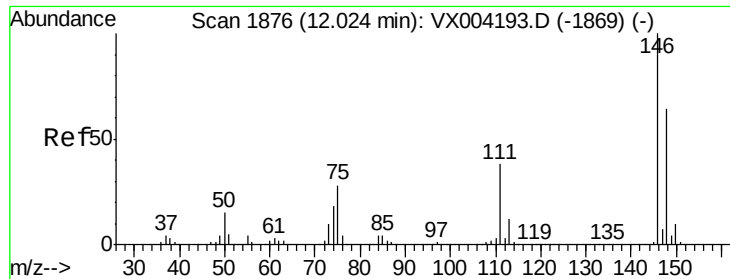
MMDadoda
 8/29/2018 5:51:20 PM



#86
 p-Isopropyltoluene
 Concen: 21.17 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	23.3	10.9	32.7





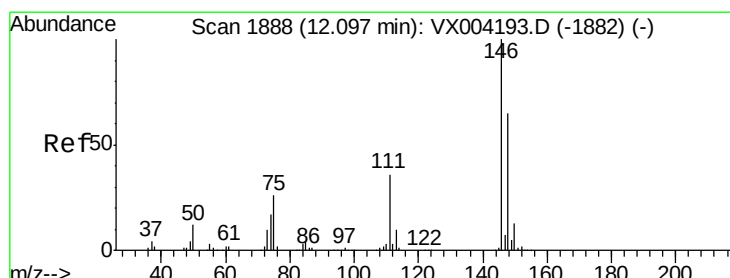
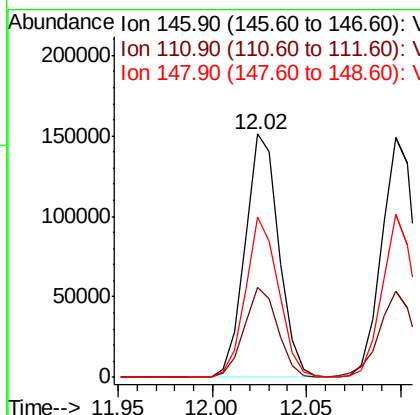
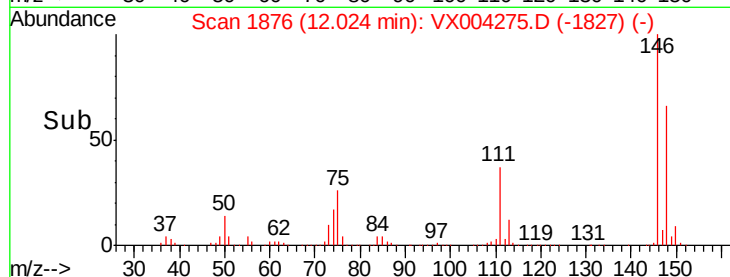
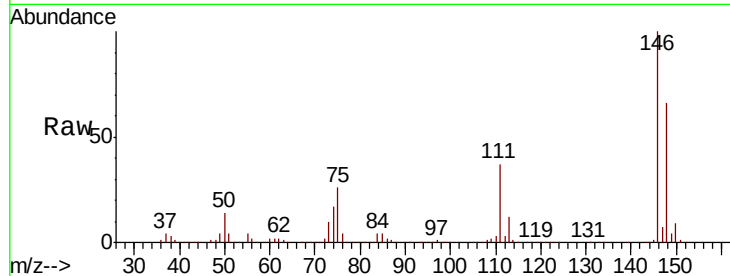
#87
 1,3-Dichlorobenzene
 Concen: 20.85 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0828MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	64.4	32.1	96.5

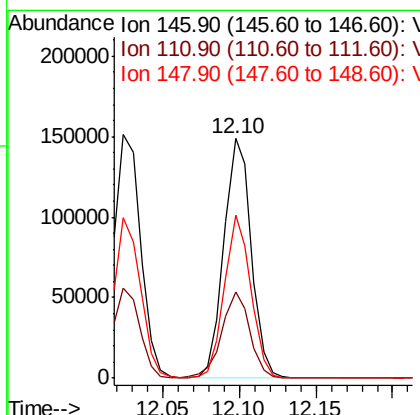
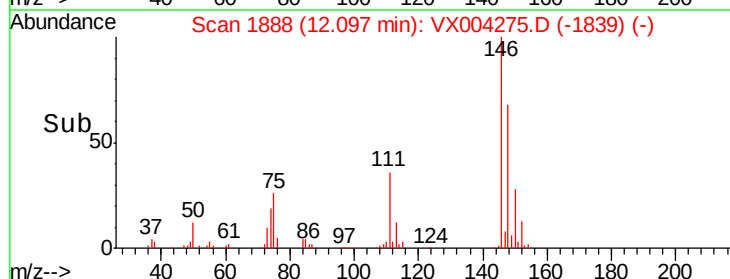
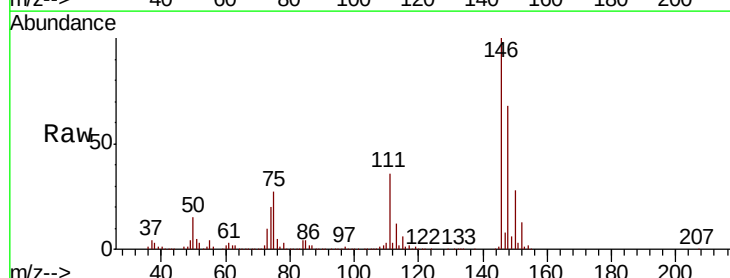
Manual Integrations
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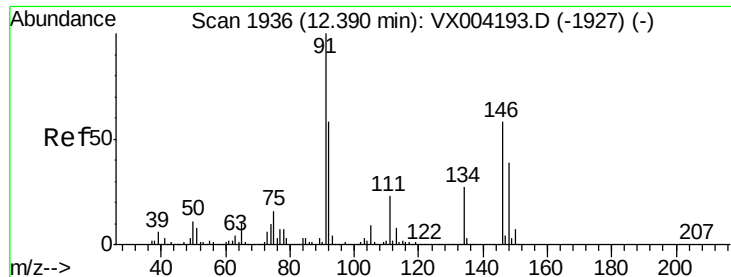
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#88
 1,4-Dichlorobenzene
 Concen: 19.40 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	65.8	32.0	96.0





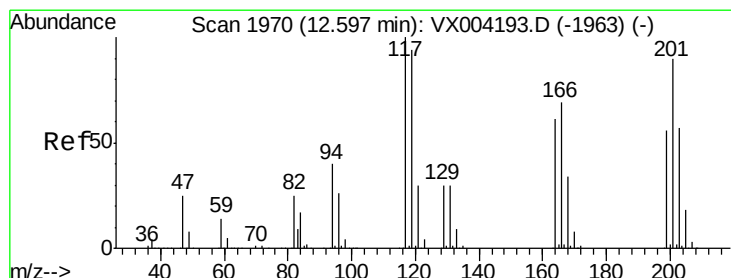
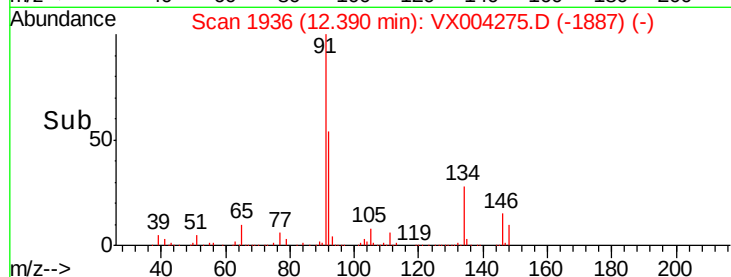
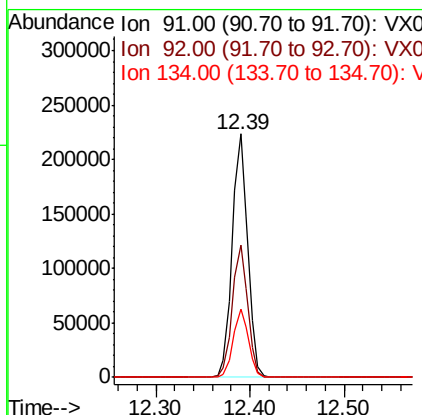
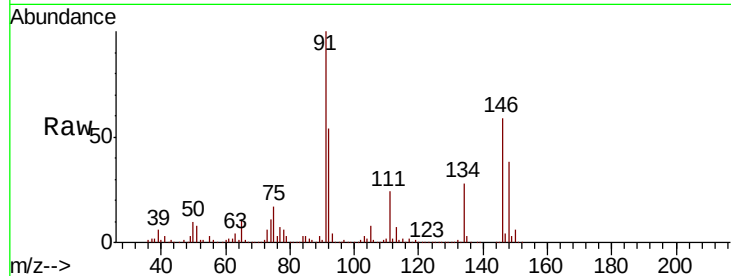
#89
n-Butylbenzene
Concen: 20.75 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	254821		
92	53.9	27.3	81.9	
134	27.5	13.6	40.7	

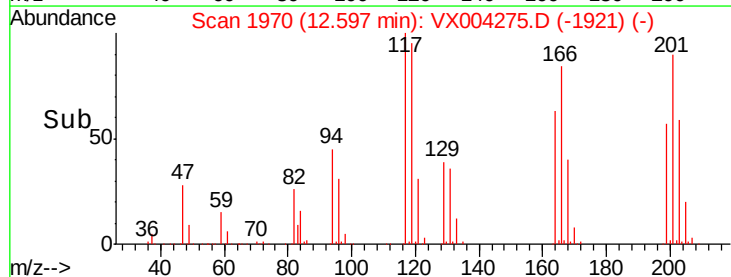
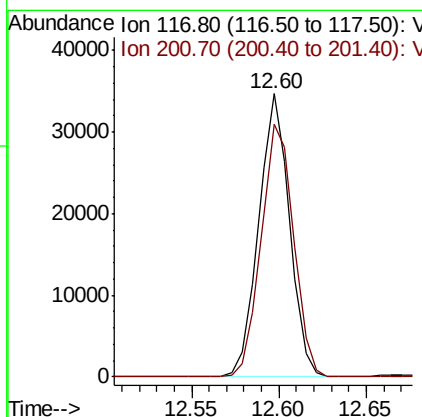
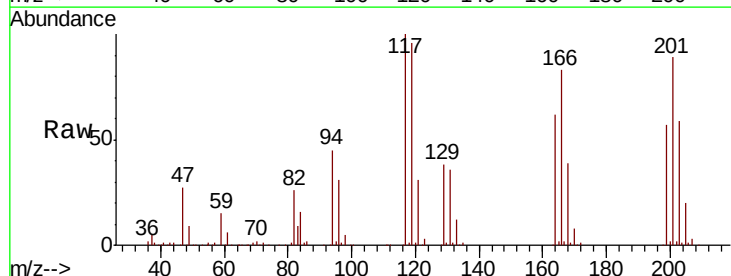
Manual Integrations
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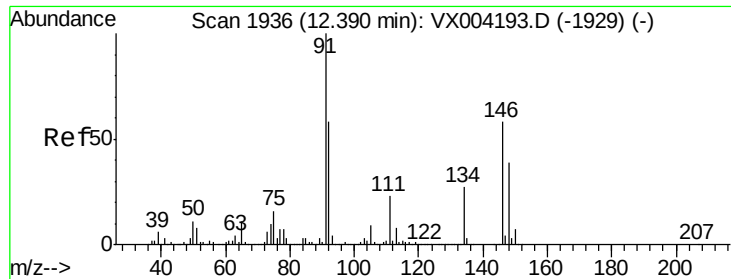
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#90
Hexachloroethane
Concen: 20.27 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42782		
201	94.5	46.9	140.6	





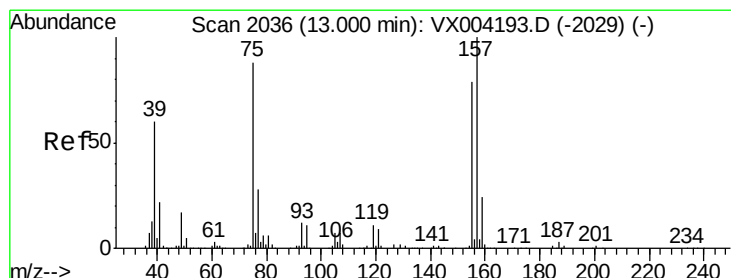
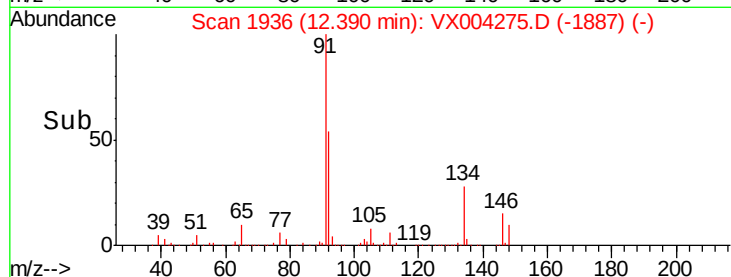
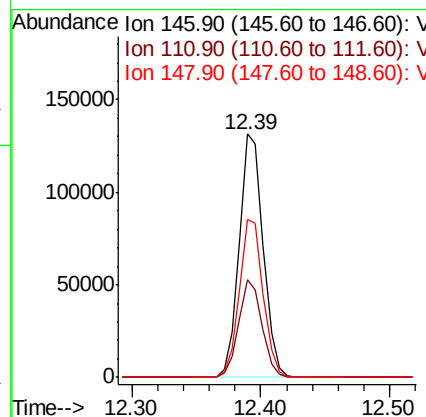
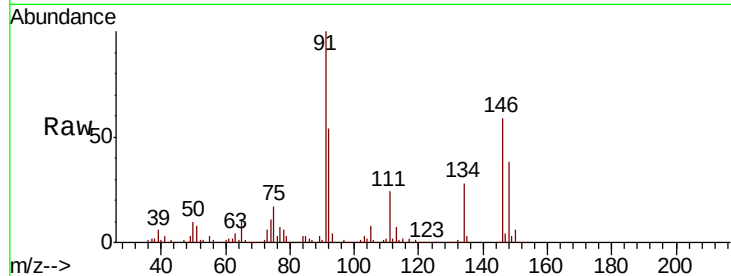
#91
 1,2-Dichlorobenzene
 Concen: 20.68 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Instrument :
 MSVOA_X
 ClientSampled :
 VX0828MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	170029		
111	39.4		19.4	58.1
148	64.7		32.8	98.3

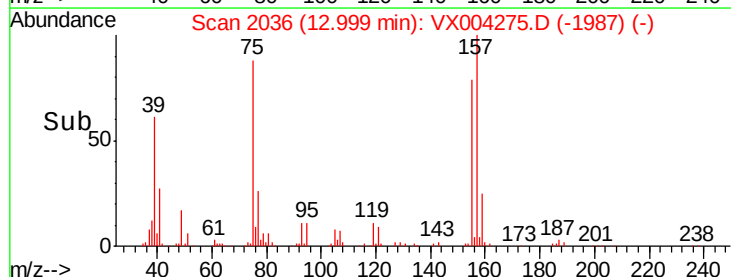
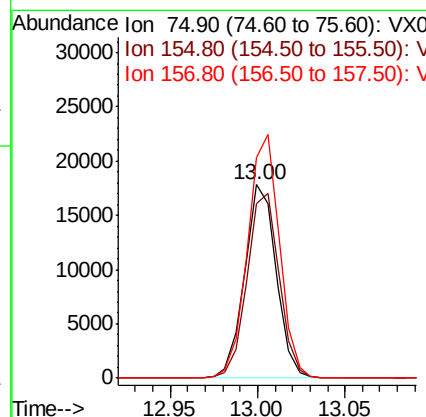
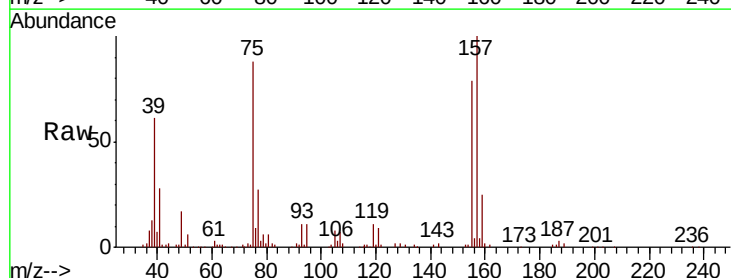
Manual Integrations
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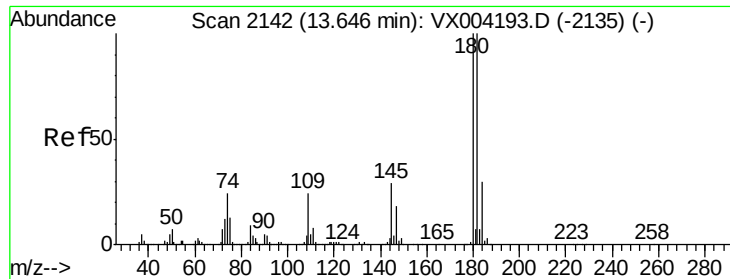
MMDadoda
 8/29/2018 5:51:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.40 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22467		
155	96.9		48.0	144.2
157	126.6		61.4	184.1





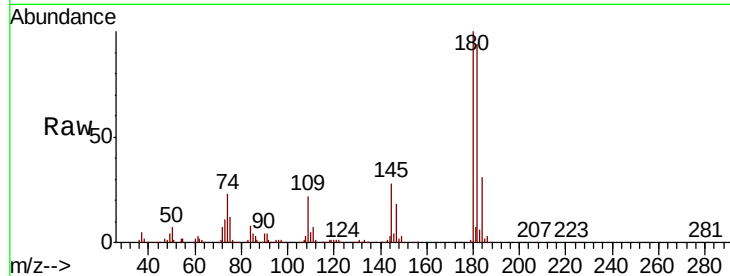
#93
 1,2,4-Trichlorobenzene
 Concen: 20.37 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Instrument :
 MSVOA_X
 ClientSampled :
 VX0828MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121834		
182	94.2	48.4	145.0	
145	28.2	14.3	42.9	

Manual Integrations
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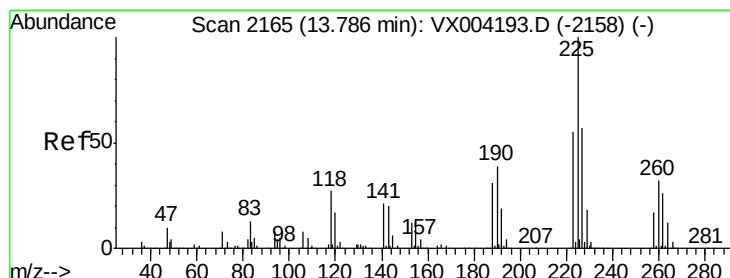
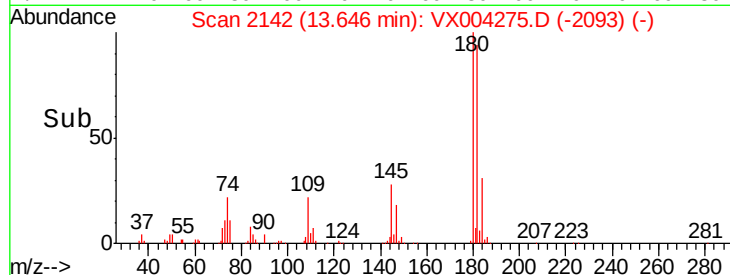
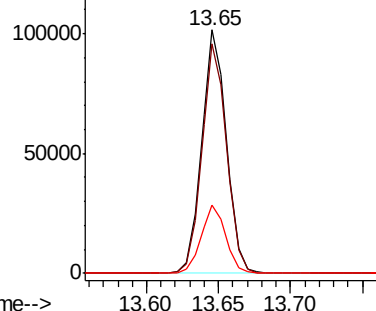


Abundance

Ion 179.80 (179.50 to 180.50): V

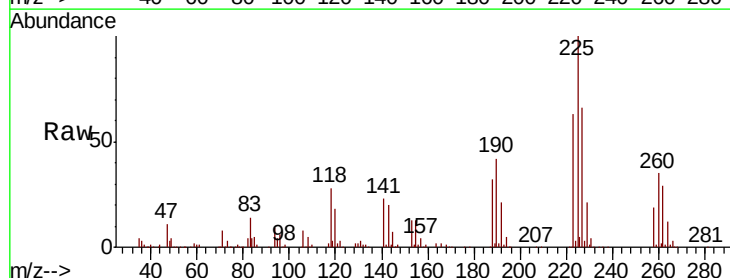
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.21 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004275.D
 Acq: 28 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53693		
223	63.2	30.1	90.5	
227	65.9	30.8	92.4	

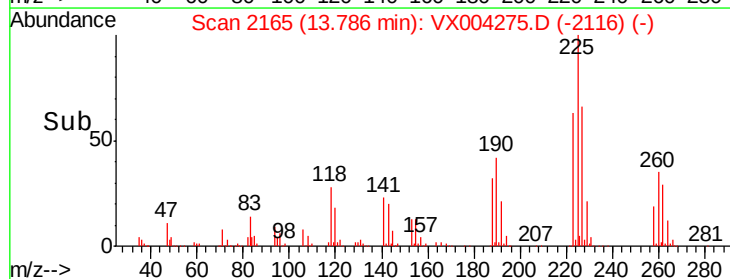
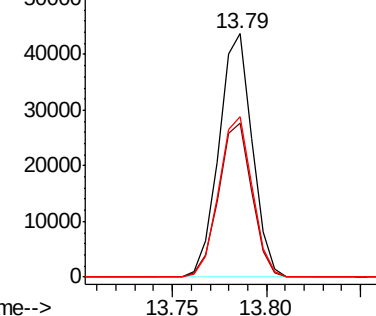


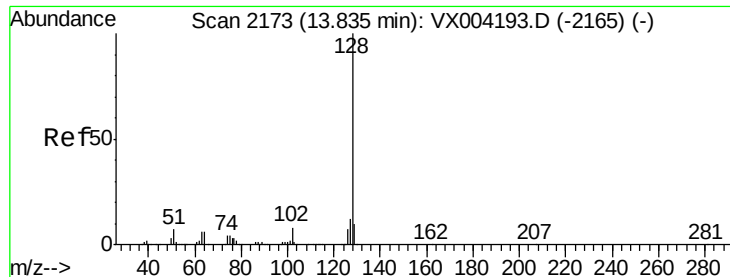
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





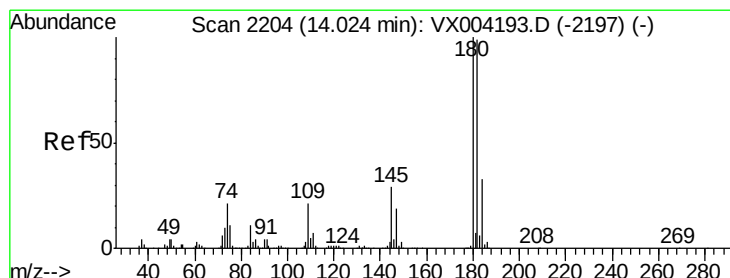
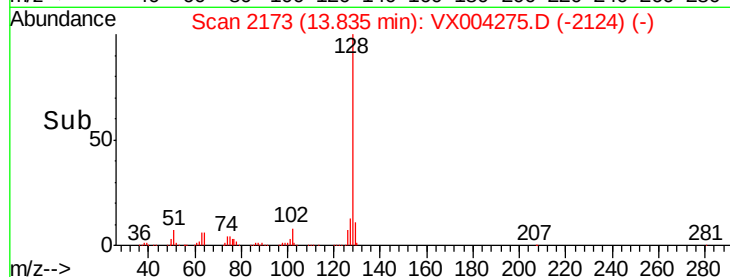
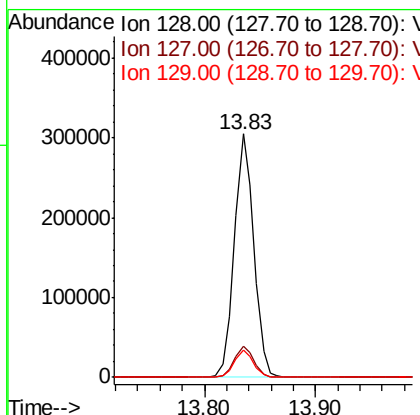
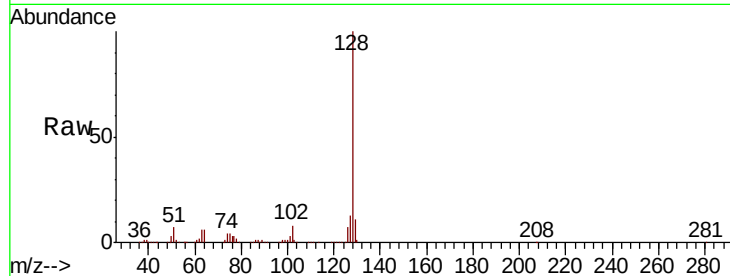
#95
Naphthalene
Concen: 21.71 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0828MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		367309		
127	12.7		10.2	15.2	
129	10.9		8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
8/29/2018 5:51:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.75 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004275.D
Acq: 28 Aug 2018 18:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		125092		
182	95.9		48.5	145.6	
145	29.6		14.9	44.9	

