

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091719\
 Data File : VX012428.D
 Acq On : 17 Sep 2019 11:59
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:22:02 AM

Quant Time: Sep 17 13:47:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	186292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	316395	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	278672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	126969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	909	0.586 ug/l	97
3) Chloromethane	1.32	50	1140	0.848 ug/l	89
4) Vinyl Chloride	1.40	62	1103	0.744 ug/l	96
6) Chloroethane	1.72	64	1032	1.048 ug/l	91
7) Trichlorofluoromethane	1.92	101	1913	0.706 ug/l	94
8) Diethyl Ether	2.17	74	1068	0.893 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1565	0.802 ug/l	97
12) 1,1-Dichloroethene	2.36	96	1143	0.745 ug/l	98
14) Allyl chloride	2.71	41	2369	0.665 ug/l #	80
15) Acrylonitrile	3.14	53	5619	3.705 ug/l	96
16) Acetone	2.43	43	8551	5.170 ug/l	99
17) Carbon Disulfide	2.56	76	1147	0.566 ug/l #	84
18) Methyl Acetate	2.76	43	2975	0.818 ug/l	100
19) Methyl tert-butyl Ether	3.18	73	6682	0.802 ug/l	93
20) Methylene Chloride	2.84	84	1849	0.832 ug/l #	86
21) trans-1,2-Dichloroethene	3.15	96	1248	0.757 ug/l	94
22) Diisopropyl ether	3.84	45	6724	0.822 ug/l #	76
23) Vinyl Acetate	3.80	43	23874	3.539 ug/l	99
24) 1,1-Dichloroethane	3.69	63	2919	0.713 ug/l	96
25) 2-Butanone	4.67	43	9913	4.246 ug/l	92
26) 2,2-Dichloropropane	4.56	77	3304	0.845 ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	1924	0.793 ug/l	89
28) Bromochloromethane	5.00	49	1825	0.873 ug/l #	90
29) Tetrahydrofuran	5.12	42	4476	3.315 ug/l #	86
30) Chloroform	5.20	83	3930	0.832 ug/l	88
32) 1,1,1-Trichloroethane	5.48	97	2865	0.733 ug/l #	42
36) 1,1-Dichloropropene	5.79	75	2081	0.754 ug/l #	92
37) Ethyl Acetate	4.82	43	2303	0.542 ug/l #	93
38) Carbon Tetrachloride	5.77	117	2556	0.765 ug/l	99
39) Methylcyclohexane	7.45	83	1675	0.635 ug/l #	94
40) Benzene	6.14	78	6107	0.723 ug/l	94
41) Methacrylonitrile	5.04	41	2068	0.854 ug/l #	25
42) 1,2-Dichloroethane	6.18	62	3128	0.810 ug/l	94
43) Isopropyl Acetate	6.44	43	5203	0.712 ug/l	95

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	7.21	130	1585	0.698	ug/l	92
45) 1,2-Dichloropropane	7.50	63	2088	0.803	ug/l	97
46) Dibromomethane	7.66	93	1242	0.719	ug/l	90
47) Bromodichloromethane	7.89	83	2558	0.665	ug/l	85
48) Methyl methacrylate	7.76	41	2475	0.763	ug/l #	82
49) 1,4-Dioxane	7.74	88	1292	15.609	ug/l #	87
51) 4-Methyl-2-Pentanone	8.64	43	15948	3.374	ug/l	100
52) Toluene	8.78	92	3879	0.706	ug/l	93
53) t-1,3-Dichloropropene	9.04	75	2420	0.607	ug/l #	85
54) cis-1,3-Dichloropropene	8.43	75	2607	0.631	ug/l #	83
55) 1,1,2-Trichloroethane	9.21	97	2119	0.729	ug/l	91
56) Ethyl methacrylate	9.18	69	2883	0.660	ug/l #	78
57) 1,3-Dichloropropane	9.37	76	3156	0.686	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	7026	3.017	ug/l	100
59) 2-Hexanone	9.49	43	12786	3.499	ug/l	97
60) Dibromochloromethane	9.57	129	1759	0.592	ug/l	98
61) 1,2-Dibromoethane	9.67	107	1606	0.602	ug/l	92
64) Tetrachloroethene	9.33	164	1219	0.699	ug/l	93
65) Chlorobenzene	10.14	112	4827	0.787	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.21	131	1793	0.690	ug/l #	62
67) Ethyl Benzene	10.25	91	7725	0.736	ug/l	89
68) m/p-Xylenes	10.35	106	5328	1.377	ug/l	95
69) o-Xylene	10.70	106	2713	0.676	ug/l	96
70) Styrene	10.71	104	4585	0.659	ug/l	92
71) Bromoform	10.85	173	1067	0.535	ug/l #	99
73) Isopropylbenzene	11.01	105	7771	0.900	ug/l	98
74) N-amyl acetate	10.90	43	3826	0.832	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	3042	0.880	ug/l	93
76) 1,2,3-Trichloropropane	11.29	75	2719m	0.847	ug/l	
77) Bromobenzene	11.25	156	1910	0.866	ug/l	97
78) n-propylbenzene	11.35	91	8453	0.867	ug/l	96
79) 2-Chlorotoluene	11.42	91	6054	0.969	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	6470	0.863	ug/l	97
82) 4-Chlorotoluene	11.51	91	6494	0.893	ug/l	96
83) tert-Butylbenzene	11.77	119	7545	0.949	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	6610	0.870	ug/l	96
85) sec-Butylbenzene	11.94	105	7330	0.833	ug/l	97
86) p-Isopropyltoluene	12.06	119	6837	0.849	ug/l	90
87) 1,3-Dichlorobenzene	12.02	146	3586	0.865	ug/l	95
88) 1,4-Dichlorobenzene	12.09	146	3831m	0.916	ug/l	
89) n-Butylbenzene	12.38	91	6148	0.865	ug/l	96
90) Hexachloroethane	12.59	117	1161	0.747	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	3846	0.905	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	736	0.804	ug/l	86
93) 1,2,4-Trichlorobenzene	13.64	180	2170	0.766	ug/l	94
94) Hexachlorobutadiene	13.77	225	1171	0.864	ug/l	90
95) Naphthalene	13.83	128	7035	0.727	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	2248	0.797	ug/l	97

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MSVOA_X
ClientSampleId :
VSTDICC001

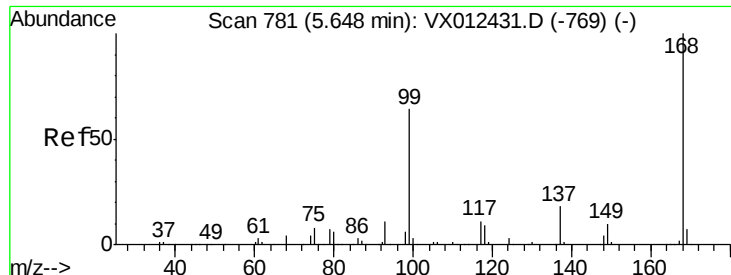
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 186292

Ion Ratio Lower Upper

168 100

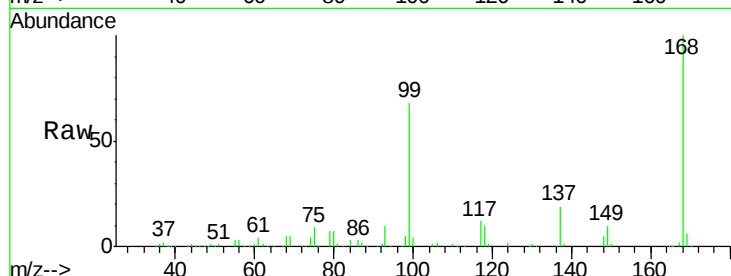
99 67.6 51.4 77.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

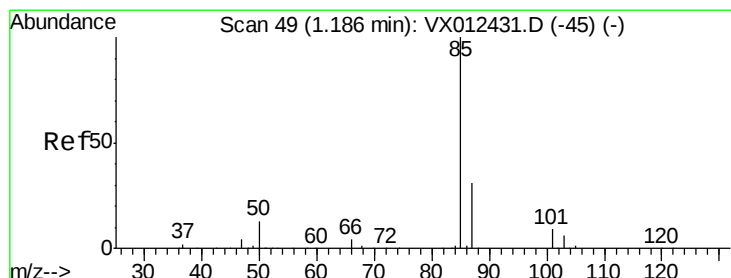
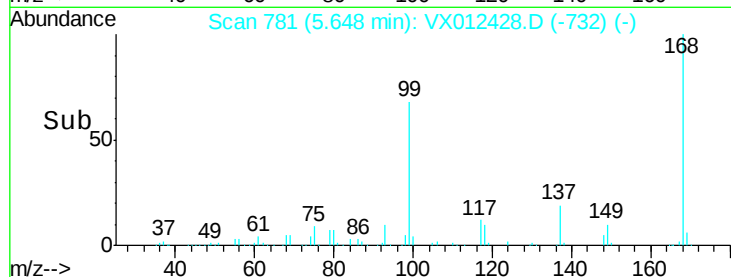
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.586 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012428.D

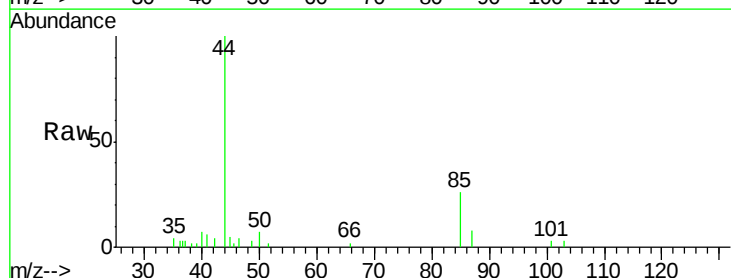
Acq: 17 Sep 2019 11:59

Tgt Ion: 85 Resp: 909

Ion Ratio Lower Upper

85 100

87 32.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

800

600

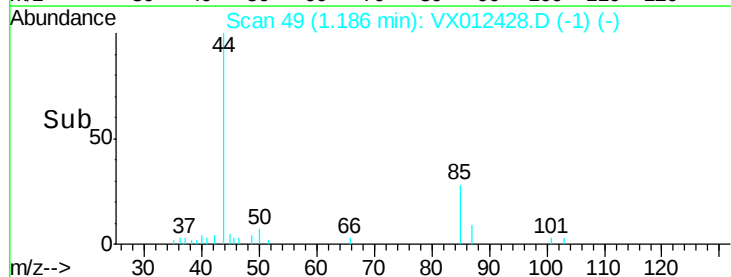
400

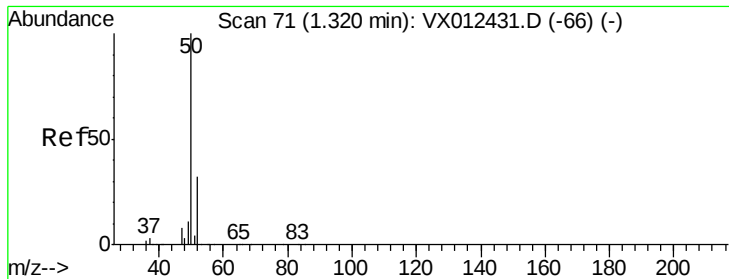
200

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 0.848 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 1140

Ion Ratio Lower Upper

50 100

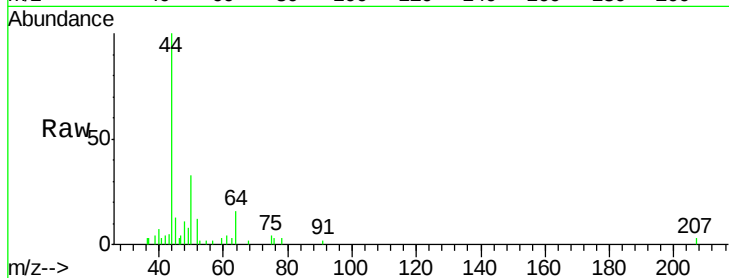
52 38.1 25.7 38.5

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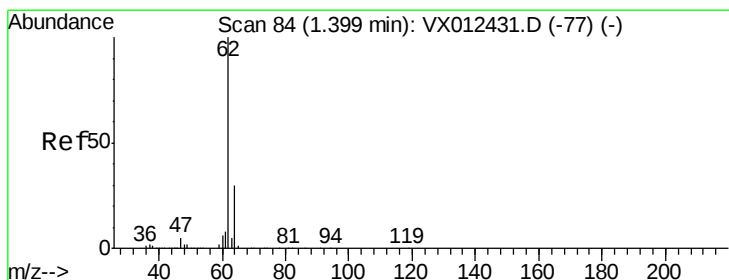
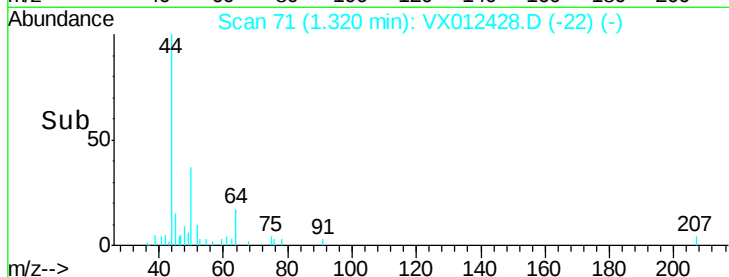
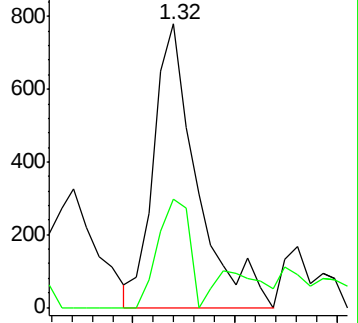
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.744 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012428.D

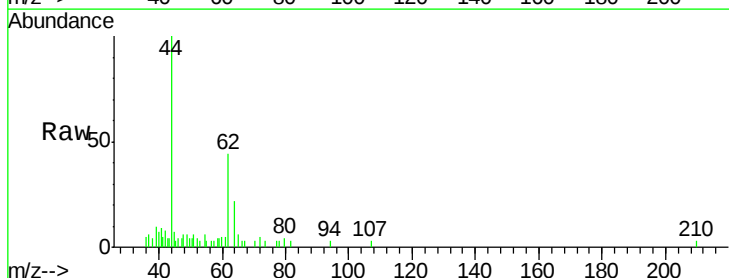
Acq: 17 Sep 2019 11:59

Tgt Ion: 62 Resp: 1103

Ion Ratio Lower Upper

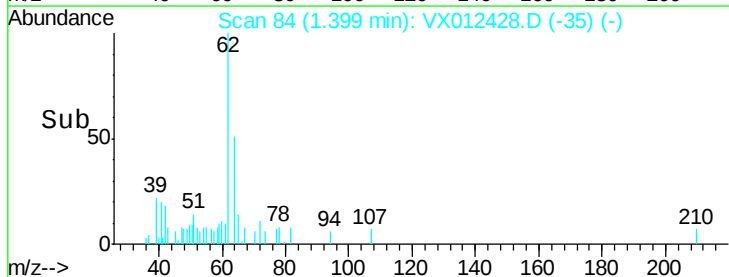
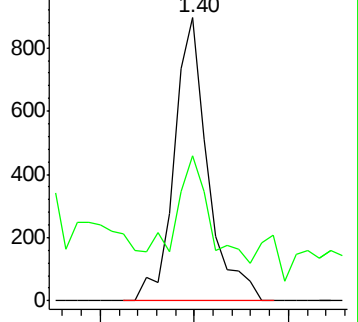
62 100

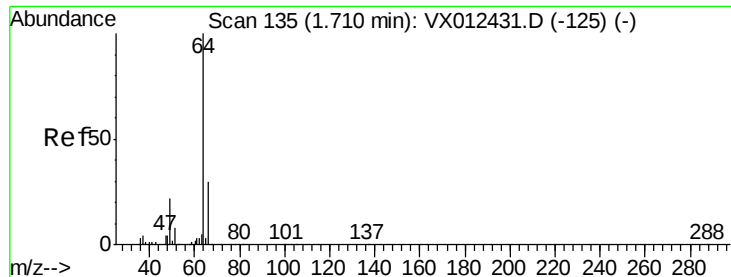
64 28.2 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: 1.048 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 1032

Ion Ratio Lower Upper

64 100

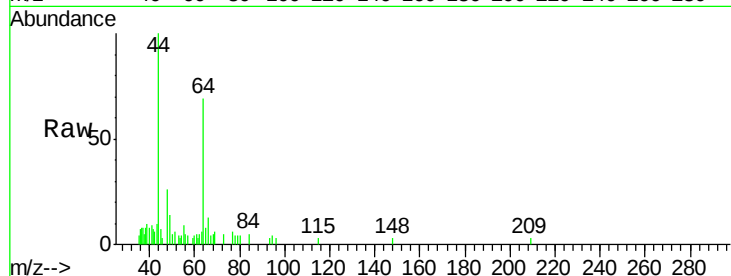
66 34.7 24.0 36.0

Manual Integrations

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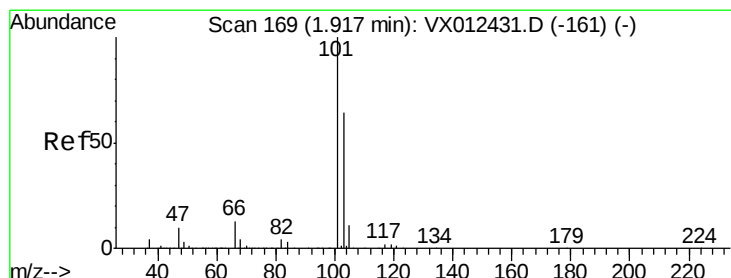
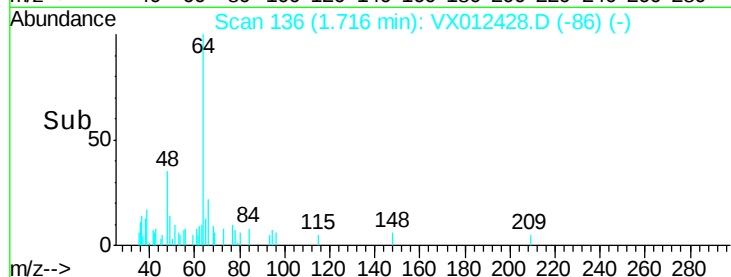
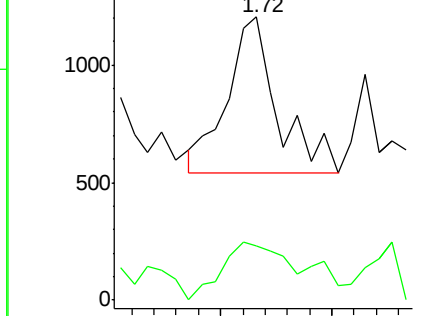
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Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#7

Trichlorofluoromethane

Concen: 0.706 ug/l

RT: 1.92 min Scan# 169

Delta R.T. 0.00 min

Lab File: VX012428.D

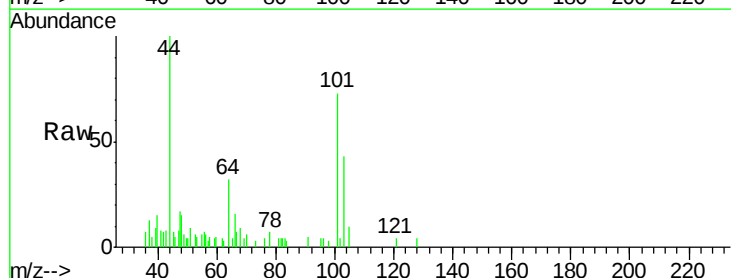
Acq: 17 Sep 2019 11:59

Tgt Ion: 101 Resp: 1913

Ion Ratio Lower Upper

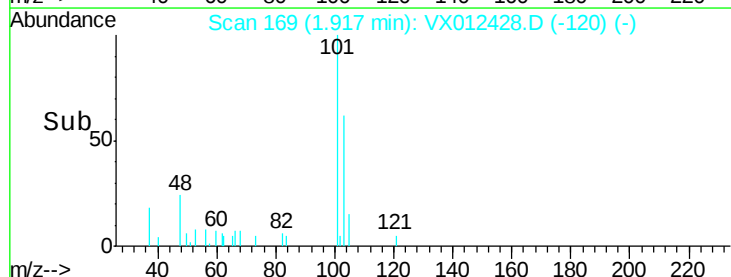
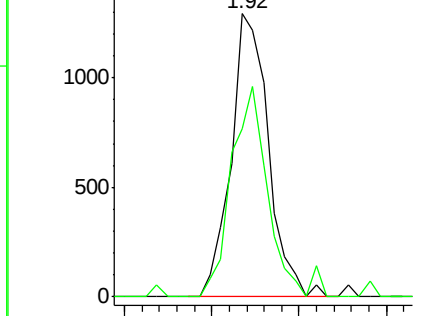
101 100

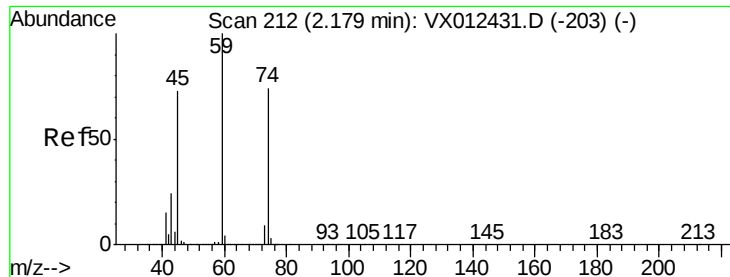
103 59.2 51.0 76.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#8

Diethyl Ether

Concen: 0.893 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 1068

Ion Ratio Lower Upper

74 100

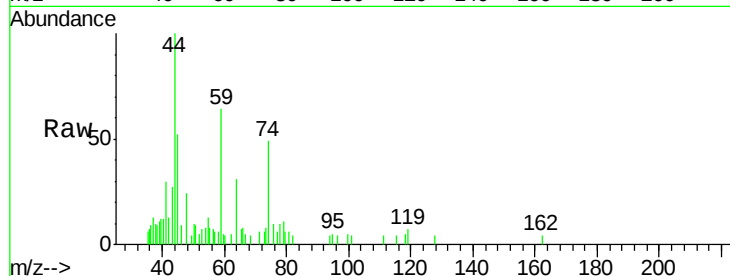
45 110.9 49.9 149.7

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Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

600

400

200

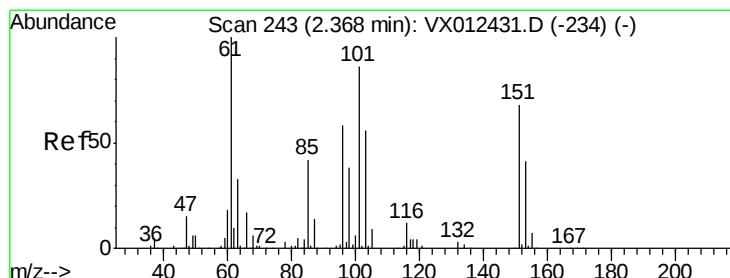
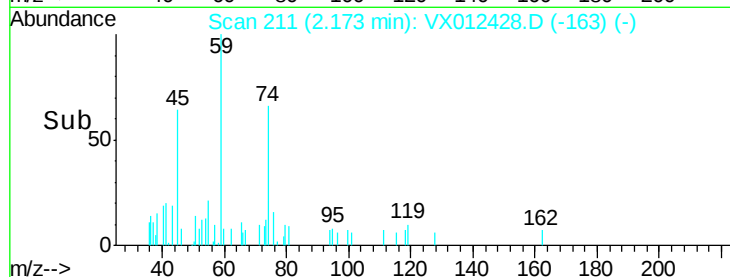
0

2.15

2.20

2.25

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.802 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

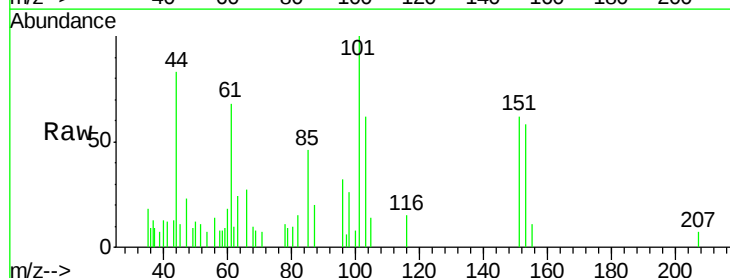
Tgt Ion: 101 Resp: 1565

Ion Ratio Lower Upper

101 100

85 48.4 37.3 55.9

151 74.1 61.0 91.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

1000

800

600

400

200

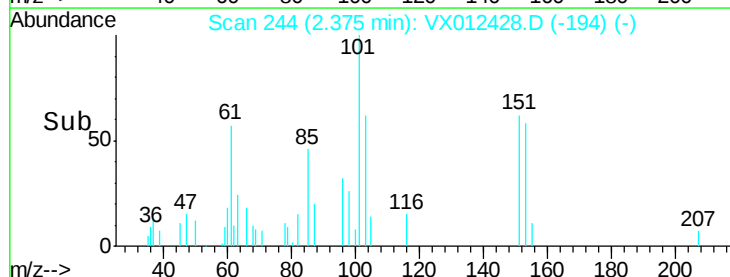
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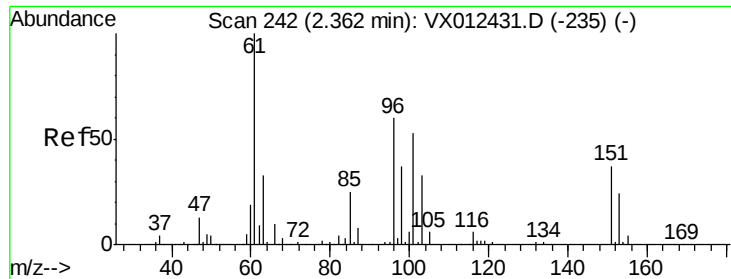
2.30

2.35

2.40

Time-->





#12

1,1-Dichloroethene

Concen: 0.745 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

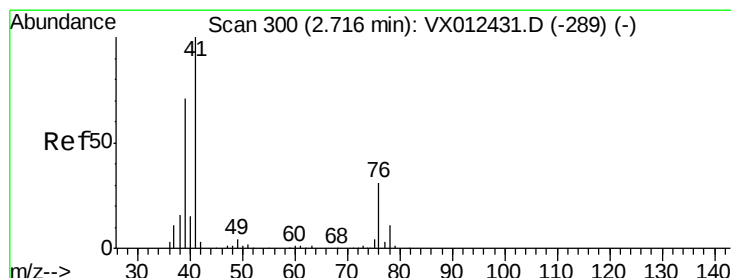
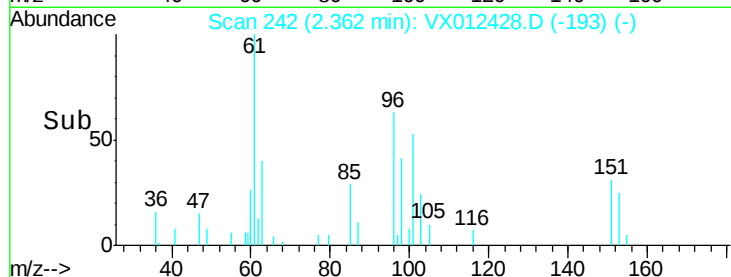
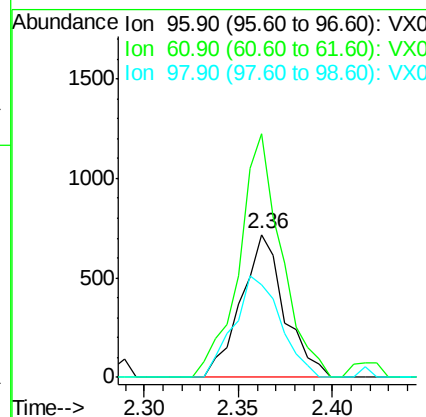
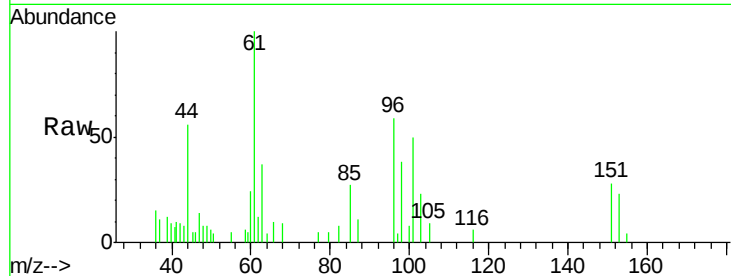
ClientSampled :

VSTDIC001

Tot Ion:	96	Resp:	1143
Ion	Ratio	Lower	Upper
96	100		
61	170.5	133.8	200.6
98	64.5	49.9	74.9

Manual Integrations
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#14

Allyl chloride

Concen: 0.665 ug/l

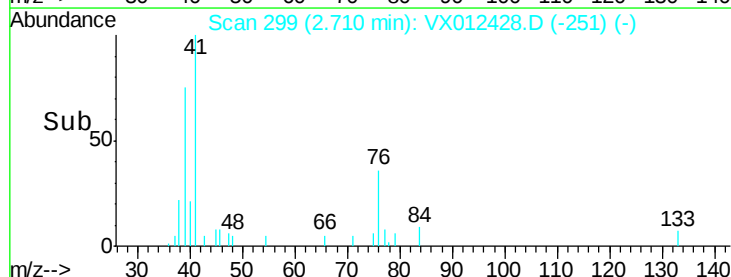
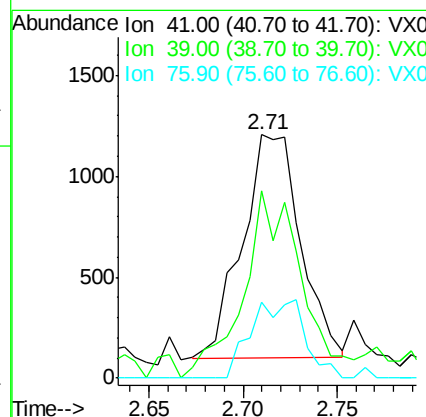
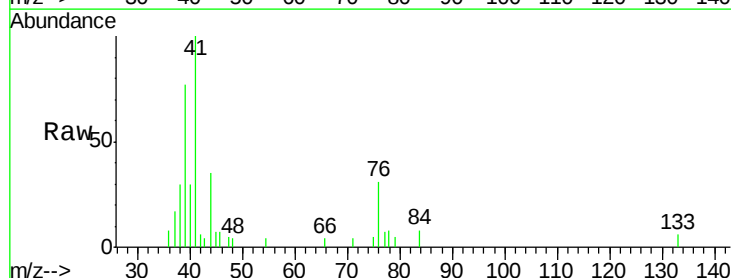
RT: 2.71 min Scan# 299

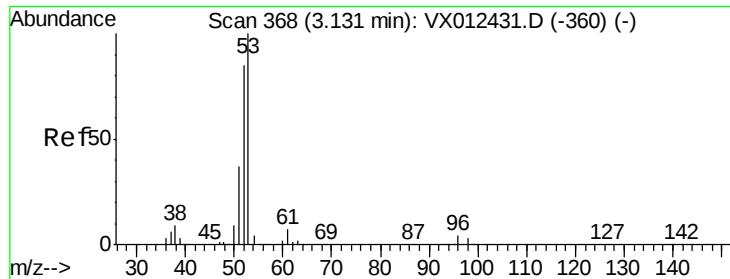
Delta R.T. -0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Tgt Ion:	41	Resp:	2369
Ion	Ratio	Lower	Upper
41	100		
39	83.7	51.3	76.9#
76	32.5	22.6	33.8





#15

Acrylonitrile

Concen: 3.705 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

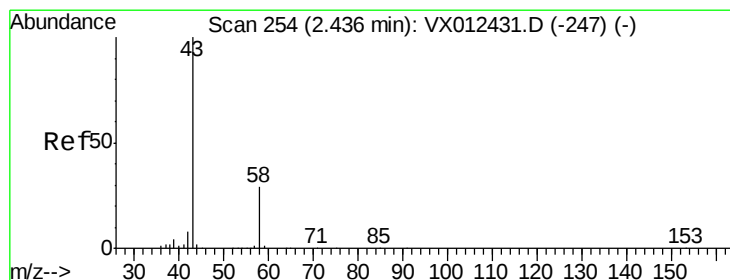
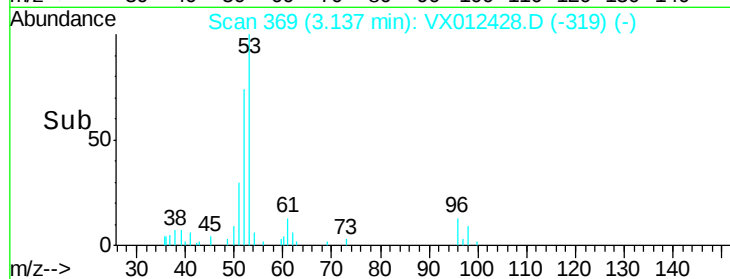
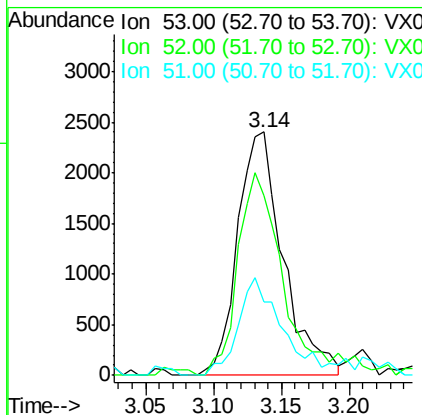
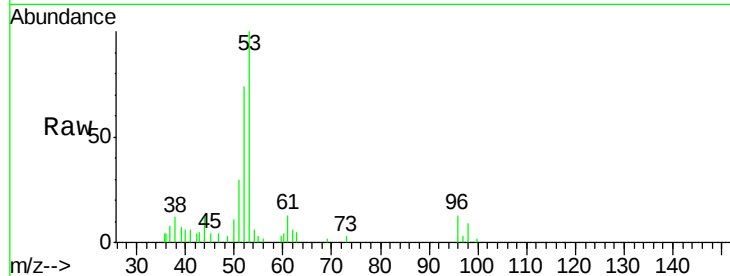
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	5619
Ion	Ratio	Lower	Upper
53	100		
52	79.5	67.0	100.4
51	39.4	29.6	44.4

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#16

Acetone

Concen: 5.170 ug/l

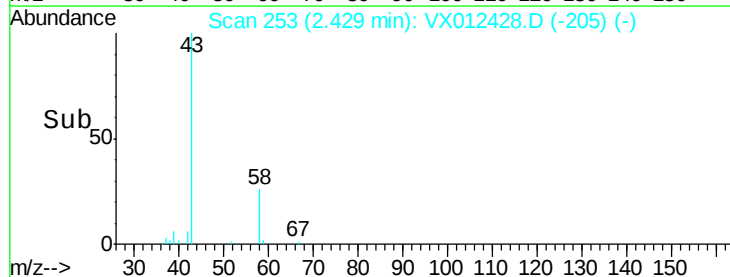
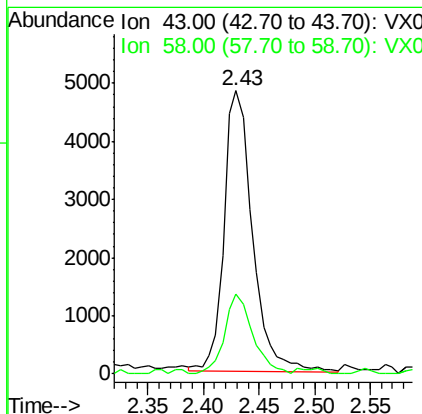
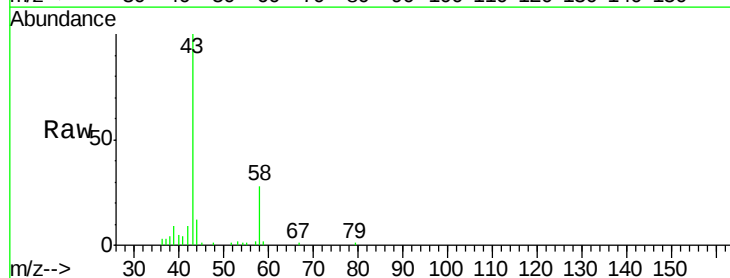
RT: 2.43 min Scan# 253

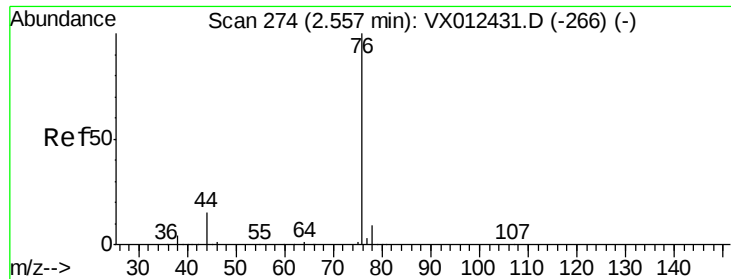
Delta R.T. -0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Tgt Ion:	43	Resp:	8551
Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.3	34.9





#17

Carbon Disulfide

Concen: 0.566 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 1147

Ion Ratio Lower Upper

76 100

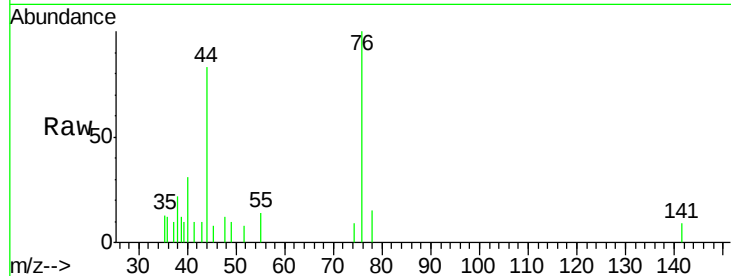
78 14.8 7.3 10.9#

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

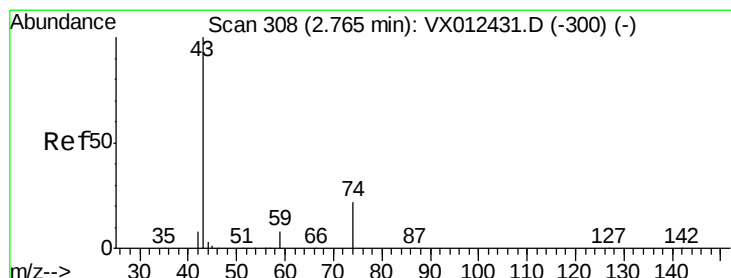
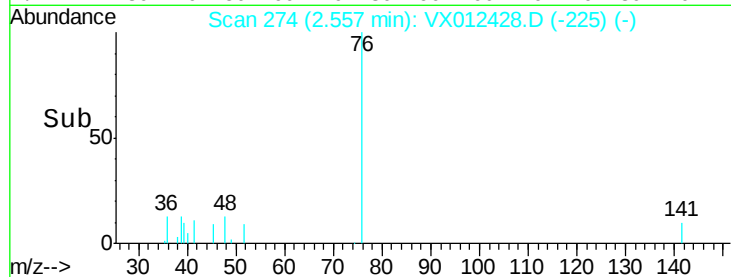
600

400

200

0

Time--> 2.50 2.55 2.60



#18

Methyl Acetate

Concen: 0.818 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012428.D

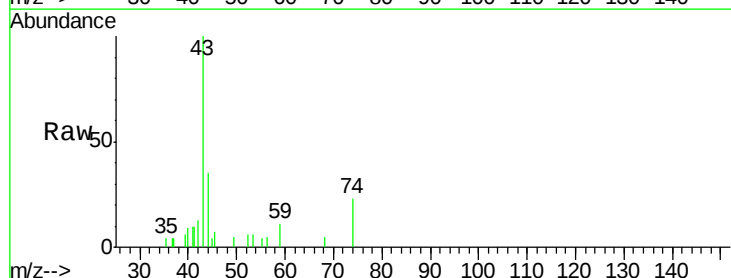
Acq: 17 Sep 2019 11:59

Tgt Ion: 43 Resp: 2975

Ion Ratio Lower Upper

43 100

74 22.0 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

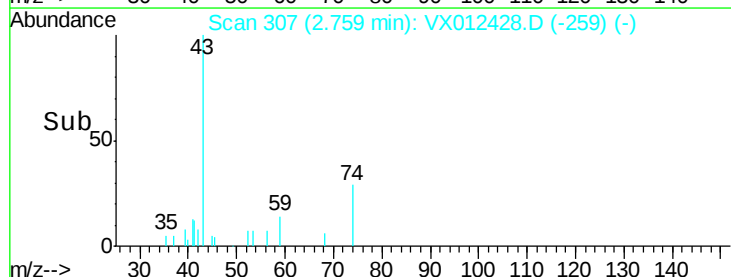
1500

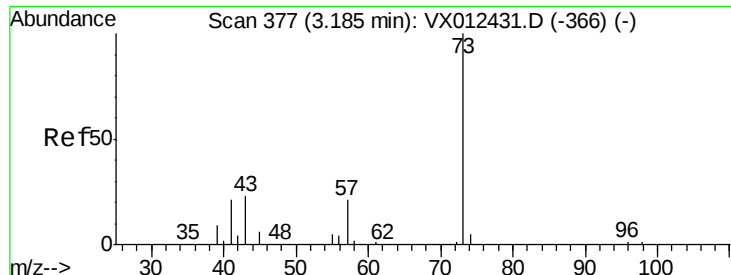
1000

500

0

Time--> 2.70 2.75 2.80





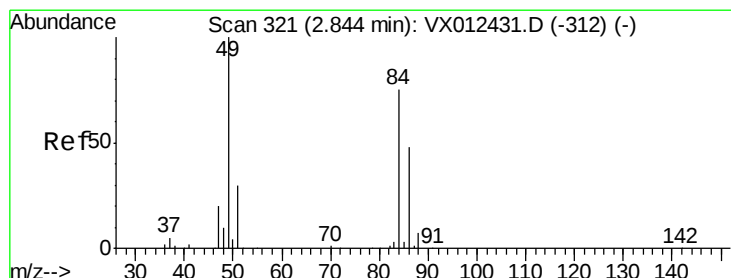
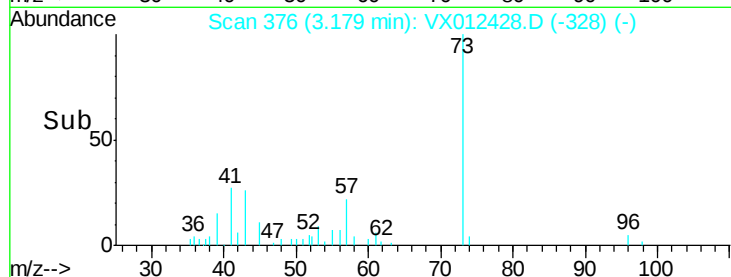
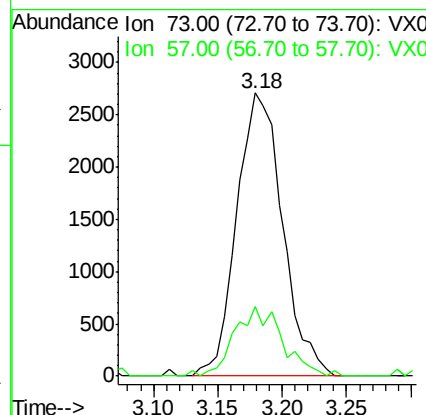
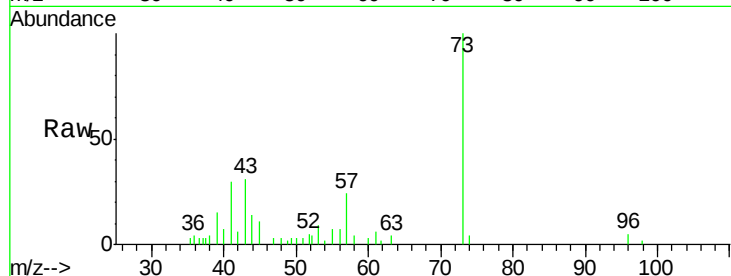
#19
Methvl tert-butvl Ether
Concen: 0.802 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 6682
Ion Ratio Lower Upper
73 100
57 24.5 16.8 25.2

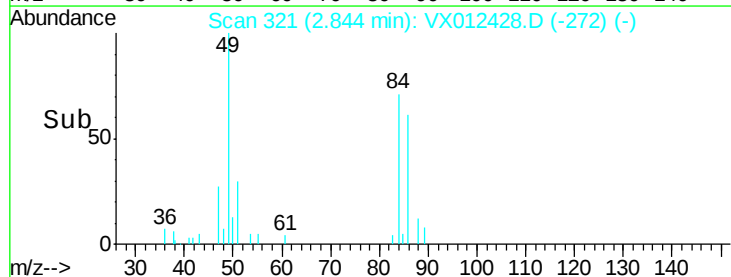
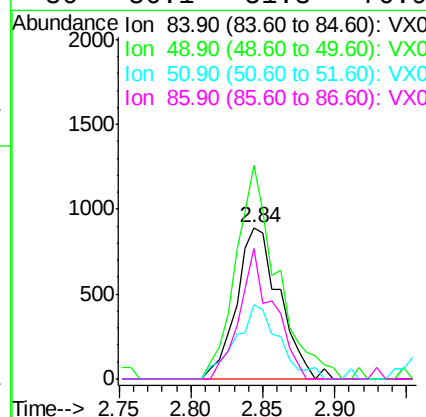
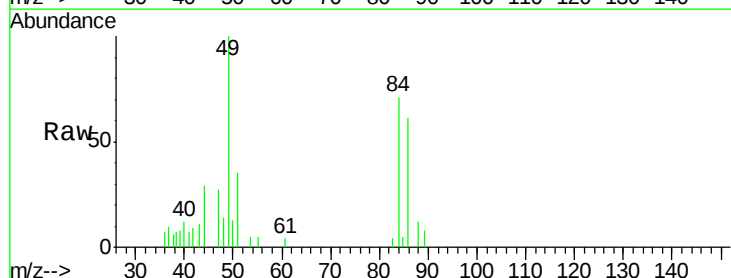
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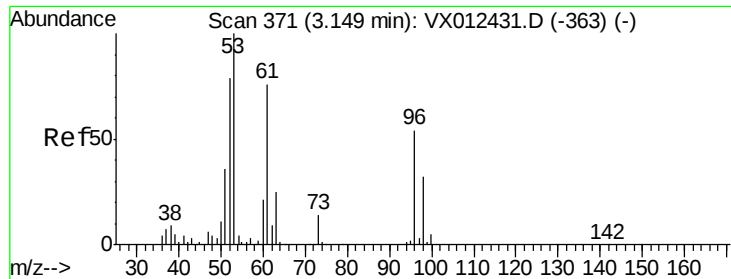
MMDadoda
9/18/2019 11:22:02 AM



#20
Methylene Chloride
Concen: 0.832 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion: 84 Resp: 1849
Ion Ratio Lower Upper
84 100
49 141.3 106.8 160.2
51 49.1 32.3 48.5#
86 86.1 51.3 76.9#





#21

trans-1,2-Dichloroethene

Concen: 0.757 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

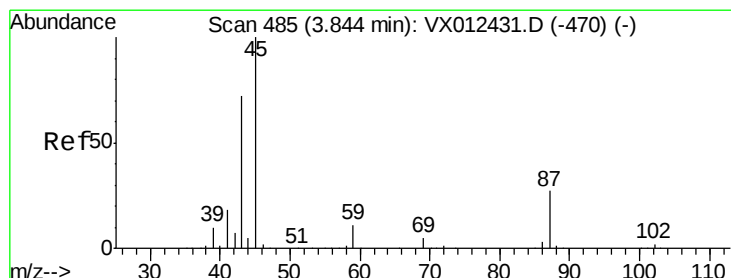
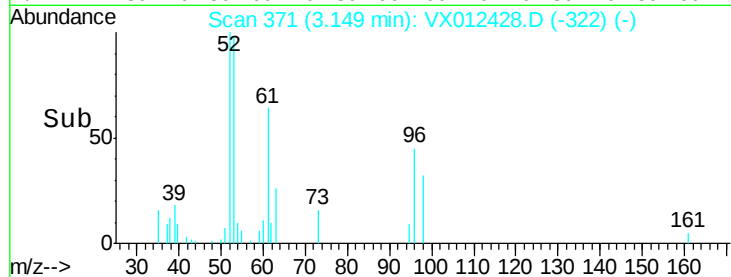
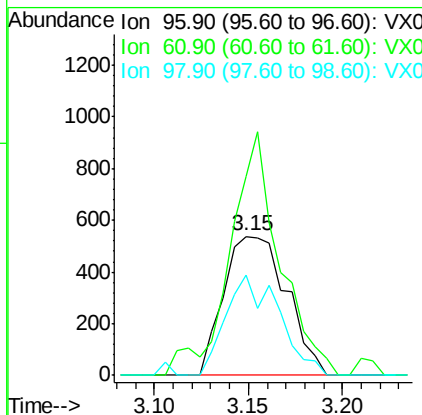
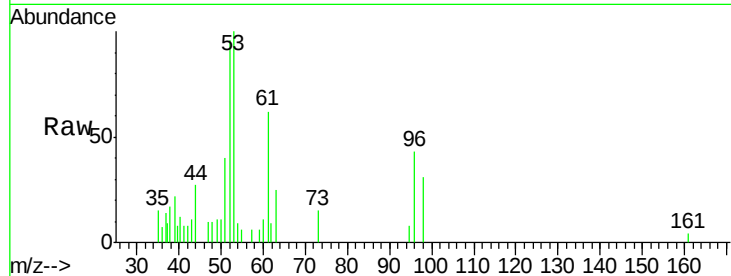
ClientSampled :

VSTDIC001

Tot Ion:	96	Resp:	1248
Ion	Ratio	Lower	Upper
96	100		
61	142.5	112.0	168.0
98	71.6	47.8	71.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 0.822 ug/l

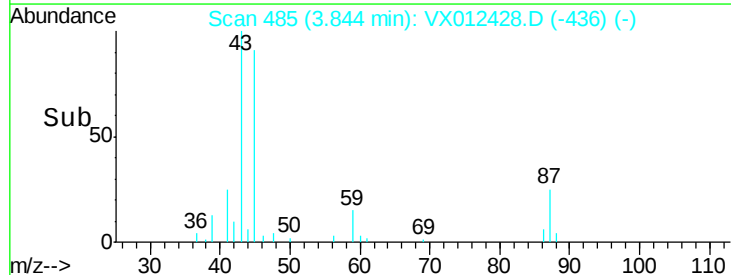
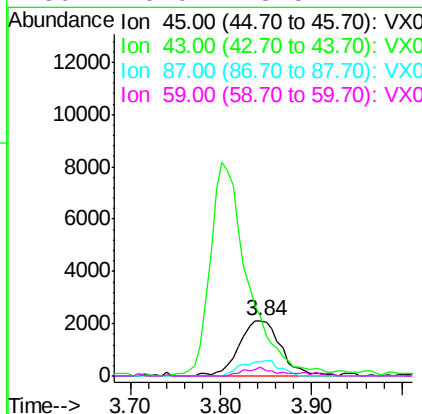
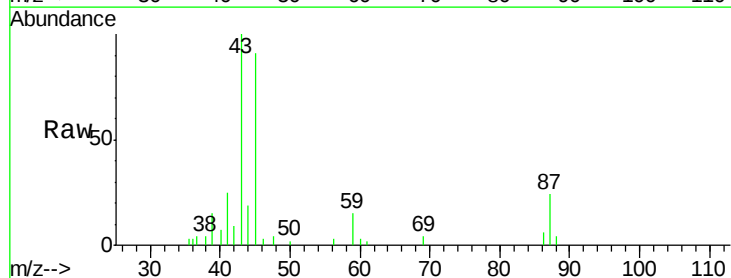
RT: 3.84 min Scan# 485

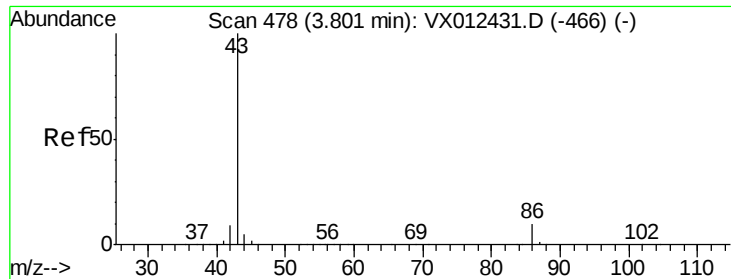
Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Tgt Ion:	45	Resp:	6724
Ion	Ratio	Lower	Upper
45	100		
43	100.5	57.8	86.8#
87	26.4	21.3	31.9
59	16.0	8.5	12.7#





#23

Vinyl Acetate

Concen: 3.539 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 23874

Ion Ratio Lower Upper

43 100

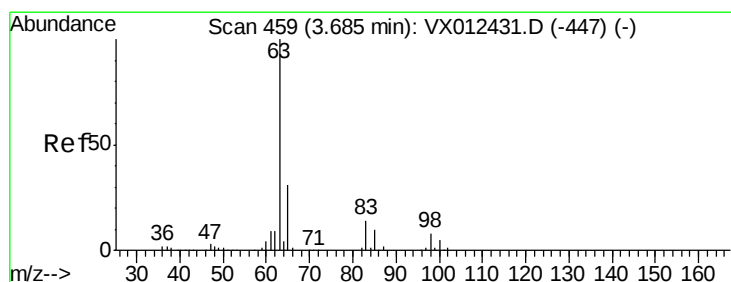
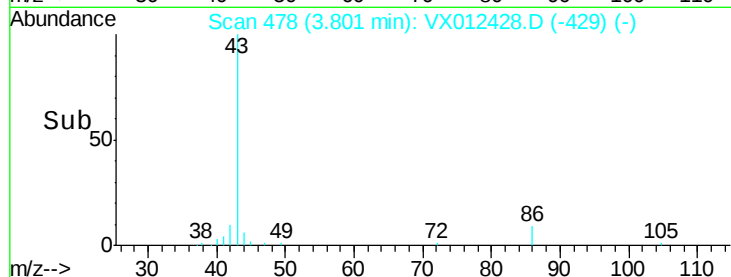
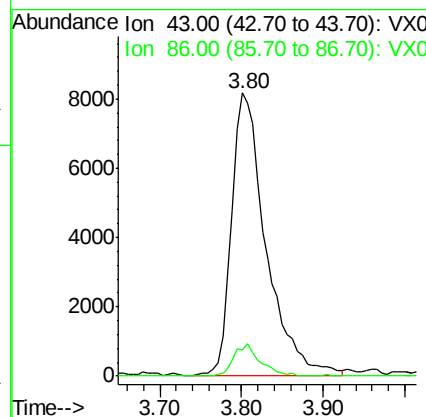
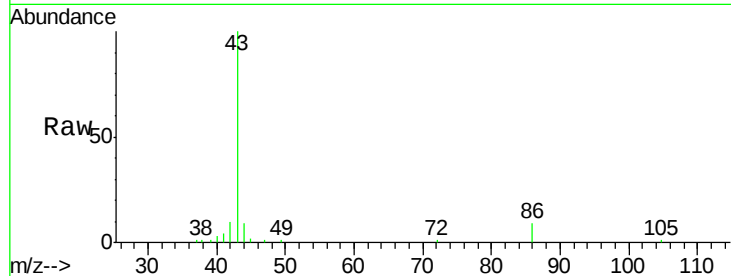
86 9.4 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 0.713 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

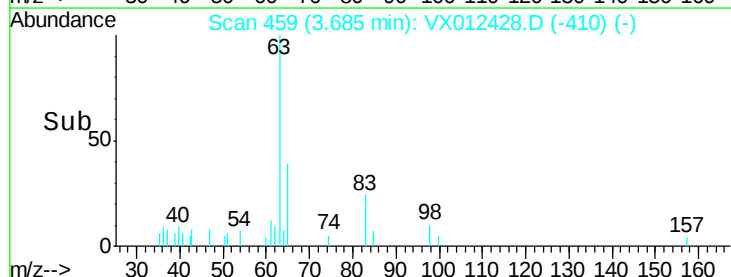
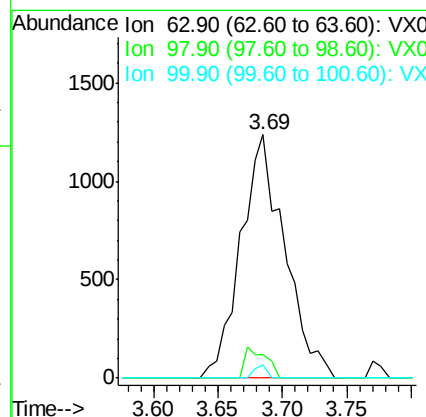
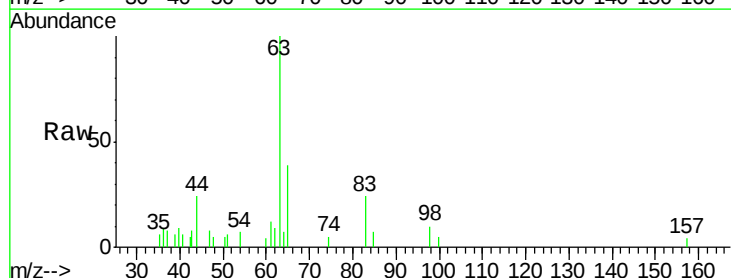
Tgt Ion: 63 Resp: 2919

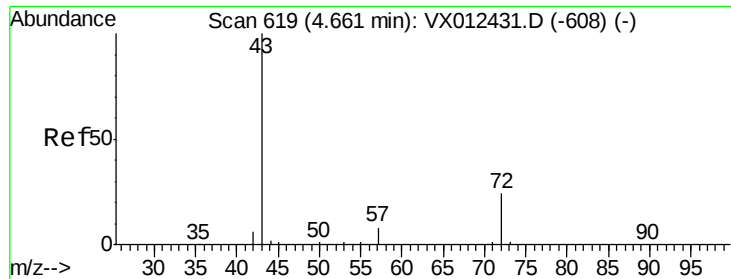
Ion Ratio Lower Upper

63 100

98 9.7 3.9 11.7

100 5.5 2.3 6.9





#25

2-Butanone

Concen: 4.246 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 9913

Ion Ratio Lower Upper

43 100

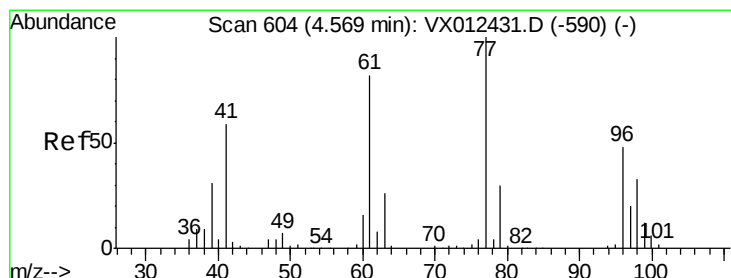
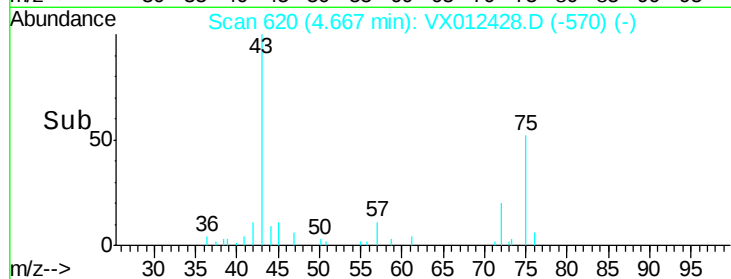
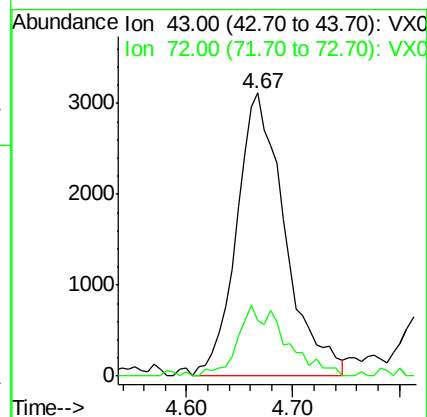
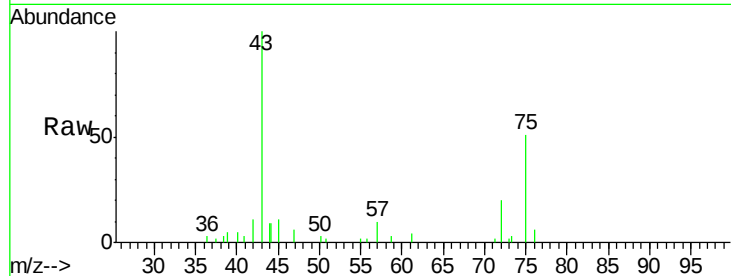
72 19.8 19.2 28.8

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#26

2,2-Dichloropropane

Concen: 0.845 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012428.D

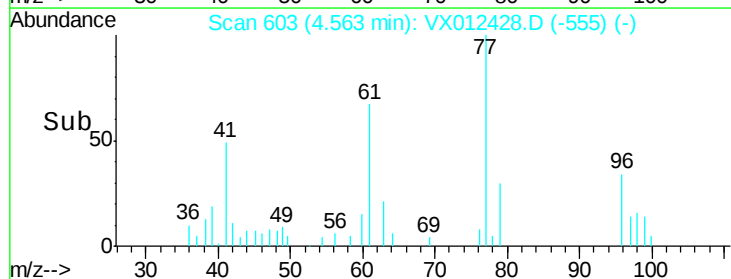
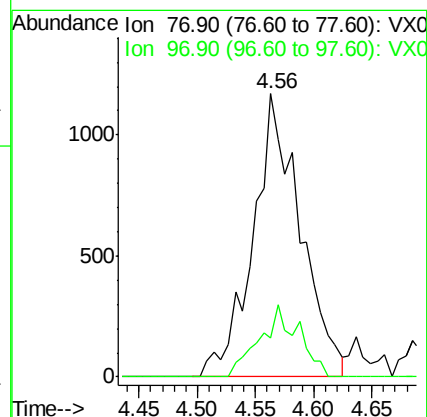
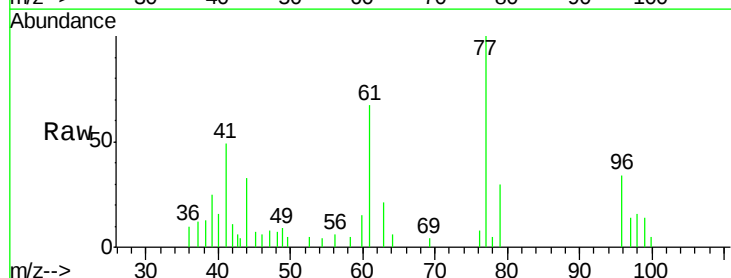
Acq: 17 Sep 2019 11:59

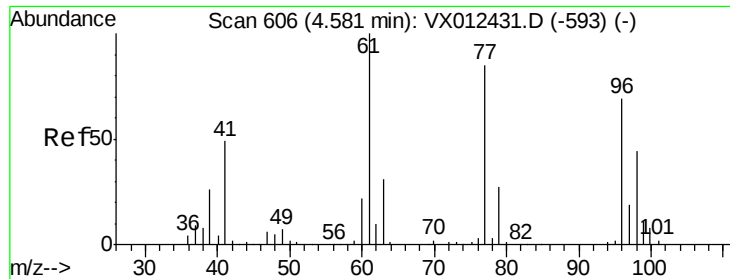
Tgt Ion: 77 Resp: 3304

Ion Ratio Lower Upper

77 100

97 20.9 10.5 31.6





#27

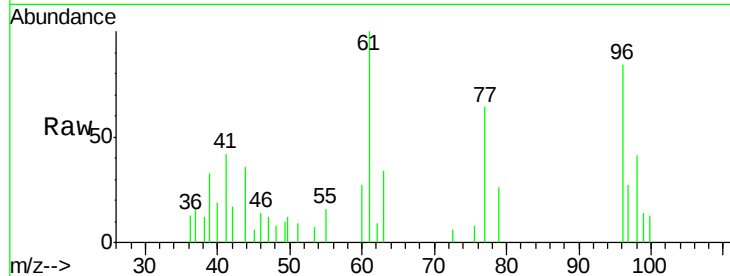
cis-1,2-Dichloroethene
Concen: 0.793 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	176.6	0.0	319.4
98	69.5	0.0	130.6

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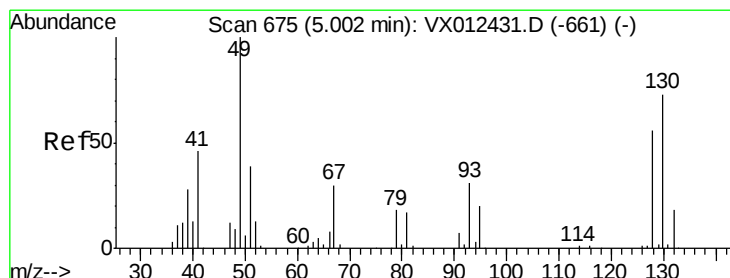
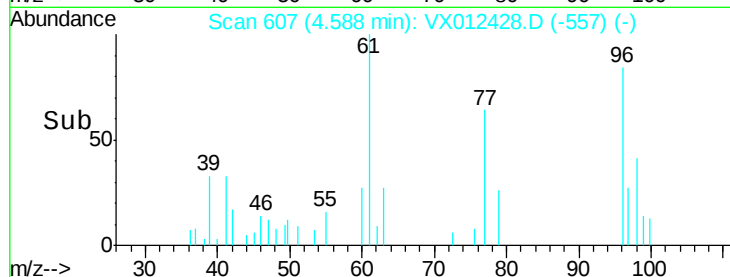
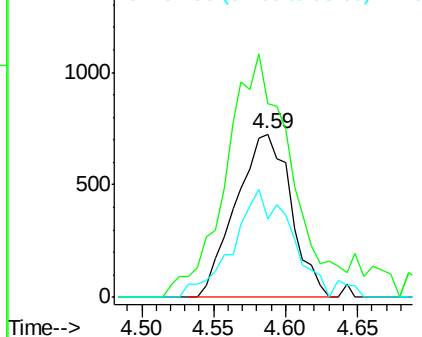


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

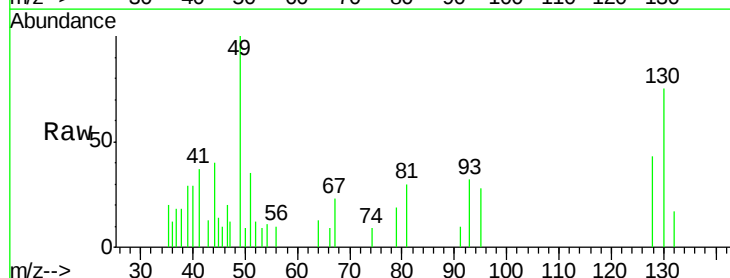
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 0.873 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	64.1	58.2	87.4

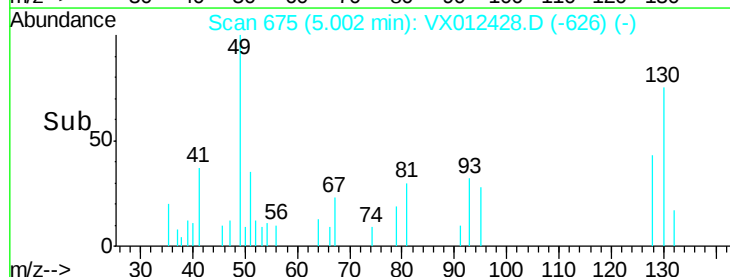
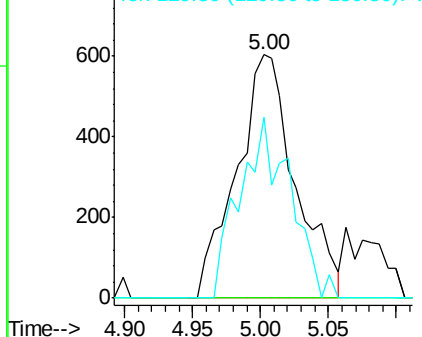


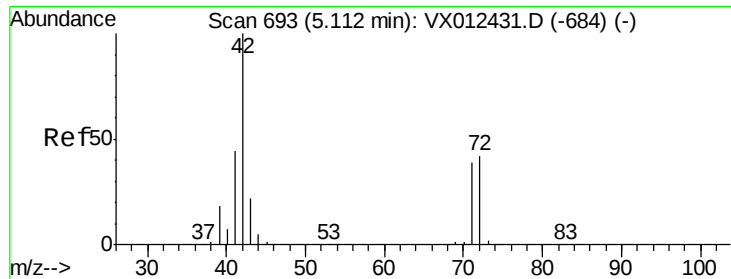
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





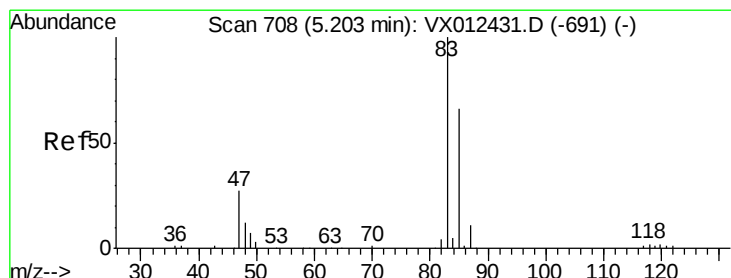
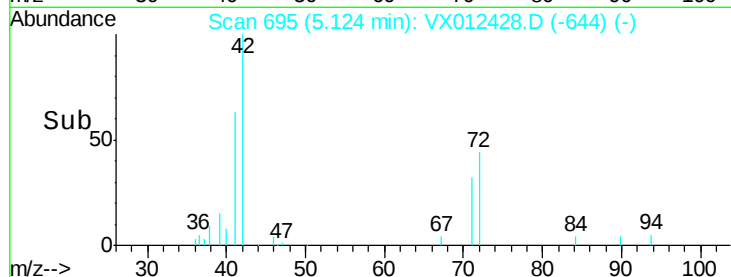
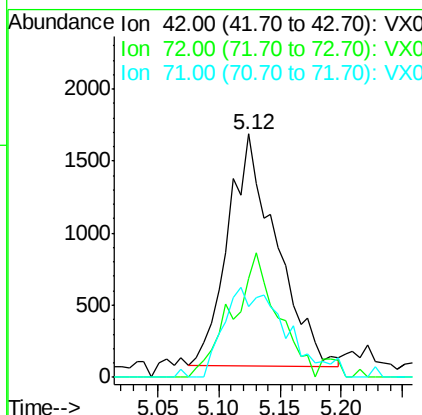
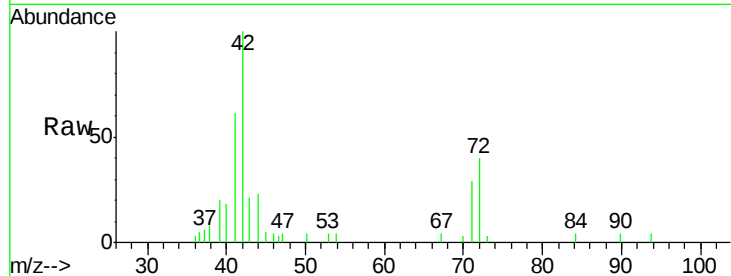
#29
Tetrahydrofuran
Concen: 3.315 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	34.0	51.0
71	48.9	31.5	47.3

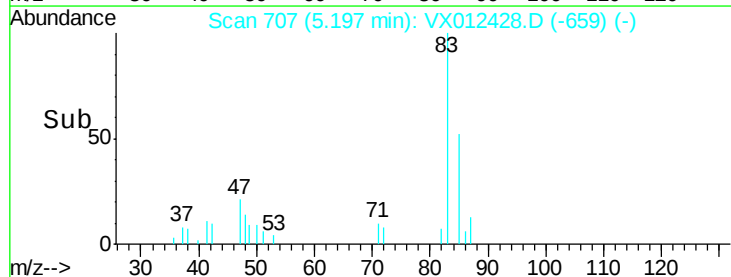
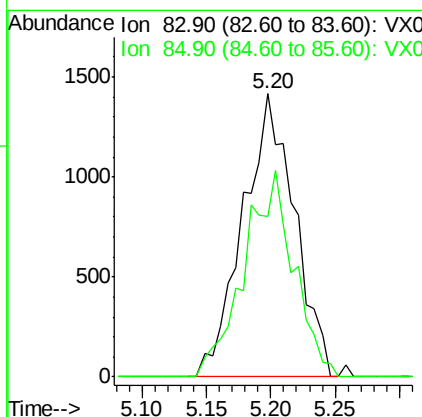
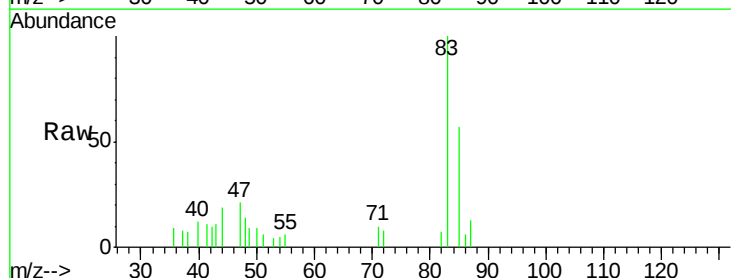
Manual Integrations
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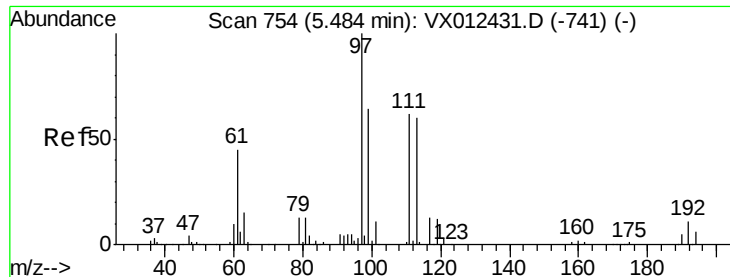
MMDadoda
9/18/2019 11:22:02 AM



#30
Chloroform
Concen: 0.832 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.7	53.0	79.4





#32

1,1,1-Trichloroethane

Concen: 0.733 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

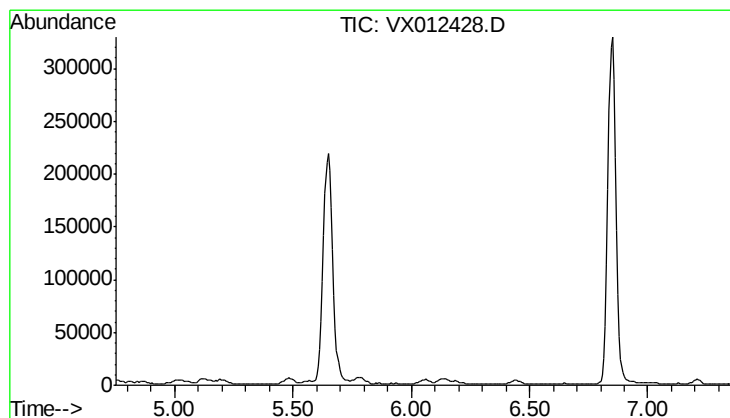
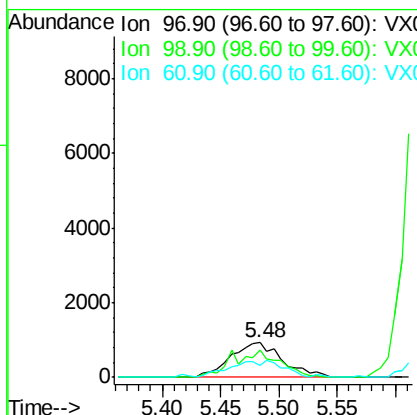
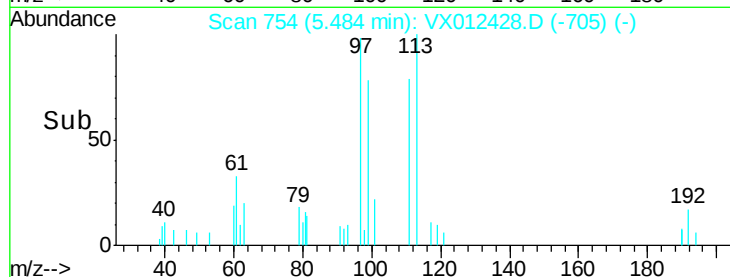
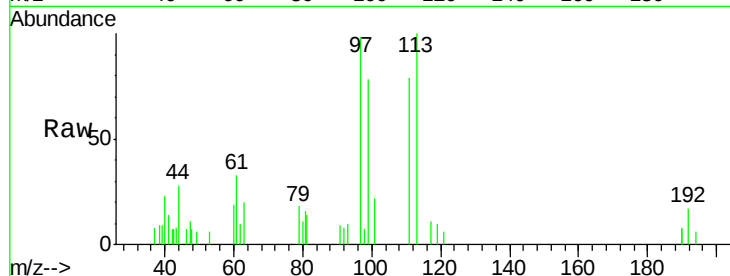
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		2865		
99	0.0	51.3	76.9#		
61	29.5	36.1	54.1#		

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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 6.05 min

Lab File: VX012428.D

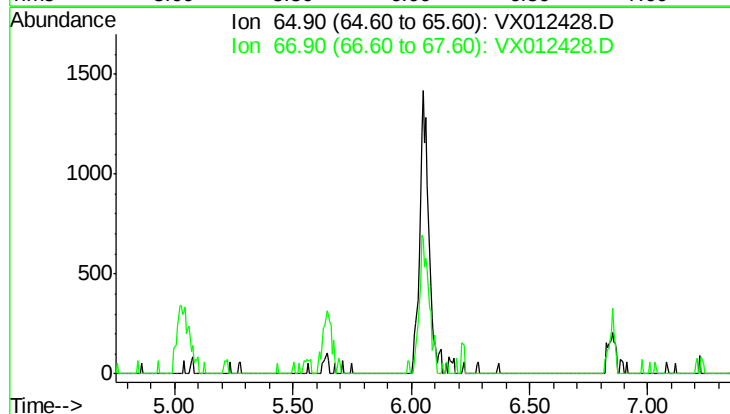
Acq: 17 Sep 2019 11:59

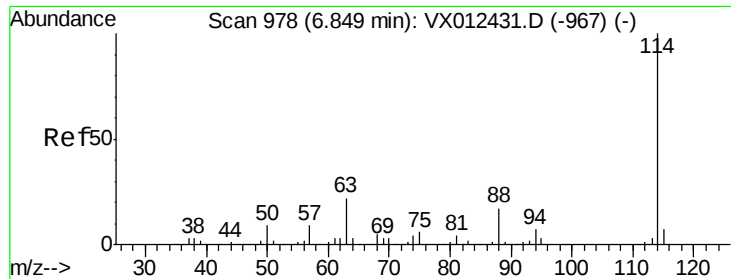
Tgt Ion: 65

Sig Exp Ratio

65 100

67 50.6





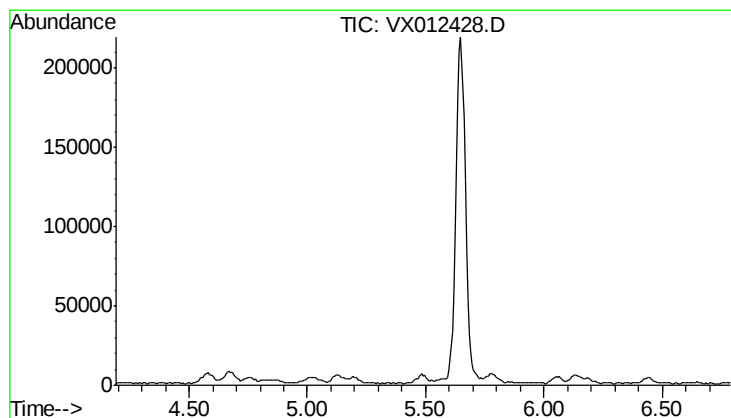
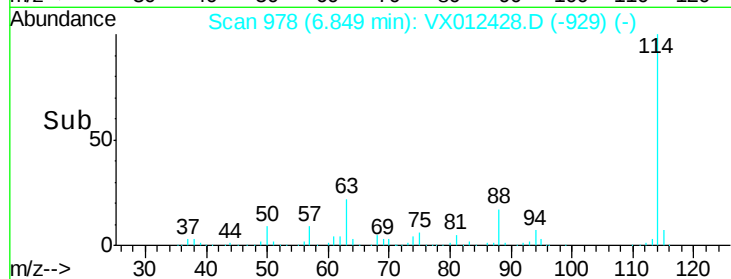
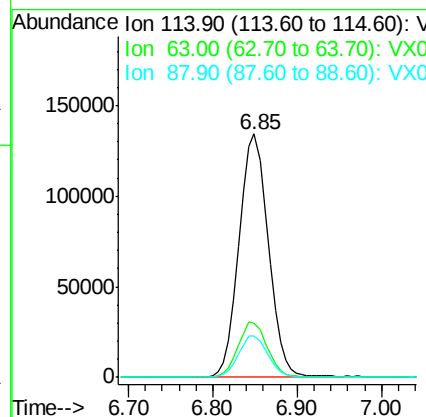
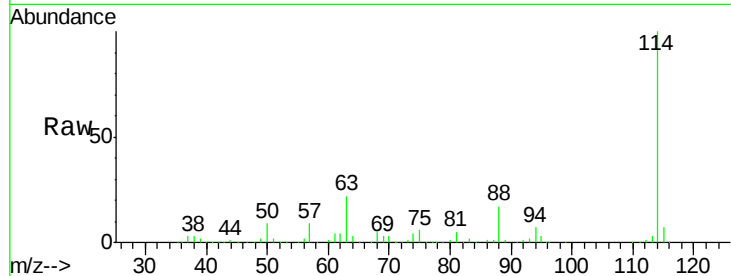
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	22.2	0.0	43.2
88	17.2	0.0	33.2

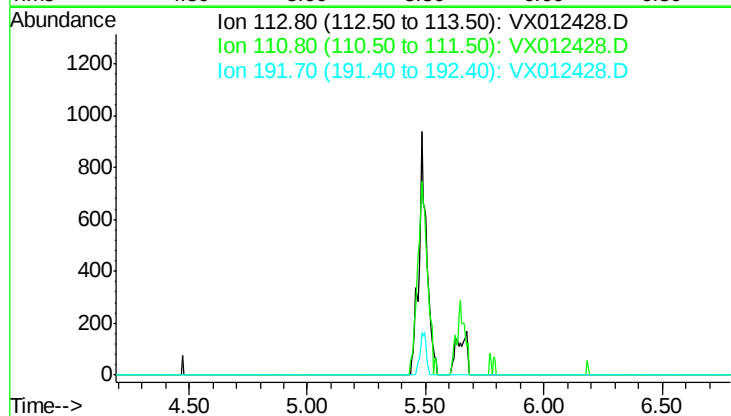
Manual Integrations
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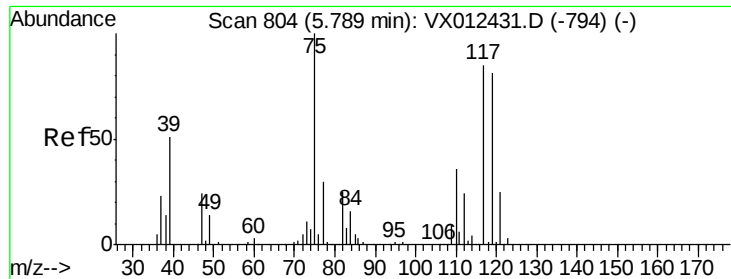
MMDadoda
 9/18/2019 11:22:02 AM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 5.49 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Exp Ratio
113	100
111	104.3
192	18.0





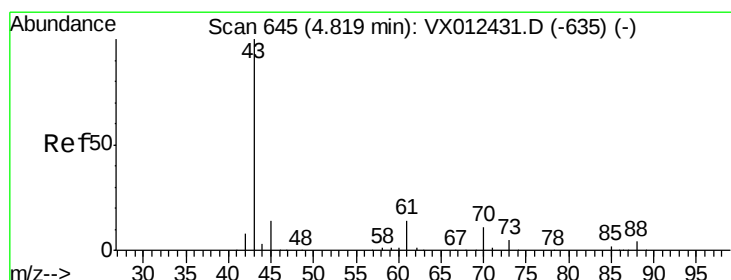
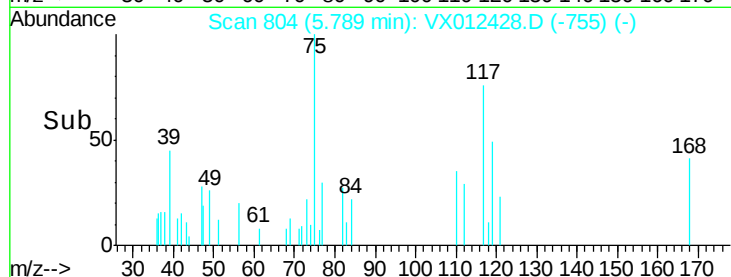
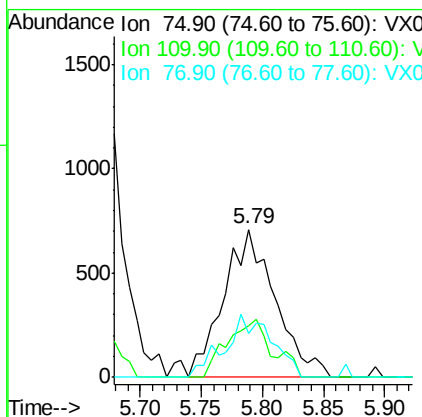
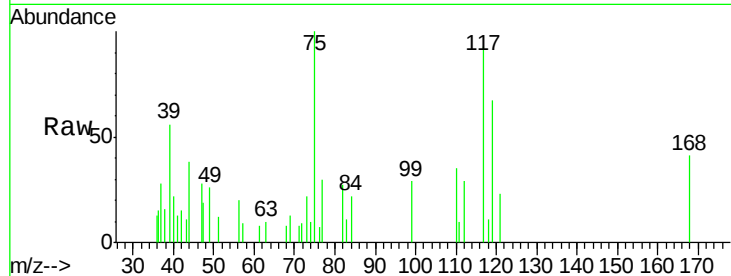
#36
 1,1-Dichloropropene
 Concen: 0.754 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.7	50.0
77	38.5	24.2	36.2#

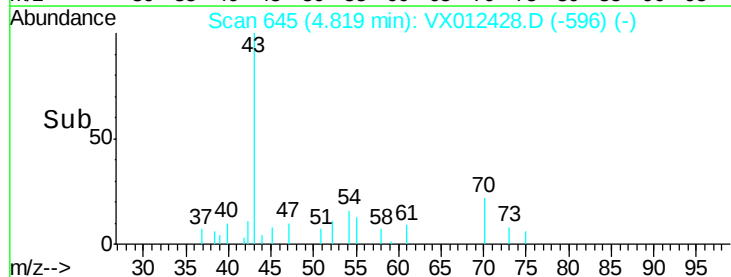
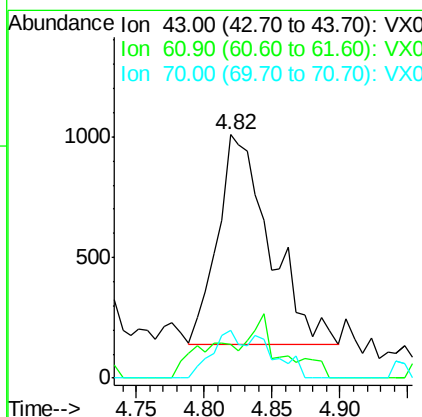
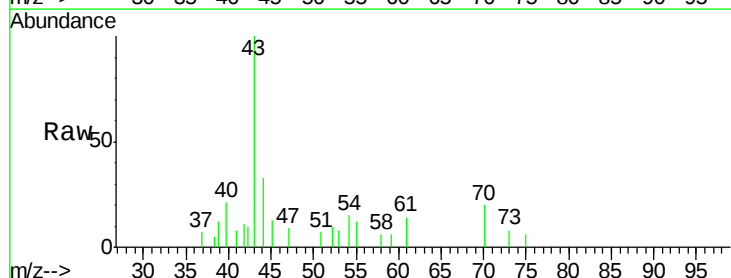
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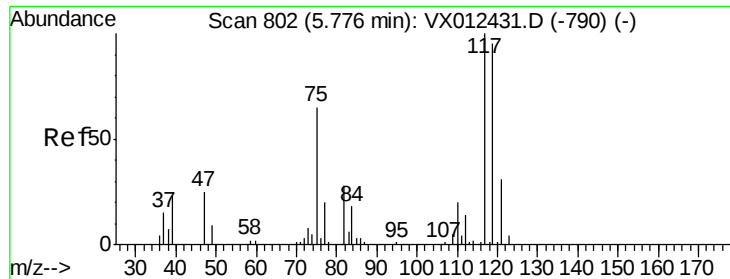
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#37
 Ethyl Acetate
 Concen: 0.542 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.2	15.4
70	14.2	8.7	13.1#





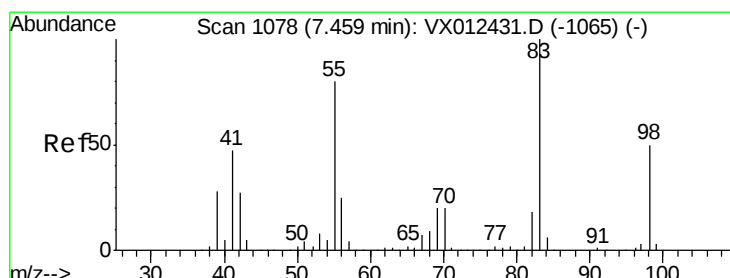
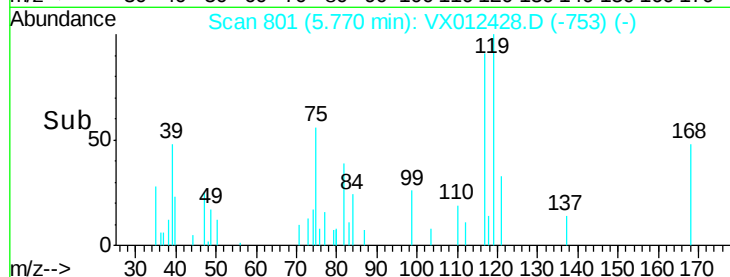
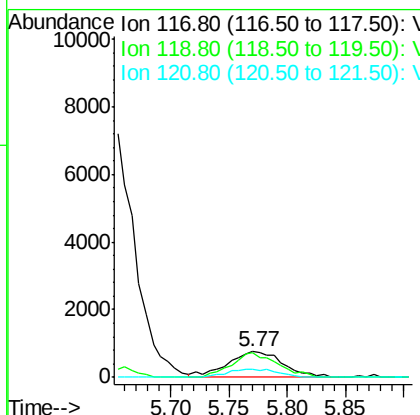
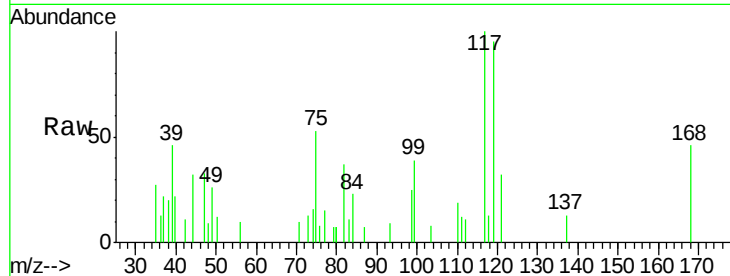
#38
Carbon Tetrachloride
Concen: 0.765 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.7	113.5
121	31.7	24.2	36.4

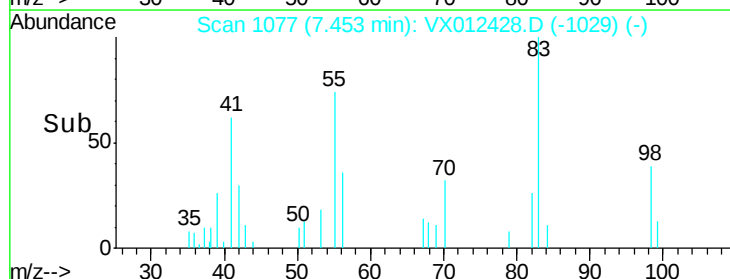
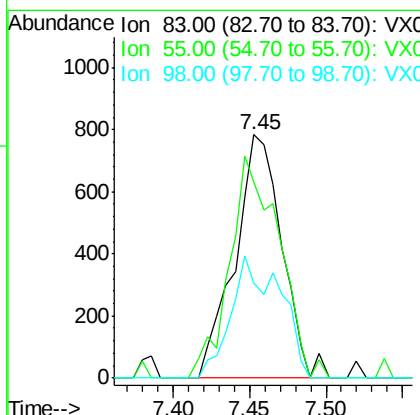
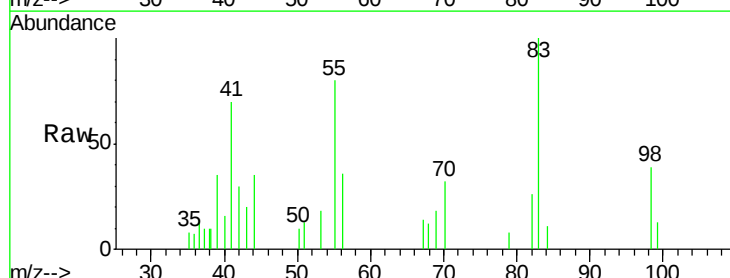
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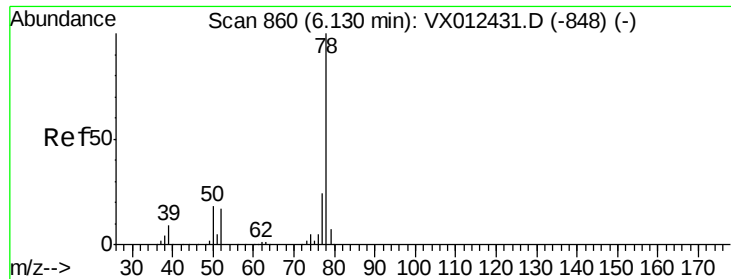
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#39
Methylcyclohexane
Concen: 0.635 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.5	64.4	96.6
98	39.3	40.1	60.1#





#40

Benzene

Concen: 0.723 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 6107

Ion Ratio Lower Upper

78 100

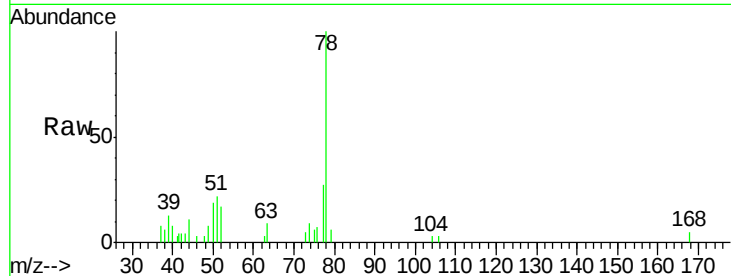
77 27.0 19.2 28.8

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

2500

2000

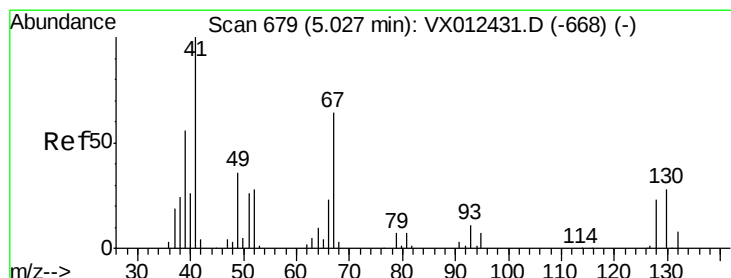
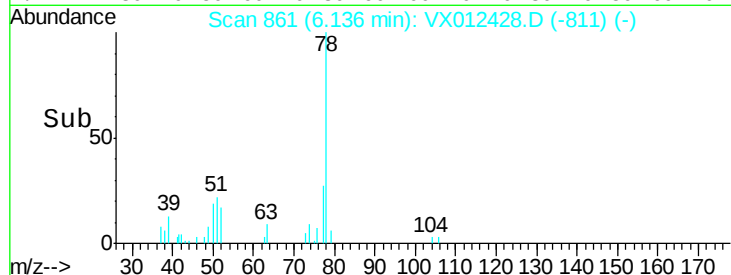
1500

1000

500

0

Time-->



#41

Methacrylonitrile

Concen: 0.854 ug/l

RT: 5.04 min Scan# 682

Delta R.T. 0.02 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Tgt Ion: 41 Resp: 2068

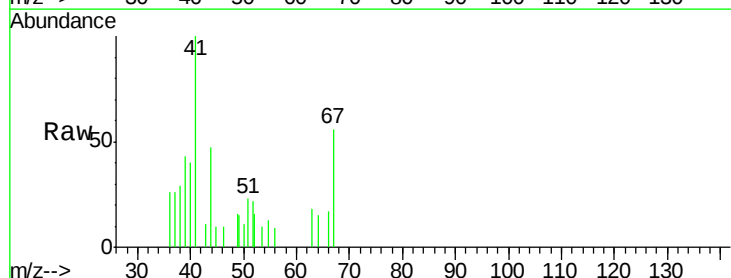
Ion Ratio Lower Upper

41 100

39 0.0 46.0 69.0#

67 0.0 52.2 78.2#

52 0.0 22.7 34.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

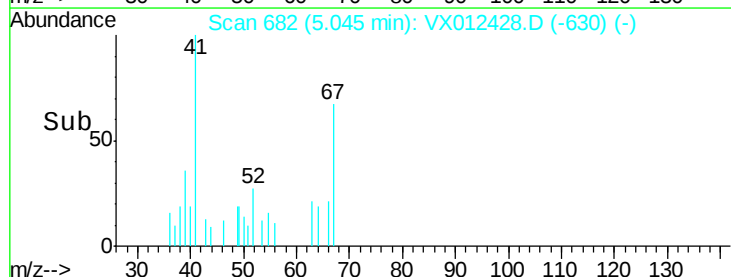
1500

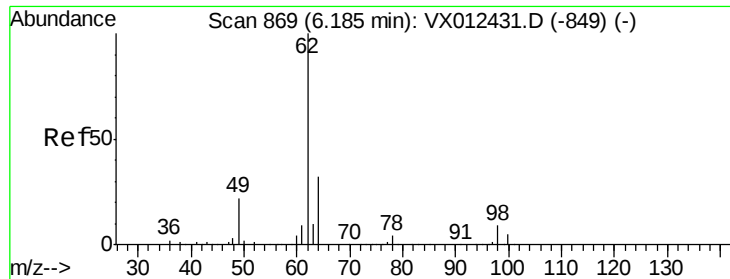
1000

500

0

Time-->





#42

1,2-Dichloroethane

Concen: 0.810 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 3128

Ion Ratio Lower Upper

62 100

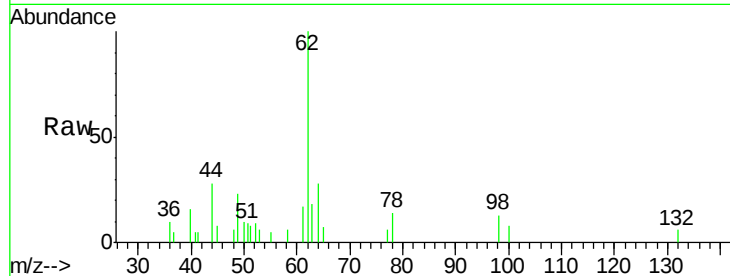
98 10.9 0.0 17.8

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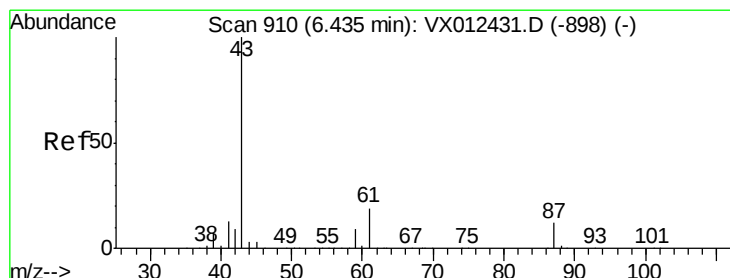
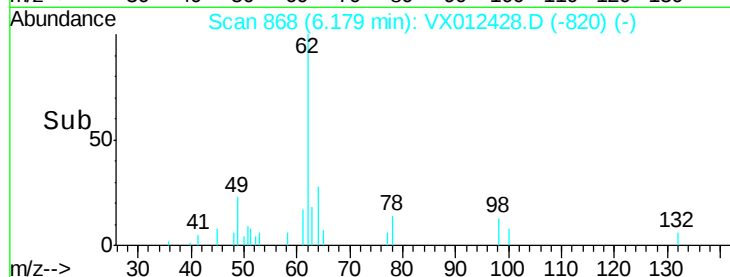
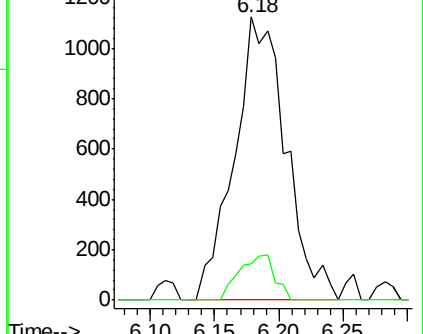
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Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#43

Isopropyl Acetate

Concen: 0.712 ug/l

RT: 6.44 min Scan# 911

Delta R.T. 0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

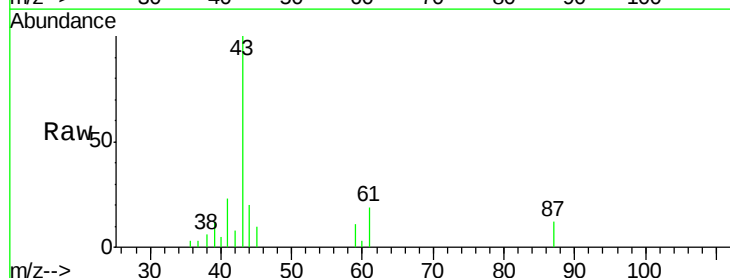
Tgt Ion: 43 Resp: 5203

Ion Ratio Lower Upper

43 100

61 21.4 15.4 23.0

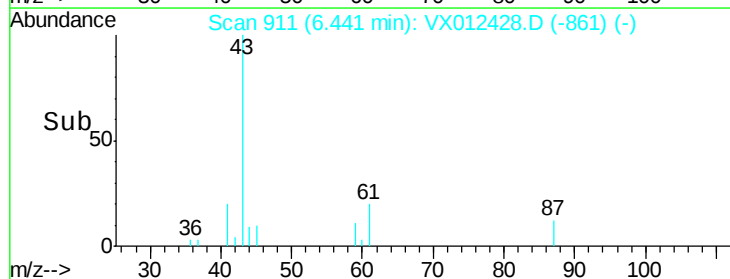
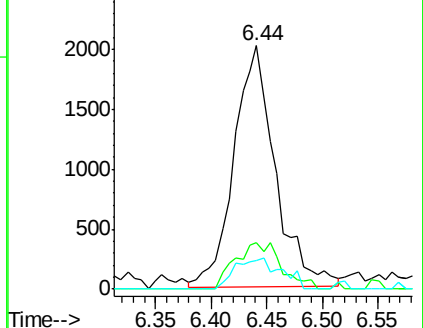
87 14.3 9.8 14.8

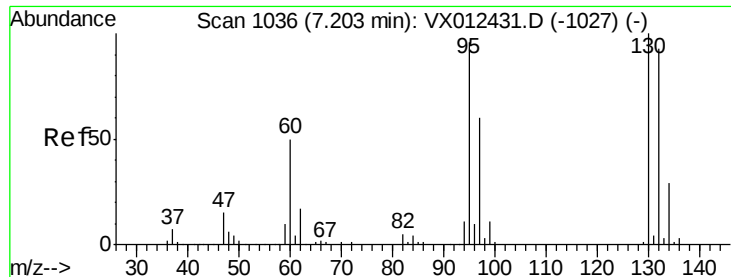


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





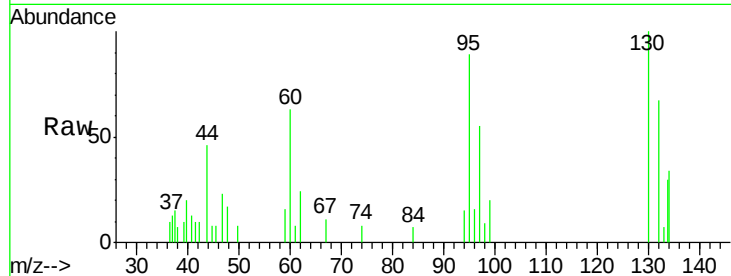
#44
 Trichloroethene
 Concen: 0.698 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

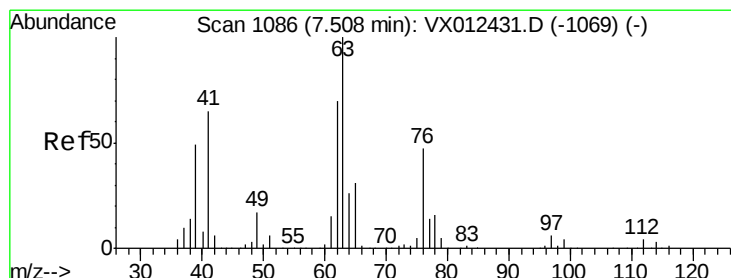
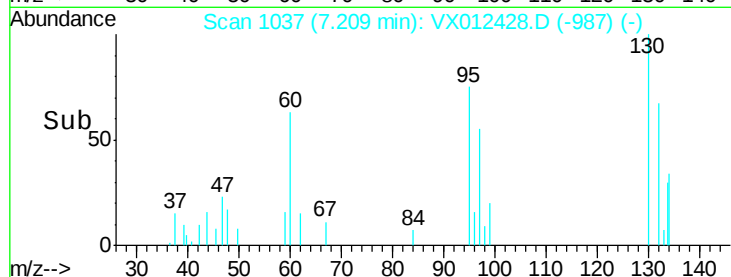
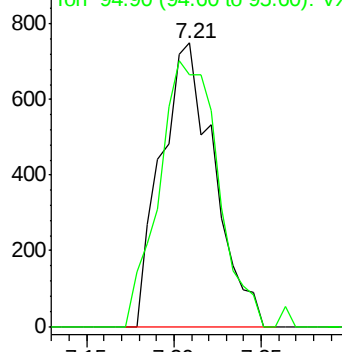
Tot Ion:130 Resp: 1585
 Ion Ratio Lower Upper
 130 100
 95 89.1 0.0 193.0

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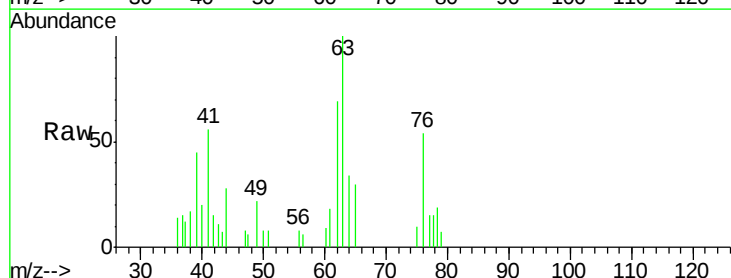


Abundance Ion 129.80 (129.50 to 130.50): V

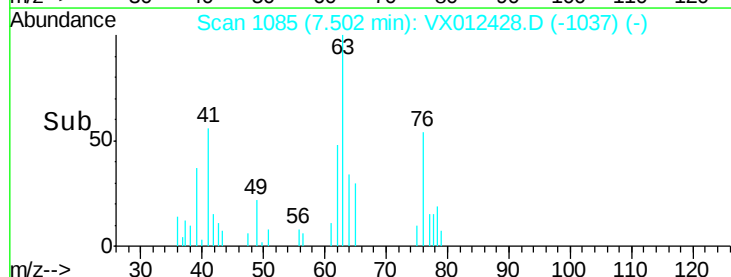
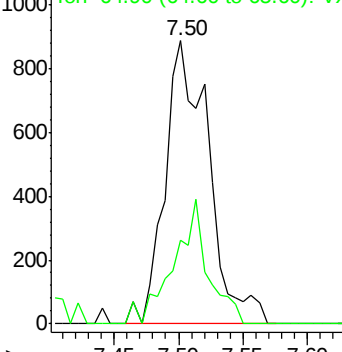


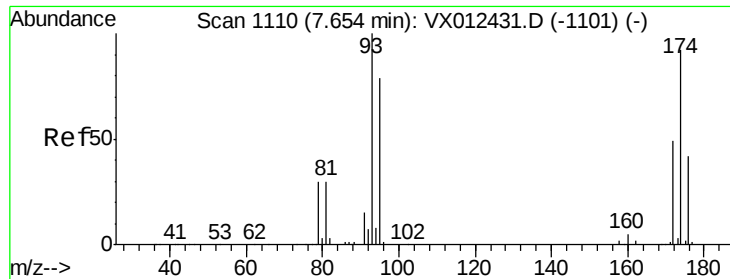
#45
 1,2-Dichloropropane
 Concen: 0.803 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion: 63 Resp: 2088
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0





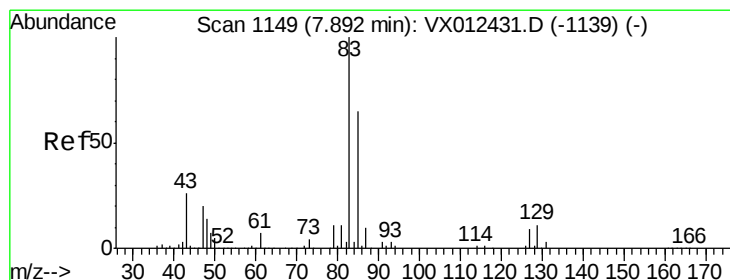
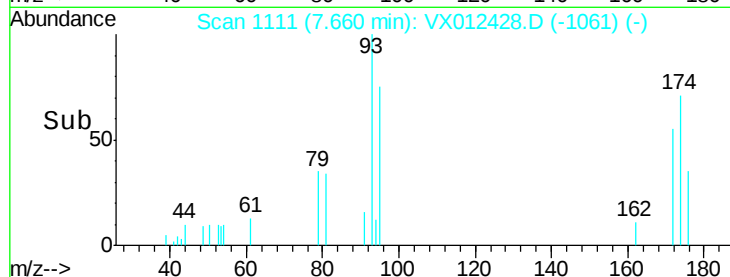
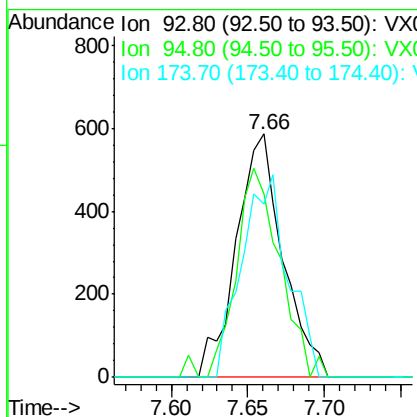
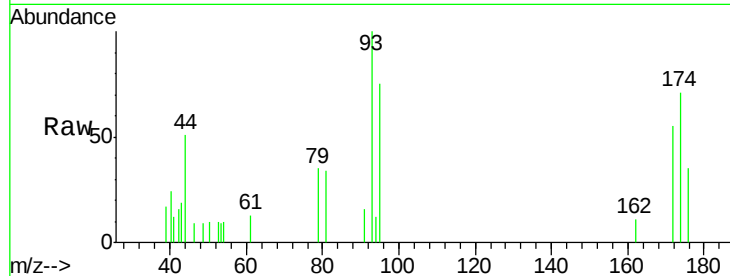
#46
Dibromomethane
Concen: 0.719 ug/l
RT: 7.66 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	79.9	66.6	100.0
174	82.4	77.4	116.0

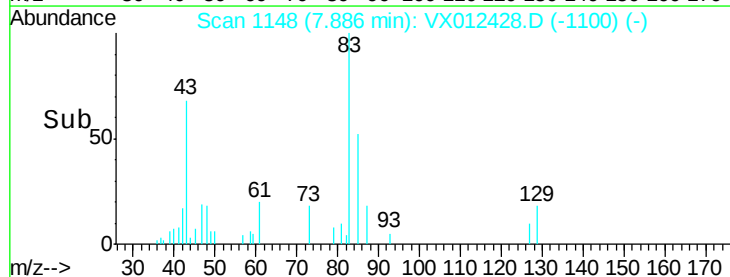
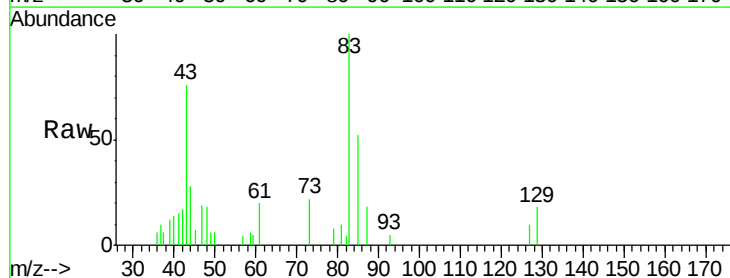
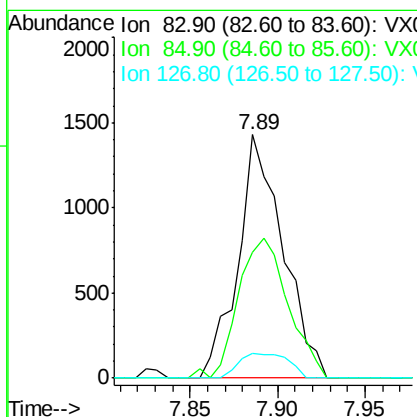
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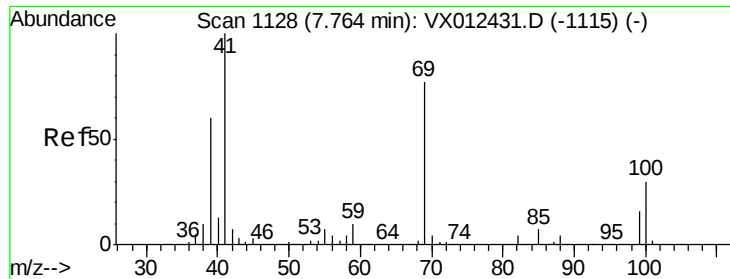
MMDadoda
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#47
Bromodichloromethane
Concen: 0.665 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	51.9	51.8	77.6
127	10.1	7.3	10.9





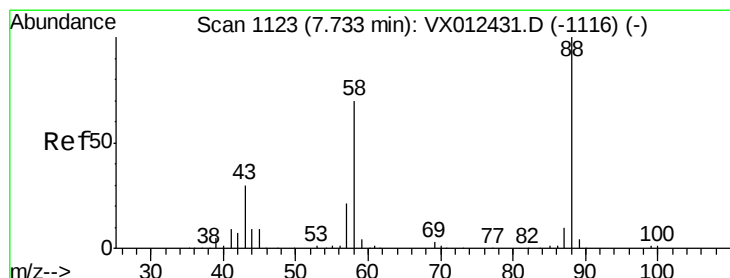
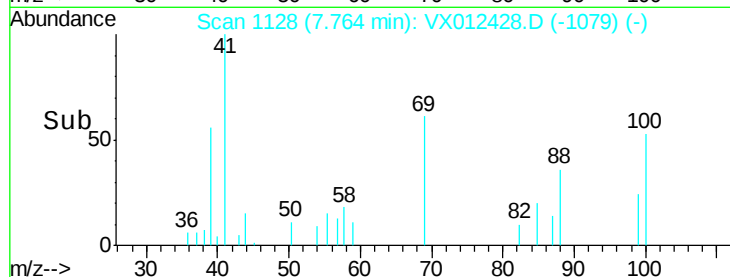
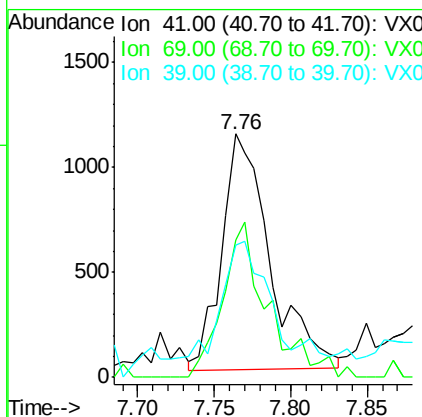
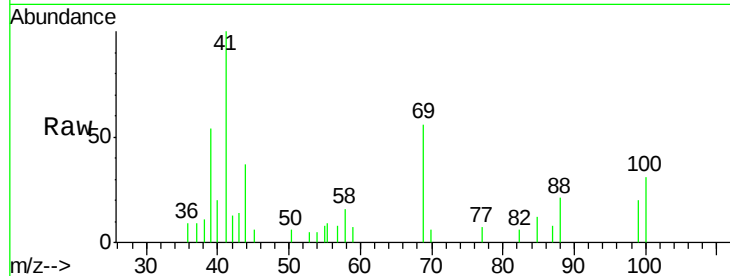
#48
Methvl methacrylate
Concen: 0.763 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	61.6	59.9	89.9
39	44.0	47.8	71.6#

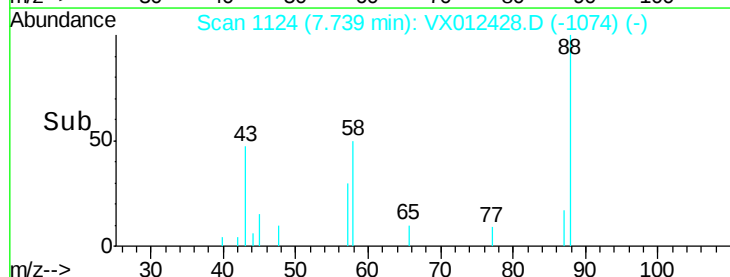
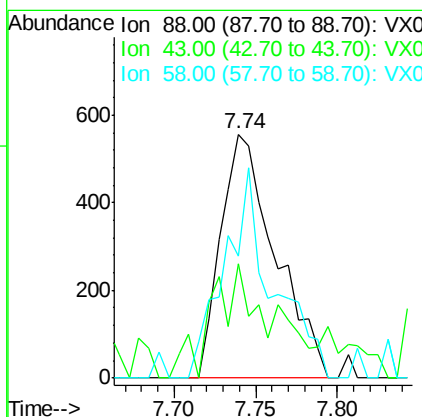
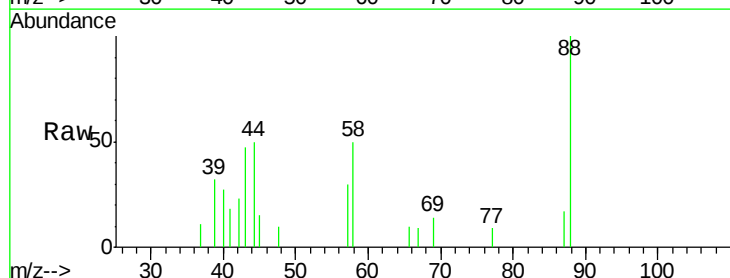
Manual Integrations
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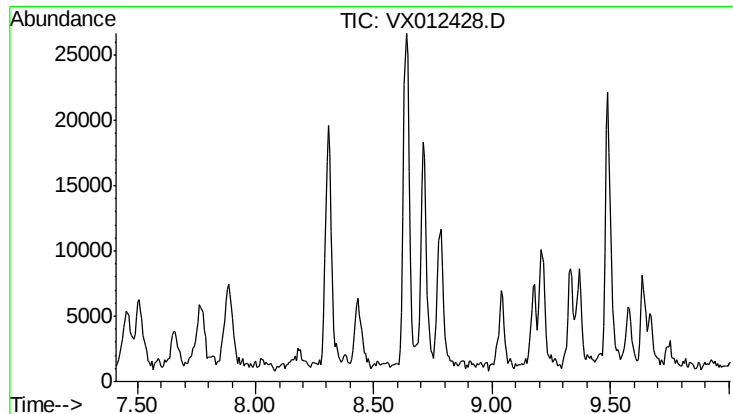
MMDadoda
9/18/2019 11:22:02 AM



#49
1,4-Dioxane
Concen: 15.609 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion	Ratio	Lower	Upper
88	100		
43	19.3	29.4	44.0#
58	75.9	57.5	86.3





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.71 min

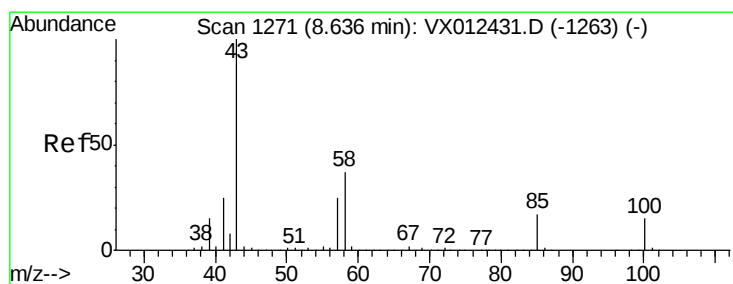
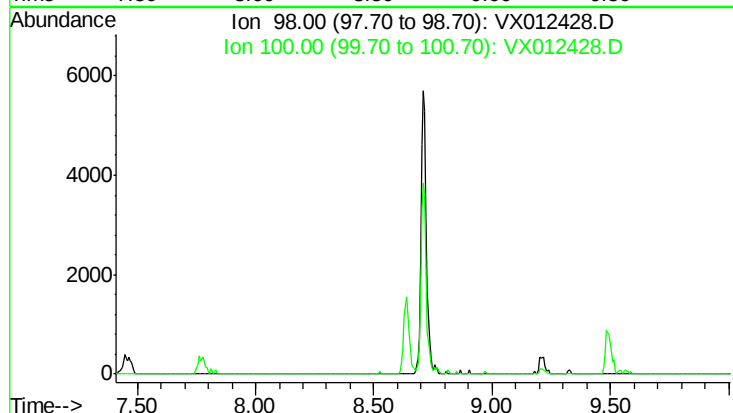
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 66.8

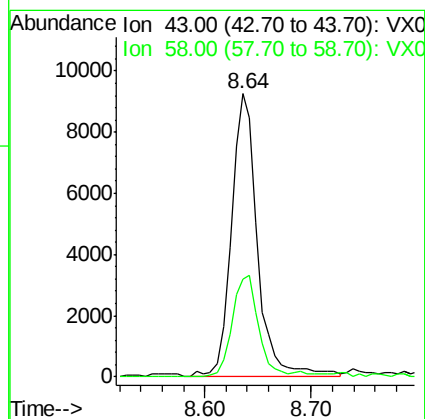
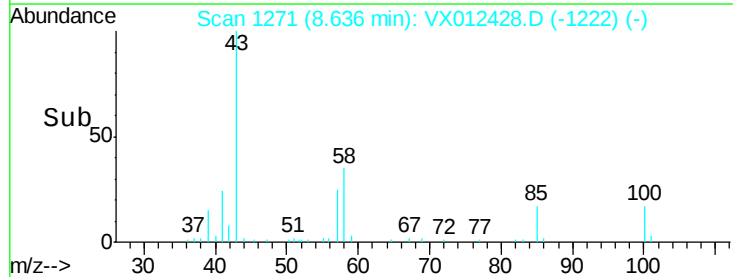
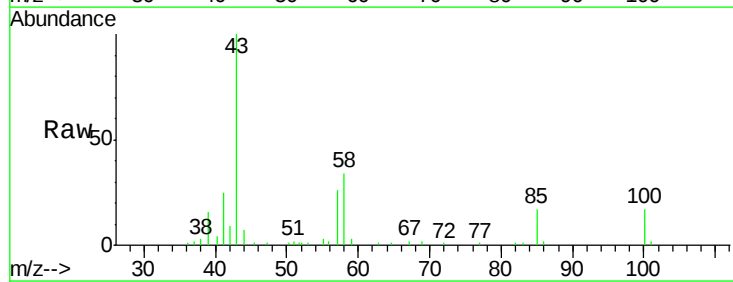
Manual Integrations
APPROVED

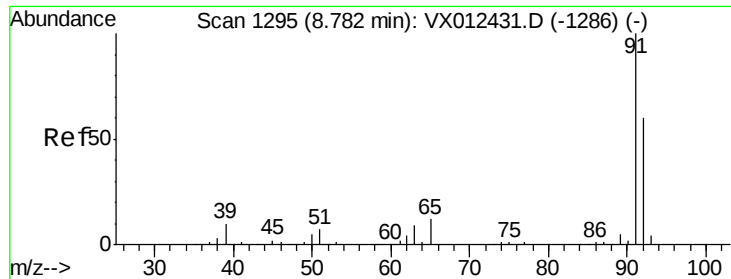
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 3.374 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion: 43 Resp: 15948
Ion Ratio Lower Upper
43 100
58 37.1 29.8 44.6





#52

Toluene

Concen: 0.706 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 3879

Ion Ratio Lower Upper

92 100

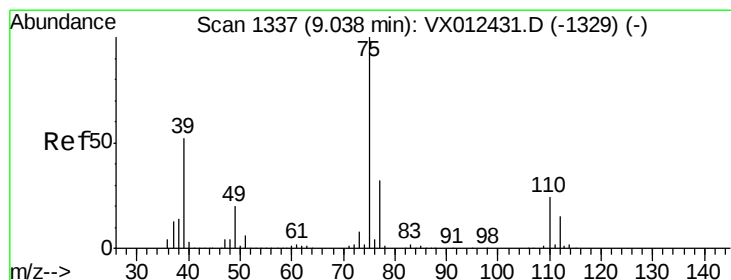
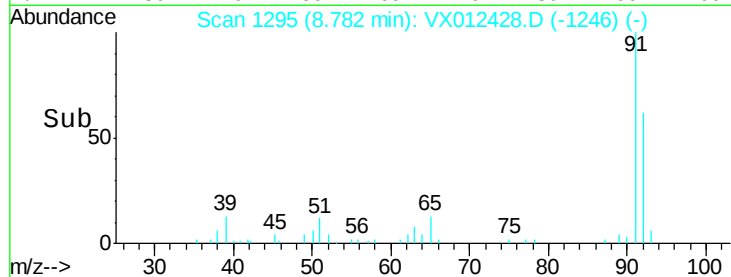
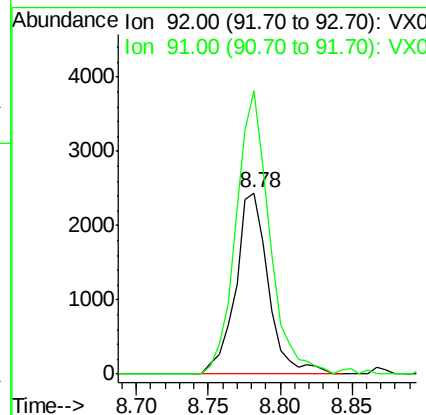
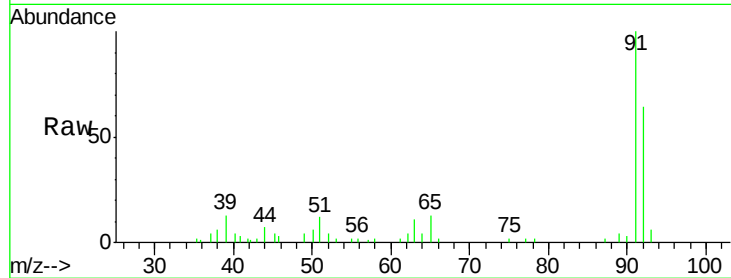
91 159.0 135.4 203.0

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 0.607 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX012428.D

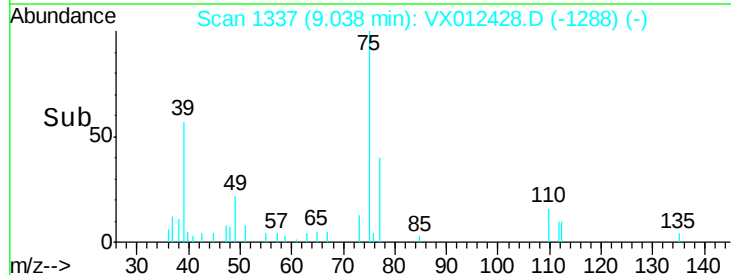
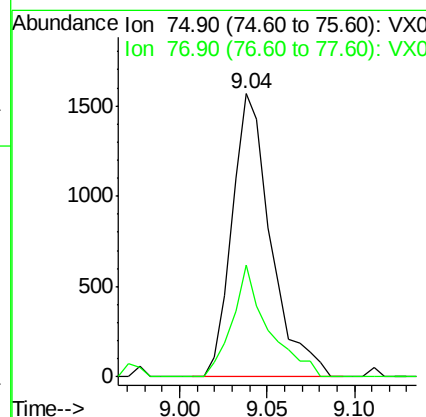
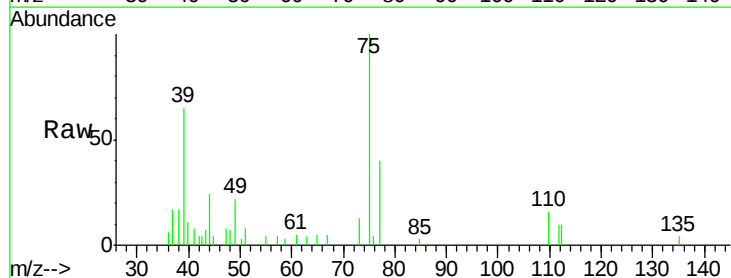
Acq: 17 Sep 2019 11:59

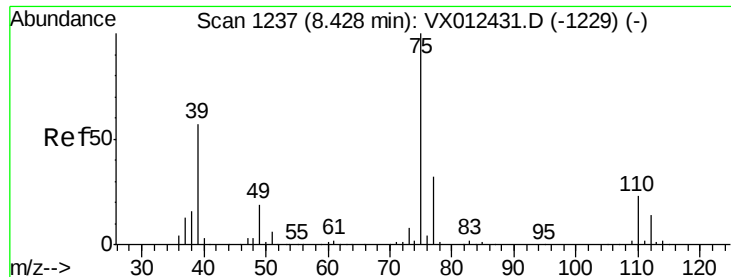
Tgt Ion: 75 Resp: 2420

Ion Ratio Lower Upper

75 100

77 39.6 25.2 37.8#





#54

cis-1,3-Dichloropropene

Concen: 0.631 ug/l

RT: 8.43 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 2607

Ion Ratio Lower Upper

75 100

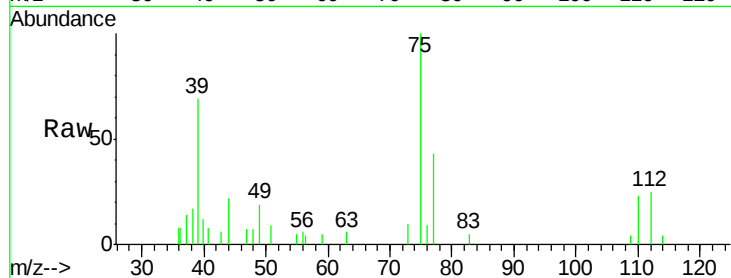
77 43.0 25.8 38.8#

39 68.6 45.5 68.3#

Manual Integrations
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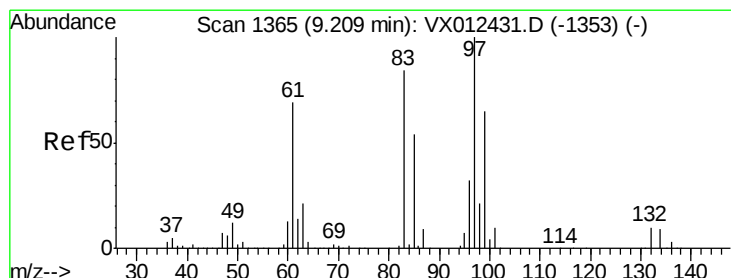
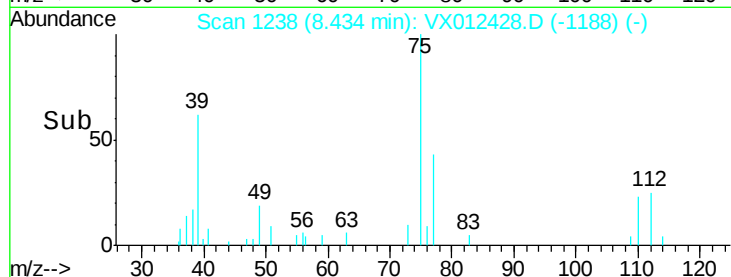
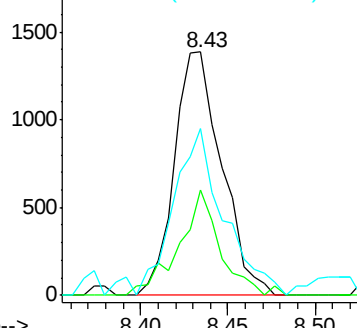
9/18/2019 11:22:02 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.729 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Tgt Ion: 97 Resp: 2119

Ion Ratio Lower Upper

97 100

83 86.4 67.4 101.2

85 45.9 43.5 65.3

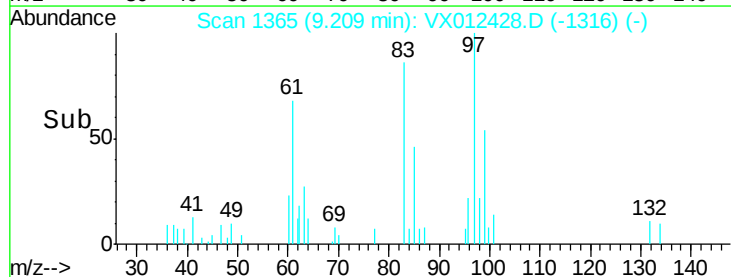
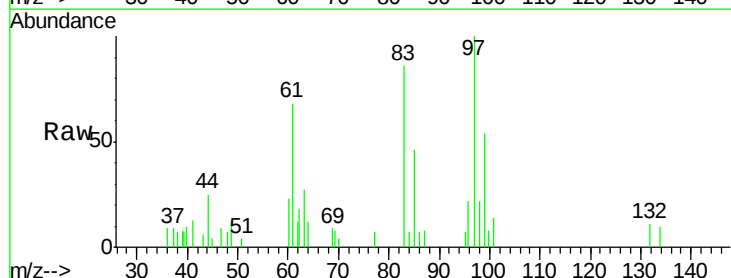
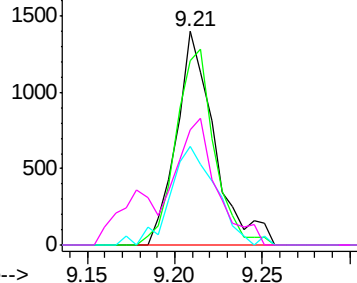
99 53.9 51.8 77.8

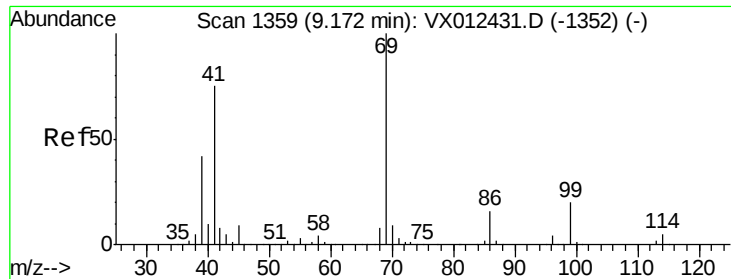
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





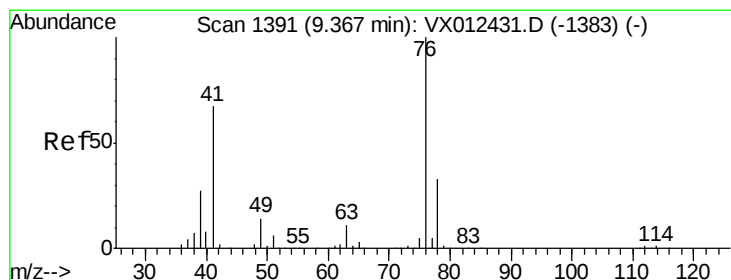
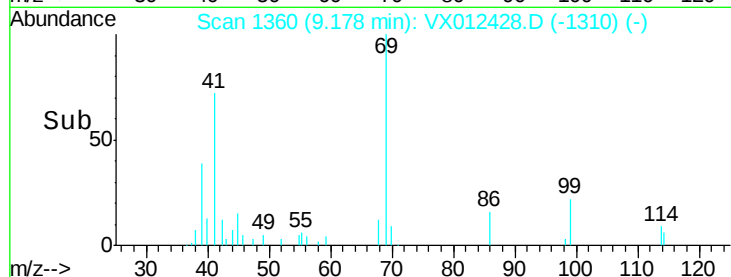
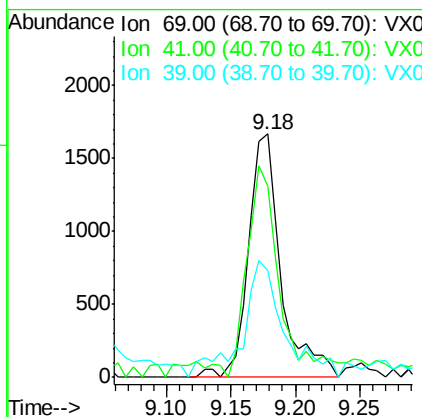
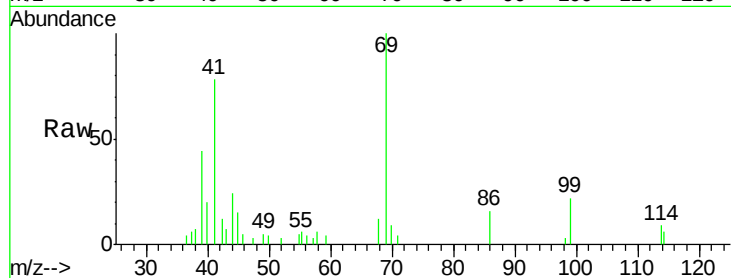
#56
Ethyl methacrylate
Concen: 0.660 ug/l
RT: 9.18 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	87.3	58.4	87.6
39	61.7	33.4	50.0#

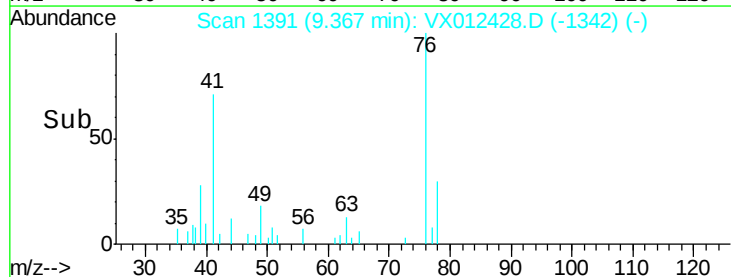
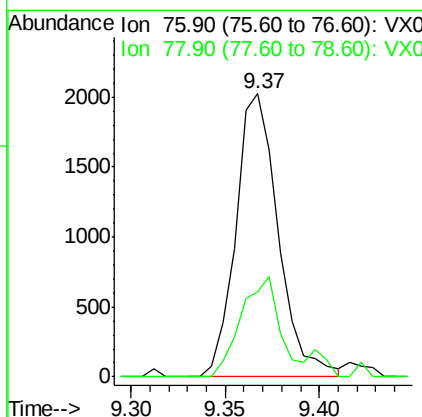
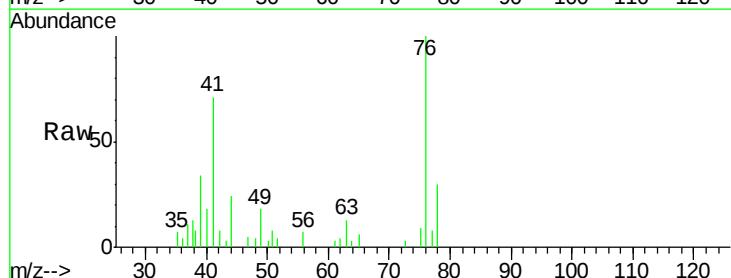
Manual Integrations
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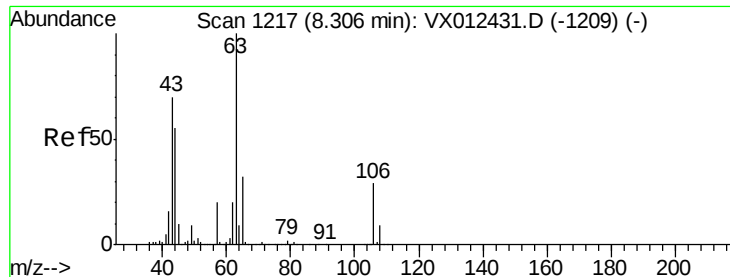
MMDadoda
9/18/2019 11:22:02 AM



#57
1,3-Dichloropropane
Concen: 0.686 ug/l
RT: 9.37 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.2





#58

2-Chloroethyl Vinyl ether

Concen: 3.017 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 7026

Ion Ratio Lower Upper

63 100

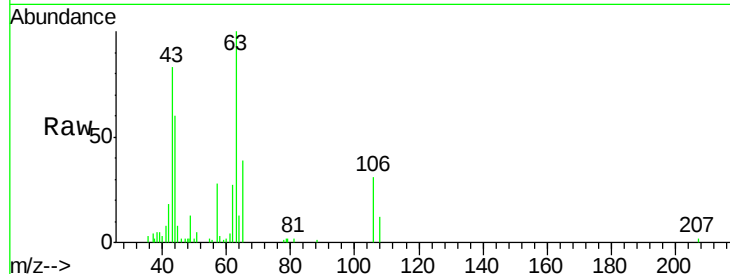
106 29.5 23.8 35.6

Manual Integrations

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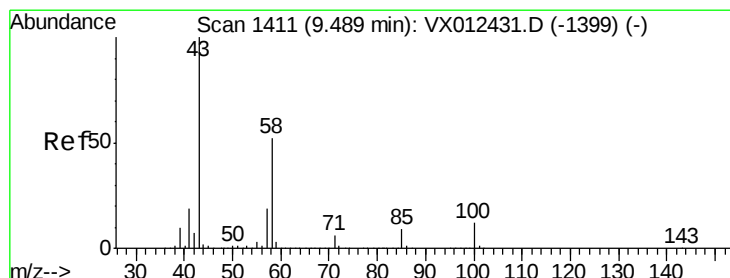
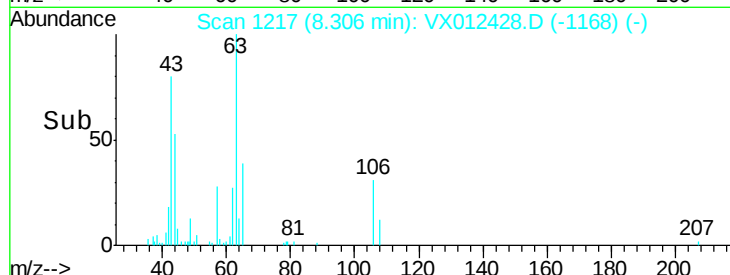
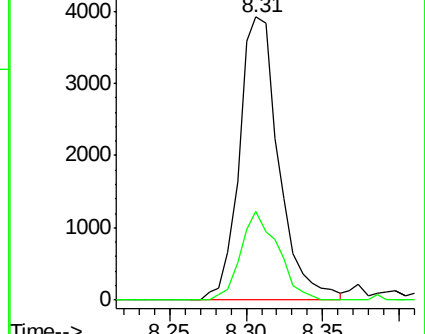
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 3.499 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX012428.D

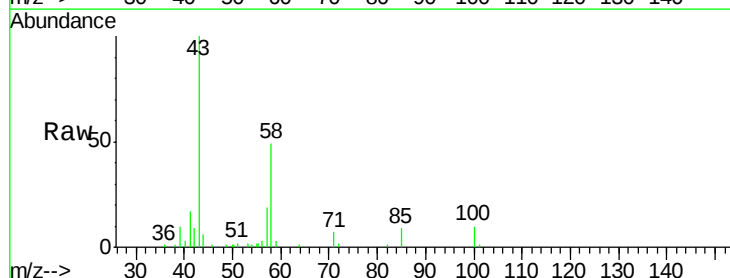
Acq: 17 Sep 2019 11:59

Tgt Ion: 43 Resp: 12786

Ion Ratio Lower Upper

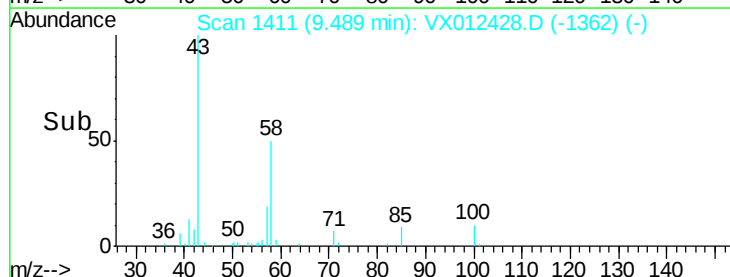
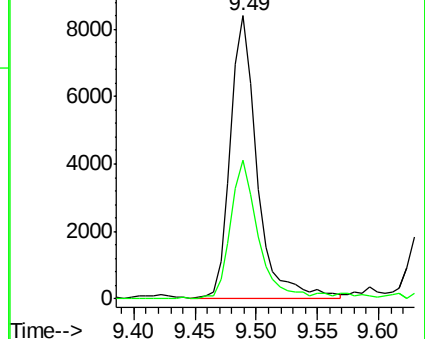
43 100

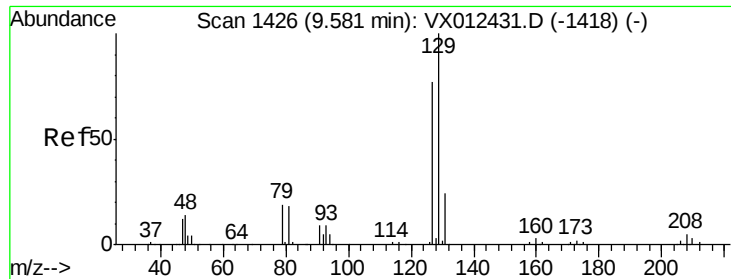
58 49.6 25.7 77.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 0.592 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 1759

Ion Ratio Lower Upper

129 100

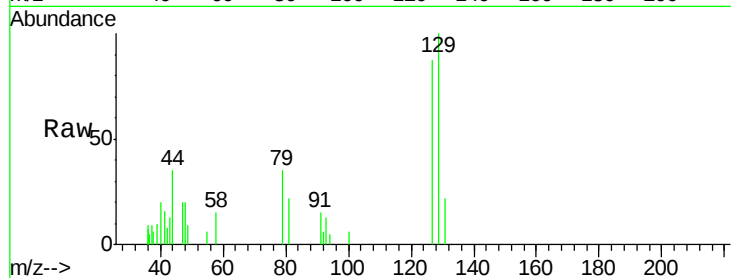
127 79.0 38.9 116.6

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

1200

1000

800

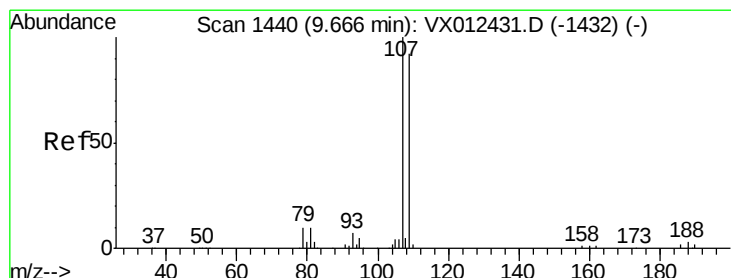
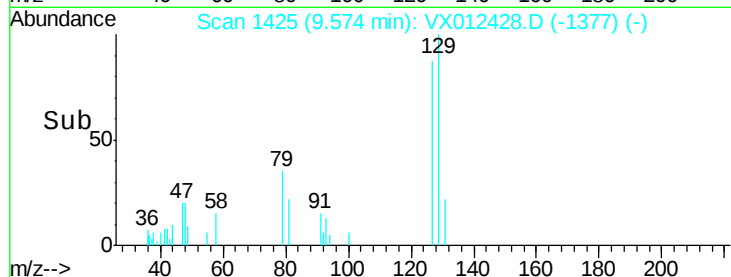
600

400

200

0

Time-->



#61

1,2-Dibromoethane

Concen: 0.602 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012428.D

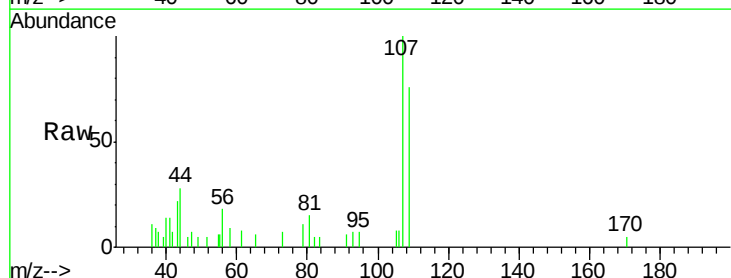
Acq: 17 Sep 2019 11:59

Tgt Ion:107 Resp: 1606

Ion Ratio Lower Upper

107 100

109 101.6 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

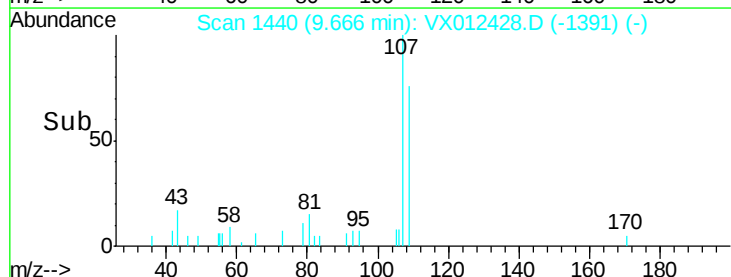
9.67

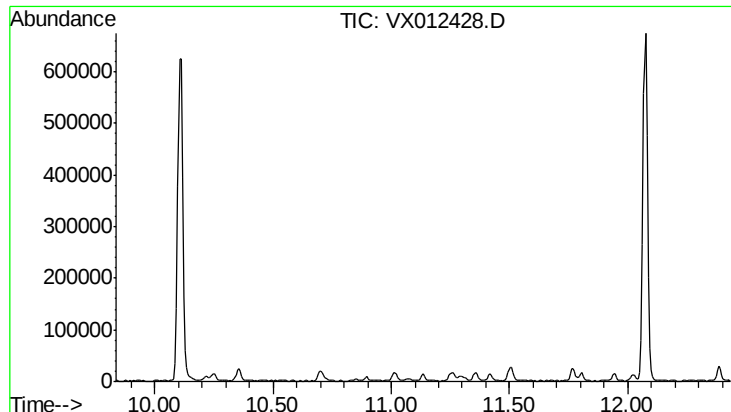
1000

500

0

Time-->





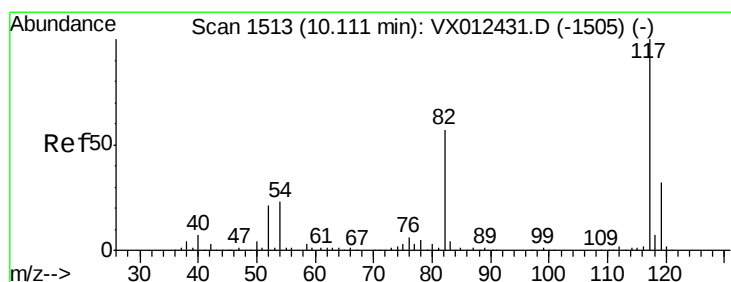
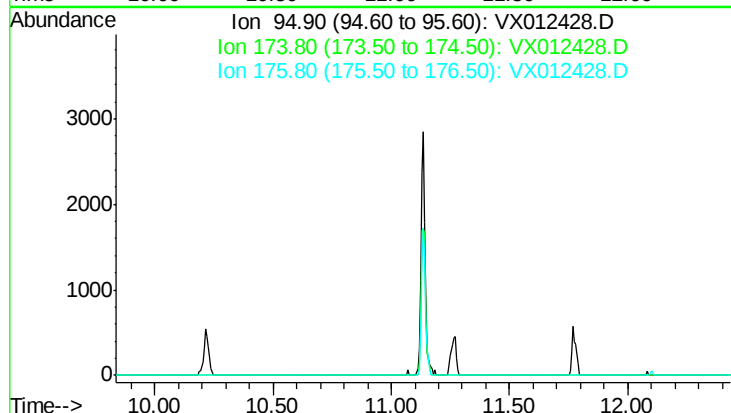
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.14 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	70.0
176	67.7

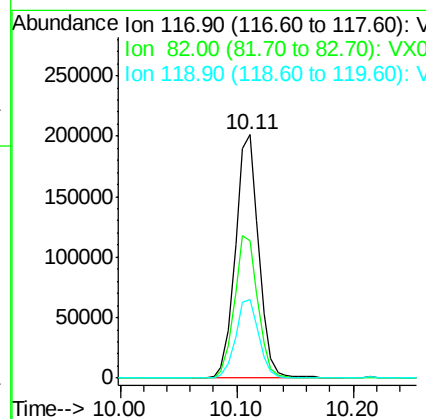
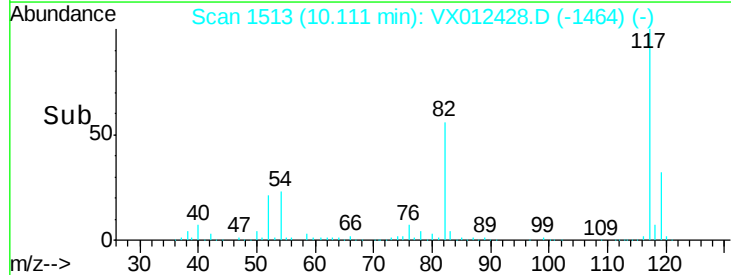
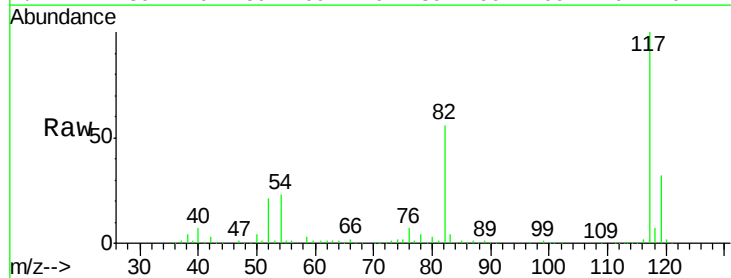
Manual Integrations
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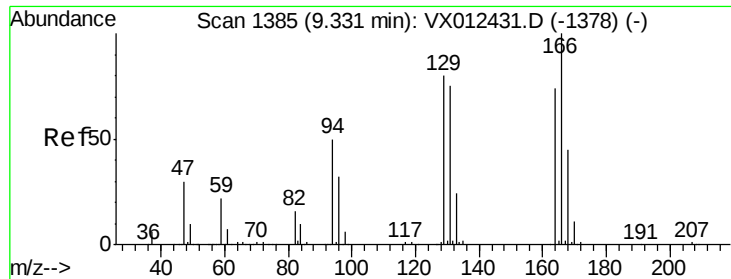
MMDadoda
 9/18/2019 11:22:02 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	117	Resp	278672
Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.9	68.9
119	32.0	25.3	37.9





#64

Tetrachloroethene

Concen: 0.699 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 1219

Ion Ratio Lower Upper

164 100

166 127.6 107.8 161.6

129 91.6 86.2 129.2

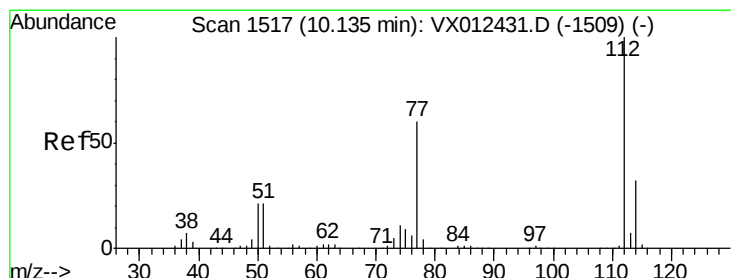
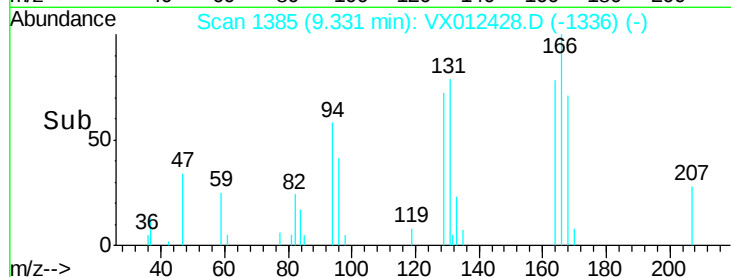
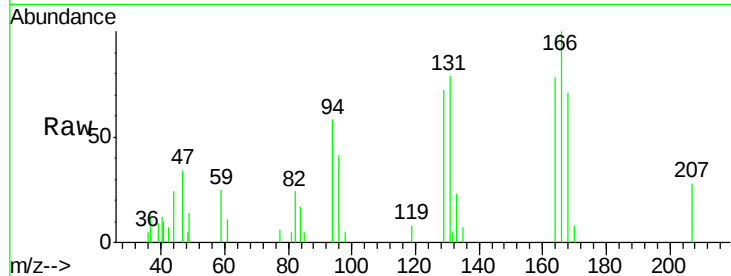
131 100.5 80.4 120.6

Manual Integrations

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#65

Chlorobenzene

Concen: 0.787 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012428.D

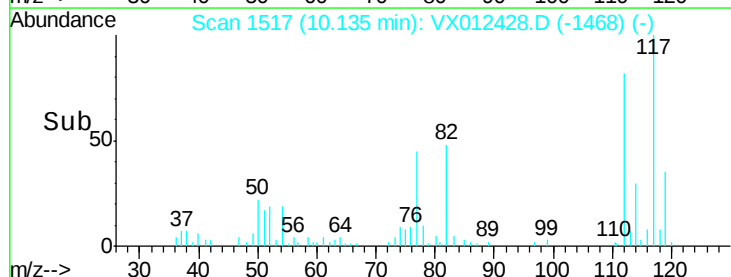
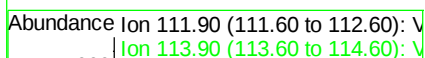
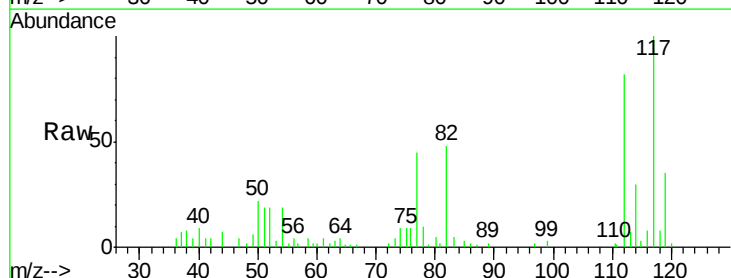
Acq: 17 Sep 2019 11:59

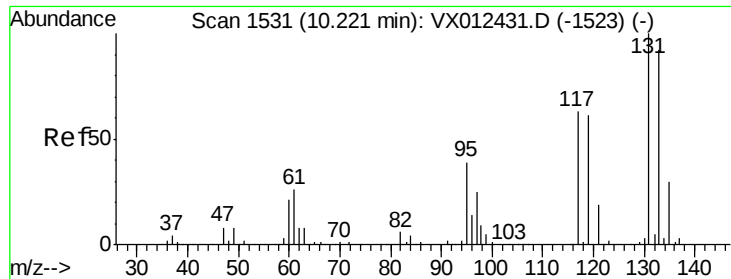
Tgt Ion:112 Resp: 4827

Ion Ratio Lower Upper

112 100

114 36.6 25.4 38.0





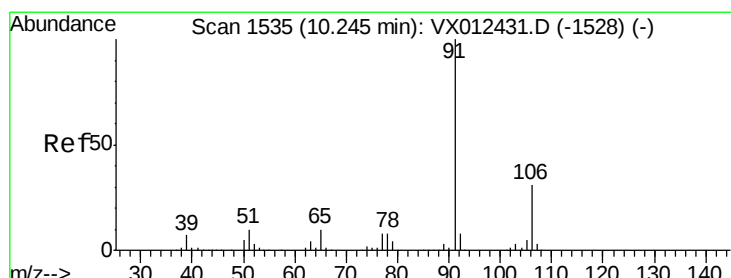
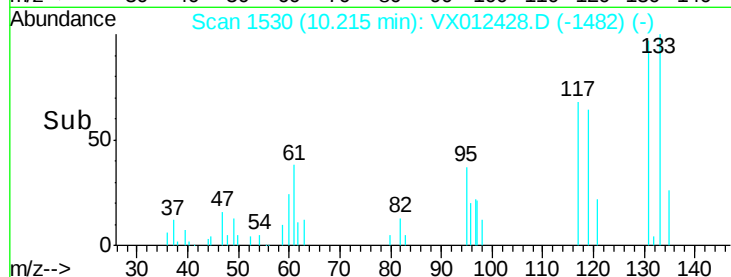
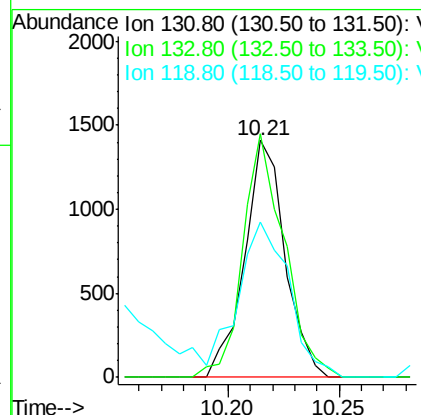
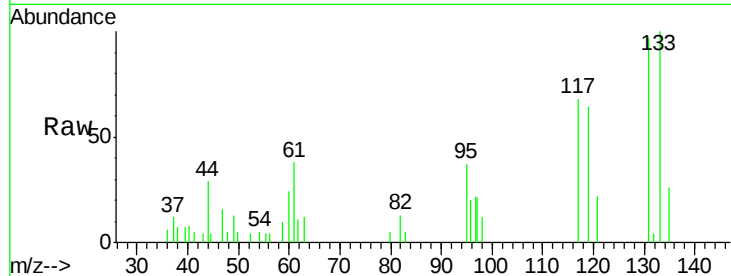
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.690 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	104.5	47.6	142.9
119	0.0	31.3	93.8#

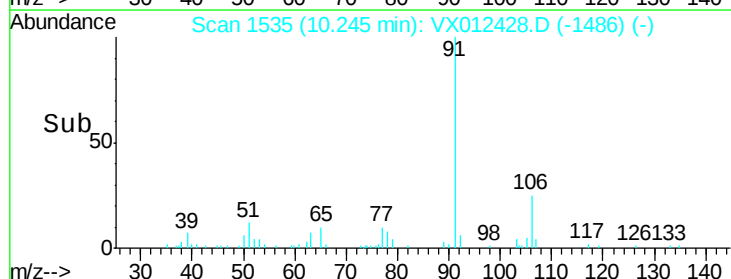
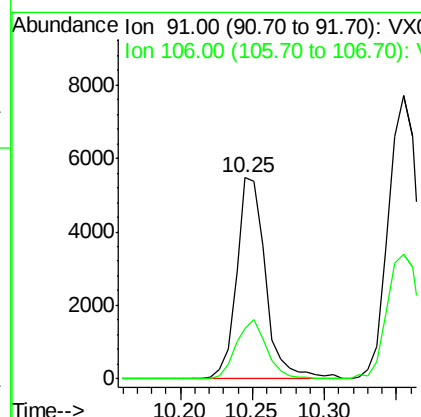
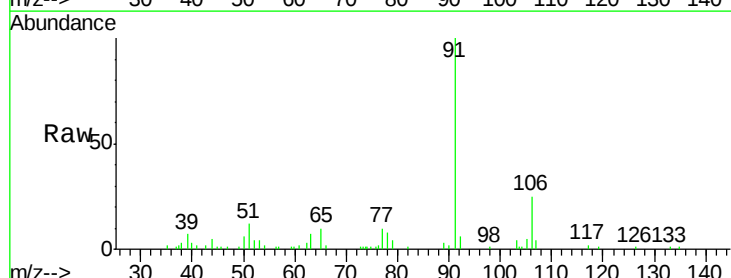
Manual Integrations
 APPROVED

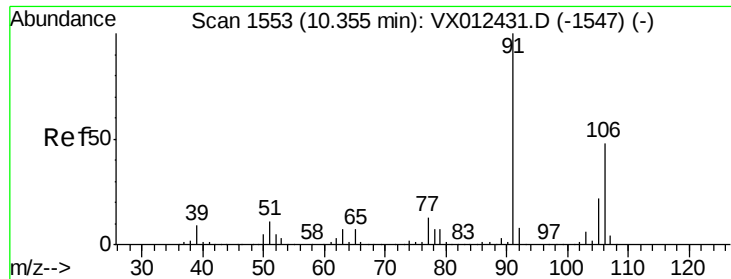
MMDadoda
 9/18/2019 11:22:02 AM



#67
 Ethyl Benzene
 Concen: 0.736 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	24.9	24.6	37.0





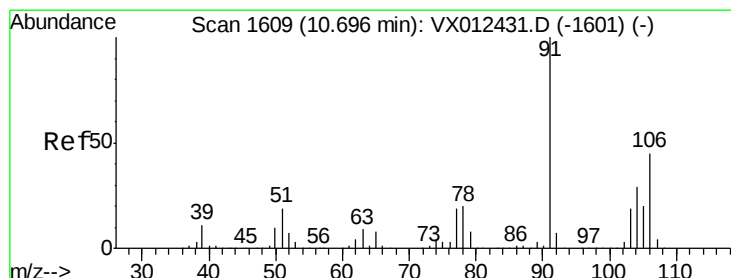
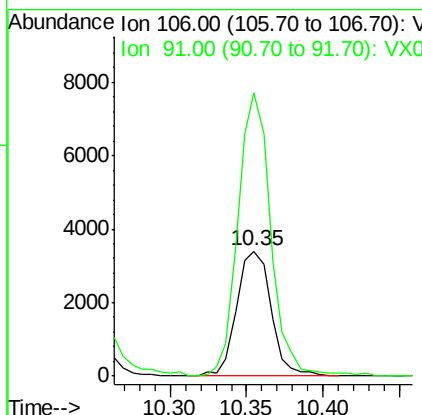
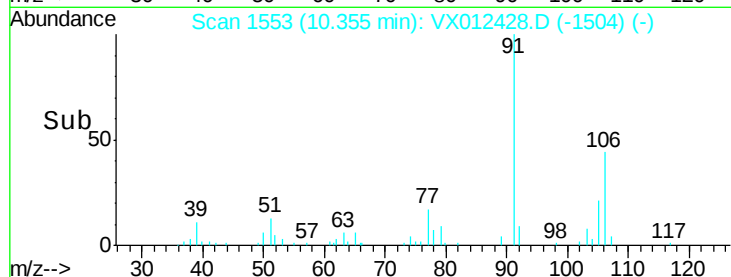
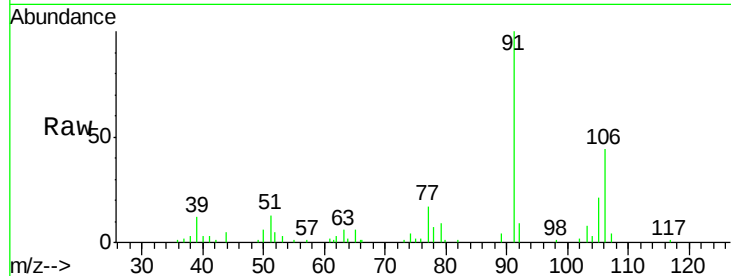
#68
m/p-Xvlenes
Concen: 1.377 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 5328
Ion Ratio Lower Upper
106 100
91 216.1 166.6 250.0

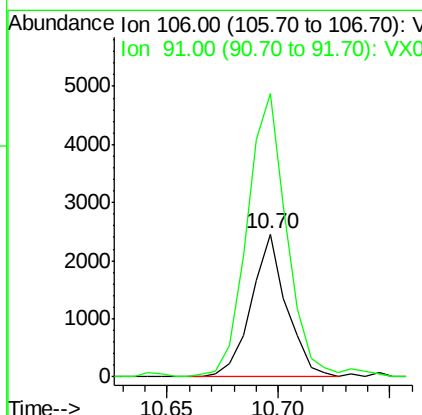
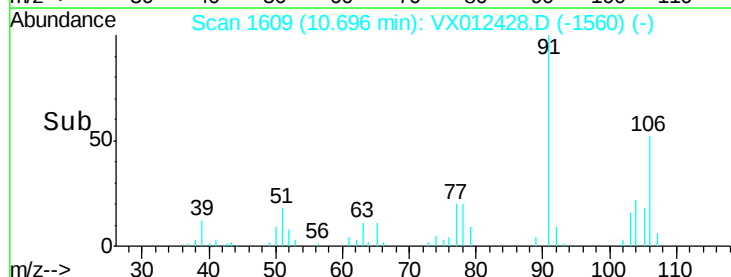
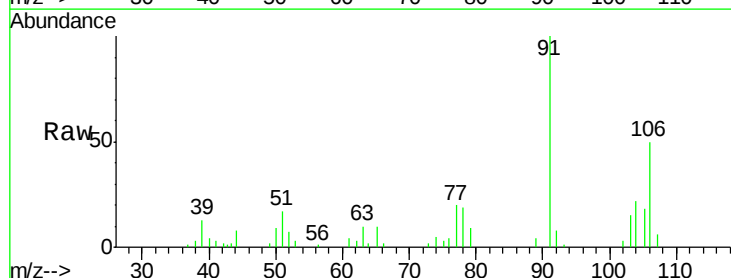
Manual Integrations
APPROVED

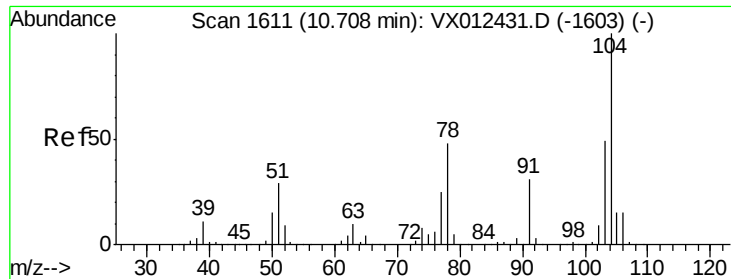
MMDadoda
9/18/2019 11:22:02 AM



#69
o-Xylene
Concen: 0.676 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion:106 Resp: 2713
Ion Ratio Lower Upper
106 100
91 225.1 109.4 328.2





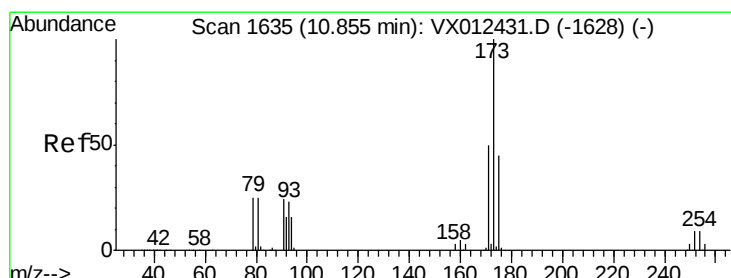
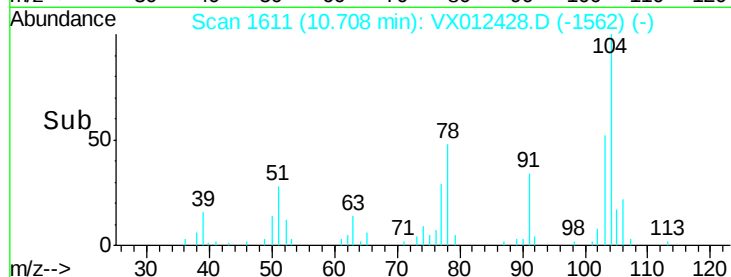
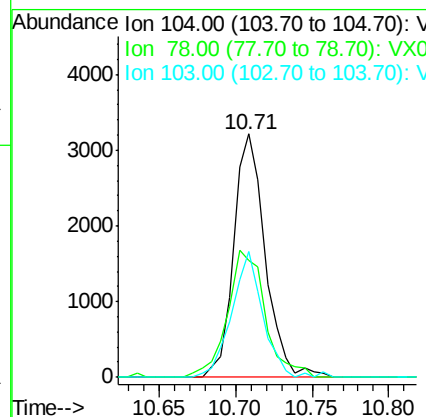
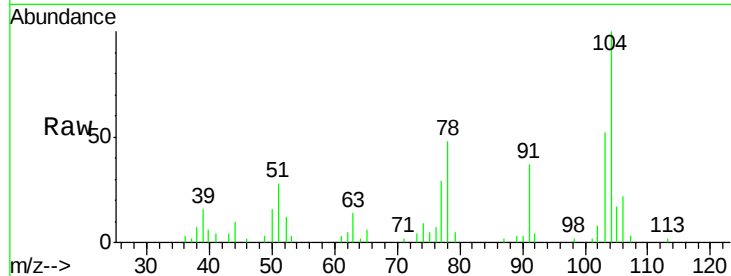
#70
Stvrene
Concen: 0.659 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	62.2	43.4	65.2
103	50.8	43.3	64.9

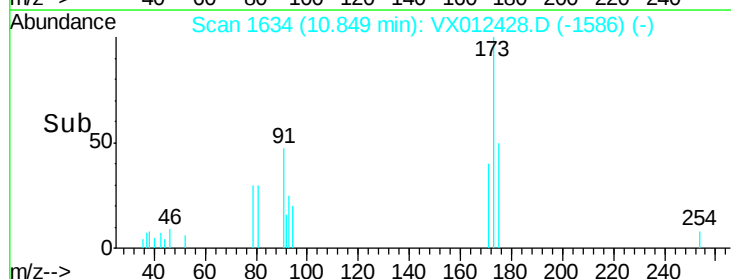
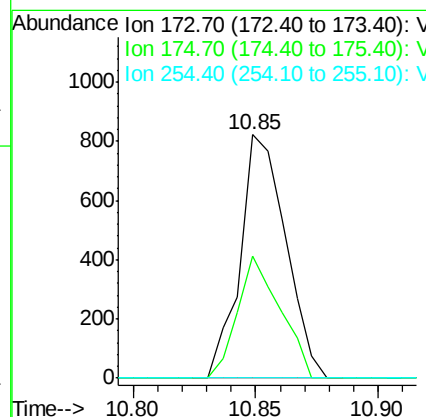
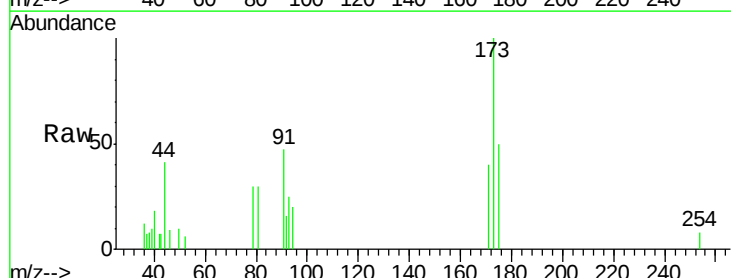
Manual Integrations
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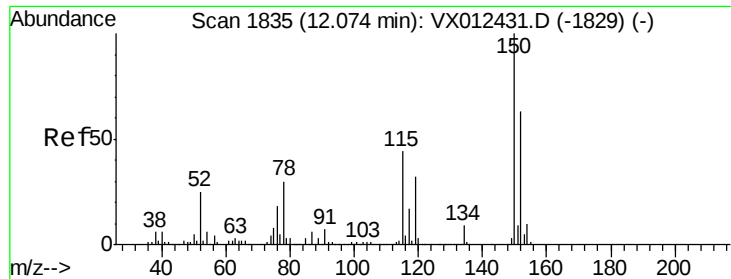
MMDadoda
9/18/2019 11:22:02 AM



#71
Bromoform
Concen: 0.535 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.7	71.1
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 126969

Ion Ratio Lower Upper

152 100

115 63.8 44.1 132.3

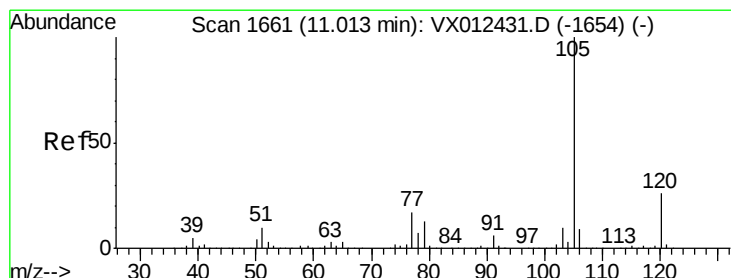
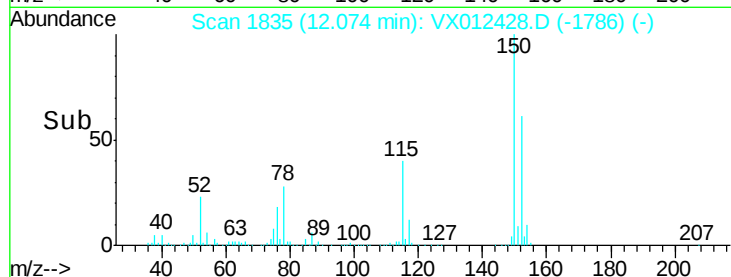
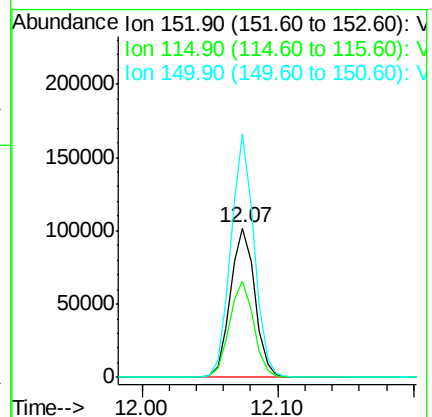
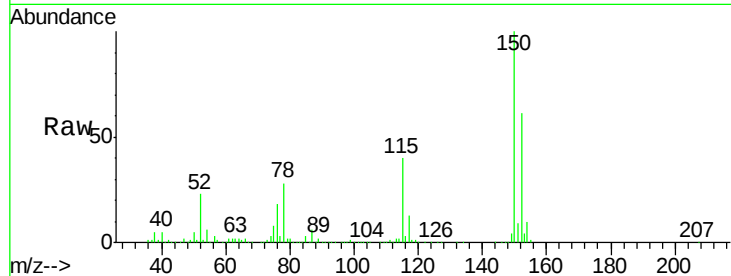
150 154.5 0.0 343.8

Manual Integrations

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#73

Isopropylbenzene

Concen: 0.900 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012428.D

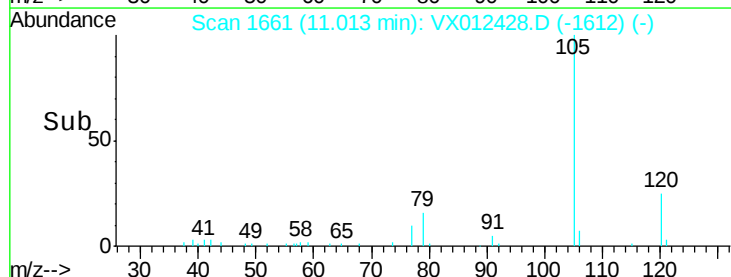
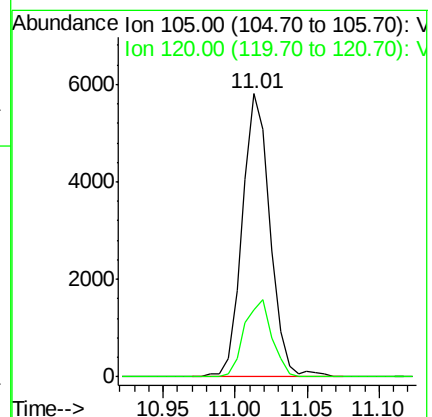
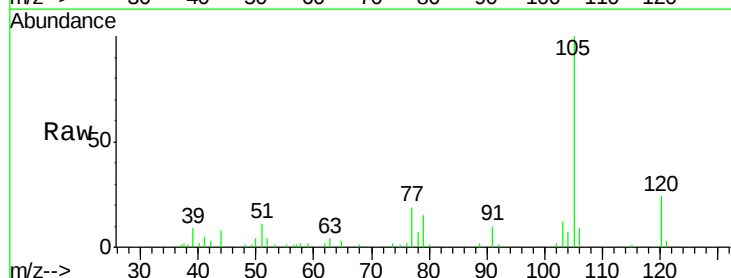
Acq: 17 Sep 2019 11:59

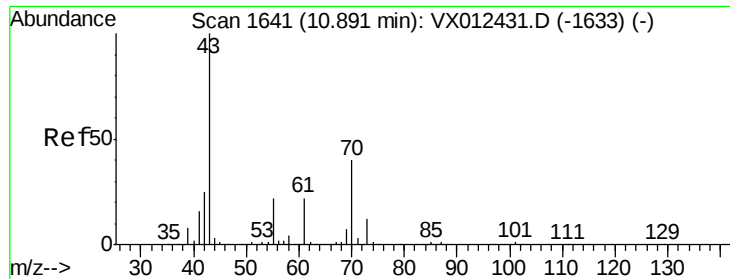
Tgt Ion:105 Resp: 7771

Ion Ratio Lower Upper

105 100

120 27.1 12.9 38.7





#74

N-amvl acetate

Concen: 0.832 ug/l

RT: 10.90 min Scan# 1642

Delta R.T. 0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

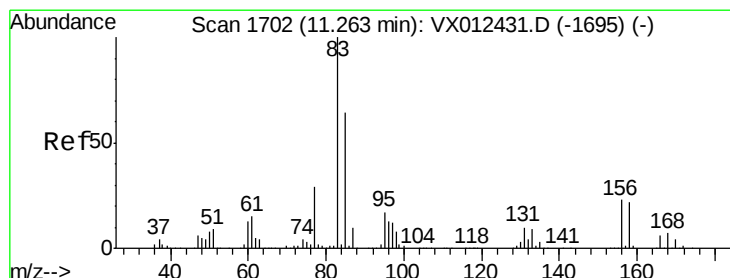
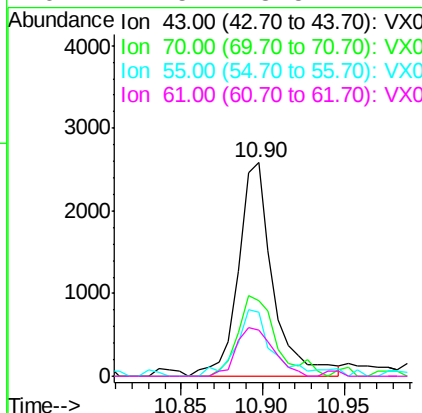
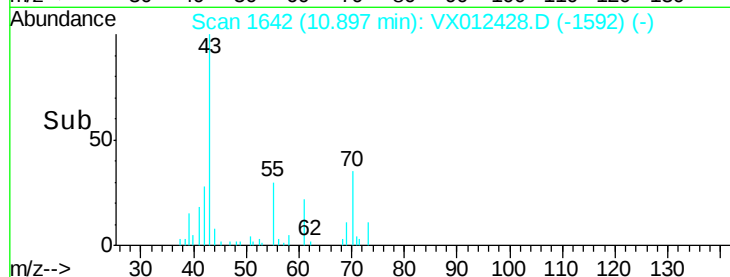
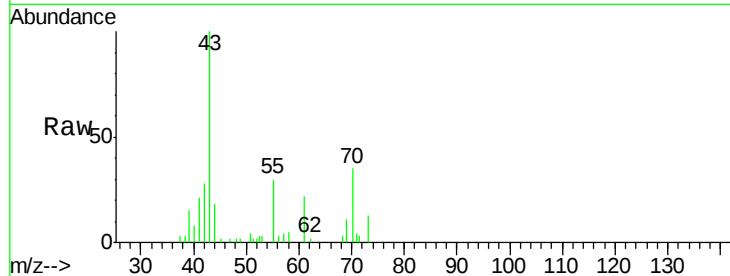
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	3826
Ion	Ratio	Lower	Upper
43	100		
70	41.3	32.4	48.6
55	33.9	18.2	27.4
61	24.5	18.5	27.7

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 0.880 ug/l

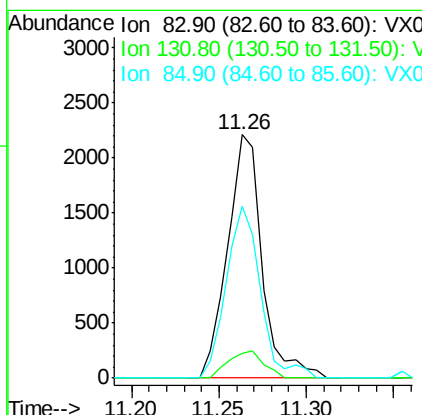
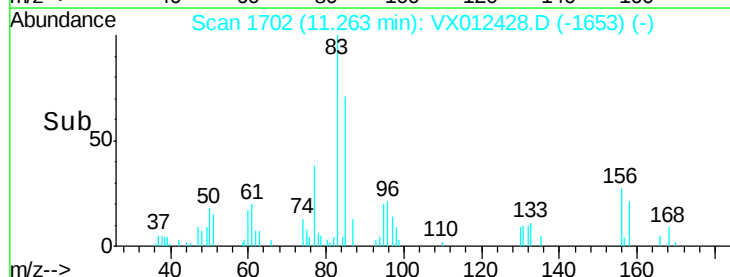
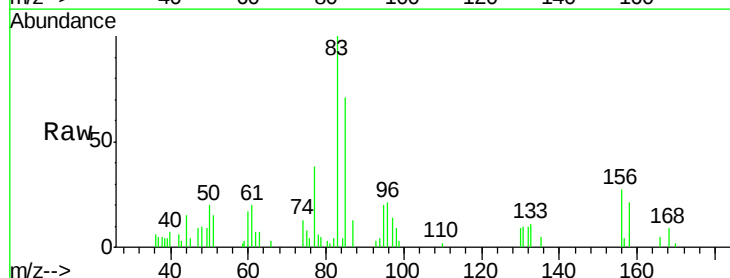
RT: 11.26 min Scan# 1702

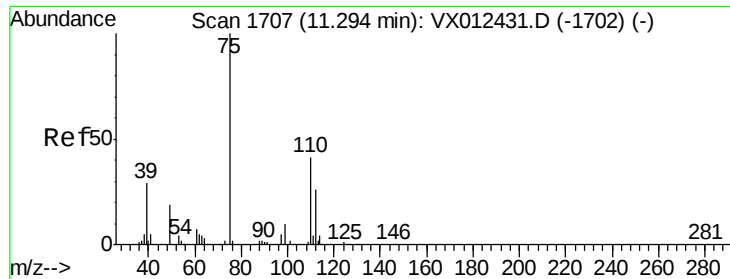
Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Tgt Ion:	83	Resp:	3042
Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.2	15.6
85	70.0	32.0	96.0





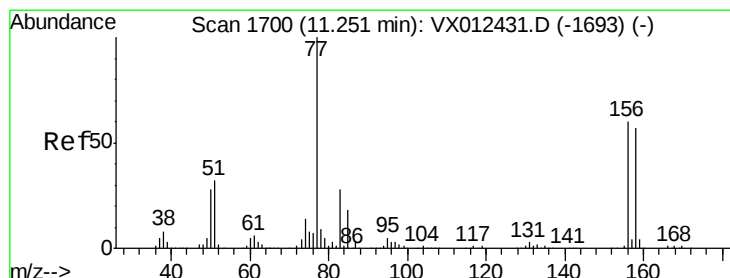
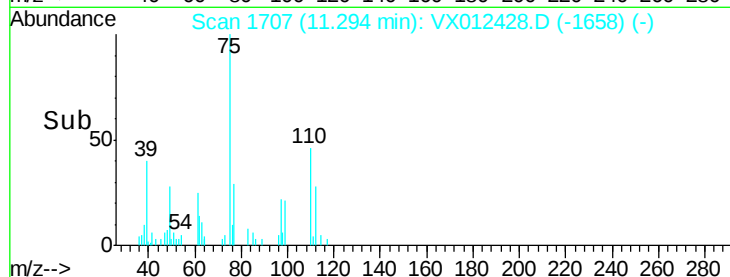
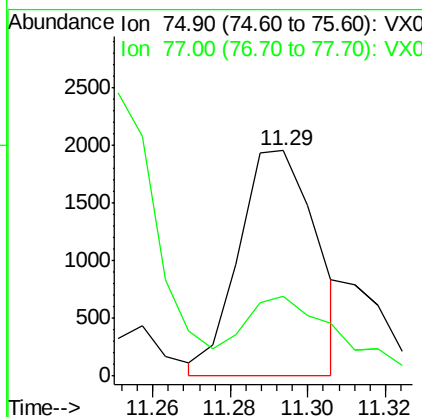
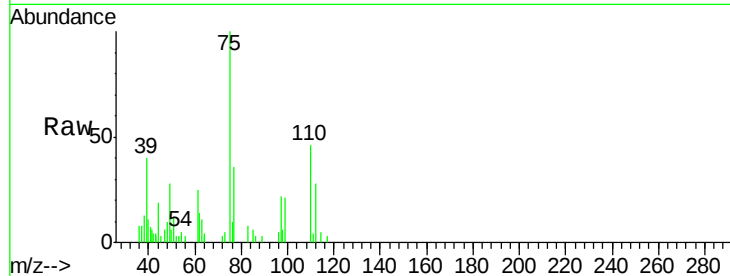
#76
 1,2,3-Trichloropropane
 Concen: 0.847 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion: 75 Resp: 2719
 Ion Ratio Lower Upper
 75 100
 77 46.3 19.7 59.0

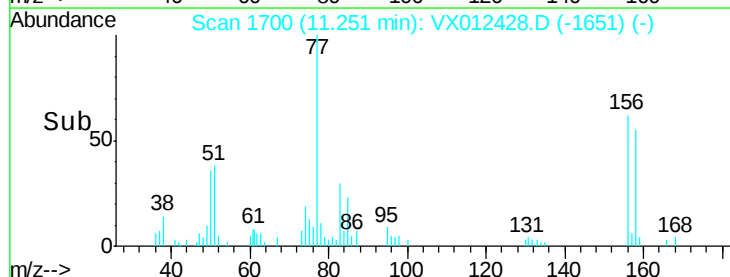
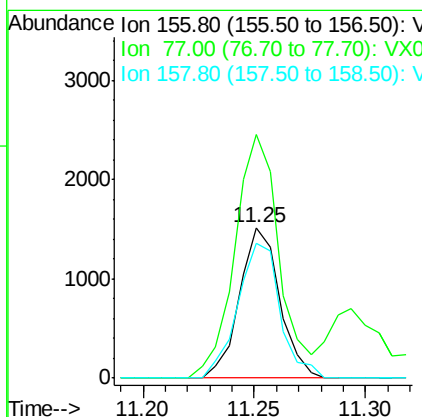
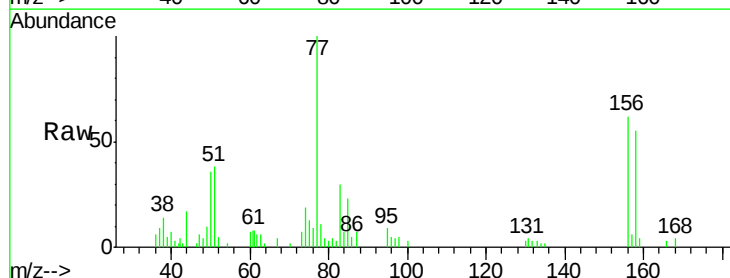
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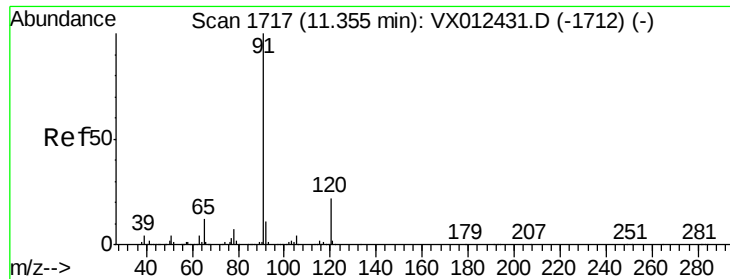
MMDadoda
 9/18/2019 11:22:02 AM



#77
 Bromobenzene
 Concen: 0.866 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion: 156 Resp: 1910
 Ion Ratio Lower Upper
 156 100
 77 178.6 87.3 261.8
 158 94.6 48.5 145.6





#78

n-propylbenzene

Concen: 0.867 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 8453

Ion Ratio Lower Upper

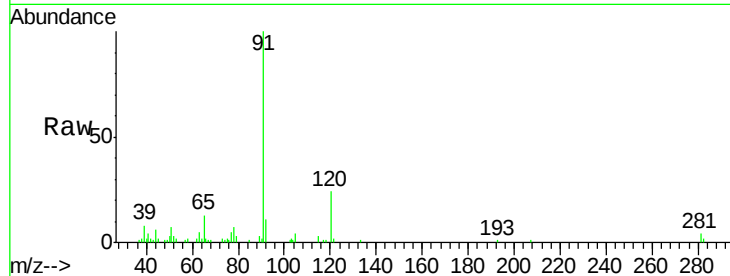
91 100

120 24.4 11.3 33.8

Manual Integrations
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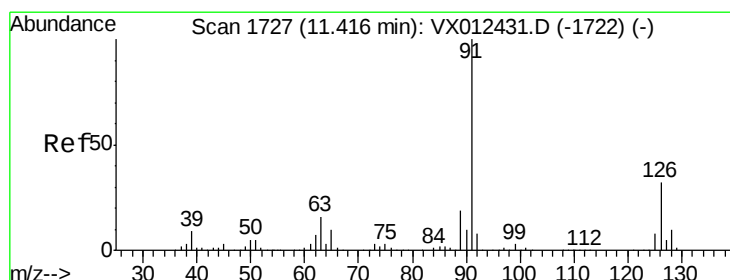
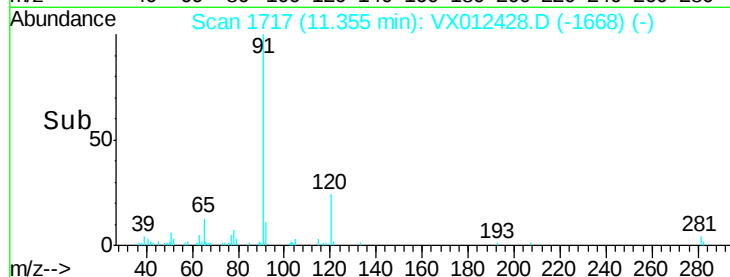
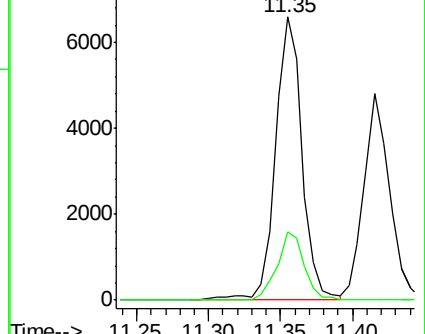
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.969 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012428.D

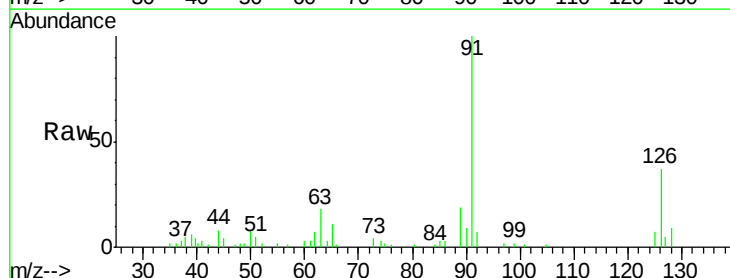
Acq: 17 Sep 2019 11:59

Tgt Ion: 91 Resp: 6054

Ion Ratio Lower Upper

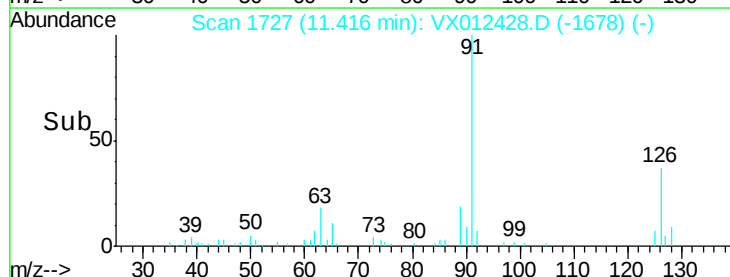
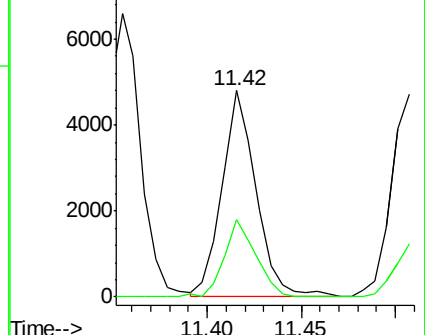
91 100

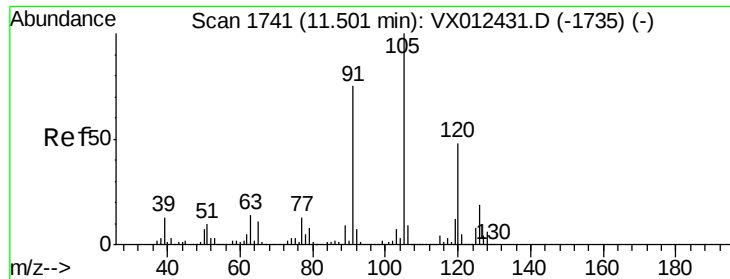
126 34.3 16.4 49.4



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: 0.863 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 6470

Ion Ratio Lower Upper

105 100

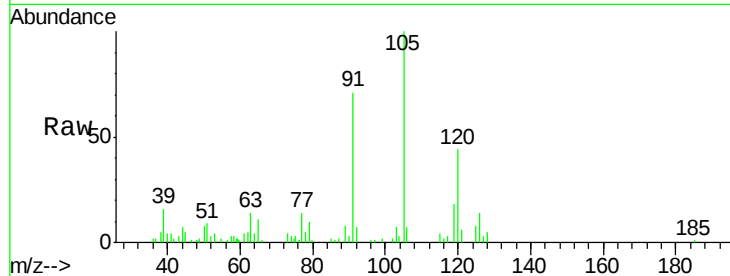
120 50.5 24.3 72.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.50

6000

5000

4000

3000

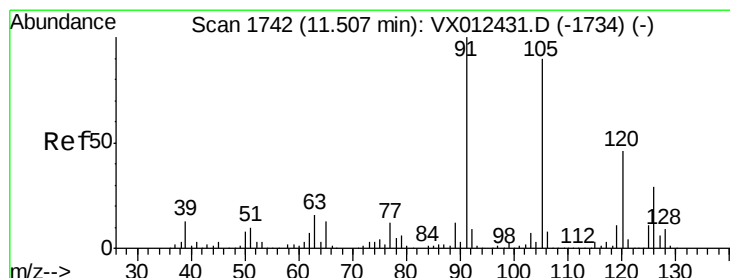
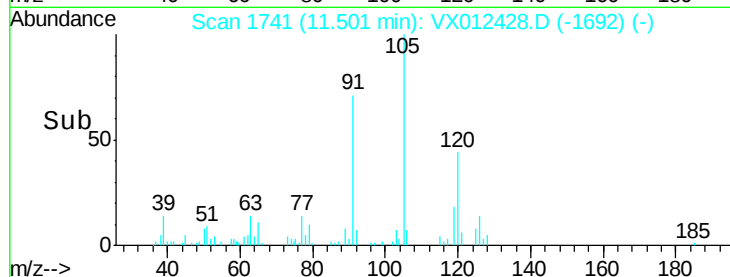
2000

1000

0

Time-->

11.45 11.50 11.55



#82

4-Chlorotoluene

Concen: 0.893 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012428.D

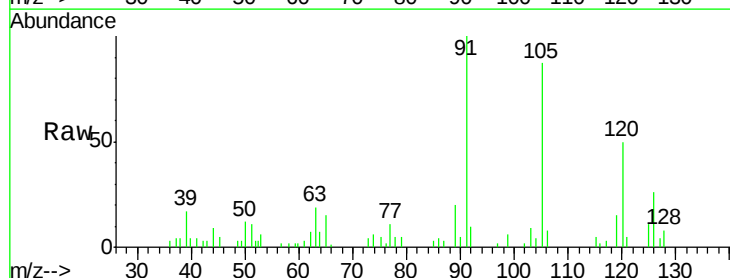
Acq: 17 Sep 2019 11:59

Tgt Ion: 91 Resp: 6494

Ion Ratio Lower Upper

91 100

126 26.6 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.51

5000

4000

3000

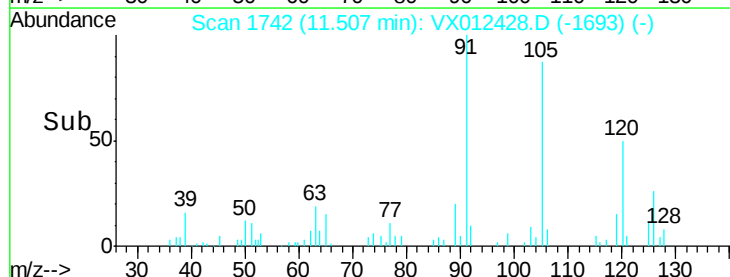
2000

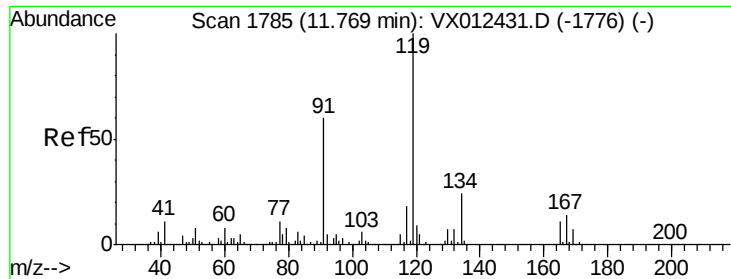
1000

0

Time-->

11.45 11.50 11.55





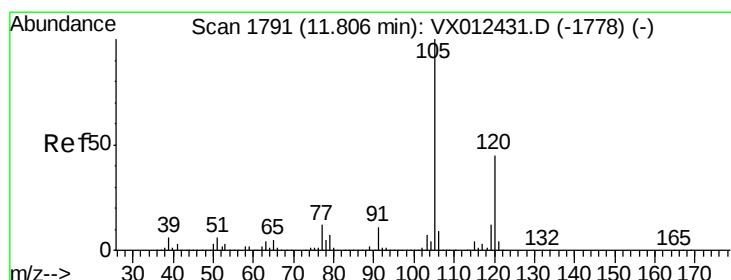
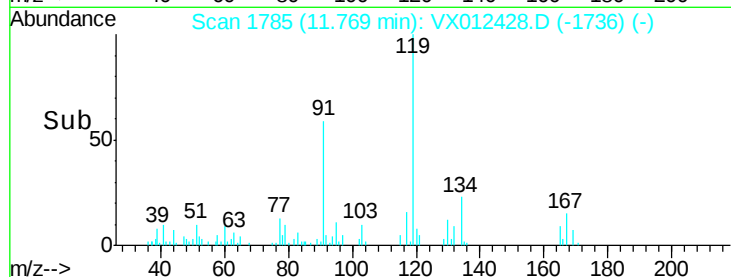
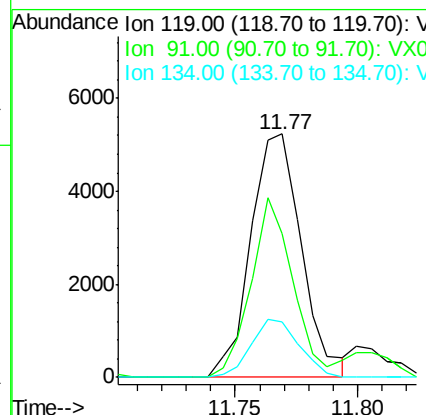
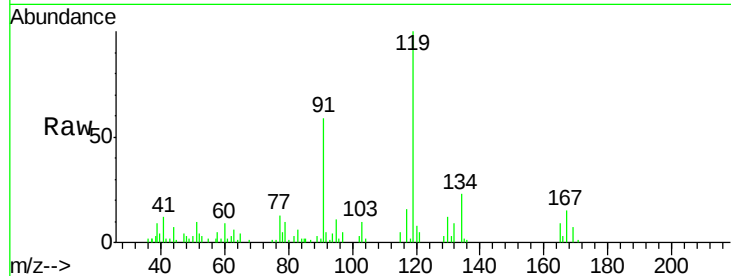
#83
tert-Butylbenzene
Concen: 0.949 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.0	90.0
134	22.5	11.3	33.9

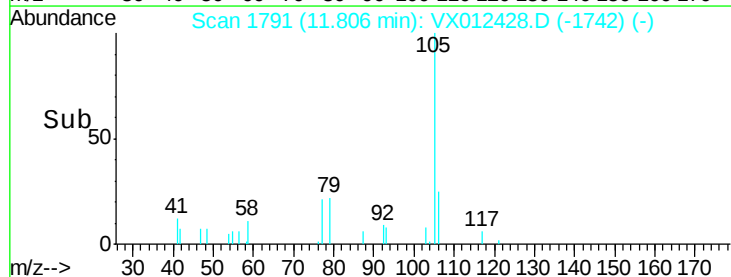
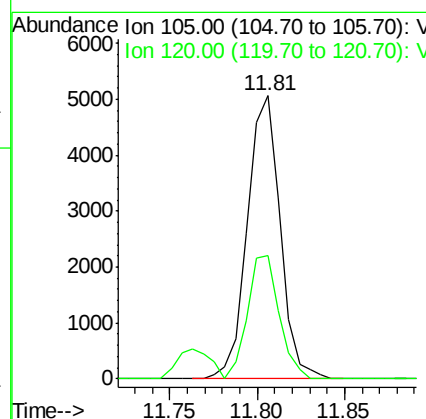
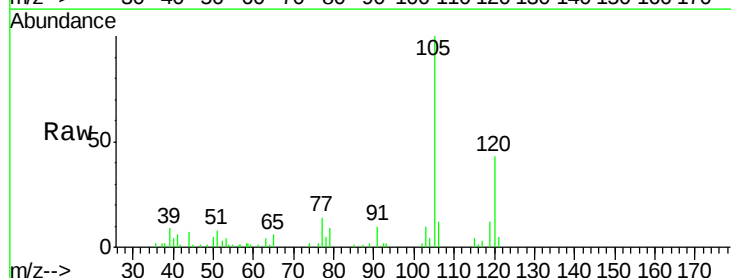
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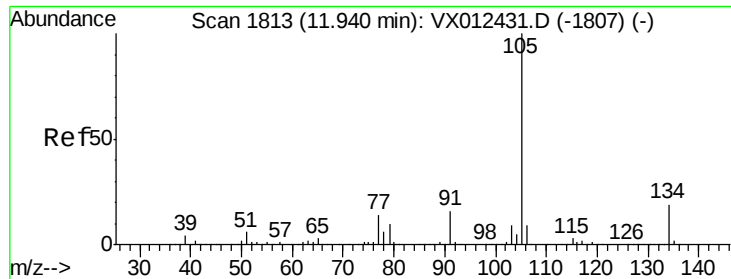
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 0.870 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.9	22.2	66.6





#85

sec-Butylbenzene

Concen: 0.833 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 7330

Ion Ratio Lower Upper

105 100

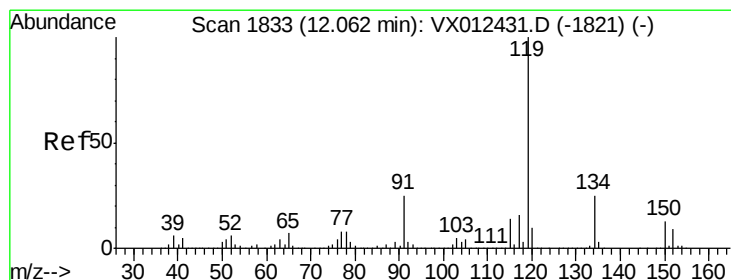
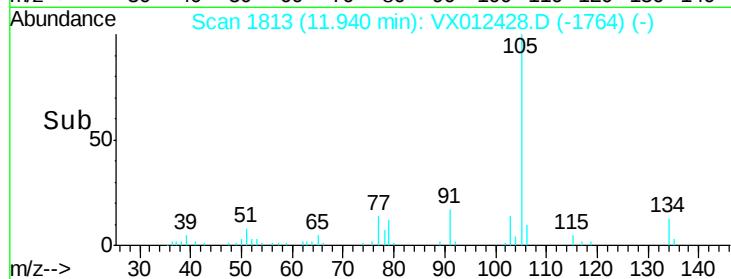
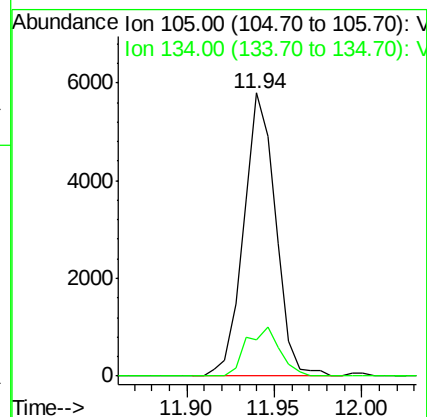
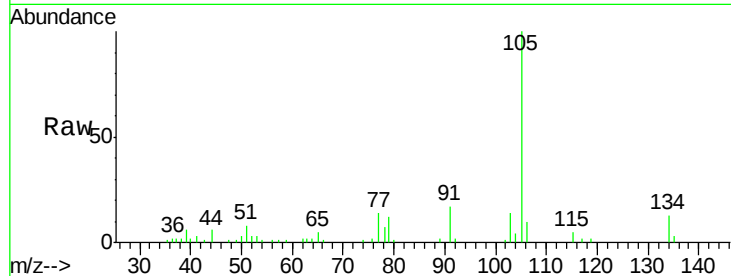
134 18.1 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 0.849 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

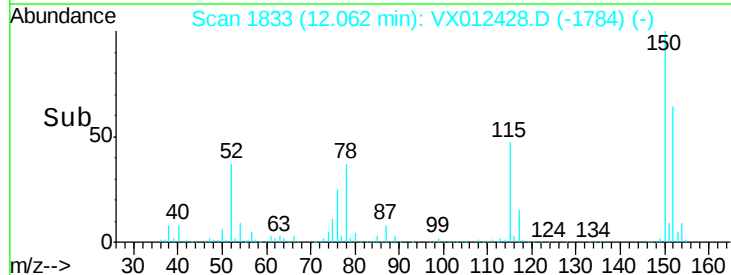
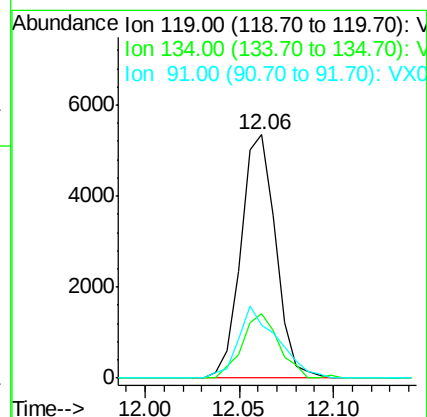
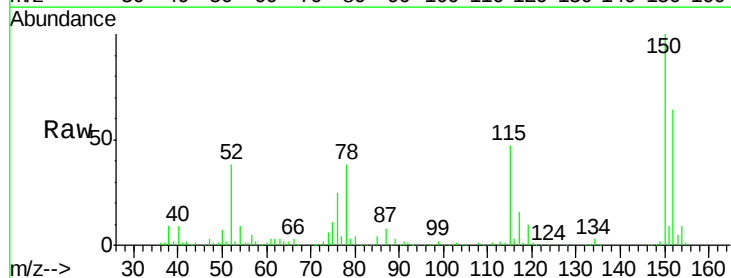
Tgt Ion:119 Resp: 6837

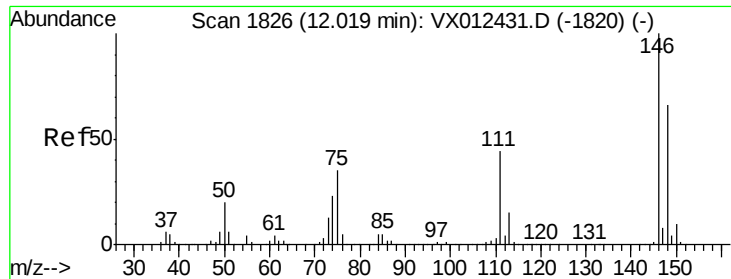
Ion Ratio Lower Upper

119 100

134 27.9 12.7 38.1

91 33.1 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 0.865 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

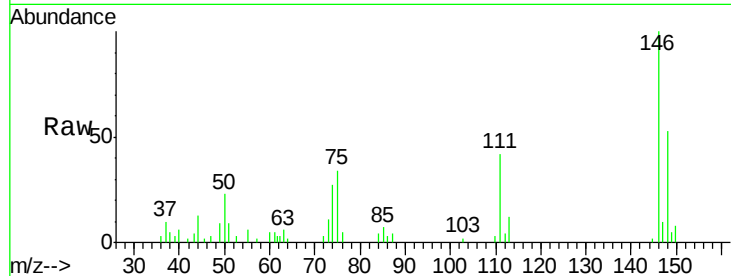
ClientSampleId :

VSTDIC001

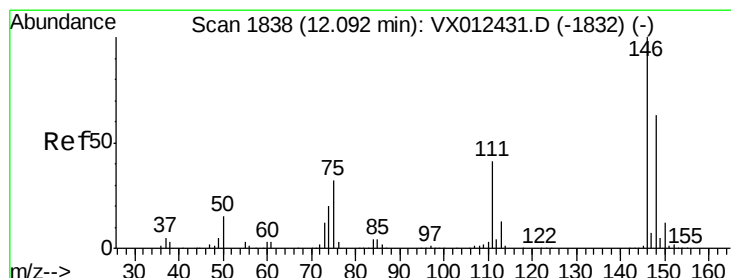
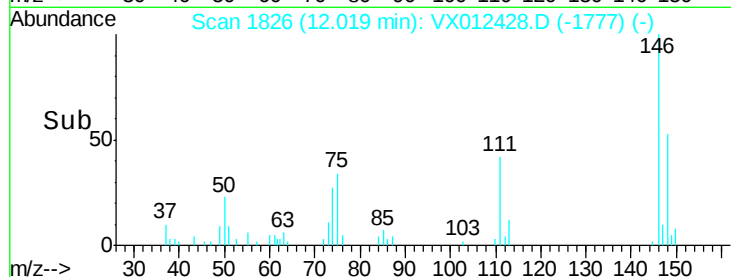
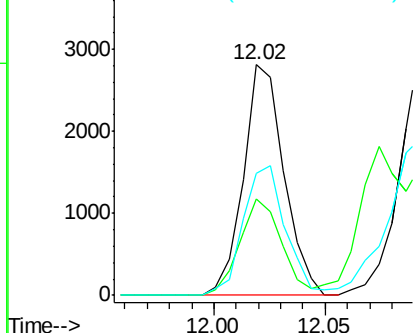
Tot Ion:	146	Resp:	3586
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	64.0
148	58.9	32.4	97.2

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.916 ug/l m

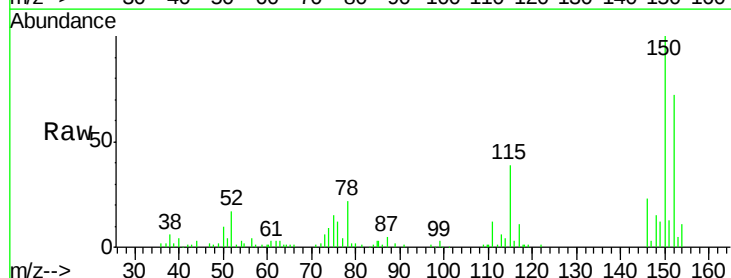
RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

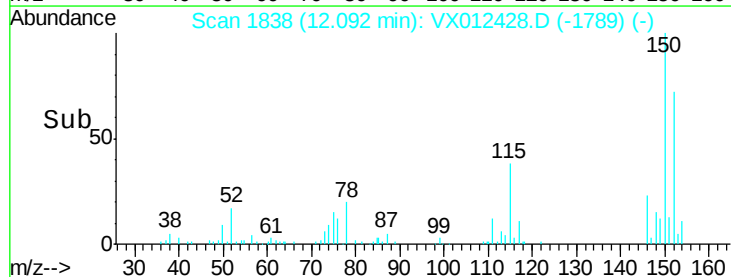
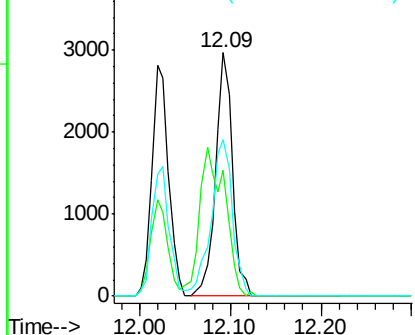
Lab File: VX012428.D

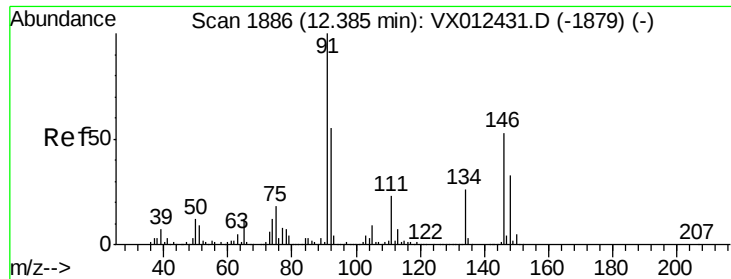
Acq: 17 Sep 2019 11:59

Tgt Ion:	146	Resp:	3831
Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.1	63.3
148	55.1	32.1	96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





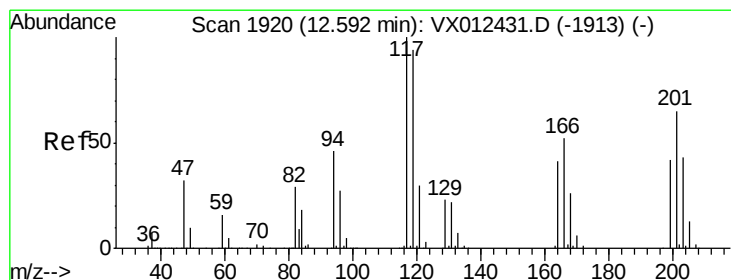
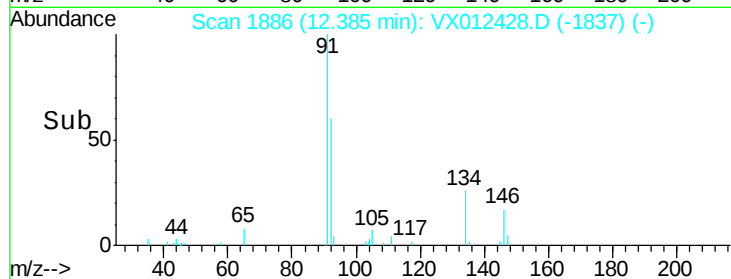
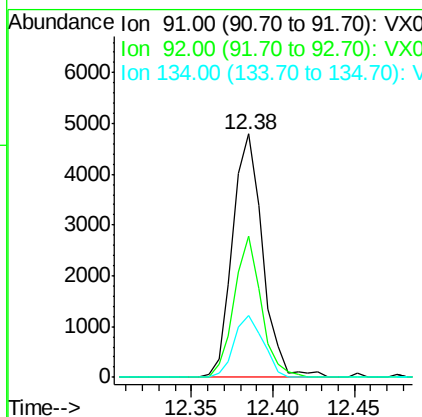
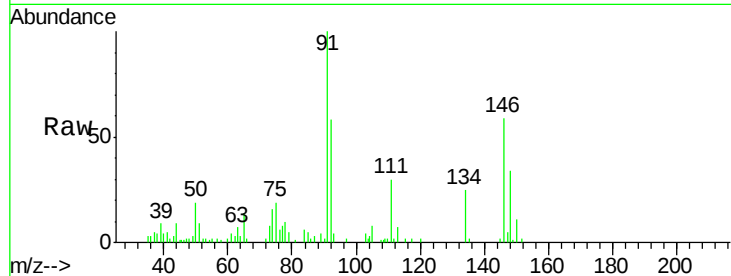
#89
n-Butylbenzene
Concen: 0.865 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	27.7	83.0
134	24.4	12.9	38.6

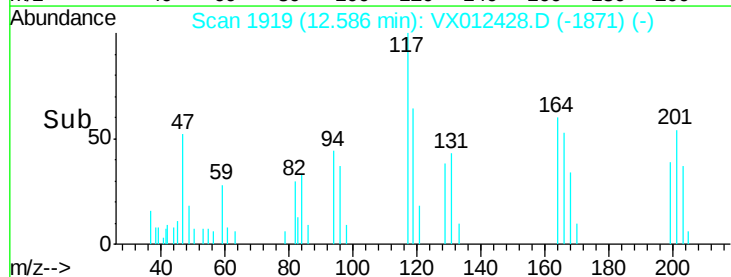
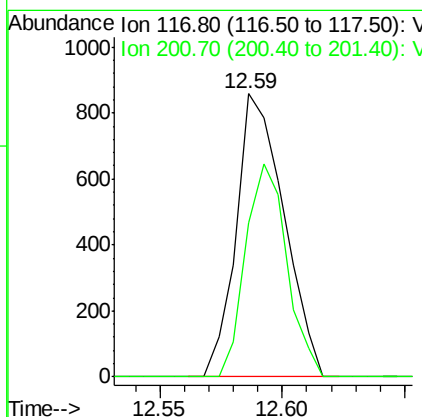
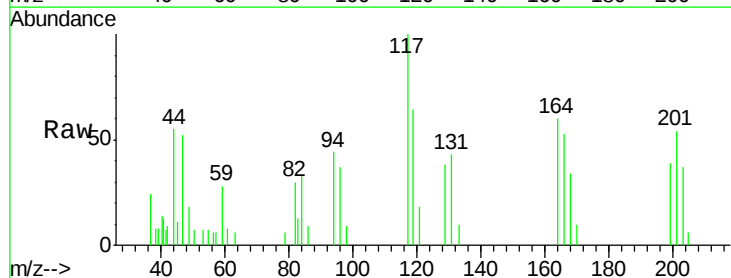
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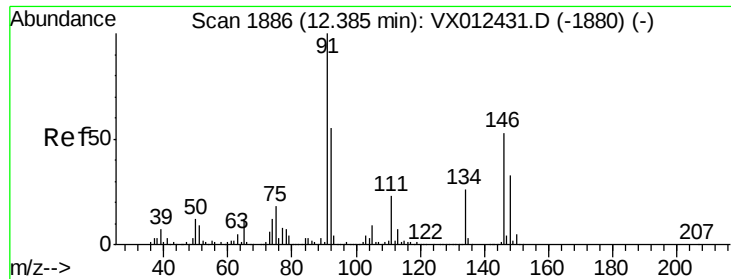
MMDadoda
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#90
Hexachloroethane
Concen: 0.747 ug/l
RT: 12.59 min Scan# 1919
Delta R.T. -0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.9	33.3	99.8





#91

1,2-Dichlorobenzene

Concen: 0.905 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

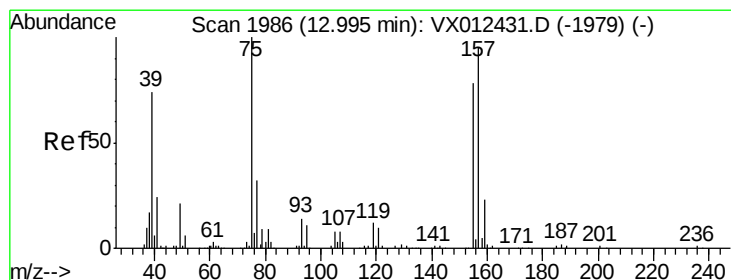
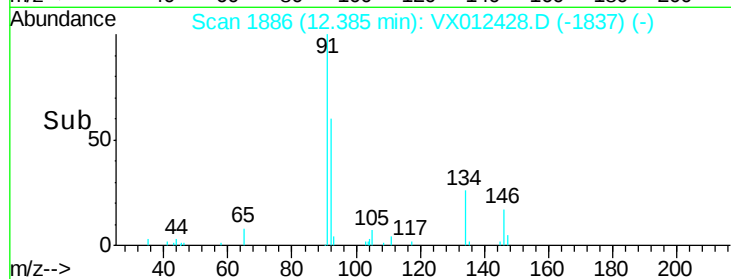
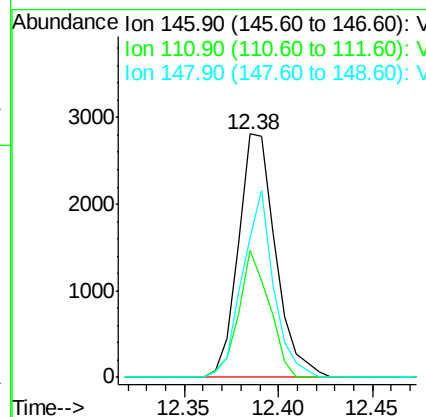
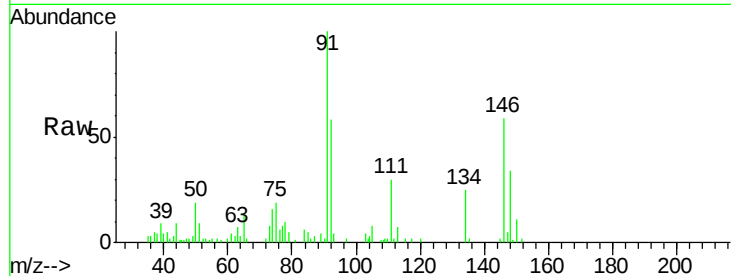
ClientSampled :

VSTDIC001

Tot Ion:	146	Resp:	3846
Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.1	66.1
148	64.1	31.3	93.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 0.804 ug/l

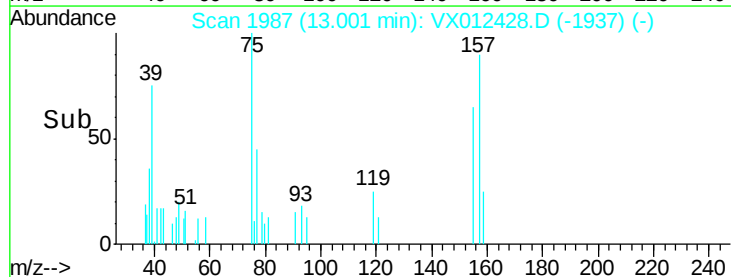
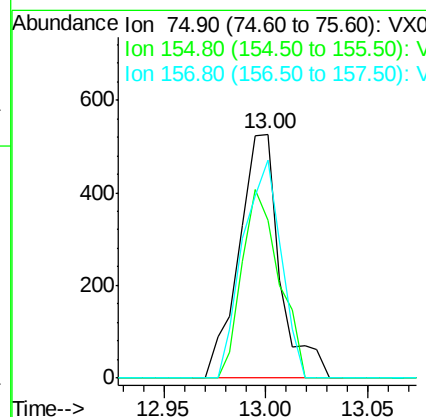
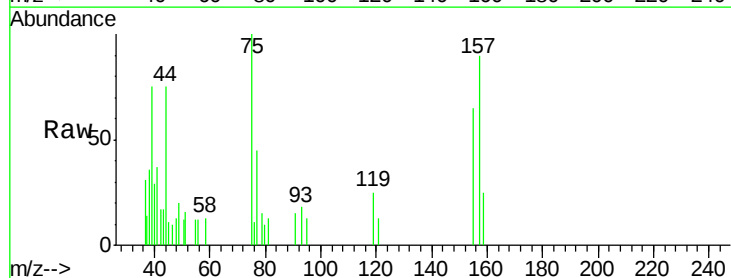
RT: 13.00 min Scan# 1987

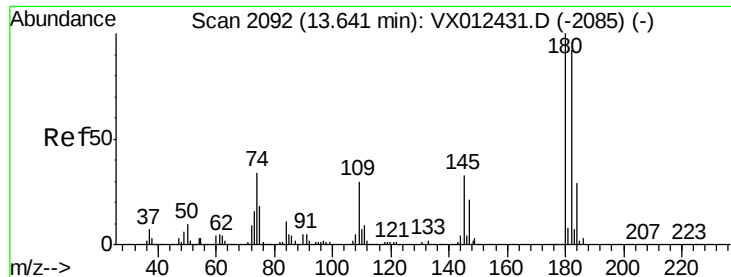
Delta R.T. 0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Tgt Ion:	75	Resp:	736
Ion	Ratio	Lower	Upper
75	100		
155	69.8	38.6	115.8
157	83.0	50.6	151.9





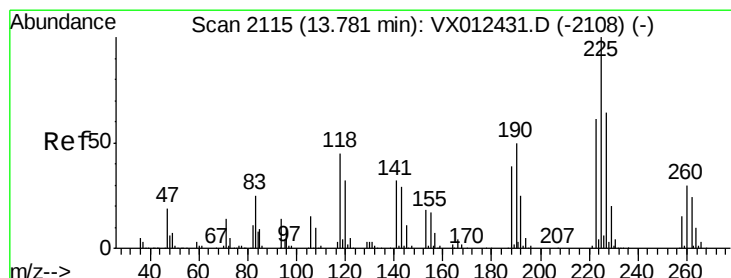
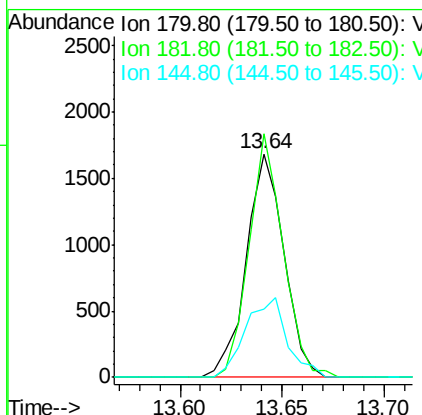
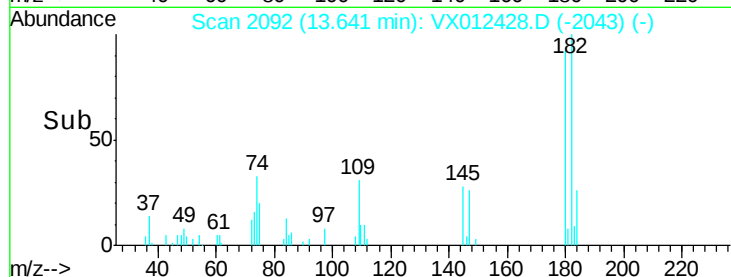
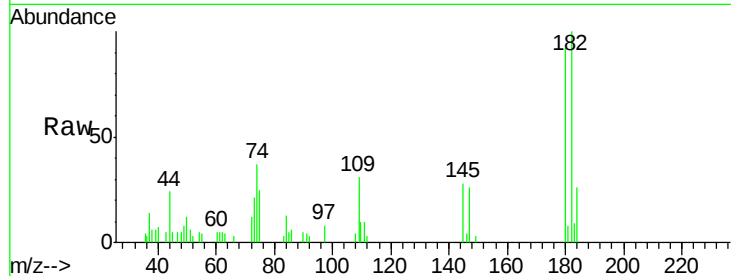
#93
 1,2,4-Trichlorobenzene
 Concen: 0.766 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.0	141.0
145	39.0	16.8	50.4

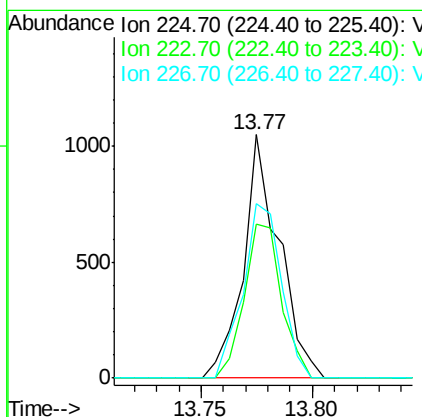
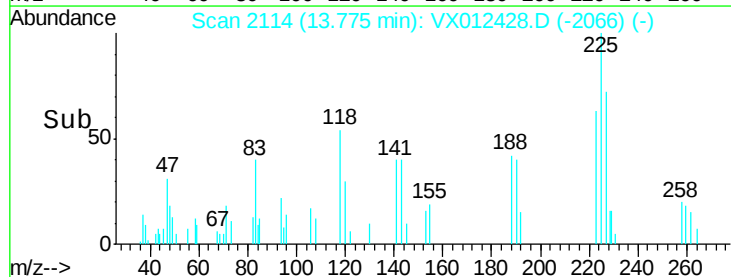
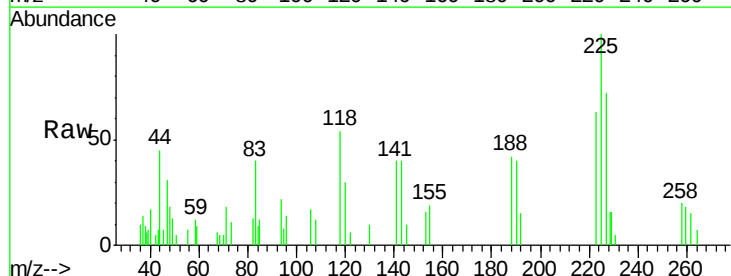
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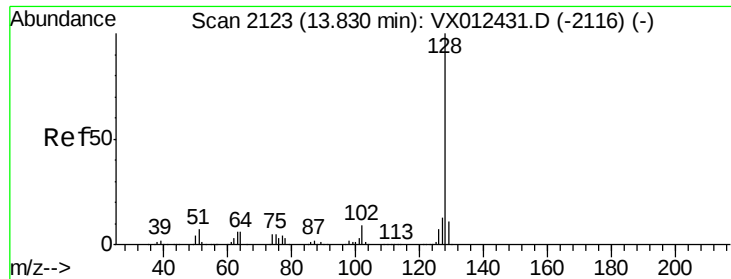
MMDadoda
 9/18/2019 11:22:02 AM



#94
 Hexachlorobutadiene
 Concen: 0.864 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.4	32.0	96.2
227	77.7	31.9	95.5





#95

Naphthalene

Concen: 0.727 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Instrument :

MSVOA_X

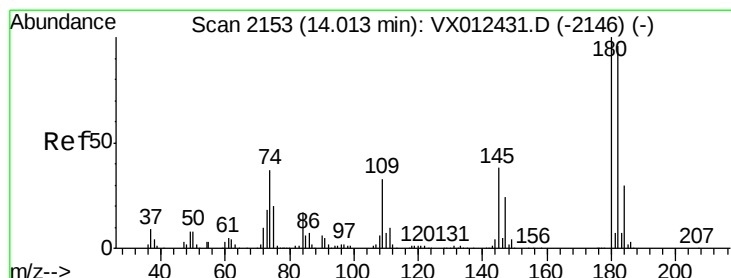
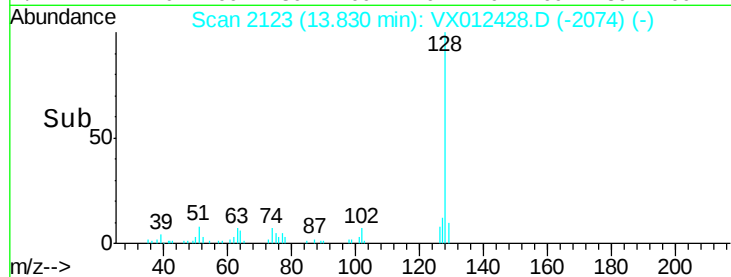
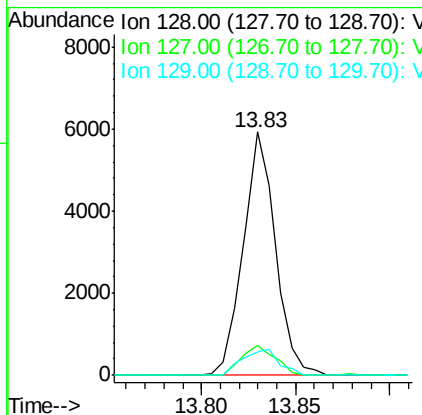
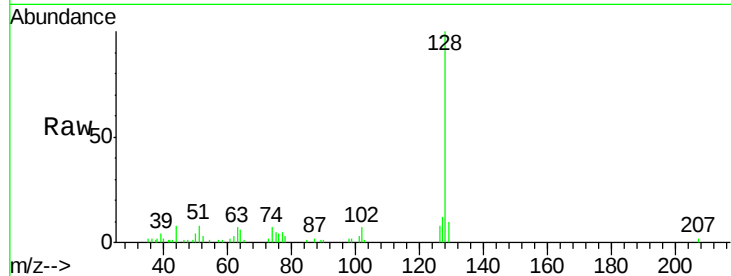
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	7035
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	12.2	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 0.797 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX012428.D

Acq: 17 Sep 2019 11:59

Tgt Ion:	180	Resp:	2248
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.1	141.3
145	42.0	18.0	54.0

