

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080219\
 Data File : VX011295.D
 Acq On : 02 Aug 2019 11:26
 Operator : JC/SP
 Sample : VX0802MBS01
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 12:11:45 PM

Quant Time: Aug 03 06:24:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	151222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	221710	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	203269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	70475	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
35) Dibromofluoromethane	5.49	113	67254	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
50) Toluene-d8	8.71	98	252070	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
62) 4-Bromofluorobenzene	11.13	95	87203	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	22983	19.678	ug/l	100
3) Chloromethane	1.32	50	25429	19.388	ug/l	99
4) Vinyl Chloride	1.40	62	28703	19.895	ug/l	97
5) Bromomethane	1.63	94	22877	22.234	ug/l	93
6) Chloroethane	1.71	64	19502	20.277	ug/l	100
7) Trichlorofluoromethane	1.92	101	51997	20.270	ug/l	94
8) Diethyl Ether	2.18	74	18066	19.723	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28000	20.173	ug/l	99
10) Methyl Iodide	2.50	142	31942	18.254	ug/l	97
11) Tert butyl alcohol	3.03	59	33312	109.709	ug/l	99
12) 1,1-Dichloroethene	2.37	96	27266	19.817	ug/l	96
13) Acrolein	2.28	56	19396	102.527	ug/l	99
14) Allyl chloride	2.72	41	37243	20.304	ug/l	99
15) Acrylonitrile	3.14	53	76060	104.958	ug/l	100
16) Acetone	2.43	43	69180	95.439	ug/l	95
17) Carbon Disulfide	2.56	76	64225	19.892	ug/l	98
18) Methyl Acetate	2.76	43	33289	20.096	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	80744	19.914	ug/l	99
20) Methylene Chloride	2.85	84	30780	19.389	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	28732	19.741	ug/l	96
22) Diisopropyl ether	3.85	45	80919	20.073	ug/l	97
23) Vinyl Acetate	3.81	43	348847	104.332	ug/l	100
24) 1,1-Dichloroethane	3.69	63	47647	20.044	ug/l	100
25) 2-Butanone	4.67	43	102905	99.799	ug/l	97
26) 2,2-Dichloropropane	4.57	77	36099	19.536	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	33386	19.915	ug/l	97
28) Bromochloromethane	5.01	49	19564	18.053	ug/l	99
29) Tetrahydrofuran	5.12	42	64507	102.031	ug/l	98
30) Chloroform	5.20	83	51460	19.918	ug/l	96
31) Cyclohexane	5.57	56	38574	19.669	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	43697	19.744	ug/l	98
36) 1,1-Dichloropropene	5.79	75	35829	18.509	ug/l	97
37) Ethyl Acetate	4.82	43	37766	19.450	ug/l	98
38) Carbon Tetrachloride	5.78	117	38023	19.524	ug/l	91

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	42840	18.671	ug/l	98
40) Benzene	6.13	78	114088	19.751	ug/l	99
41) Methacrylonitrile	5.03	41	20529	19.359	ug/l	97
42) 1,2-Dichloroethane	6.19	62	38900	19.915	ug/l	99
43) Isopropyl Acetate	6.44	43	60005	19.330	ug/l	99
44) Trichloroethene	7.21	130	33417	19.113	ug/l	97
45) 1,2-Dichloropropane	7.51	63	28877	19.303	ug/l	100
46) Dibromomethane	7.66	93	21594	19.773	ug/l	96
47) Bromodichloromethane	7.89	83	35725	19.321	ug/l	99
48) Methyl methacrylate	7.77	41	28459	19.480	ug/l	99
49) 1,4-Dioxane	7.74	88	16568	391.182	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	205793	102.722	ug/l	99
52) Toluene	8.78	92	75562	19.785	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	36577	18.860	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	42713	19.776	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	30603	19.489	ug/l	98
56) Ethyl methacrylate	9.18	69	43808	19.577	ug/l	98
57) 1,3-Dichloropropane	9.37	76	48562	19.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	99730	90.641	ug/l	99
59) 2-Hexanone	9.49	43	155406	100.148	ug/l	100
60) Dibromochloromethane	9.58	129	30751	19.128	ug/l	98
61) 1,2-Dibromoethane	9.67	107	33524	19.760	ug/l	98
64) Tetrachloroethene	9.34	164	33891	19.633	ug/l	95
65) Chlorobenzene	10.13	112	85670	19.656	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	29991	20.100	ug/l	99
67) Ethyl Benzene	10.25	91	141230	19.349	ug/l	100
68) m/p-Xylenes	10.35	106	111841	39.614	ug/l	100
69) o-Xylene	10.69	106	54691	19.716	ug/l	99
70) Styrene	10.71	104	91292	19.889	ug/l	100
71) Bromoform	10.85	173	22477	18.728	ug/l #	96
73) Isopropylbenzene	11.02	105	144623	20.067	ug/l	99
74) N-amyl acetate	10.90	43	53660	20.606	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	48151	20.048	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	39471m	20.568	ug/l	
77) Bromobenzene	11.25	156	39528	19.779	ug/l	98
78) n-propylbenzene	11.36	91	161014	20.090	ug/l	100
79) 2-Chlorotoluene	11.42	91	94655	19.815	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	120435	19.963	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	11787	19.444	ug/l	95
82) 4-Chlorotoluene	11.51	91	108441	19.478	ug/l	100
83) tert-Butylbenzene	11.77	119	118278	19.989	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	122067	20.322	ug/l	99
85) sec-Butylbenzene	11.94	105	142782	20.084	ug/l	99
86) p-Isopropyltoluene	12.06	119	131323	20.079	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	70671	20.014	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	70641	19.401	ug/l	97
89) n-Butylbenzene	12.38	91	108726	19.296	ug/l	100
90) Hexachloroethane	12.59	117	18260	18.885	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	70024	19.736	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9561	20.547	ug/l	98

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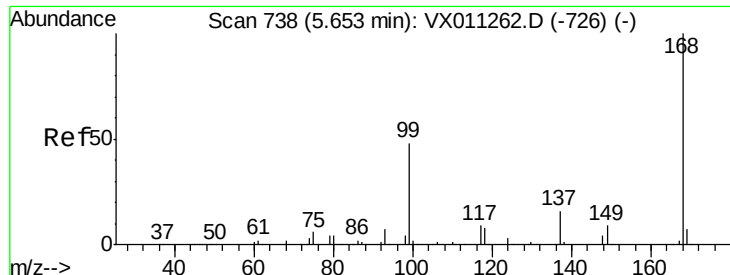
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
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QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	46104	19.594	ug/l	100
94) Hexachlorobutadiene	13.78	225	23007	19.272	ug/l	100
95) Naphthalene	13.83	128	141395	20.549	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	47953	20.046	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0802MBS01

Tot Ion:168 Resp: 151222

Ion Ratio Lower Upper

168 100

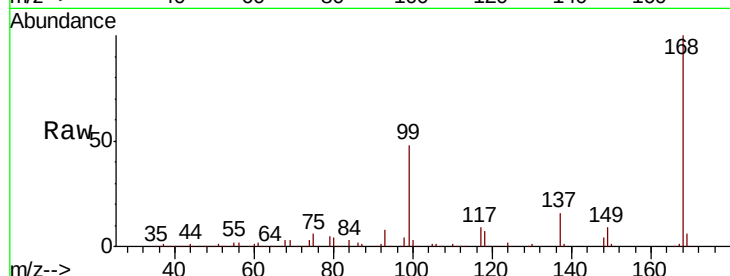
99 47.7 38.5 57.7

Manual Integrations

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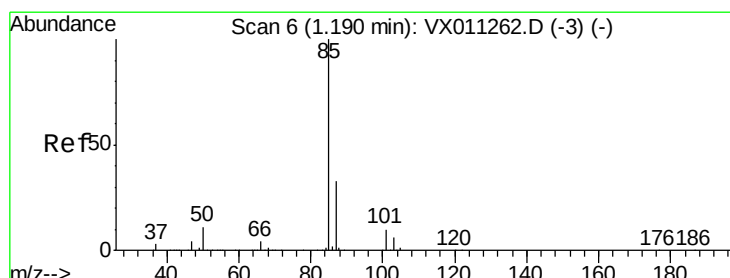
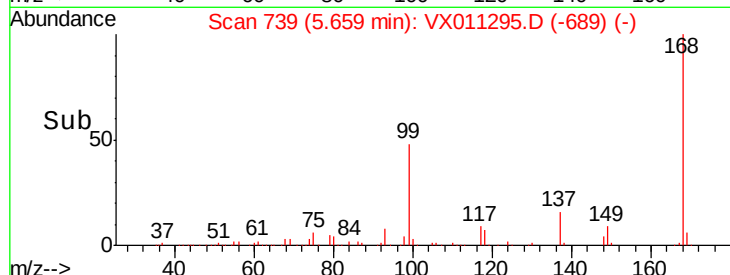
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.678 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011295.D

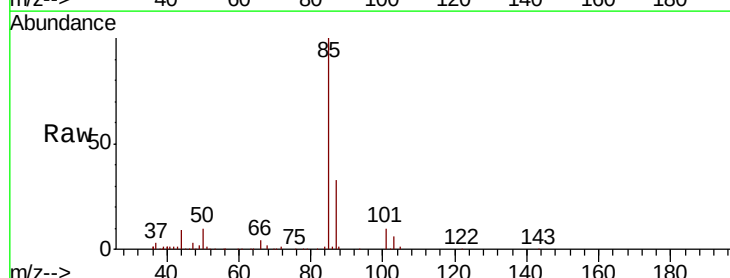
Acq: 02 Aug 2019 11:26

Tgt Ion: 85 Resp: 22983

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



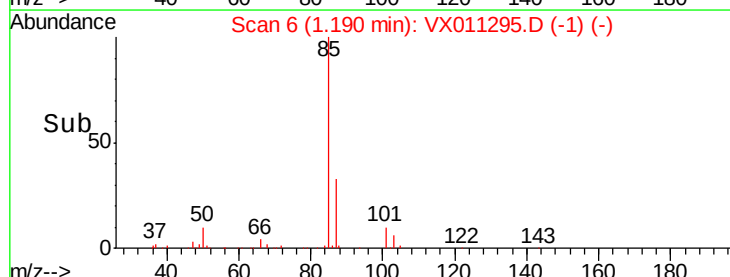
Abundance Ion 84.90 (84.60 to 85.60): VX0

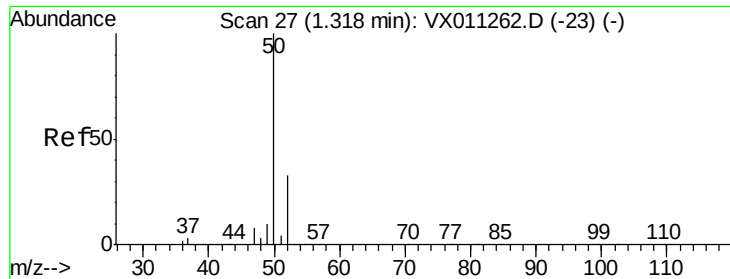
Ion 86.90 (86.60 to 87.60): VX0

1.19

1.15 1.25

Time-->





#3

Chloromethane

Concen: 19.388 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0802MBS01

Tot Ion: 50 Resp: 25429

Ion Ratio Lower Upper

50 100

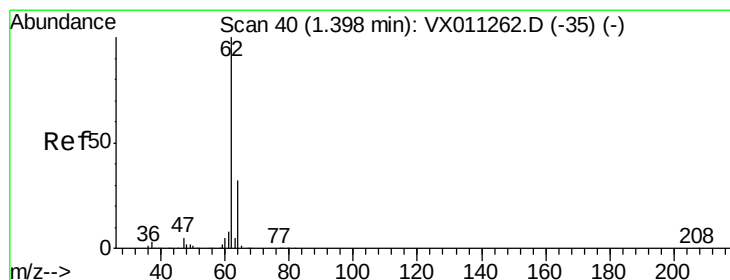
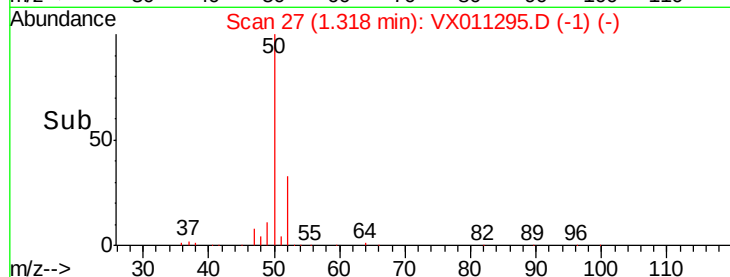
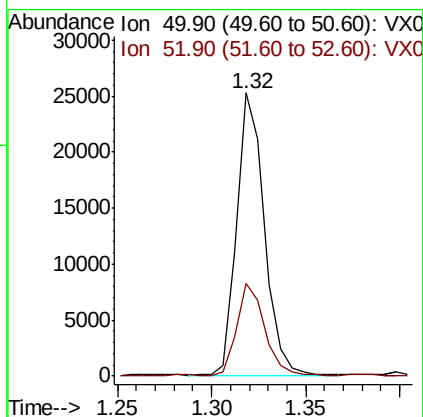
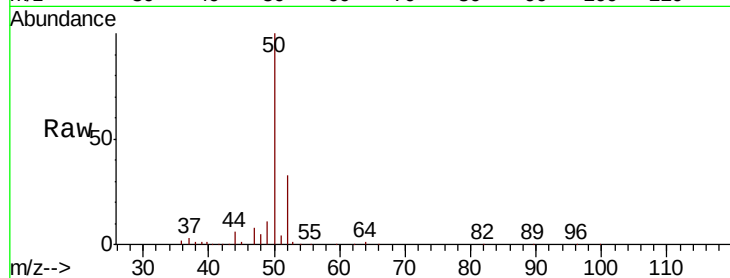
52 32.7 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.895 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011295.D

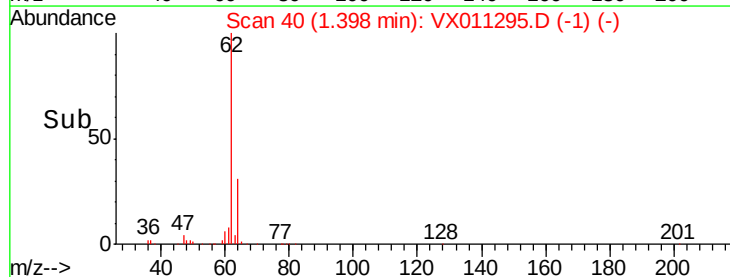
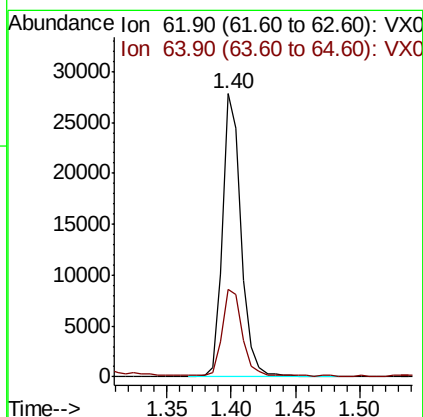
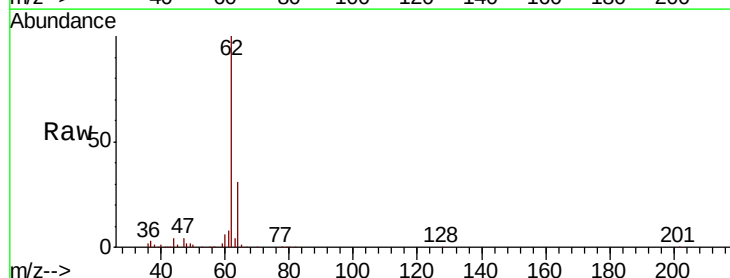
Acq: 02 Aug 2019 11:26

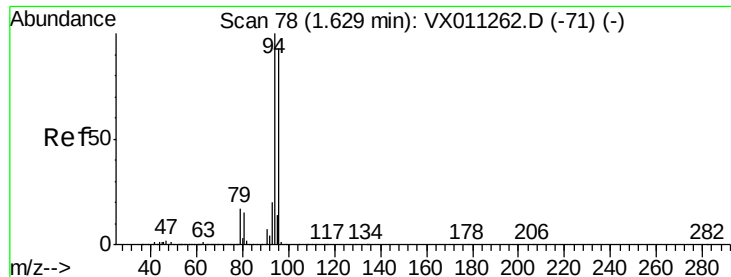
Tgt Ion: 62 Resp: 28703

Ion Ratio Lower Upper

62 100

64 30.7 26.0 39.0





#5

Bromomethane

Concen: 22.234 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0802MBS01

Tot Ion: 94 Resp: 22877

Ion Ratio Lower Upper

94 100

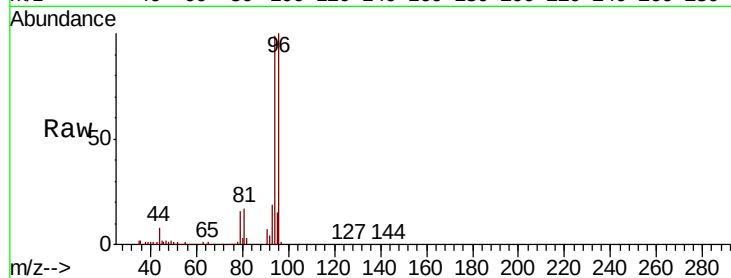
96 100.4 74.6 112.0

Manual Integrations

APPROVED

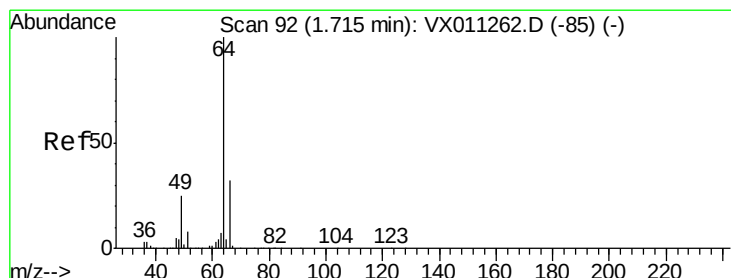
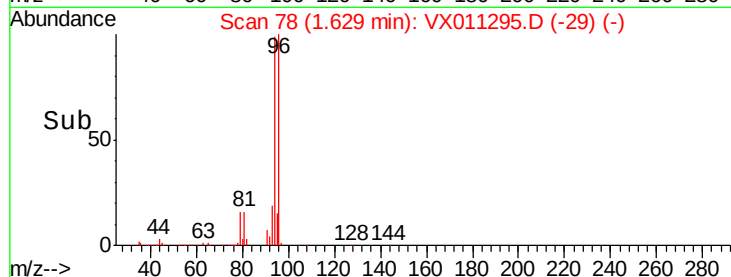
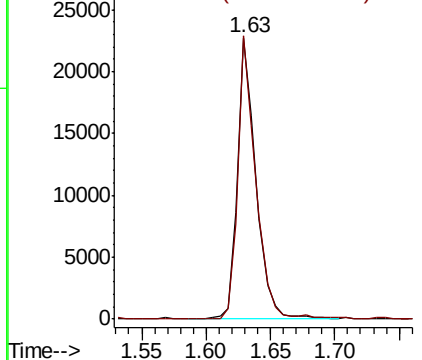
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.277 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011295.D

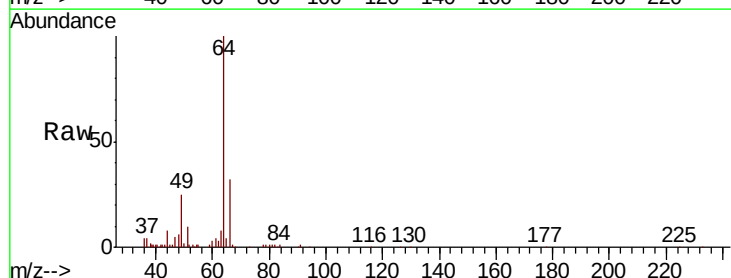
Acq: 02 Aug 2019 11:26

Tgt Ion: 64 Resp: 19502

Ion Ratio Lower Upper

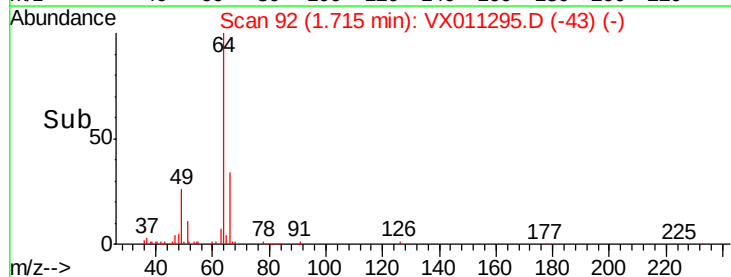
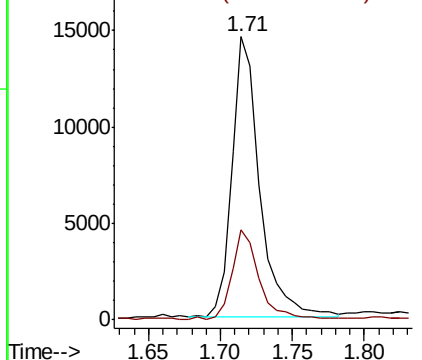
64 100

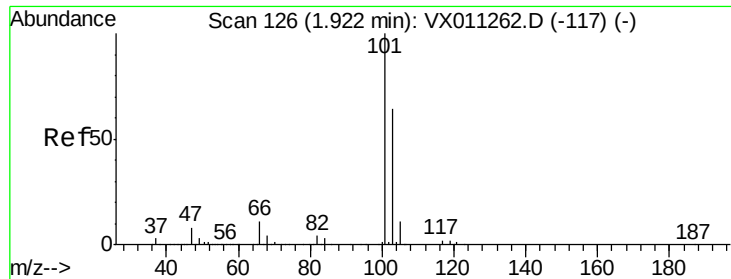
66 31.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

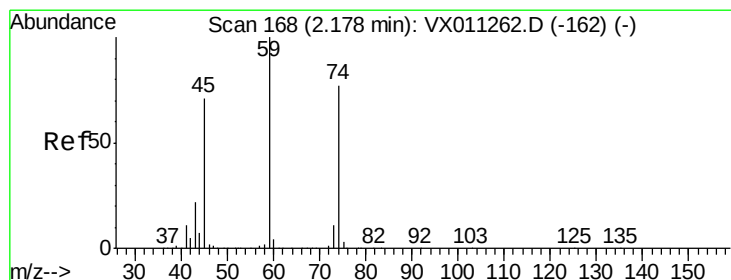
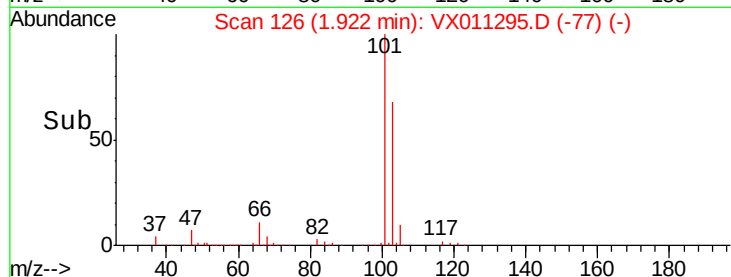
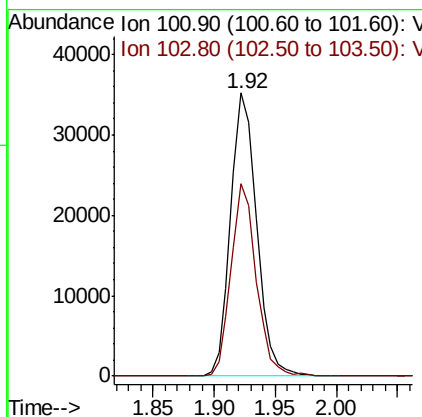
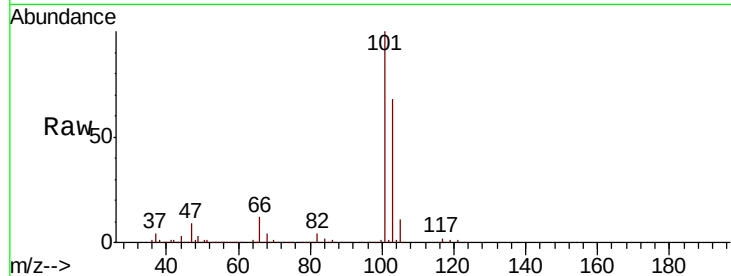
Trichlorofluoromethane
Concen: 20.270 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

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ClientSampleId :
VX0802MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.1	50.9	76.3

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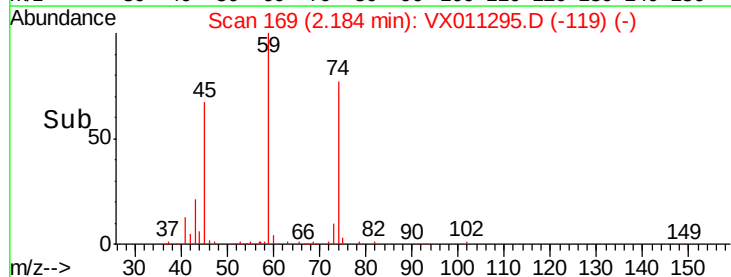
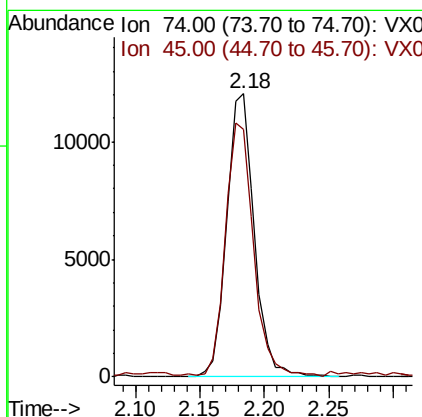
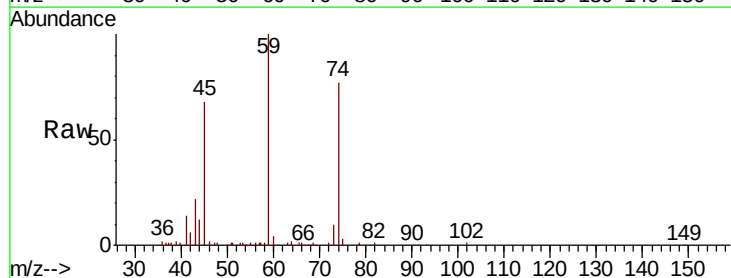
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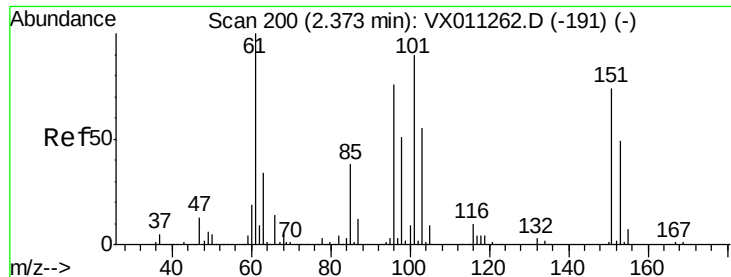


#8

Diethyl Ether
Concen: 19.723 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.8	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.173 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

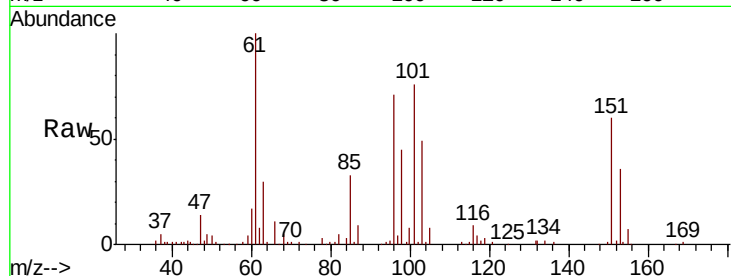
ClientSampleId :

VX0802MBS01

Tot Ion:	101	Resp:	28000
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.8	50.6
151	85.7	69.5	104.3

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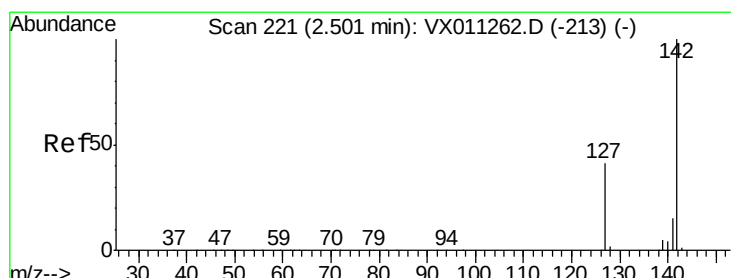
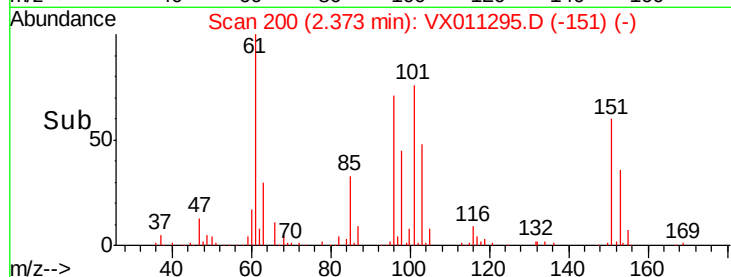
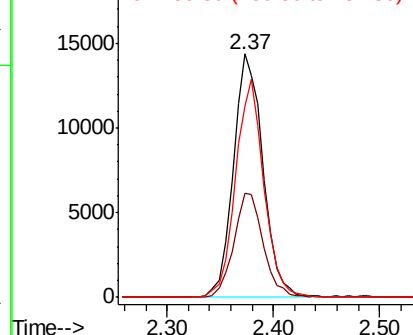


Abundance

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



#10

Methyl Iodide

Concen: 18.254 ug/l

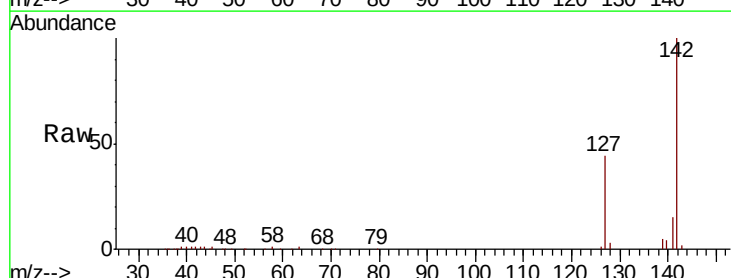
RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Tgt Ion:	142	Resp:	31942
Ion Ratio	Lower	Upper	
142	100		
127	44.0	33.8	50.8
141	15.3	11.4	17.2

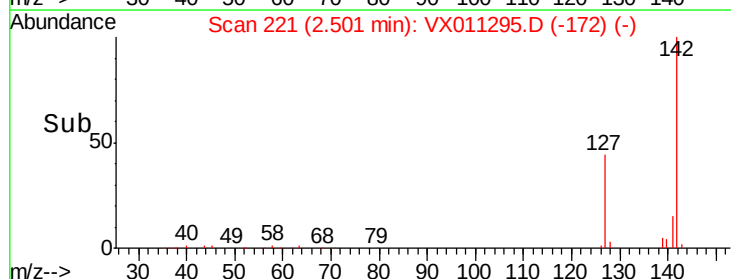
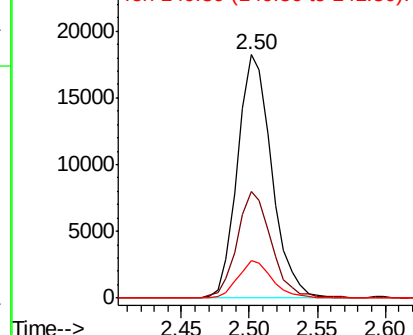


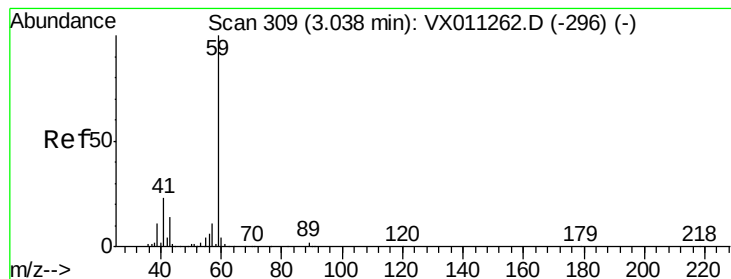
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

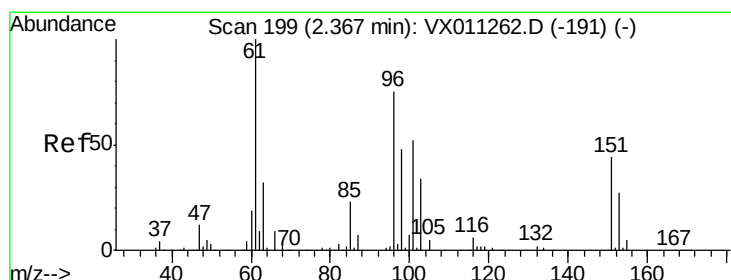
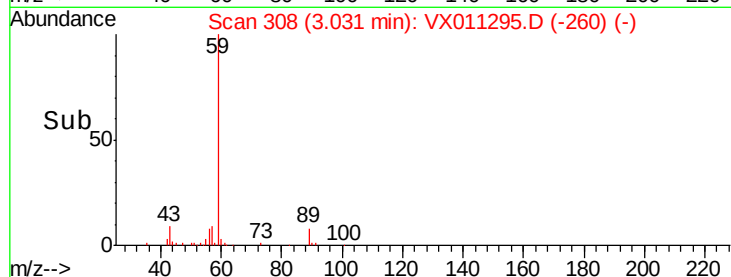
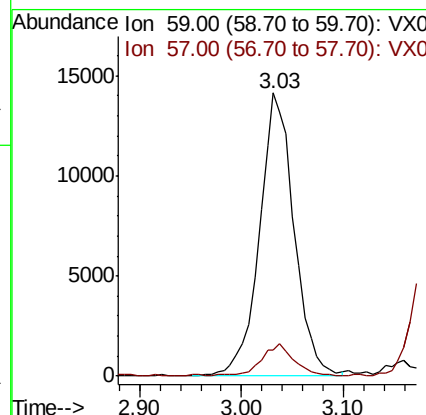
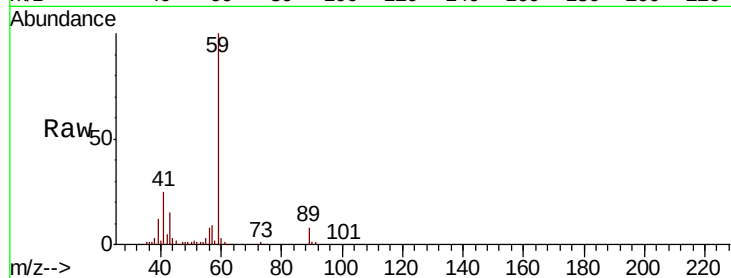
Tert butyl alcohol
Concen: 109.709 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0802MBS01

Tot Ion	59	Resp	33312
Ion Ratio	100	Lower	Upper
57	10.9	8.3	12.5

Manual Integrations
APPROVED

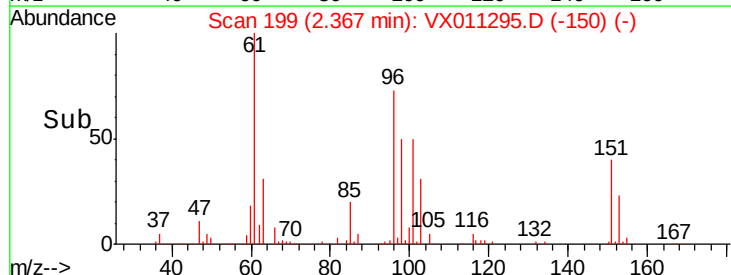
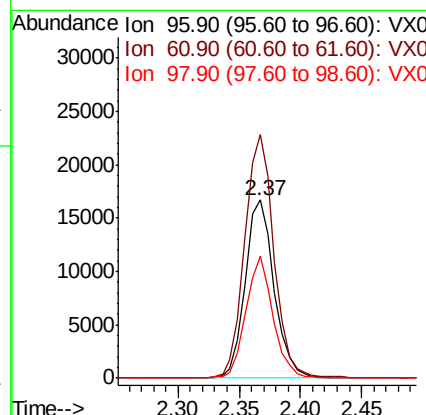
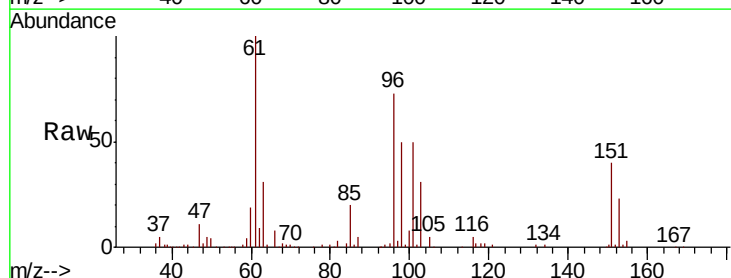
MMDadoda
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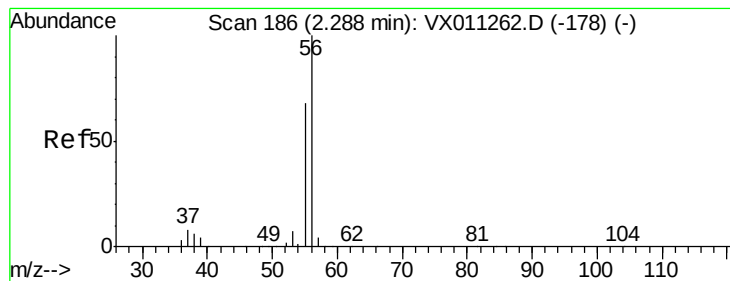


#12

1,1-Dichloroethene
Concen: 19.817 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion	96	Resp	27266
Ion Ratio	100	Lower	Upper
61	136.3	106.2	159.2
98	68.2	50.6	75.8





#13

Acrolein

Concen: 102.527 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0802MBS01

Tot Ion: 56 Resp: 19396

Ion Ratio Lower Upper

56 100

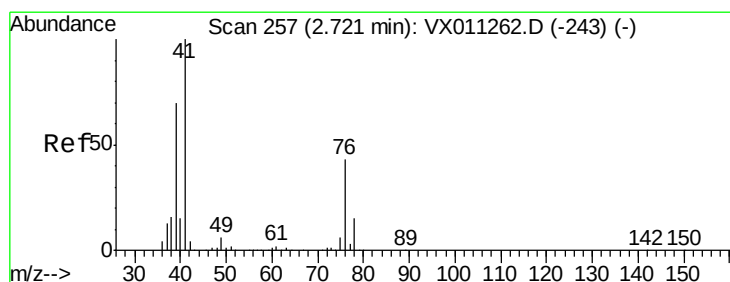
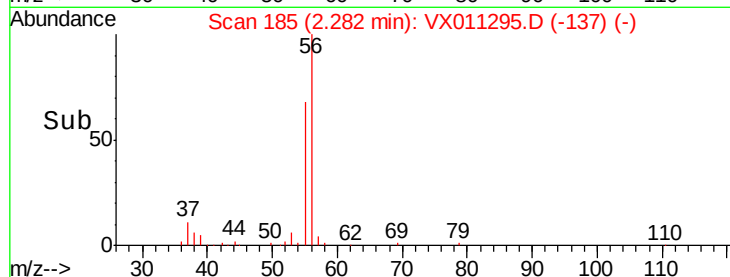
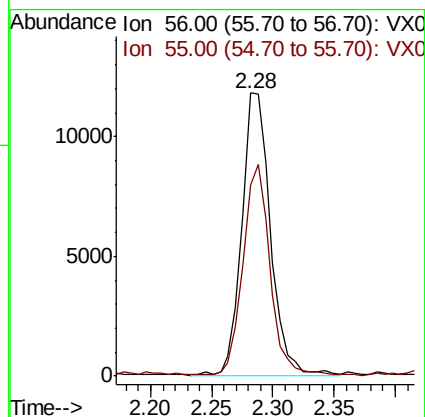
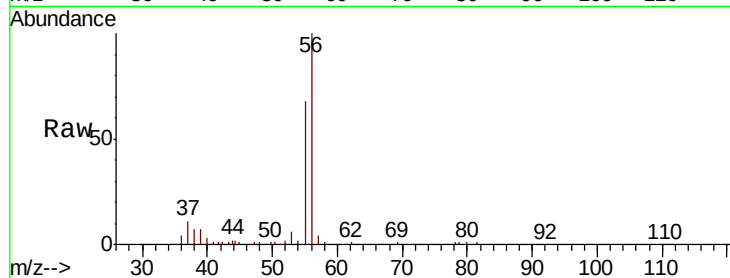
55 71.0 56.0 84.0

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 20.304 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

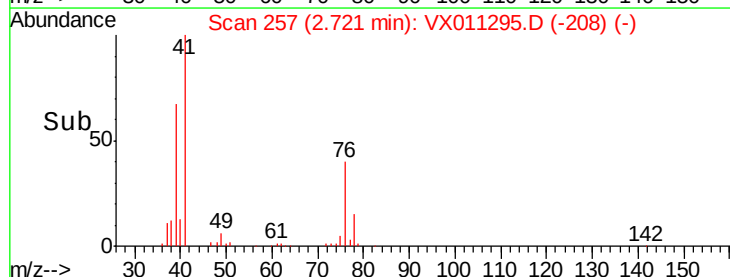
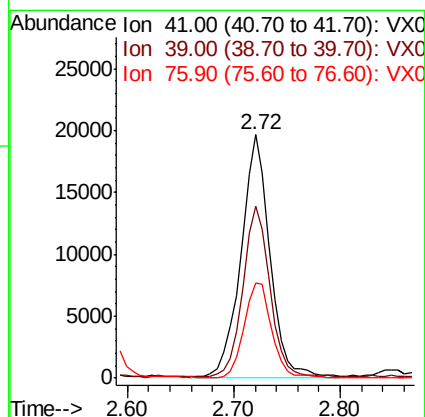
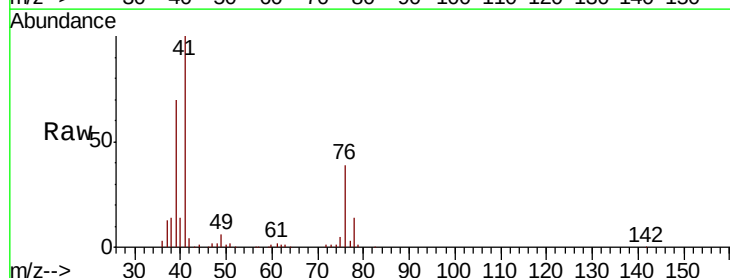
Tgt Ion: 41 Resp: 37243

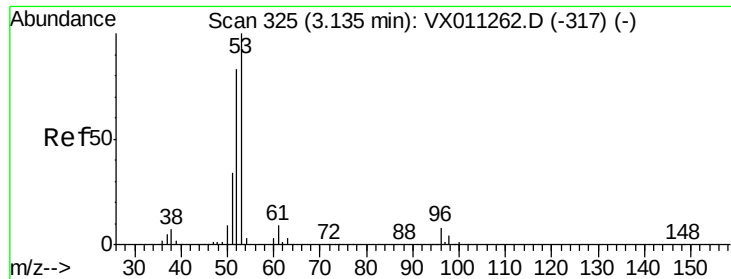
Ion Ratio Lower Upper

41 100

39 66.6 52.8 79.2

76 37.8 31.1 46.7





#15

Acrylonitrile

Concen: 104.958 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

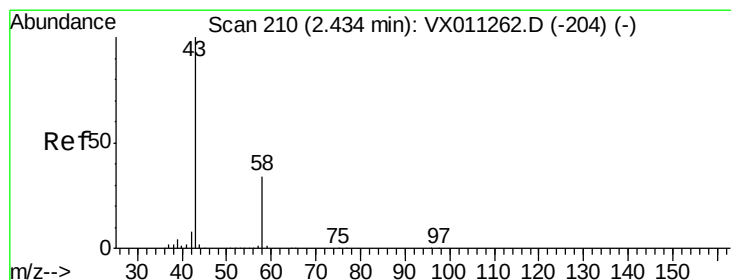
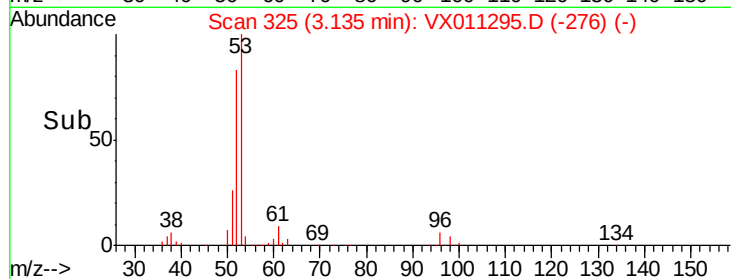
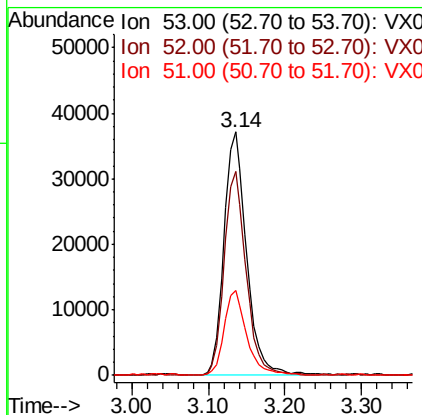
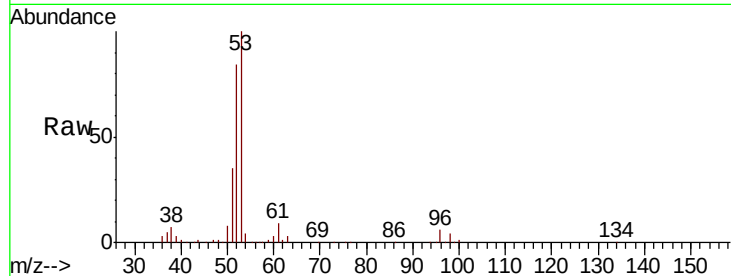
ClientSampled :

VX0802MBS01

Tot Ion:	53	Resp:	76060
Ion Ratio		Lower	Upper
53	100		
52	81.5	65.5	98.3
51	35.0	27.9	41.9

Manual Integrations
APPROVED

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#16

Acetone

Concen: 95.439 ug/l

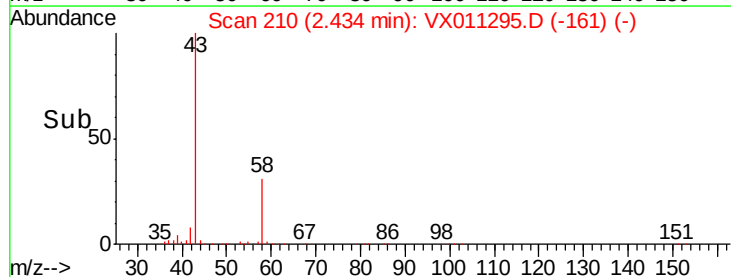
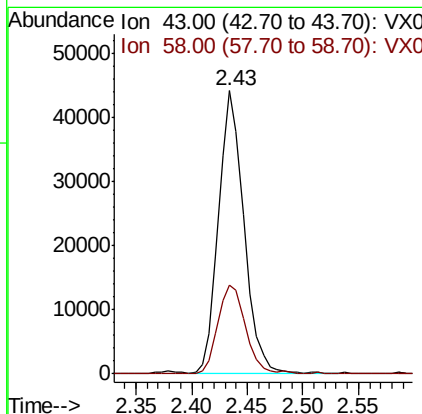
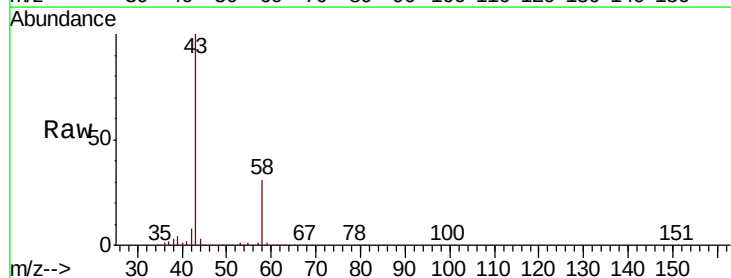
RT: 2.43 min Scan# 210

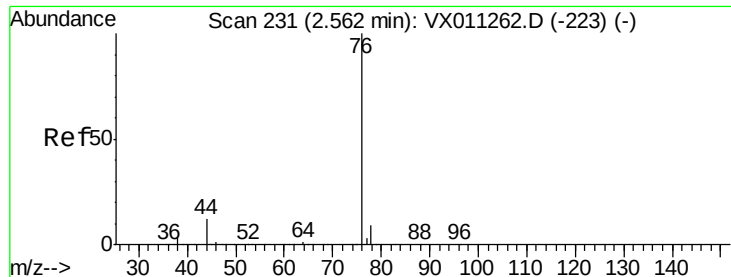
Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Tgt Ion:	43	Resp:	69180
Ion Ratio		Lower	Upper
43	100		
58	31.3	27.4	41.0





#17

Carbon Disulfide

Concen: 19.892 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0802MBS01

Tot Ion: 76 Resp: 64225

Ion Ratio Lower Upper

76 100

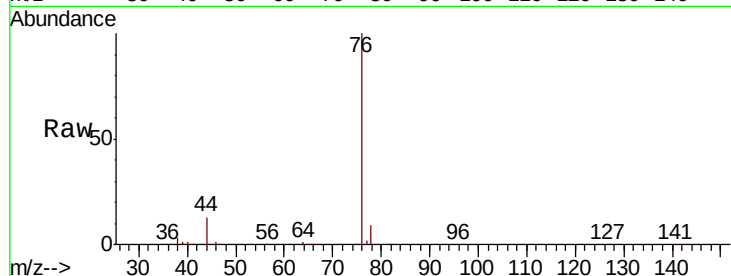
78 8.5 7.4 11.0

Manual Integrations

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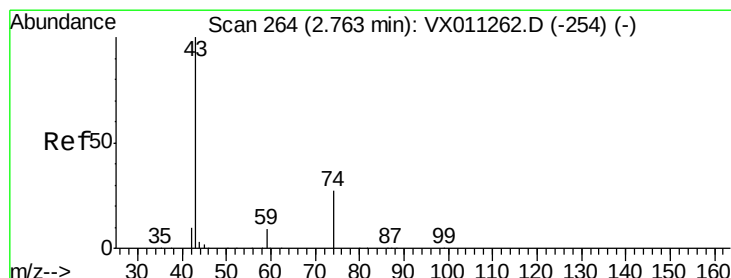
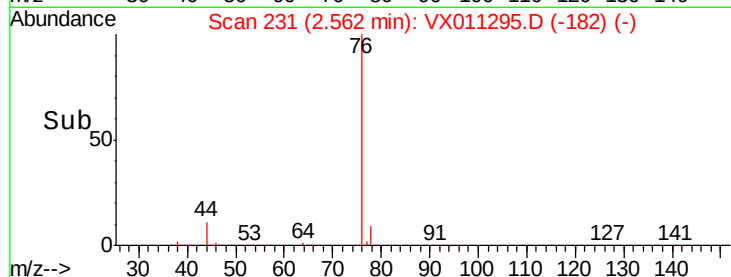
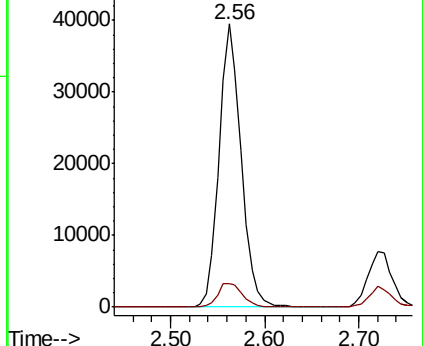
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.096 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011295.D

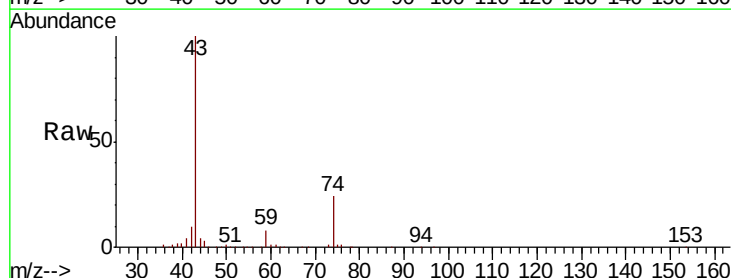
Acq: 02 Aug 2019 11:26

Tgt Ion: 43 Resp: 33289

Ion Ratio Lower Upper

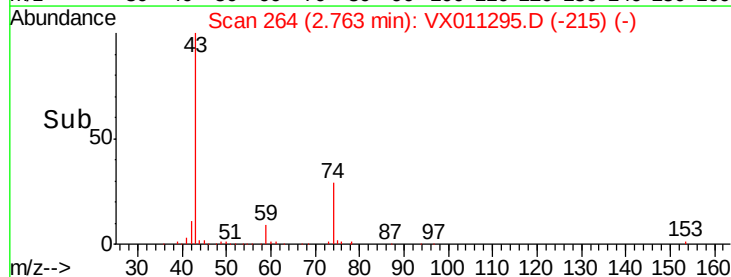
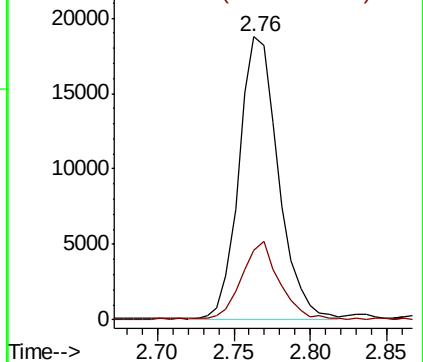
43 100

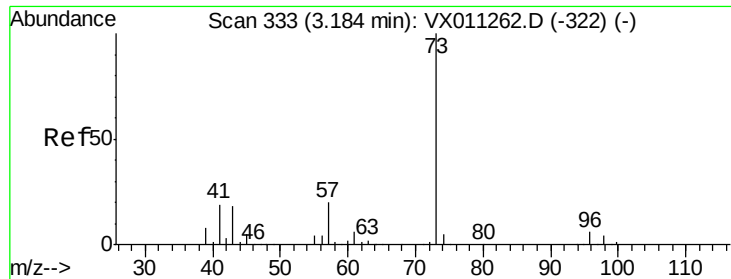
74 27.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





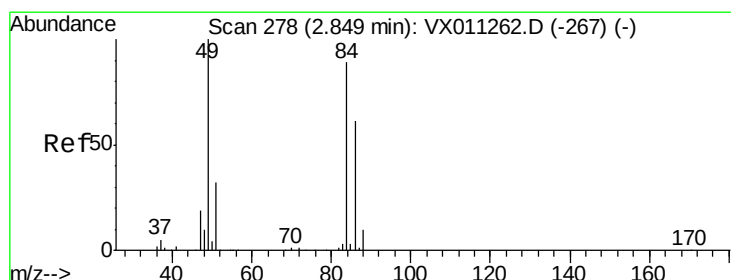
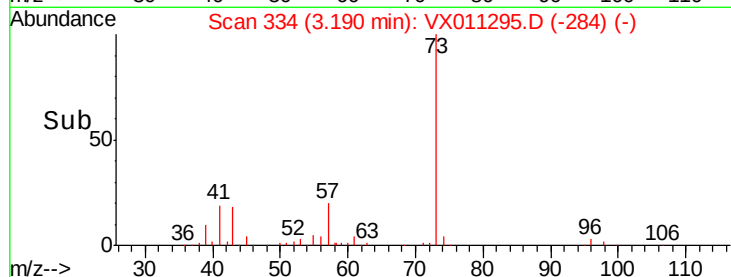
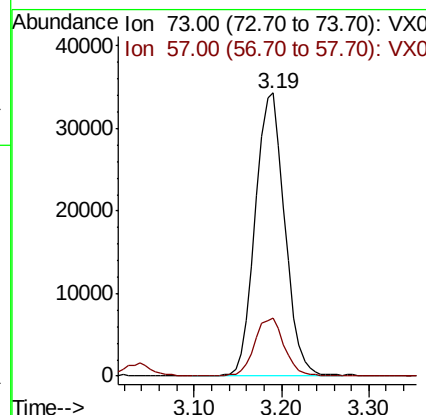
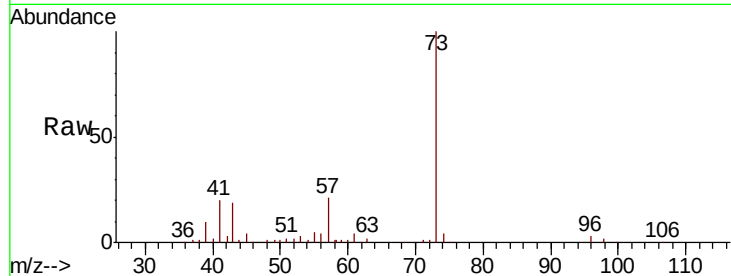
#19
Methyl tert-butyl Ether
Concen: 19.914 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0802MBS01

Tot Ion: 73 Resp: 80744
Ion Ratio Lower Upper
73 100
57 20.7 16.2 24.2

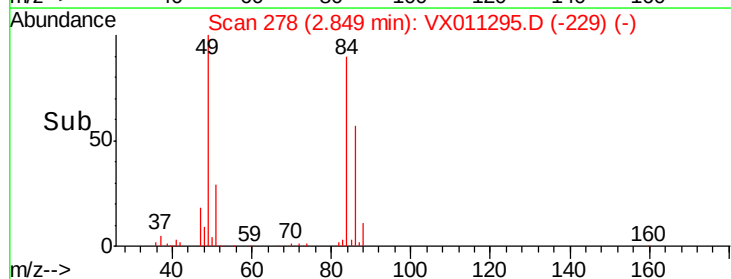
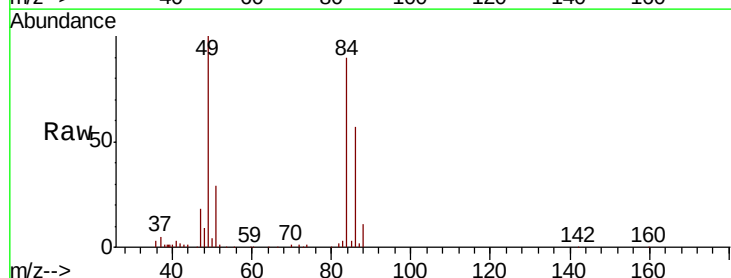
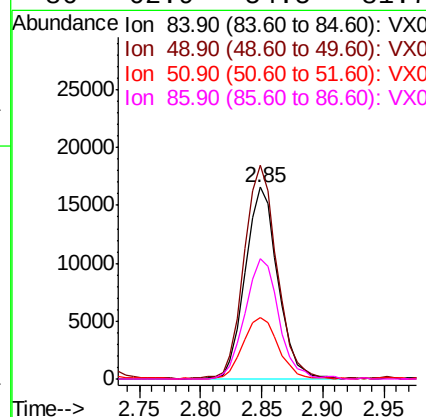
Manual Integrations
APPROVED

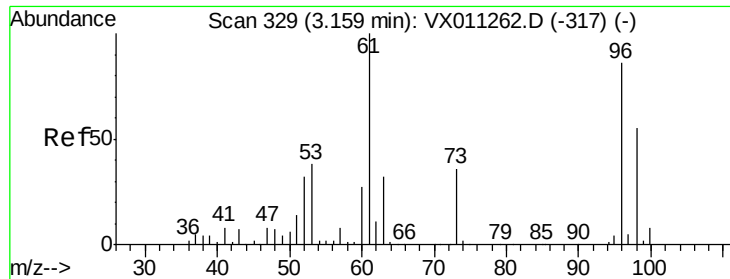
MMDadoda
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#20
Methylene Chloride
Concen: 19.389 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion: 84 Resp: 30780
Ion Ratio Lower Upper
84 100
49 111.4 89.3 133.9
51 31.5 28.3 42.5
86 62.9 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 19.741 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0802MBS01

Tot Ion: 96 Resp: 28732

Ion Ratio Lower Upper

96 100

61 119.9 92.8 139.2

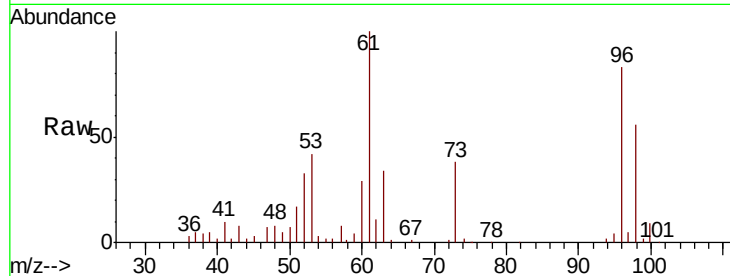
98 67.0 51.2 76.8

Manual Integrations

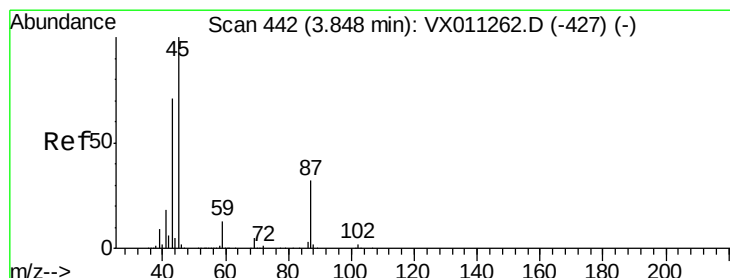
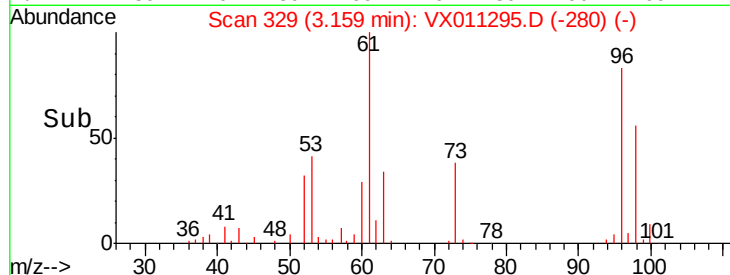
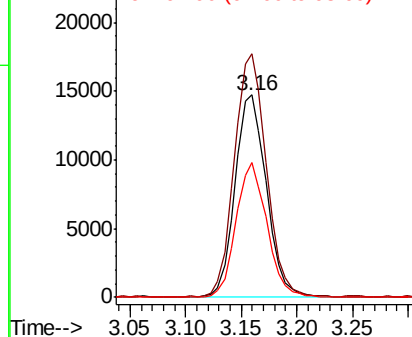
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.073 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Tgt Ion: 45 Resp: 80919

Ion Ratio Lower Upper

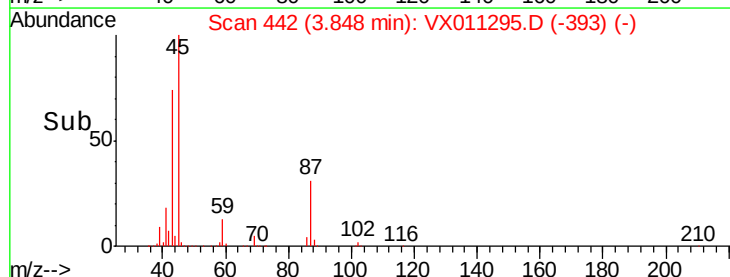
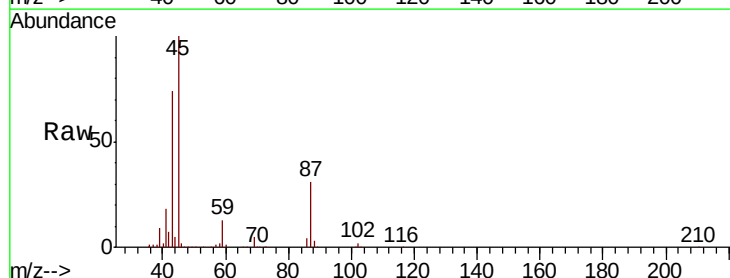
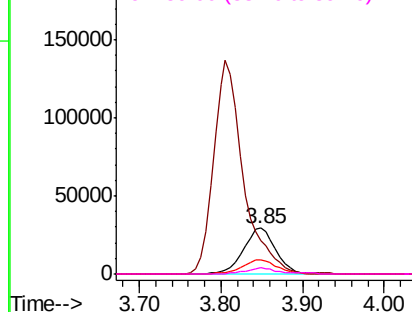
45 100

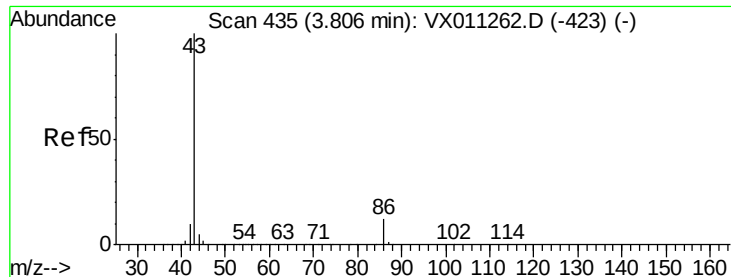
43 73.2 56.8 85.2

87 30.5 25.8 38.6

59 12.6 10.3 15.5

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 104.332 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0802MBS01

Tot Ion: 43 Resp: 348847

Ion Ratio Lower Upper

43 100

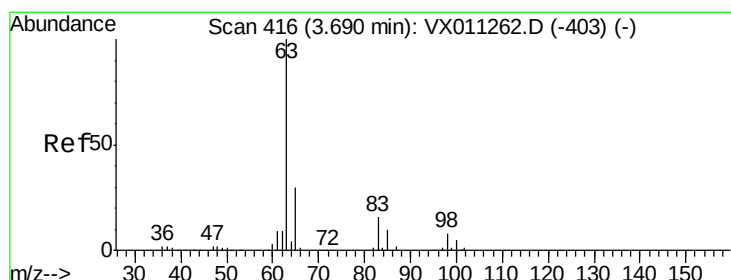
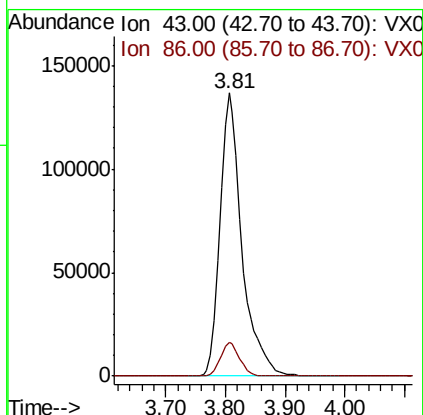
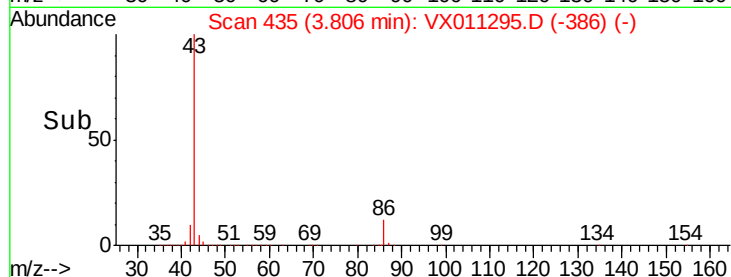
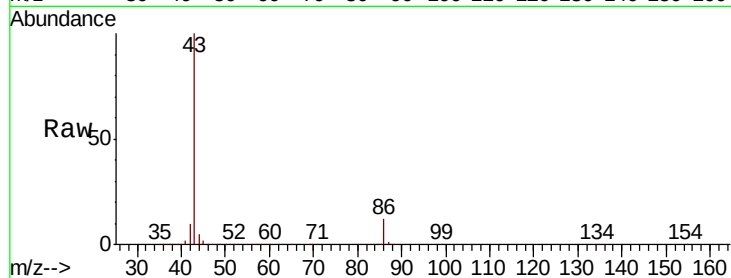
86 11.9 9.6 14.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.044 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

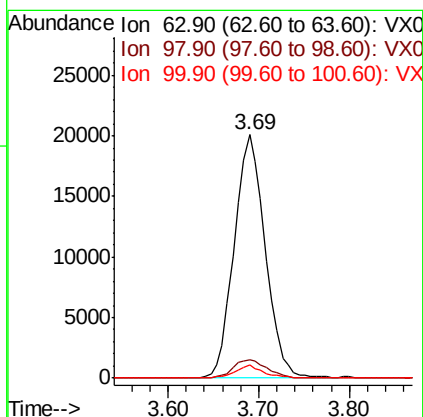
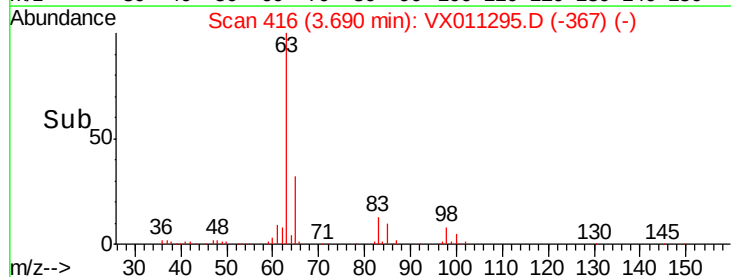
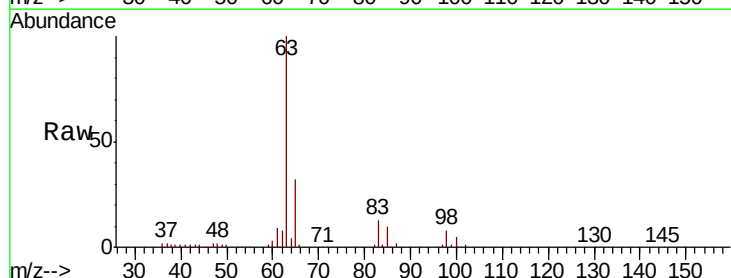
Tgt Ion: 63 Resp: 47647

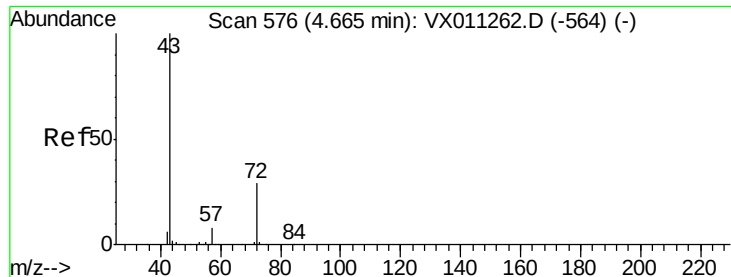
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.5

100 5.4 2.7 8.1





#25

2-Butanone

Concen: 99.799 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0802MBS01

Tot Ion: 43 Resp: 102905

Ion Ratio Lower Upper

43 100

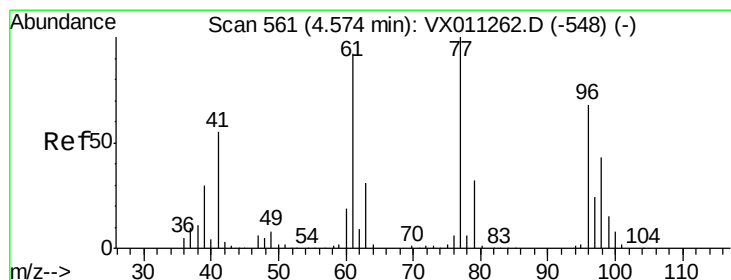
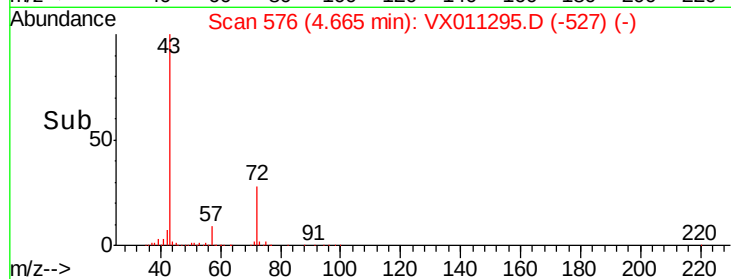
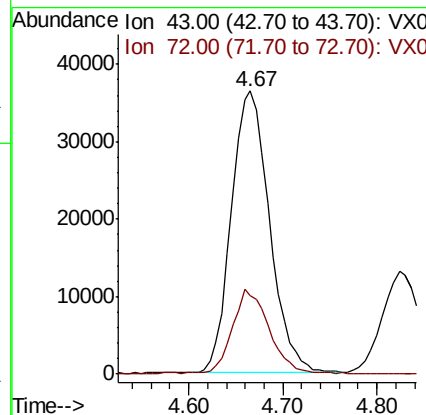
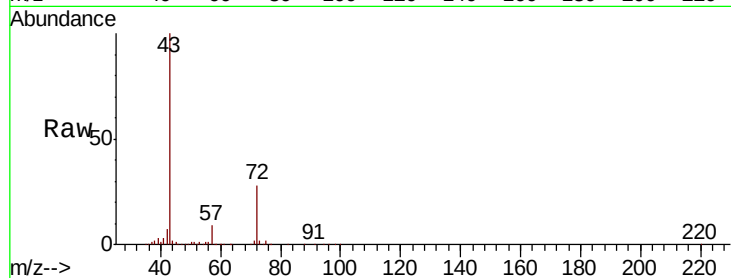
72 27.5 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.536 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011295.D

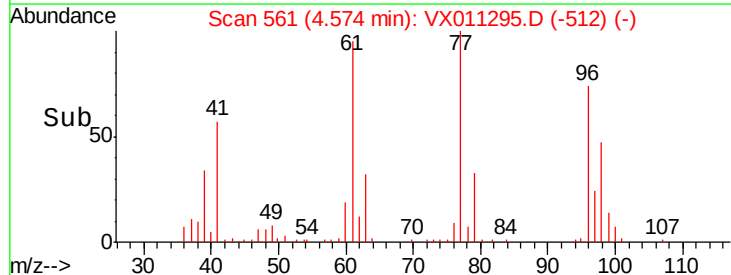
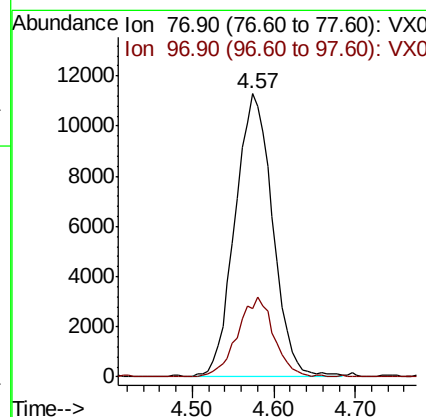
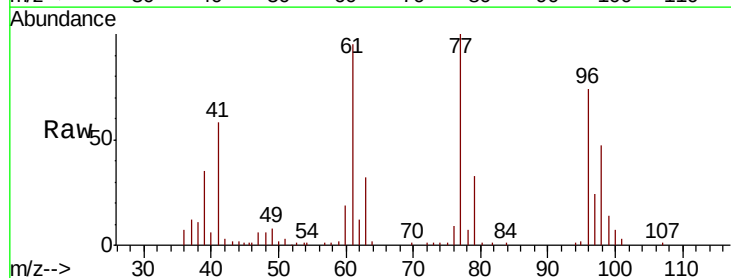
Acq: 02 Aug 2019 11:26

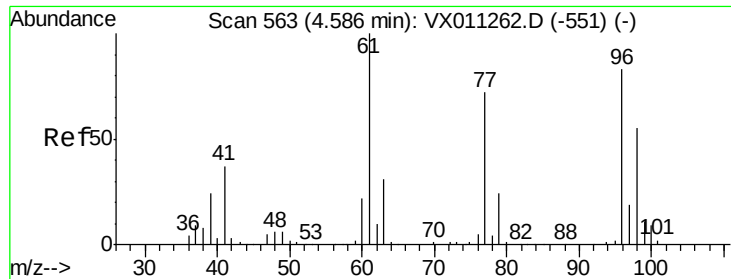
Tgt Ion: 77 Resp: 36099

Ion Ratio Lower Upper

77 100

97 27.2 12.8 38.4





#27

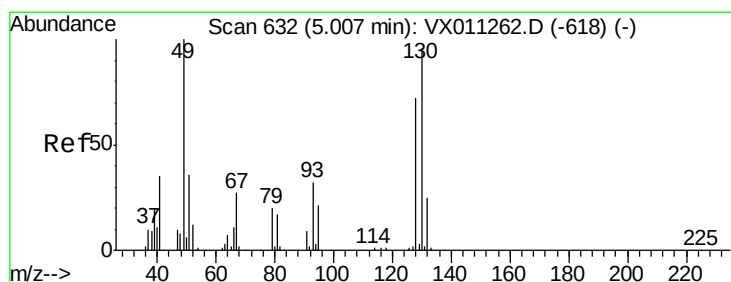
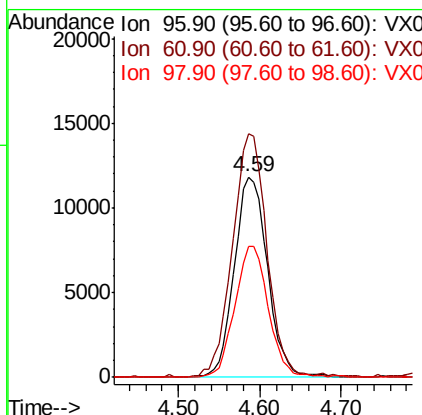
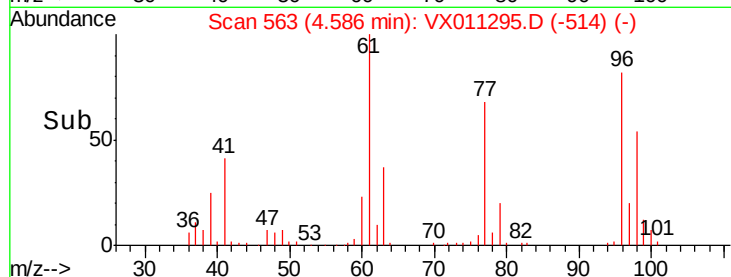
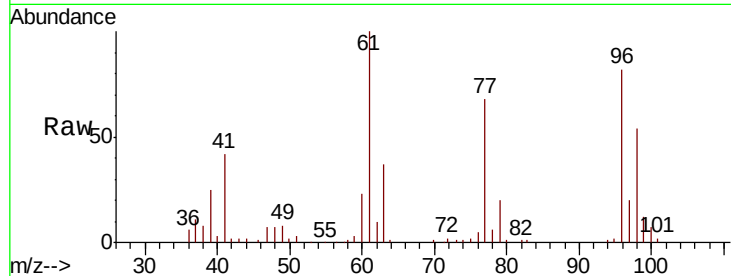
cis-1,2-Dichloroethene
Concen: 19.915 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0802MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	33386		
61	125.5		0.0	260.2
98	66.0		0.0	133.2

Manual Integrations
APPROVED

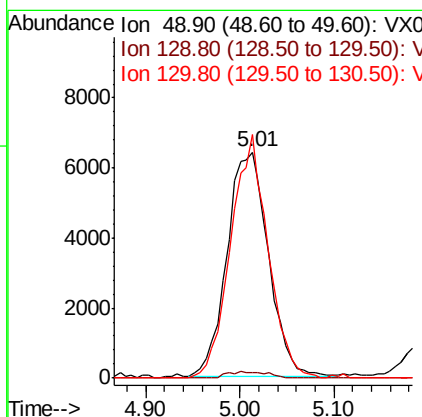
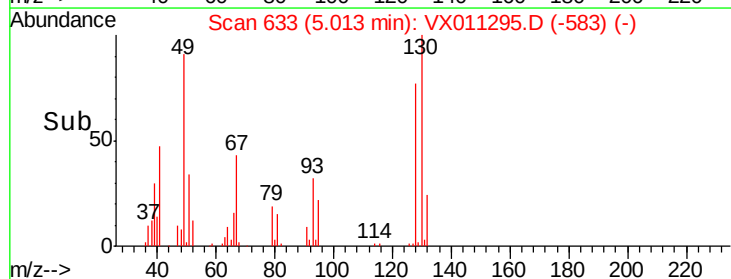
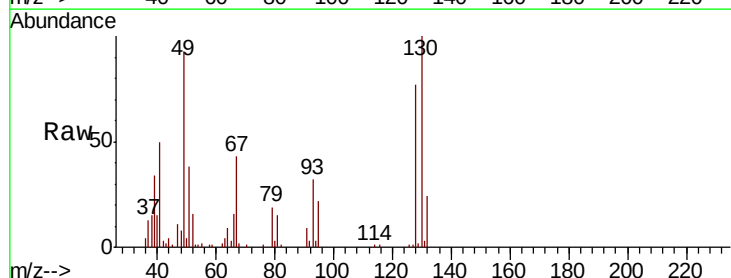
MMDadoda
8/6/2019 12:11:45 PM

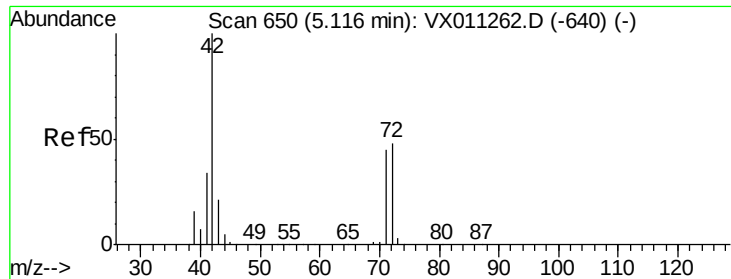


#28

Bromochloromethane
Concen: 18.053 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.01 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	19564		
129	1.6		0.0	5.8
130	97.9		77.9	116.9





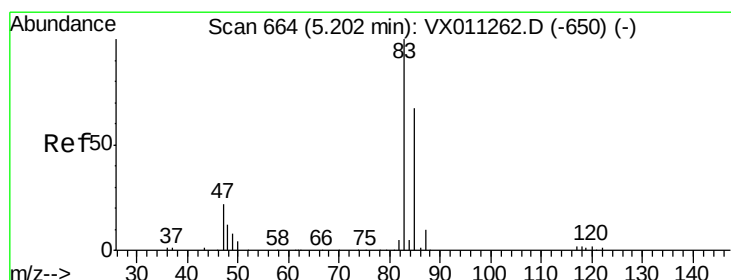
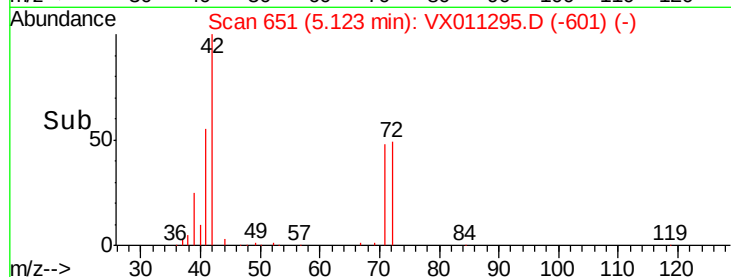
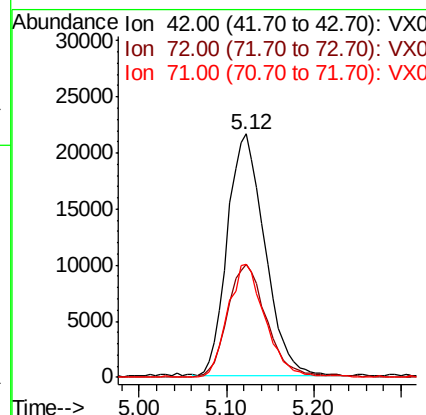
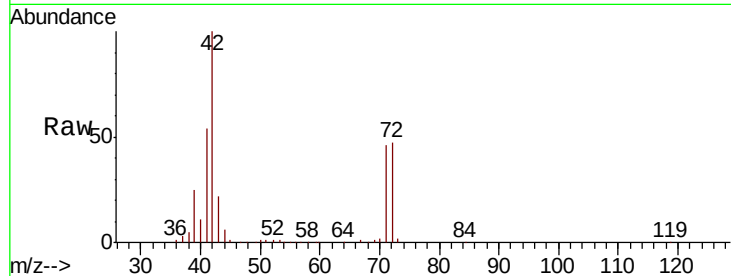
#29
Tetrahydrofuran
Concen: 102.031 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampled :
VX0802MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	39.9	59.9
71	46.6	36.9	55.3

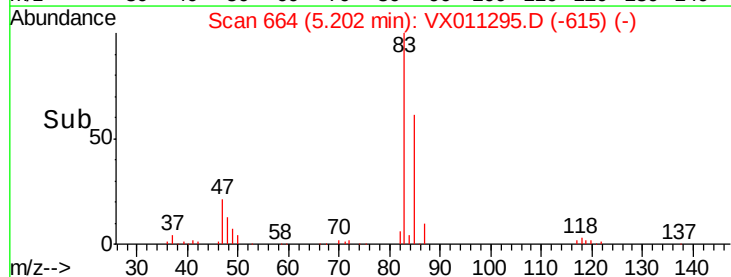
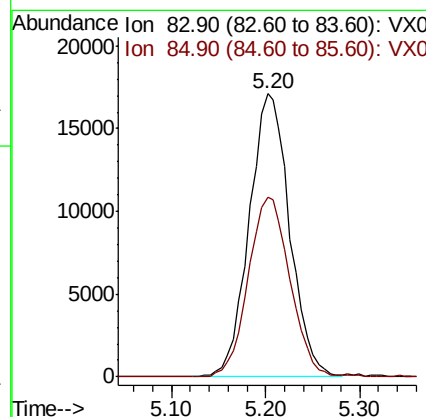
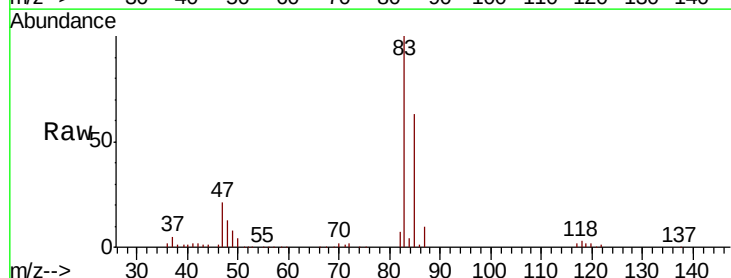
Manual Integrations
APPROVED

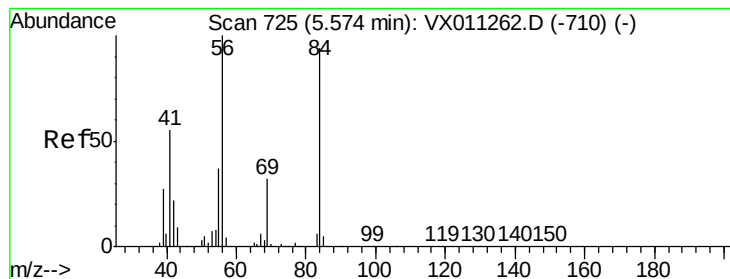
MMDadoda
8/6/2019 12:11:45 PM



#30
Chloroform
Concen: 19.918 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	53.4	80.0





#31

Cyclohexane

Concen: 19.669 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

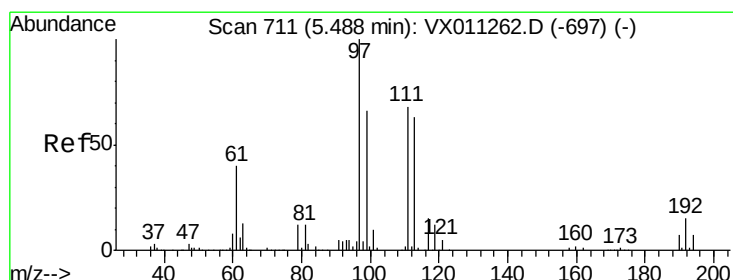
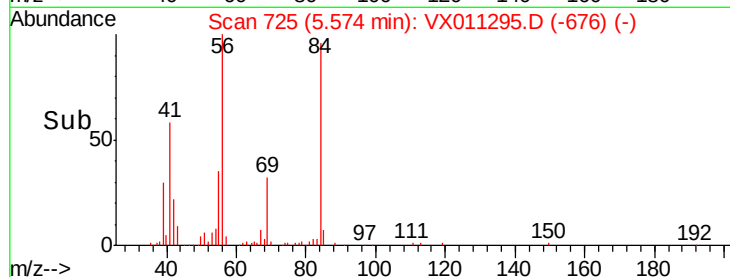
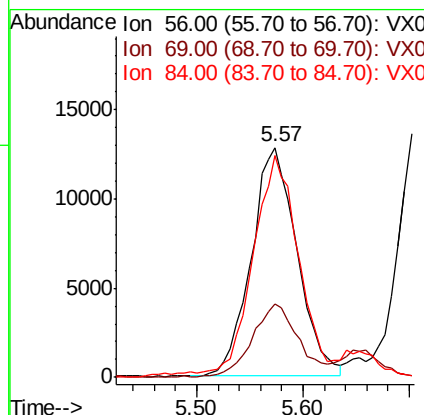
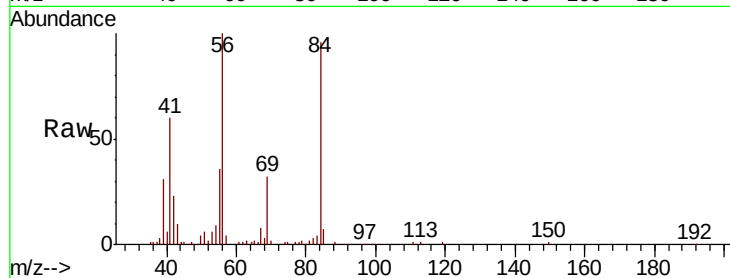
ClientSampleId :

VX0802MBS01

Tot Ion:	56	Resp:	38574
Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.5	38.3
84	94.6	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.744 ug/l

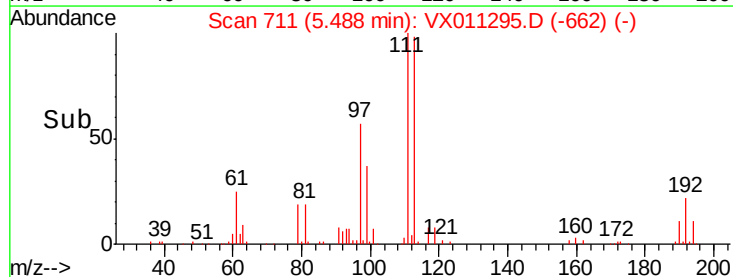
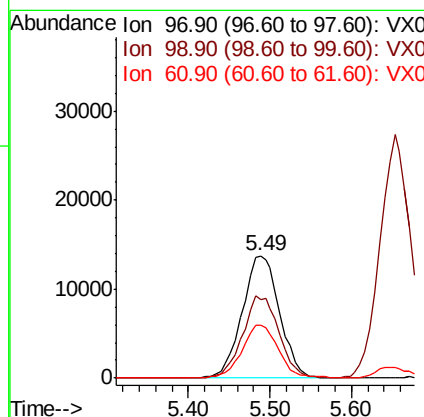
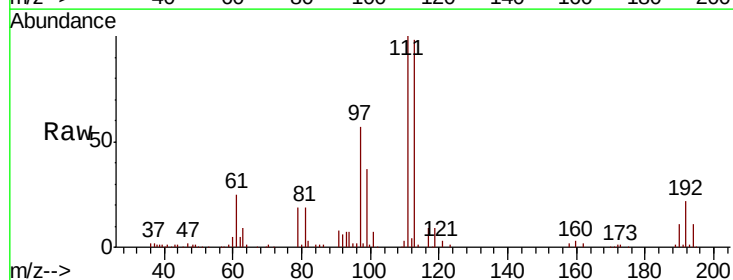
RT: 5.49 min Scan# 711

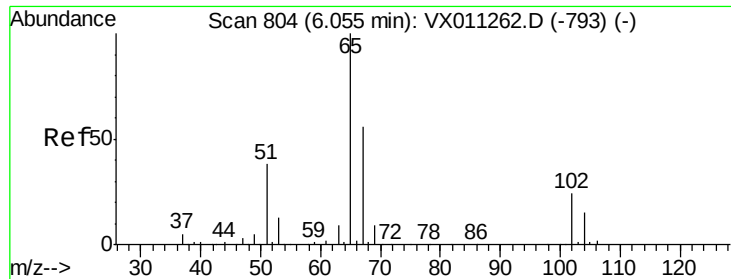
Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Tgt Ion:	97	Resp:	43697
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.6	77.4
61	42.8	32.3	48.5





#33

1,2-Dichloroethane-d4

Concen: 46.277 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0802MBS01

Tot Ion: 65 Resp: 70475

Ion Ratio Lower Upper

65 100

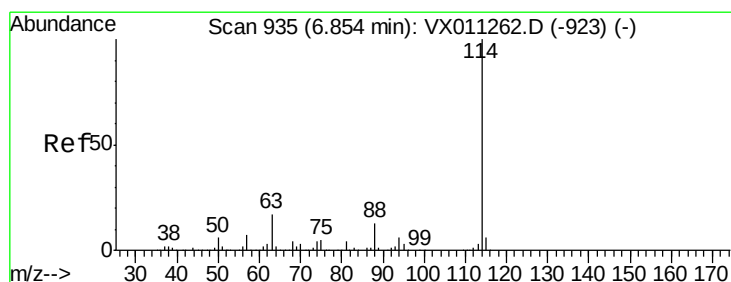
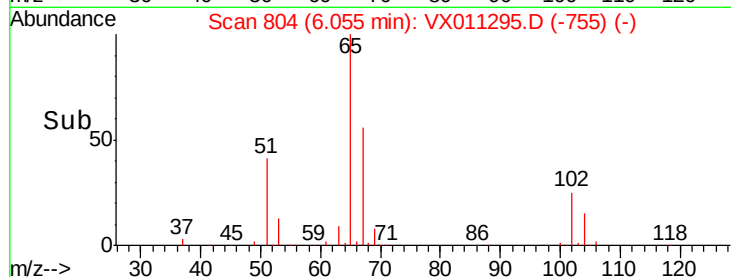
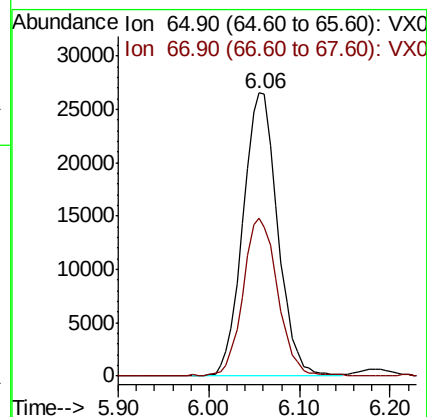
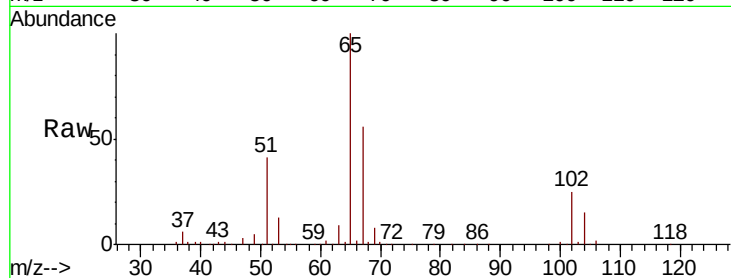
67 55.2 0.0 110.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

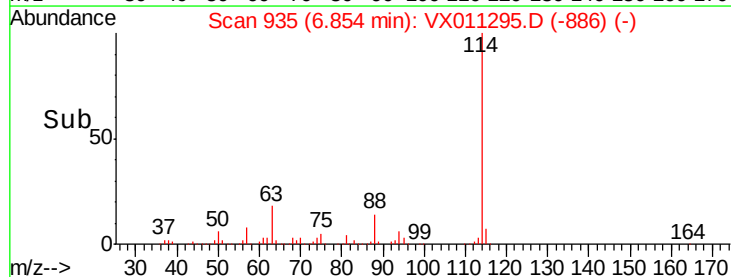
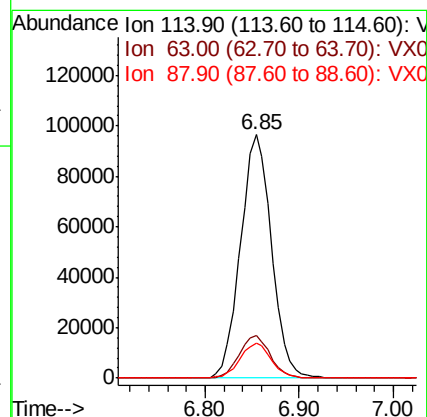
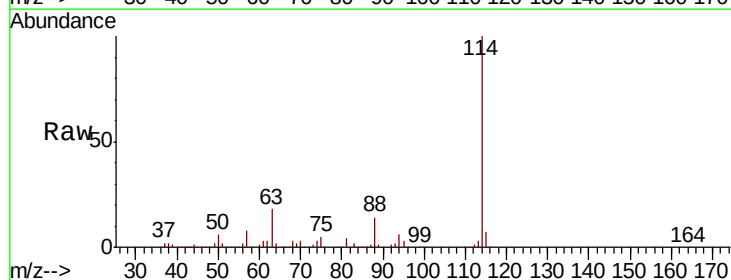
Tgt Ion: 114 Resp: 221710

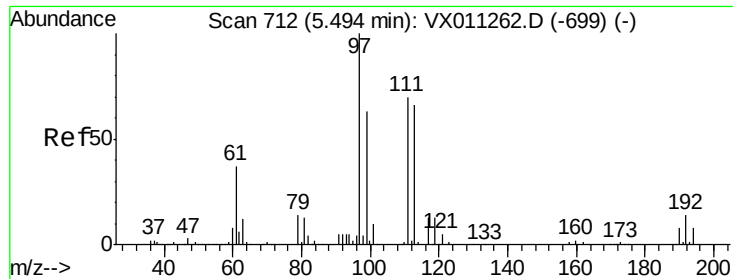
Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.0

88 14.4 0.0 26.4





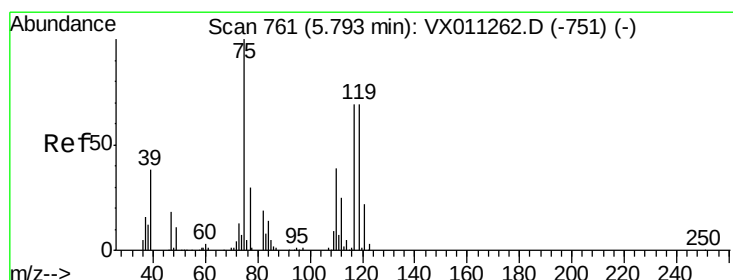
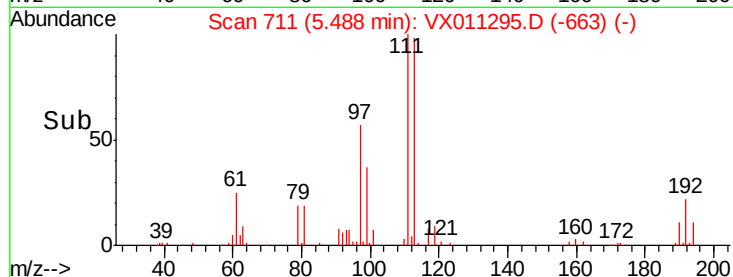
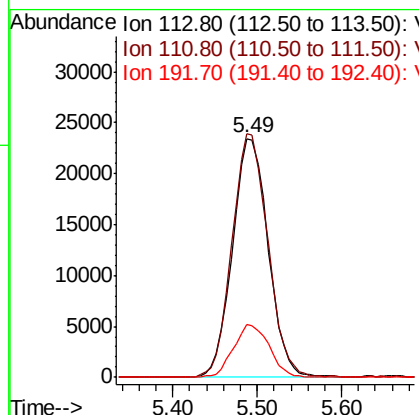
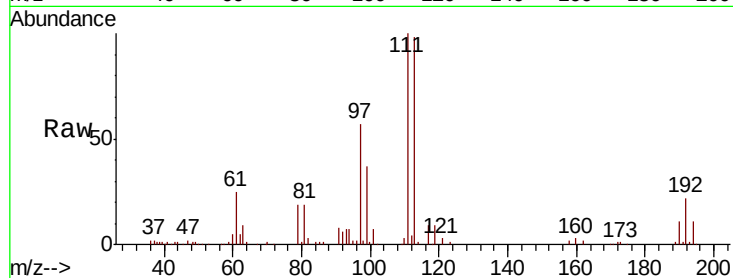
#35
 Dibromofluoromethane
 Concen: 46.462 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	22.3	17.8	26.8

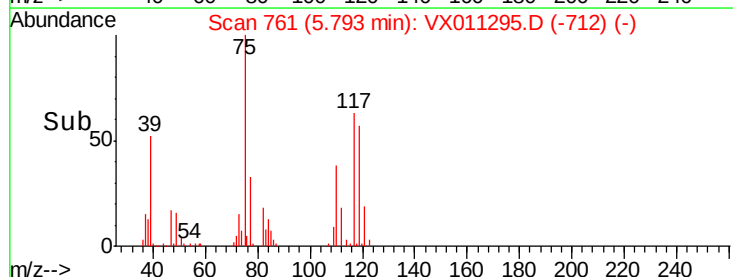
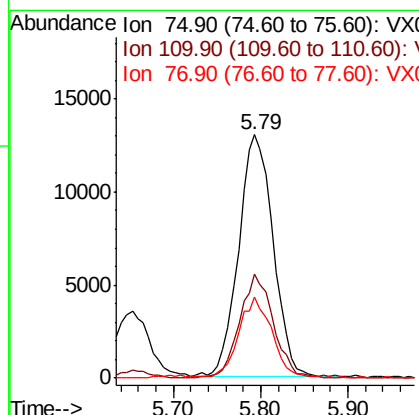
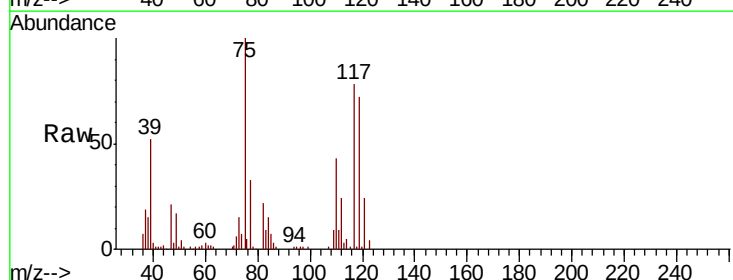
Manual Integrations
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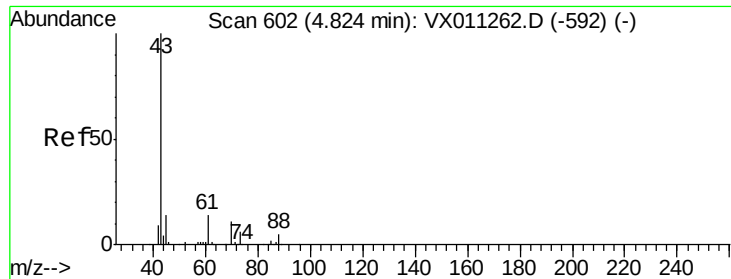
MMDadoda
 8/6/2019 12:11:45 PM



#36
 1,1-Dichloropropene
 Concen: 18.509 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.7	20.0	59.9
77	32.2	24.8	37.2





#37

Ethyl Acetate

Concen: 19.450 ug/l

RT: 4.82 min Scan# 602

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

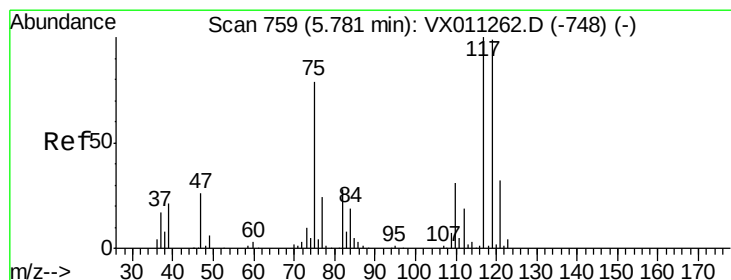
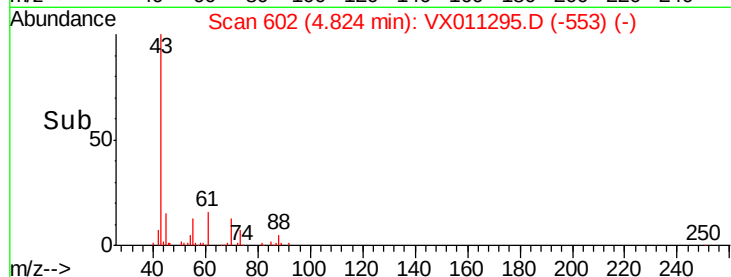
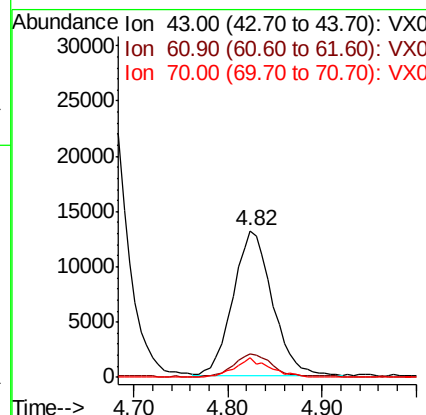
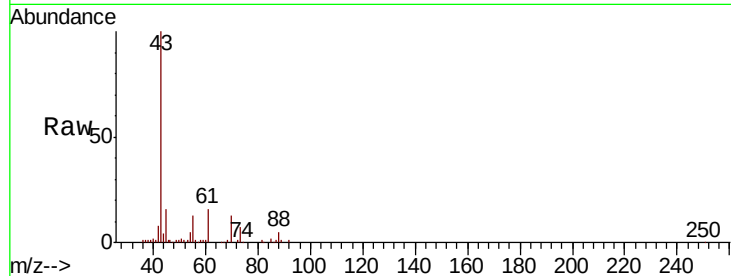
ClientSampleId :

VX0802MBS01

Tot Ion:	43	Resp:	37766
Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.6	18.8
70	12.1	9.1	13.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.524 ug/l

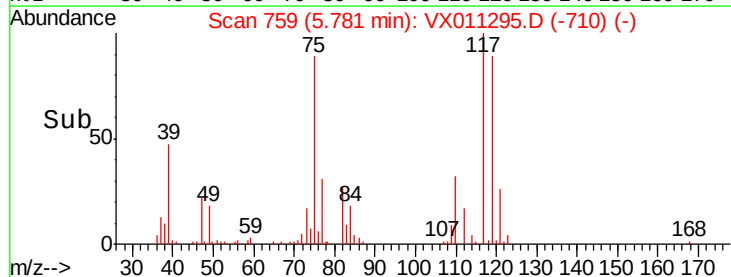
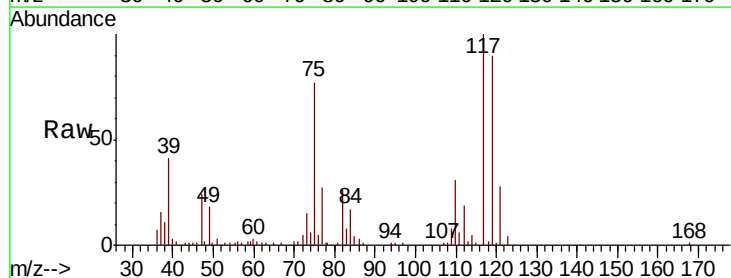
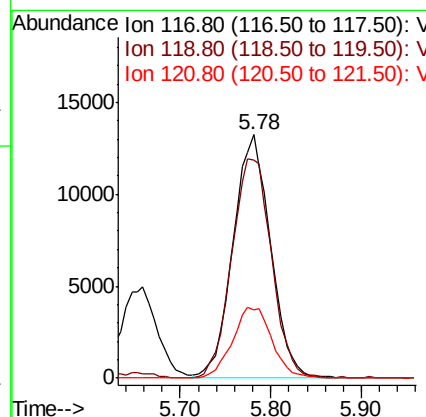
RT: 5.78 min Scan# 759

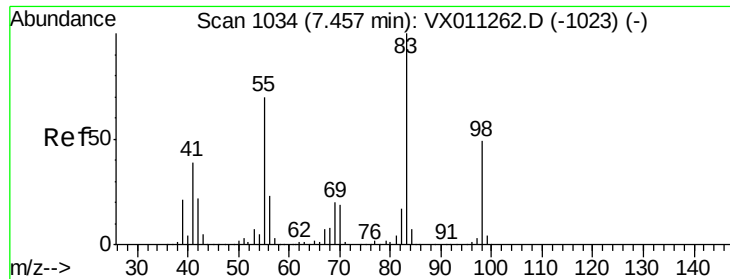
Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Tgt Ion:	117	Resp:	38023
Ion	Ratio	Lower	Upper
117	100		
119	89.3	79.0	118.4
121	28.2	25.9	38.9





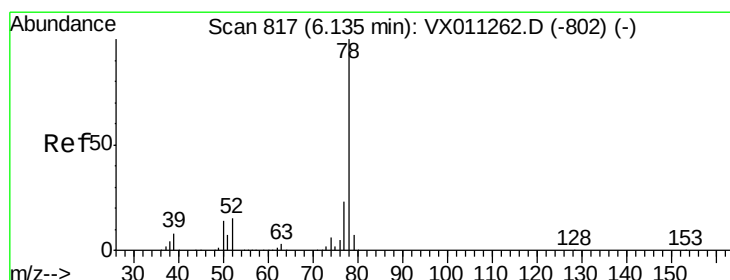
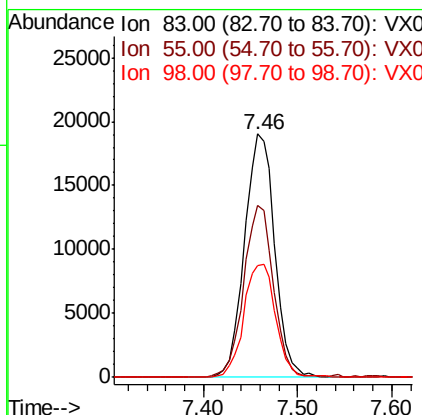
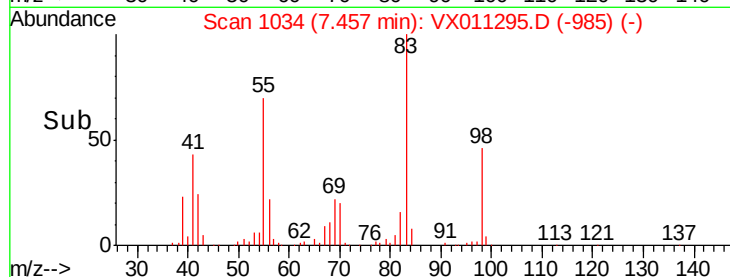
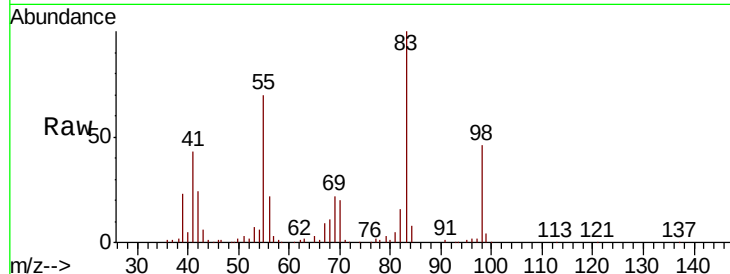
#39
Methylvlcyclohexane
Concen: 18.671 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0802MBS01

Tot Ion	83	Resp	42840
Ion Ratio	100		
Lower	56.1		
Upper	84.1		
83	100		
55	70.4		
98	45.8		

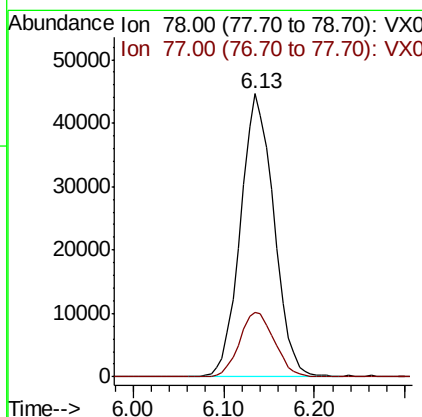
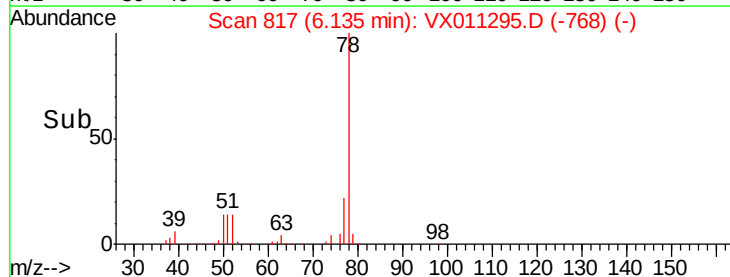
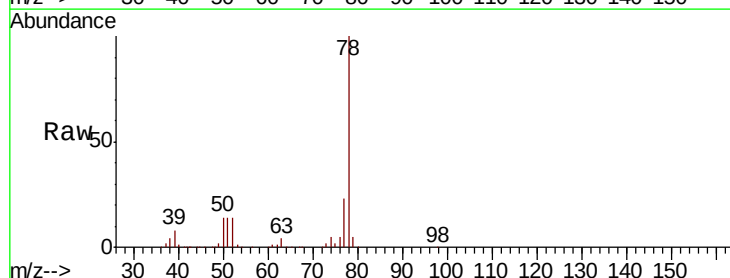
Manual Integrations
APPROVED

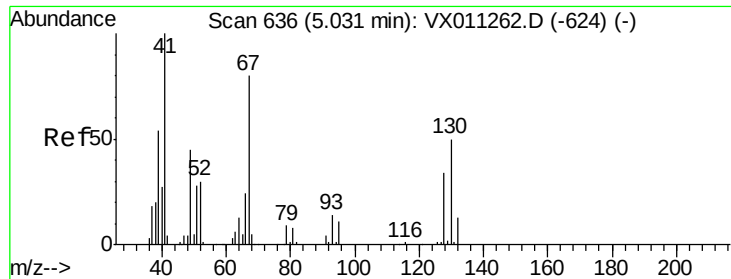
MMDadoda
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#40
Benzene
Concen: 19.751 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion	78	Resp	114088
Ion Ratio	100		
Lower	18.2		
Upper	27.2		
78	100		
77	22.9		





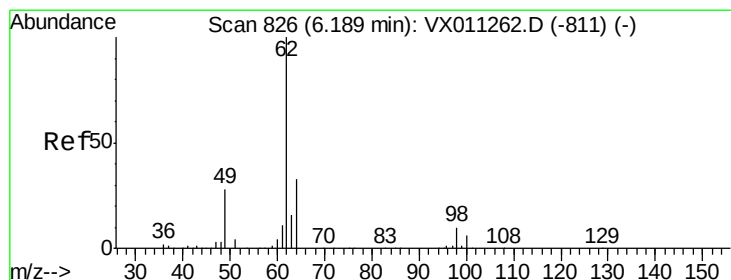
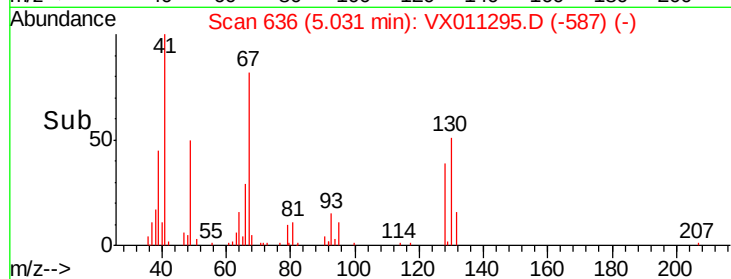
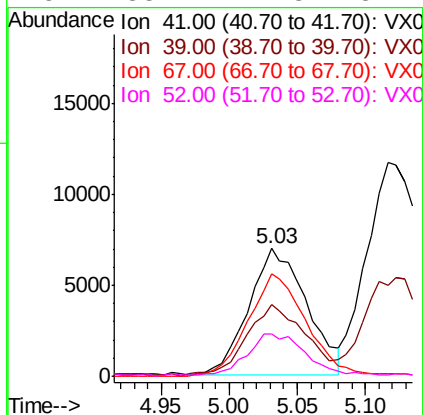
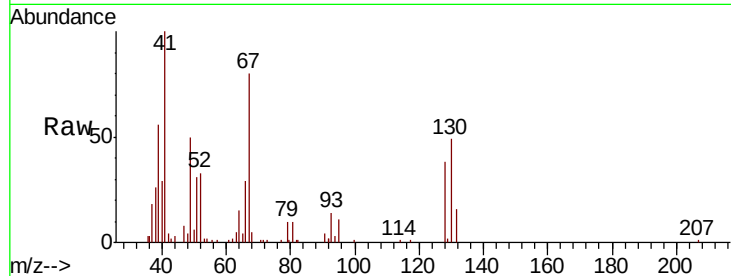
#41
Methacrylonitrile
Concen: 19.359 ug/l
RT: 5.03 min Scan# 636
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0802MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		20529		
39	57.7	43.0	64.6		
67	82.5	65.1	97.7		
52	33.4	24.8	37.2		

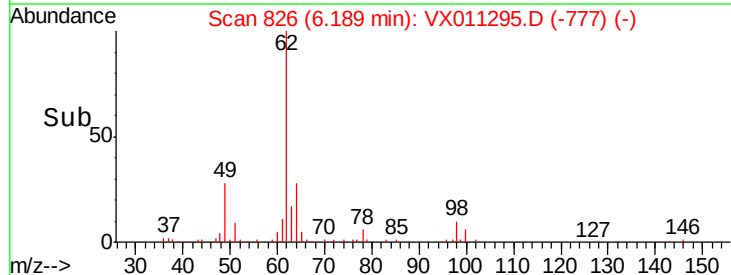
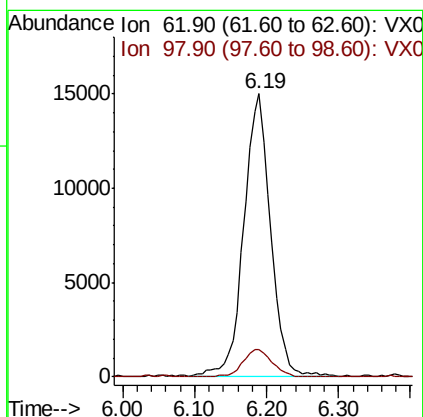
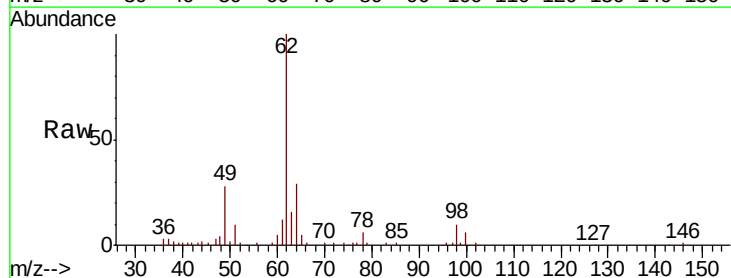
Manual Integrations
APPROVED

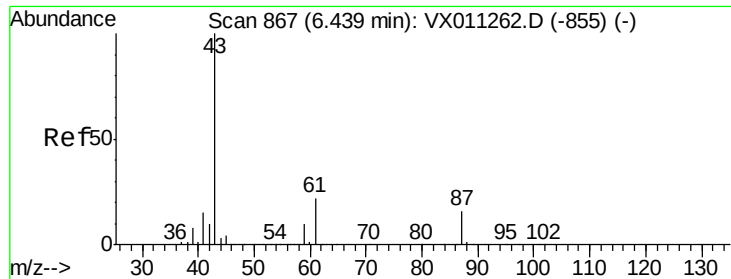
MMDadoda
8/6/2019 12:11:45 PM



#42
1,2-Dichloroethane
Concen: 19.915 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		38900		
98	10.5	0.0	20.6		





#43

Isopropyl Acetate

Concen: 19.330 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

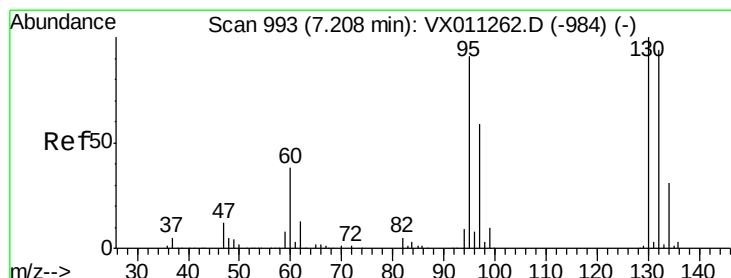
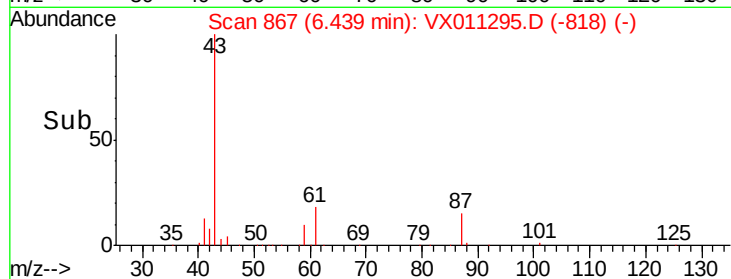
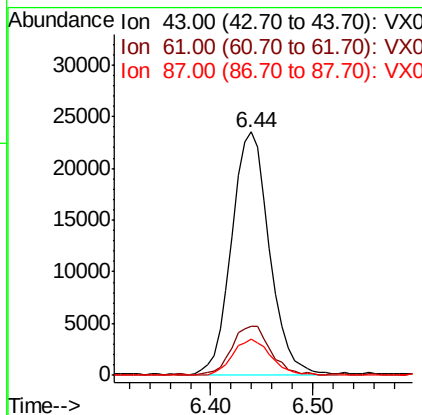
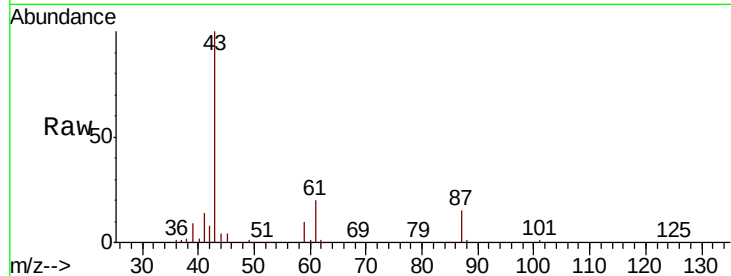
ClientSampleId :

VX0802MBS01

Tot Ion:	43	Resp:	60005
Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.5	24.7
87	15.1	12.1	18.1

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#44

Trichloroethene

Concen: 19.113 ug/l

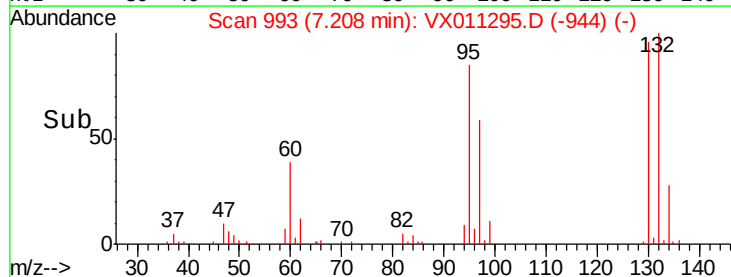
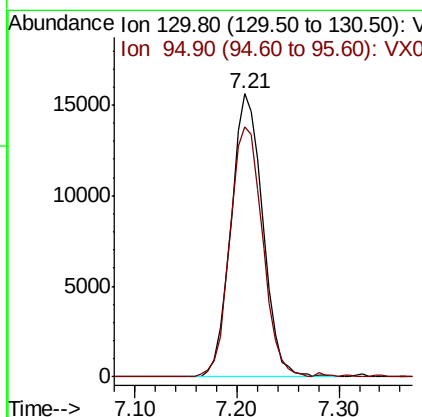
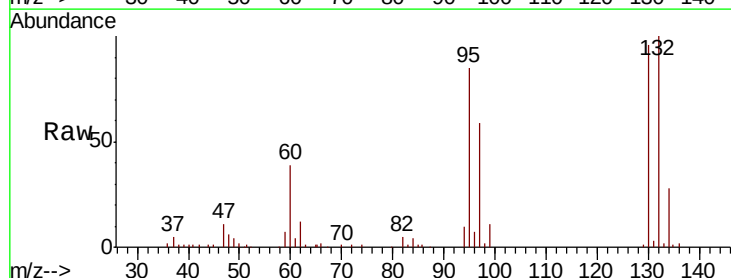
RT: 7.21 min Scan# 993

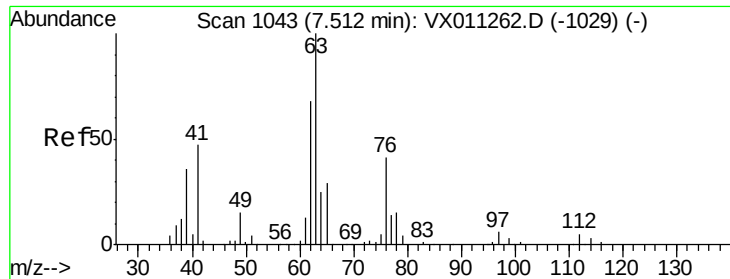
Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Tgt Ion:	130	Resp:	33417
Ion	Ratio	Lower	Upper
130	100		
95	88.3	0.0	182.6





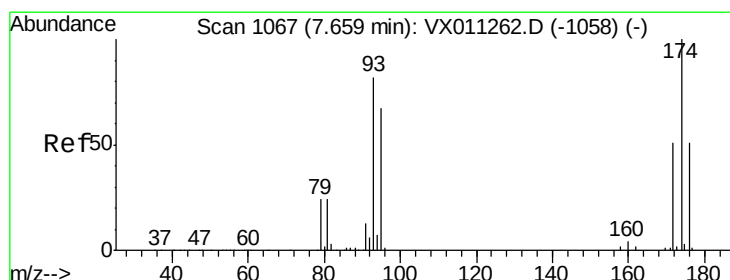
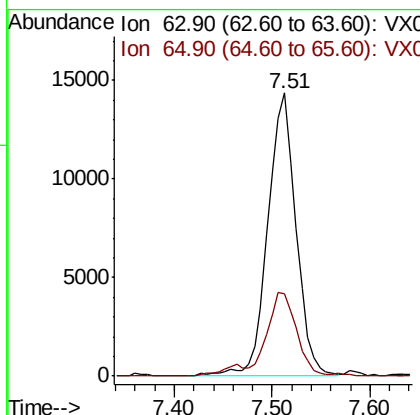
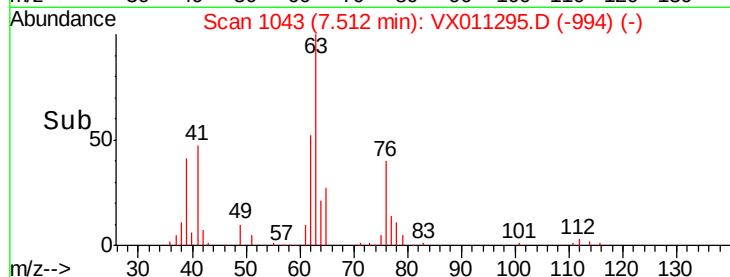
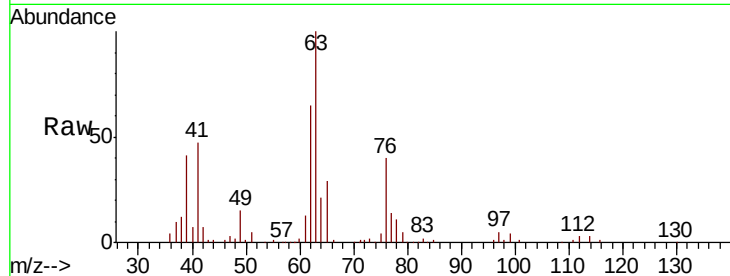
#45
 1,2-Dichloropropane
 Concen: 19.303 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802MBS01

Tot Ion: 63 Resp: 28877
 Ion Ratio Lower Upper
 63 100
 65 29.1 23.3 34.9

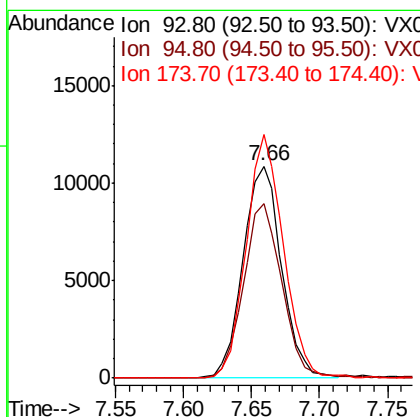
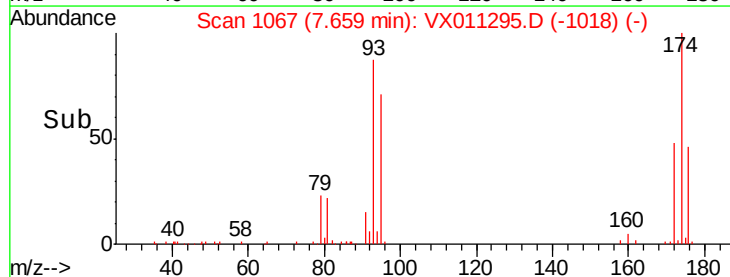
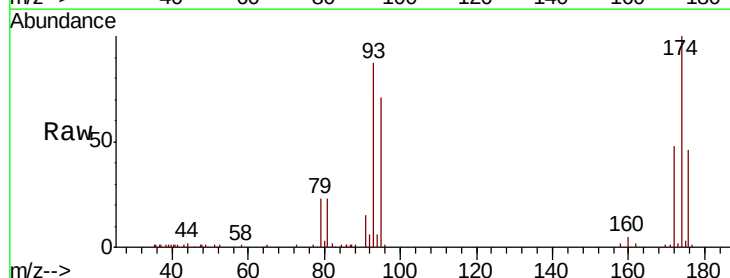
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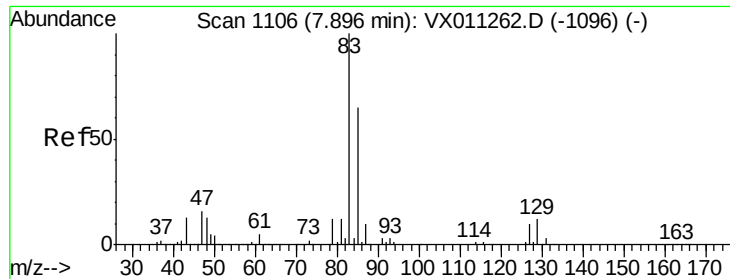
MMDadoda
 8/6/2019 12:11:45 PM



#46
 Dibromomethane
 Concen: 19.773 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Tgt Ion: 93 Resp: 21594
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.4 99.6
 174 110.9 93.4 140.2





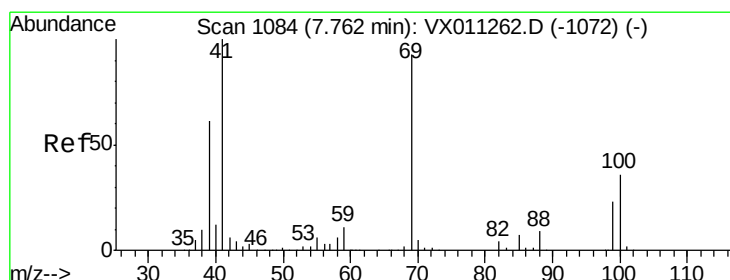
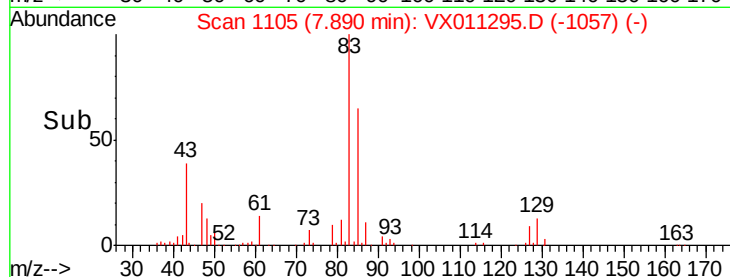
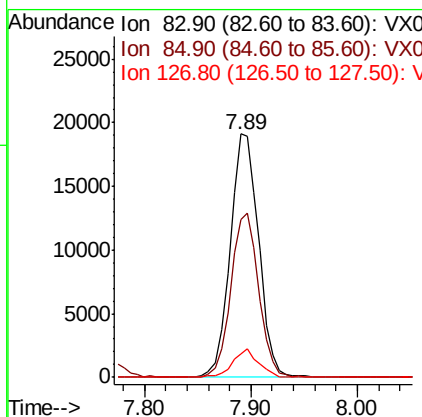
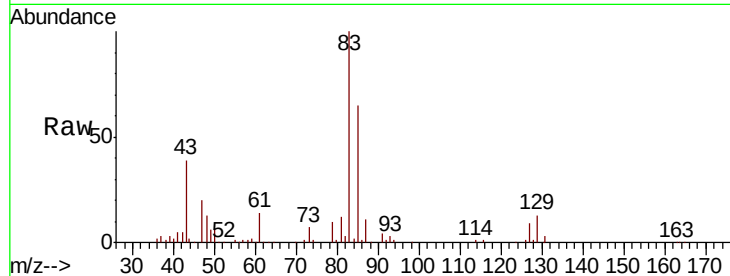
#47
 Bromodichloromethane
 Concen: 19.321 ug/l
 RT: 7.89 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Instrument :
 MSVOA_X
 ClientSampled :
 VX0802MBS01

Tot Ion	83	Resp	35725
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	52.2	78.2
127	9.5	7.8	11.8

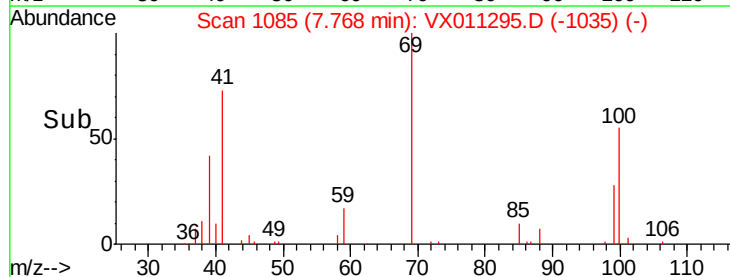
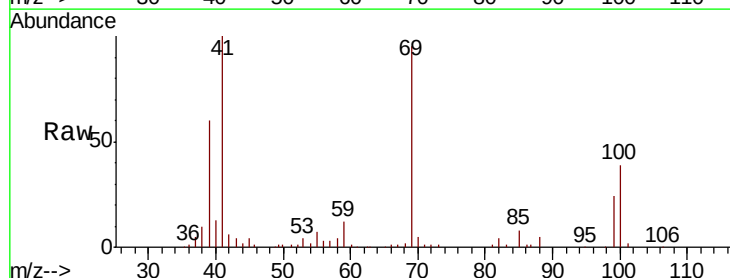
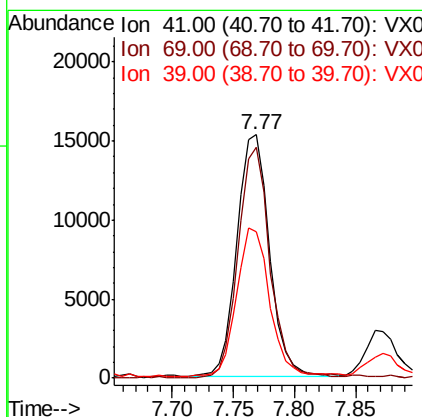
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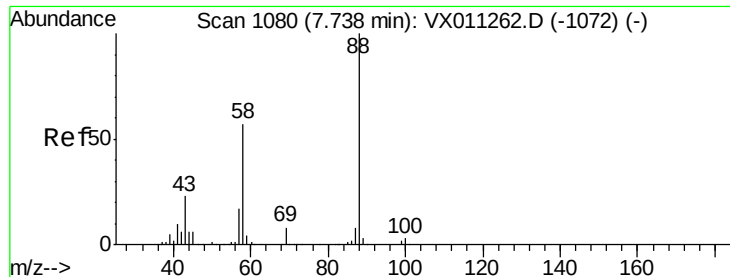
MMDadoda
 8/6/2019 12:11:45 PM



#48
 Methyl methacrylate
 Concen: 19.480 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.01 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Tgt Ion	41	Resp	28459
Ion Ratio	100	Lower	Upper
41	100		
69	93.4	74.5	111.7
39	62.2	48.6	72.8





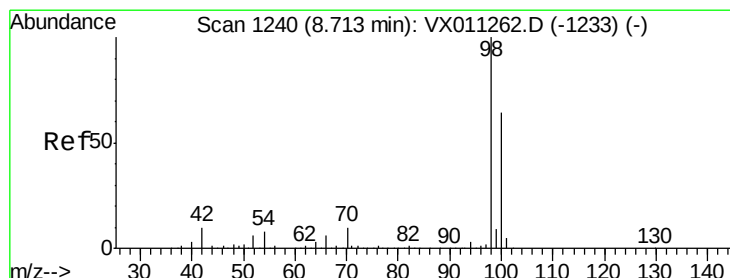
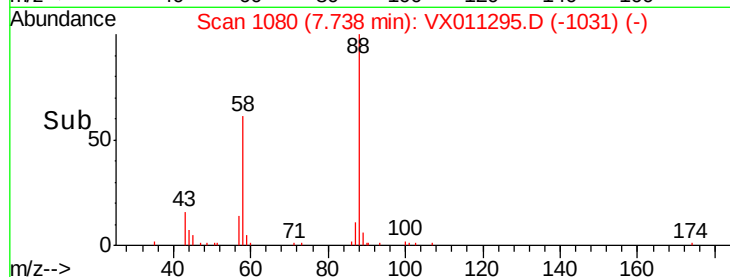
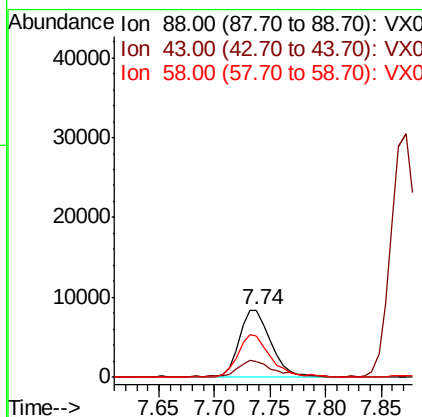
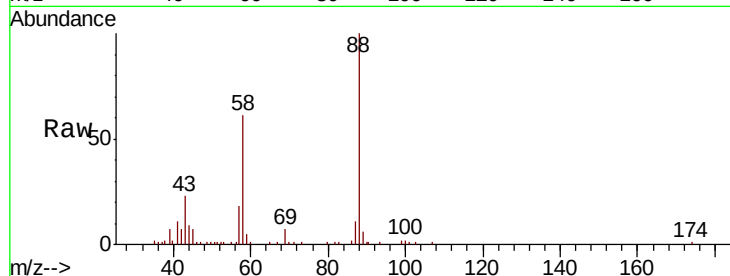
#49
1,4-Dioxane
Concen: 391.182 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0802MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.3	22.2	33.2
58	66.4	47.8	71.8

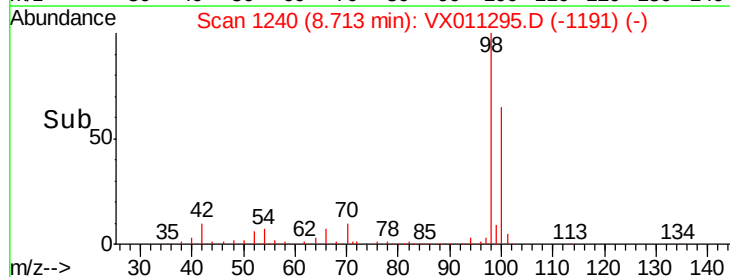
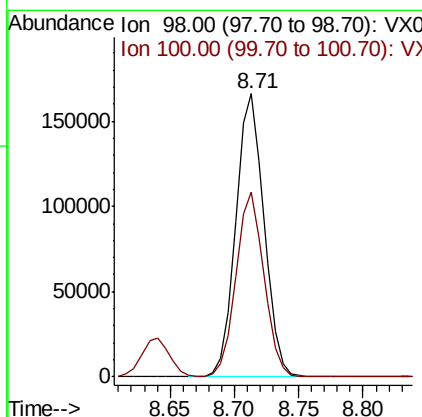
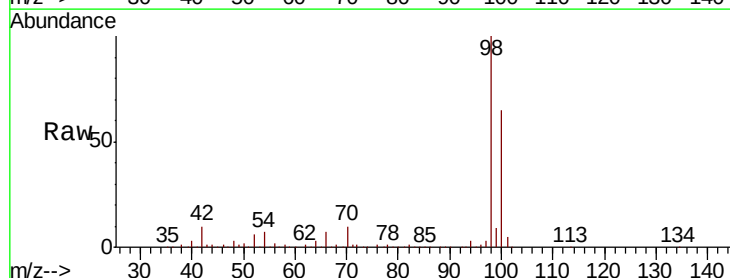
Manual Integrations
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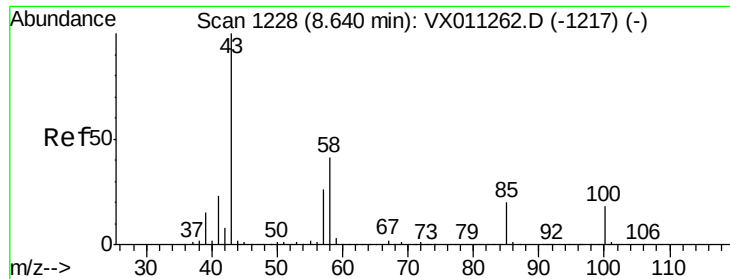
MMDadoda
8/6/2019 12:11:45 PM



#50
Toluene-d8
Concen: 46.134 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 102.722 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0802MBS01

Tot Ion: 43 Resp: 205793

Ion Ratio Lower Upper

43 100

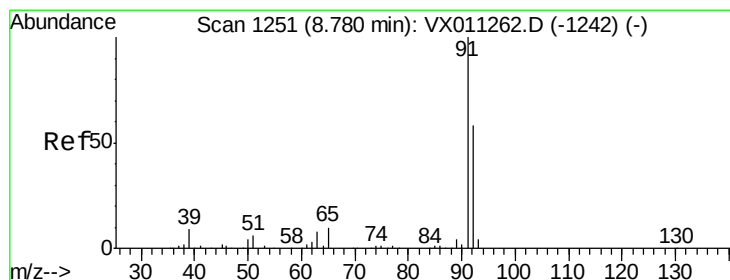
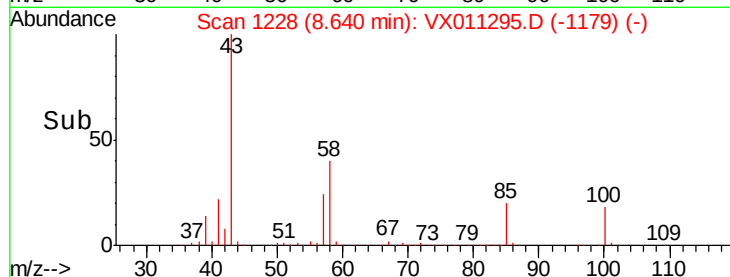
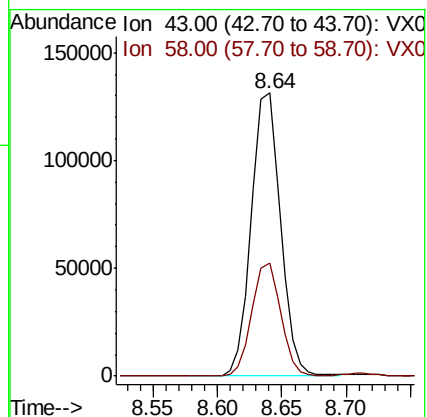
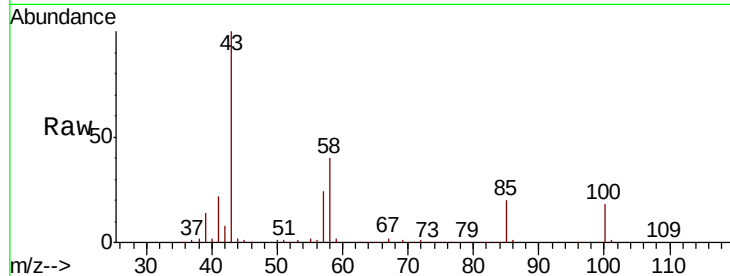
58 39.7 32.3 48.5

Manual Integrations

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8/6/2019 12:11:45 PM



#52

Toluene

Concen: 19.785 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011295.D

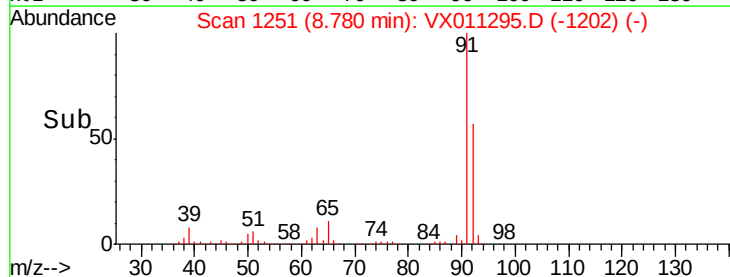
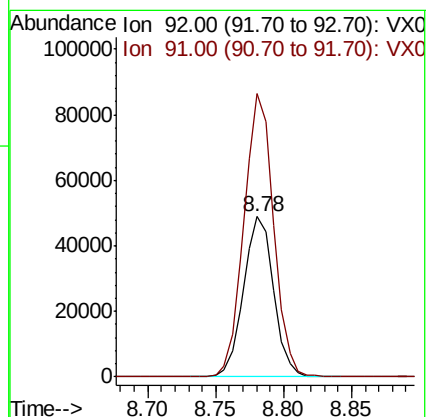
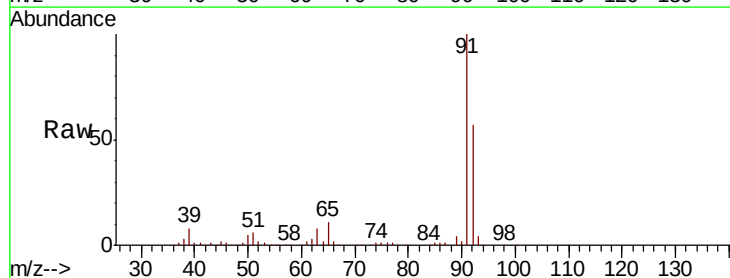
Acq: 02 Aug 2019 11:26

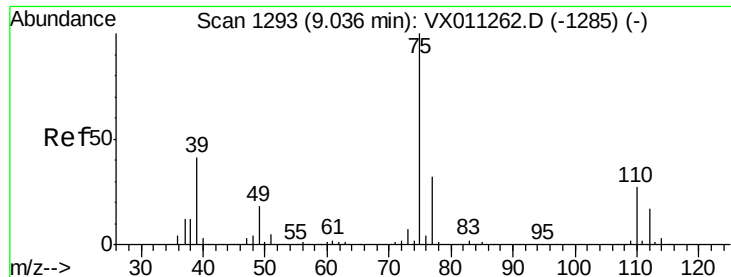
Tgt Ion: 92 Resp: 75562

Ion Ratio Lower Upper

92 100

91 174.8 139.4 209.0





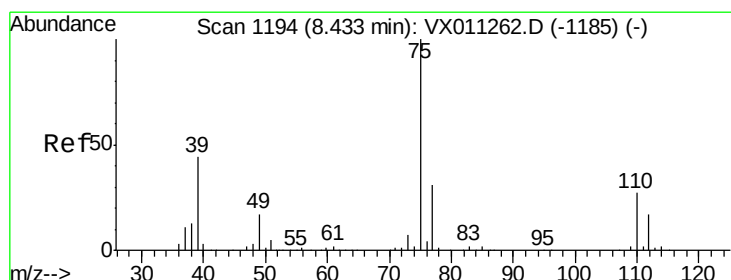
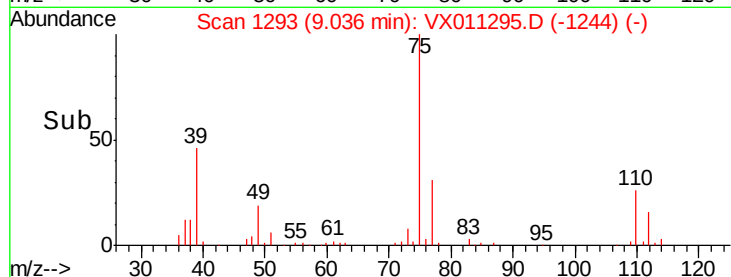
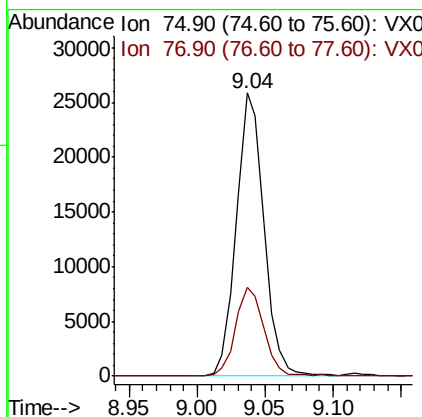
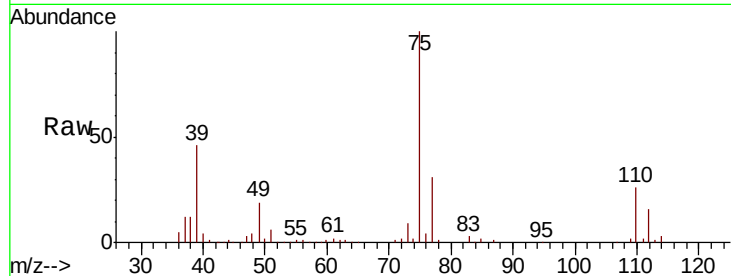
#53
t-1,3-Dichloropropene
Concen: 18.860 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0802MBS01

Tot Ion: 75 Resp: 36577
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0

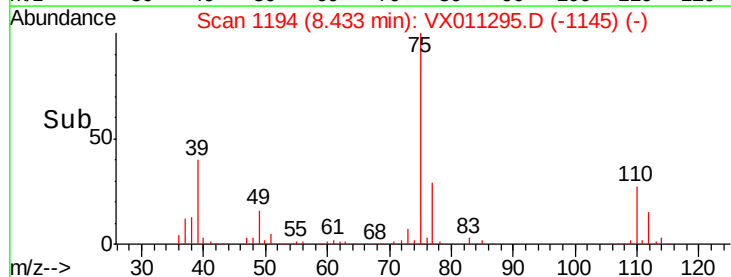
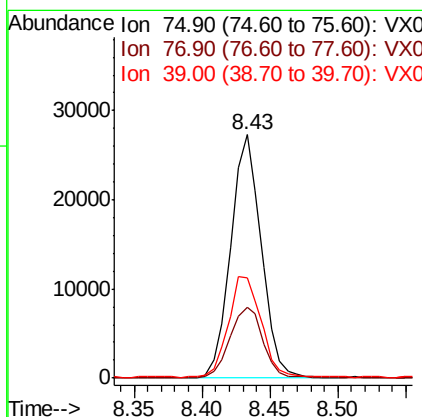
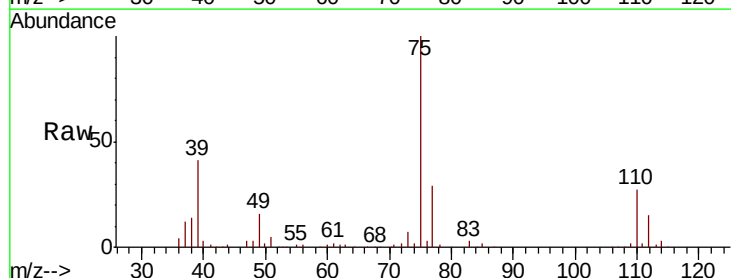
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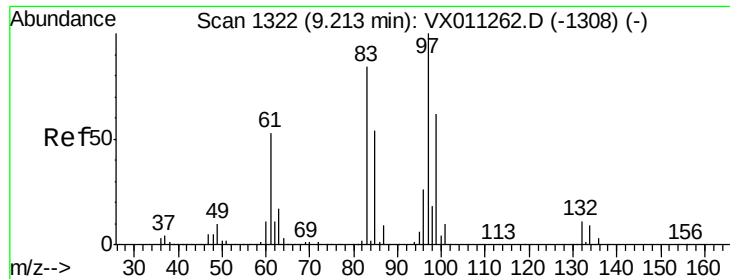
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8/6/2019 12:11:45 PM



#54
cis-1,3-Dichloropropene
Concen: 19.776 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion: 75 Resp: 42713
Ion Ratio Lower Upper
75 100
77 29.2 25.0 37.6
39 40.8 35.3 52.9





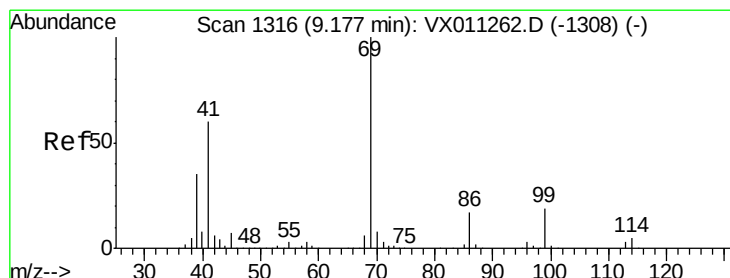
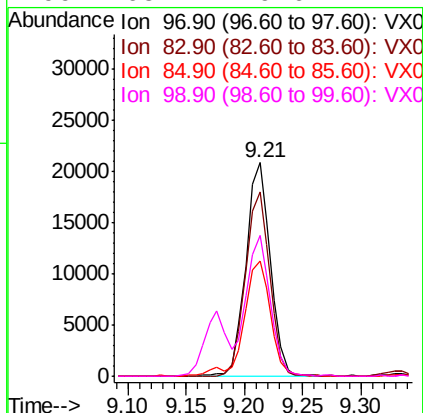
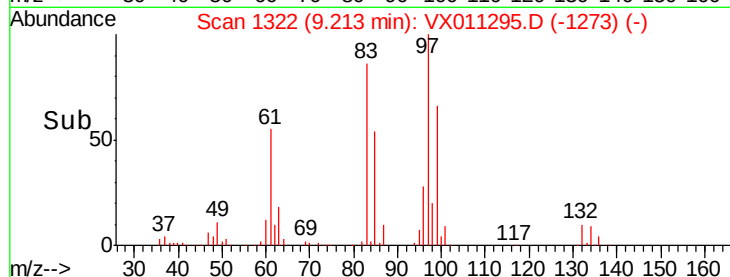
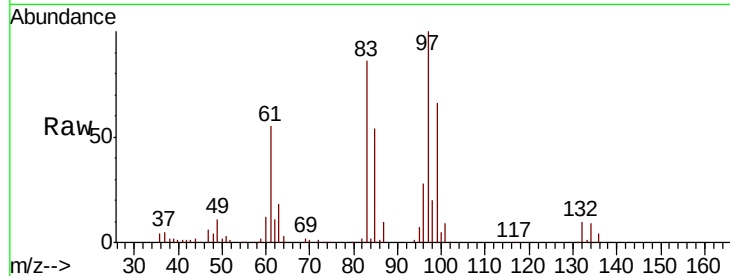
#55
 1,1,2-Trichloroethane
 Concen: 19.489 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		30603		
83	86.1	67.6	101.4		
85	54.1	43.4	65.0		
99	65.7	49.6	74.4		

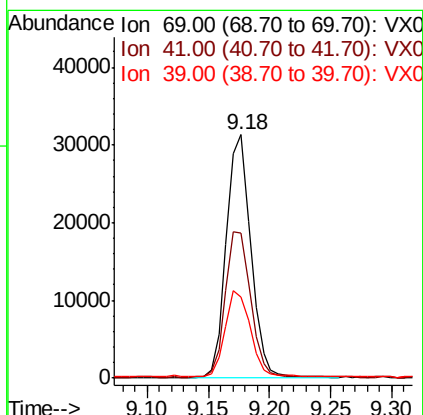
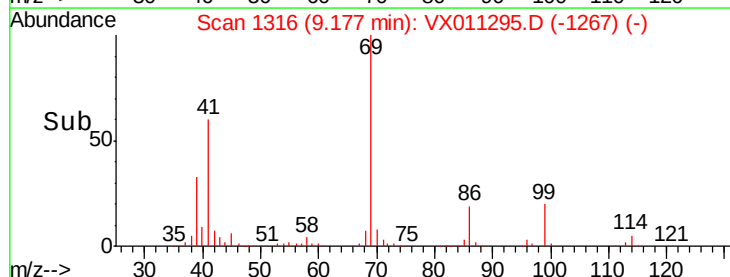
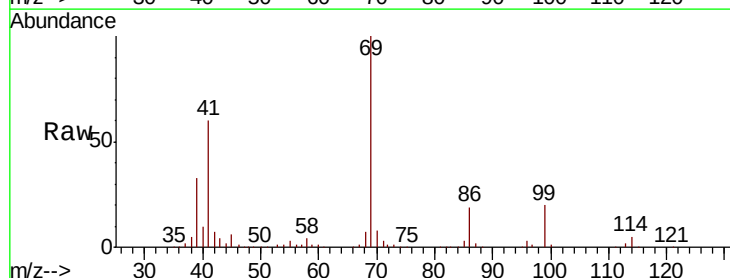
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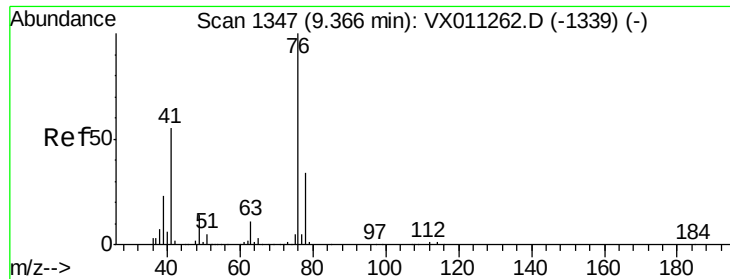
MMDadoda
 8/6/2019 12:11:45 PM



#56
 Ethyl methacrylate
 Concen: 19.577 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		43808		
41	62.2	48.6	73.0		
39	35.9	29.4	44.2		





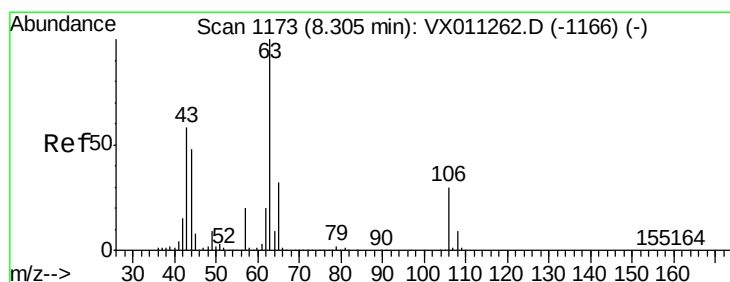
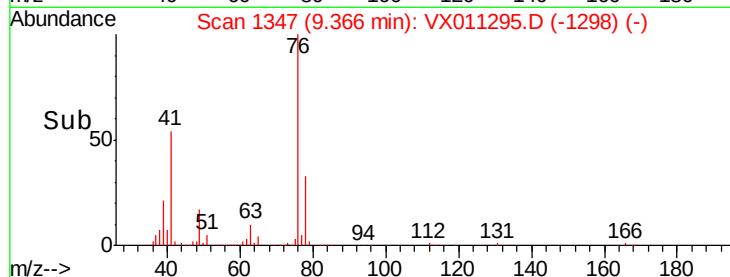
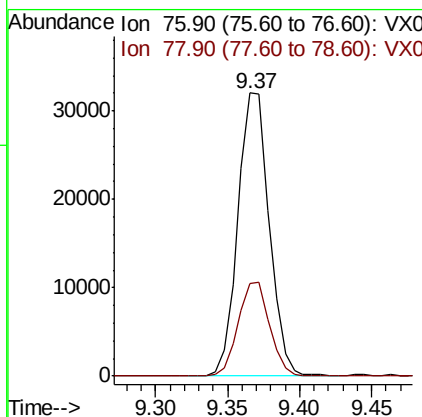
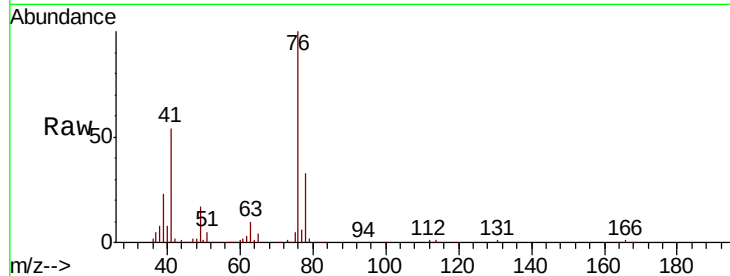
#57
 1,3-Dichloropropane
 Concen: 19.555 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.6	40.0

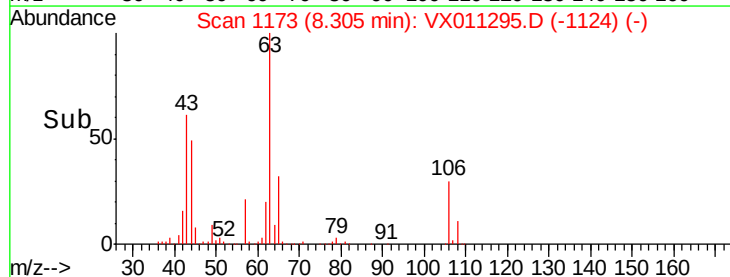
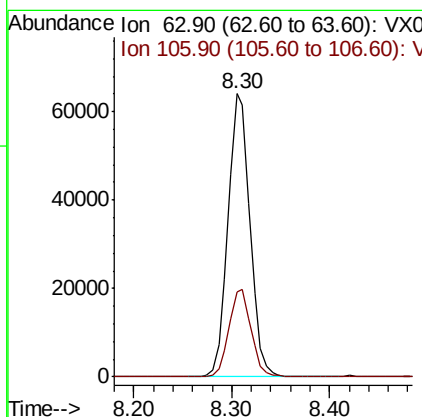
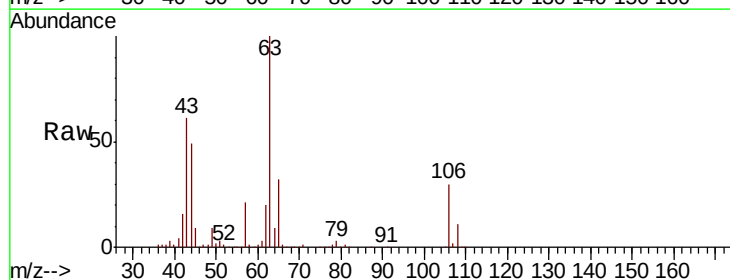
Manual Integrations
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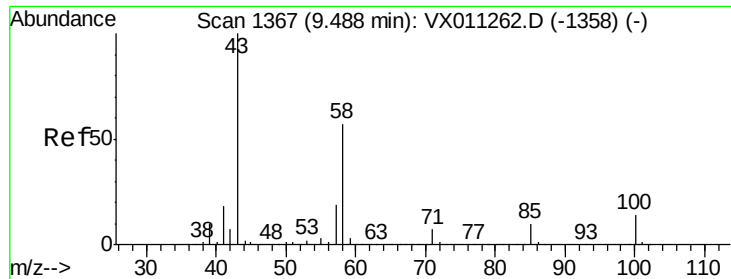
MMDadoda
 8/6/2019 12:11:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.641 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.1	24.4	36.6





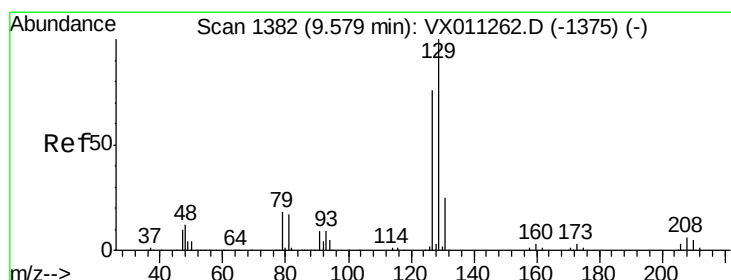
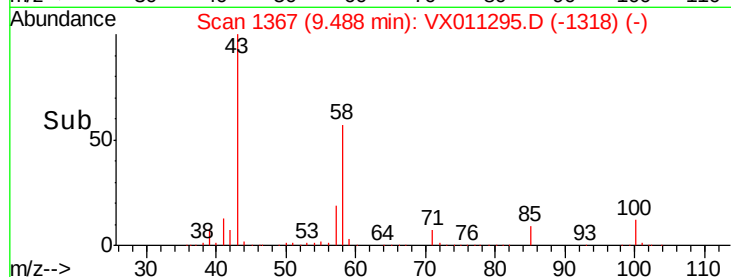
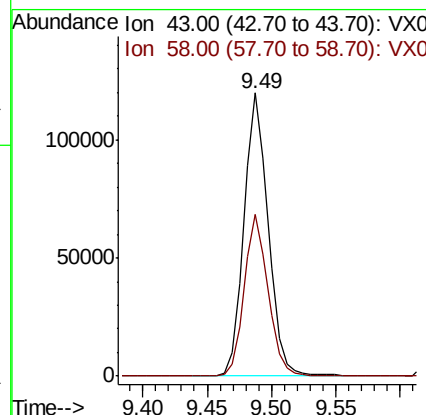
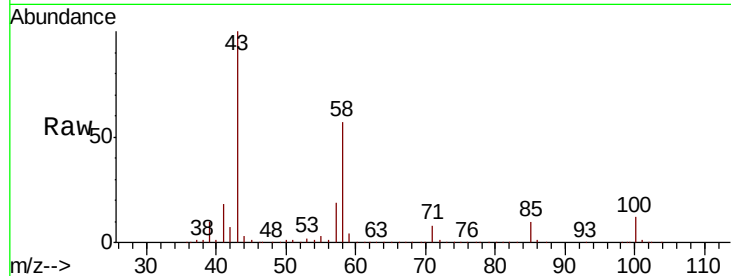
#59
2-Hexanone
Concen: 100.148 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampled :
VX0802MBS01

Tot Ion: 43 Resp: 155406
Ion Ratio Lower Upper
43 100
58 56.4 28.2 84.6

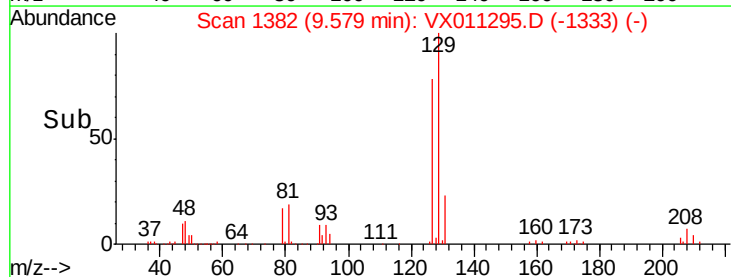
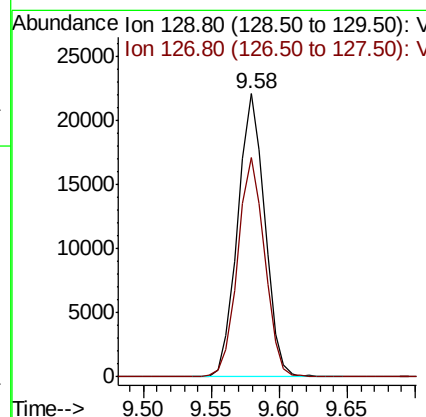
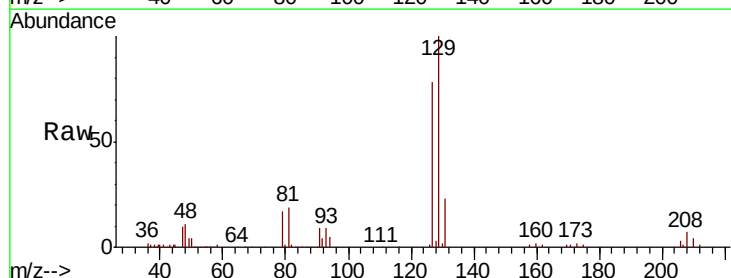
Manual Integrations
APPROVED

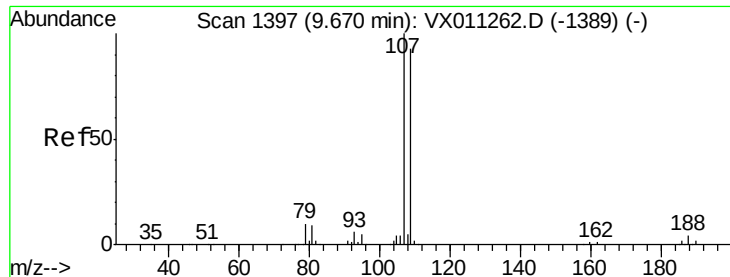
MMDadoda
8/6/2019 12:11:45 PM



#60
Dibromochloromethane
Concen: 19.128 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion: 129 Resp: 30751
Ion Ratio Lower Upper
129 100
127 76.9 39.2 117.6





#61

1,2-Dibromoethane

Concen: 19.760 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0802MBS01

Tot Ion:107 Resp: 33524

Ion Ratio Lower Upper

107 100

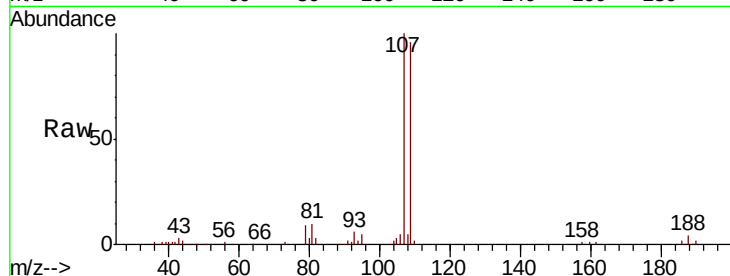
109 93.9 76.6 114.8

Manual Integrations

APPROVED

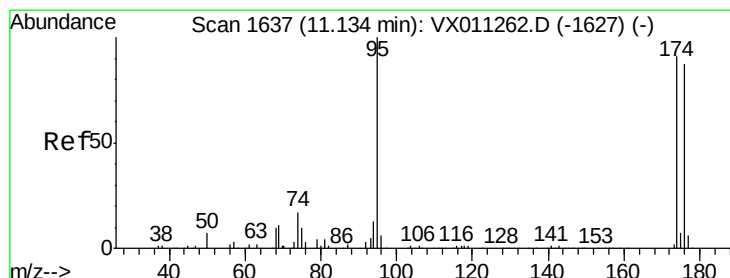
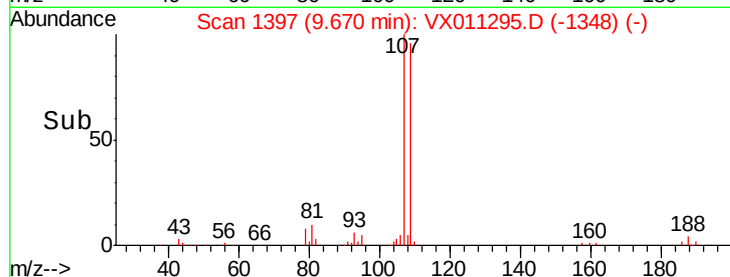
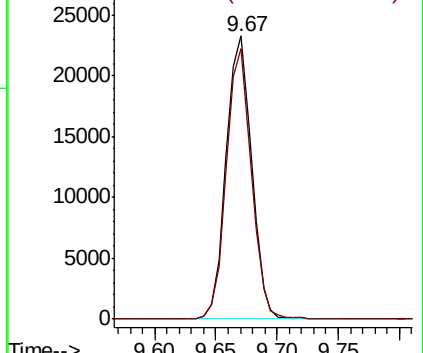
MMDadoda

8/6/2019 12:11:45 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.702 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

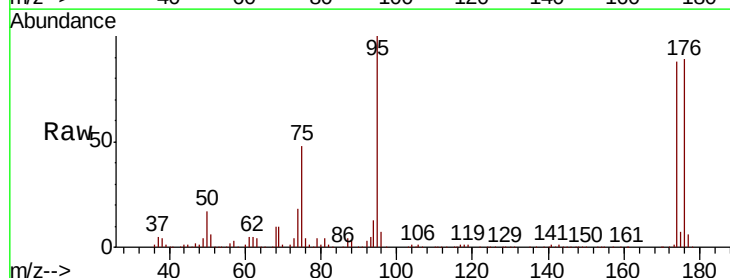
Tgt Ion: 95 Resp: 87203

Ion Ratio Lower Upper

95 100

174 96.7 0.0 191.2

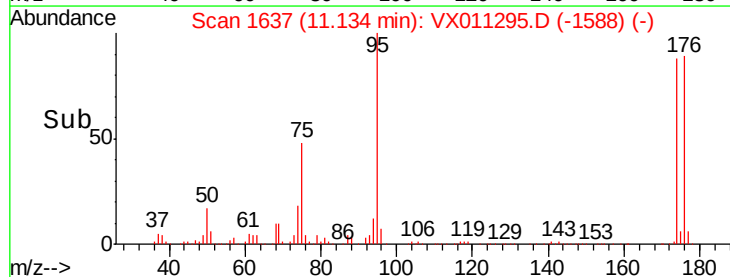
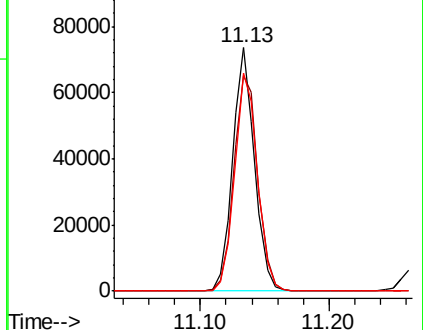
176 93.5 0.0 184.8

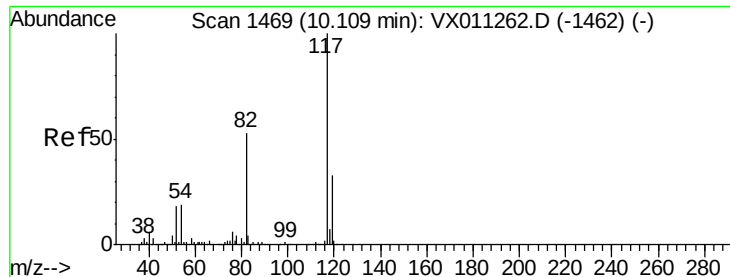


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





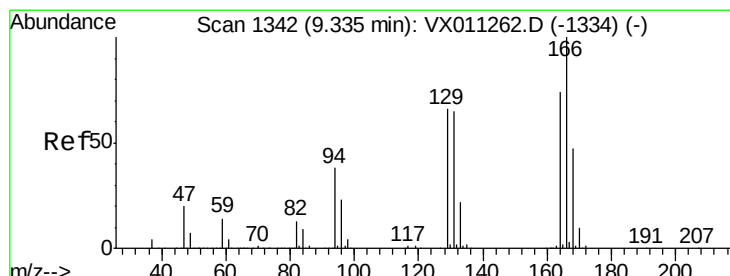
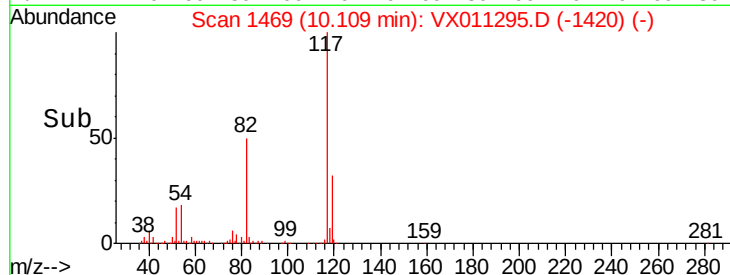
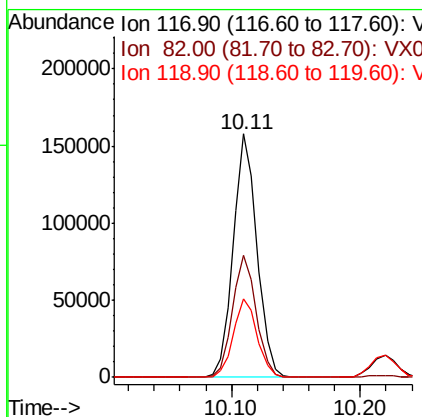
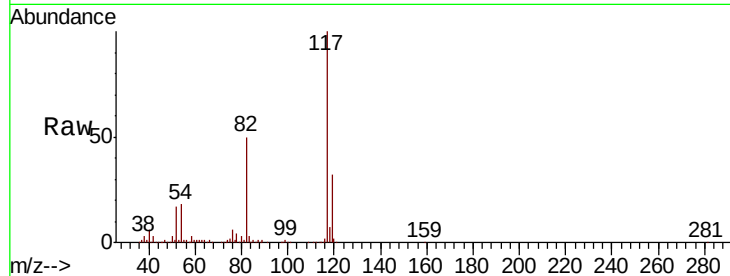
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0802MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.0	42.2	63.2
119	32.3	26.6	39.8

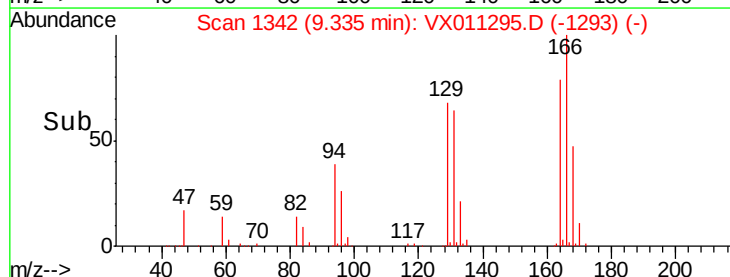
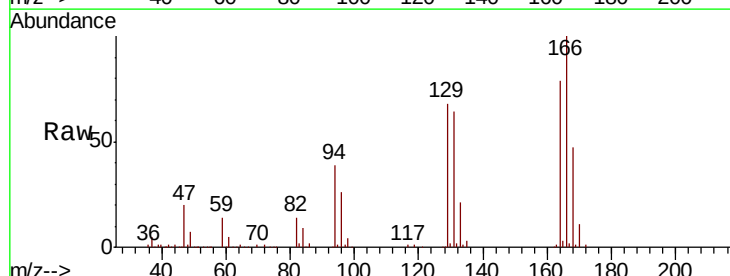
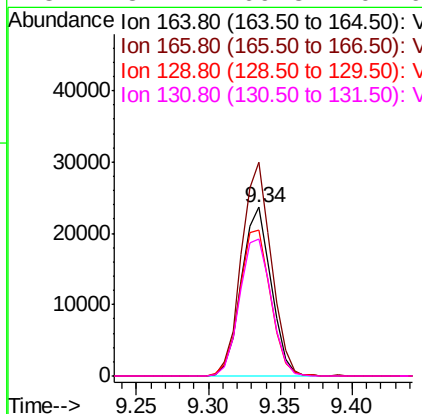
Manual Integrations
APPROVED

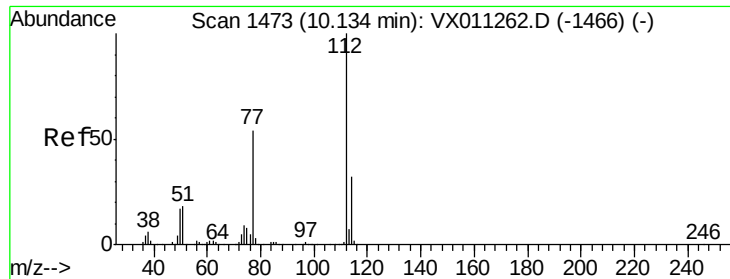
MMDadoda
8/6/2019 12:11:45 PM



#64
Tetrachloroethene
Concen: 19.633 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	107.5	161.3
129	86.6	71.0	106.4
131	81.2	69.8	104.6





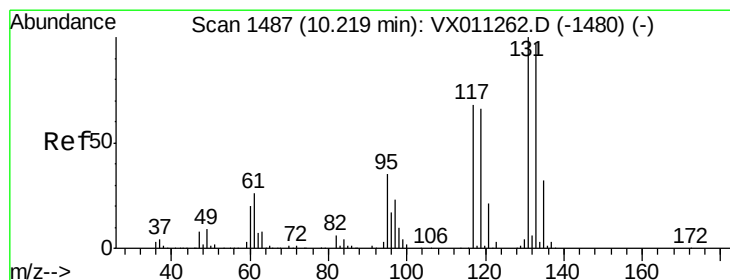
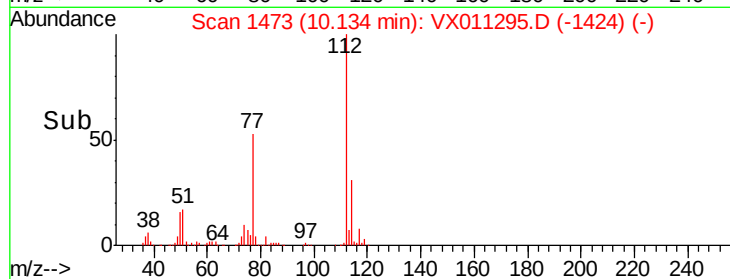
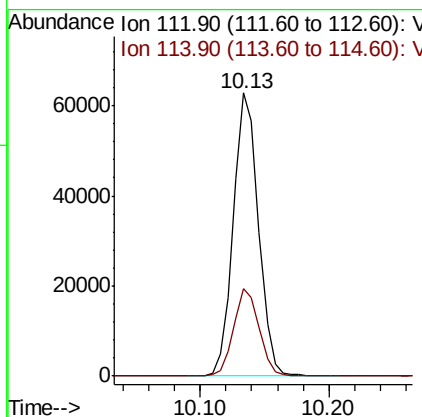
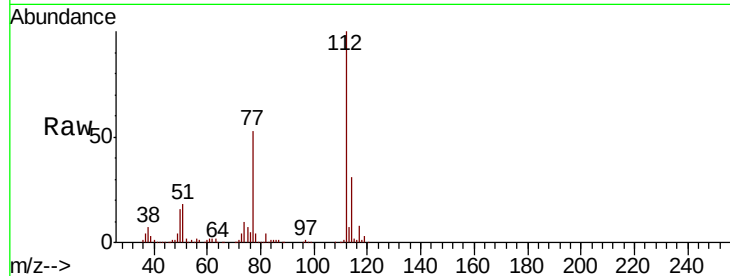
#65
Chlorobenzene
Concen: 19.656 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0802MBS01

Tot Ion:112 Resp: 85670
Ion Ratio Lower Upper
112 100
114 31.0 25.9 38.9

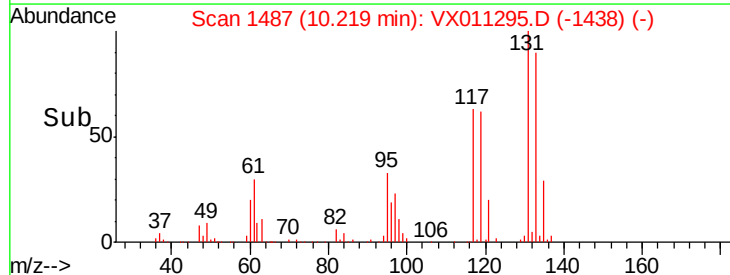
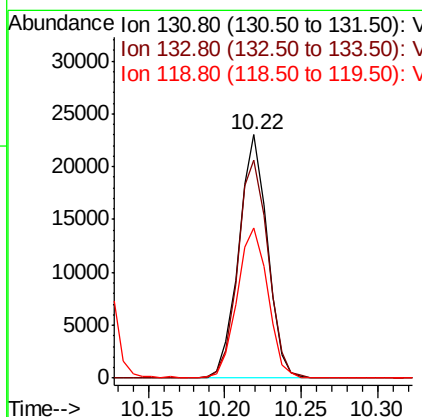
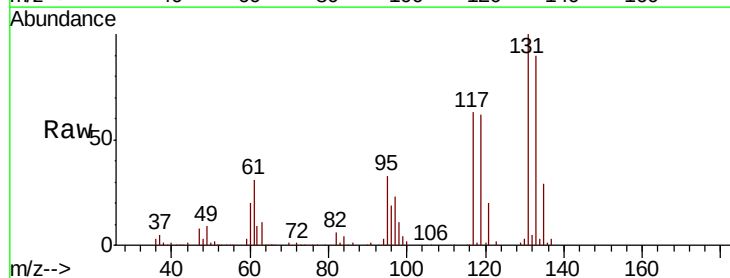
Manual Integrations
APPROVED

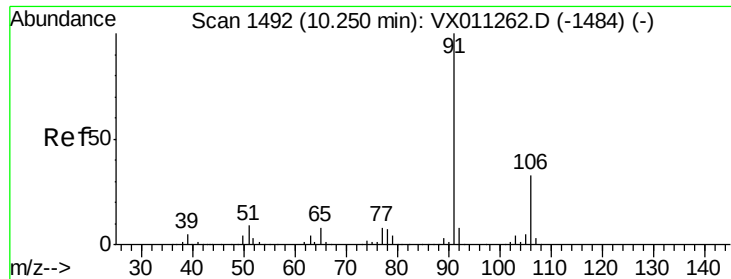
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.100 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion:131 Resp: 29991
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 66.0 32.8 98.3





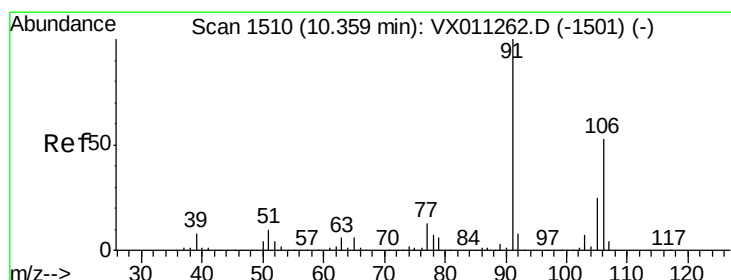
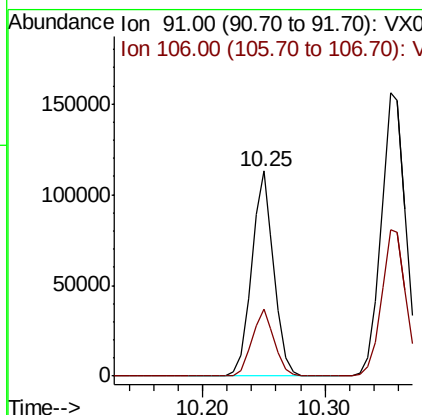
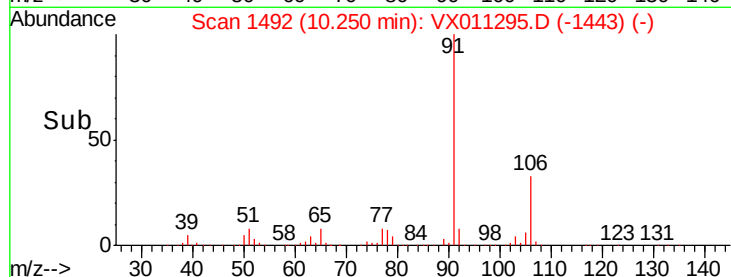
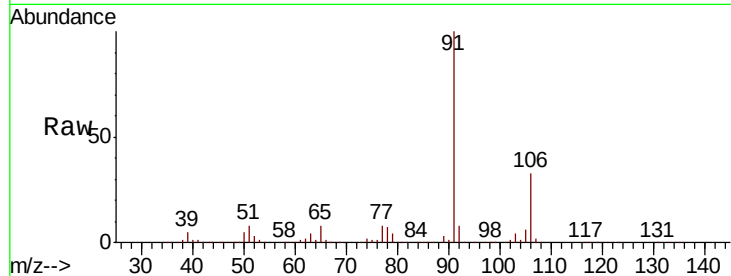
#67
Ethyl Benzene
Concen: 19.349 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampled :
VX0802MBS01

Tot Ion: 91 Resp: 141230
Ion Ratio Lower Upper
91 100
106 32.8 26.2 39.4

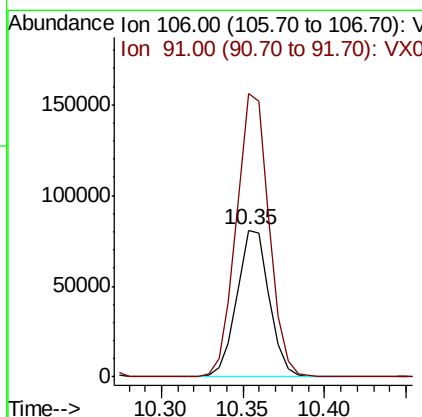
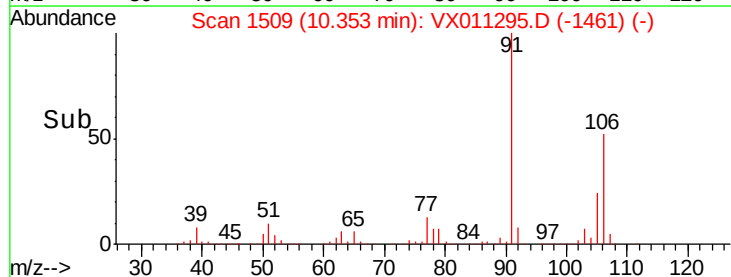
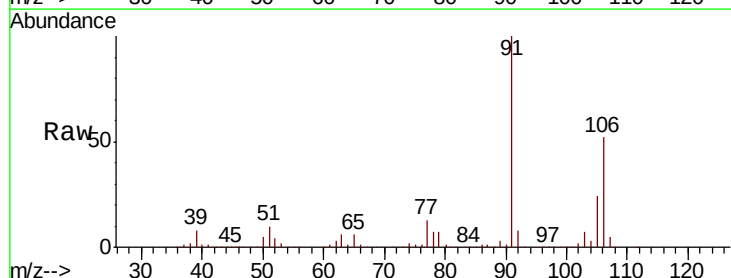
Manual Integrations
APPROVED

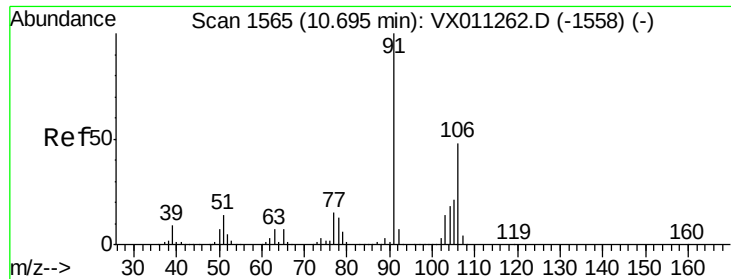
MMDadoda
8/6/2019 12:11:45 PM



#68
m/p-Xylenes
Concen: 39.614 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion: 106 Resp: 111841
Ion Ratio Lower Upper
106 100
91 194.9 155.9 233.9





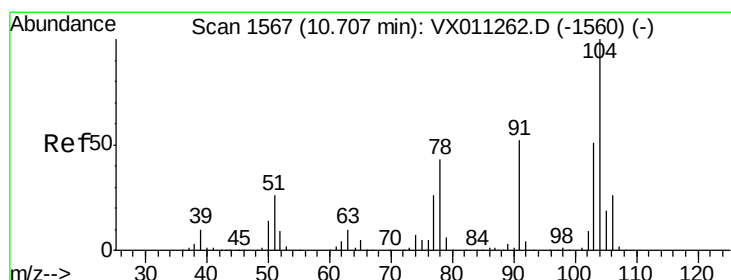
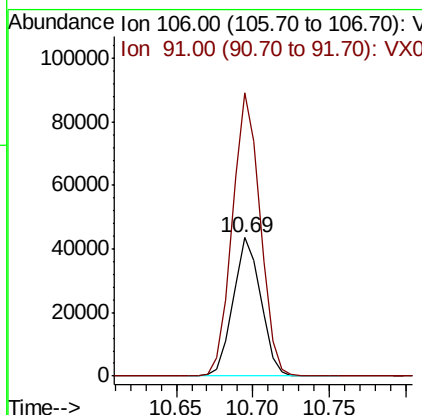
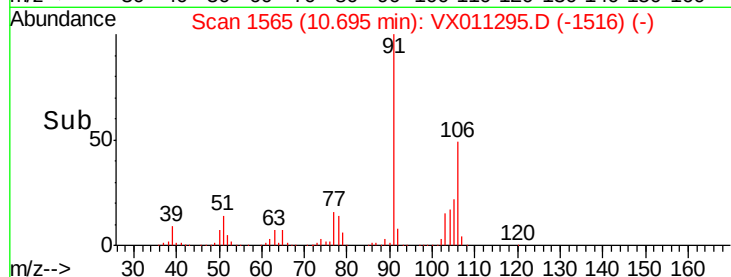
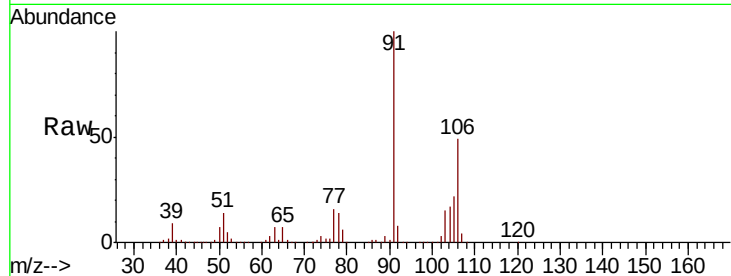
#69
o-Xylene
Concen: 19.716 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampled :
VX0802MBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.6	103.8	311.3	

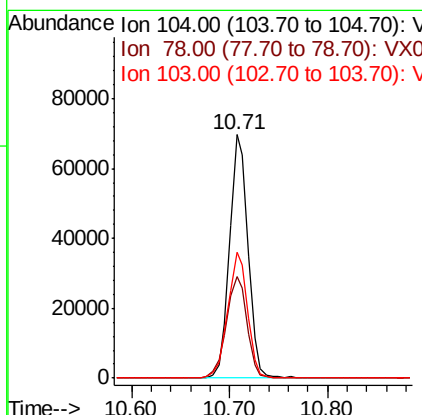
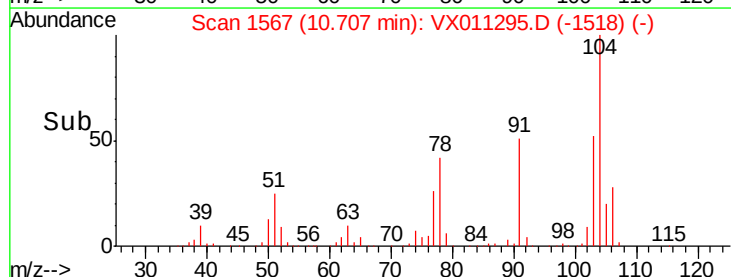
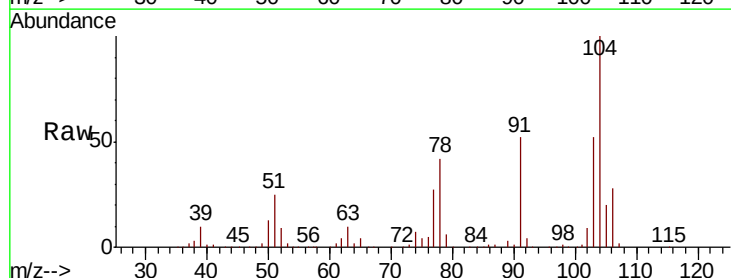
Manual Integrations
APPROVED

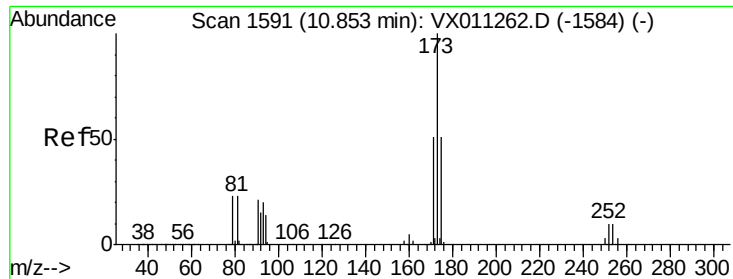
MMDadoda
8/6/2019 12:11:45 PM



#70
Styrene
Concen: 19.889 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.7	36.9	55.3	
103	55.6	44.4	66.6	





#71

Bromoform

Concen: 18.728 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0802MBS01

Tot Ion:173 Resp: 22477

Ion Ratio Lower Upper

173 100

175 46.4 24.4 73.4

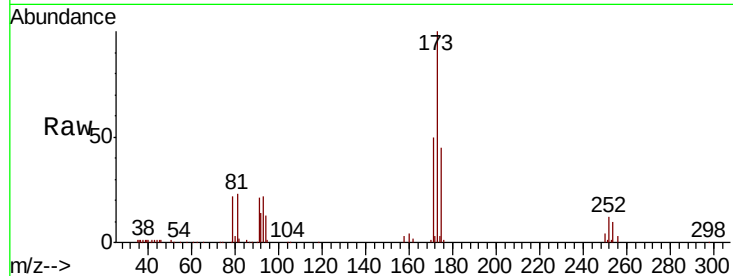
254 0.0 0.2 0.2#

Manual Integrations

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MMDadoda

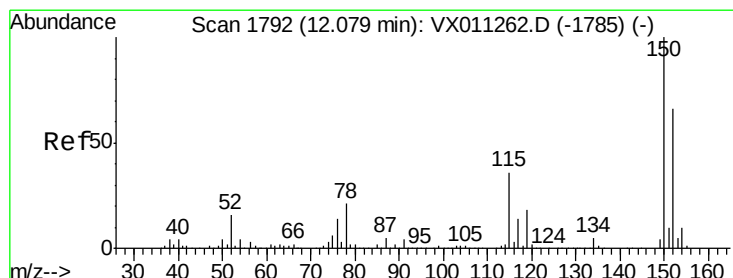
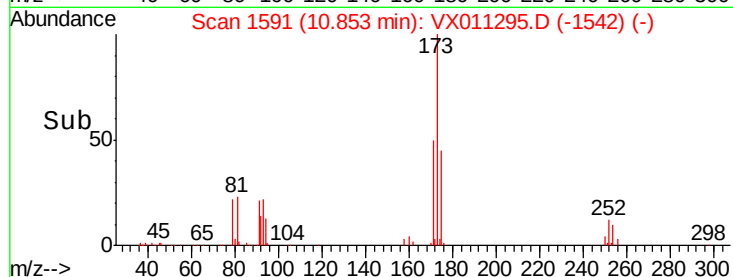
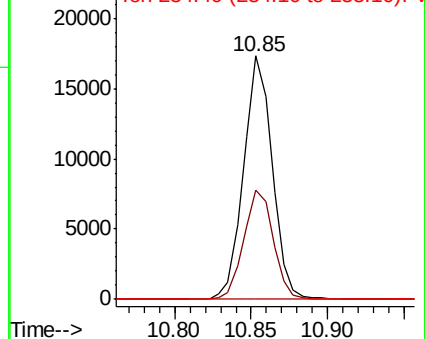
8/6/2019 12:11:45 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

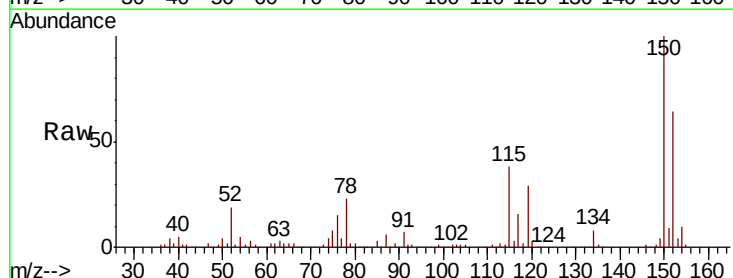
Tgt Ion:152 Resp: 105377

Ion Ratio Lower Upper

152 100

115 64.4 40.0 119.9

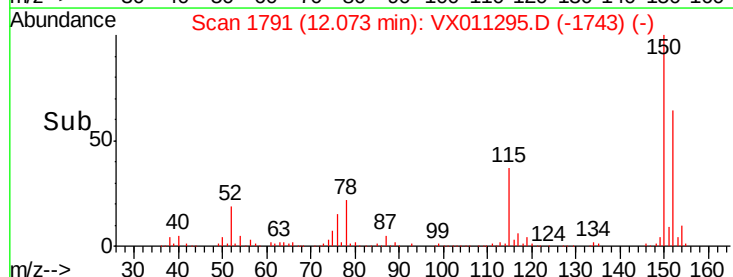
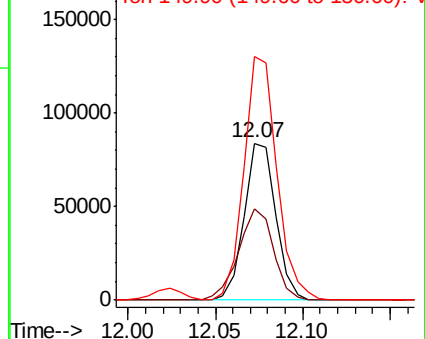
150 162.4 0.0 350.4

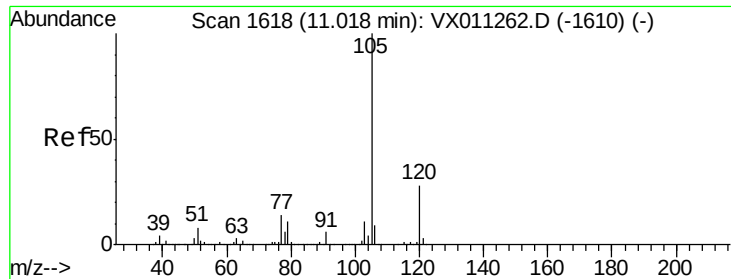


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.067 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0802MBS01

Tot Ion:105 Resp: 144623

Ion Ratio Lower Upper

105 100

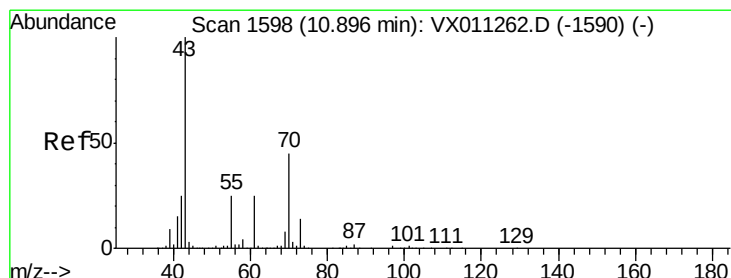
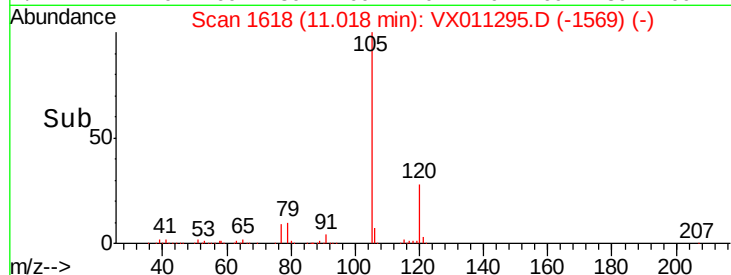
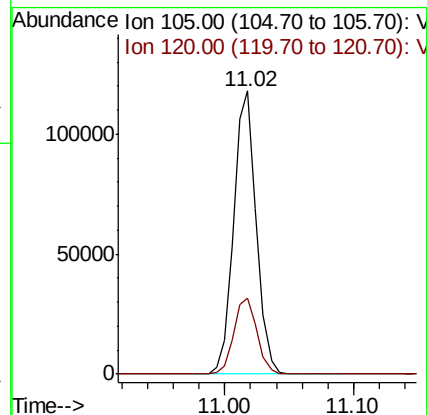
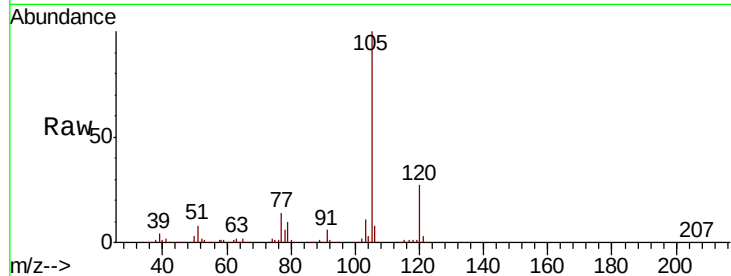
120 27.7 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.606 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Tgt Ion: 43 Resp: 53660

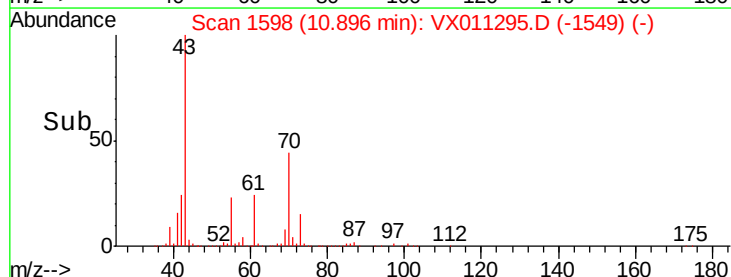
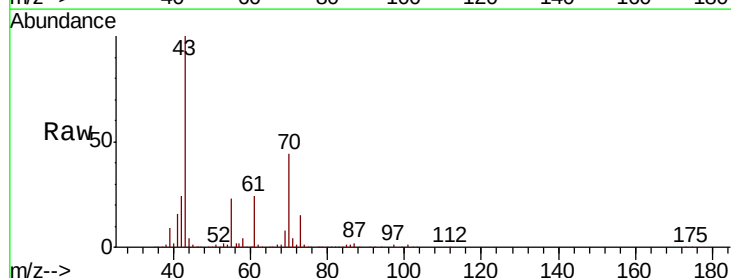
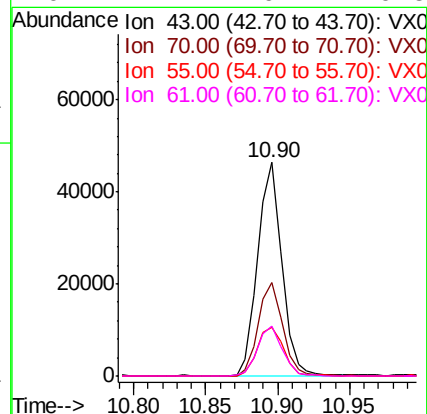
Ion Ratio Lower Upper

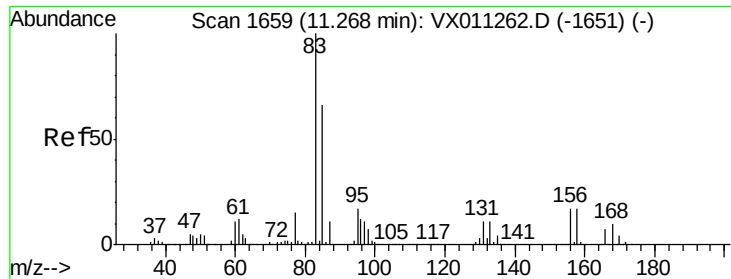
43 100

70 44.3 35.9 53.9

55 25.0 19.8 29.6

61 24.4 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.048 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

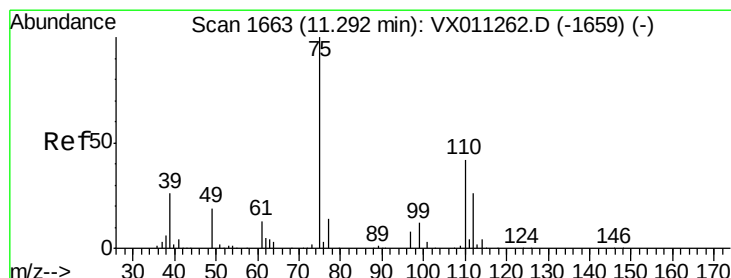
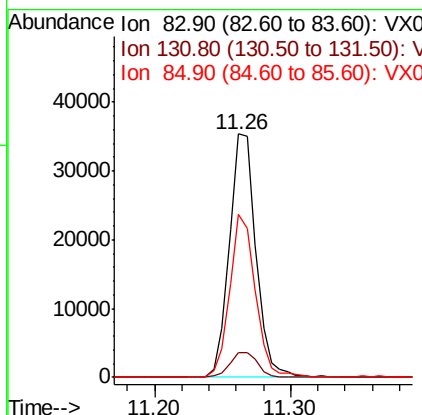
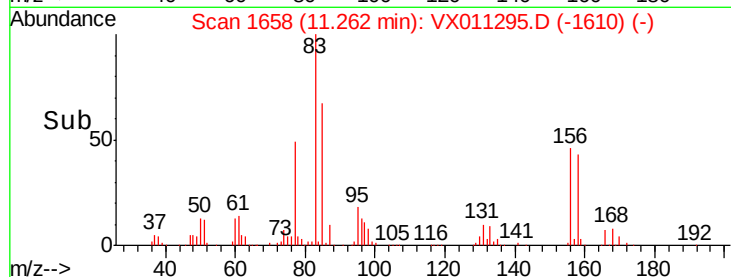
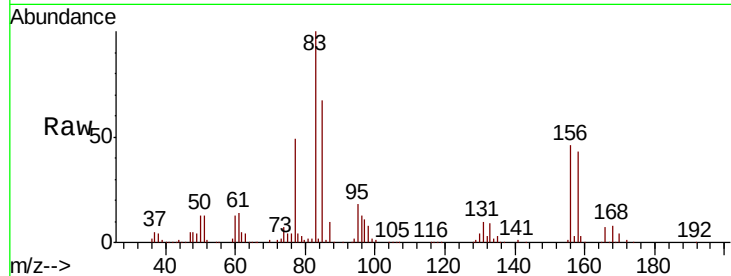
ClientSampleId :

VX0802MBS01

Tot Ion:	83	Resp:	48151
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.6	16.8
85	64.9	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.568 ug/l m

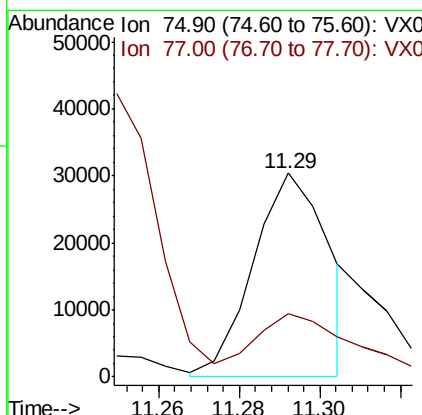
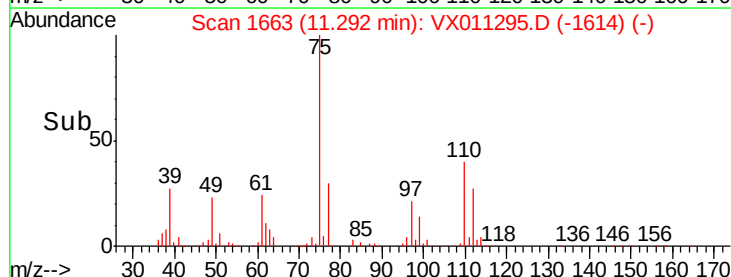
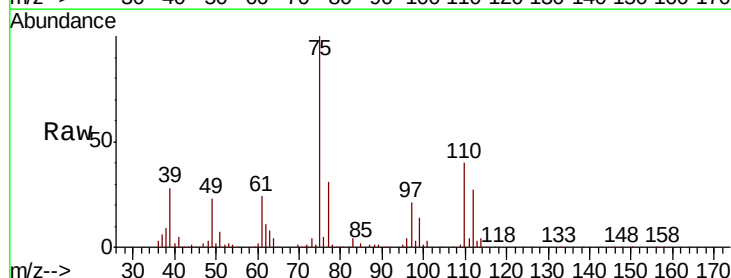
RT: 11.29 min Scan# 1663

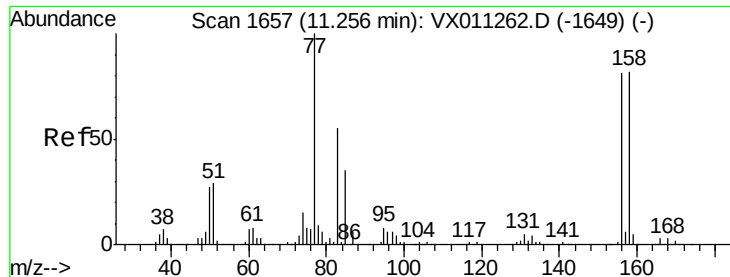
Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Tgt Ion:	75	Resp:	39471
Ion Ratio	Lower	Upper	
75	100		
77	40.9	21.1	63.4





#77

Bromobenzene

Concen: 19.779 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

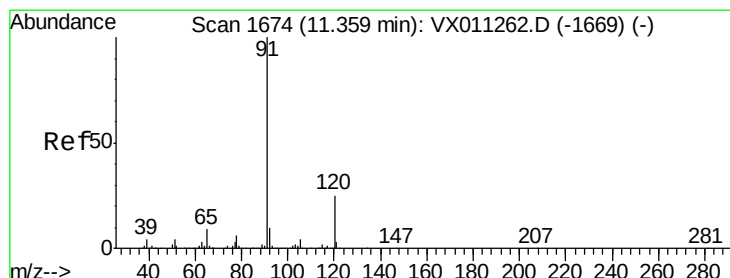
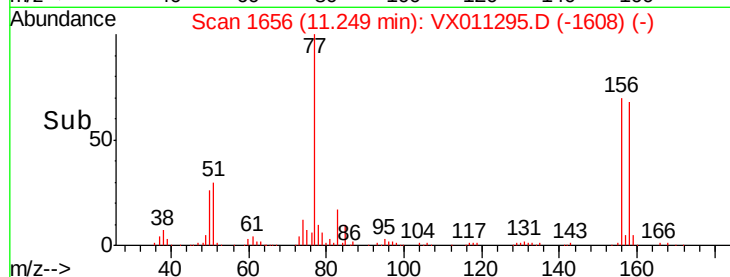
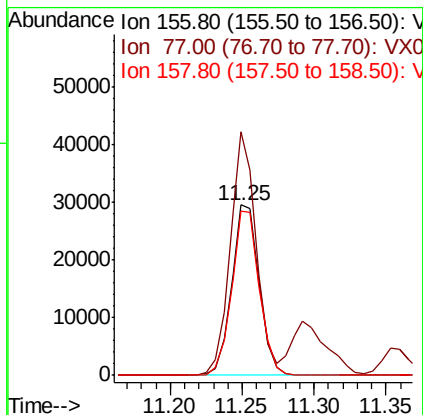
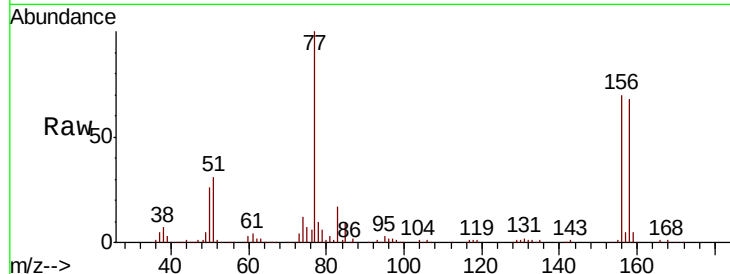
ClientSampled :

VX0802MBS01

Tot Ion:	156	Resp:	39528
Ion	Ratio	Lower	Upper
156	100		
77	134.1	66.2	198.6
158	96.6	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.090 ug/l

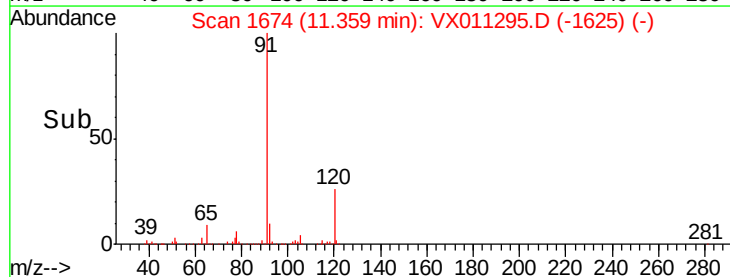
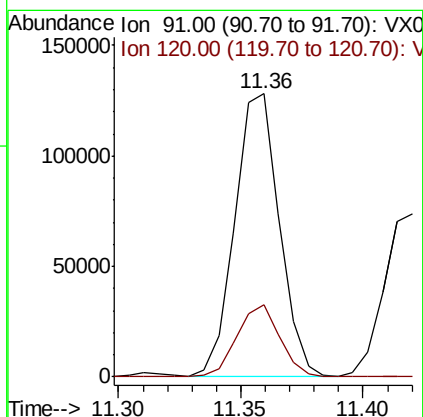
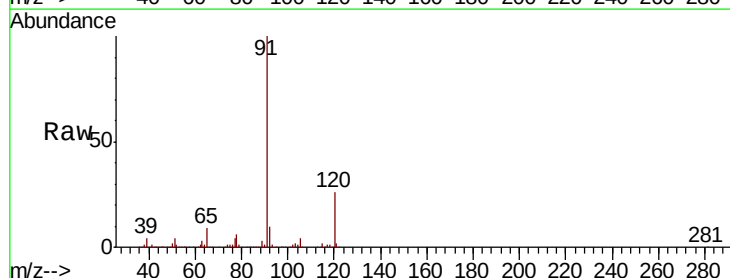
RT: 11.36 min Scan# 1674

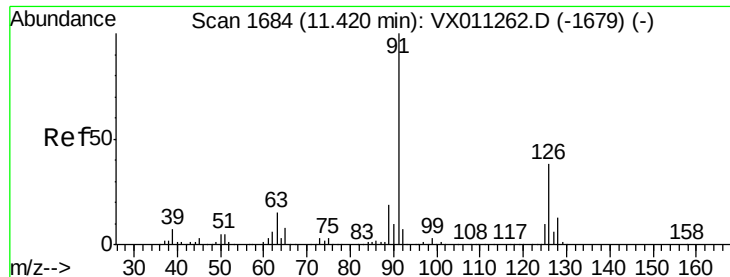
Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Tgt Ion:	91	Resp:	161014
Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.4	37.0





#79

2-Chlorotoluene

Concen: 19.815 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0802MBS01

Tot Ion: 91 Resp: 94655

Ion Ratio Lower Upper

91 100

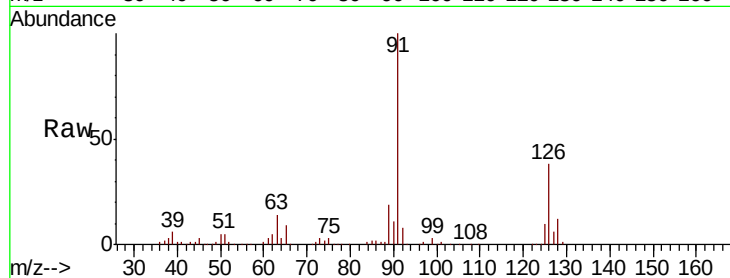
126 37.5 18.5 55.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX011262.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011262.D (-1679) (-)

150000

100000

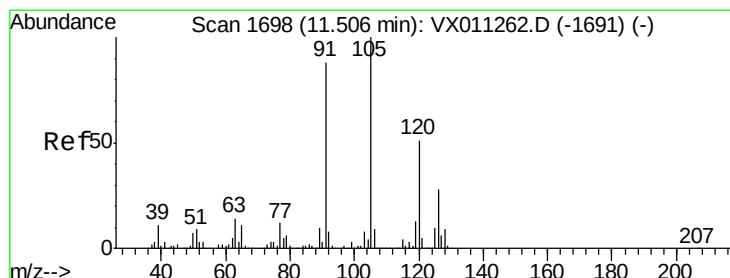
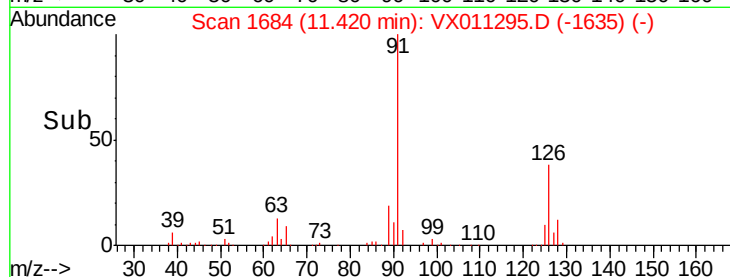
50000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.963 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011295.D

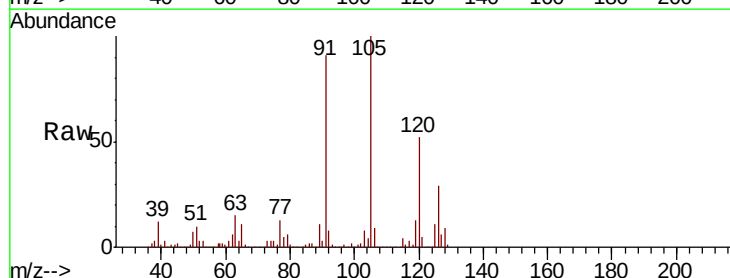
Acq: 02 Aug 2019 11:26

Tgt Ion: 105 Resp: 120435

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VX011262.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX011262.D (-1691) (-)

100000

80000

60000

40000

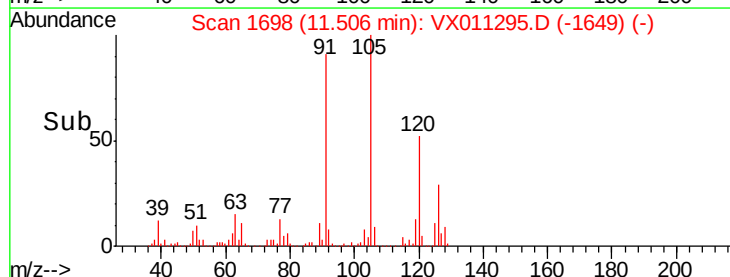
20000

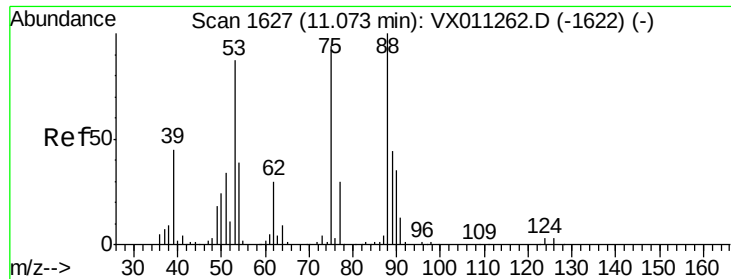
0

11.51

11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.444 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0802MBS01

Tot Ion: 75 Resp: 11787

Ion Ratio Lower Upper

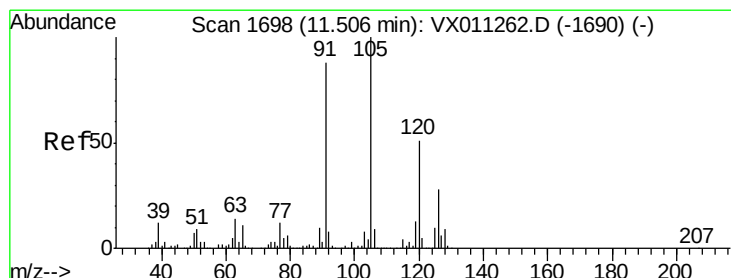
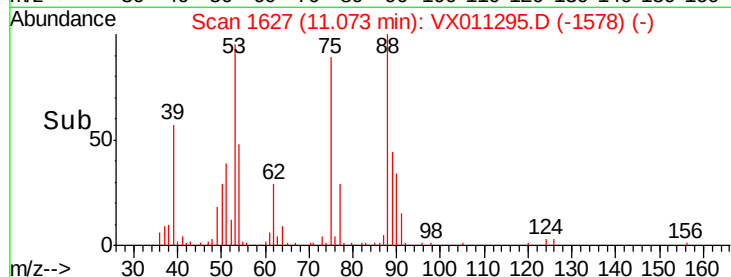
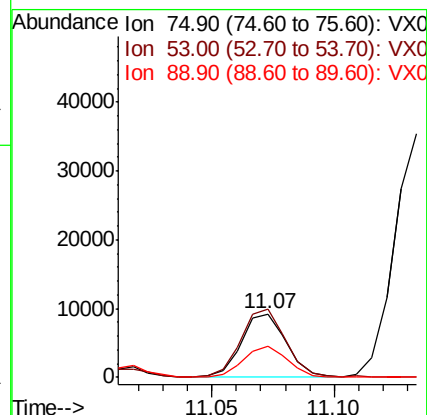
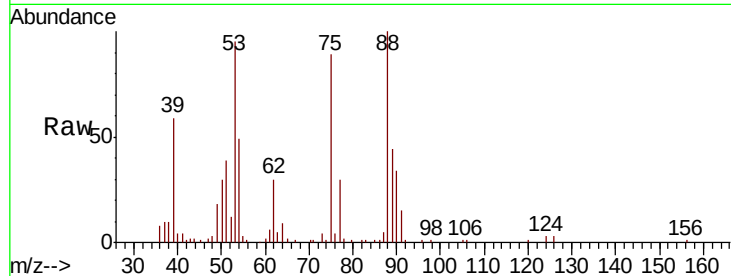
75 100

53 104.6 78.2 117.4

89 48.0 37.9 56.9

Manual Integrations
APPROVED

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#82

4-Chlorotoluene

Concen: 19.478 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011295.D

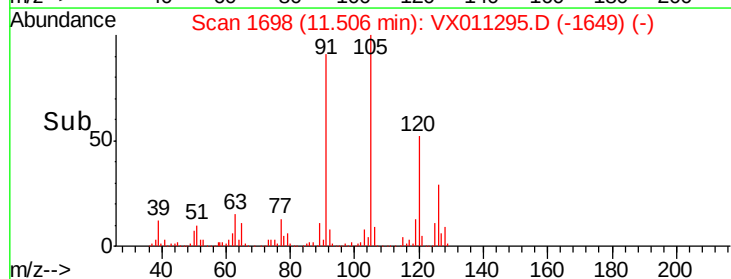
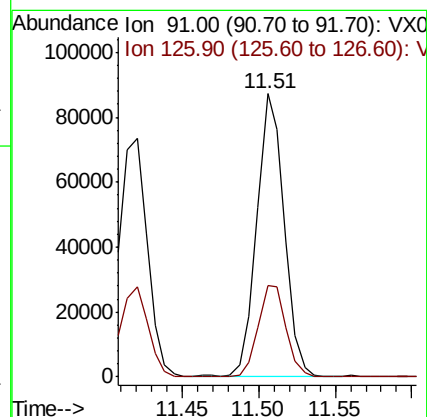
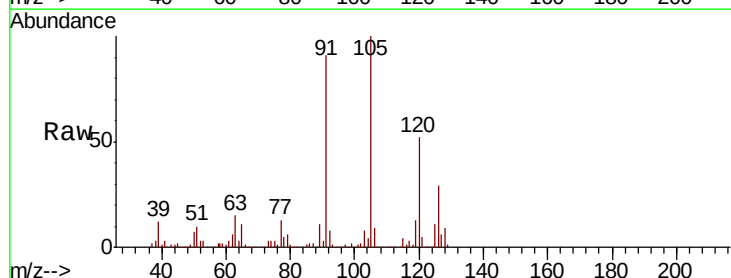
Acq: 02 Aug 2019 11:26

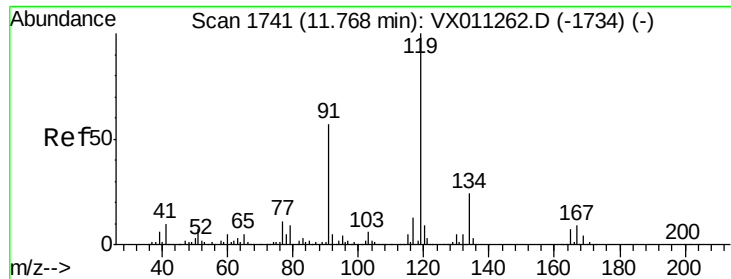
Tgt Ion: 91 Resp: 108441

Ion Ratio Lower Upper

91 100

126 33.0 16.4 49.2





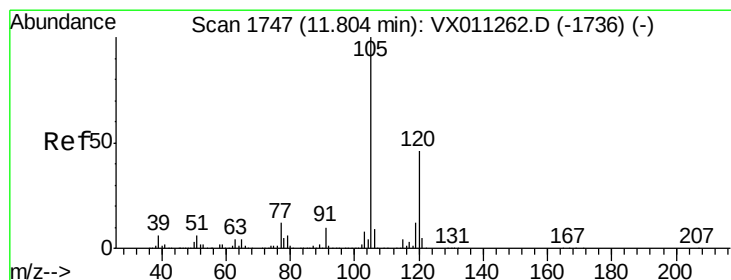
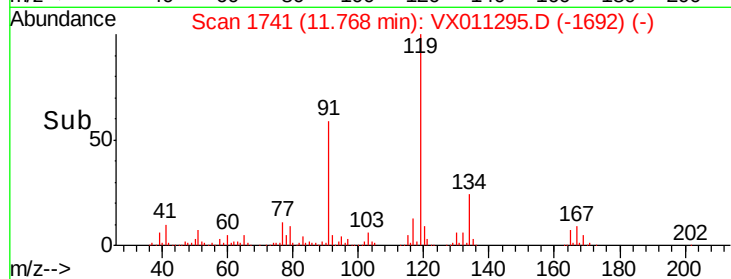
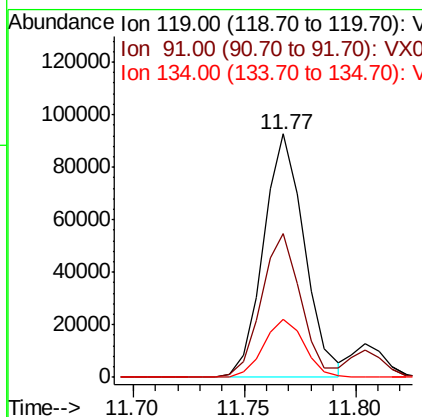
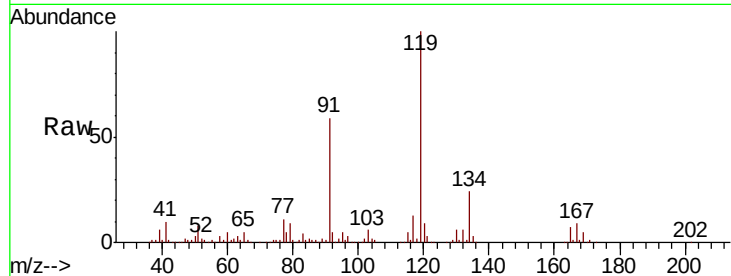
#83
 tert-Butylbenzene
 Concen: 19.989 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Instrument :
 MSVOA_X
 ClientSampled :
 VX0802MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	118278		
91	57.2	28.0	84.0	
134	23.9	11.9	35.5	

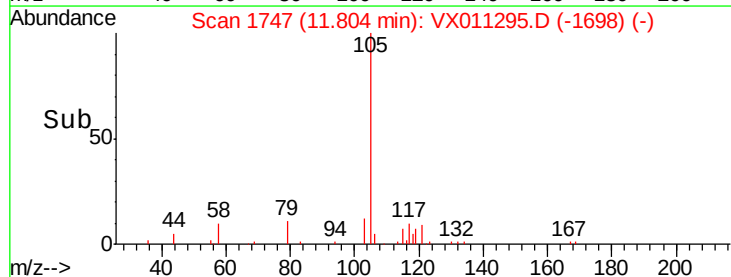
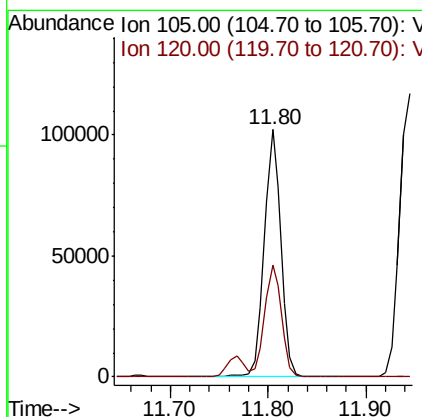
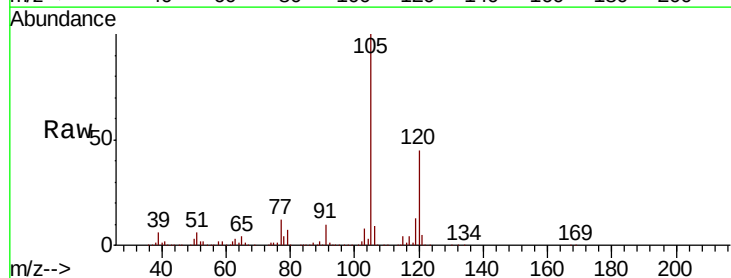
Manual Integrations
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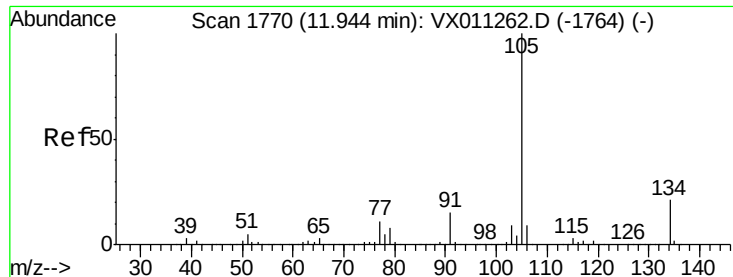
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.322 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	122067		
120	46.3	23.0	69.0	





#85

sec-Butylbenzene

Concen: 20.084 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0802MBS01

Tot Ion:105 Resp: 142782

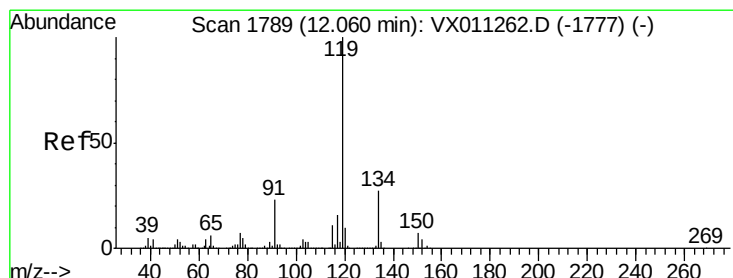
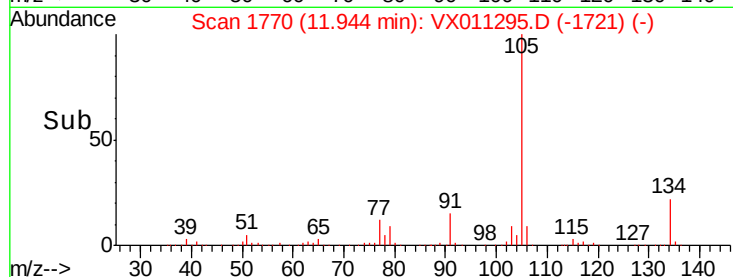
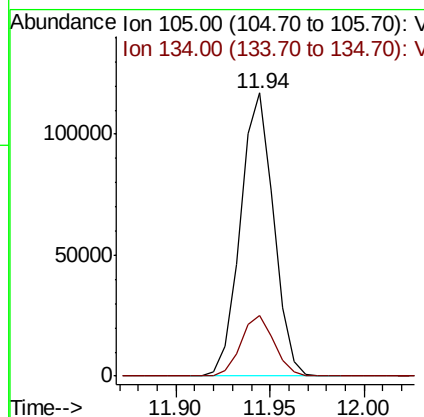
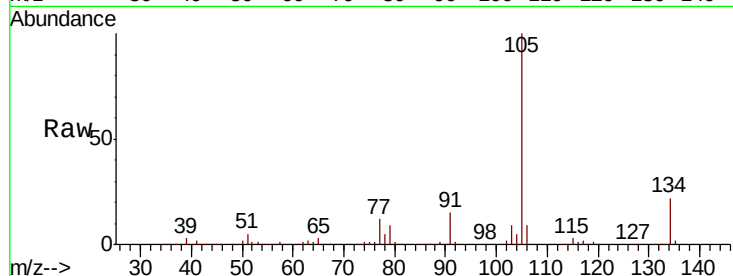
Ion Ratio Lower Upper

105 100

134 21.5 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.079 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

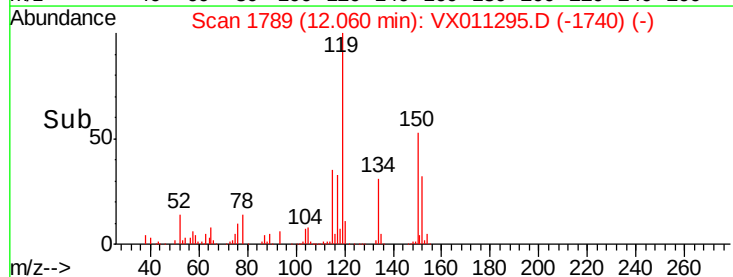
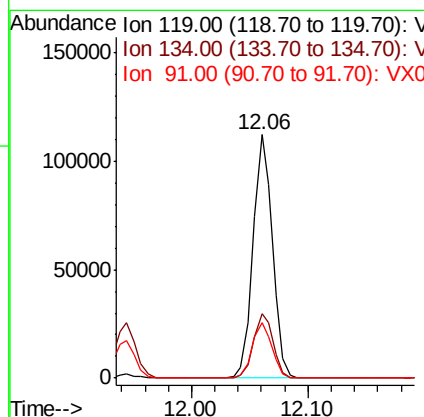
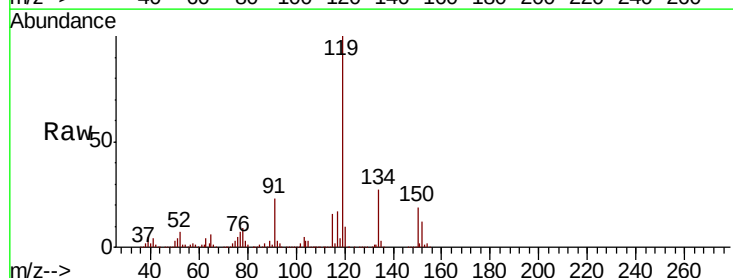
Tgt Ion:119 Resp: 131323

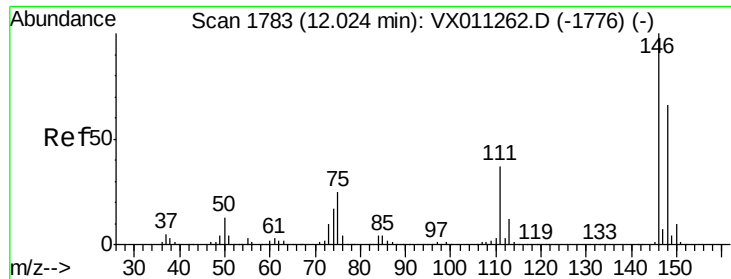
Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

91 22.9 11.4 34.2





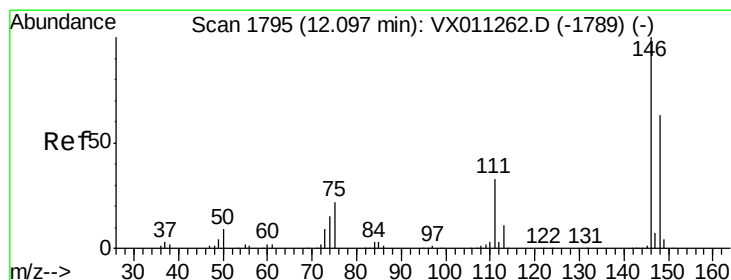
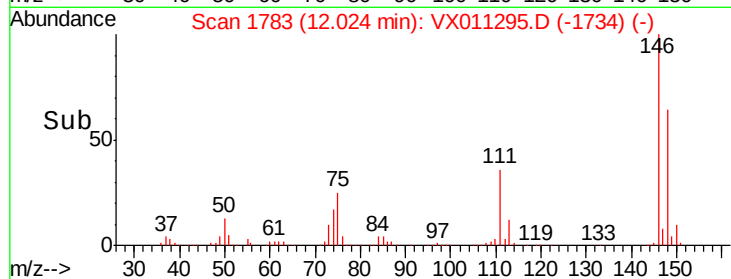
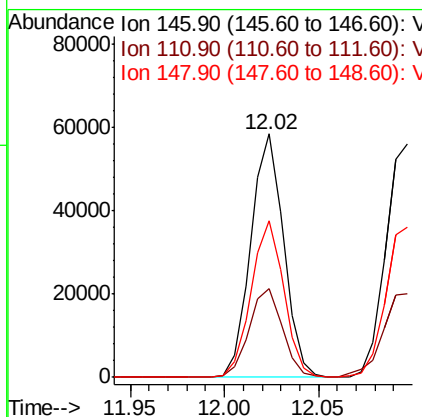
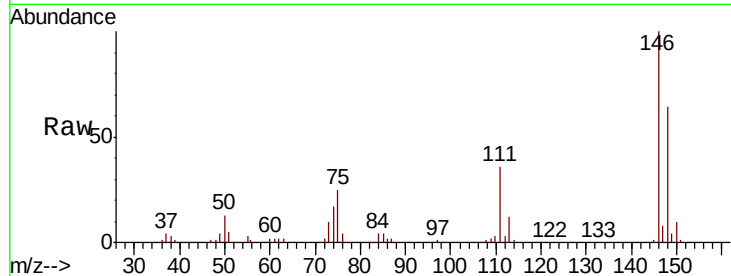
#87
 1,3-Dichlorobenzene
 Concen: 20.014 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.0	32.5	97.5

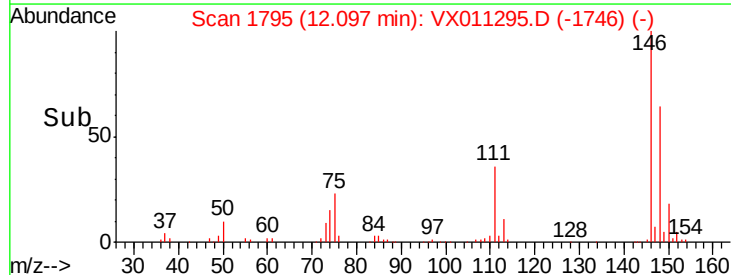
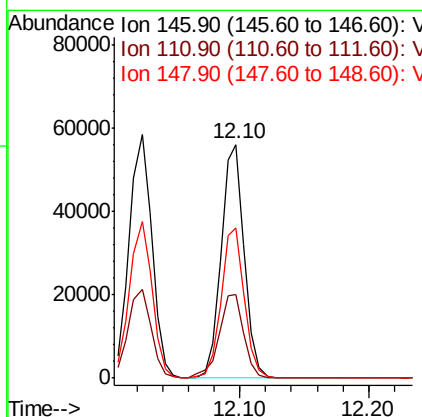
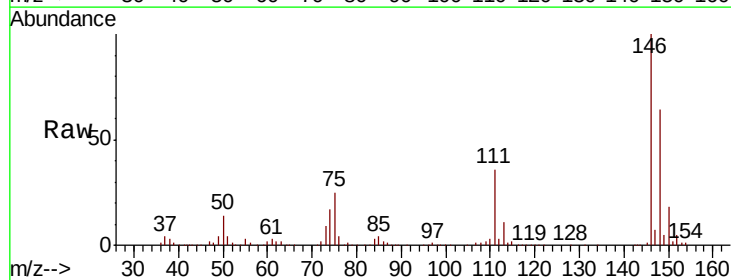
Manual Integrations
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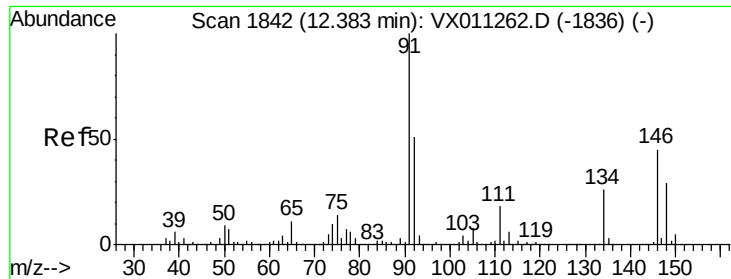
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#88
 1,4-Dichlorobenzene
 Concen: 19.401 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	17.8	53.4
148	64.8	31.8	95.3





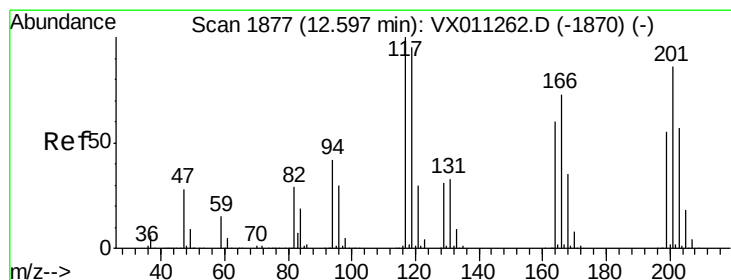
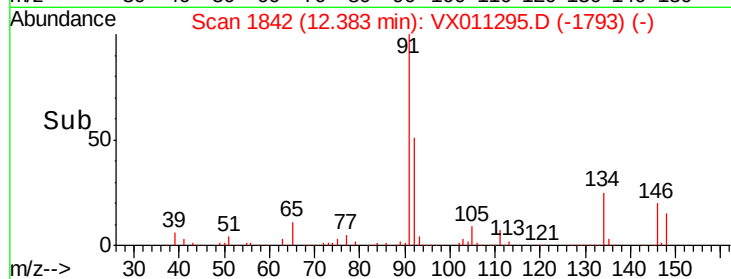
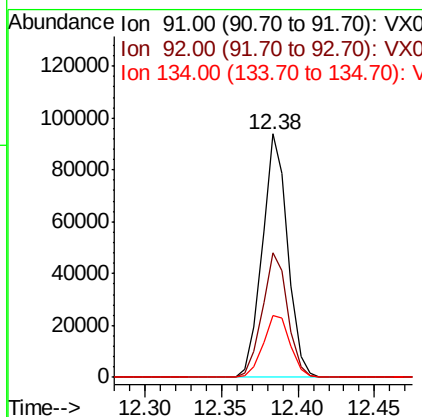
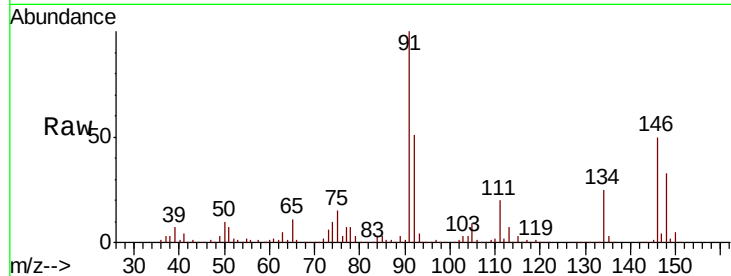
#89
n-Butylbenzene
Concen: 19.296 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampled :
VX0802MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.8	77.3
134	27.4	13.7	41.0

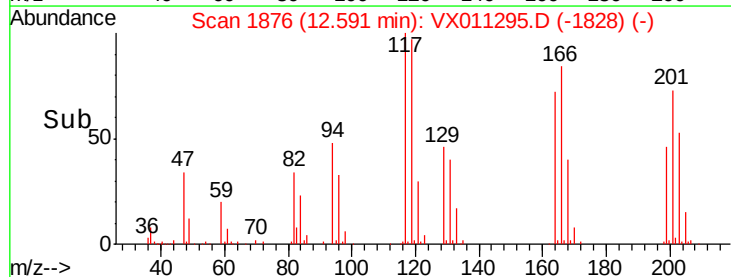
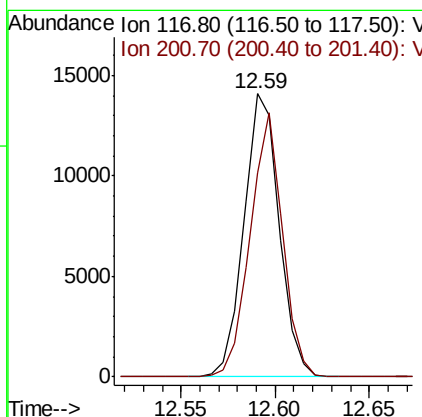
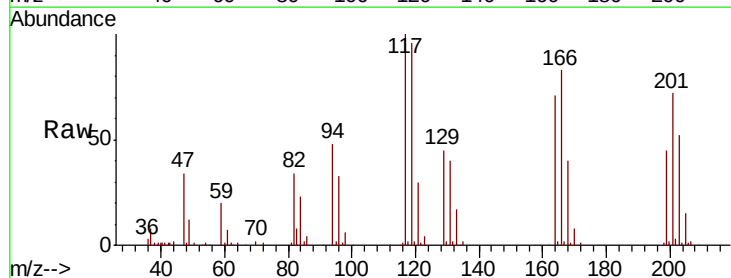
Manual Integrations
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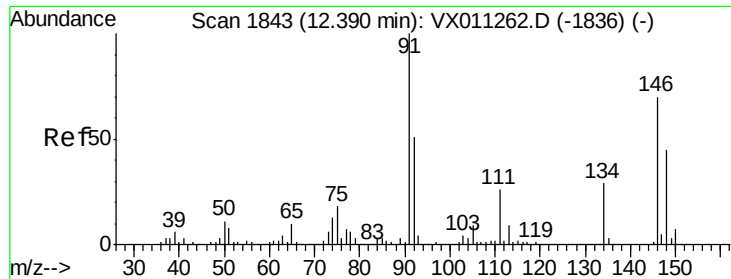
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#90
Hexachloroethane
Concen: 18.885 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	41.8	125.4





#91

1,2-Dichlorobenzene

Concen: 19.736 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Instrument :

MSVOA_X

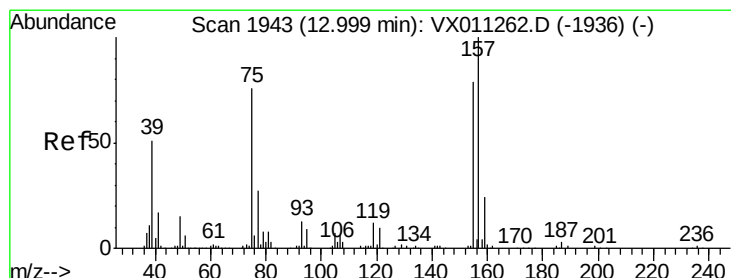
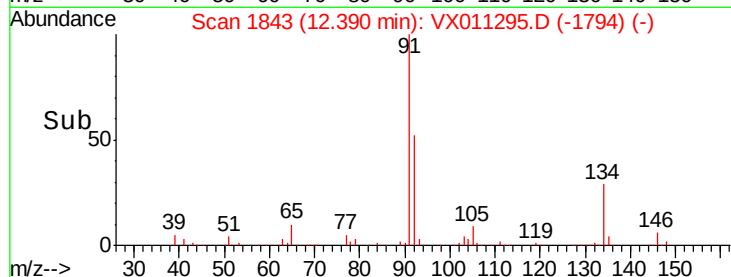
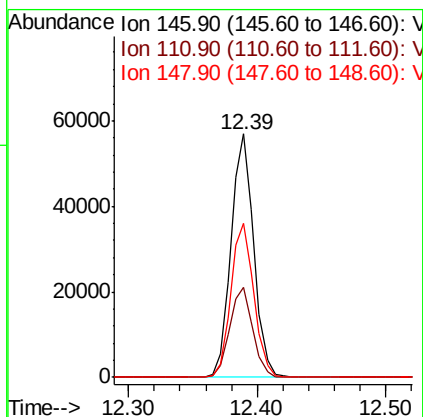
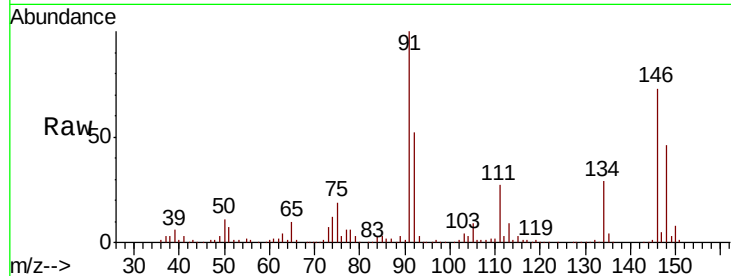
ClientSampleId :

VX0802MBS01

Tot Ion:	146	Resp:	70024
Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	64.2	32.3	96.8

Manual Integrations
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8/6/2019 12:11:45 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.547 ug/l

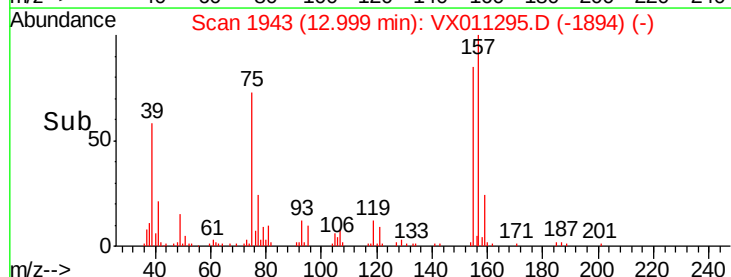
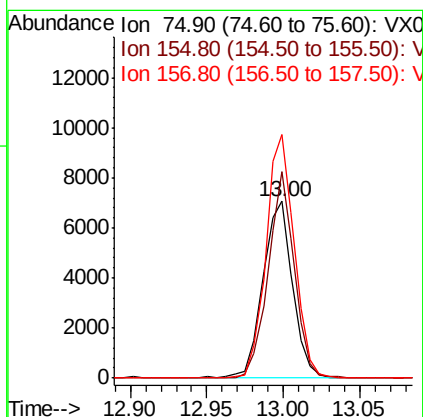
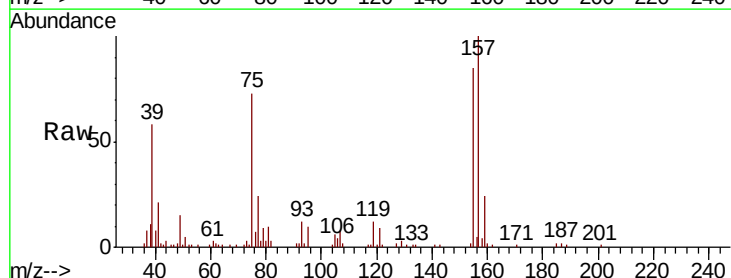
RT: 13.00 min Scan# 1943

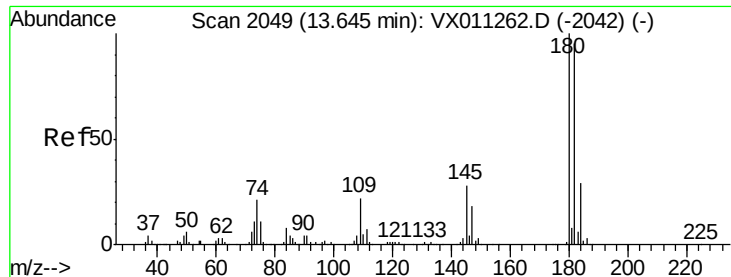
Delta R.T. 0.00 min

Lab File: VX011295.D

Acq: 02 Aug 2019 11:26

Tgt Ion:	75	Resp:	9561
Ion	Ratio	Lower	Upper
75	100		
155	102.8	51.9	155.8
157	130.9	64.3	192.7





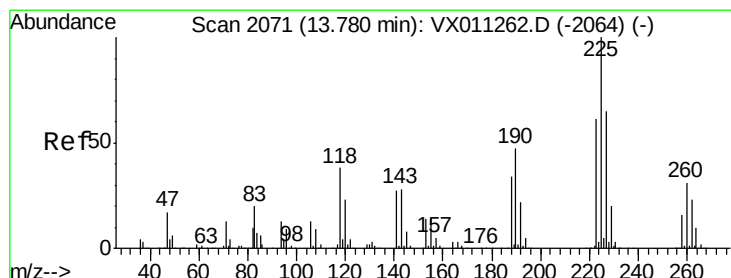
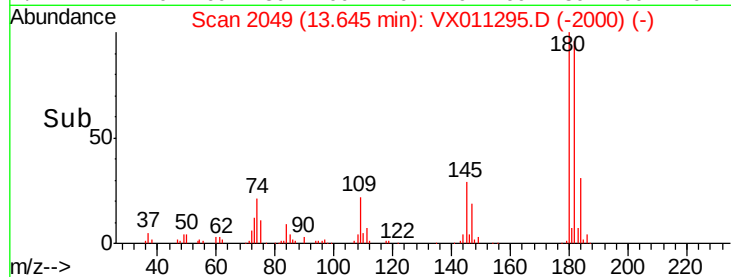
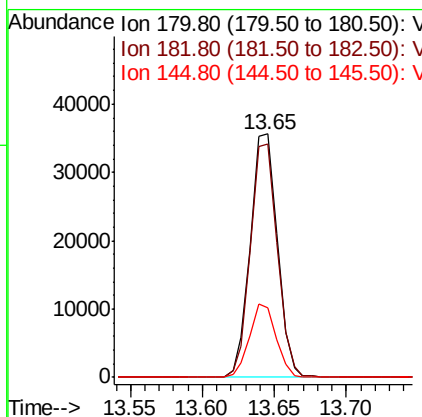
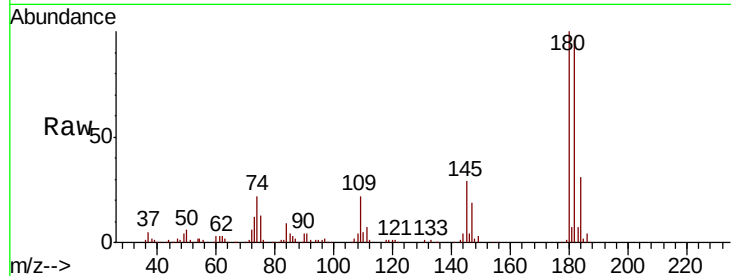
#93
 1,2,4-Trichlorobenzene
 Concen: 19.594 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802MBS01

Tot Ion:	180	Resp:	46104
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.8	143.4
145	29.5	14.8	44.3

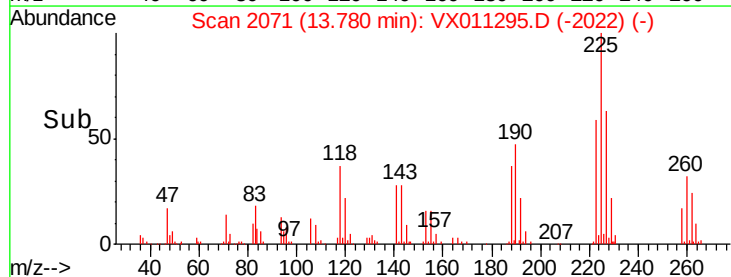
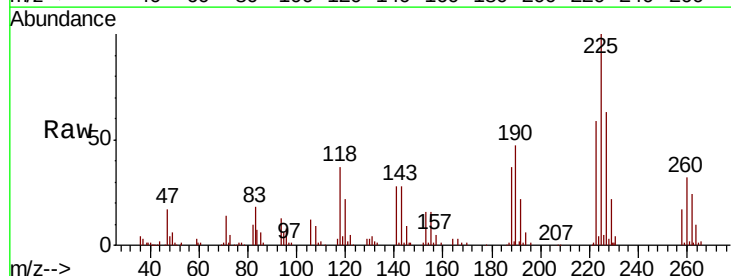
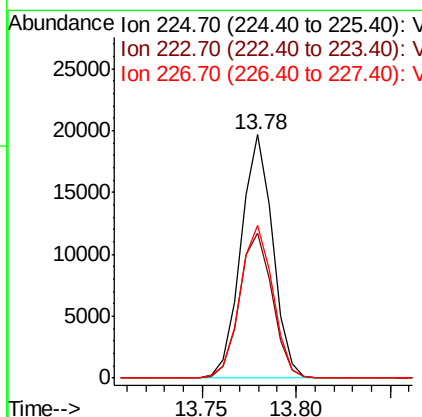
Manual Integrations
 APPROVED

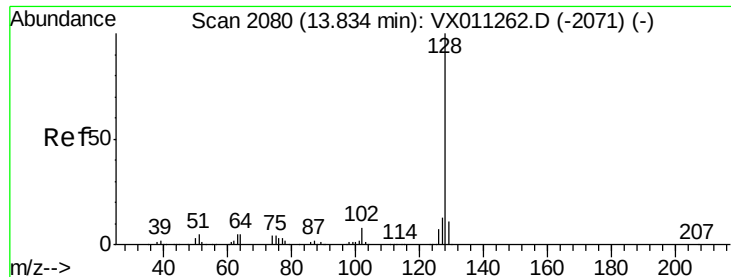
MMDadoda
 8/6/2019 12:11:45 PM



#94
 Hexachlorobutadiene
 Concen: 19.272 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011295.D
 Acq: 02 Aug 2019 11:26

Tgt Ion:	225	Resp:	23007
Ion Ratio	Lower	Upper	
225	100		
223	61.6	31.0	93.0
227	64.6	32.2	96.6





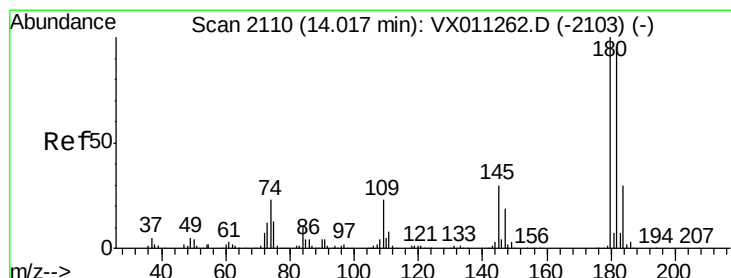
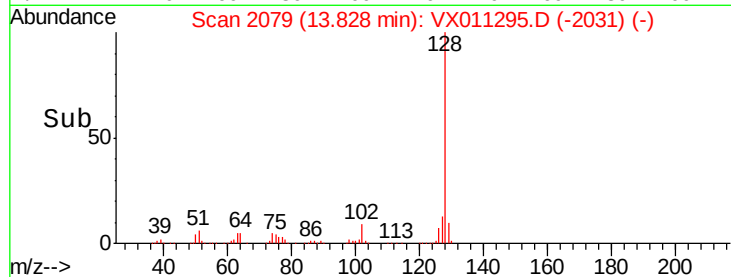
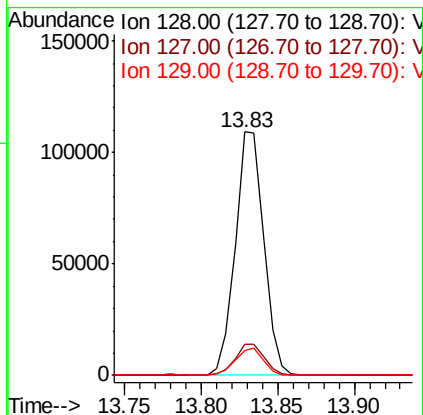
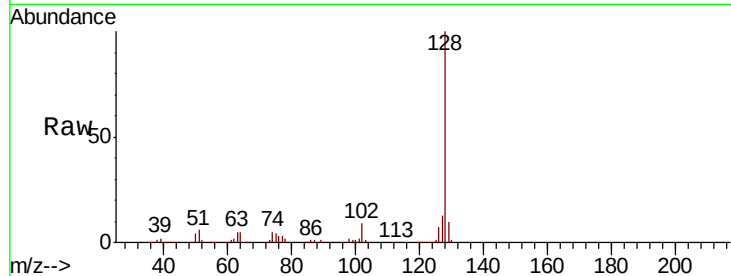
#95
Naphthalene
Concen: 20.549 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0802MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	141395		
127	13.1	10.4	15.6	
129	11.1	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.046 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011295.D
Acq: 02 Aug 2019 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47953		
182	94.8	47.4	142.3	
145	31.3	15.2	45.6	

