

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082119\
 Data File : VX011725.D
 Acq On : 21 Aug 2019 12:23
 Operator : JC/SP
 Sample : VX0821WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/22/2019 9:00:35 AM

Quant Time: Aug 21 19:12:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	337764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	491635	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	499292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	269191	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	170779	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	5.49	113	151977	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
50) Toluene-d8	8.71	98	519107	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
62) 4-Bromofluorobenzene	11.13	95	222025	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	77599	23.373	ug/l	100
3) Chloromethane	1.32	50	65487	18.991	ug/l	98
4) Vinyl Chloride	1.40	62	60803	19.520	ug/l	99
5) Bromomethane	1.63	94	37052	26.547	ug/l	99
6) Chloroethane	1.71	64	36353	24.658	ug/l	99
7) Trichlorofluoromethane	1.92	101	101511	23.528	ug/l	100
8) Diethyl Ether	2.18	74	35883	24.245	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63247	21.223	ug/l	98
10) Methyl Iodide	2.50	142	76001	17.902	ug/l	98
11) Tert butyl alcohol	3.04	59	81797	106.445	ug/l	99
12) 1,1-Dichloroethene	2.37	96	58087	20.169	ug/l	100
13) Acrolein	2.29	56	23760	107.774	ug/l	96
14) Allyl chloride	2.72	41	97925	20.440	ug/l	95
15) Acrylonitrile	3.13	53	192252	109.312	ug/l	100
16) Acetone	2.43	43	167633	106.435	ug/l	100
17) Carbon Disulfide	2.56	76	124503	18.346	ug/l	99
18) Methyl Acetate	2.76	43	112831	23.099	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	215606	22.987	ug/l	99
20) Methylene Chloride	2.85	84	70253	21.244	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	66065	21.647	ug/l	98
22) Diisopropyl ether	3.85	45	207264	21.724	ug/l	94
23) Vinyl Acetate	3.81	43	815487	107.938	ug/l	99
24) 1,1-Dichloroethane	3.69	63	118046	21.884	ug/l	99
25) 2-Butanone	4.67	43	255688	103.409	ug/l	100
26) 2,2-Dichloropropane	4.58	77	81524	20.080	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	74330	20.892	ug/l	99
28) Bromochloromethane	5.01	49	47505	20.061	ug/l	98
29) Tetrahydrofuran	5.12	42	162042	99.906	ug/l	96
30) Chloroform	5.20	83	122960	21.599	ug/l	100
31) Cyclohexane	5.57	56	89920	19.361	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	101562	20.748	ug/l	97
36) 1,1-Dichloropropene	5.79	75	80522	19.156	ug/l	99
37) Ethyl Acetate	4.82	43	94284	19.501	ug/l #	94
38) Carbon Tetrachloride	5.77	117	86041	18.579	ug/l	95

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	98876	19.048	ug/l	94
40) Benzene	6.13	78	247605	18.955	ug/l	100
41) Methacrylonitrile	5.04	41	52568	19.756	ug/l	98
42) 1,2-Dichloroethane	6.19	62	96491	21.321	ug/l	99
43) Isopropyl Acetate	6.44	43	137335	18.202	ug/l	98
44) Trichloroethene	7.21	130	74591	19.249	ug/l	96
45) 1,2-Dichloropropane	7.51	63	63075	19.362	ug/l	99
46) Dibromomethane	7.66	93	45664	19.289	ug/l	95
47) Bromodichloromethane	7.90	83	83032	19.102	ug/l	98
48) Methyl methacrylate	7.76	41	70663	18.912	ug/l	96
49) 1,4-Dioxane	7.74	88	38226	384.639	ug/l #	92
51) 4-Methyl-2-Pentanone	8.63	43	483162	97.833	ug/l	99
52) Toluene	8.78	92	169835	20.408	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	84089	18.640	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	97947	19.840	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	73206	20.686	ug/l	95
56) Ethyl methacrylate	9.18	69	104859	20.386	ug/l	97
57) 1,3-Dichloropropane	9.37	76	119193	21.188	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	259147	101.116	ug/l	99
59) 2-Hexanone	9.49	43	397456	104.362	ug/l	100
60) Dibromochloromethane	9.58	129	74496	20.204	ug/l	100
61) 1,2-Dibromoethane	9.67	107	78680	20.832	ug/l	98
64) Tetrachloroethene	9.34	164	80041	19.538	ug/l	97
65) Chlorobenzene	10.13	112	198661	18.655	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	72575	18.233	ug/l	99
67) Ethyl Benzene	10.25	91	341030	19.188	ug/l	99
68) m/p-Xylenes	10.35	106	264231	38.731	ug/l	98
69) o-Xylene	10.69	106	129049	19.311	ug/l	98
70) Styrene	10.71	104	219276	19.492	ug/l	99
71) Bromoform	10.85	173	57175	17.100	ug/l #	100
73) Isopropylbenzene	11.02	105	350656	20.075	ug/l	100
74) N-amyl acetate	10.90	43	132008	17.783	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	113271	18.851	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	97729m	19.146	ug/l	
77) Bromobenzene	11.25	156	101205	19.474	ug/l	99
78) n-propylbenzene	11.36	91	380878	20.222	ug/l	100
79) 2-Chlorotoluene	11.42	91	229071	19.806	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	298454	20.340	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	27017	17.537	ug/l	89
82) 4-Chlorotoluene	11.51	91	265127	19.759	ug/l	100
83) tert-Butylbenzene	11.77	119	295292	19.759	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	298582	20.269	ug/l	100
85) sec-Butylbenzene	11.94	105	337229	20.001	ug/l	100
86) p-Isopropyltoluene	12.06	119	323332	20.384	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	172404	19.300	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	175334	19.366	ug/l	98
89) n-Butylbenzene	12.38	91	262128	20.100	ug/l	100
90) Hexachloroethane	12.59	117	44586	17.800	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	174640	19.476	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	23650	17.204	ug/l	96

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Instrument :
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ClientSampleId :
VX0821WBS01

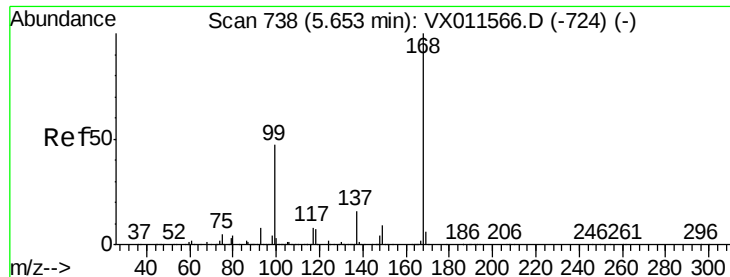
Manual Integrations
APPROVED

MMDadoda
8/22/2019 9:00:35 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	131063	19.617	ug/l	99
94) Hexachlorobutadiene	13.78	225	70079	19.263	ug/l	98
95) Naphthalene	13.83	128	388959	20.593	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	132256	19.626	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion:168 Resp: 337764

Ion Ratio Lower Upper

168 100

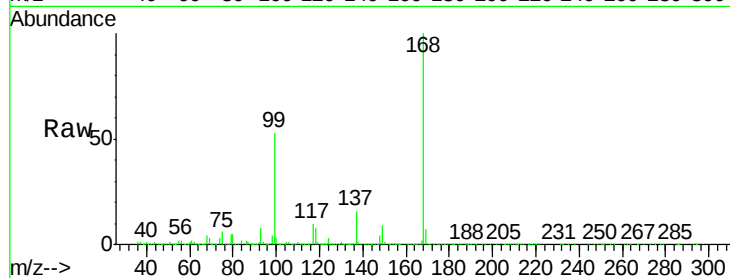
99 52.4 37.3 55.9

Manual Integrations

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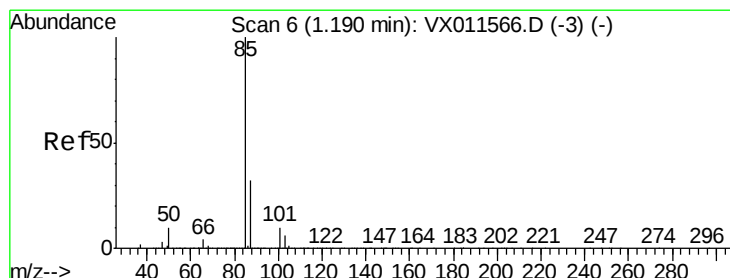
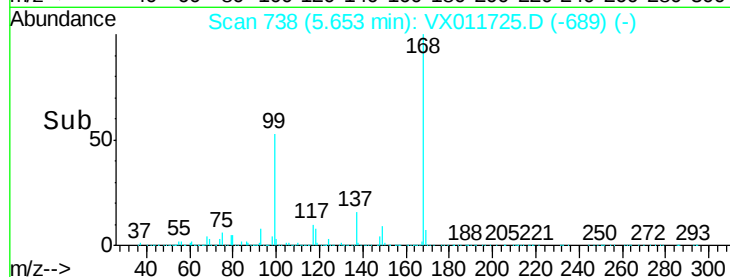
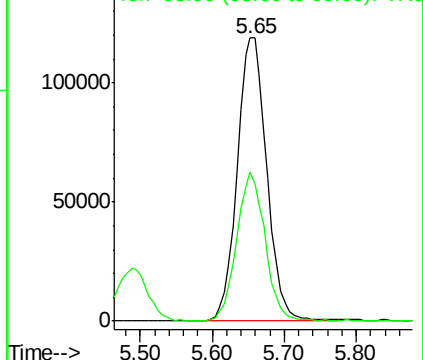
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 23.373 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011725.D

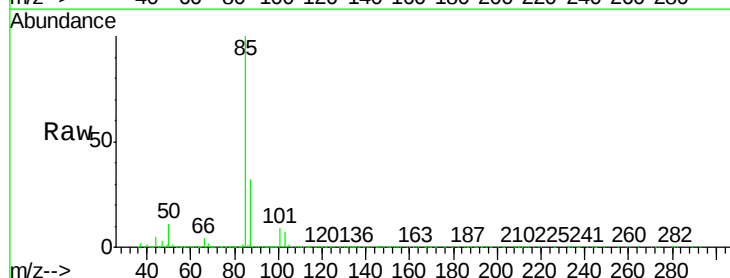
Acq: 21 Aug 2019 12:23

Tgt Ion: 85 Resp: 77599

Ion Ratio Lower Upper

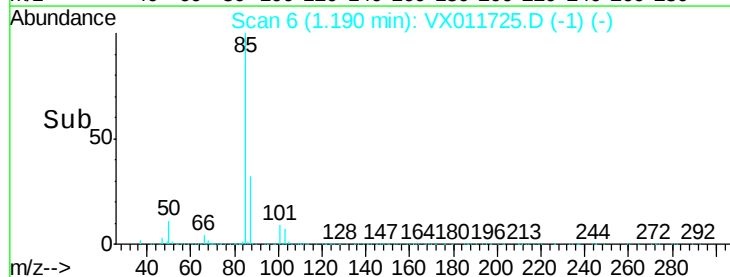
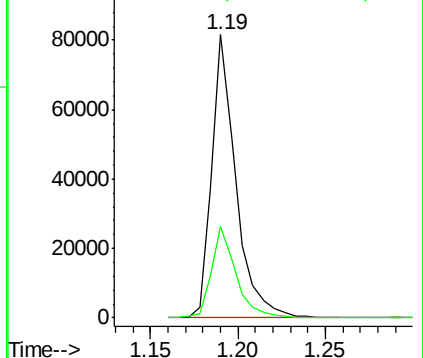
85 100

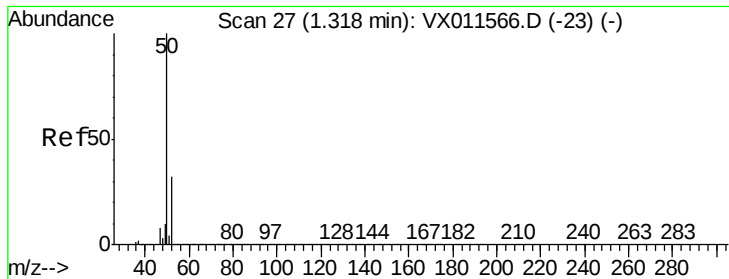
87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.991 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 50 Resp: 65487

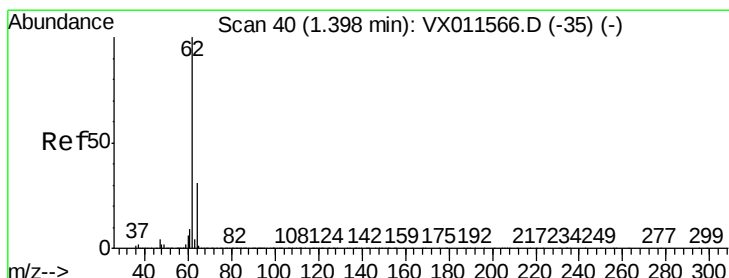
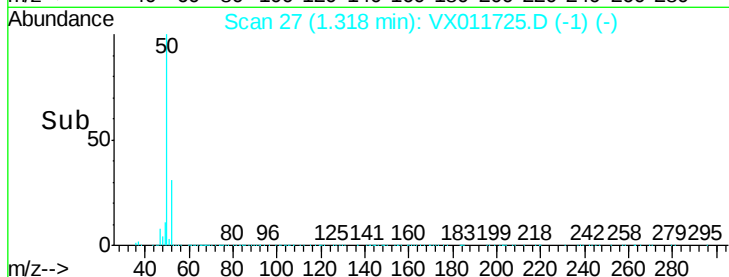
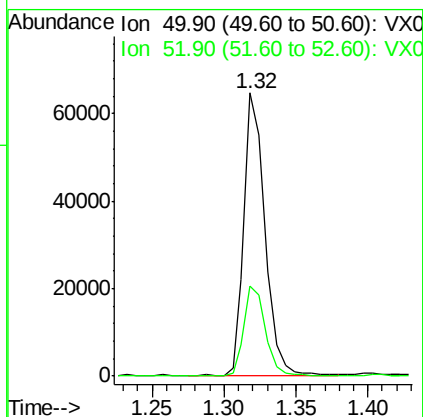
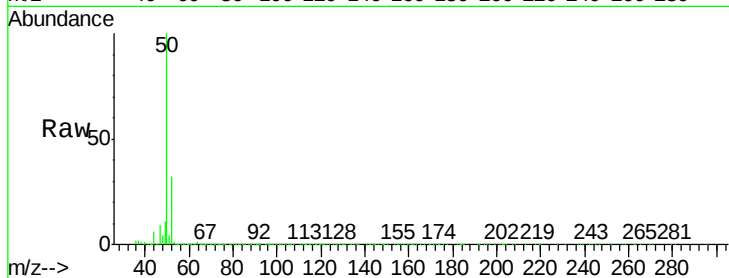
Ion Ratio Lower Upper

50 100

52 31.5 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.520 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011725.D

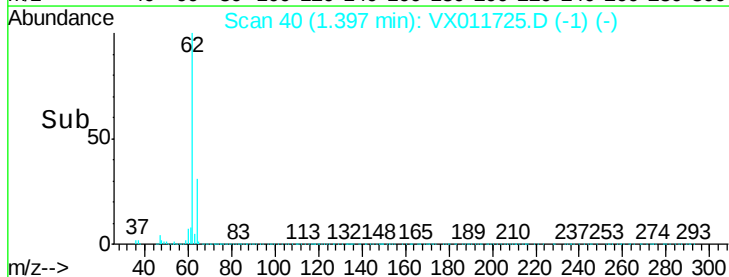
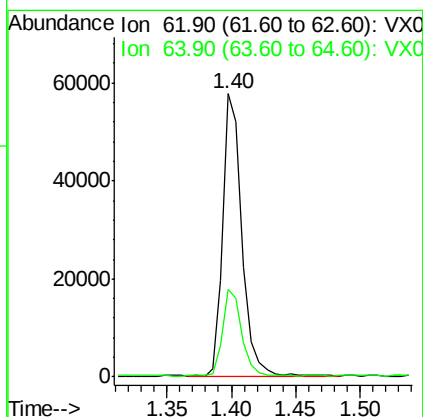
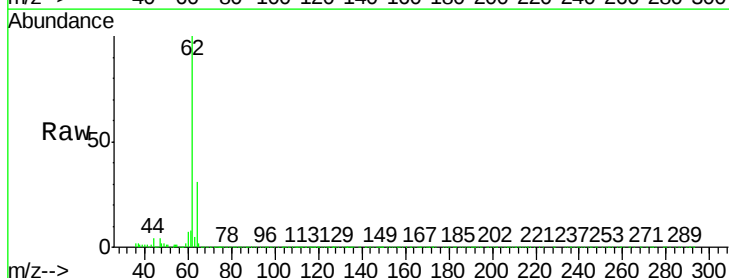
Acq: 21 Aug 2019 12:23

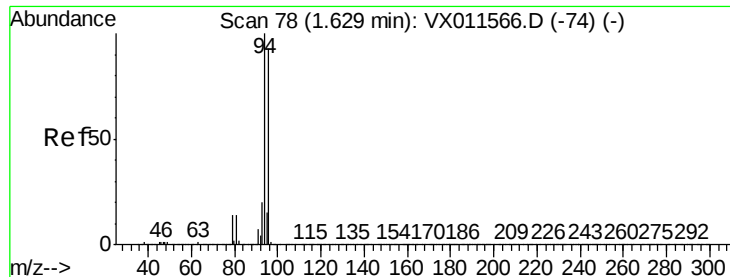
Tgt Ion: 62 Resp: 60803

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.4





#5

Bromomethane

Concen: 26.547 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 94 Resp: 37052

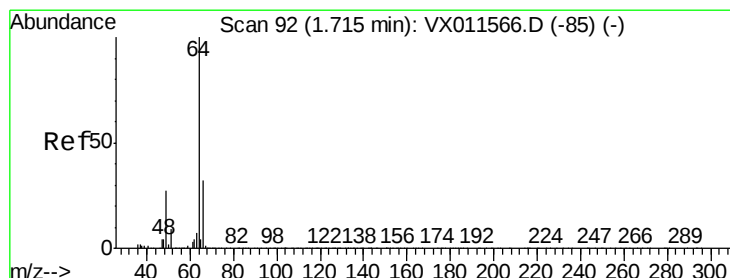
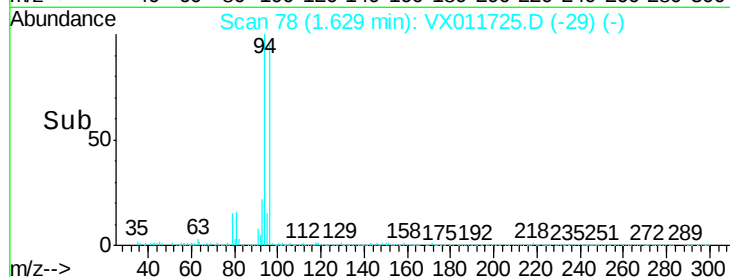
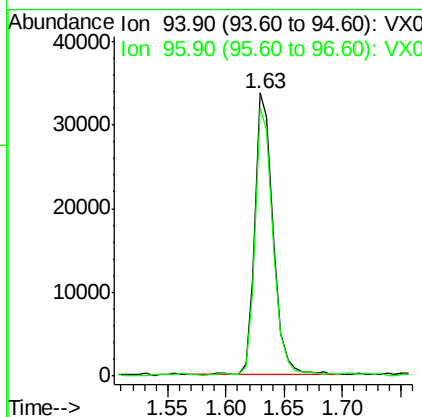
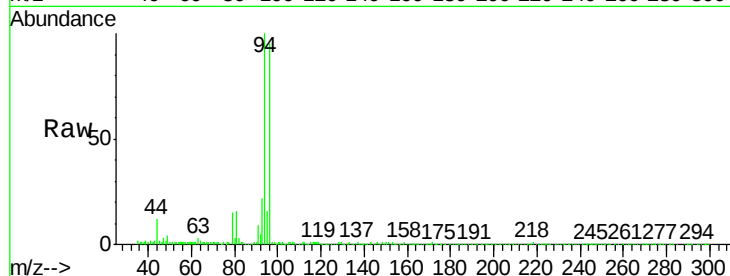
Ion Ratio Lower Upper

94 100

96 94.7 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 24.658 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX011725.D

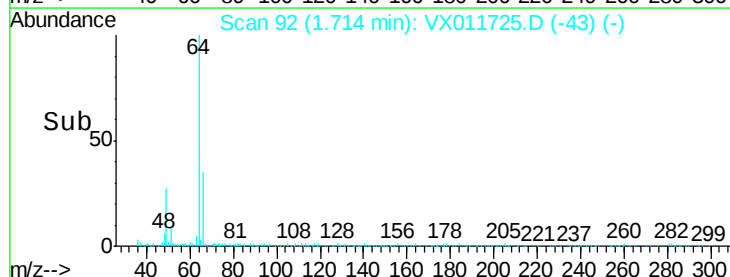
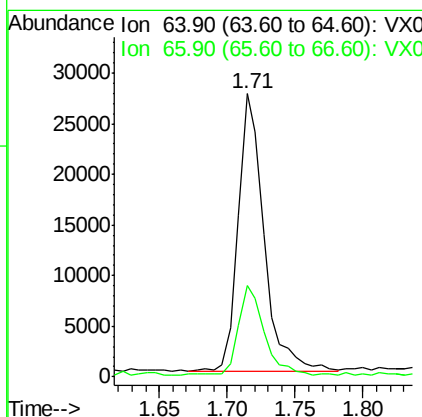
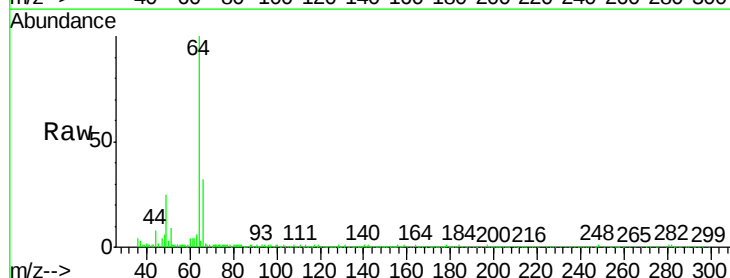
Acq: 21 Aug 2019 12:23

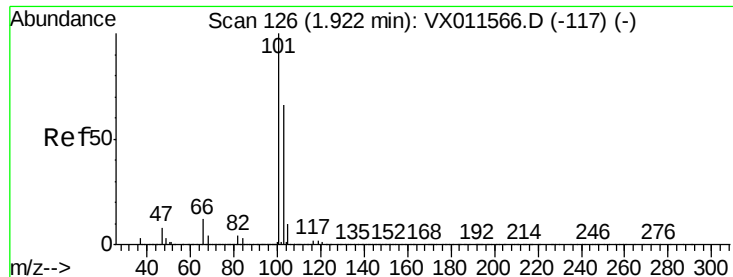
Tgt Ion: 64 Resp: 36353

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9





#7

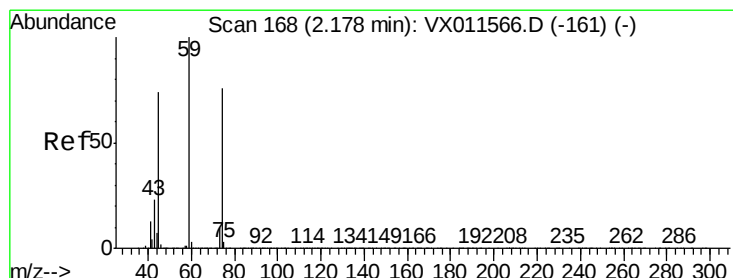
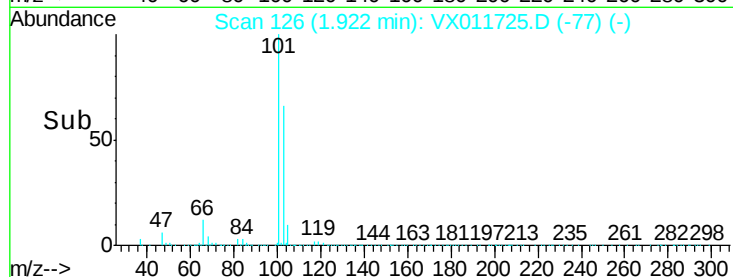
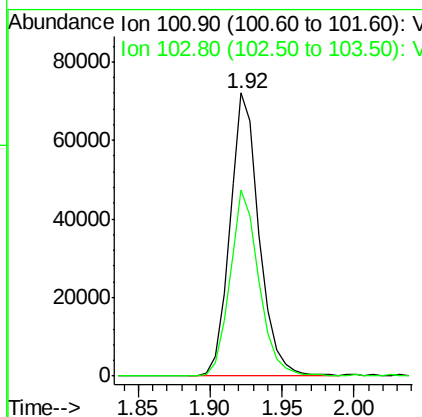
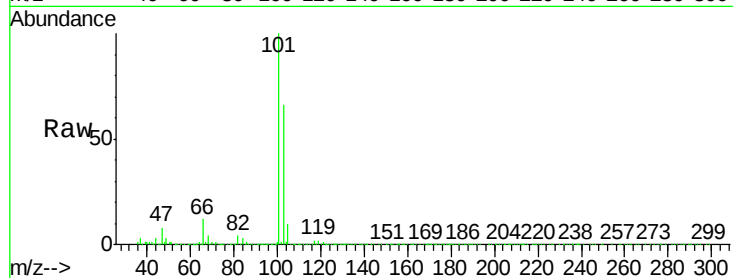
Trichlorofluoromethane
Concen: 23.528 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	101511		
103	103	65.8	52.9	79.3	

Manual Integrations
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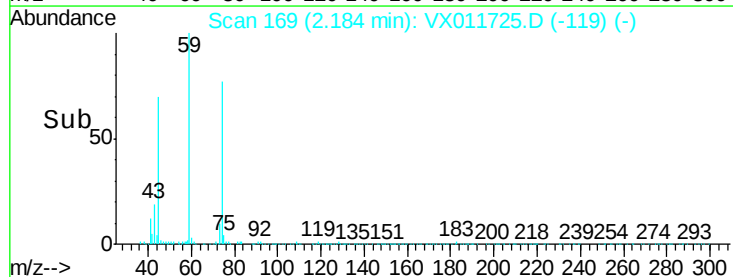
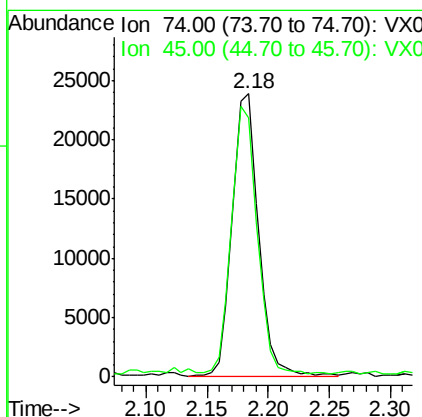
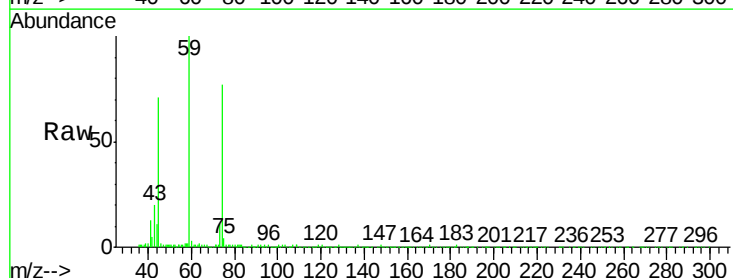
MMDadoda
8/22/2019 9:00:35 AM

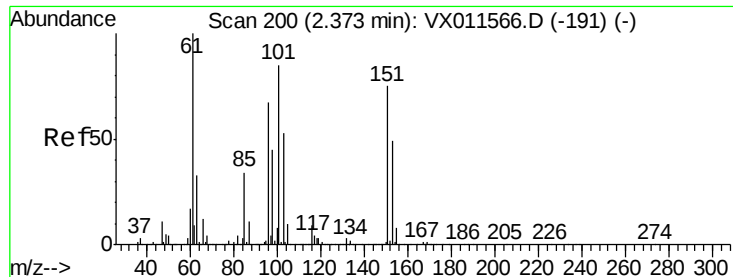


#8

Diethyl Ether
Concen: 24.245 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	74	100	35883		
45	45	90.8	48.2	144.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.223 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

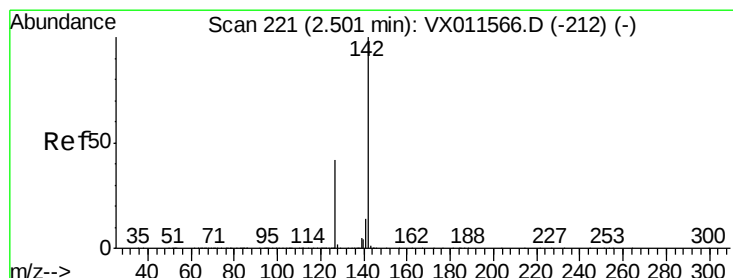
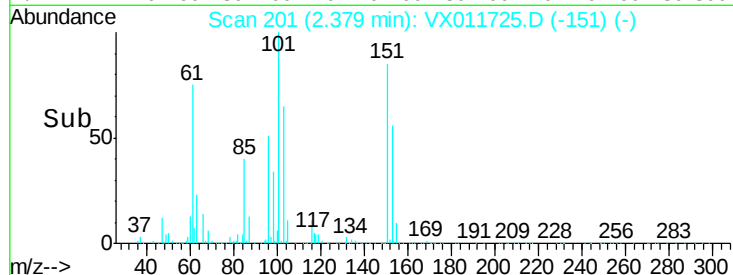
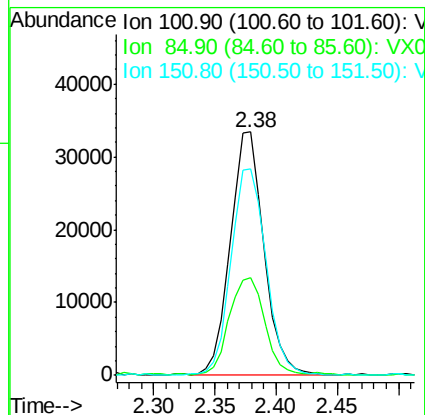
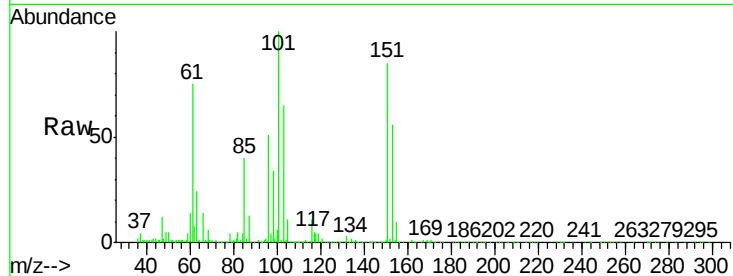
ClientSampleId :

VX0821WBS01

Tot Ion:	101	Resp:	63247
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.0	49.4
151	89.3	73.3	109.9

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#10

Methyl Iodide

Concen: 17.902 ug/l

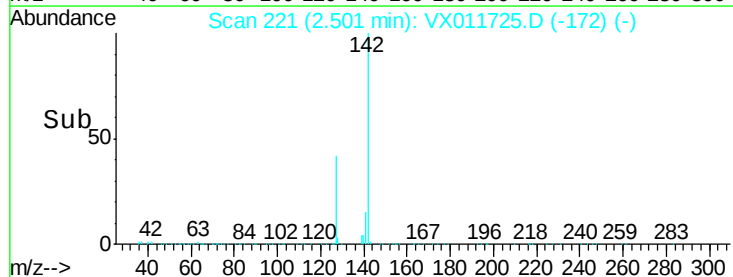
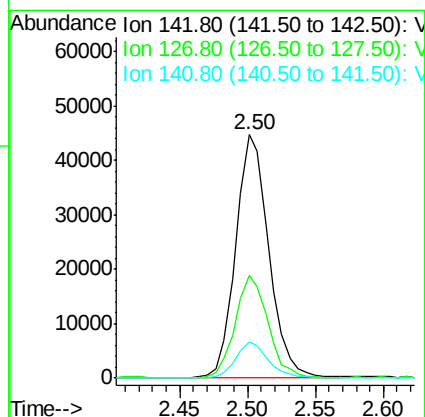
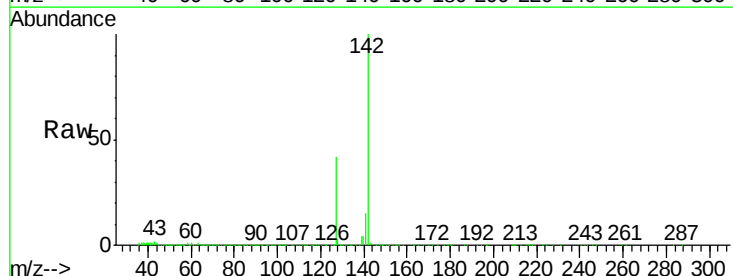
RT: 2.50 min Scan# 221

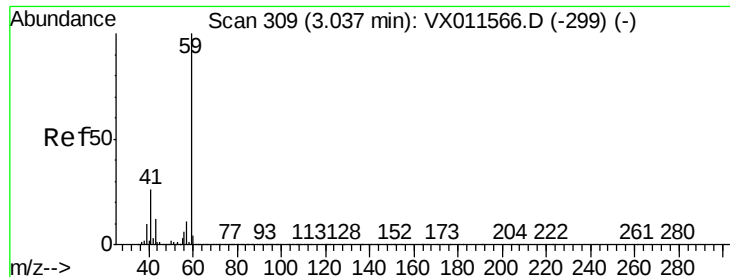
Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Tgt Ion:	142	Resp:	76001
Ion Ratio	Lower	Upper	
142	100		
127	42.1	32.8	49.2
141	14.9	11.4	17.2





#11

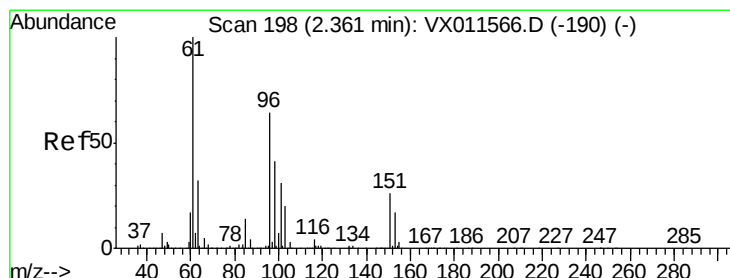
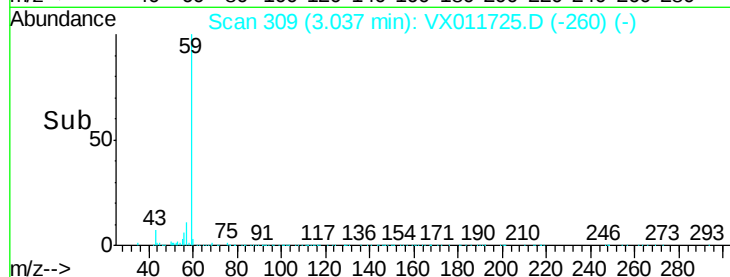
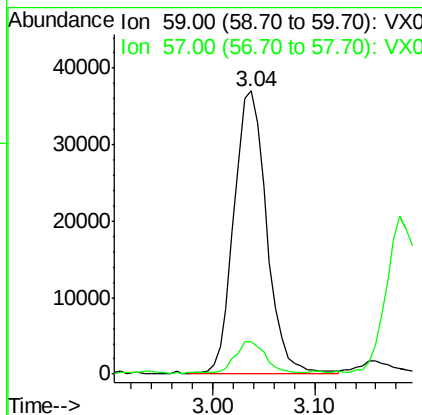
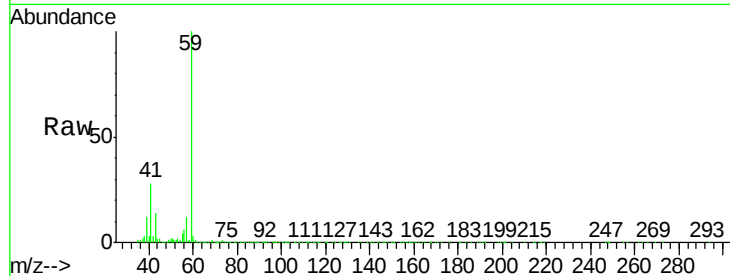
Tert butyl alcohol
Concen: 106.445 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.7	13.1

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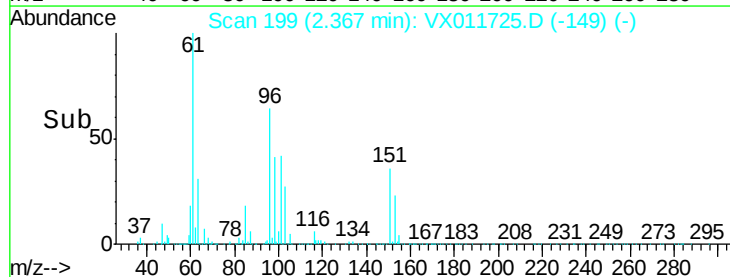
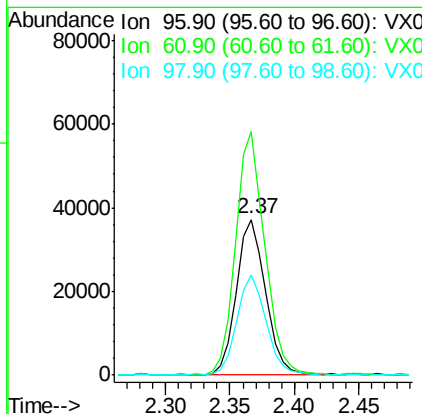
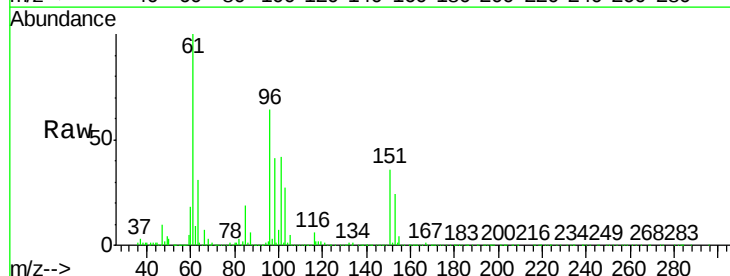
MMDadoda
8/22/2019 9:00:35 AM

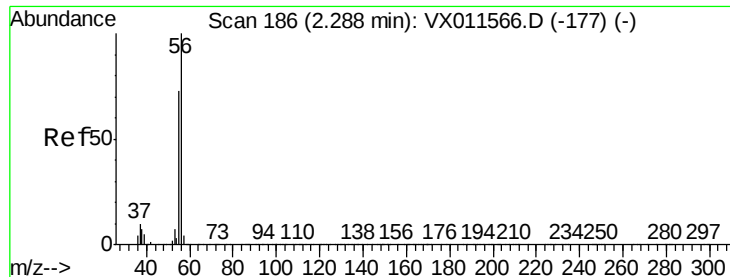


#12

1,1-Dichloroethene
Concen: 20.169 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.4	125.0	187.4
98	64.4	51.5	77.3





#13

Acrolein

Concen: 107.774 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 56 Resp: 23760

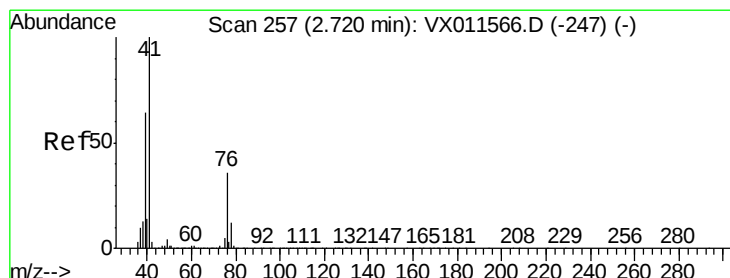
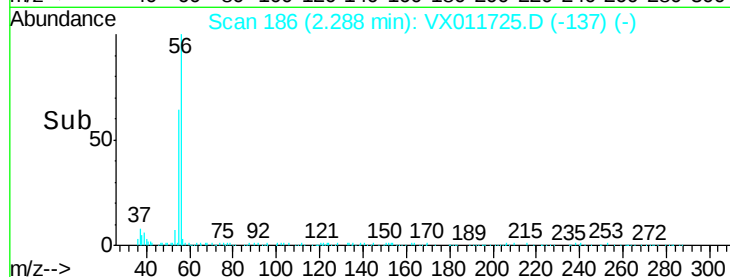
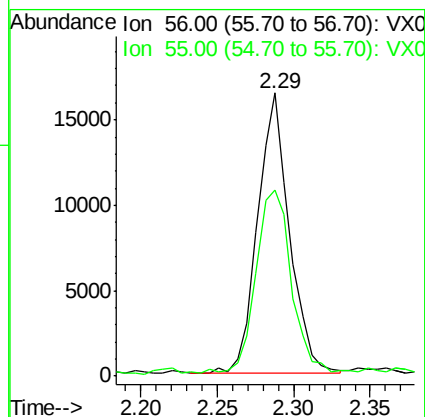
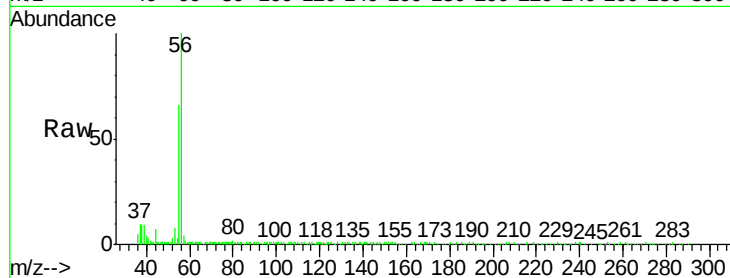
Ion Ratio Lower Upper

56 100

55 72.4 55.5 83.3

Manual Integrations
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#14

Allyl chloride

Concen: 20.440 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

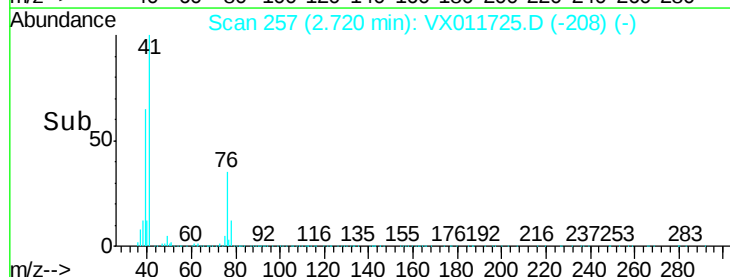
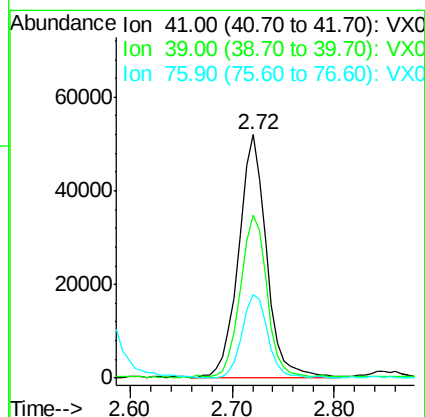
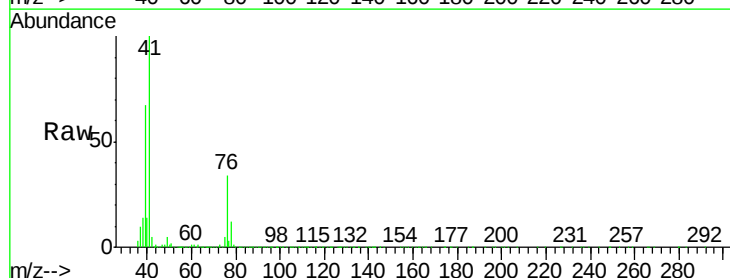
Tgt Ion: 41 Resp: 97925

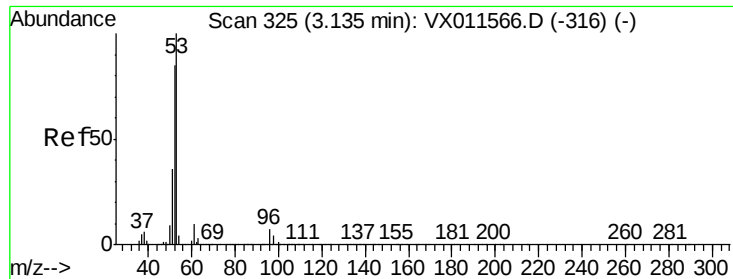
Ion Ratio Lower Upper

41 100

39 63.6 47.5 71.3

76 31.1 26.3 39.5





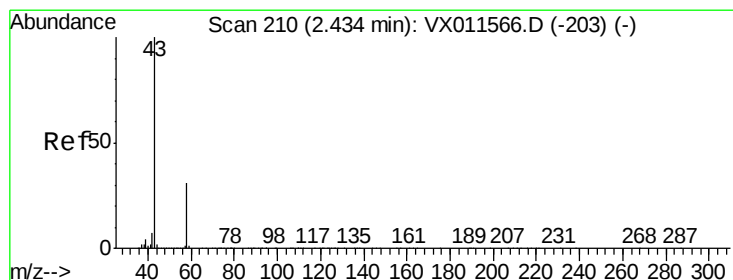
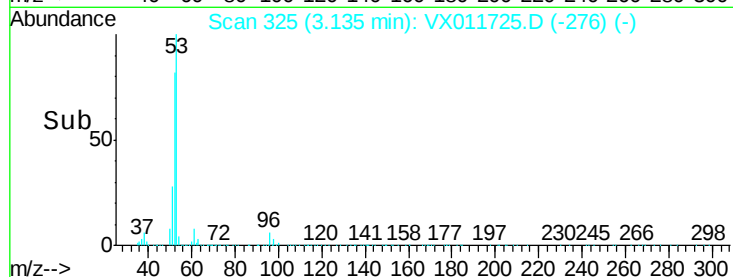
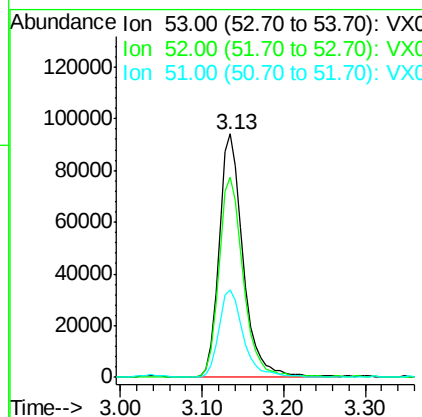
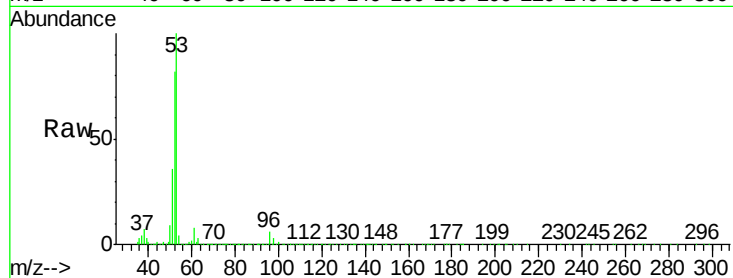
#15
 Acrylonitrile
 Concen: 109.312 ug/l
 RT: 3.13 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

Tot Ion:	53	Resp:	192252
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.7	100.1
51	36.5	28.7	43.1

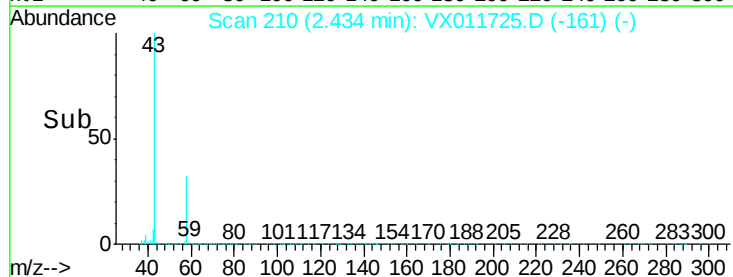
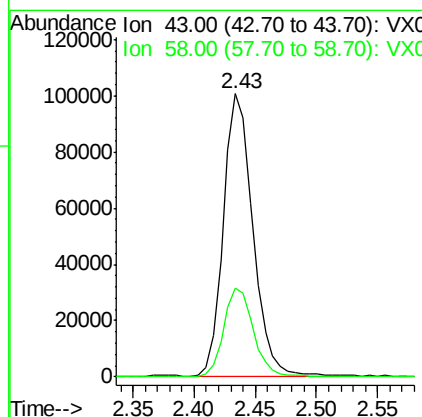
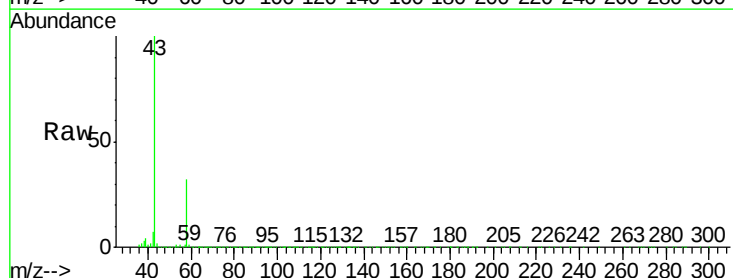
Manual Integrations
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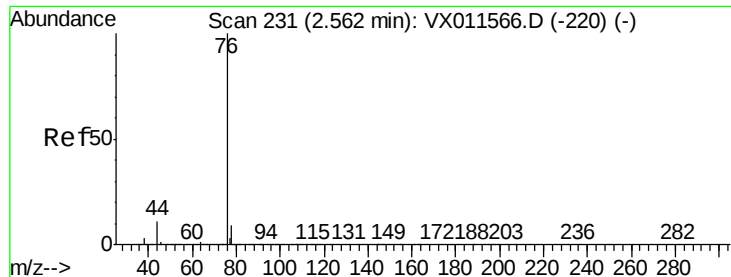
MMDadoda
 8/22/2019 9:00:35 AM



#16
 Acetone
 Concen: 106.435 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Tgt Ion:	43	Resp:	167633
Ion Ratio	Lower	Upper	
43	100		
58	31.5	25.2	37.8





#17

Carbon Disulfide

Concen: 18.346 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 76 Resp: 124503

Ion Ratio Lower Upper

76 100

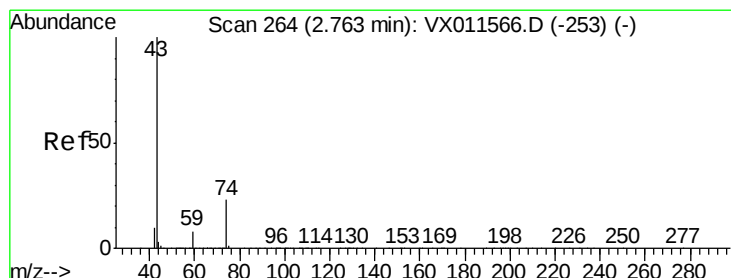
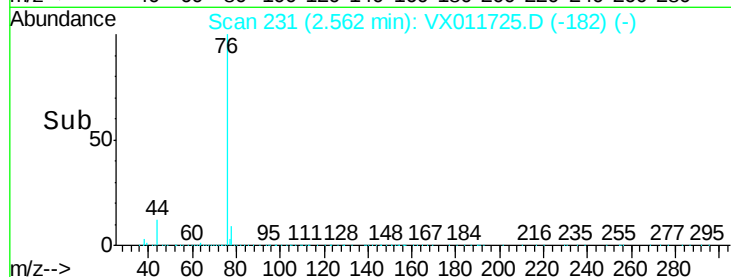
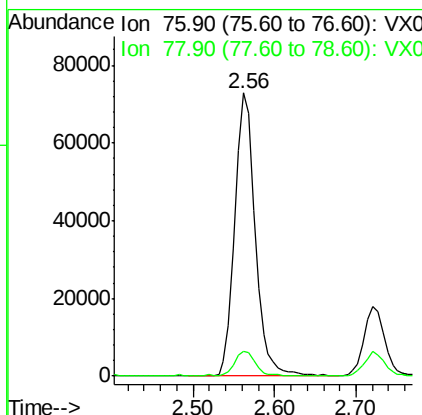
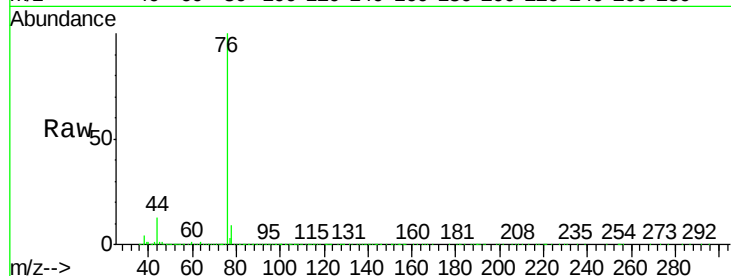
78 8.7 7.2 10.8

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#18

Methyl Acetate

Concen: 23.099 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX011725.D

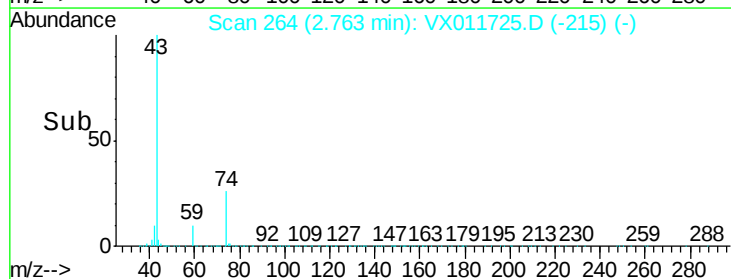
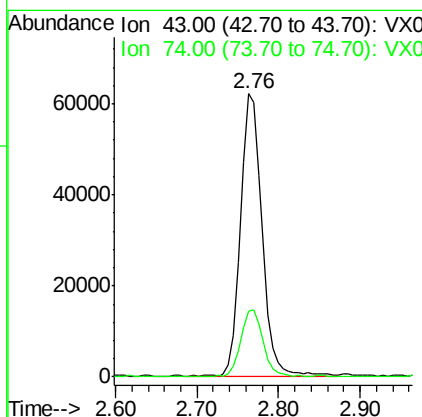
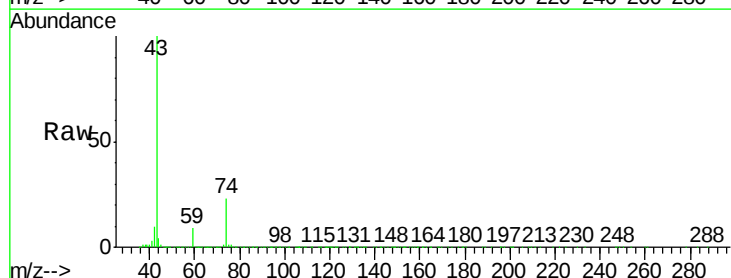
Acq: 21 Aug 2019 12:23

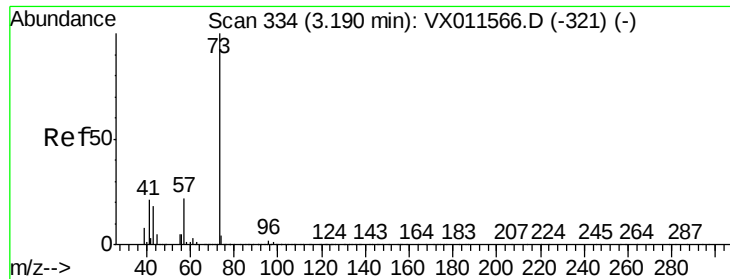
Tgt Ion: 43 Resp: 112831

Ion Ratio Lower Upper

43 100

74 25.1 19.7 29.5





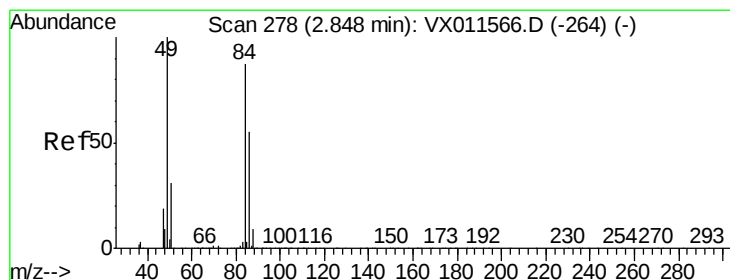
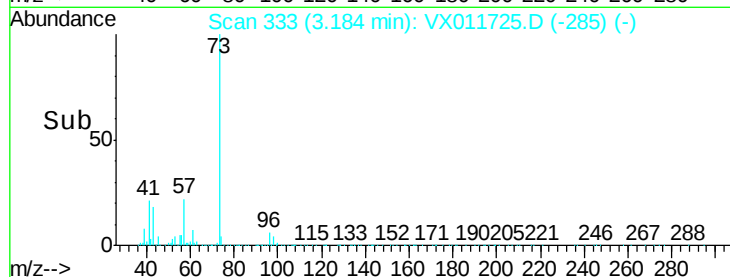
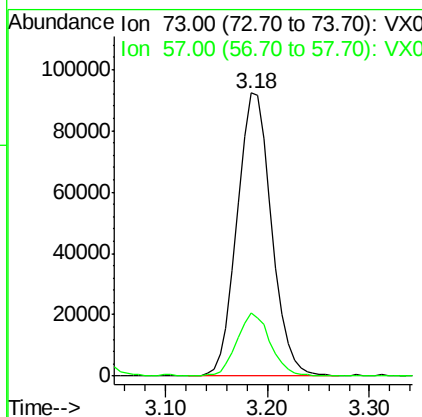
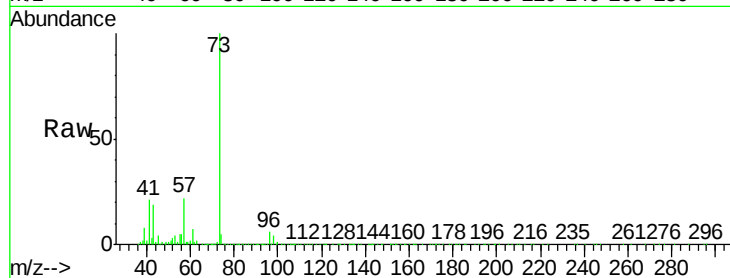
#19
Methvl tert-butvl Ether
Concen: 22.987 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	22.2	17.2	25.8

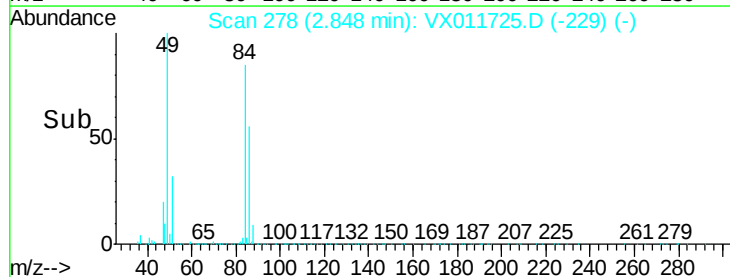
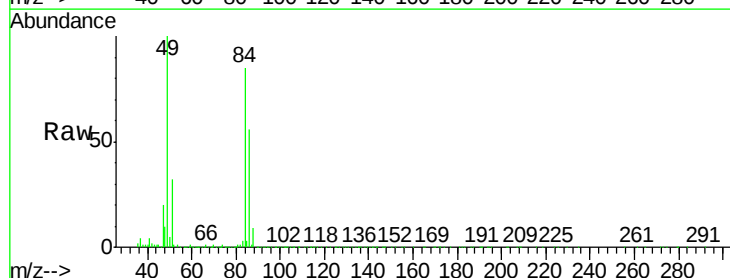
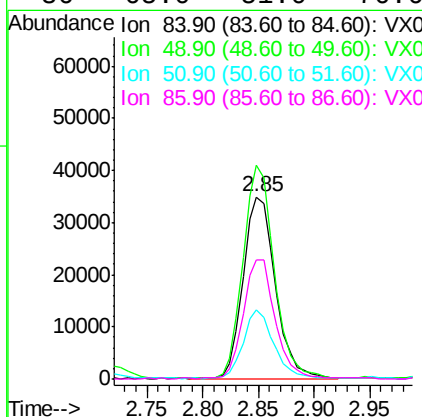
Manual Integrations
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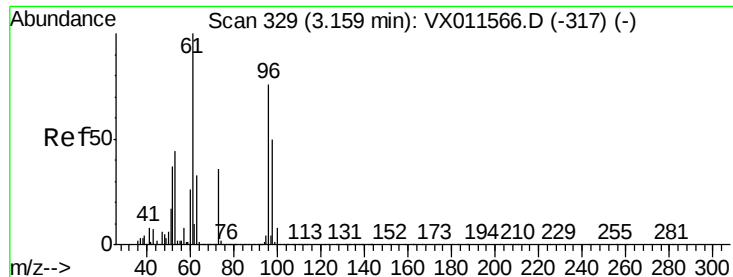
MMDadoda
8/22/2019 9:00:35 AM



#20
Methylene Chloride
Concen: 21.244 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	116.9	92.4	138.6
51	51	37.1	28.5	42.7
86	86	65.0	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 21.647 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

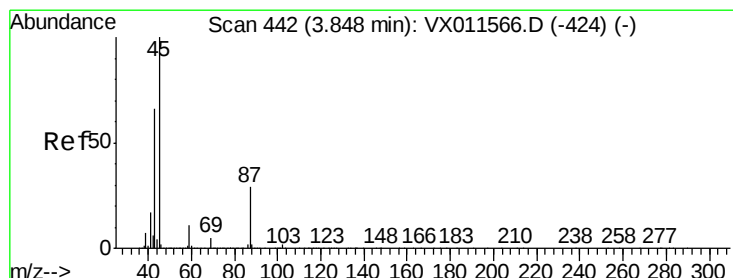
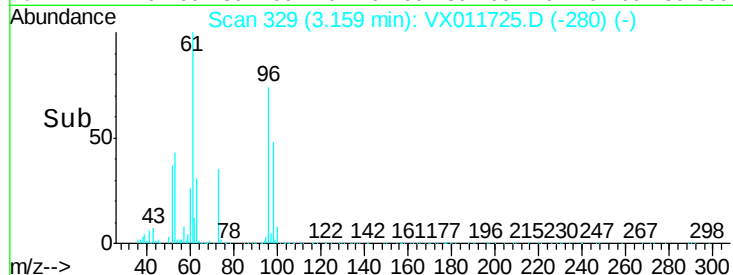
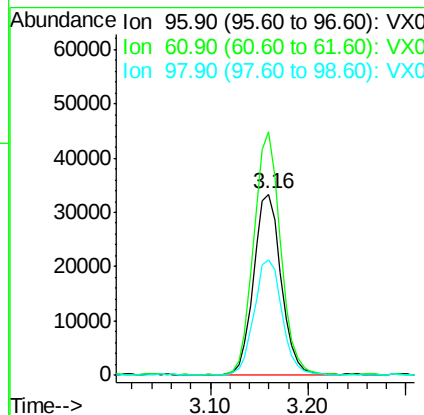
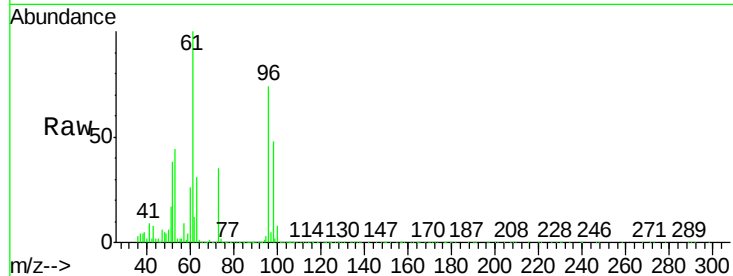
ClientSampleId :

VX0821WBS01

Tot Ion:	96	Resp:	66065
Ion	Ratio	Lower	Upper
96	100		
61	134.1	105.5	158.3
98	63.7	52.6	78.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.724 ug/l

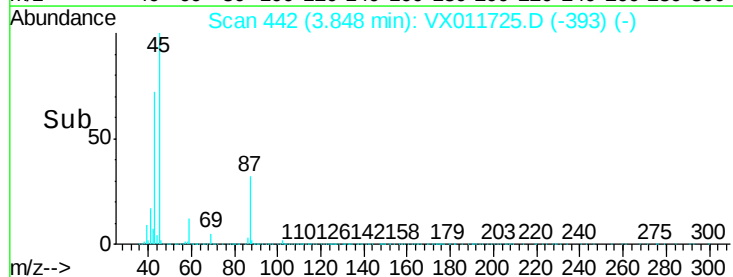
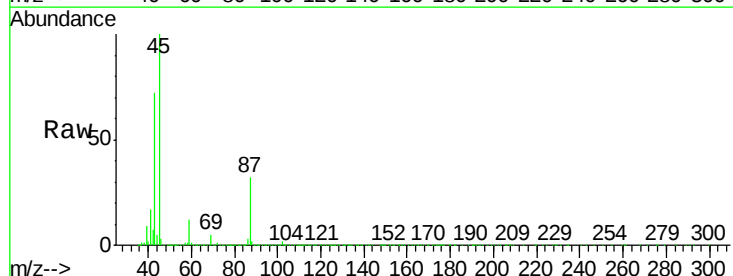
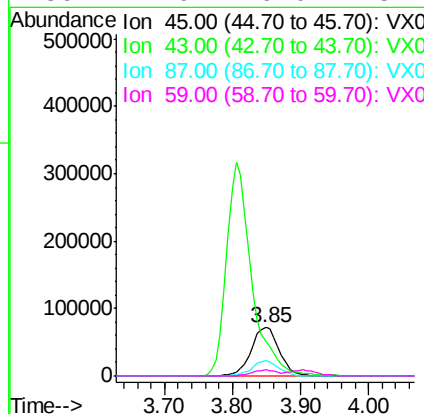
RT: 3.85 min Scan# 442

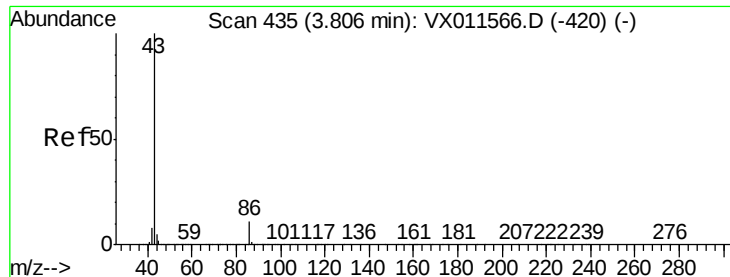
Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Tgt Ion:	45	Resp:	207264
Ion	Ratio	Lower	Upper
45	100		
43	72.3	52.7	79.1
87	31.5	23.5	35.3
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 107.938 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 43 Resp: 815487

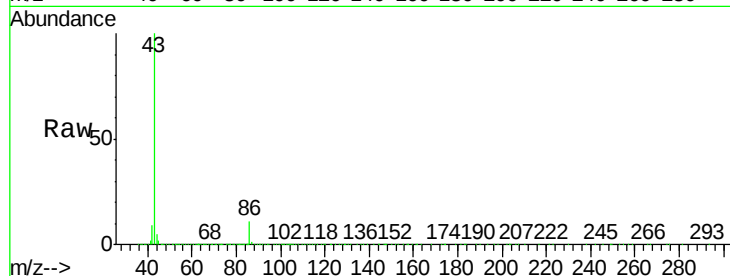
Ion Ratio Lower Upper

43 100

86 11.0 8.6 13.0

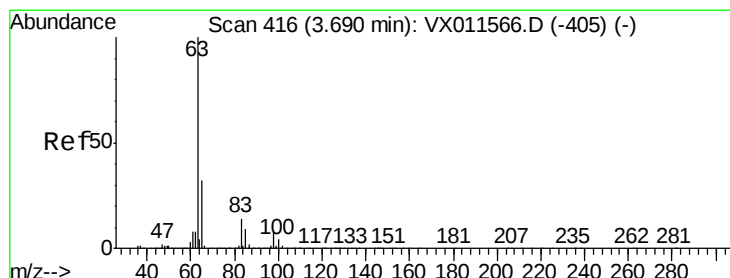
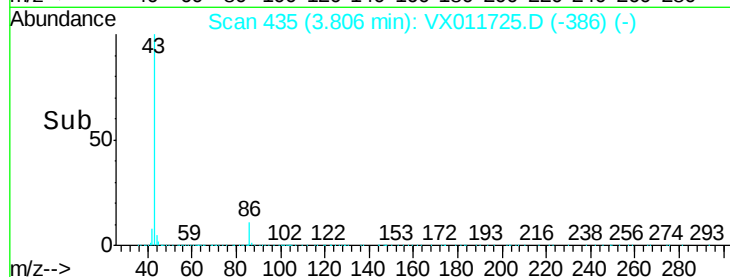
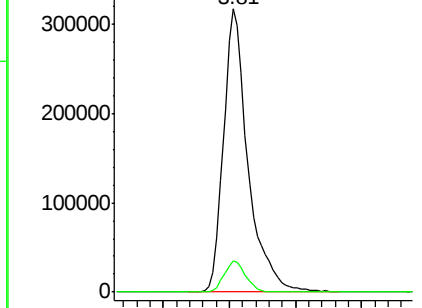
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.884 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

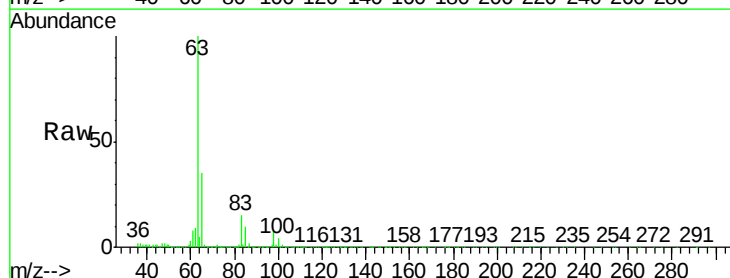
Tgt Ion: 63 Resp: 118046

Ion Ratio Lower Upper

63 100

98 7.7 3.7 11.1

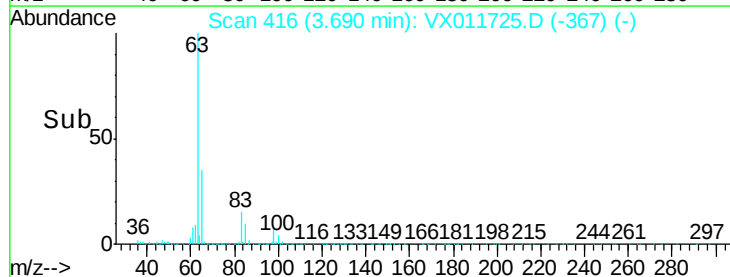
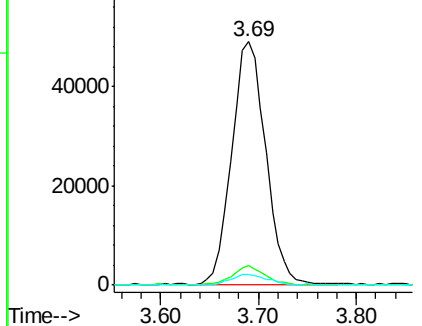
100 4.0 2.1 6.3

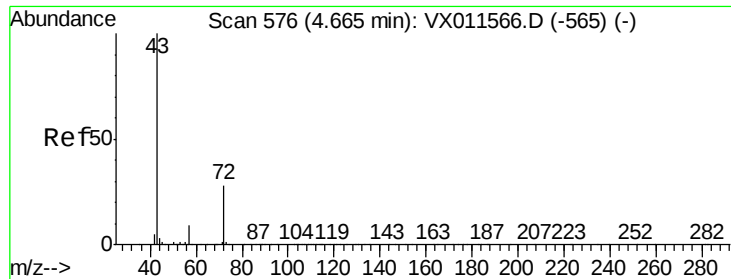


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 103.409 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 43 Resp: 255688

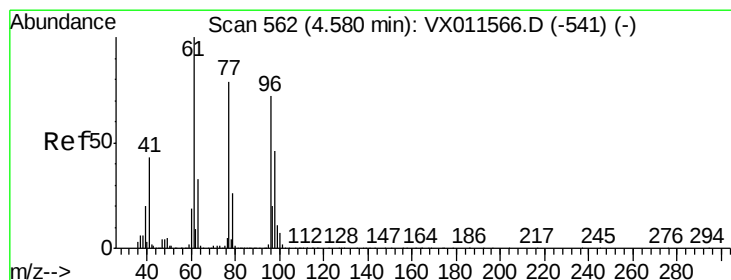
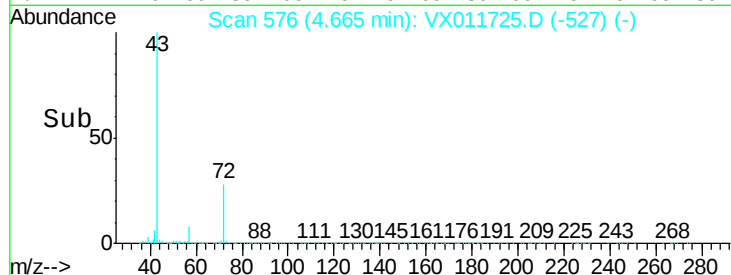
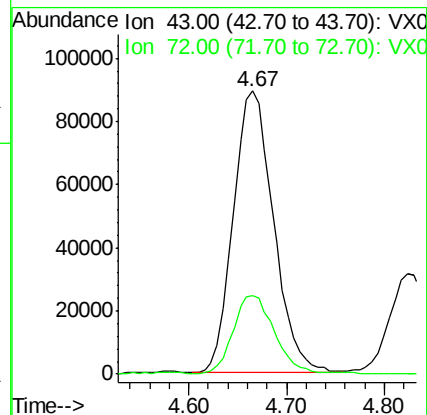
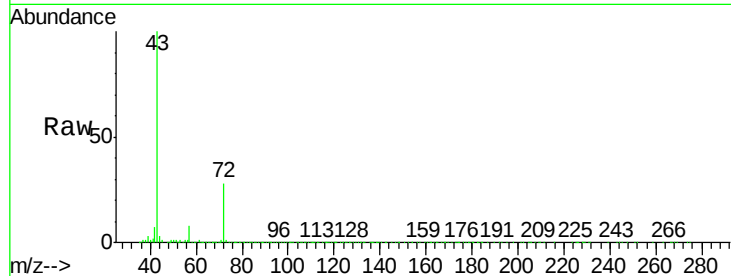
Ion Ratio Lower Upper

43 100

72 27.7 22.2 33.4

Manual Integrations
APPROVED

MMDadoda
8/22/2019 9:00:35 AM



#26

2,2-Dichloropropane

Concen: 20.080 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX011725.D

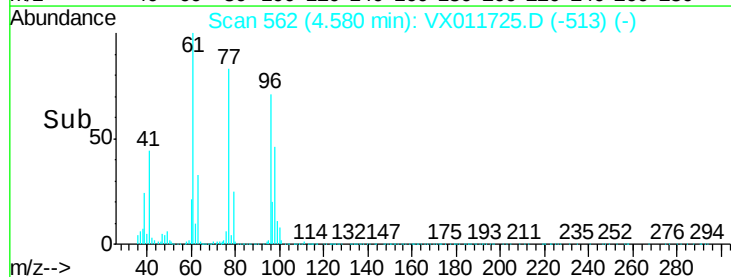
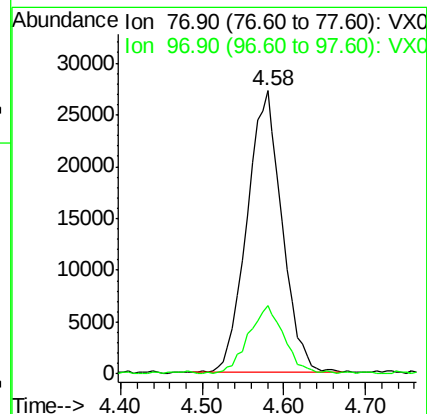
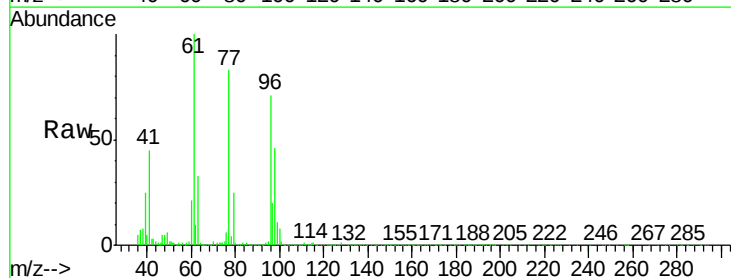
Acq: 21 Aug 2019 12:23

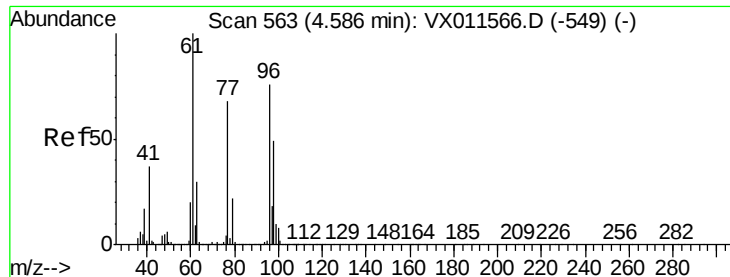
Tgt Ion: 77 Resp: 81524

Ion Ratio Lower Upper

77 100

97 24.0 12.4 37.2





#27

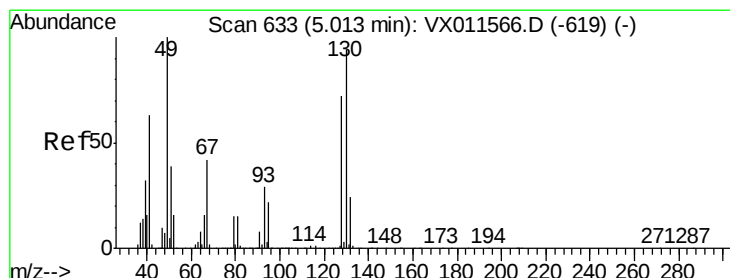
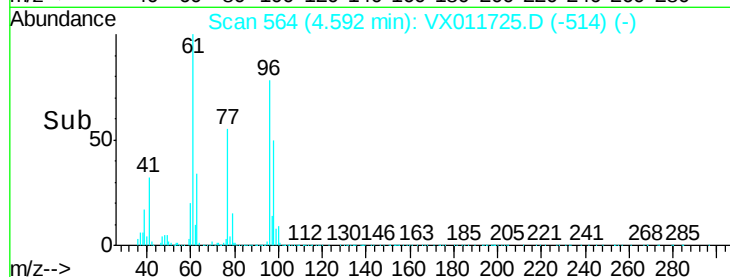
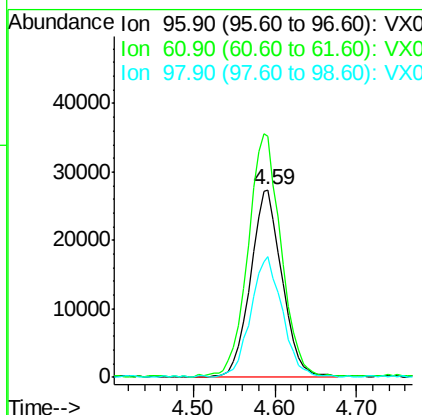
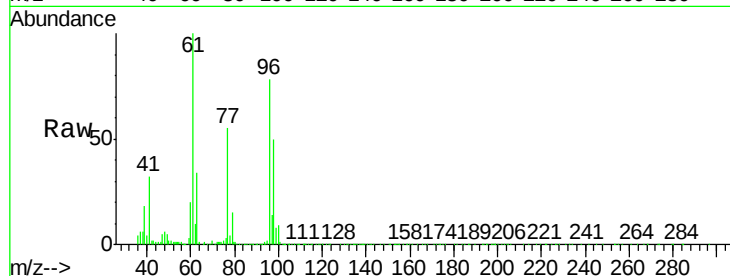
cis-1,2-Dichloroethene
Concen: 20.892 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	272.6
98	63.4	0.0	129.4

Manual Integrations
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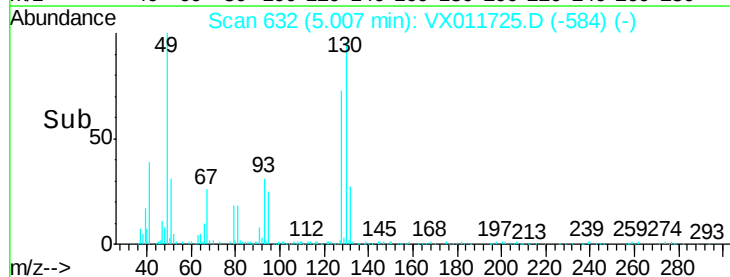
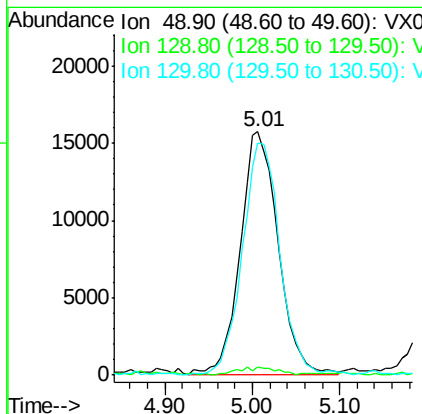
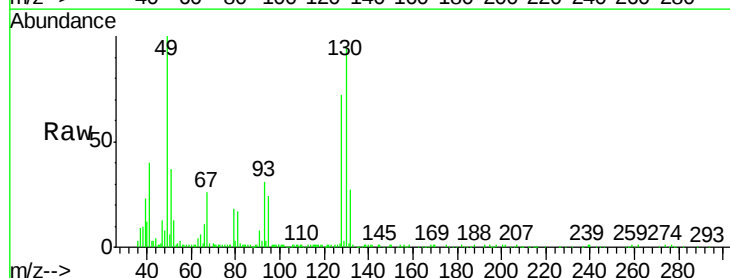
MMDadoda
8/22/2019 9:00:35 AM

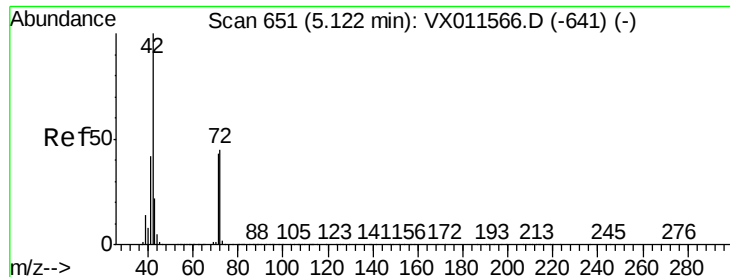


#28

Bromochloromethane
Concen: 20.061 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.5	0.0	5.0
130	93.6	76.6	115.0





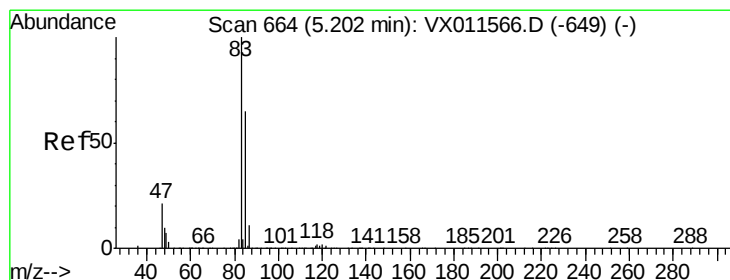
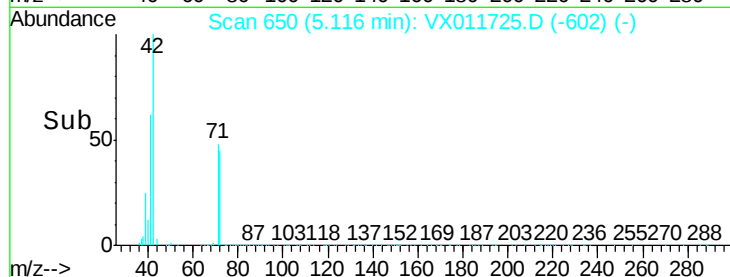
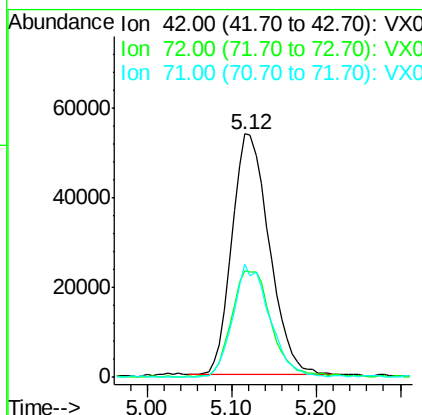
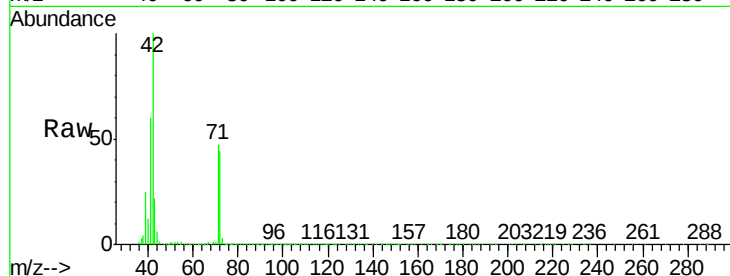
#29
Tetrahydrofuran
Concen: 99.906 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	36.1	54.1
71	45.5	33.8	50.8

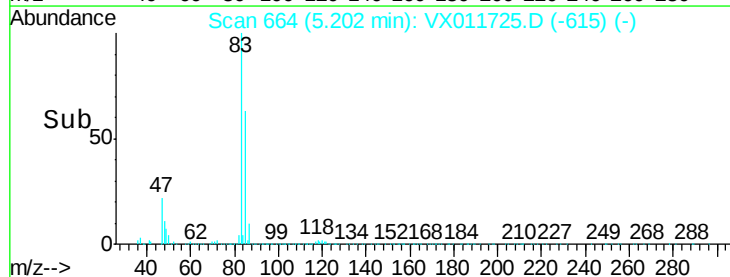
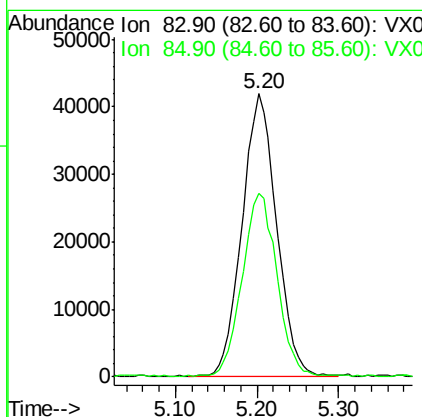
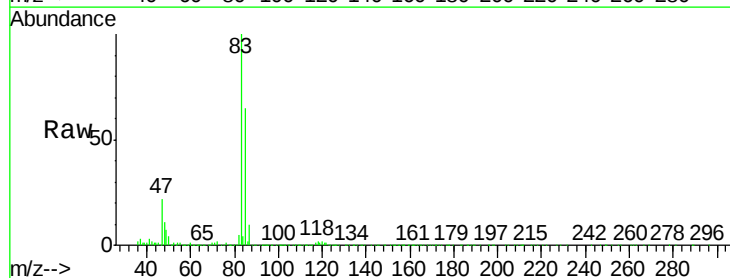
Manual Integrations
APPROVED

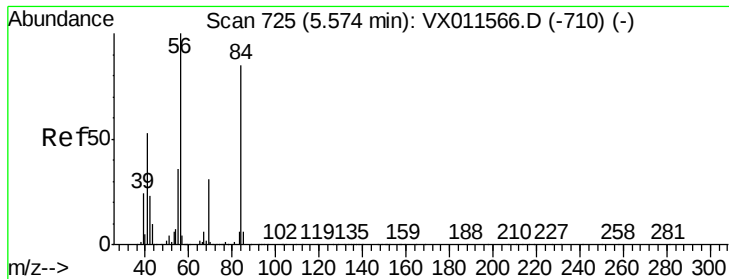
MMDadoda
8/22/2019 9:00:35 AM



#30
Chloroform
Concen: 21.599 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.9	77.9





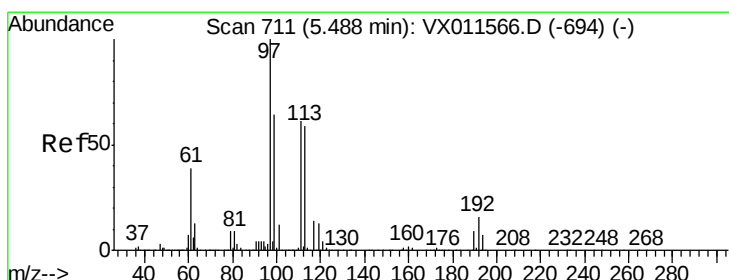
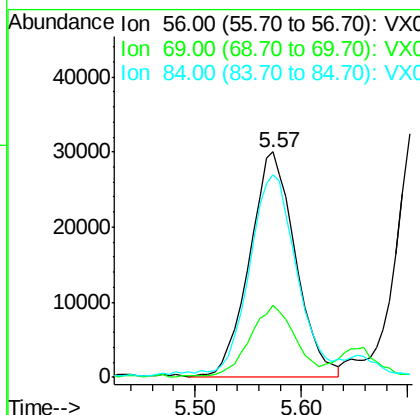
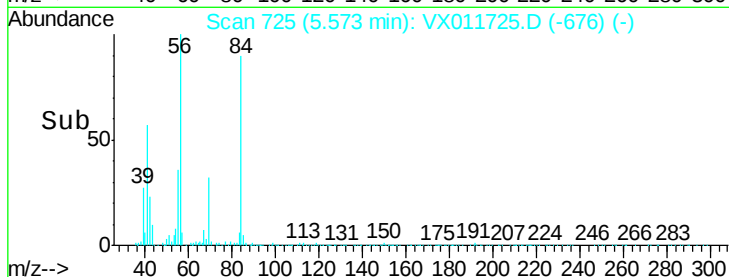
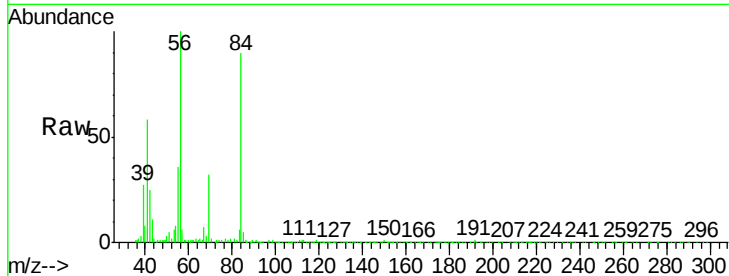
#31
Cvclohexane
Concen: 19.361 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.0	24.8	37.2	
84	87.8	67.9	101.9	

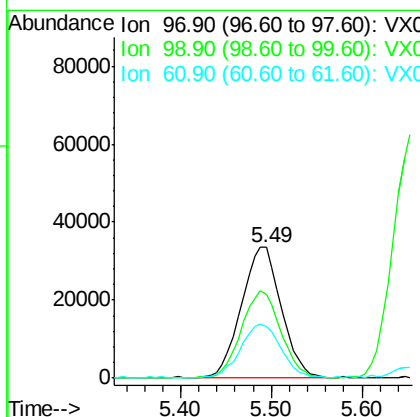
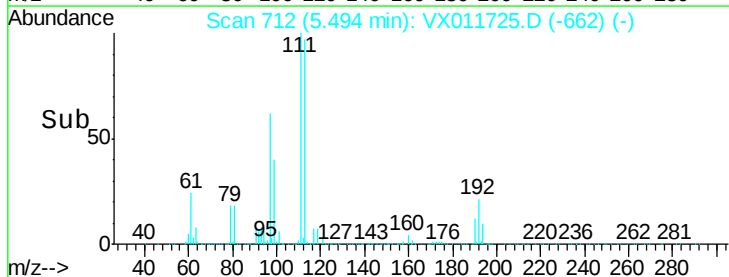
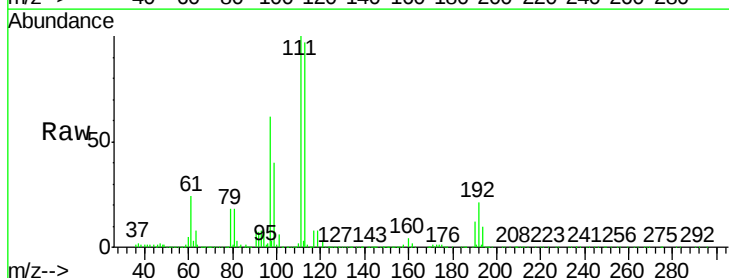
Manual Integrations
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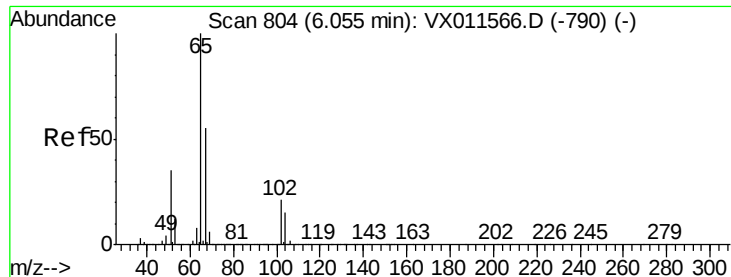
MMDadoda
8/22/2019 9:00:35 AM



#32
1,1,1-Trichloroethane
Concen: 20.748 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	66.7	51.4	77.0	
61	41.5	31.4	47.2	





#33

1,2-Dichloroethane-d4

Concen: 54.522 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 65 Resp: 170779

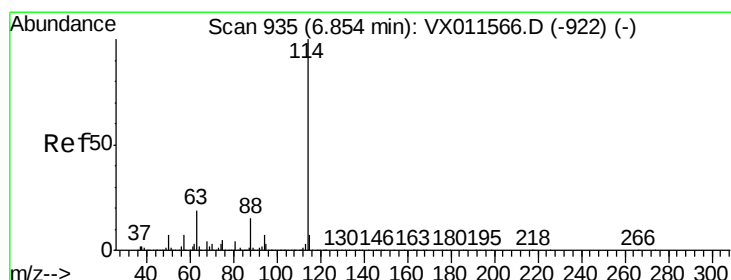
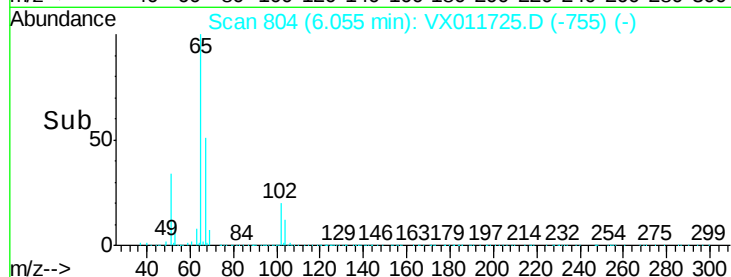
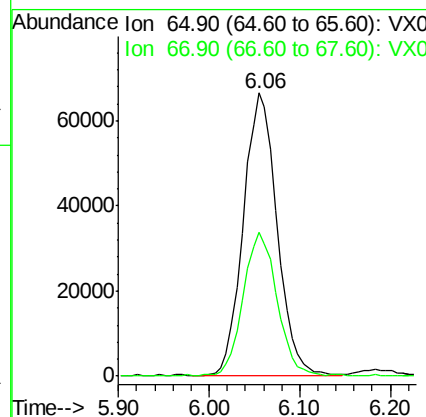
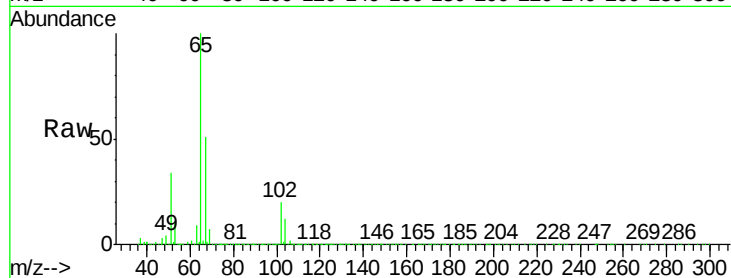
Ion Ratio Lower Upper

65 100

67 51.1 0.0 107.6

Manual Integrations
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8/22/2019 9:00:35 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

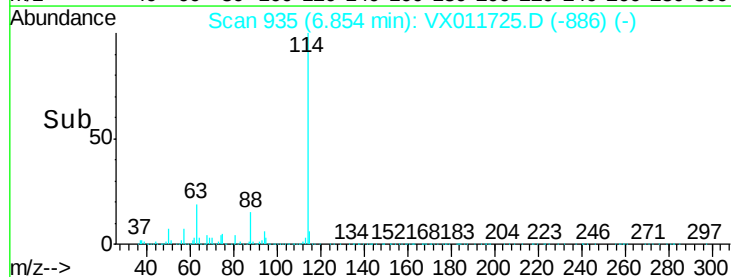
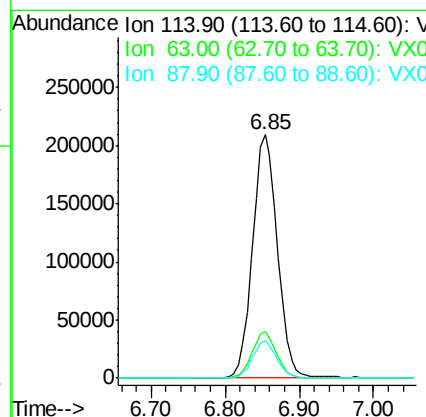
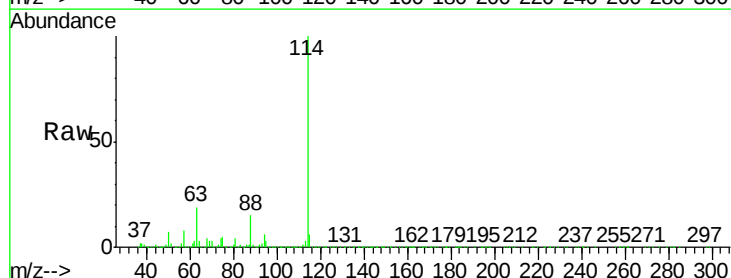
Tgt Ion: 114 Resp: 491635

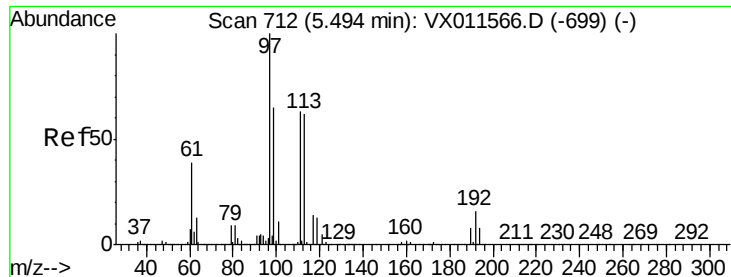
Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.8

88 15.4 0.0 30.2





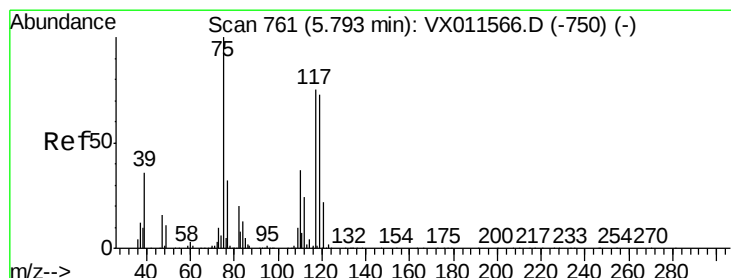
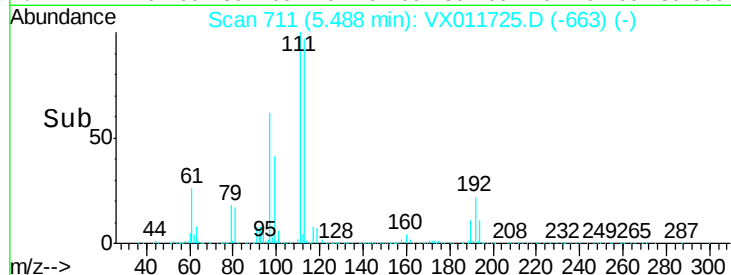
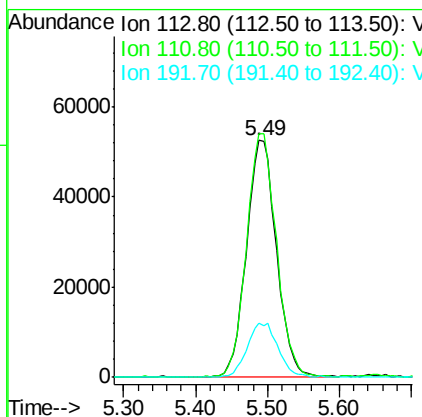
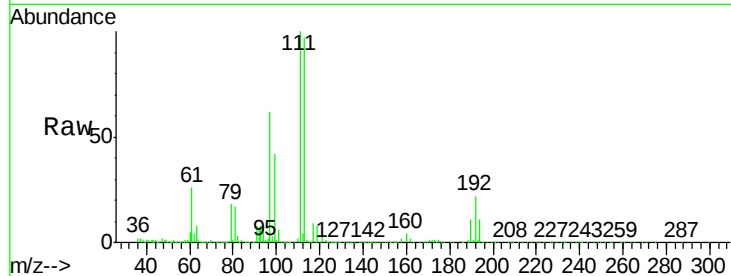
#35
 Dibromofluoromethane
 Concen: 47.262 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.4	81.1	121.7	
192	23.7	20.8	31.2	

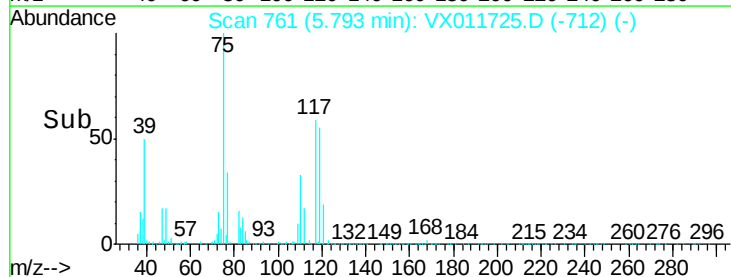
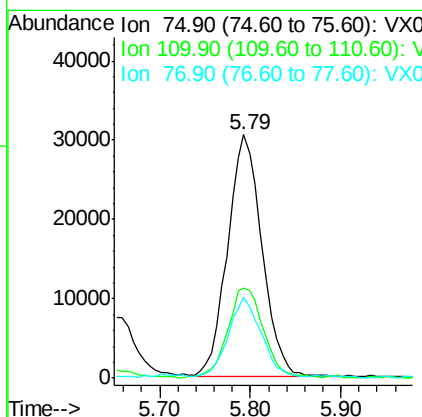
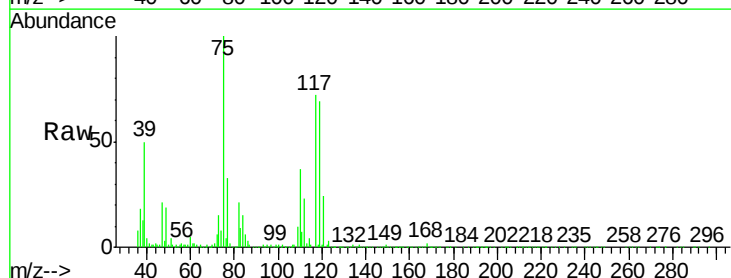
Manual Integrations
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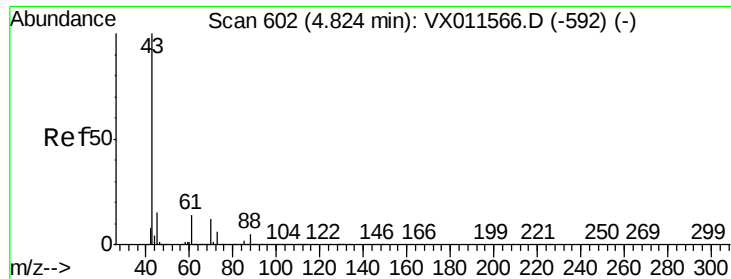
MMDadoda
 8/22/2019 9:00:35 AM



#36
 1,1-Dichloropropene
 Concen: 19.156 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.0	19.4	58.1	
77	31.2	25.1	37.7	





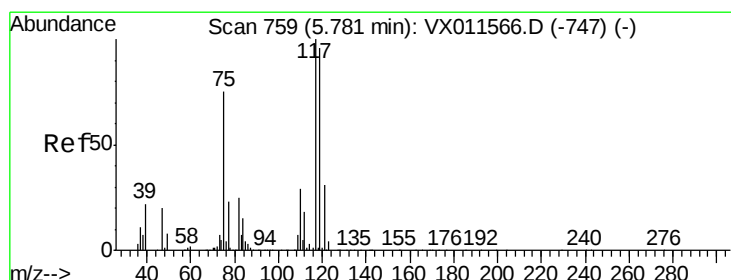
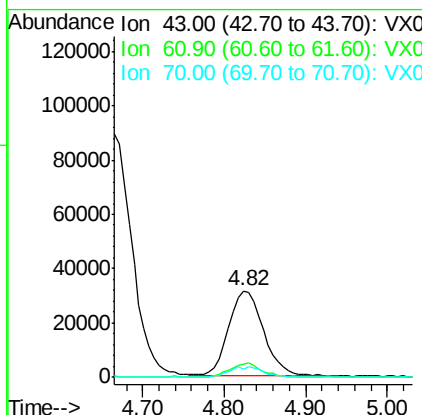
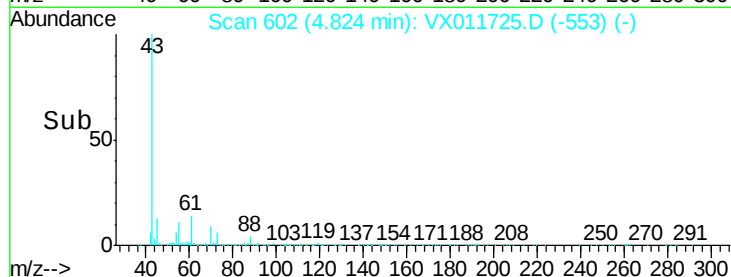
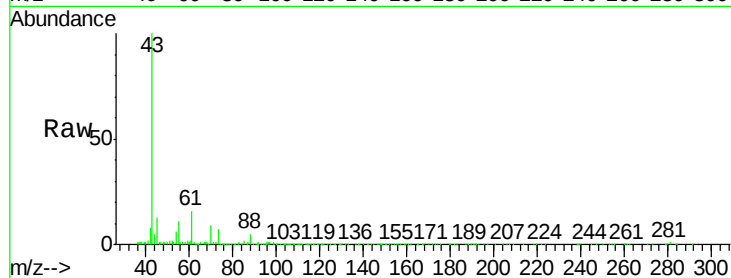
#37
Ethyl Acetate
Concen: 19.501 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	5.9	9.0	13.6

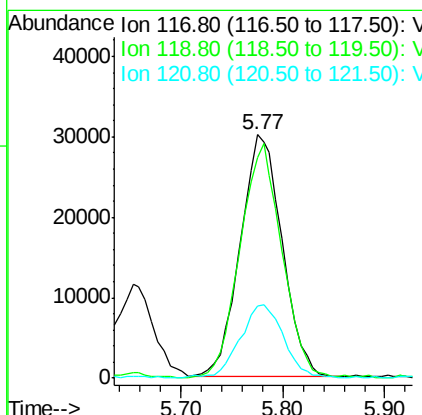
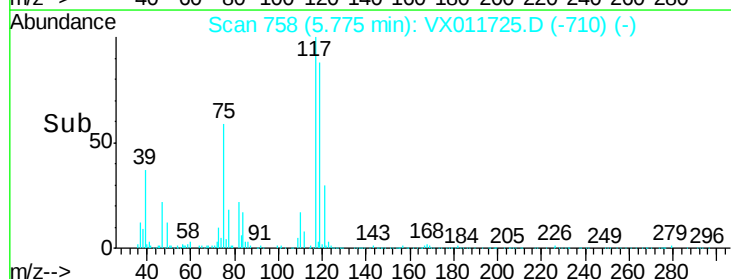
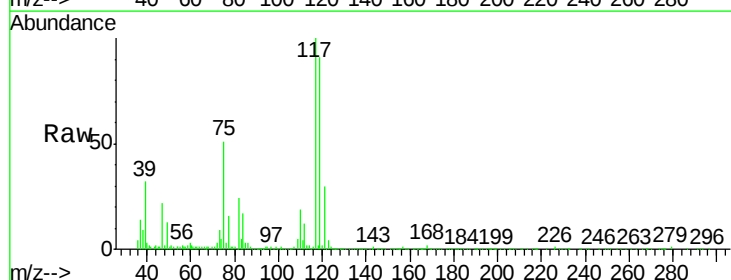
Manual Integrations
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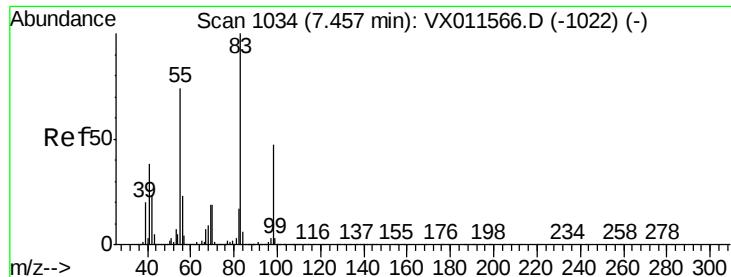
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8/22/2019 9:00:35 AM



#38
Carbon Tetrachloride
Concen: 18.579 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.8	76.9	115.3
121	29.4	24.8	37.2





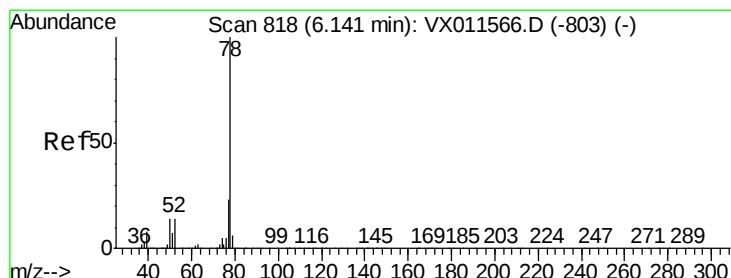
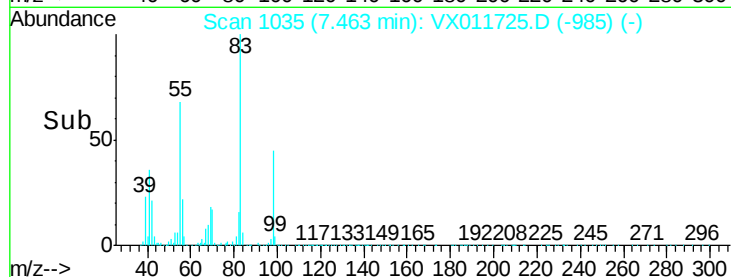
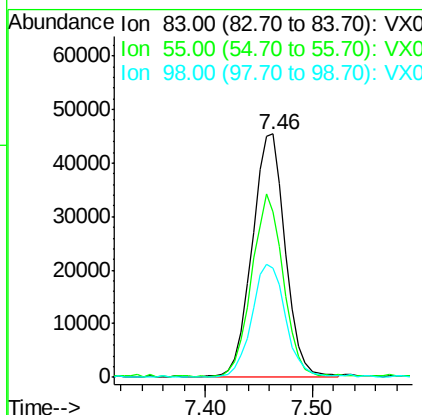
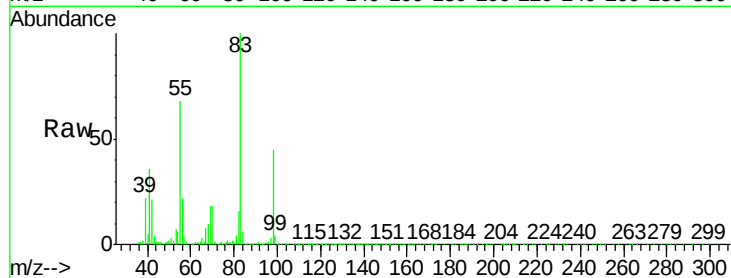
#39
Methvlcvclohexane
Concen: 19.048 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.5	58.8	88.2
98	44.9	37.8	56.6

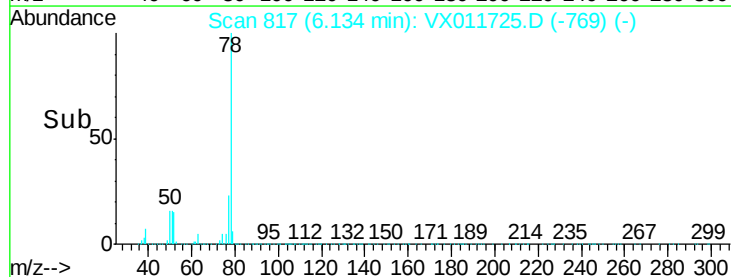
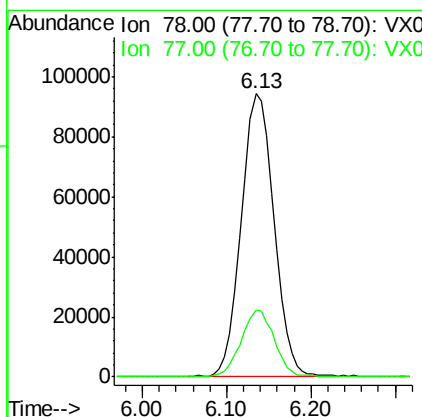
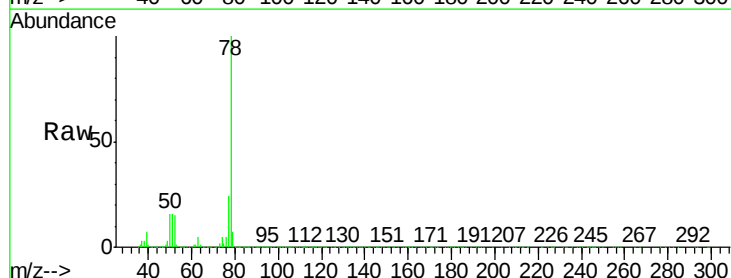
Manual Integrations
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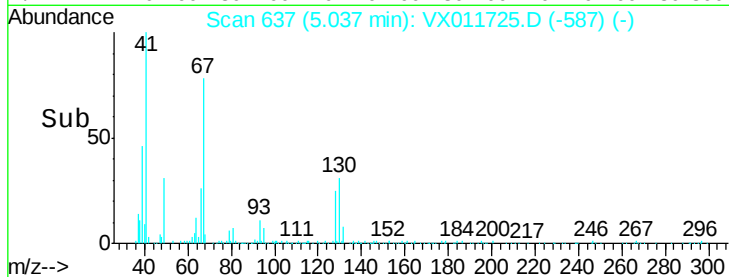
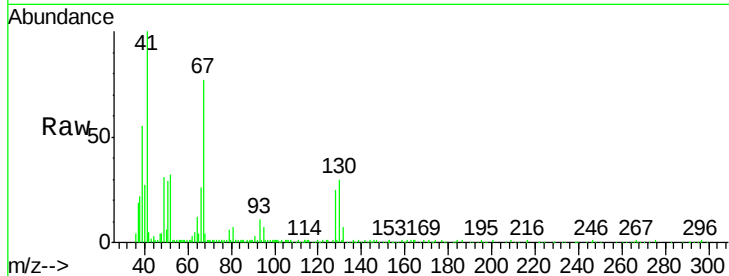
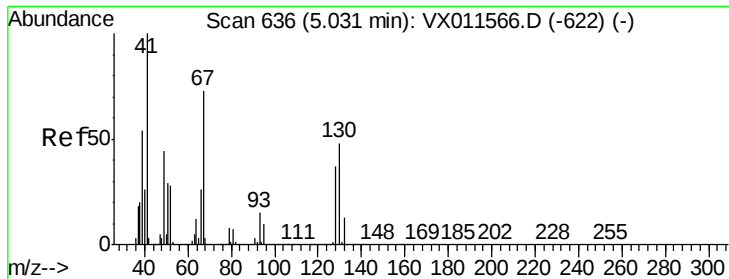
MMDadoda
8/22/2019 9:00:35 AM



#40
Benzene
Concen: 18.955 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





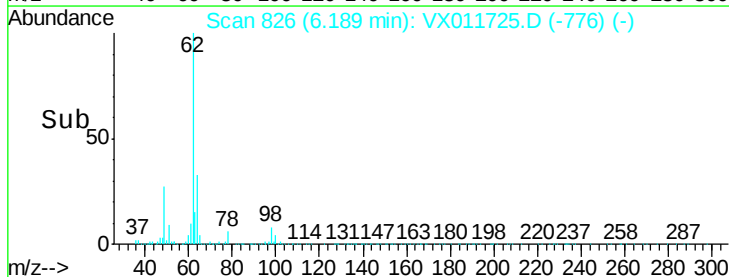
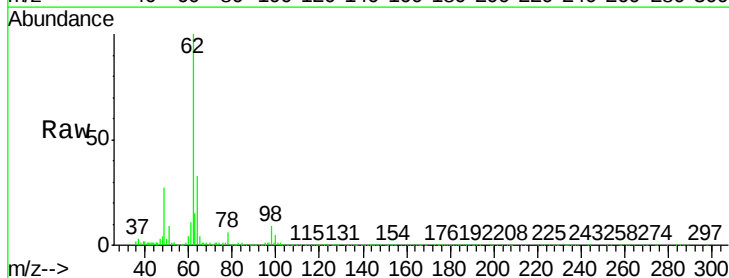
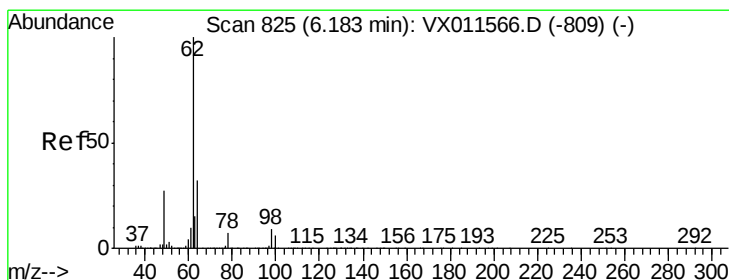
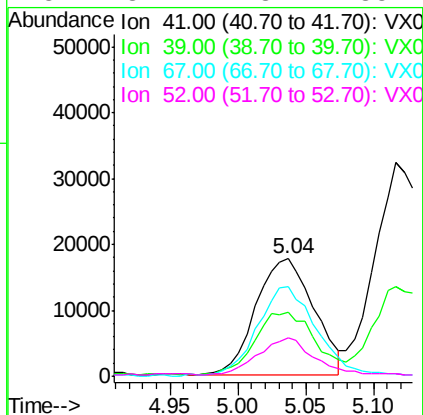
#41
Methacrylonitrile
Concen: 19.756 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		52568		
39	55.8	43.5	65.3		
67	76.3	59.4	89.2		
52	31.2	23.4	35.2		

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

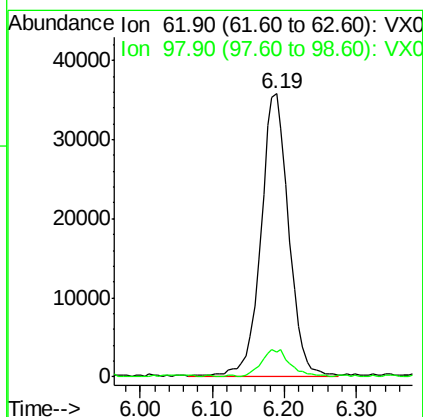
Manual Integrations
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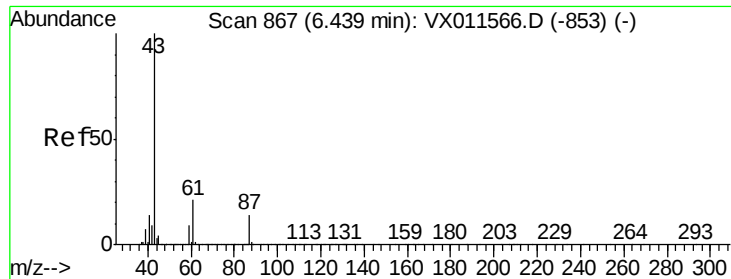
MMDadoda
8/22/2019 9:00:35 AM



#42
1,2-Dichloroethane
Concen: 21.321 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.01 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		96491		
98	9.4	0.0	19.4		





#43

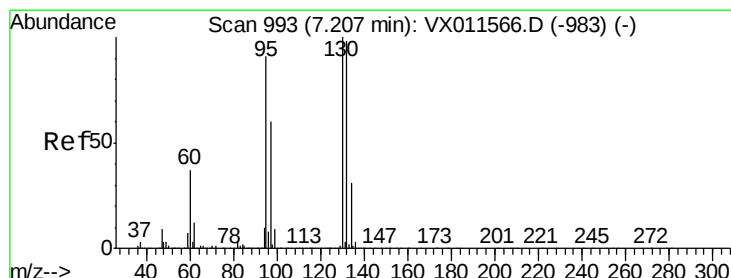
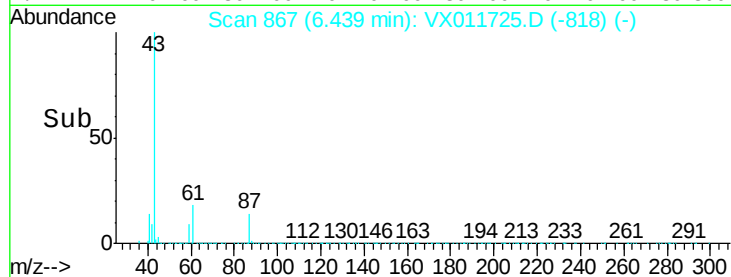
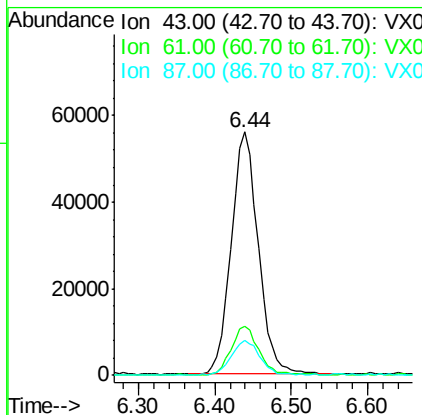
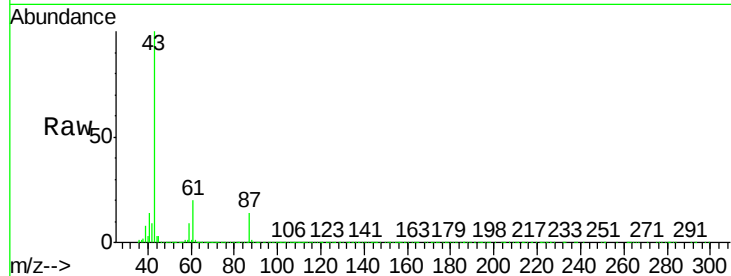
Isopropyl Acetate
 Concen: 18.202 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.6	24.8
87	15.0	11.4	17.2

Manual Integrations
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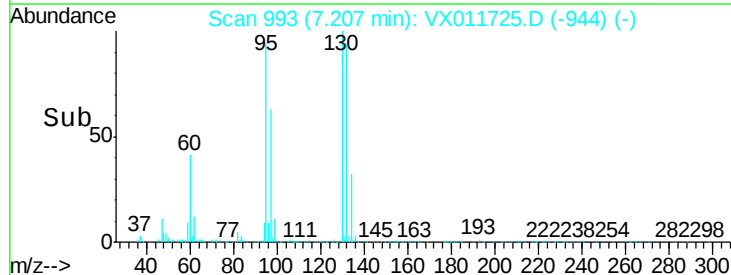
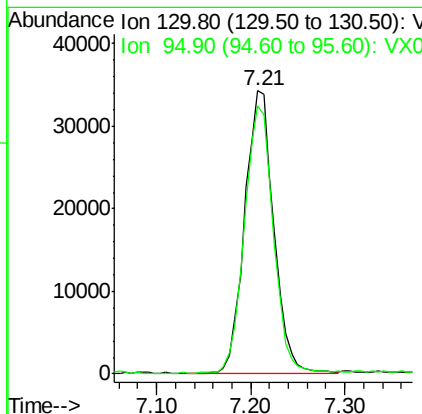
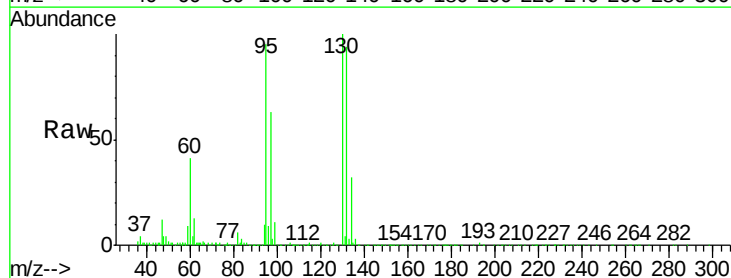
MMDadoda
 8/22/2019 9:00:35 AM

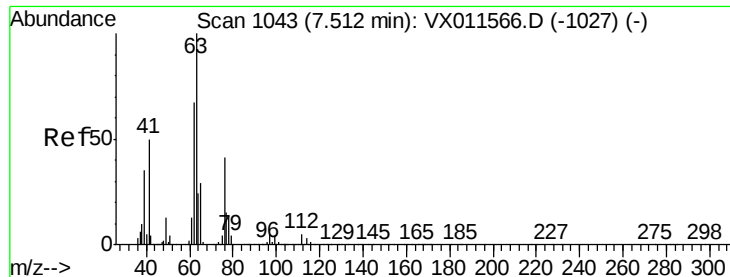


#44

Trichloroethene
 Concen: 19.249 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	181.4





#45

1,2-Dichloropropane

Concen: 19.362 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 63 Resp: 63075

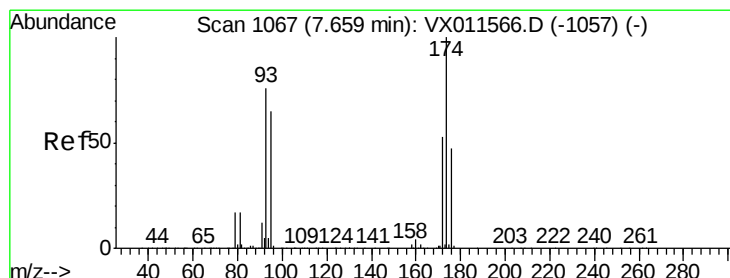
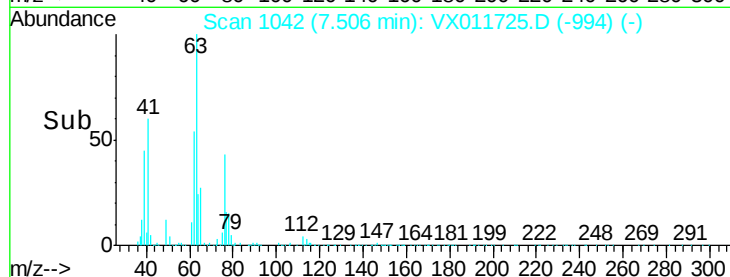
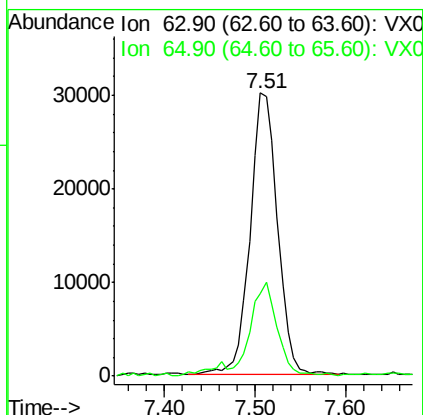
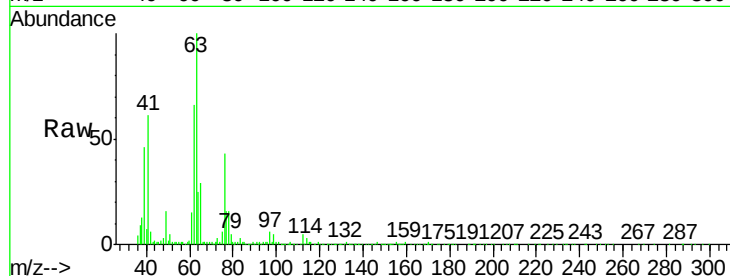
Ion Ratio Lower Upper

63 100

65 28.8 23.4 35.2

Manual Integrations
APPROVED

MMDadoda
8/22/2019 9:00:35 AM



#46

Dibromomethane

Concen: 19.289 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

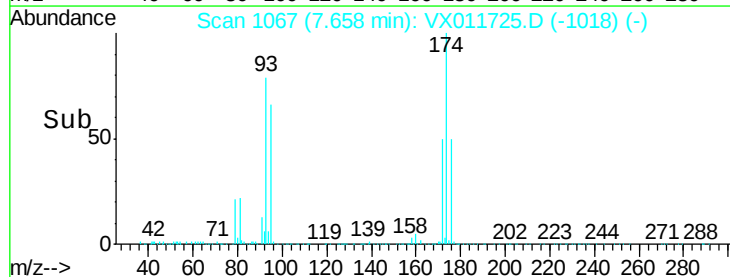
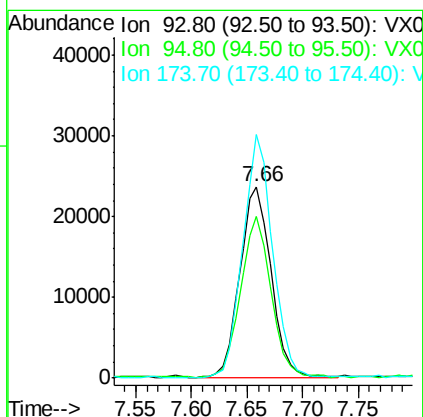
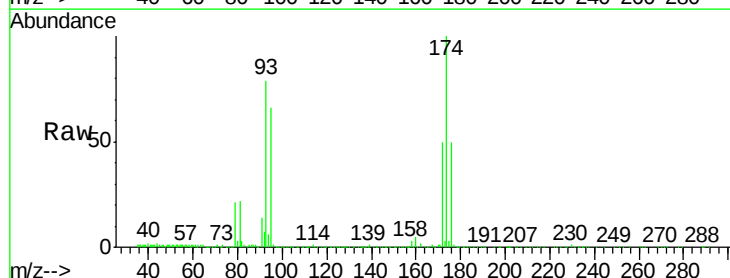
Tgt Ion: 93 Resp: 45664

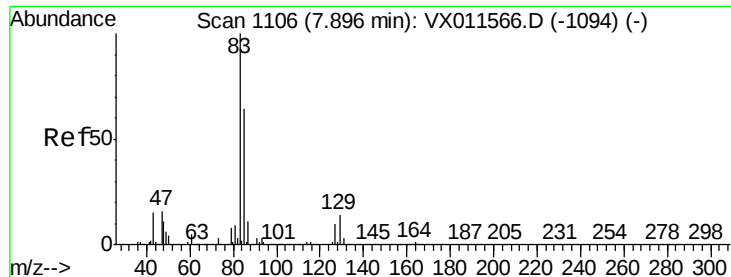
Ion Ratio Lower Upper

93 100

95 82.5 67.2 100.8

174 123.2 105.5 158.3





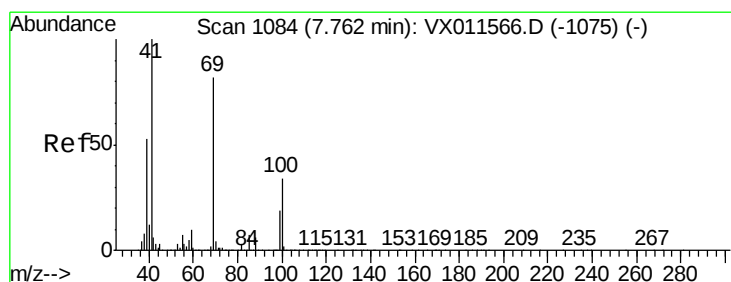
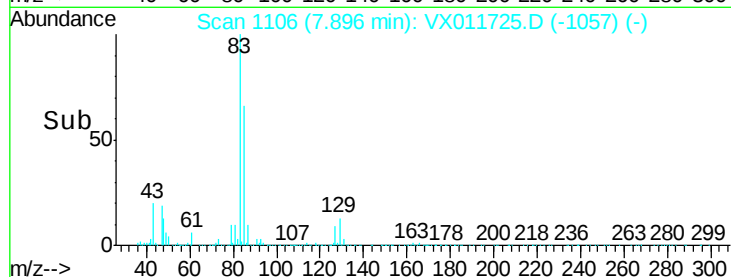
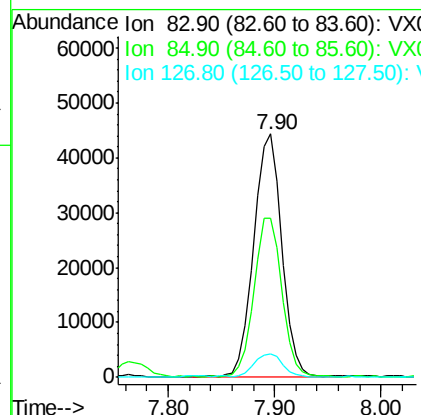
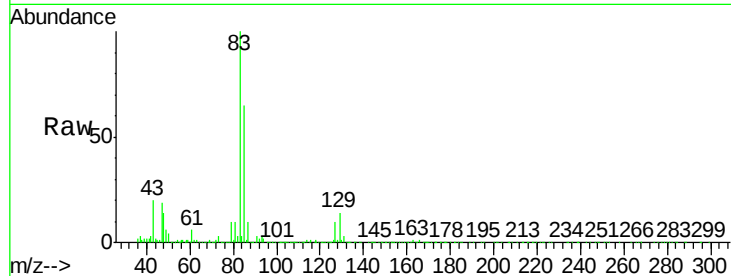
#47
Bromodichloromethane
Concen: 19.102 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.1	51.2	76.8	
127	9.3	8.1	12.1	

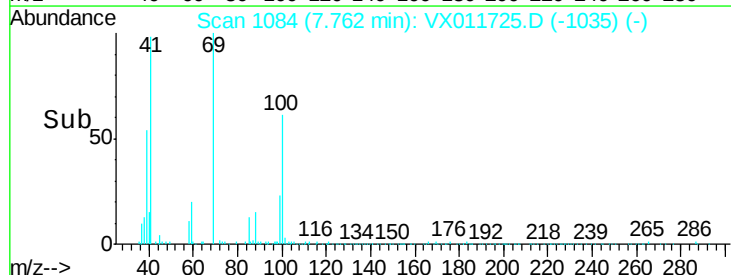
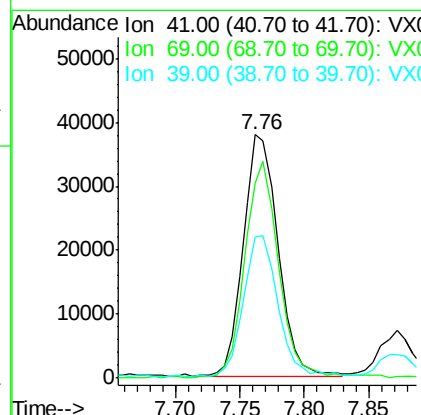
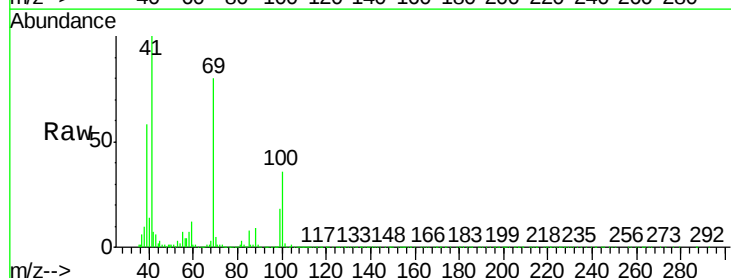
Manual Integrations
APPROVED

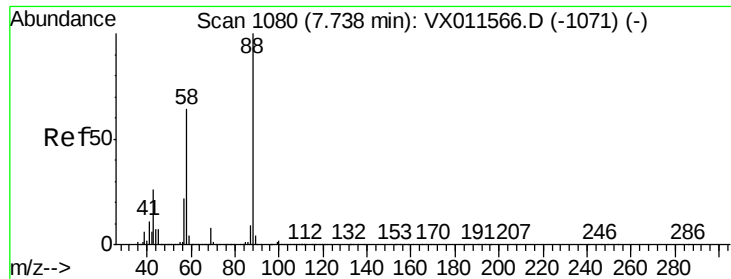
MMDadoda
8/22/2019 9:00:35 AM



#48
Methyl methacrylate
Concen: 18.912 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	86.8	67.9	101.9	
39	57.2	41.6	62.4	





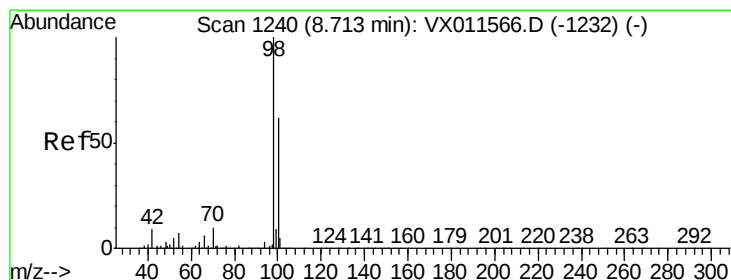
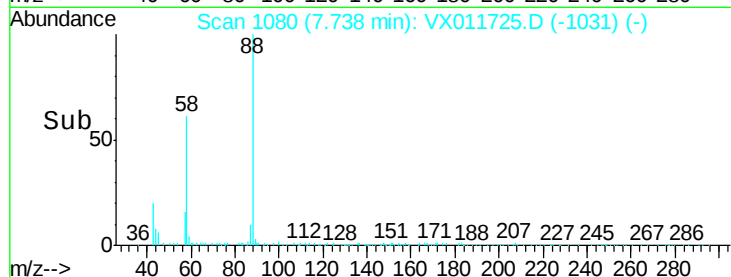
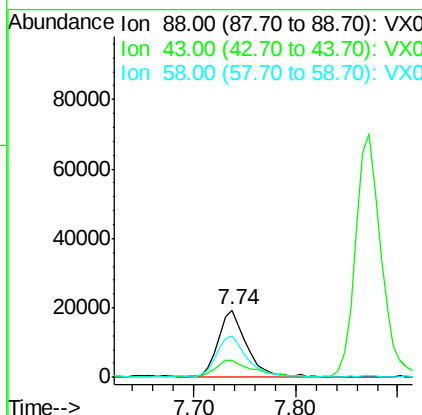
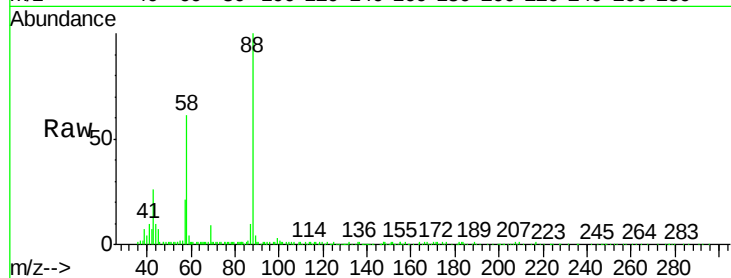
#49
1,4-Dioxane
Concen: 384.639 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	23.4	35.0#
58	63.0	54.3	81.5

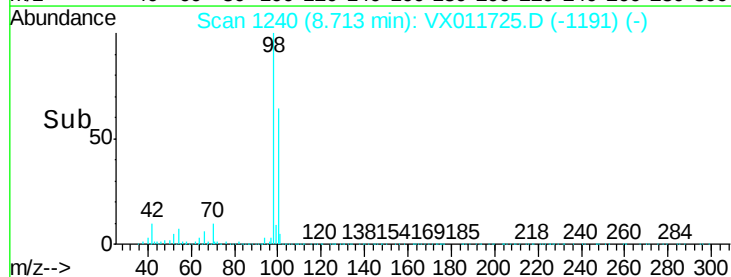
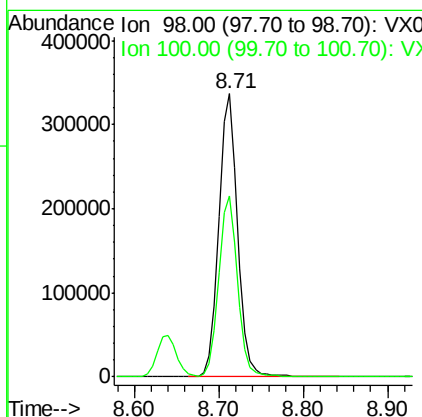
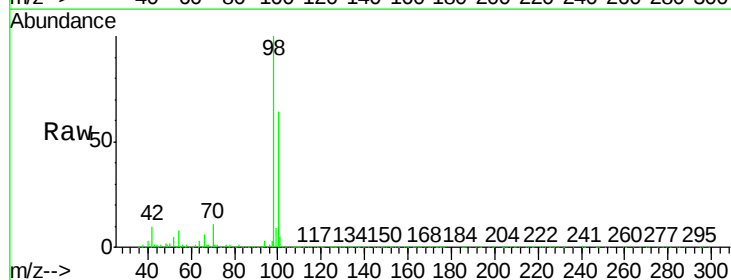
Manual Integrations
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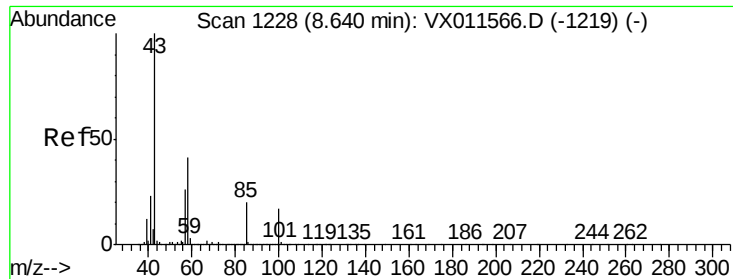
MMDadoda
8/22/2019 9:00:35 AM



#50
Toluene-d8
Concen: 51.810 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 97.833 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 43 Resp: 483162

Ion Ratio Lower Upper

43 100

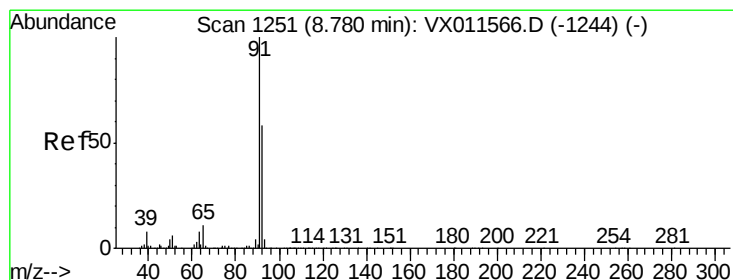
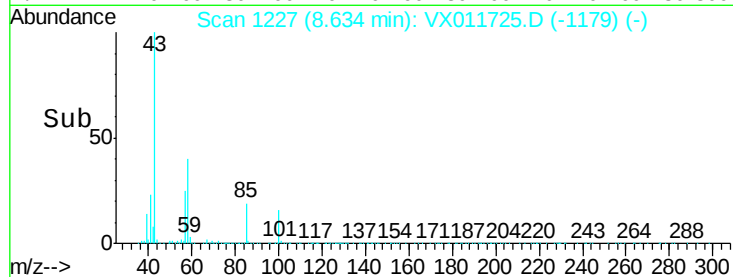
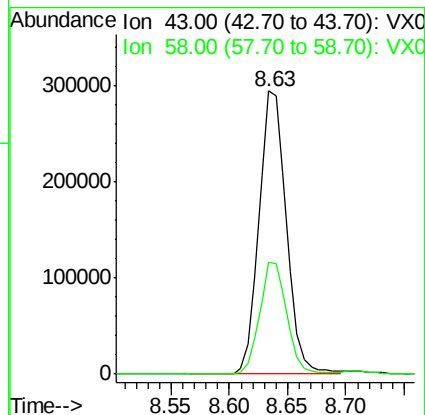
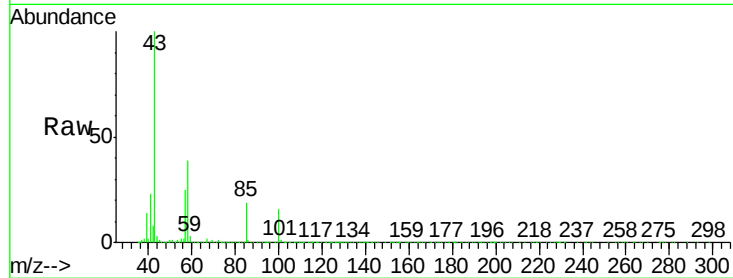
58 38.9 31.8 47.6

Manual Integrations

APPROVED

MMDadoda

8/22/2019 9:00:35 AM



#52

Toluene

Concen: 20.408 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011725.D

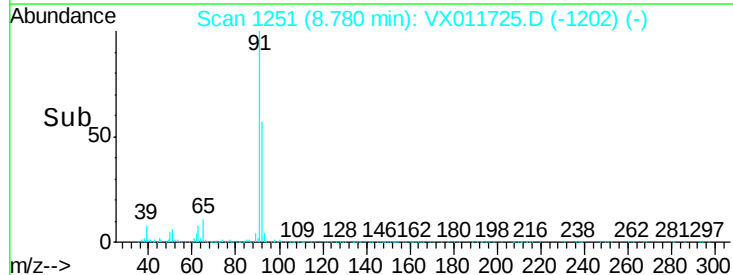
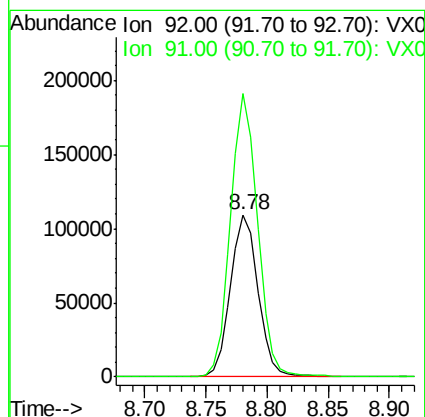
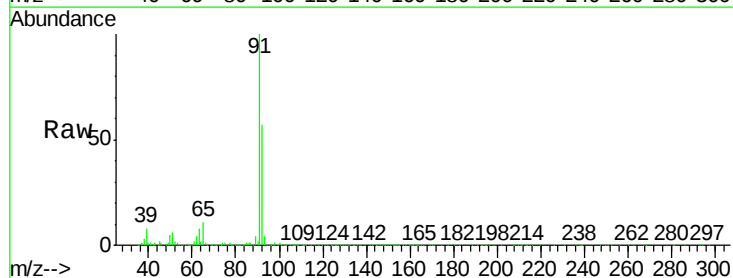
Acq: 21 Aug 2019 12:23

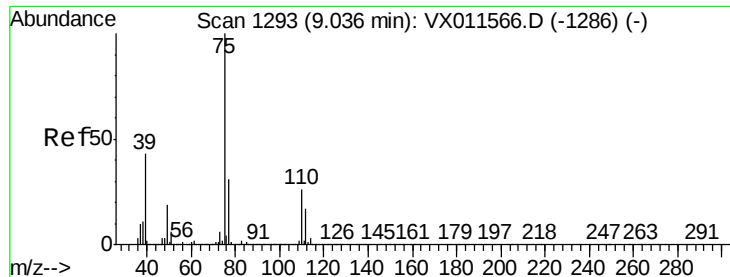
Tgt Ion: 92 Resp: 169835

Ion Ratio Lower Upper

92 100

91 172.1 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 18.640 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 75 Resp: 84089

Ion Ratio Lower Upper

75 100

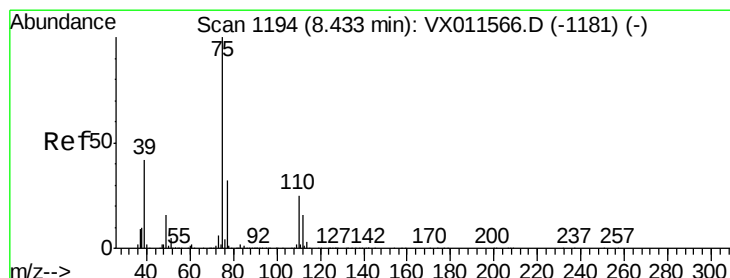
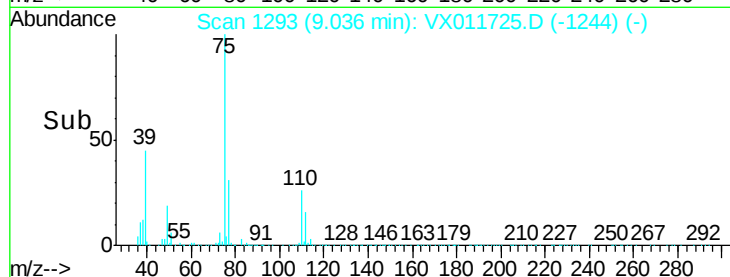
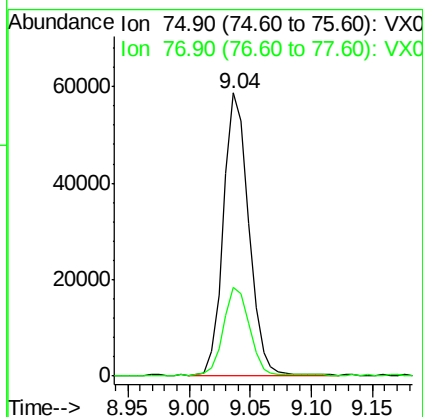
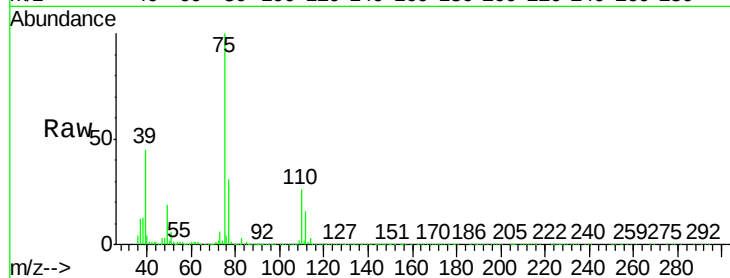
77 31.3 25.1 37.7

Manual Integrations

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8/22/2019 9:00:35 AM



#54

cis-1,3-Dichloropropene

Concen: 19.840 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

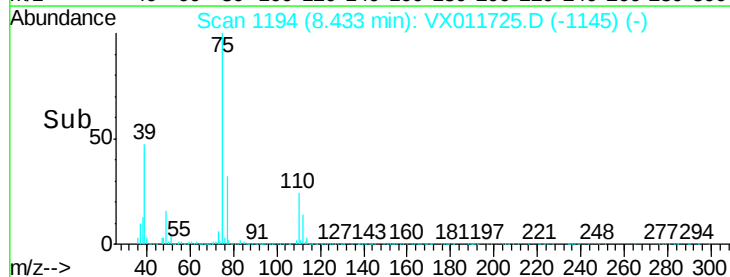
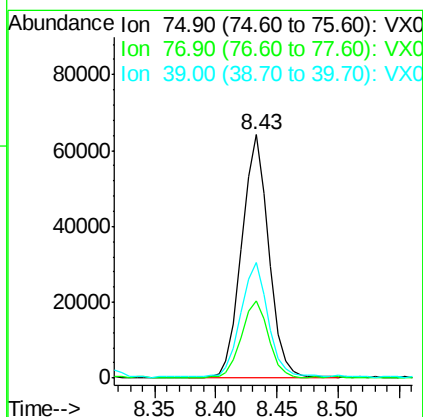
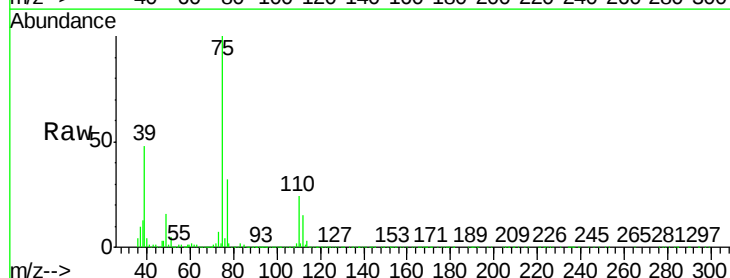
Tgt Ion: 75 Resp: 97947

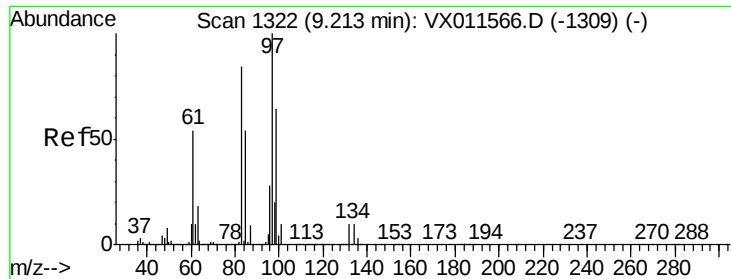
Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

39 47.1 33.6 50.4





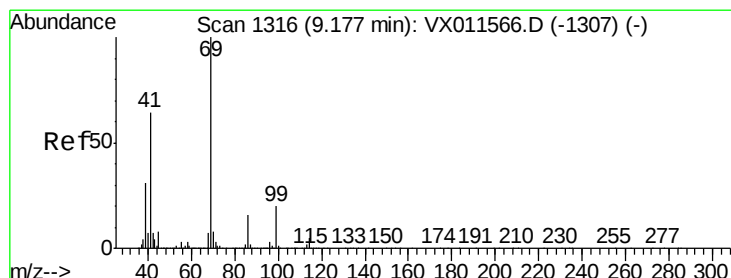
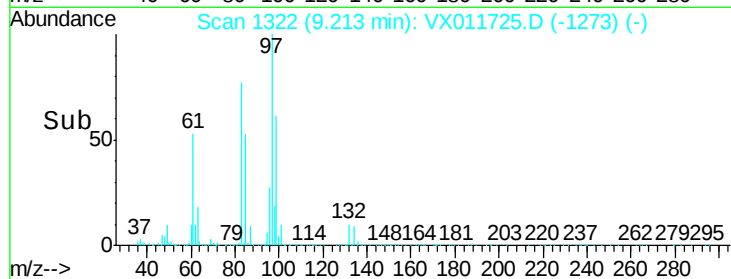
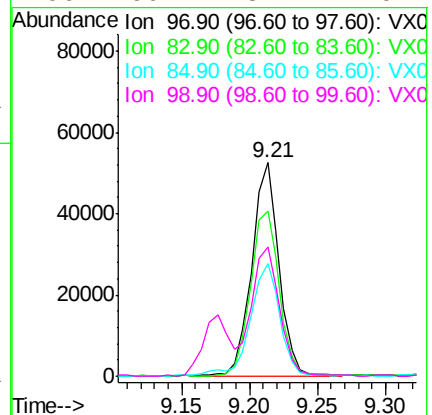
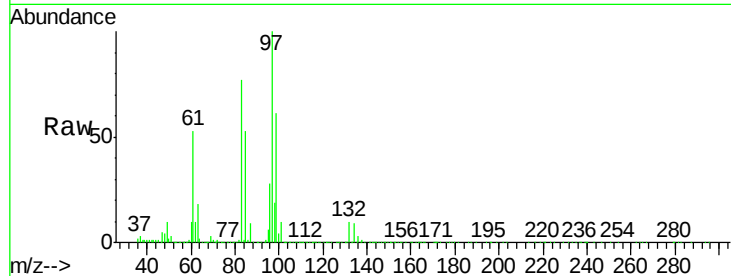
#55
 1,1,2-Trichloroethane
 Concen: 20.686 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		73206		
83	77.4	67.4	101.0		
85	52.4	43.4	65.2		
99	60.4	51.1	76.7		

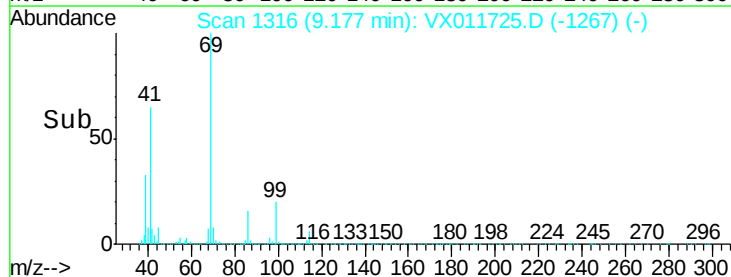
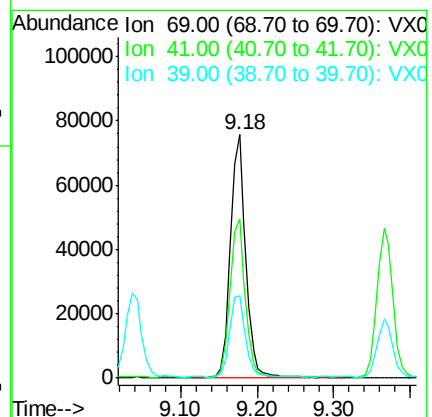
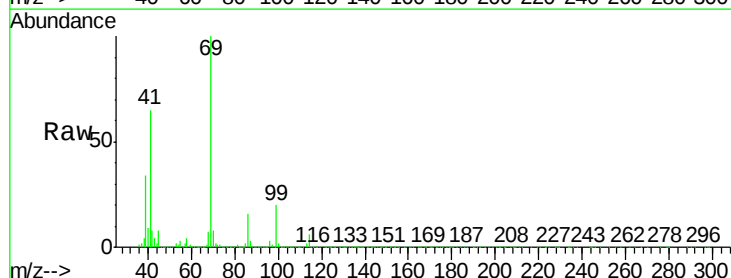
Manual Integrations
 APPROVED

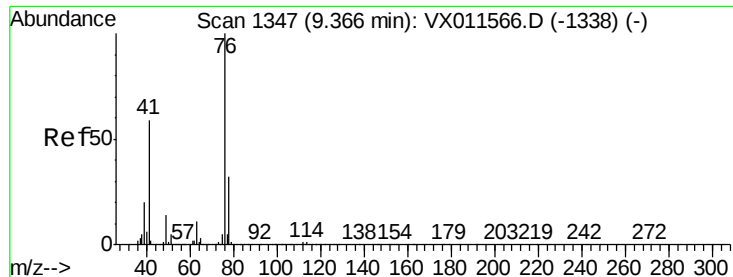
MMDadoda
 8/22/2019 9:00:35 AM



#56
 Ethyl methacrylate
 Concen: 20.386 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		104859		
41	66.7	52.1	78.1		
39	35.2	25.4	38.0		





#57

1,3-Dichloropropane

Concen: 21.188 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 76 Resp: 119193

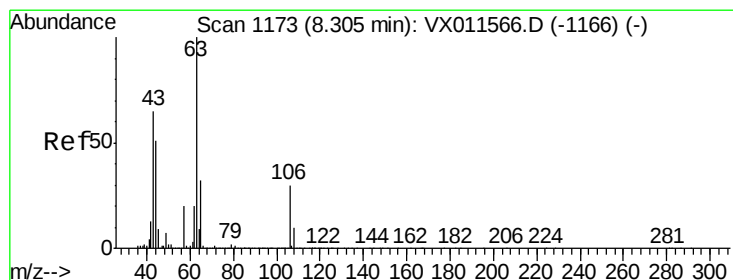
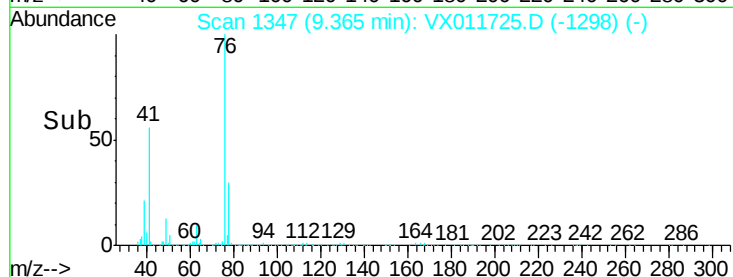
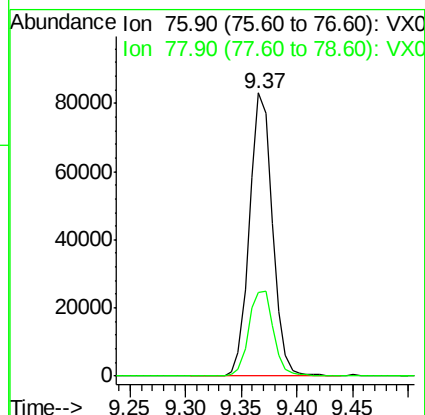
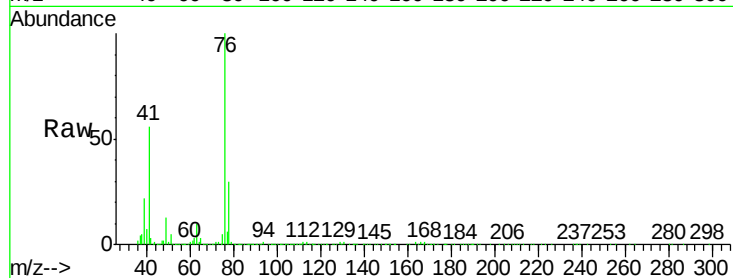
Ion Ratio Lower Upper

76 100

78 31.8 26.2 39.4

Manual Integrations
APPROVED

MMDadoda
8/22/2019 9:00:35 AM



#58

2-Chloroethyl Vinyl ether

Concen: 101.116 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VX011725.D

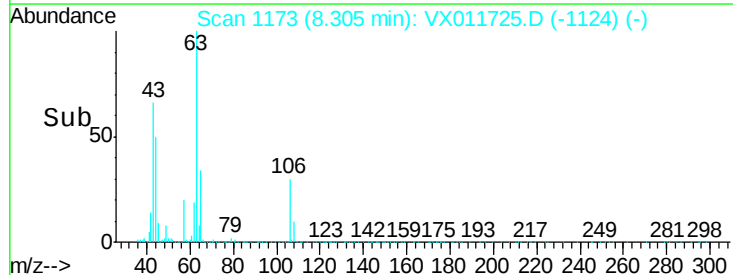
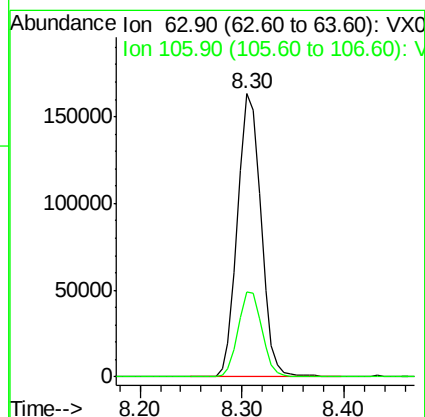
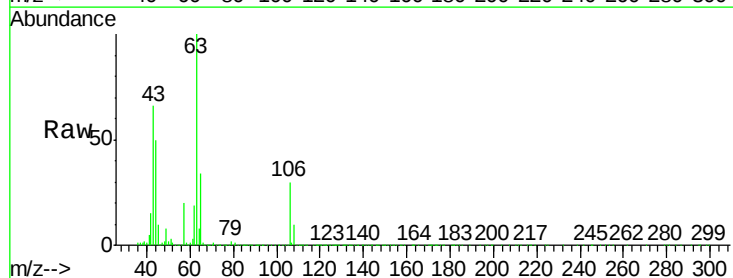
Acq: 21 Aug 2019 12:23

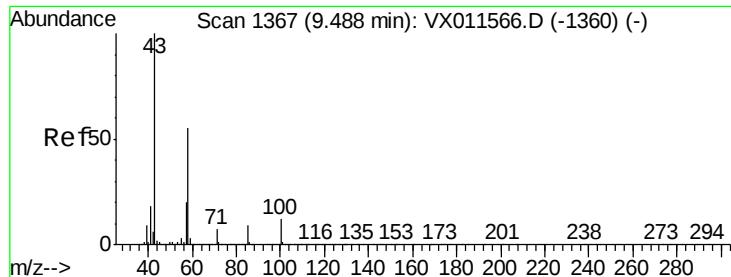
Tgt Ion: 63 Resp: 259147

Ion Ratio Lower Upper

63 100

106 30.3 24.7 37.1





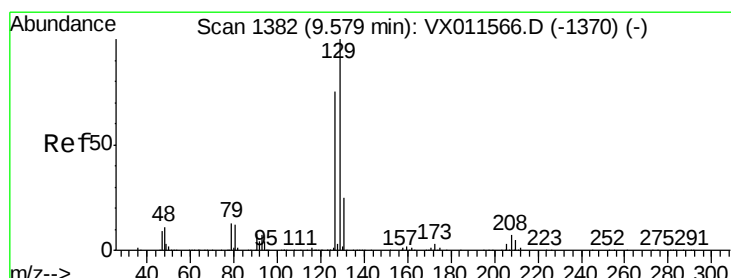
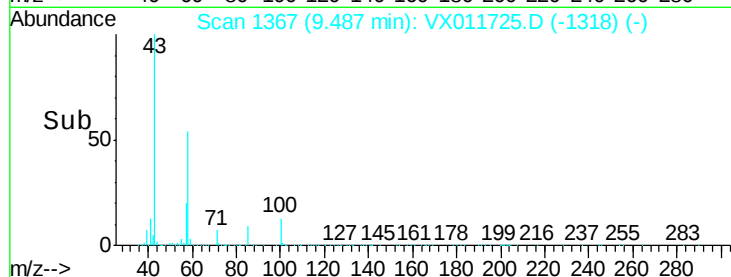
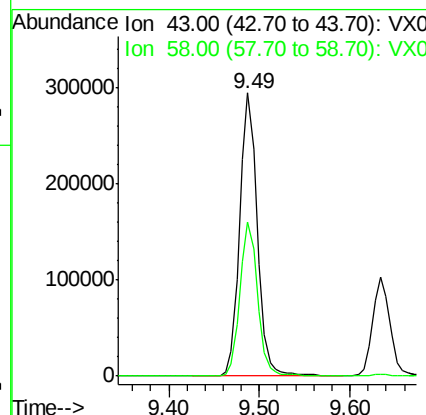
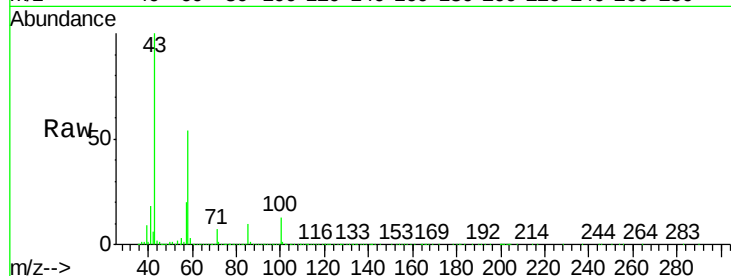
#59
2-Hexanone
Concen: 104.362 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.5	82.4

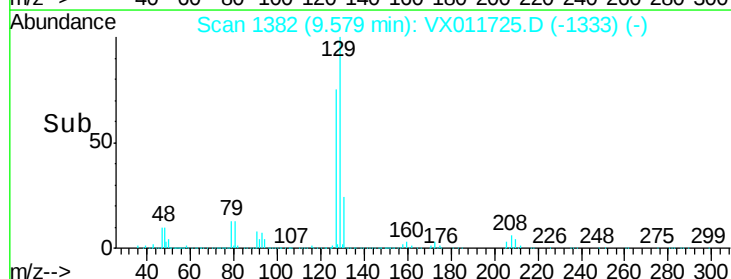
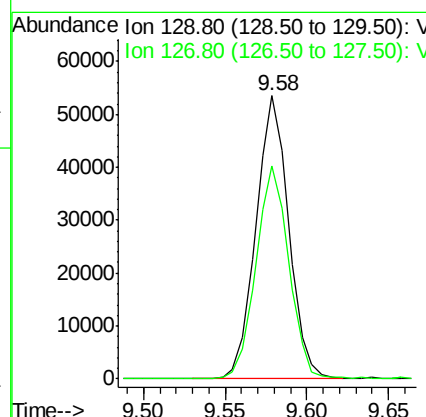
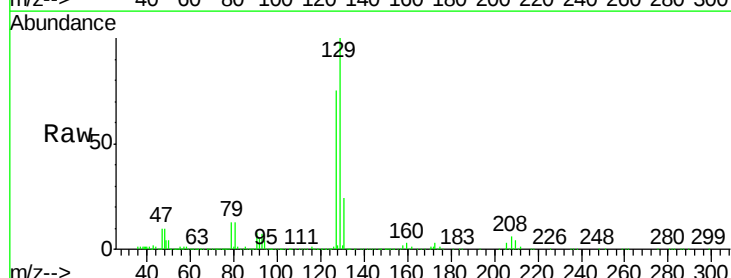
Manual Integrations
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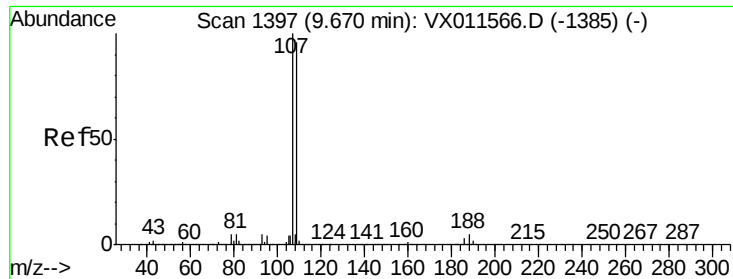
MMDadoda
8/22/2019 9:00:35 AM



#60
Dibromochloromethane
Concen: 20.204 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.0	114.1





#61

1,2-Dibromoethane

Concen: 20.832 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion:107 Resp: 78680

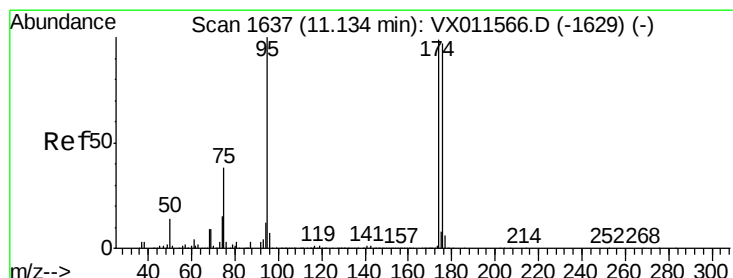
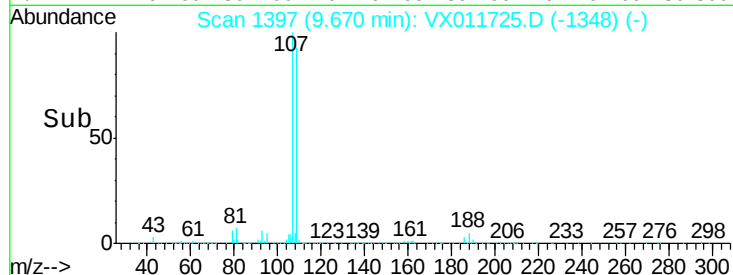
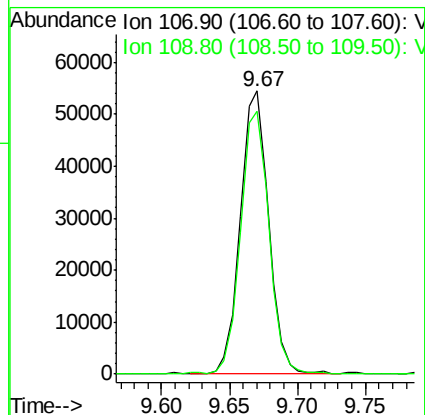
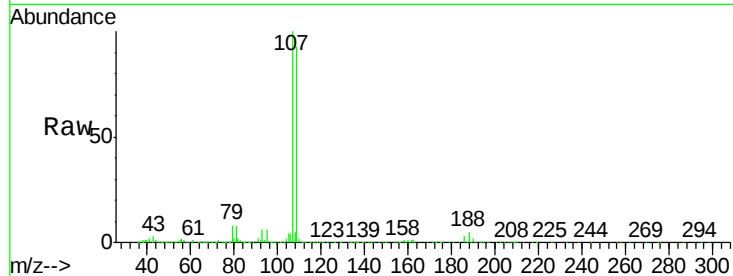
Ion Ratio Lower Upper

107 100

109 93.7 76.2 114.2

Manual Integrations
APPROVED

MMDadoda
8/22/2019 9:00:35 AM



#62

4-Bromofluorobenzene

Concen: 52.500 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

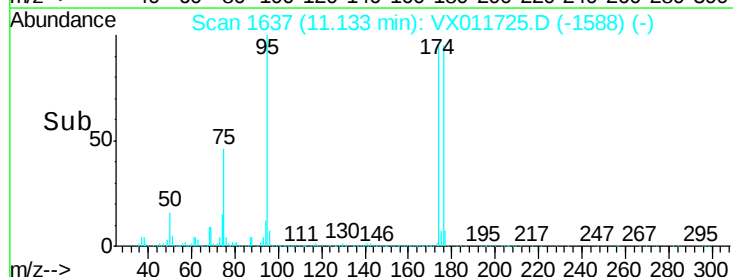
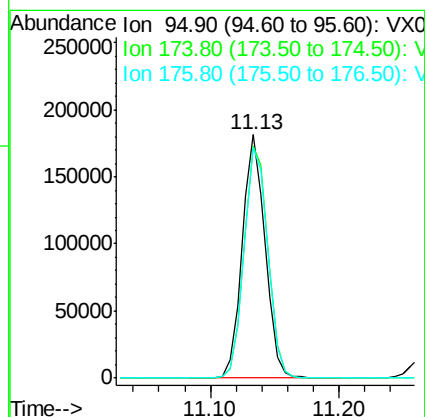
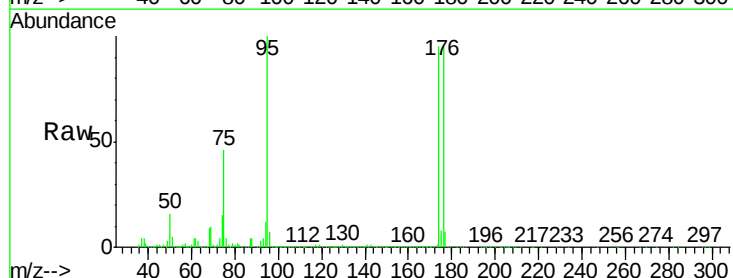
Tgt Ion: 95 Resp: 222025

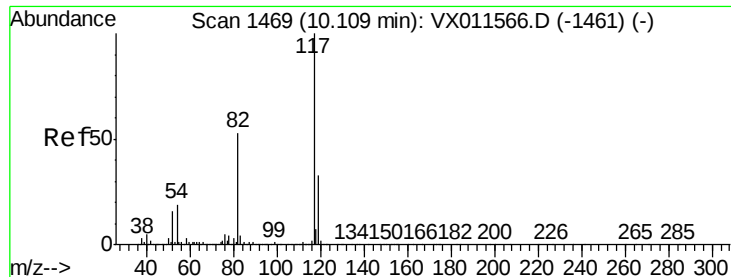
Ion Ratio Lower Upper

95 100

174 99.6 0.0 200.6

176 98.2 0.0 196.6





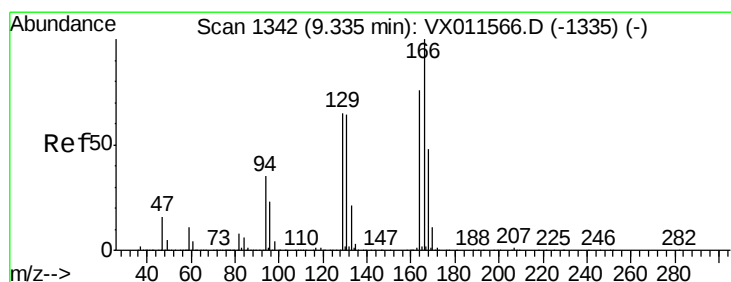
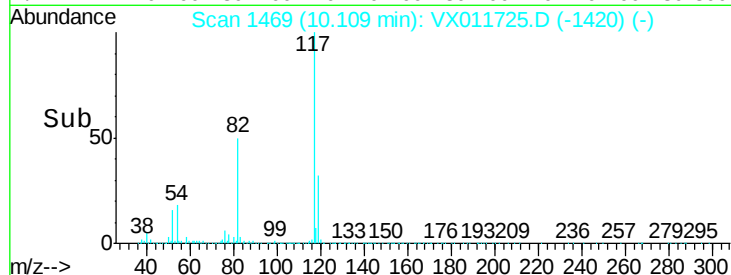
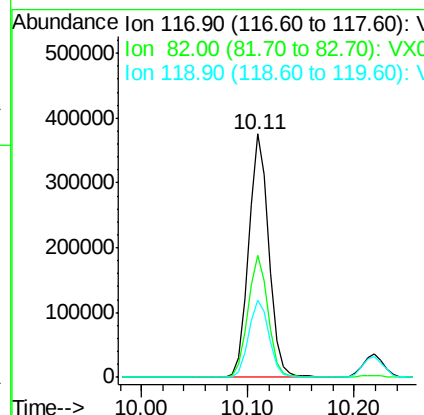
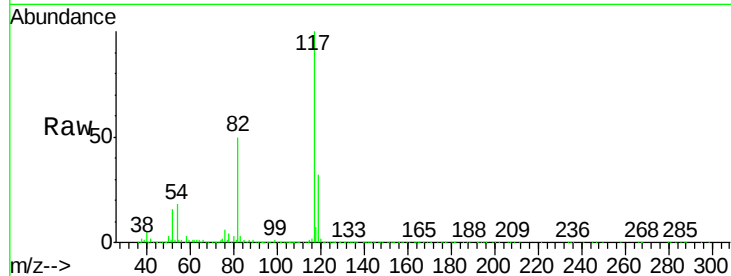
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	499292		
82	50.3	42.0	63.0	
119	31.9	26.5	39.7	

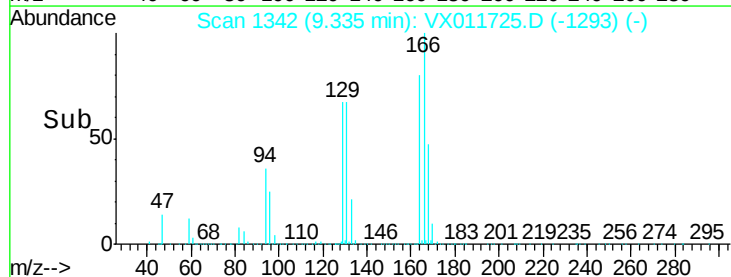
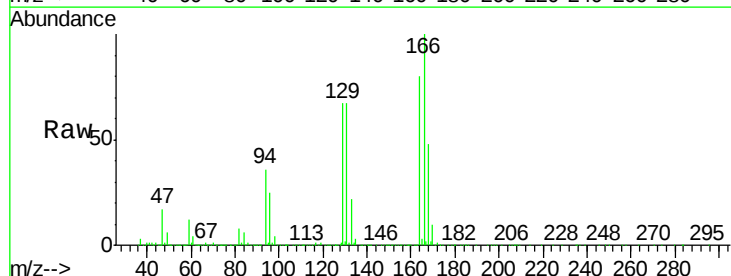
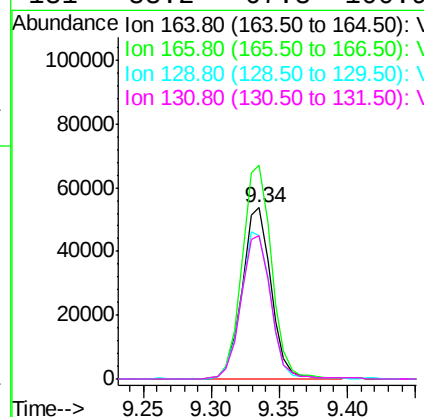
Manual Integrations
APPROVED

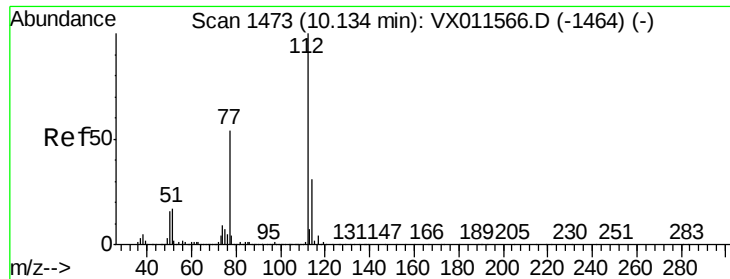
MMDadoda
8/22/2019 9:00:35 AM



#64
Tetrachloroethene
Concen: 19.538 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80041		
166	124.5	104.7	157.1	
129	83.7	68.2	102.4	
131	83.2	67.3	100.9	





#65

Chlorobenzene

Concen: 18.655 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion:112 Resp: 198661

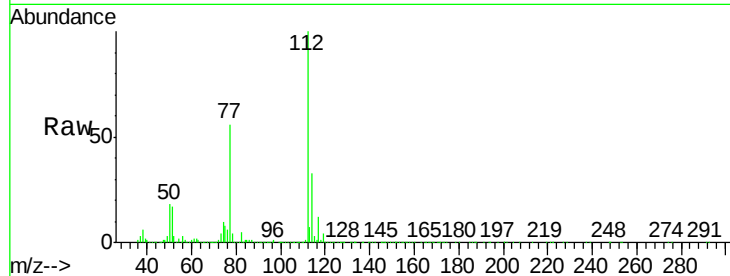
Ion Ratio Lower Upper

112 100

114 33.1 25.0 37.6

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

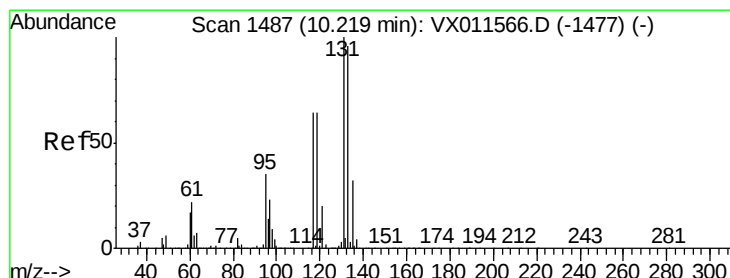
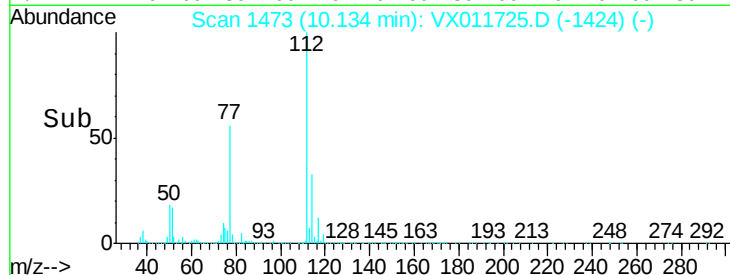
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.233 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

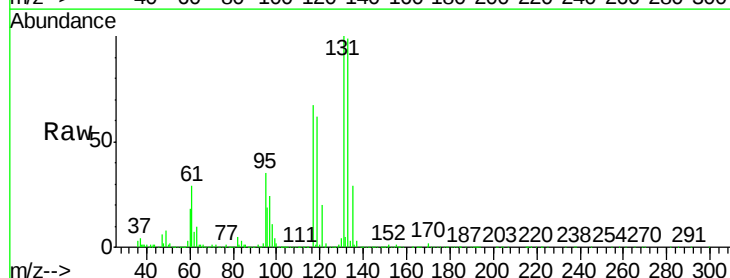
Tgt Ion:131 Resp: 72575

Ion Ratio Lower Upper

131 100

133 98.3 48.1 144.4

119 62.4 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

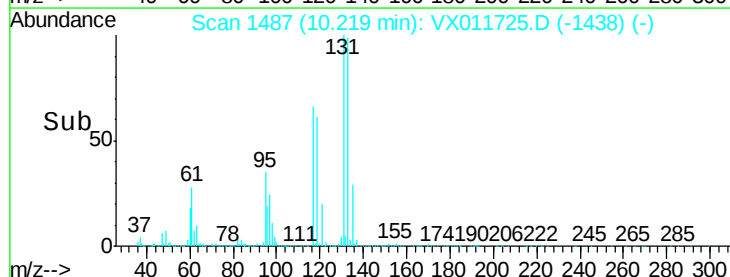
10.22

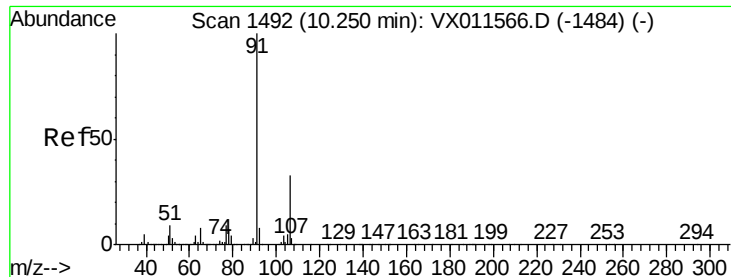
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 19.188 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 91 Resp: 341030

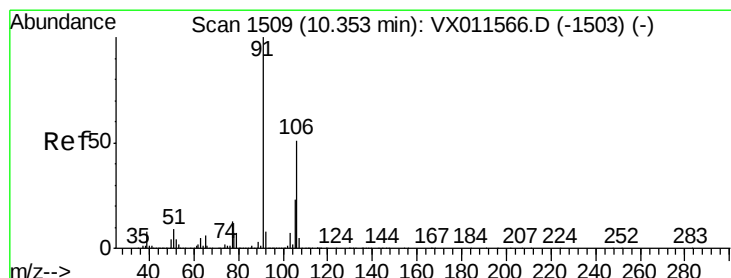
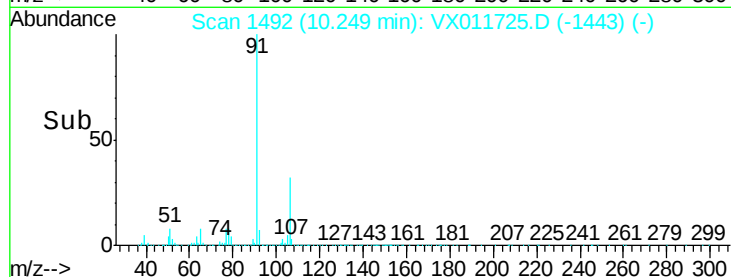
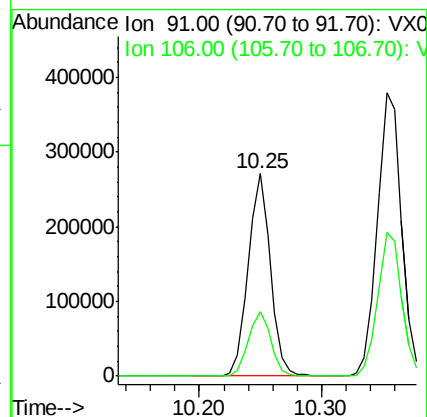
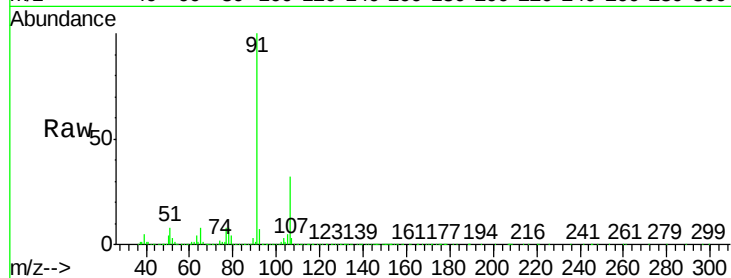
Ion Ratio Lower Upper

91 100

106 32.0 26.0 39.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.731 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VX011725.D

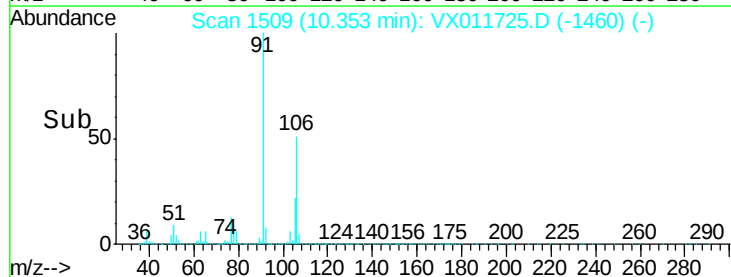
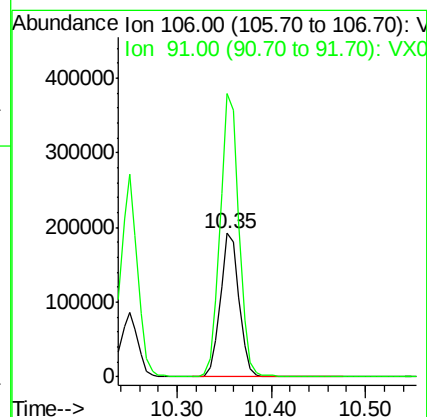
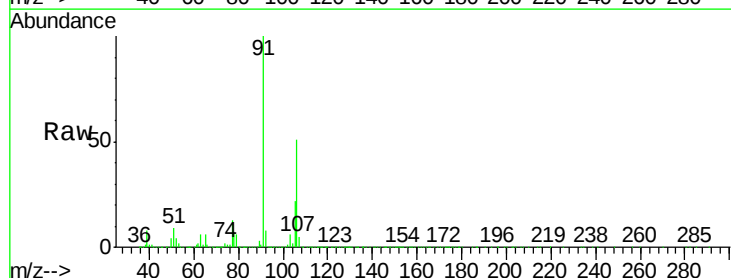
Acq: 21 Aug 2019 12:23

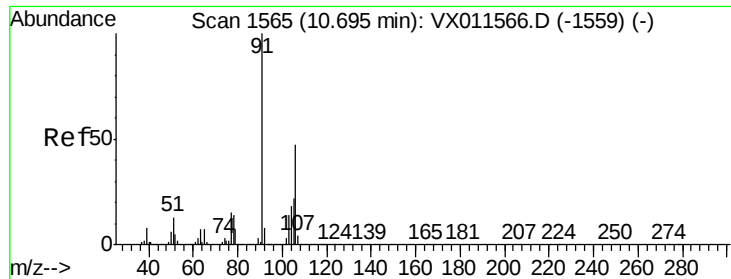
Tgt Ion: 106 Resp: 264231

Ion Ratio Lower Upper

106 100

91 197.4 156.0 234.0





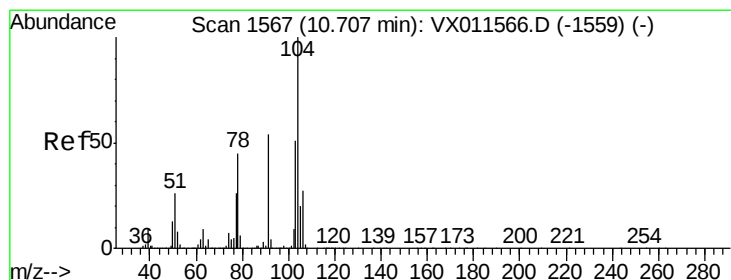
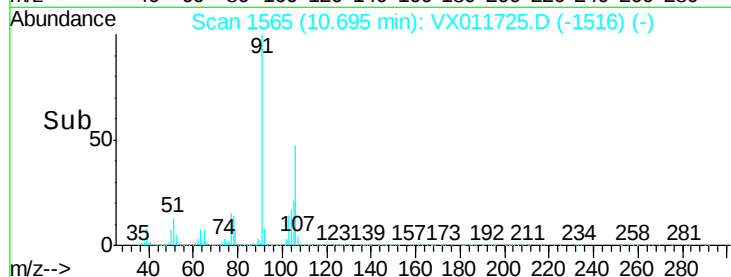
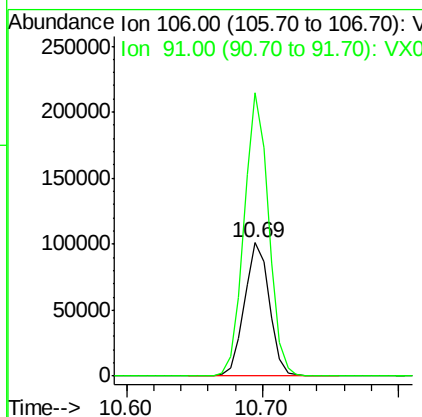
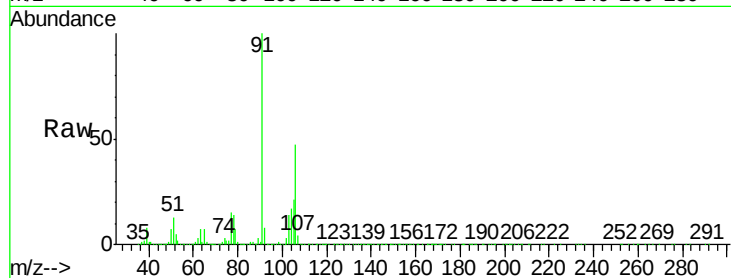
#69
o-Xylene
Concen: 19.311 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.5	105.5	316.4

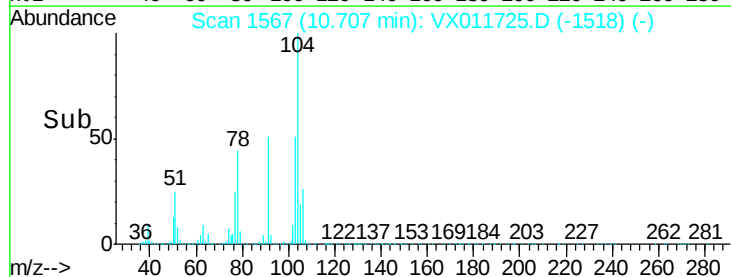
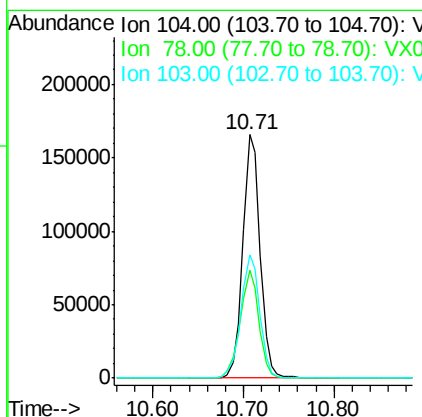
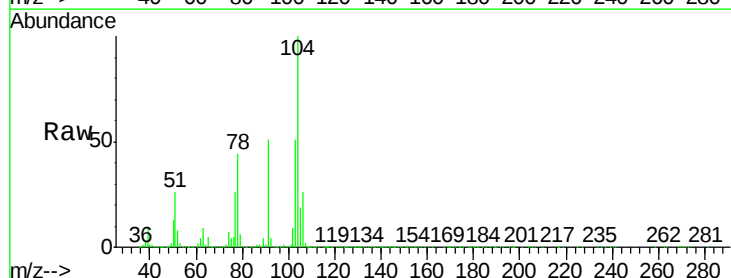
Manual Integrations
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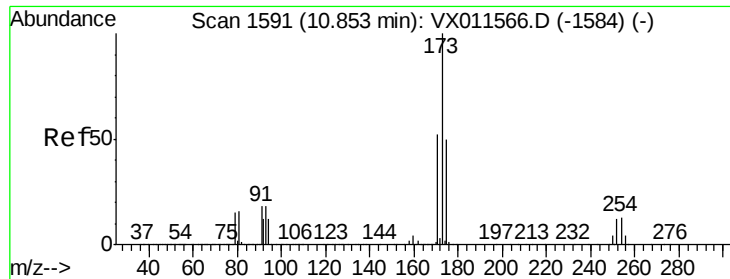
MMDadoda
8/22/2019 9:00:35 AM



#70
Styrene
Concen: 19.492 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	38.2	57.4
103	55.5	43.6	65.4





#71

Bromoform

Concen: 17.100 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion:173 Resp: 57175

Ion Ratio Lower Upper

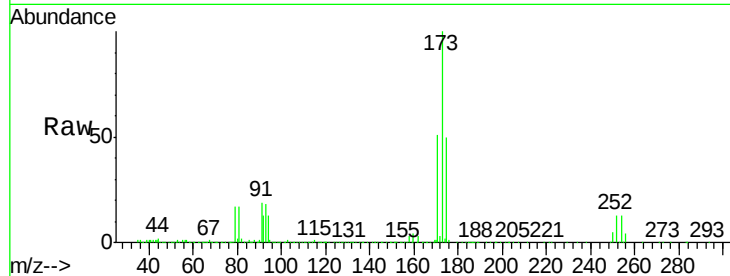
173 100

175 49.7 24.9 74.7

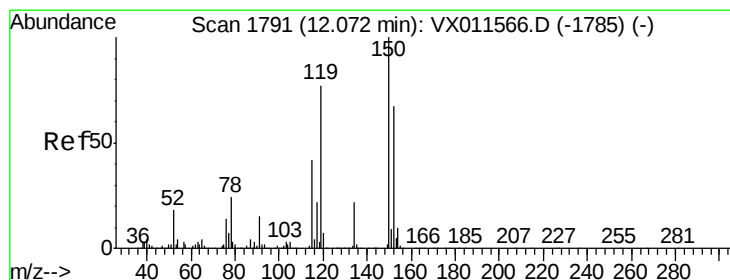
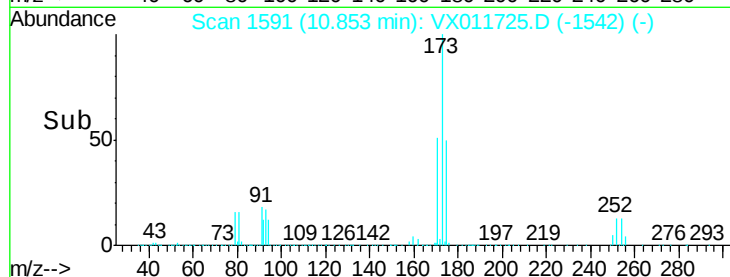
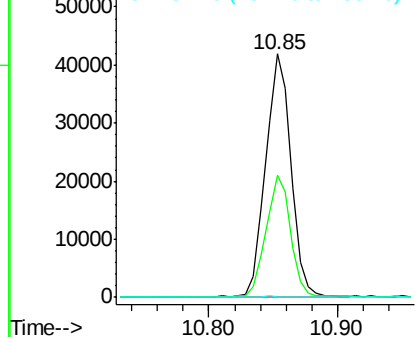
254 0.3 0.1 0.1#

Manual Integrations
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8/22/2019 9:00:35 AM



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. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

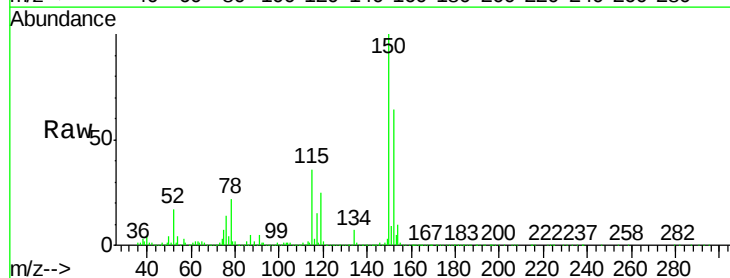
Tgt Ion:152 Resp: 269191

Ion Ratio Lower Upper

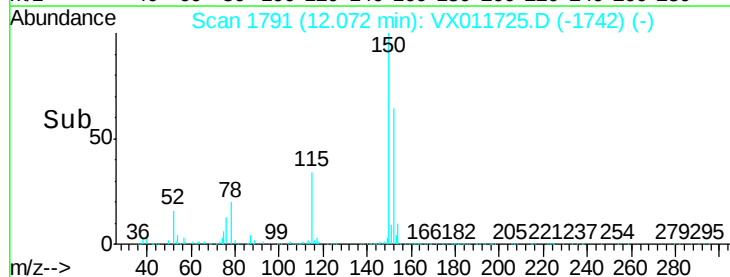
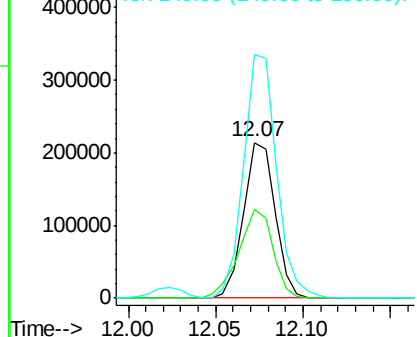
152 100

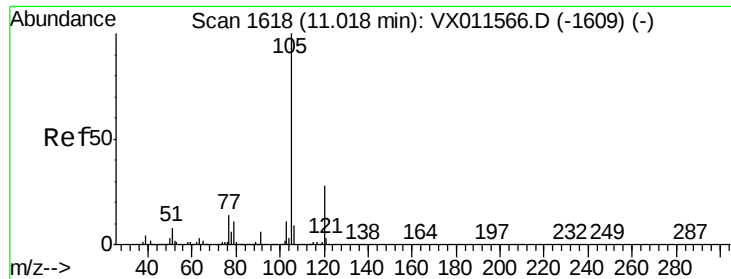
115 61.8 37.3 111.9

150 164.0 0.0 346.2



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





#73

Isopropylbenzene

Concen: 20.075 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 105 Resp: 350656

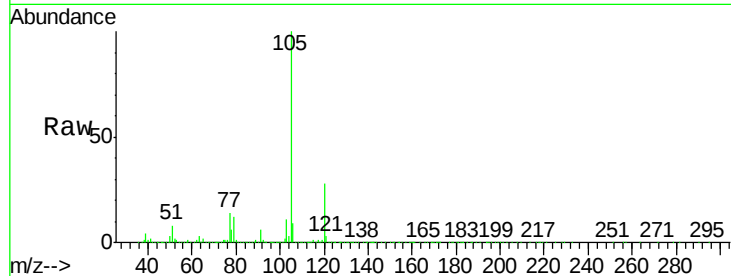
Ion Ratio Lower Upper

105 100

120 27.7 14.0 41.9

Manual Integrations
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8/22/2019 9:00:35 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

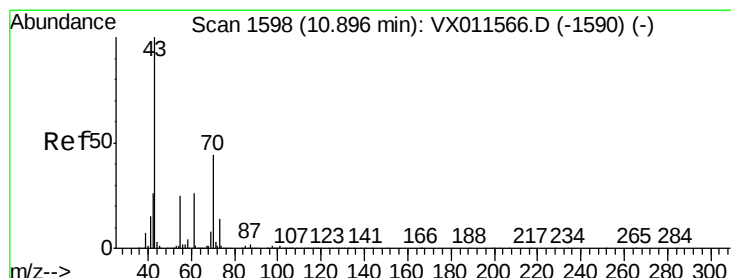
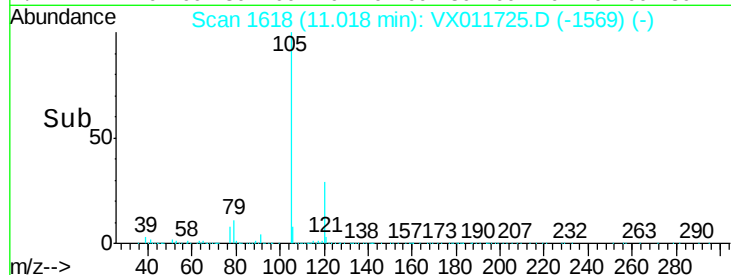
100000

50000

0

11.02

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 17.783 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Tgt Ion: 43 Resp: 132008

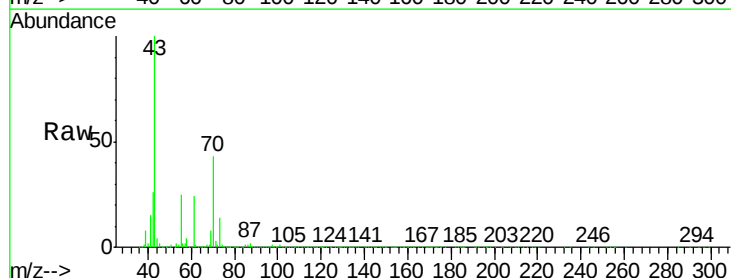
Ion Ratio Lower Upper

43 100

70 44.9 34.7 52.1

55 25.3 19.6 29.4

61 25.6 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

150000

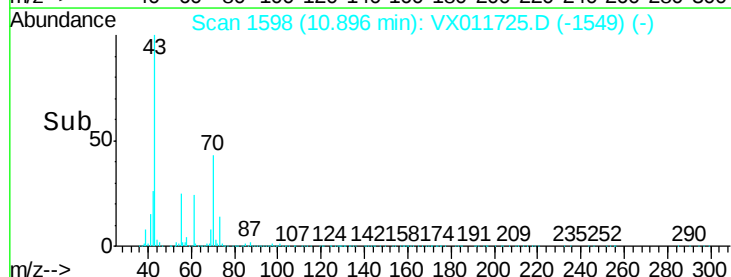
100000

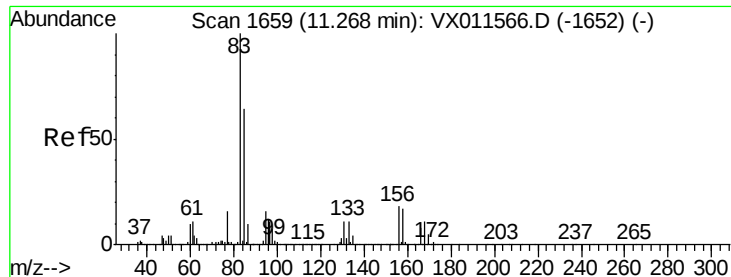
50000

0

10.90

Time--> 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 18.851 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

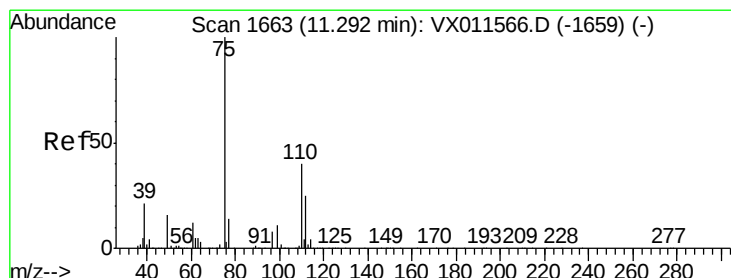
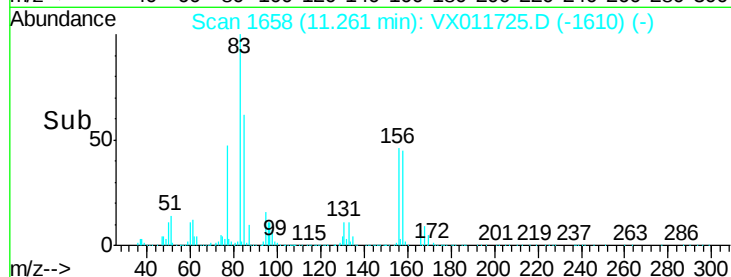
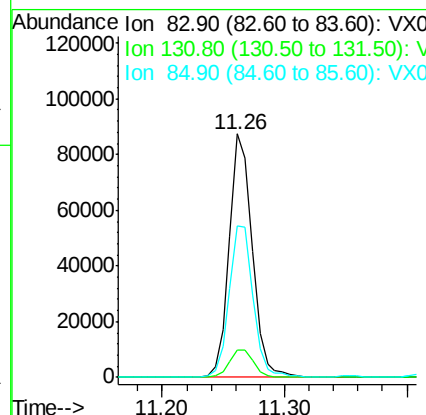
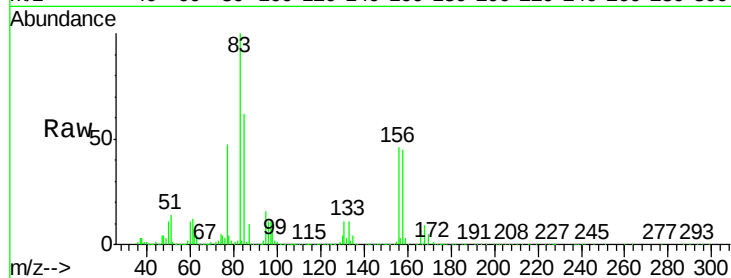
ClientSampleId :

VX0821WBS01

Tot Ion:	83	Resp:	113271
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.8	17.3
85	64.7	31.9	95.9

Manual Integrations
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8/22/2019 9:00:35 AM



#76

1,2,3-Trichloropropane

Concen: 19.146 ug/l m

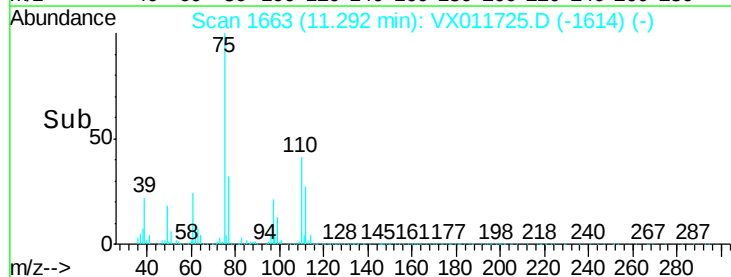
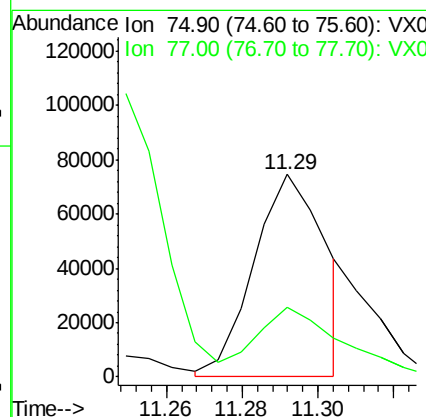
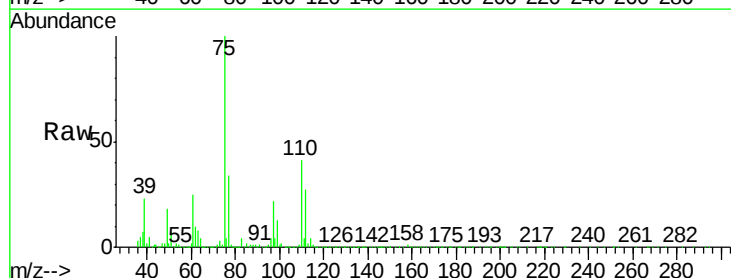
RT: 11.29 min Scan# 1663

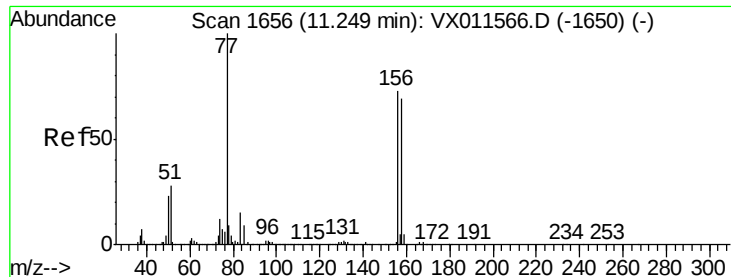
Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Tgt Ion:	75	Resp:	97729
Ion Ratio	Lower	Upper	
75	100		
77	40.8	20.9	62.8





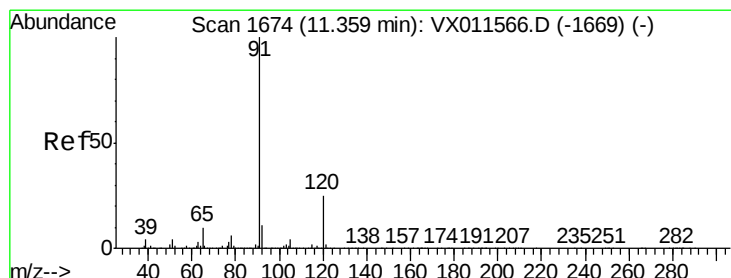
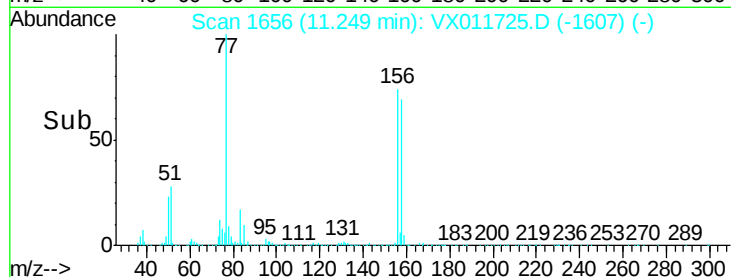
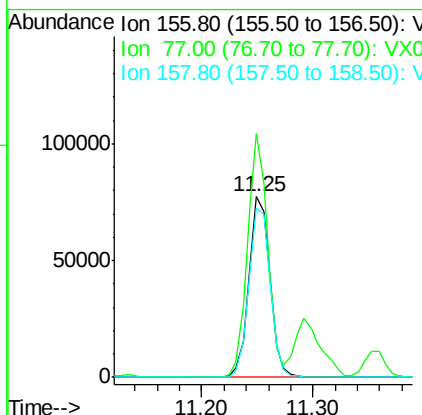
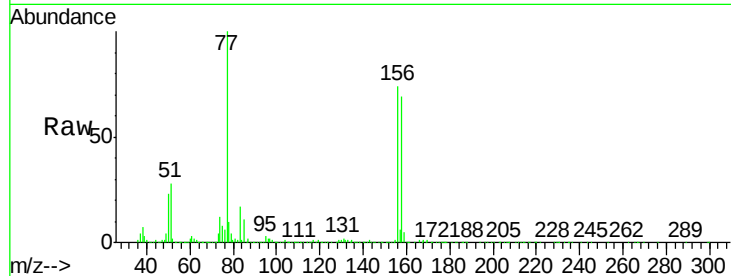
#77
Bromobenzene
Concen: 19.474 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampled :
VX0821WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	129.2	64.6	193.9
158	95.6	48.4	145.3

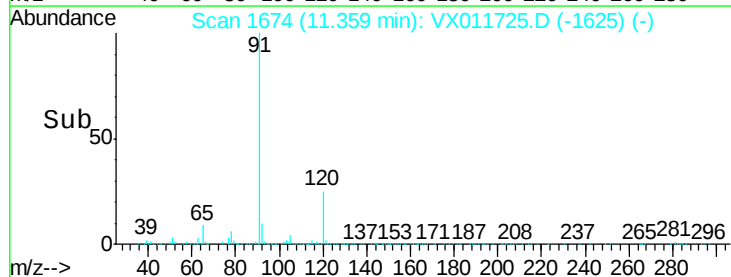
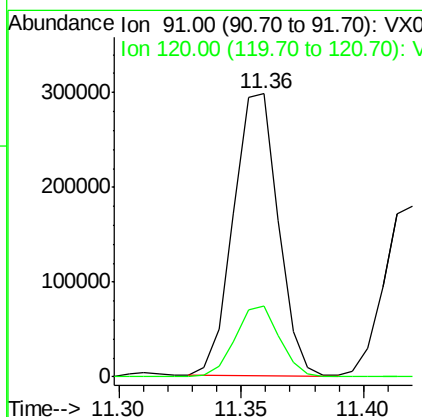
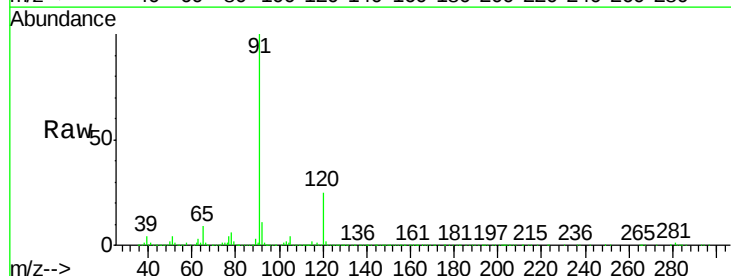
Manual Integrations
APPROVED

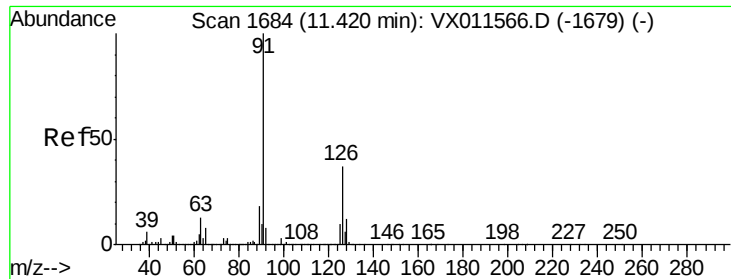
MMDadoda
8/22/2019 9:00:35 AM



#78
n-propylbenzene
Concen: 20.222 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.6	37.6





#79

2-Chlorotoluene

Concen: 19.806 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion: 91 Resp: 229071

Ion Ratio Lower Upper

91 100

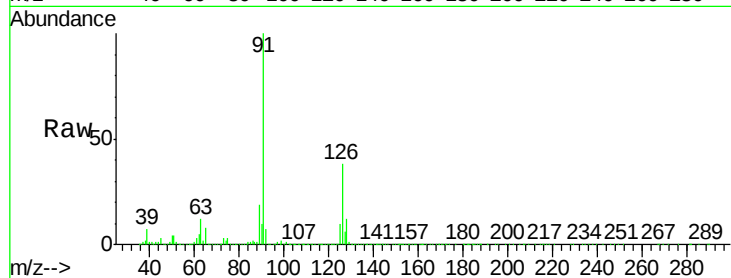
126 37.4 18.4 55.0

Manual Integrations

APPROVED

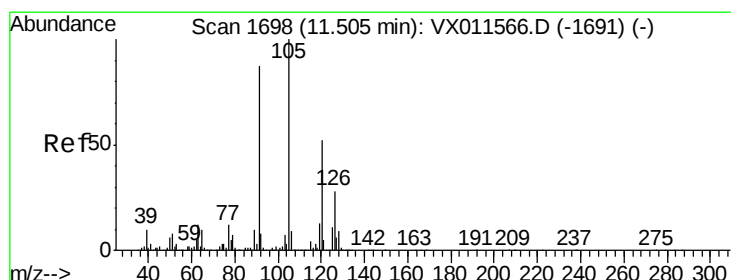
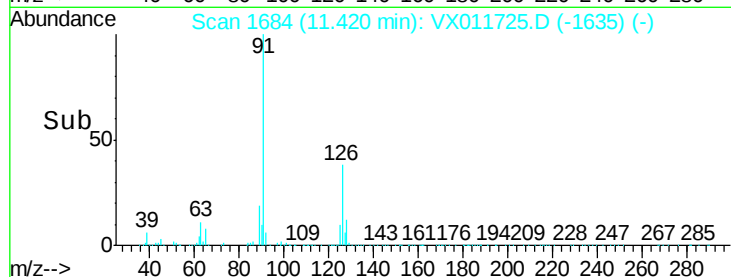
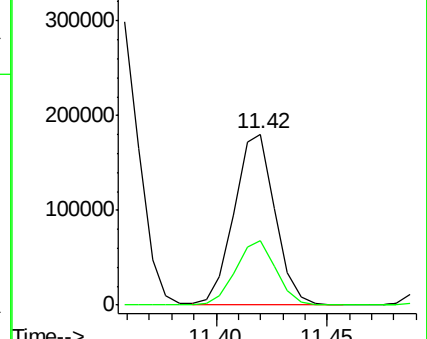
MMDadoda

8/22/2019 9:00:35 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.340 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011725.D

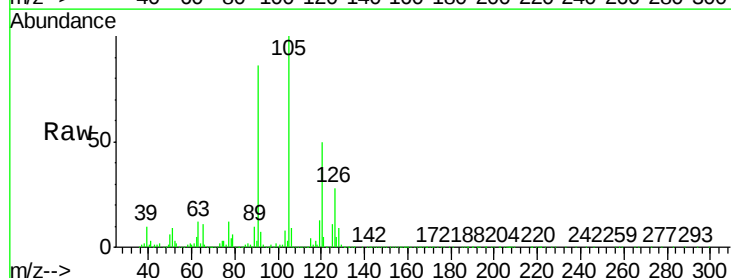
Acq: 21 Aug 2019 12:23

Tgt Ion:105 Resp: 298454

Ion Ratio Lower Upper

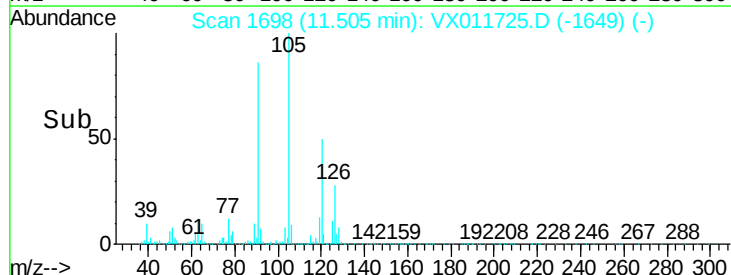
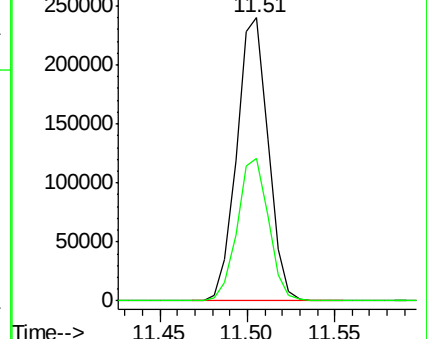
105 100

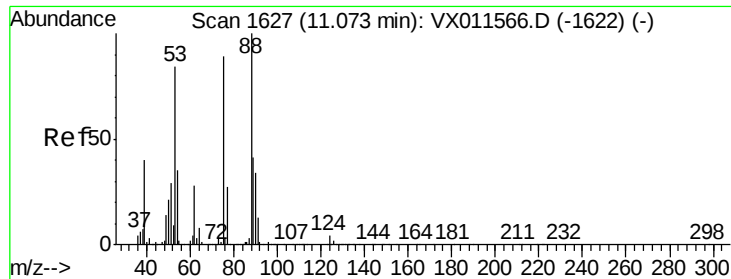
120 50.1 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





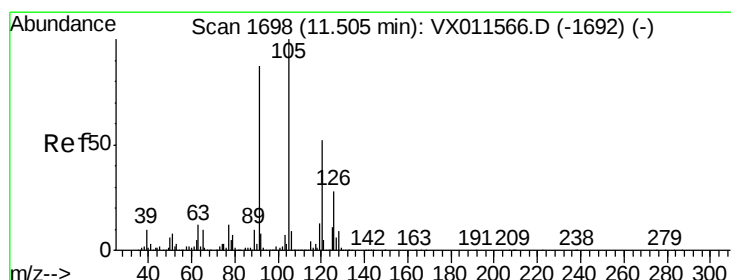
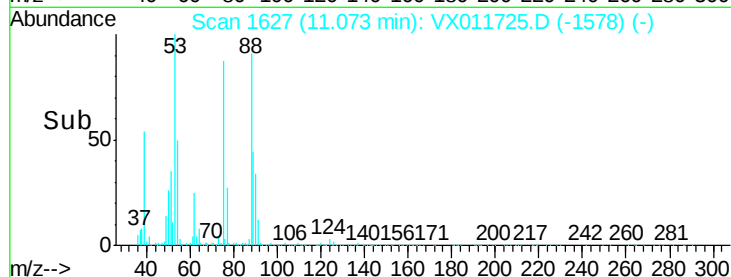
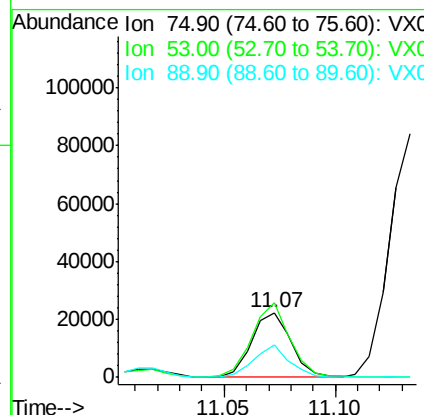
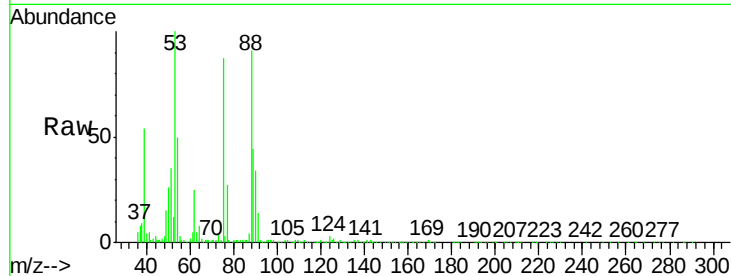
#81
trans-1,4-Dichloro-2-butene
Concen: 17.537 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.0	77.4	116.0
89	46.7	37.3	55.9

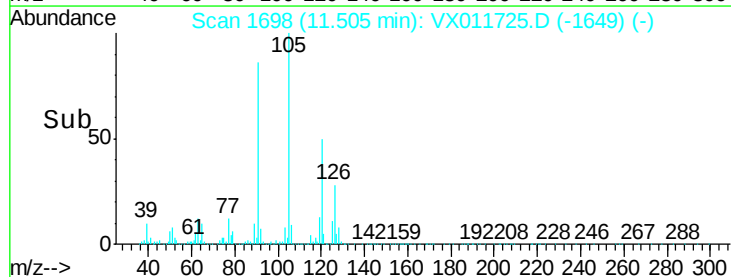
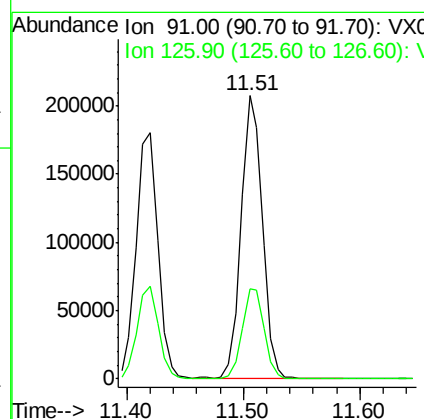
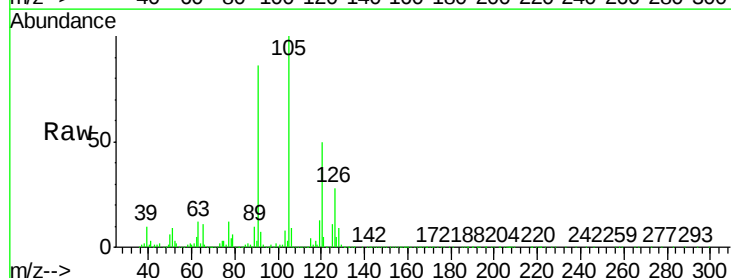
Manual Integrations
APPROVED

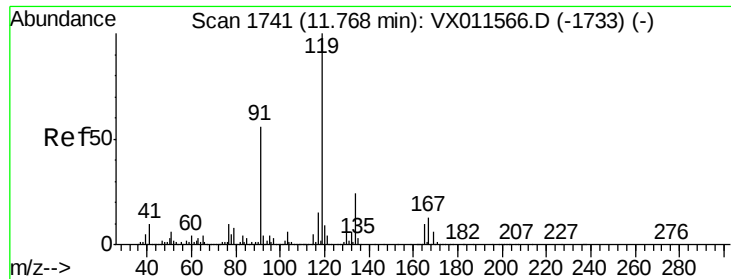
MMDadoda
8/22/2019 9:00:35 AM



#82
4-Chlorotoluene
Concen: 19.759 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.1





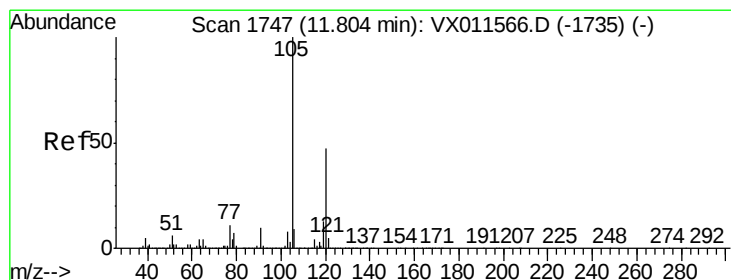
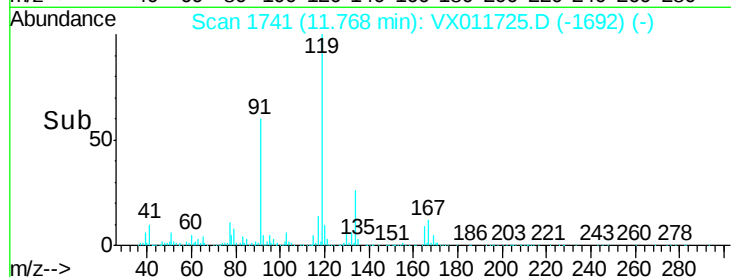
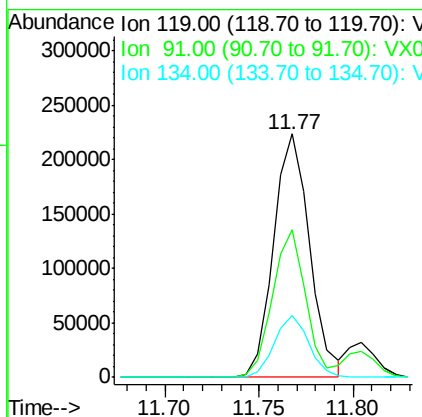
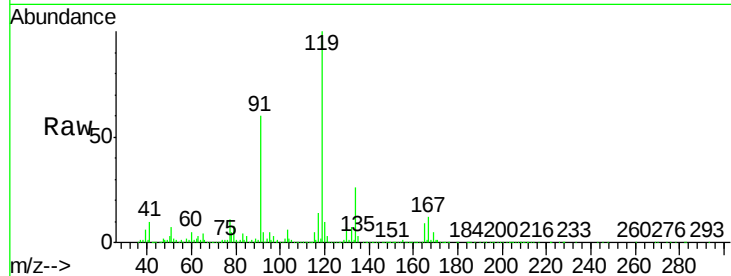
#83
tert-Butylbenzene
Concen: 19.759 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	295292		
91	55.4	27.1	81.3	
134	24.4	11.8	35.3	

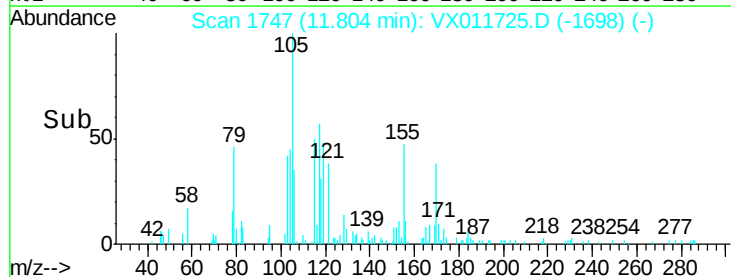
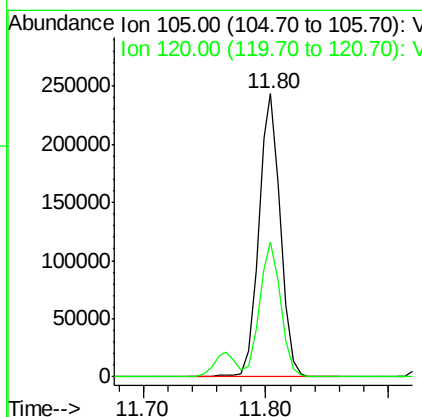
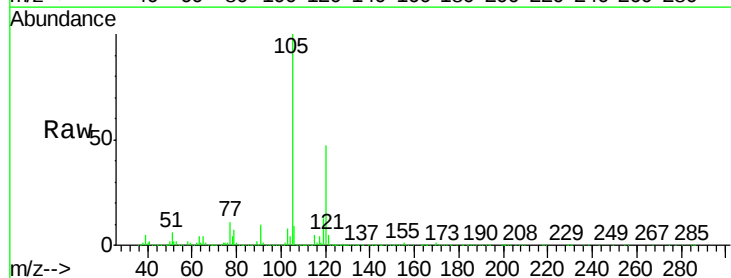
Manual Integrations
APPROVED

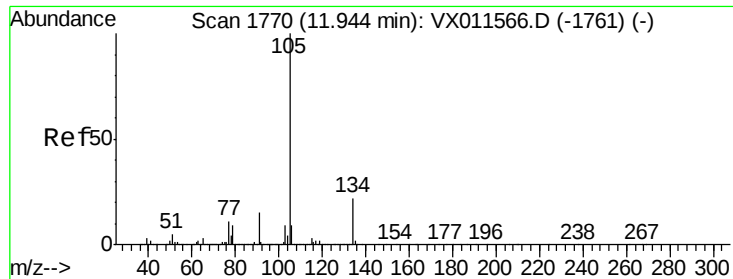
MMDadoda
8/22/2019 9:00:35 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.269 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	298582		
120	46.6	23.3	69.9	





#85

sec-Butylbenzene

Concen: 20.001 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

Tot Ion:105 Resp: 337229

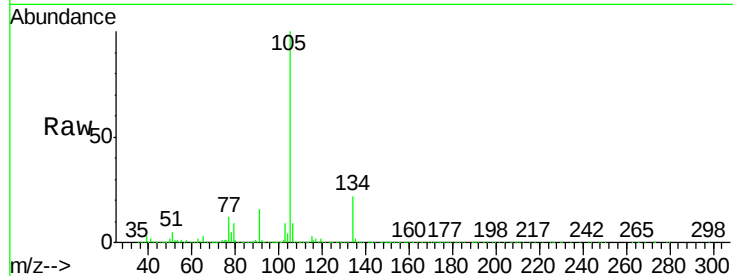
Ion Ratio Lower Upper

105 100

134 21.8 10.8 32.4

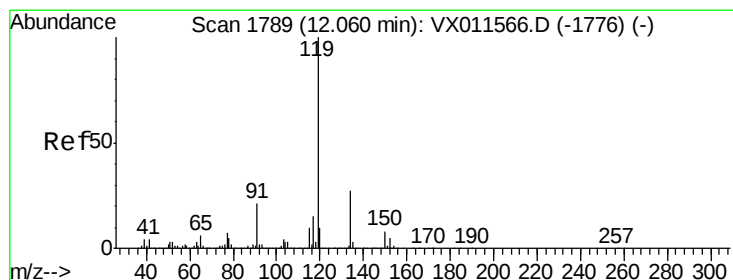
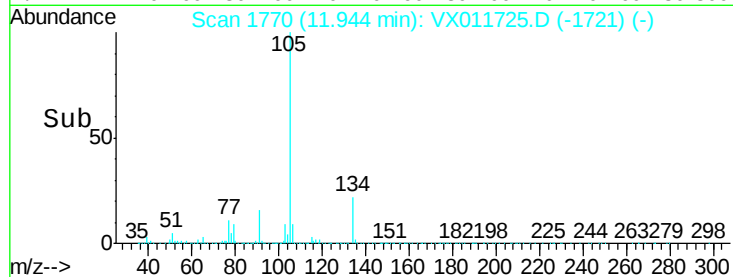
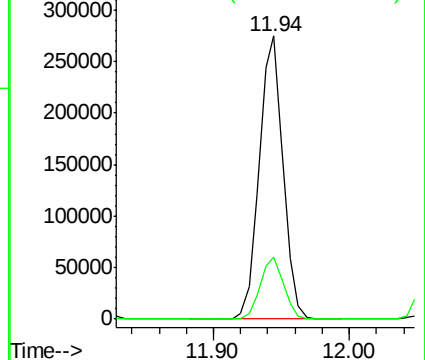
Manual Integrations
APPROVED

MMDadoda
8/22/2019 9:00:35 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.384 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

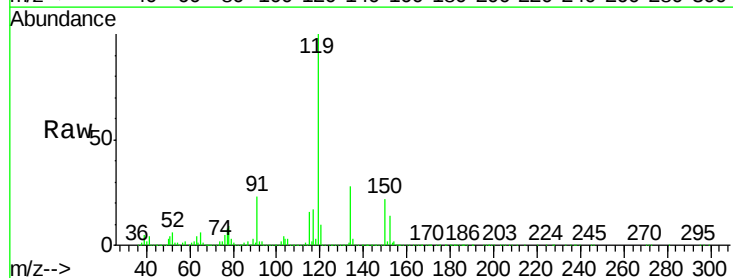
Tgt Ion:119 Resp: 323332

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

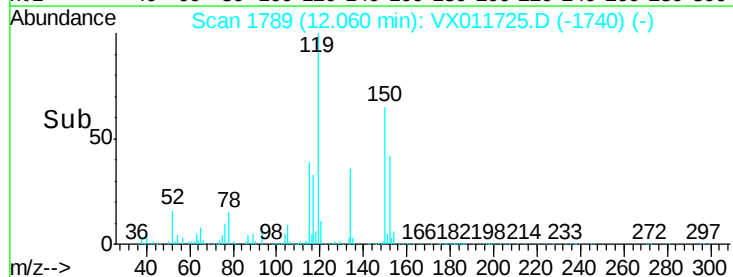
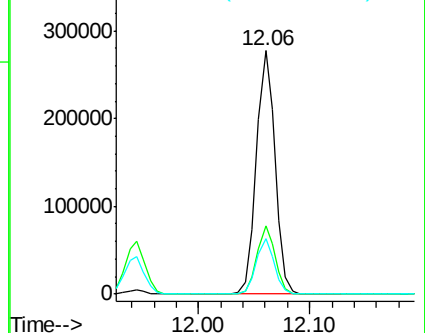
91 22.4 10.9 32.9

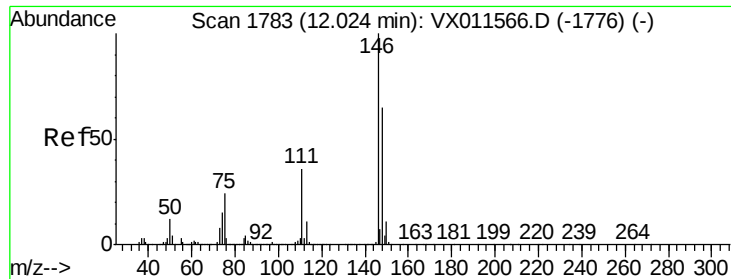


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





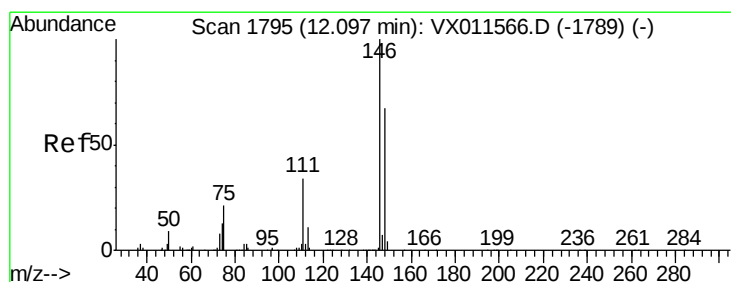
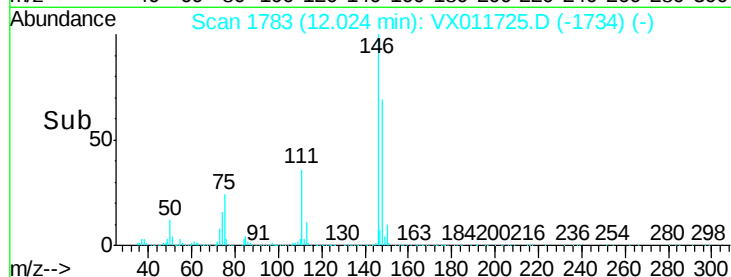
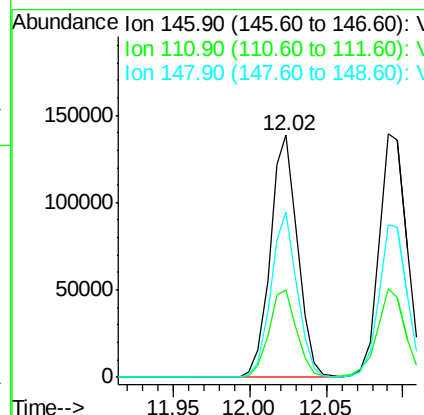
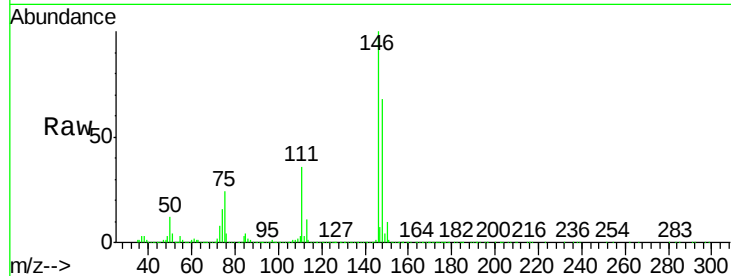
#87
 1,3-Dichlorobenzene
 Concen: 19.300 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.4
148	65.6	32.0	96.0

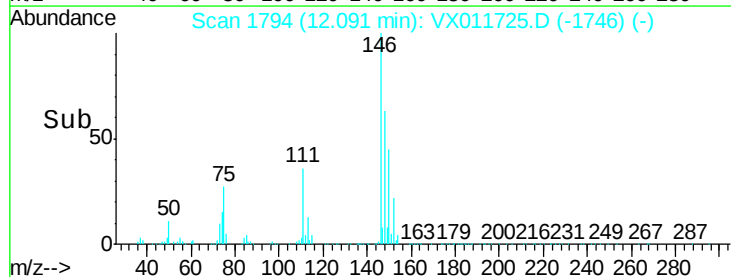
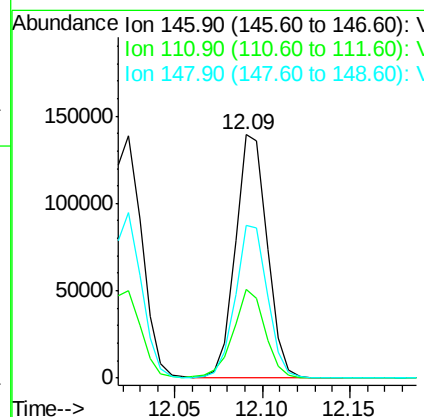
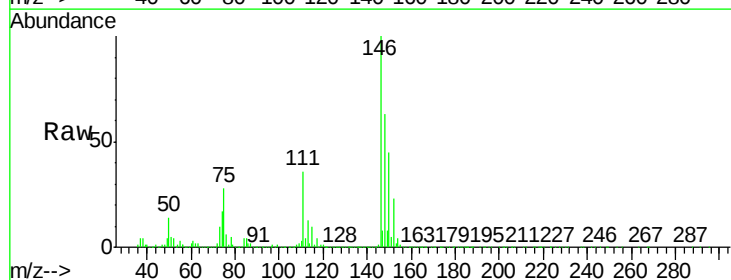
Manual Integrations
 APPROVED

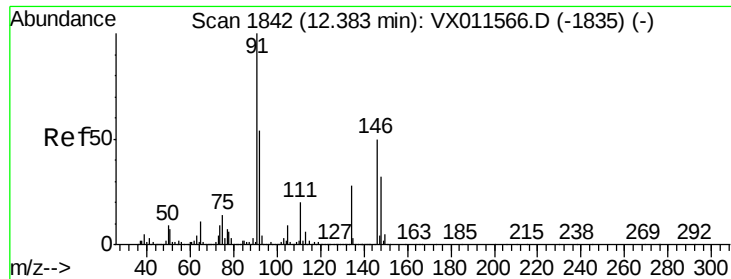
MMDadoda
 8/22/2019 9:00:35 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.366 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.9	53.7
148	63.4	32.5	97.5





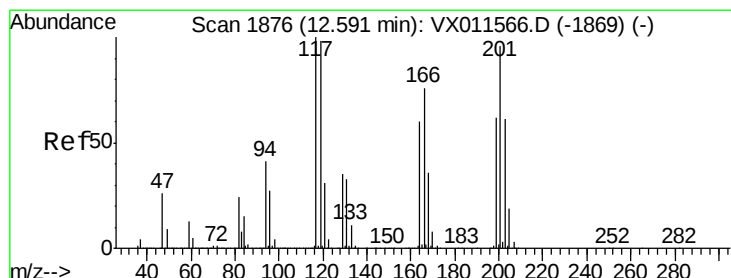
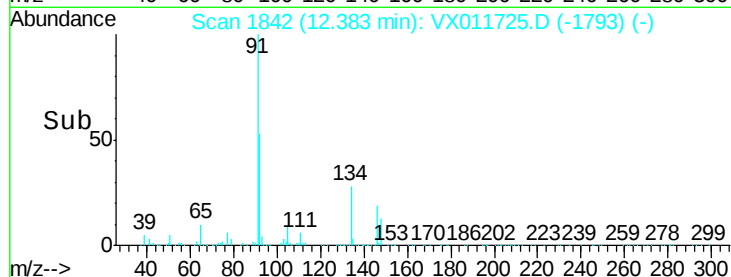
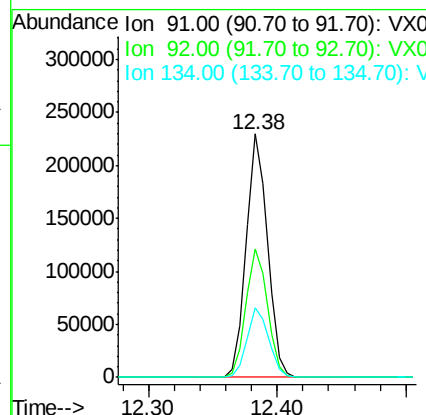
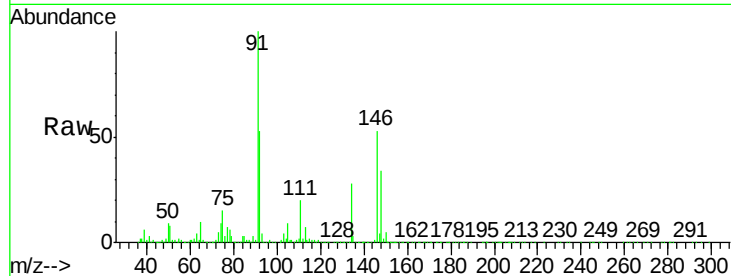
#89
n-Butylbenzene
Concen: 20.100 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	262128		
92	53.6	26.8	80.3	
134	29.0	14.6	44.0	

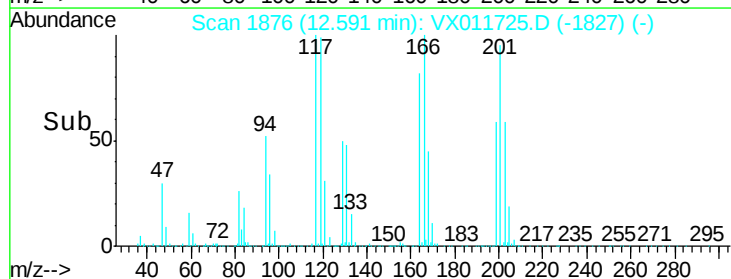
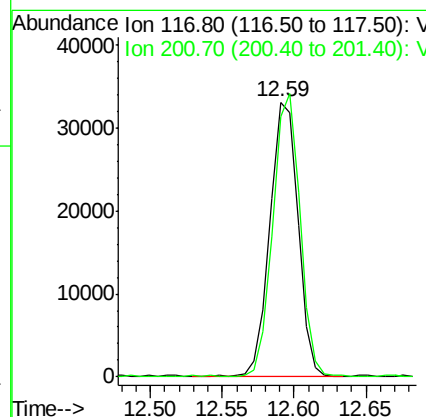
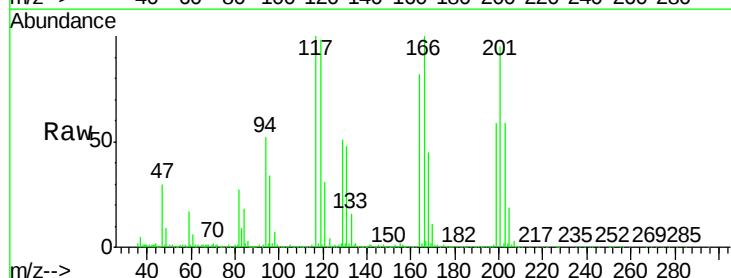
Manual Integrations
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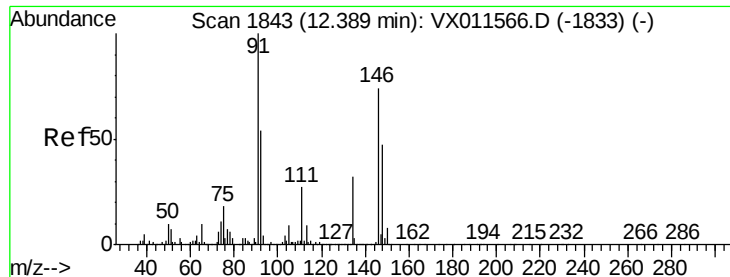
MMDadoda
8/22/2019 9:00:35 AM



#90
Hexachloroethane
Concen: 17.800 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011725.D
Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44586		
201	100.2	51.9	155.7	





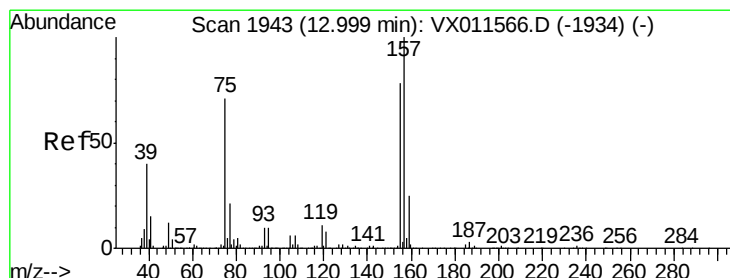
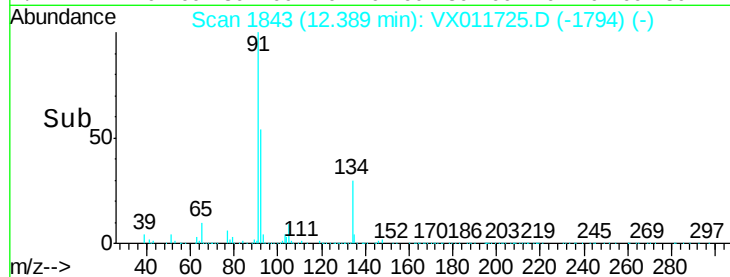
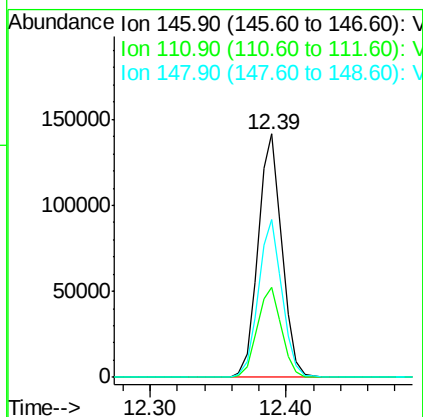
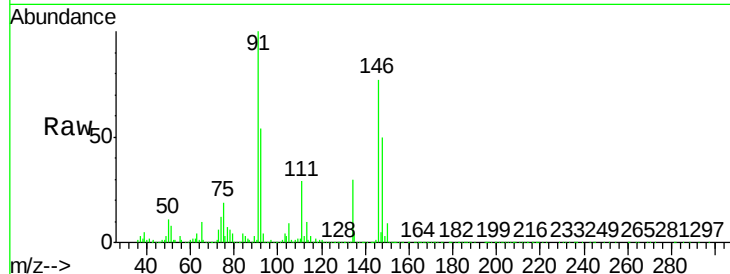
#91
 1,2-Dichlorobenzene
 Concen: 19.476 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.7
148	64.4	31.9	95.9

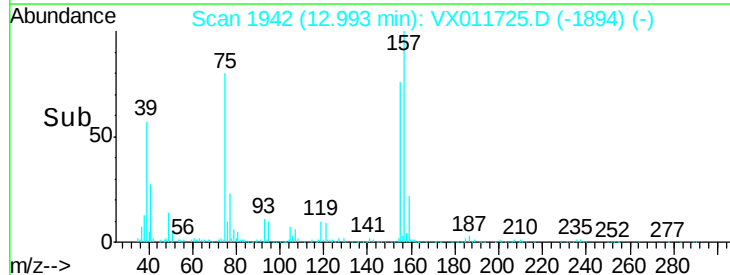
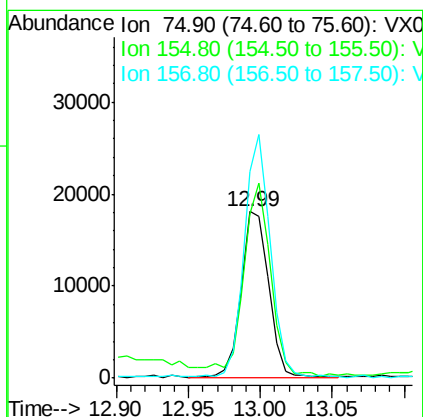
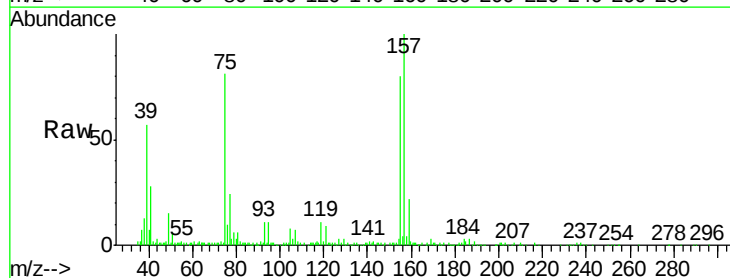
Manual Integrations
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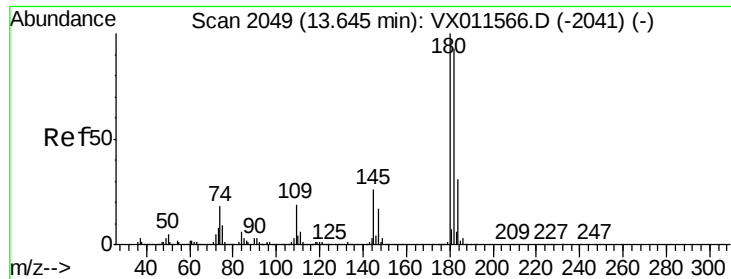
MMDadoda
 8/22/2019 9:00:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.204 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	113.9	53.0	159.0
157	139.1	68.3	205.1





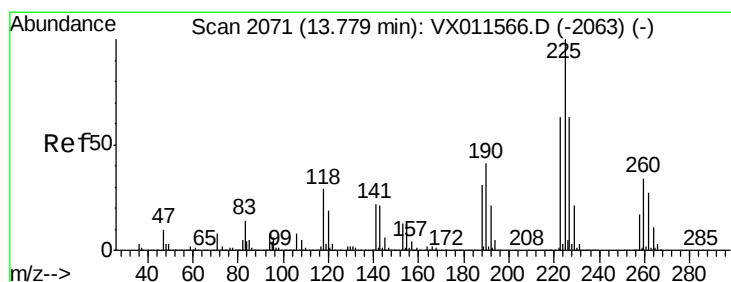
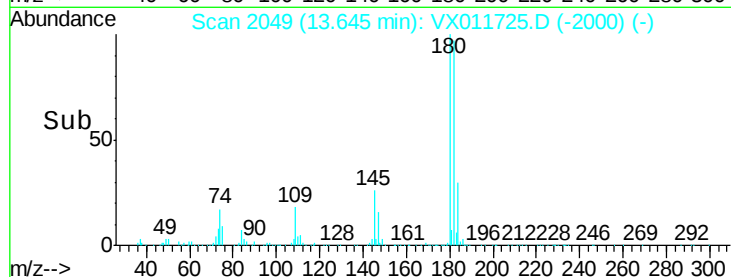
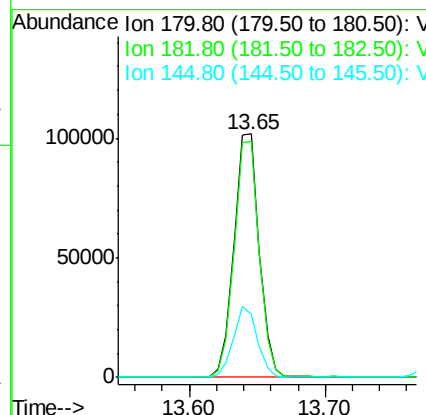
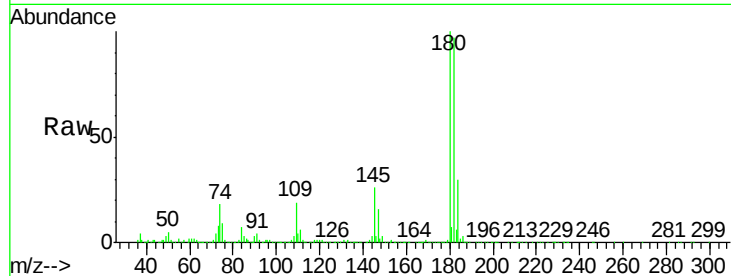
#93
 1,2,4-Trichlorobenzene
 Concen: 19.617 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131063		
182	96.2	47.3	142.0	
145	27.8	13.6	40.8	

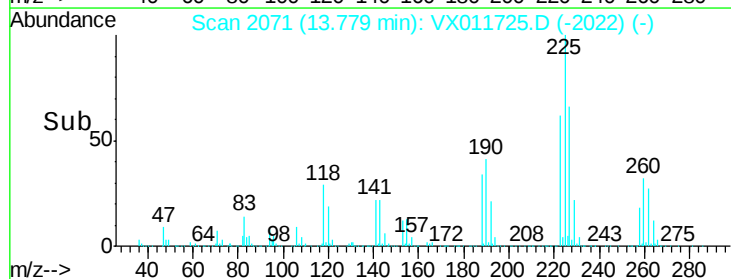
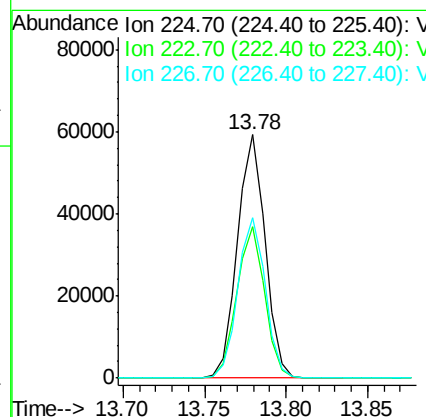
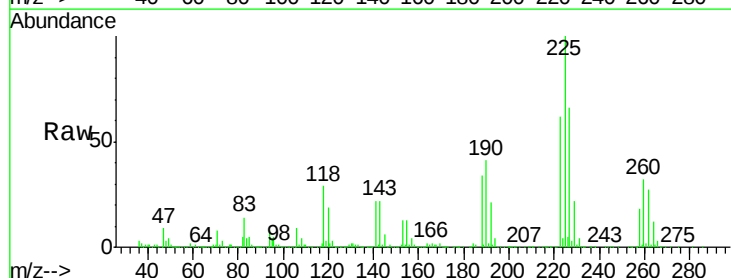
Manual Integrations
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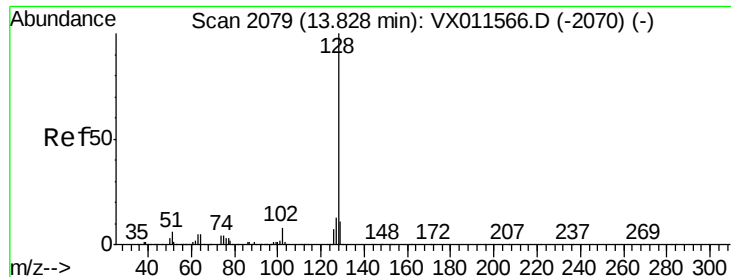
MMDadoda
 8/22/2019 9:00:35 AM



#94
 Hexachlorobutadiene
 Concen: 19.263 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011725.D
 Acq: 21 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70079		
223	62.4	31.4	94.0	
227	65.5	31.2	93.6	





#95

Naphthalene

Concen: 20.593 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Instrument :

MSVOA_X

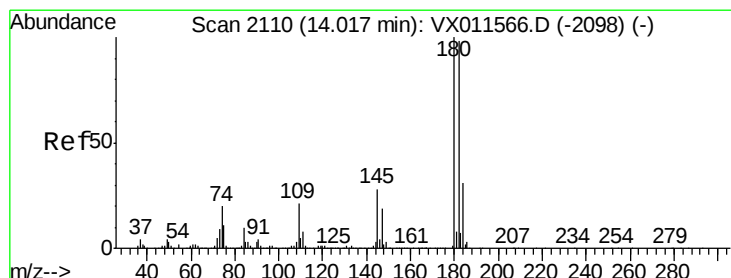
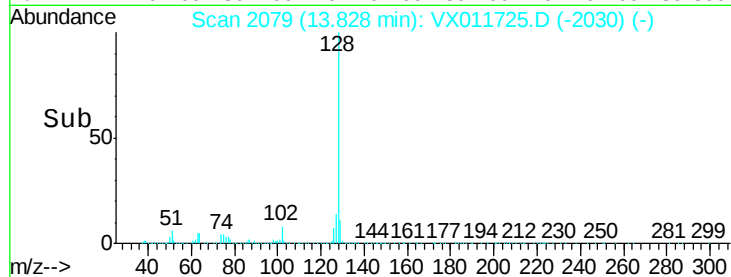
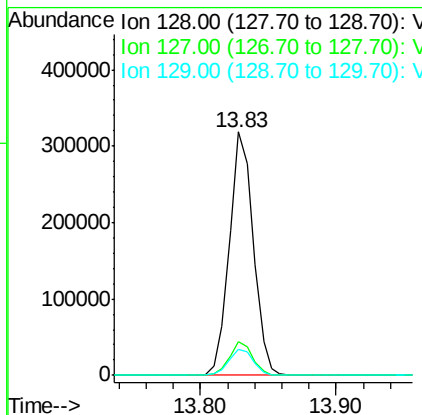
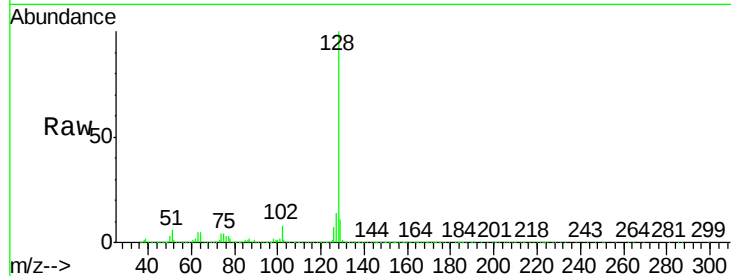
ClientSampleId :

VX0821WBS01

Tot Ion:	128	Resp:	388959
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.626 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011725.D

Acq: 21 Aug 2019 12:23

Tgt Ion:	180	Resp:	132256
Ion Ratio	Lower	Upper	
180	100		
182	97.8	48.0	144.0
145	29.1	14.6	43.8

