

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082919\
 Data File : VX011886.D
 Acq On : 29 Aug 2019 21:42
 Operator : SY/SP
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:39:17 AM

Quant Time: Aug 30 01:46:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:36:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	348982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	482787	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	454064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	269352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	65559	20.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.28%	
35) Dibromofluoromethane	5.48	113	64536	21.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.08%	
50) Toluene-d8	8.71	98	213207	19.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.30%	
62) 4-Bromofluorobenzene	11.13	95	104106	21.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.28%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	46702	21.905	ug/l 99
3) Chloromethane	1.31	50	51621	20.615	ug/l 98
4) Vinyl Chloride	1.40	62	49363	20.771	ug/l 100
5) Bromomethane	1.62	94	32058	20.957	ug/l 100
6) Chloroethane	1.70	64	30036	21.202	ug/l 98
7) Trichlorofluoromethane	1.91	101	84510	21.016	ug/l 98
8) Diethyl Ether	2.18	74	29377	21.968	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	54969	23.301	ug/l 100
10) Methyl Iodide	2.49	142	45522	21.254	ug/l 99
11) Tert butyl alcohol	3.04	59	34354	119.307	ug/l 98
12) 1,1-Dichloroethene	2.35	96	49943	21.394	ug/l 95
13) Acrolein	2.28	56	16907	123.813	ug/l 98
14) Allyl chloride	2.71	41	93645	22.055	ug/l 99
15) Acrylonitrile	3.13	53	81168	112.686	ug/l 100
16) Acetone	2.43	43	74831	59.957	ug/l 98
17) Carbon Disulfide	2.56	76	137581	19.680	ug/l 99
18) Methyl Acetate	2.76	43	41444	15.692	ug/l 100
19) Methyl tert-butyl Ether	3.18	73	165993	21.793	ug/l 99
20) Methylene Chloride	2.84	84	73163	23.281	ug/l 99
21) trans-1,2-Dichloroethene	3.15	96	58509	20.252	ug/l 95
22) Diisopropyl ether	3.84	45	194404	21.131	ug/l 99
23) Vinyl Acetate	3.80	43	630200	156.896	ug/l 100
24) 1,1-Dichloroethane	3.68	63	105479	20.269	ug/l 100
25) 2-Butanone	4.66	43	112502	111.239	ug/l 95
26) 2,2-Dichloropropane	4.56	77	89423	24.523	ug/l 100
27) cis-1,2-Dichloroethene	4.58	96	69282	20.299	ug/l 98
28) Bromochloromethane	4.99	49	49784	21.509	ug/l 98
29) Tetrahydrofuran	5.12	42	68553	108.857	ug/l 98
30) Chloroform	5.20	83	113781	20.283	ug/l 98
31) Cyclohexane	5.57	56	87847	20.724	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	100301	21.190	ug/l 99
36) 1,1-Dichloropropene	5.79	75	78449	20.601	ug/l 99
37) Ethyl Acetate	4.82	43	47454	26.443	ug/l 97
38) Carbon Tetrachloride	5.77	117	91899	24.764	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	96324	21.156	ug/l	100
40) Benzene	6.13	78	233516	20.519	ug/l	99
41) Methacrylonitrile	5.03	41	28373	23.215	ug/l	98
42) 1,2-Dichloroethane	6.18	62	79544	20.947	ug/l	98
43) Isopropyl Acetate	6.43	43	97438	27.247	ug/l	99
44) Trichloroethene	7.20	130	71877	18.291	ug/l	95
45) 1,2-Dichloropropane	7.51	63	62550	21.589	ug/l	99
46) Dibromomethane	7.65	93	36340	20.961	ug/l	98
47) Bromodichloromethane	7.89	83	90425	22.507	ug/l	99
48) Methyl methacrylate	7.76	41	47126	26.788	ug/l	99
49) 1,4-Dioxane	7.73	88	13613	535.832	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	250156	131.430	ug/l	99
52) Toluene	8.78	92	153303	20.551	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	93888	29.932	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	105329	26.220	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	52638	22.350	ug/l	98
56) Ethyl methacrylate	9.17	69	75795	31.000	ug/l	99
57) 1,3-Dichloropropane	9.37	76	89570	23.558	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	179295	228.135	ug/l	99
59) 2-Hexanone	9.49	43	179216	143.294	ug/l	99
60) Dibromochloromethane	9.58	129	71709	23.654	ug/l	100
61) 1,2-Dibromoethane	9.66	107	53756	24.330	ug/l	99
64) Tetrachloroethene	9.33	164	75163	16.609	ug/l	97
65) Chlorobenzene	10.13	112	181698	21.151	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	72713	23.541	ug/l	99
67) Ethyl Benzene	10.25	91	309151	21.048	ug/l	100
68) m/p-Xylenes	10.35	106	239390	42.193	ug/l	99
69) o-Xylene	10.69	106	115400	21.201	ug/l	97
70) Styrene	10.71	104	207014	23.207	ug/l	99
71) Bromoform	10.85	173	51273	24.457	ug/l #	99
73) Isopropylbenzene	11.01	105	315976	20.013	ug/l	99
74) N-amyl acetate	10.89	43	96287	24.814	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	66372	25.388	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	55510m	26.808	ug/l	
77) Bromobenzene	11.25	156	90729	20.453	ug/l	100
78) n-propylbenzene	11.35	91	359833	20.225	ug/l	100
79) 2-Chlorotoluene	11.41	91	214463	19.968	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	273274	20.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21431	37.615	ug/l	99
82) 4-Chlorotoluene	11.51	91	260194	20.337	ug/l	100
83) tert-Butylbenzene	11.77	119	277002	21.457	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	279214	21.066	ug/l	100
85) sec-Butylbenzene	11.94	105	321501	20.706	ug/l	100
86) p-Isopropyltoluene	12.06	119	312846	21.601	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	168599	20.414	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	171961	20.880	ug/l	99
89) n-Butylbenzene	12.38	91	276667	21.714	ug/l	99
90) Hexachloroethane	12.59	117	60096	30.184	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	158823	21.166	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13122	32.024	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	132022	21.923	ug/l	99
94) Hexachlorobutadiene	13.78	225	87871	22.148	ug/l	99
95) Naphthalene	13.83	128	230900	25.884	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	120228	22.836	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 348982

Ion Ratio Lower Upper

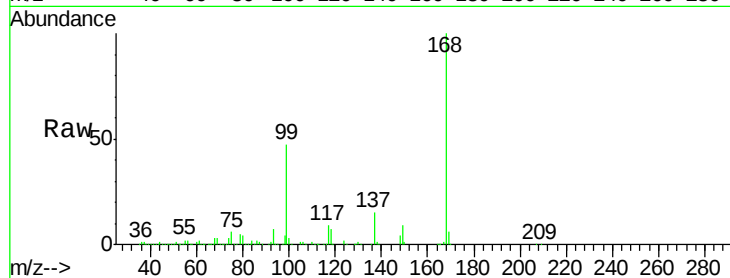
168 100

99 46.8 38.4 57.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

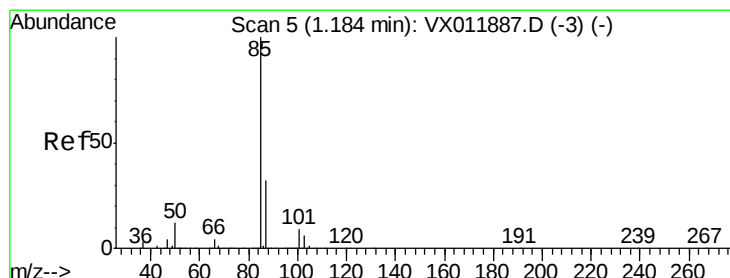
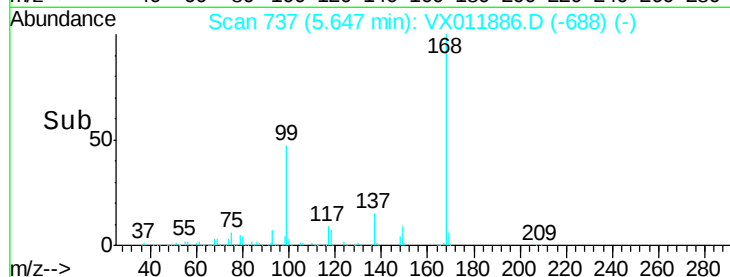
5.65

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.905 ug/l

RT: 1.18 min Scan# 5

Delta R.T. 0.00 min

Lab File: VX011886.D

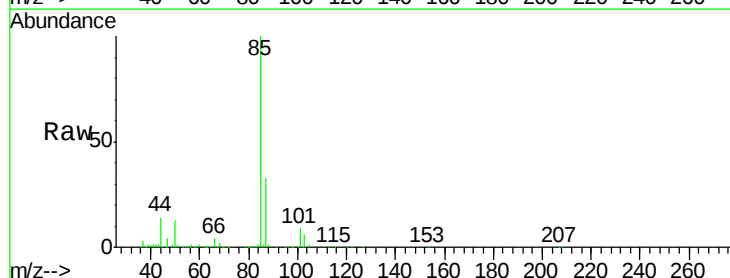
Acq: 29 Aug 2019 21:42

Tgt Ion: 85 Resp: 46702

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

50000

40000

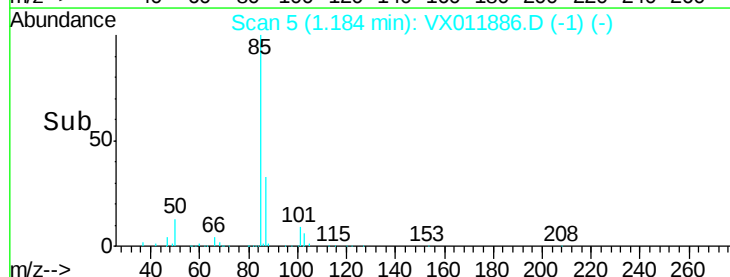
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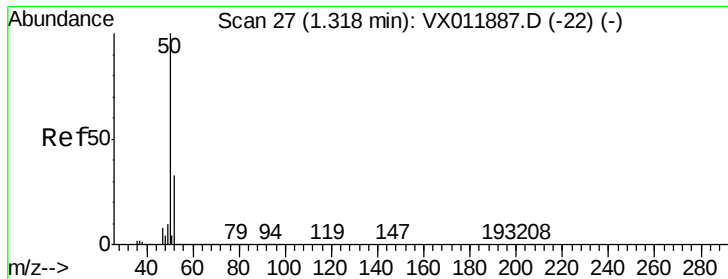
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.615 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.01 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 51621

Ion Ratio Lower Upper

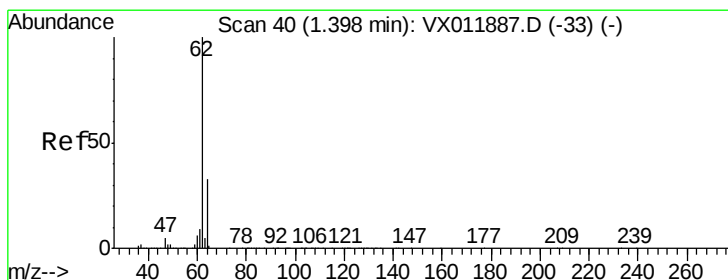
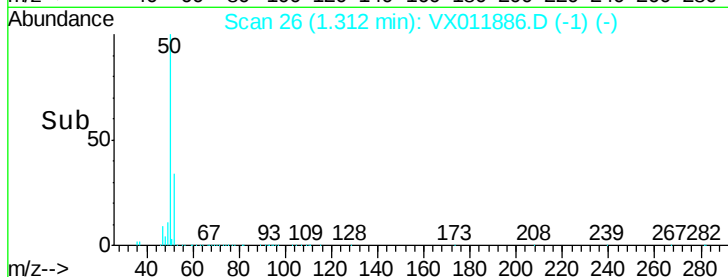
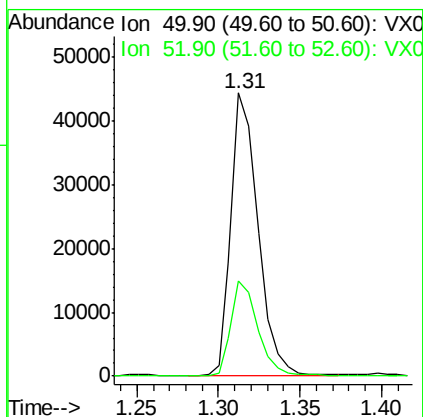
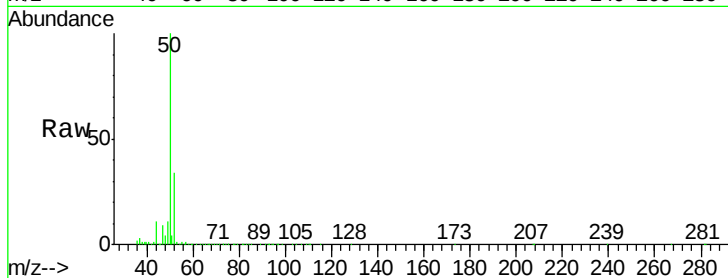
50 100

52 33.7 26.0 39.0

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#4

Vinyl Chloride

Concen: 20.771 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011886.D

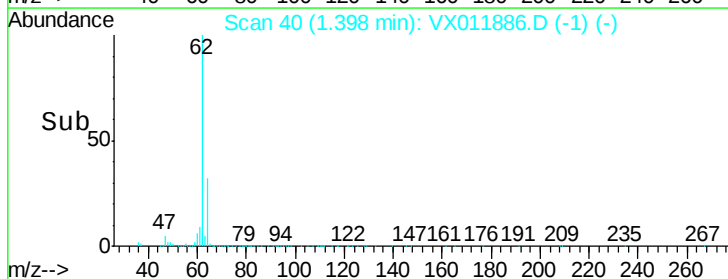
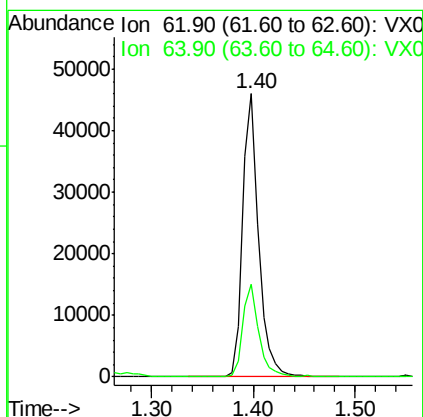
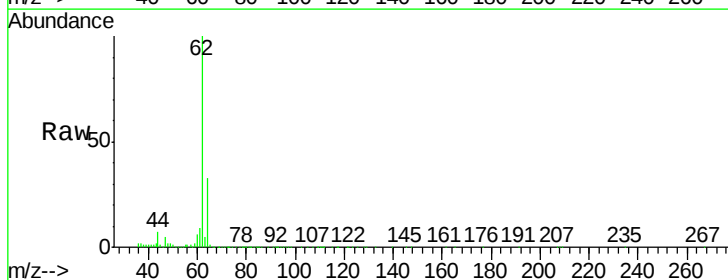
Acq: 29 Aug 2019 21:42

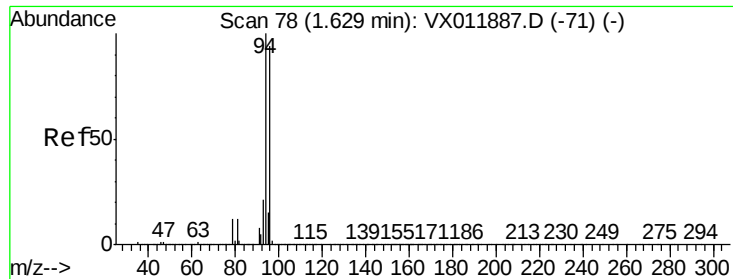
Tgt Ion: 62 Resp: 49363

Ion Ratio Lower Upper

62 100

64 32.4 26.0 39.0





#5

Bromomethane

Concen: 20.957 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 32058

Ion Ratio Lower Upper

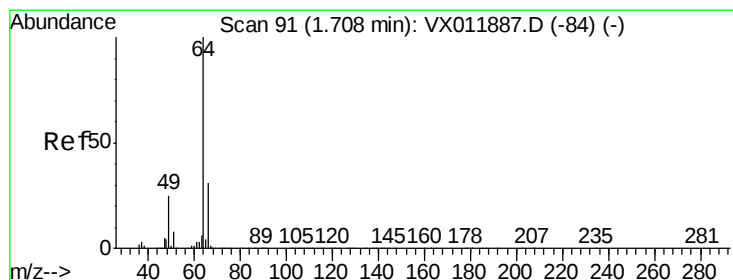
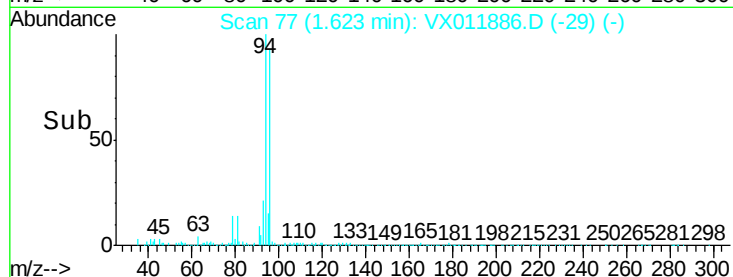
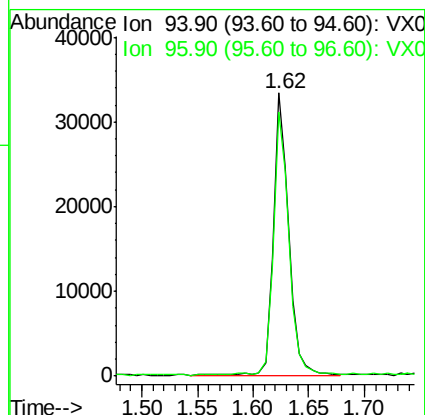
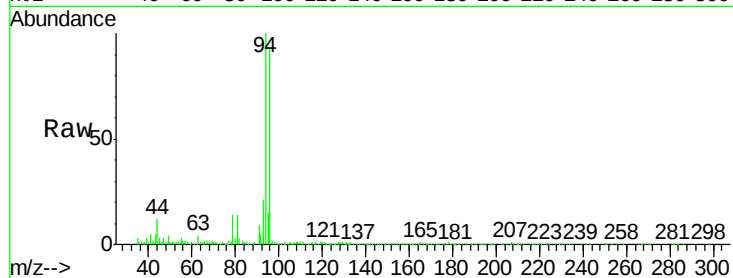
94 100

96 93.4 75.0 112.6

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#6

Chloroethane

Concen: 21.202 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011886.D

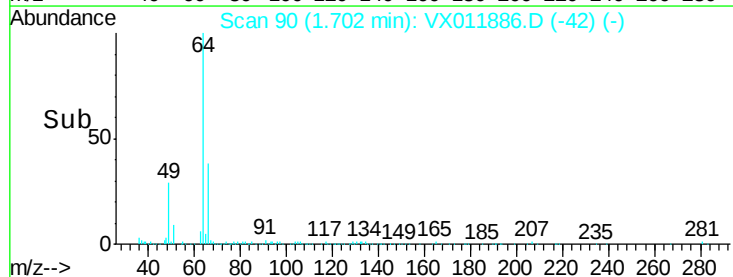
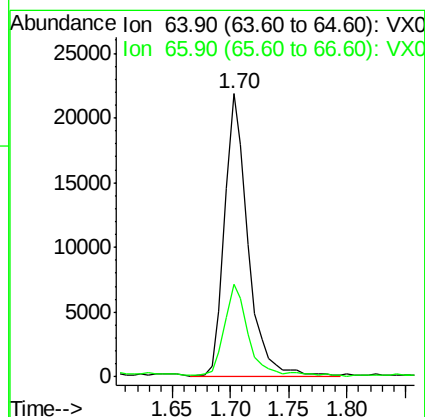
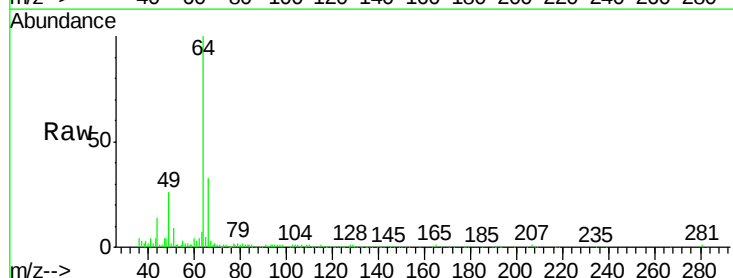
Acq: 29 Aug 2019 21:42

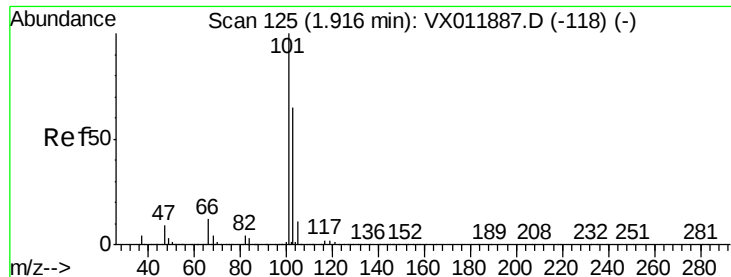
Tgt Ion: 64 Resp: 30036

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.4





#7

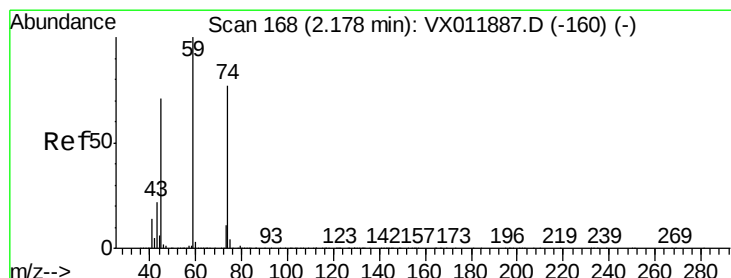
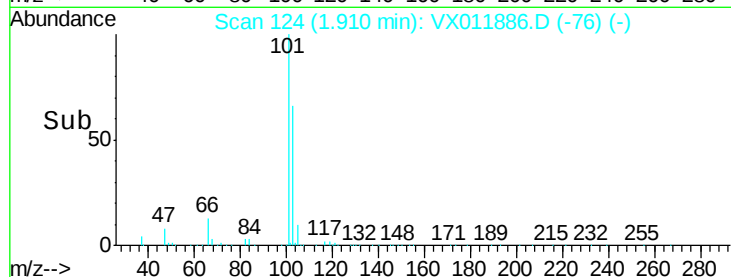
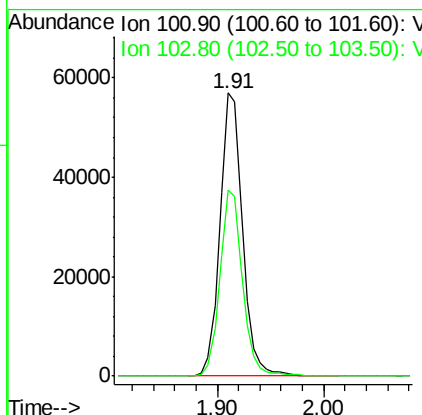
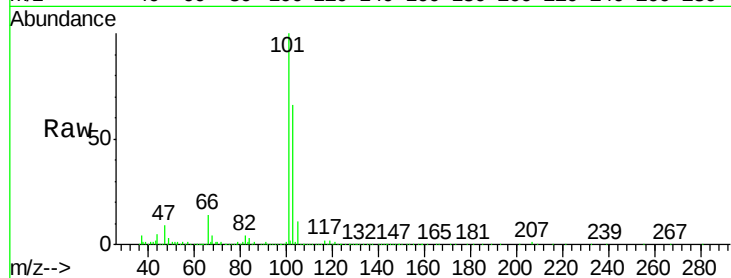
Trichlorofluoromethane
Concen: 21.016 ug/l
RT: 1.91 min Scan# 124
Delta R.T. -0.01 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.6	77.4

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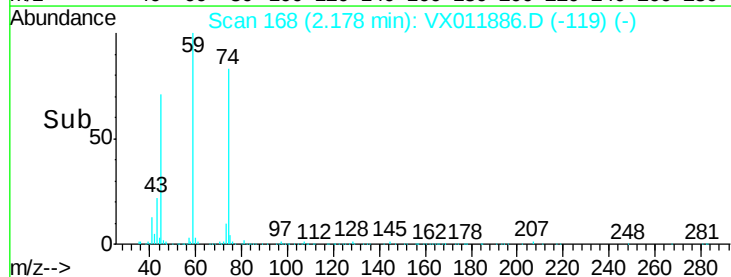
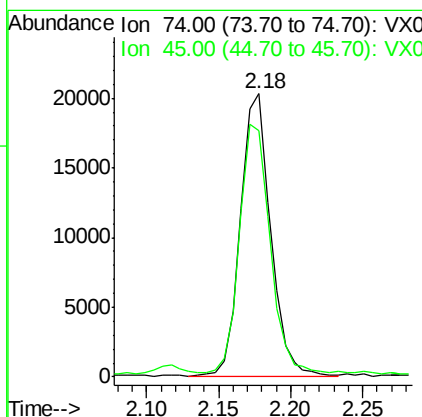
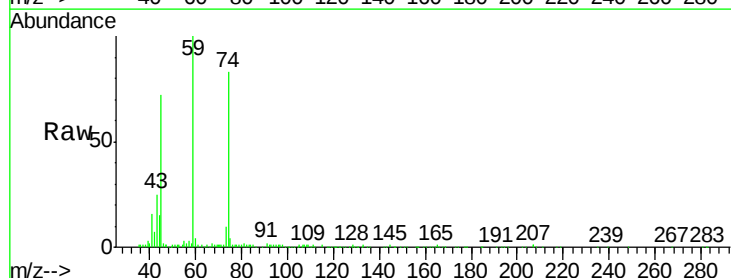
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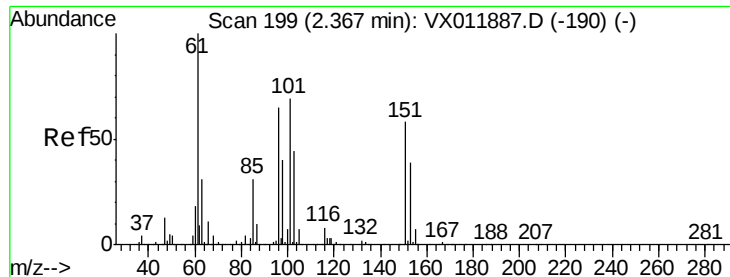


#8

Diethyl Ether
Concen: 21.968 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.1	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.301 ug/l

RT: 2.37 min Scan# 199

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

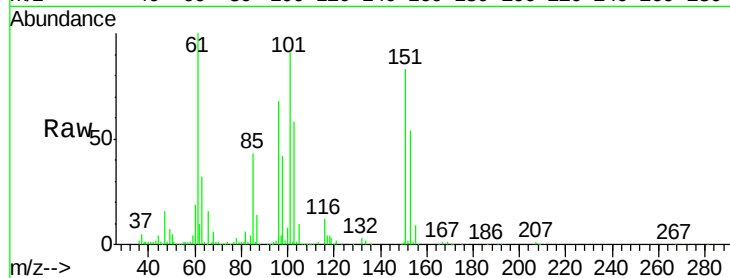
ClientSampleId :

VSTDIC020

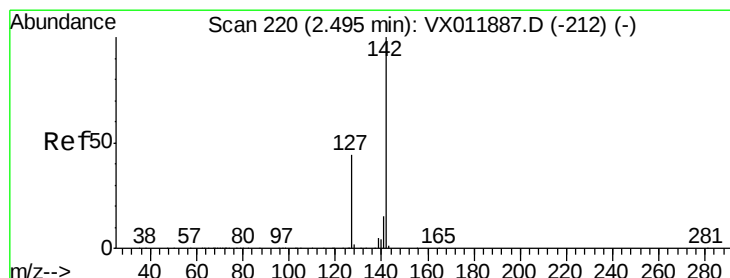
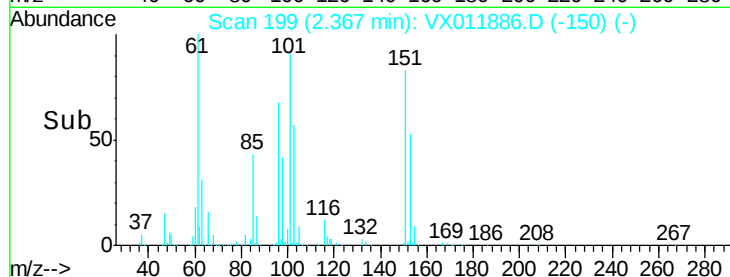
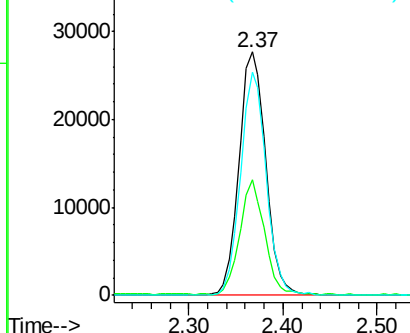
Tot Ion:	101	Resp:	54969
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.9	52.3
151	88.0	70.9	106.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.254 ug/l

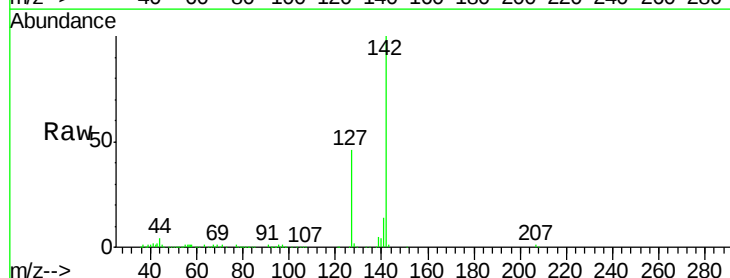
RT: 2.49 min Scan# 220

Delta R.T. 0.00 min

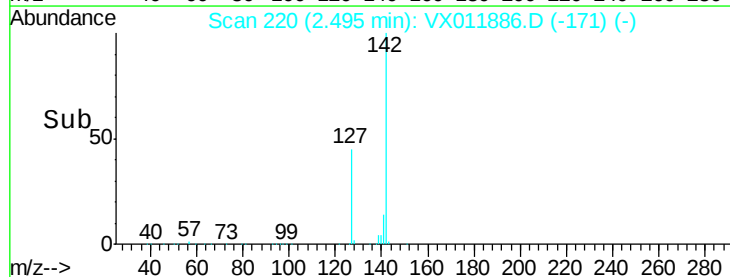
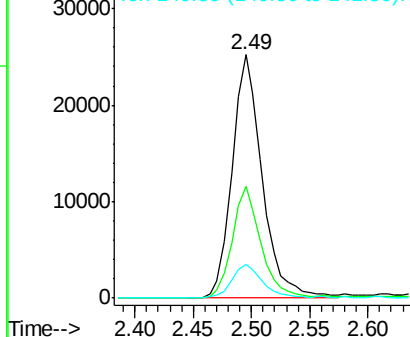
Lab File: VX011886.D

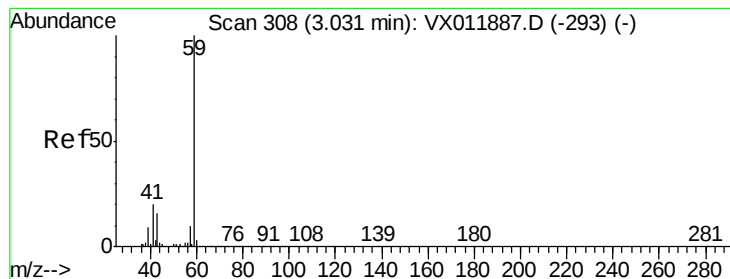
Acq: 29 Aug 2019 21:42

Tgt Ion:	142	Resp:	45522
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.7	53.5
141	14.8	11.8	17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

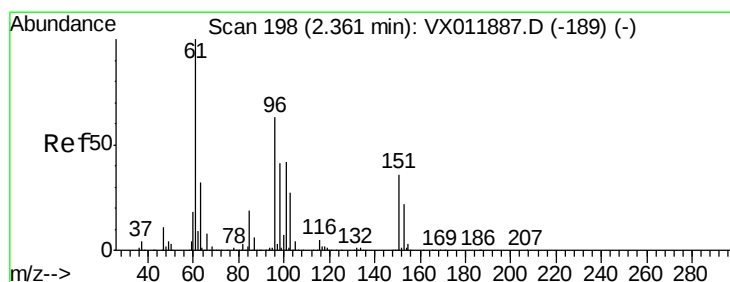
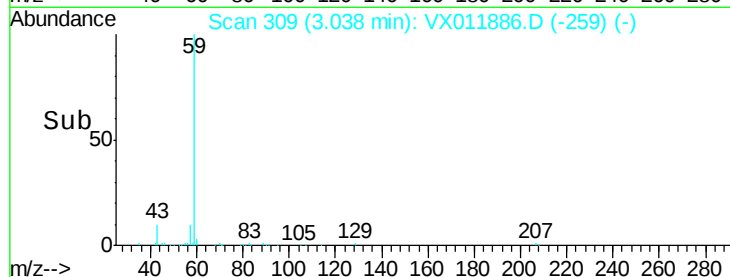
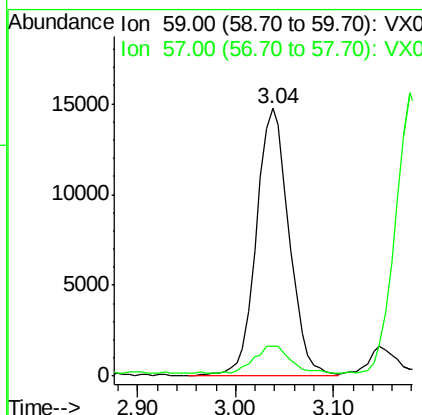
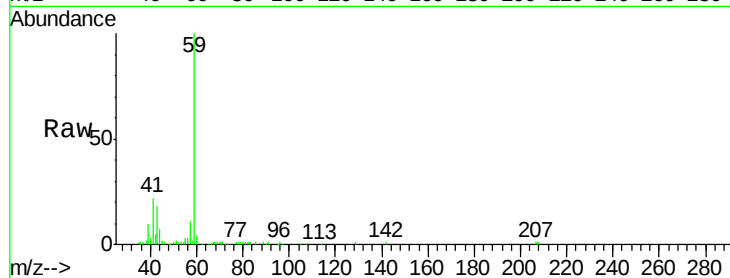
Tert butyl alcohol
Concen: 119.307 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.01 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.6	12.8

Manual Integrations
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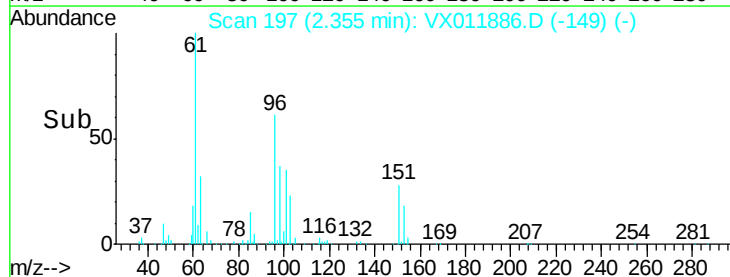
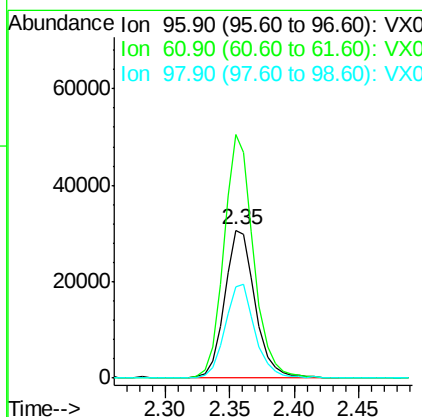
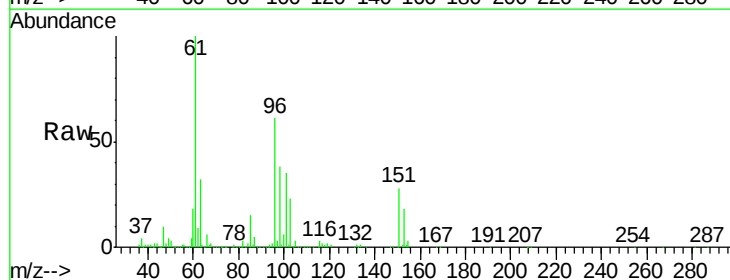
MMDadoda
9/3/2019 2:39:17 AM

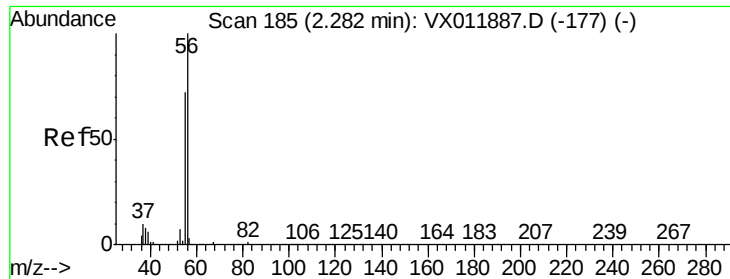


#12

1,1-Dichloroethene
Concen: 21.394 ug/l
RT: 2.35 min Scan# 197
Delta R.T. -0.01 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.0	126.6	190.0
98	61.6	51.6	77.4





#13

Acrolein

Concen: 123.813 ug/l

RT: 2.28 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 16907

Ion Ratio Lower Upper

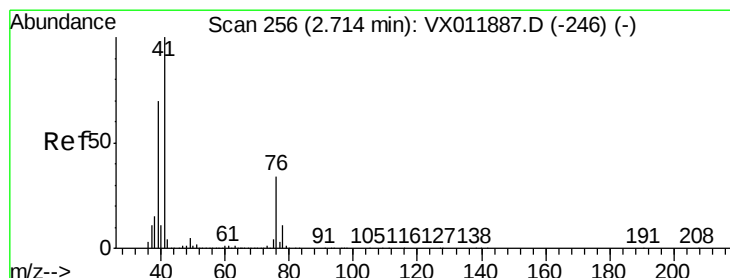
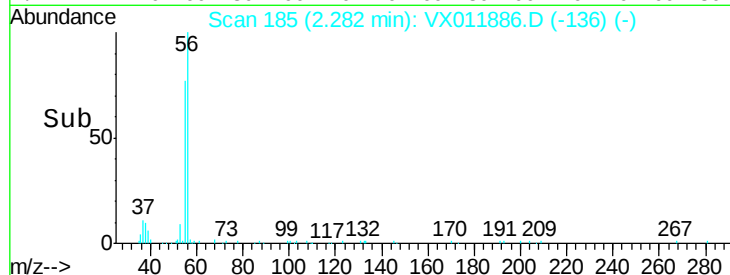
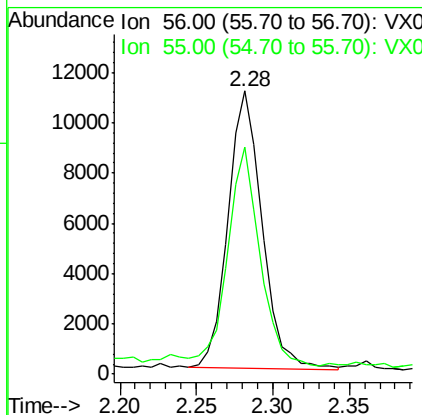
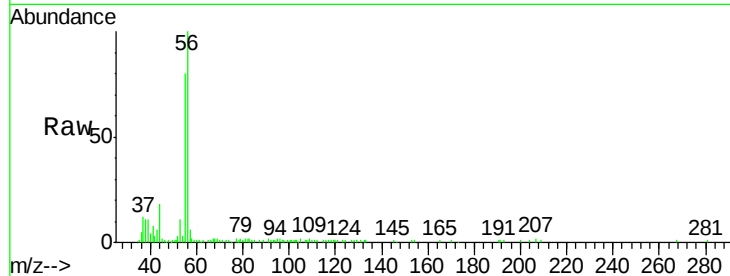
56 100

55 74.9 58.6 88.0

Manual Integrations
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#14

Allyl chloride

Concen: 22.055 ug/l

RT: 2.71 min Scan# 256

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

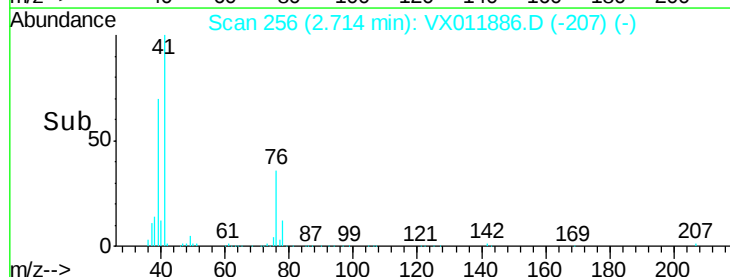
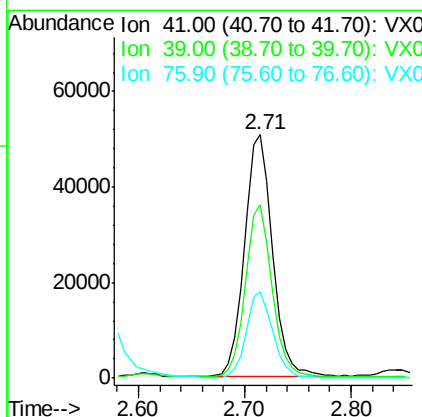
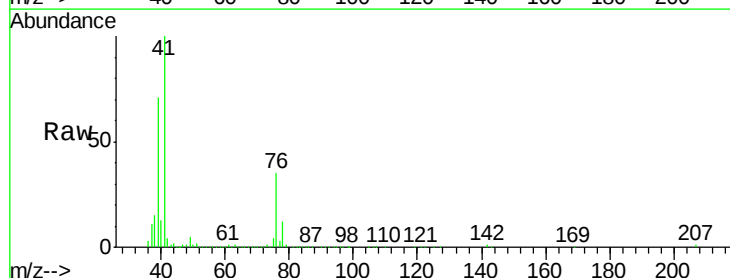
Tgt Ion: 41 Resp: 93645

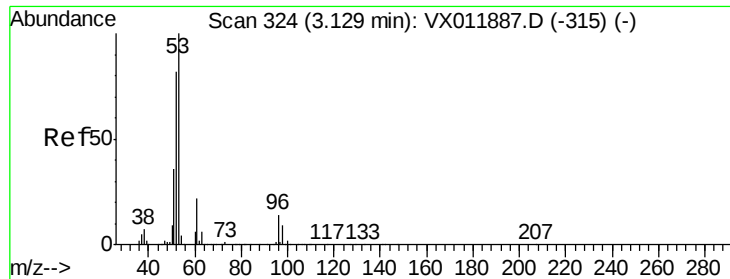
Ion Ratio Lower Upper

41 100

39 67.7 55.0 82.6

76 33.7 27.0 40.4





#15

Acrylonitrile

Concen: 112.686 ug/l

RT: 3.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

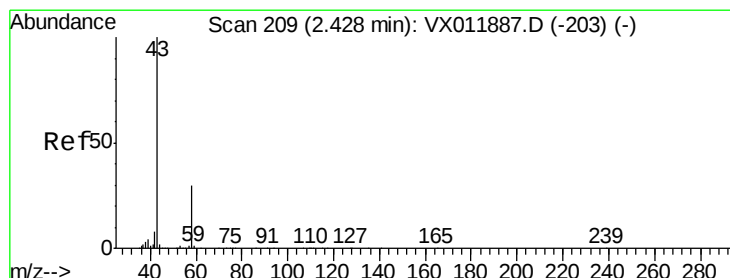
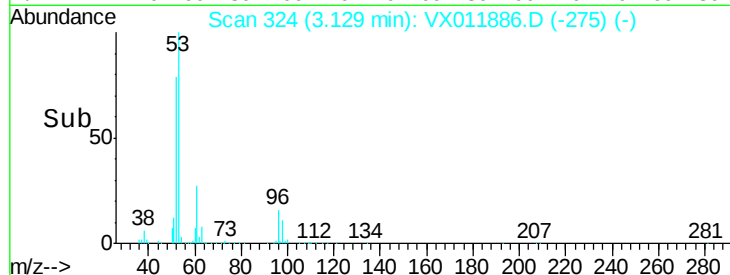
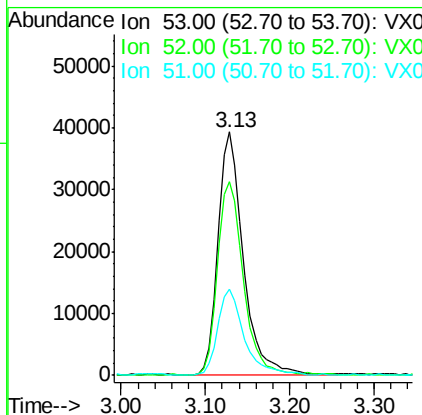
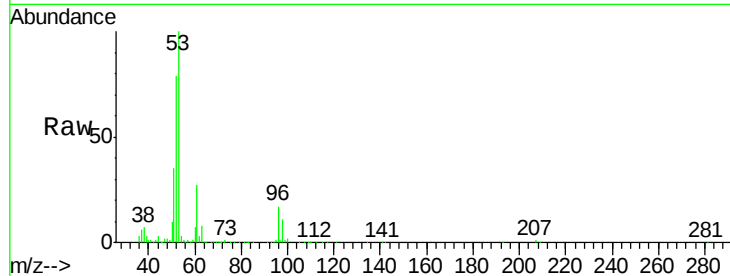
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	81168
Ion Ratio	Lower	Upper	
53	100		
52	81.1	65.3	97.9
51	36.6	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 59.957 ug/l

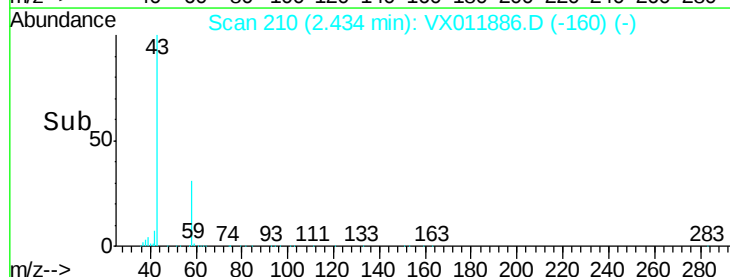
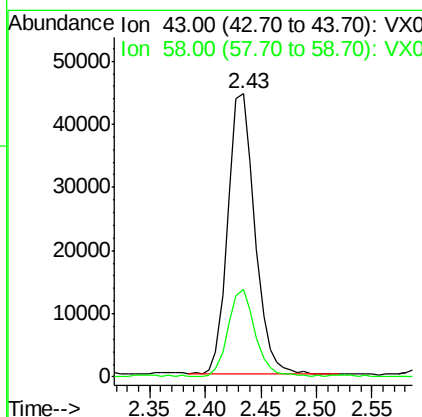
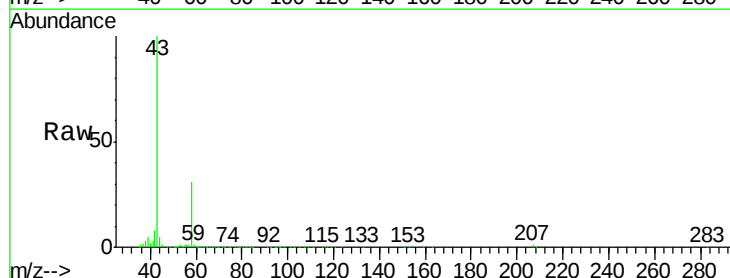
RT: 2.43 min Scan# 210

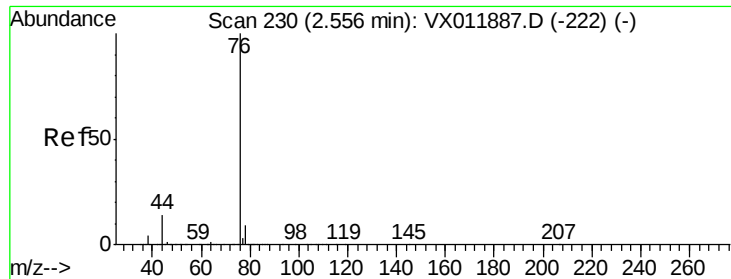
Delta R.T. 0.01 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Tgt Ion:	43	Resp:	74831
Ion Ratio	Lower	Upper	
43	100		
58	31.1	23.8	35.8





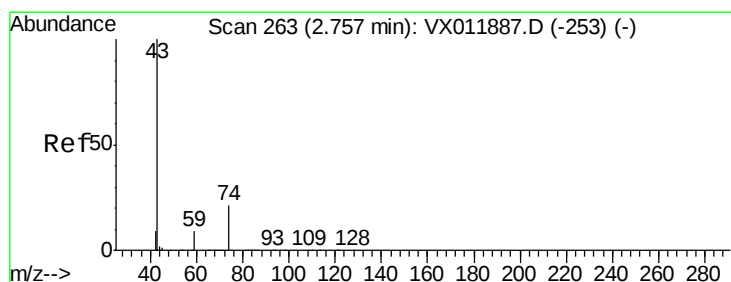
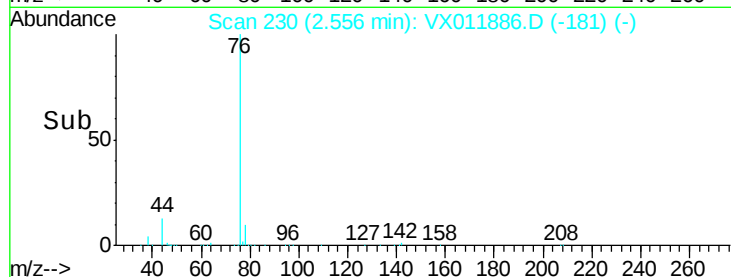
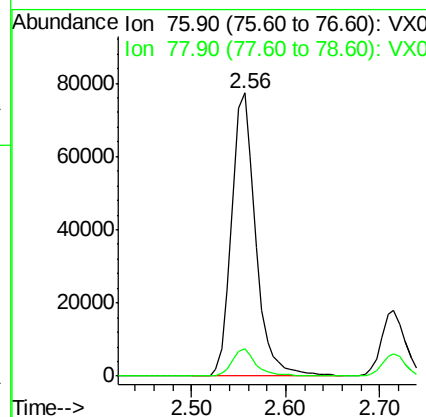
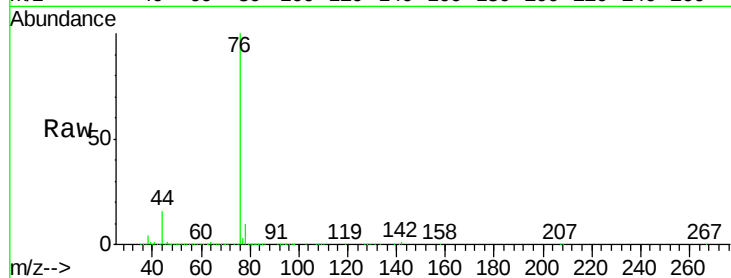
#17
Carbon Disulfide
Concen: 19.680 ug/l
RT: 2.56 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9

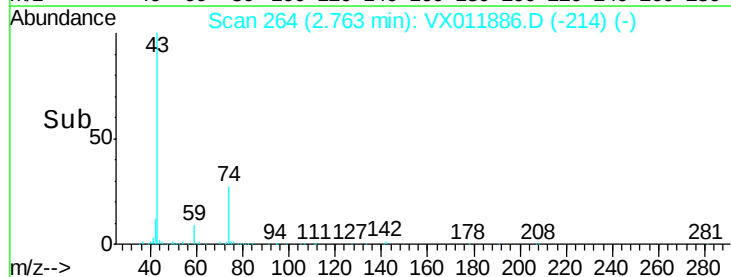
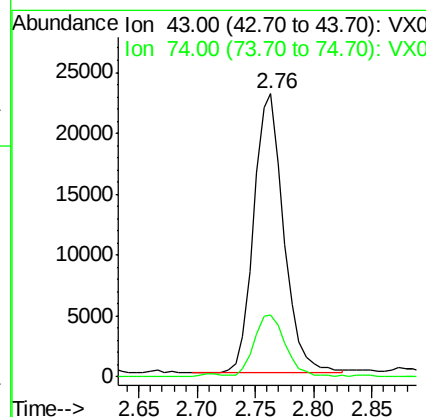
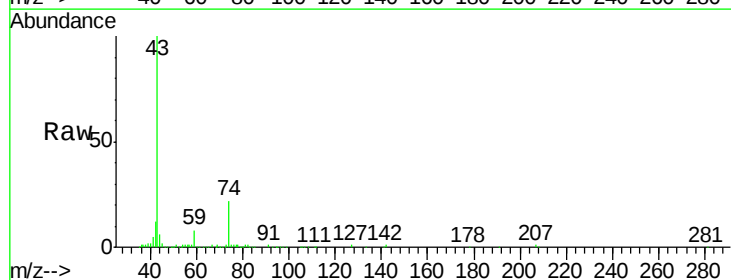
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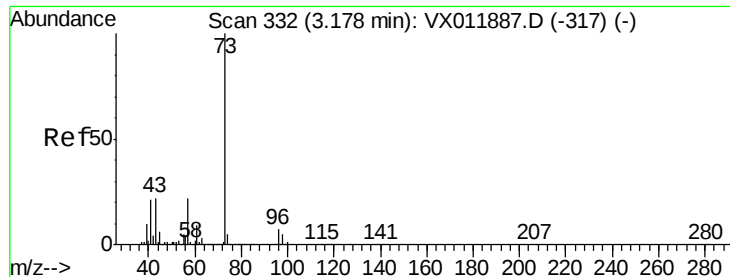
MMDadoda
9/3/2019 2:39:17 AM



#18
Methyl Acetate
Concen: 15.692 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.01 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.4	27.6





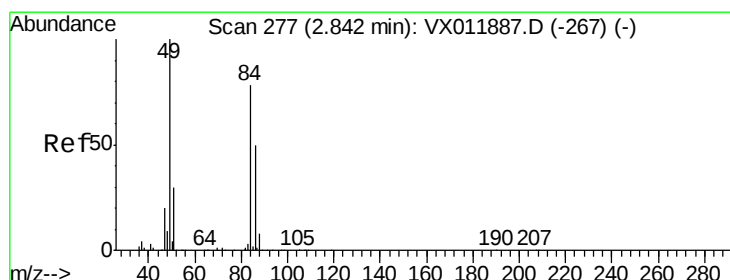
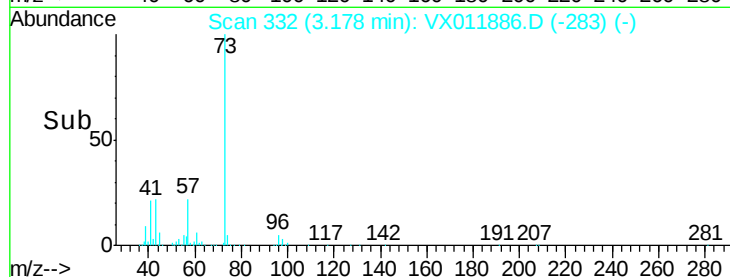
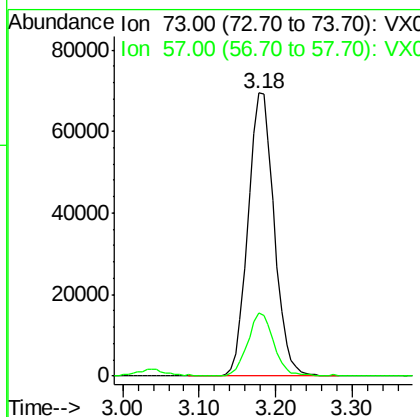
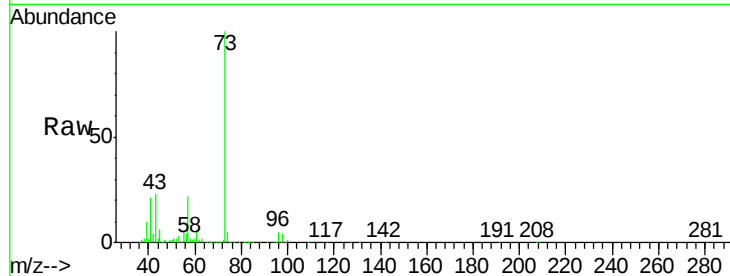
#19
Methvl tert-butvl Ether
Concen: 21.793 ug/l
RT: 3.18 min Scan# 332
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.0

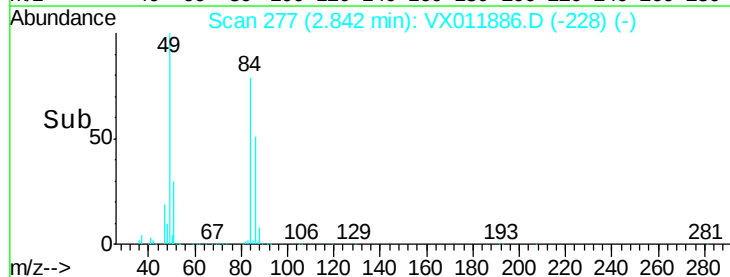
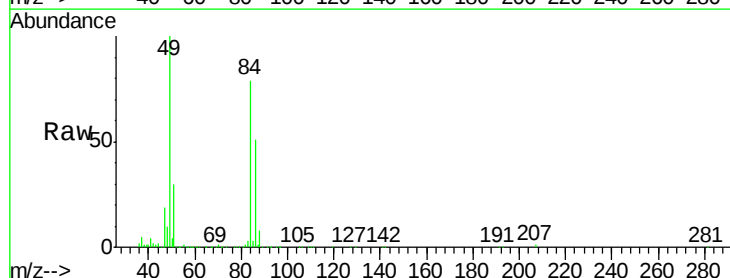
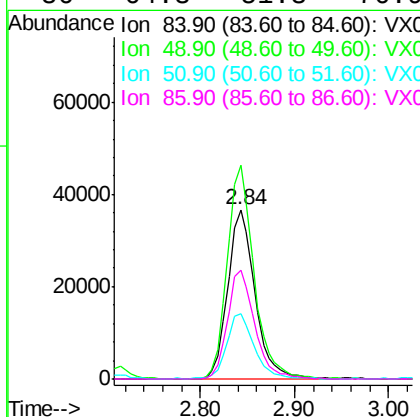
Manual Integrations
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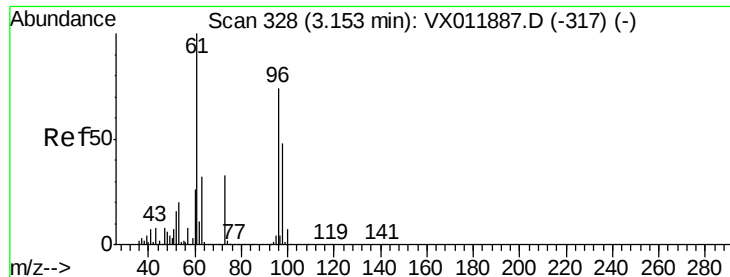
MMDadoda
9/3/2019 2:39:17 AM



#20
Methylene Chloride
Concen: 23.281 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.0	103.0	154.4
51	37.9	30.8	46.2
86	64.3	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 20.252 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

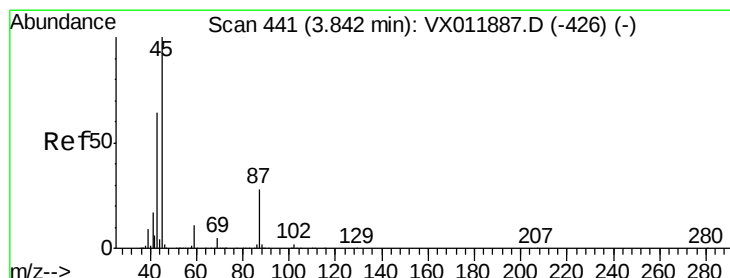
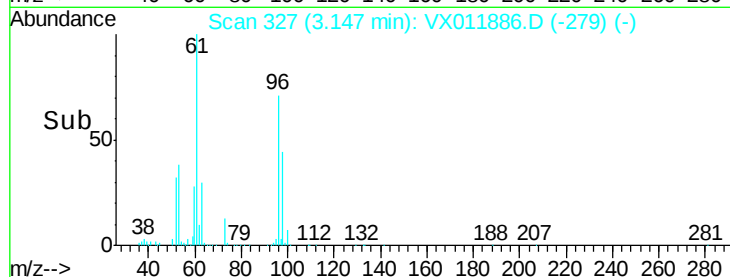
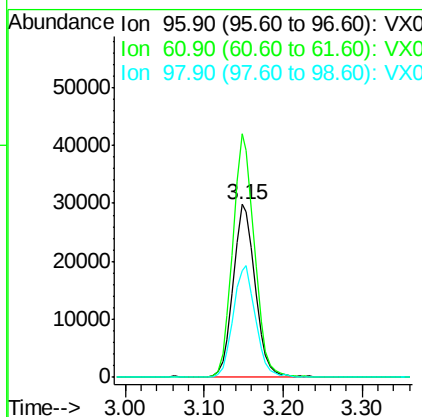
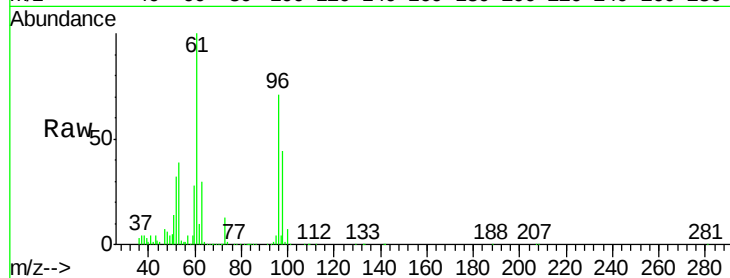
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	58509
Ion	Ratio	Lower	Upper
96	100		
61	140.7	107.4	161.2
98	61.7	51.4	77.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.131 ug/l

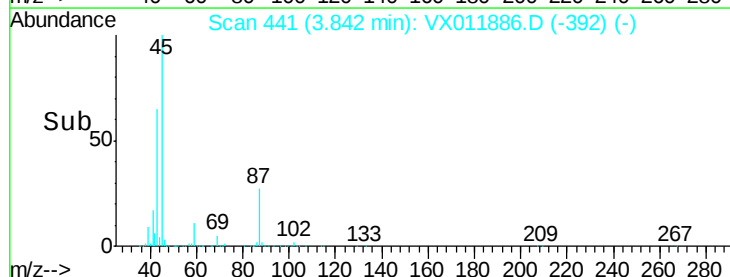
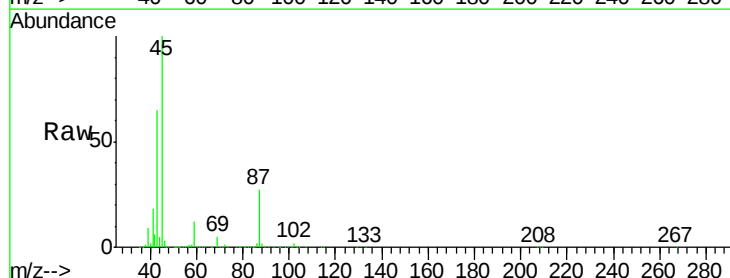
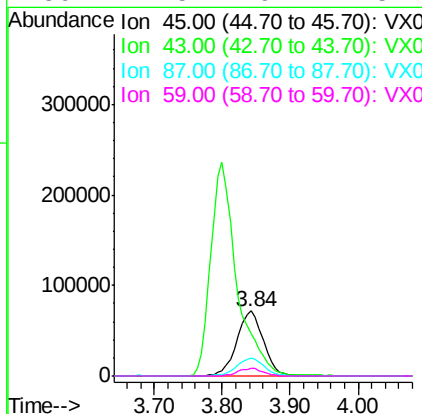
RT: 3.84 min Scan# 441

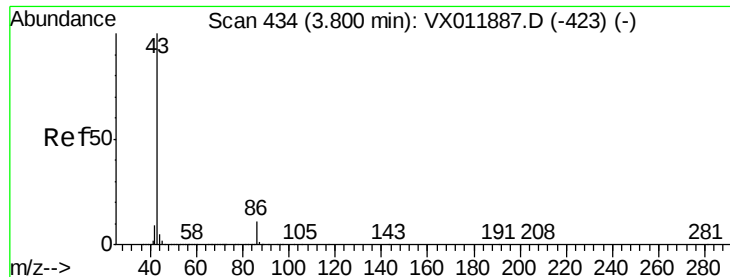
Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Tgt Ion:	45	Resp:	194404
Ion	Ratio	Lower	Upper
45	100		
43	64.5	51.0	76.6
87	26.7	22.0	33.0
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 156.896 ug/l

RT: 3.80 min Scan# 434

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 630200

Ion Ratio Lower Upper

43 100

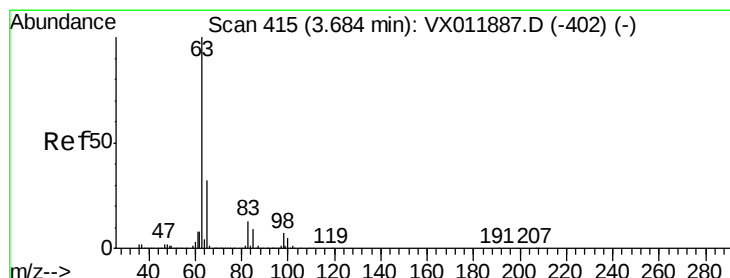
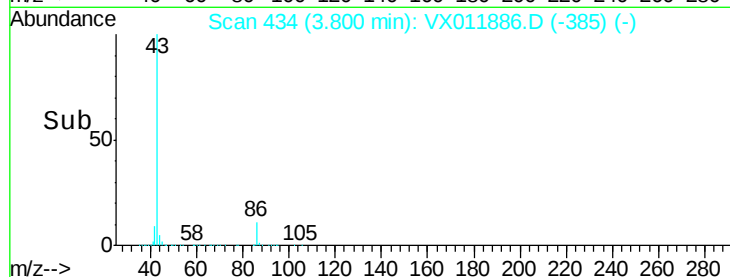
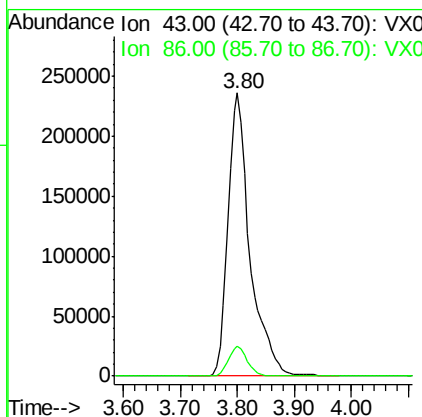
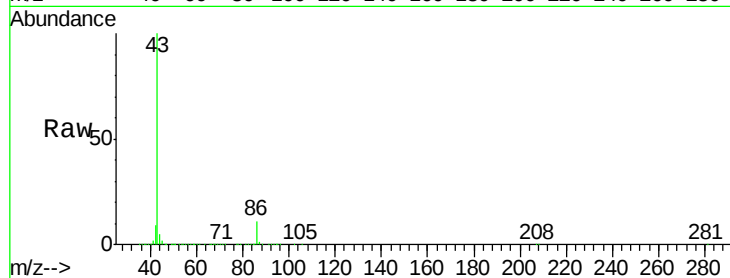
86 10.8 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.269 ug/l

RT: 3.68 min Scan# 415

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

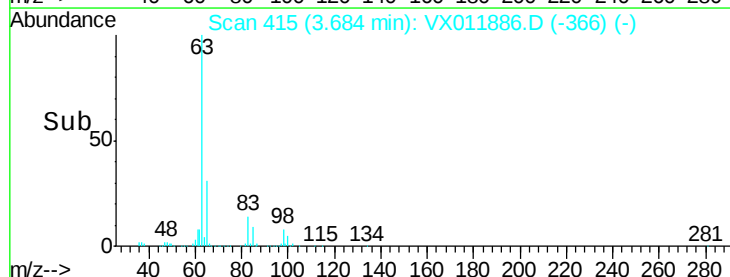
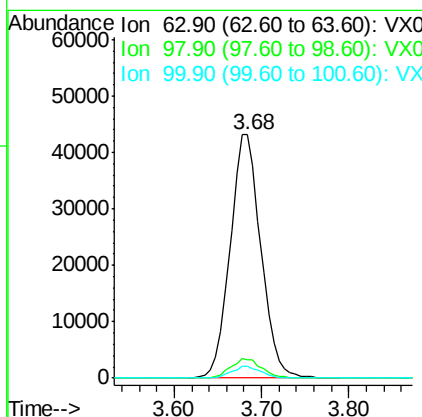
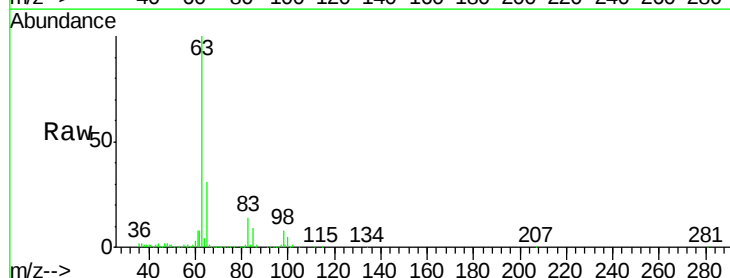
Tgt Ion: 63 Resp: 105479

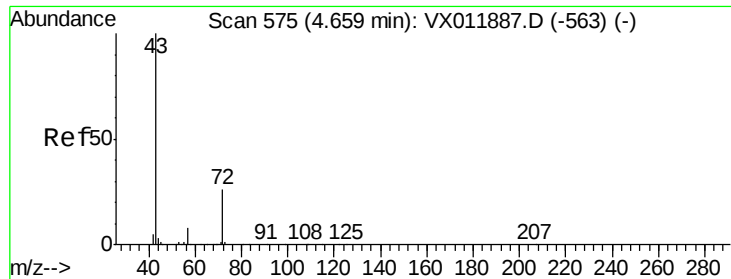
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 111.239 ug/l

RT: 4.66 min Scan# 575

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 112502

Ion Ratio Lower Upper

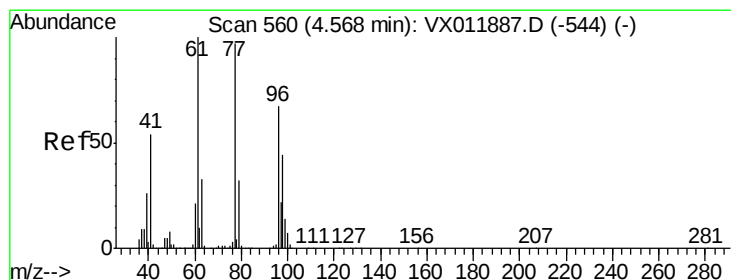
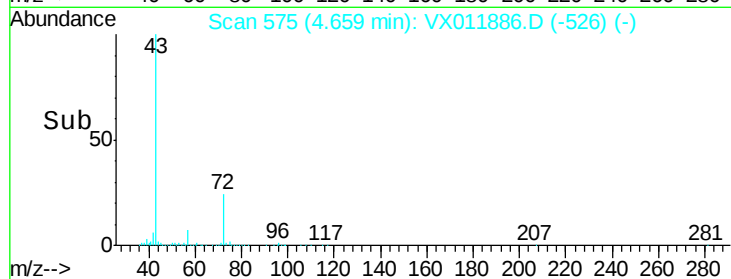
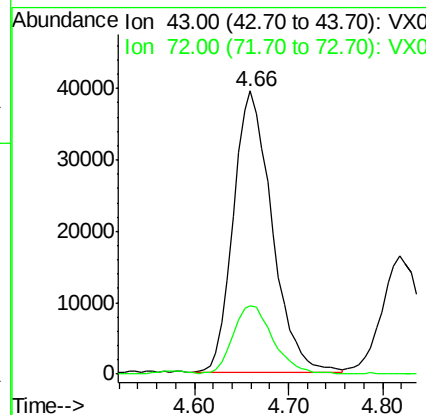
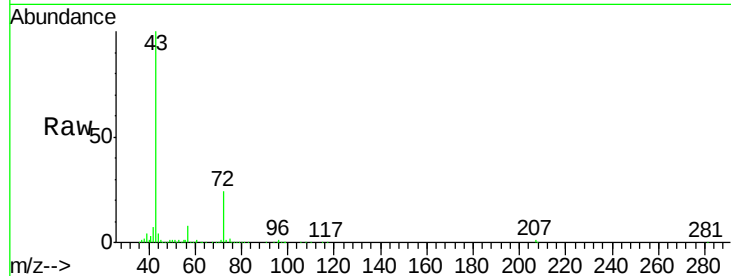
43 100

72 23.9 21.0 31.4

Manual Integrations
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9/3/2019 2:39:17 AM



#26

2,2-Dichloropropane

Concen: 24.523 ug/l

RT: 4.56 min Scan# 559

Delta R.T. -0.01 min

Lab File: VX011886.D

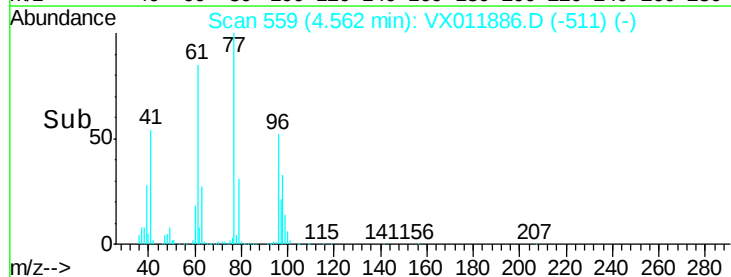
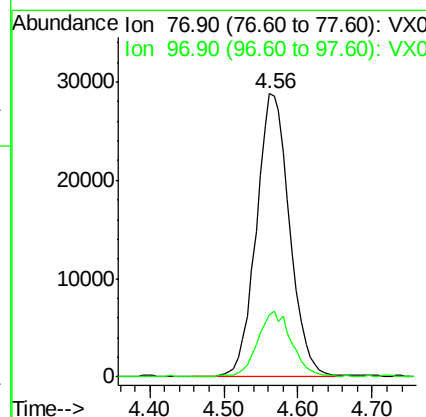
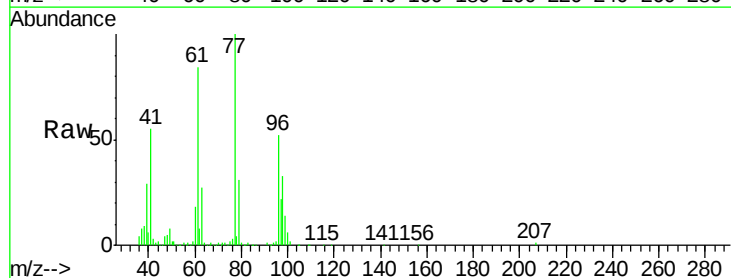
Acq: 29 Aug 2019 21:42

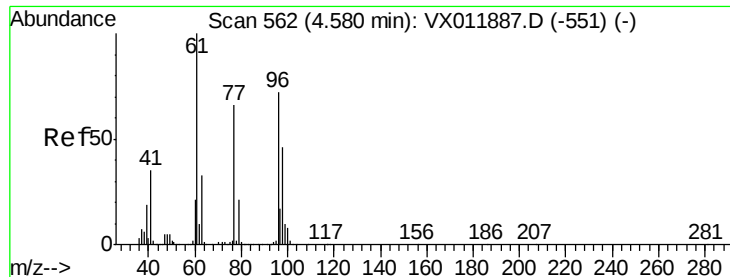
Tgt Ion: 77 Resp: 89423

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.1





#27

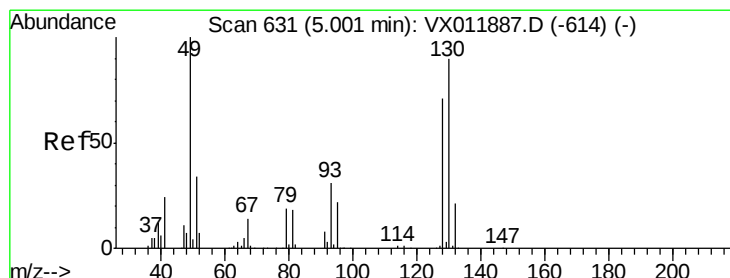
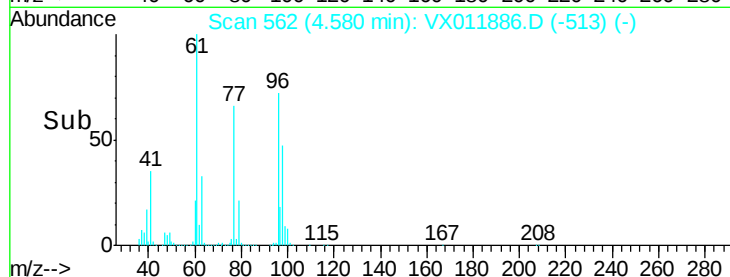
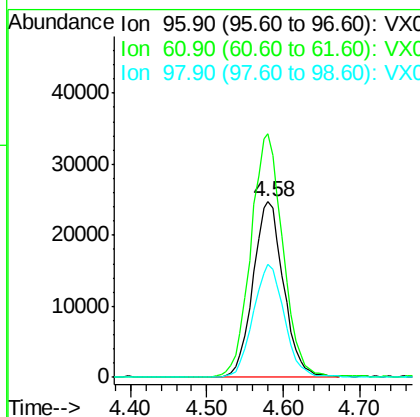
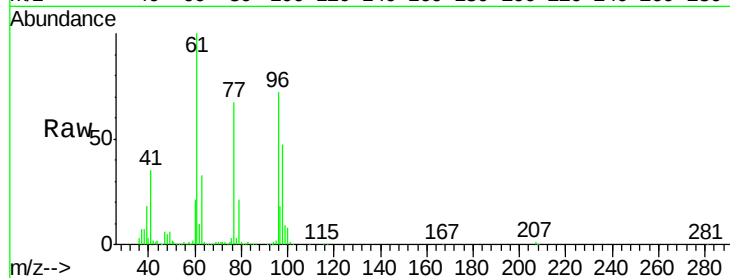
cis-1,2-Dichloroethene
Concen: 20.299 ug/l
RT: 4.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	69282		
61	145.3		0.0	283.8
98	65.6		0.0	131.2

Manual Integrations
APPROVED

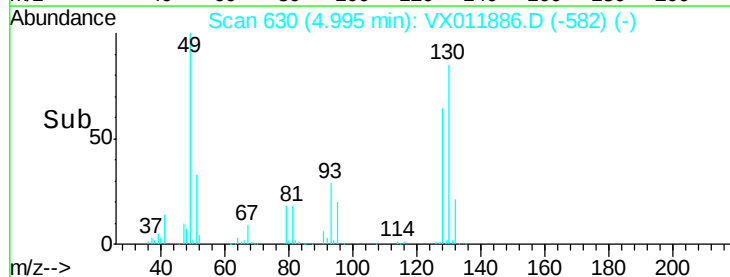
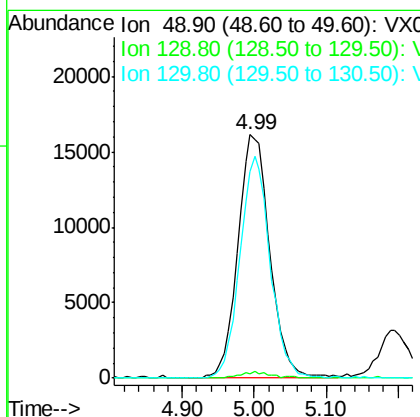
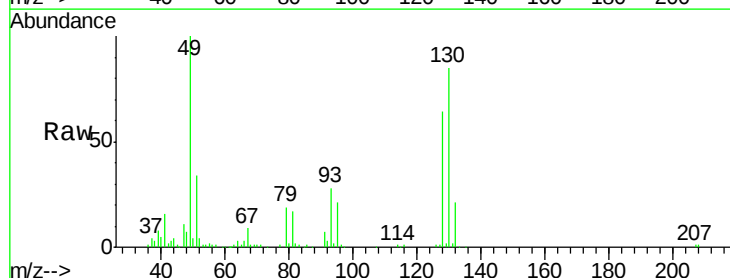
MMDadoda
9/3/2019 2:39:17 AM

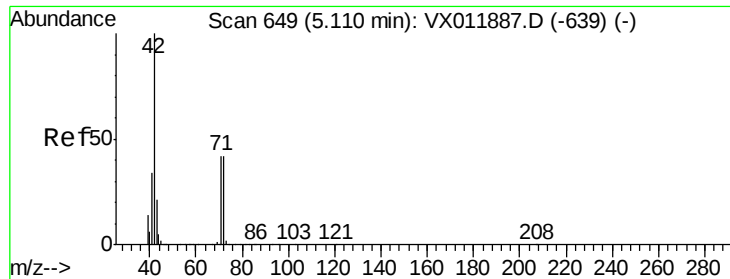


#28

Bromochloromethane
Concen: 21.509 ug/l
RT: 4.99 min Scan# 630
Delta R.T. -0.01 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49784		
129	2.2		0.0	4.8
130	86.4		70.6	105.8





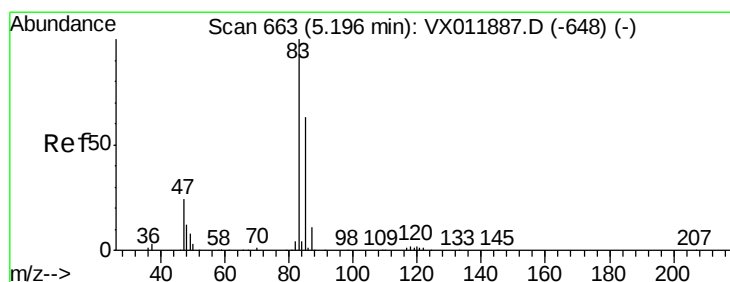
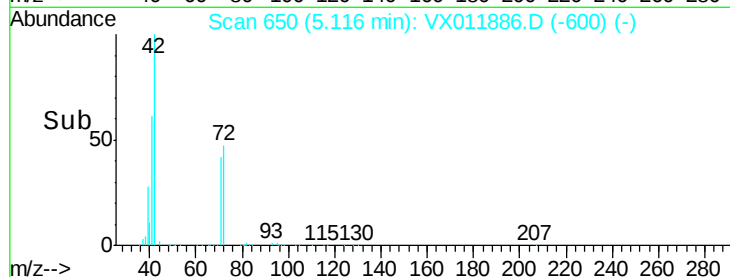
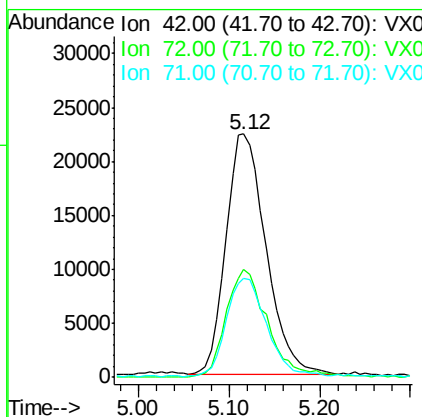
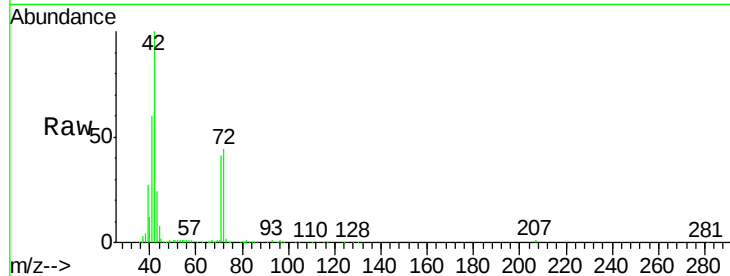
#29
Tetrahydrofuran
Concen: 108.857 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.01 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	42	Resp:	68553
Ion	Ratio	Lower	Upper
42	100		
72	46.7	36.2	54.4
71	40.8	33.1	49.7

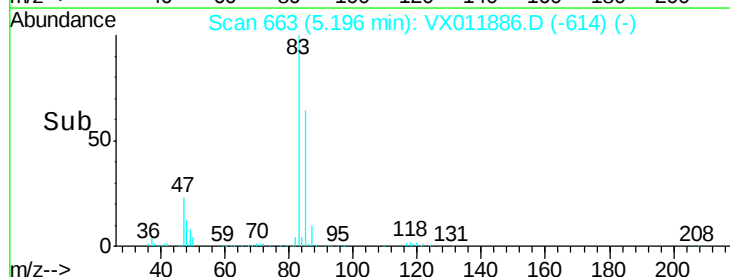
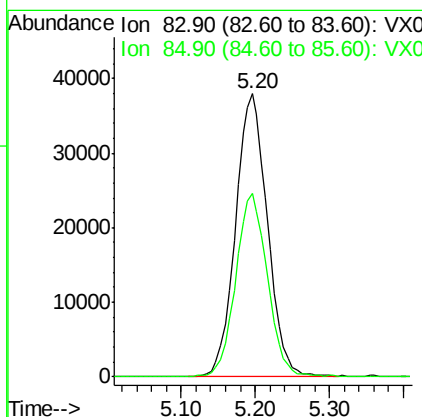
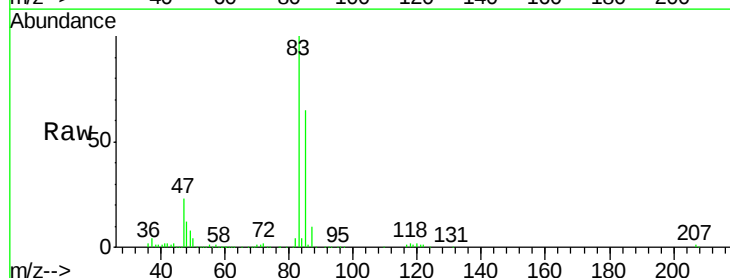
Manual Integrations
APPROVED

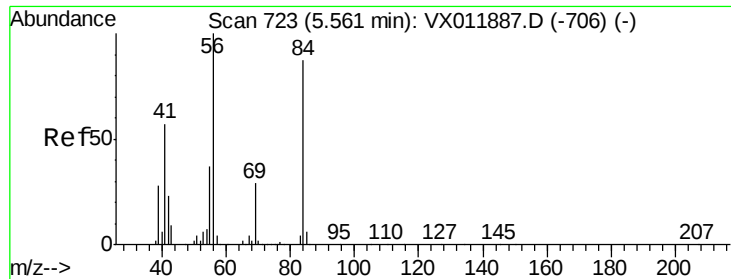
MMDadoda
9/3/2019 2:39:17 AM



#30
Chloroform
Concen: 20.283 ug/l
RT: 5.20 min Scan# 663
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion:	83	Resp:	113781
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.6	75.8





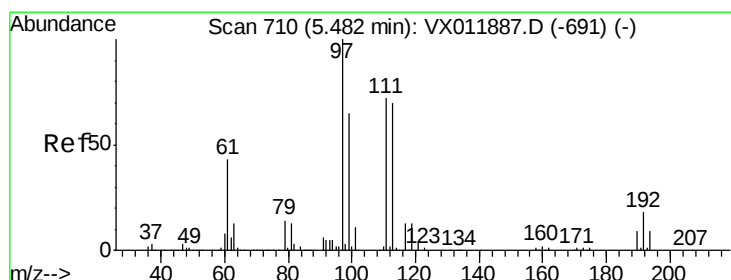
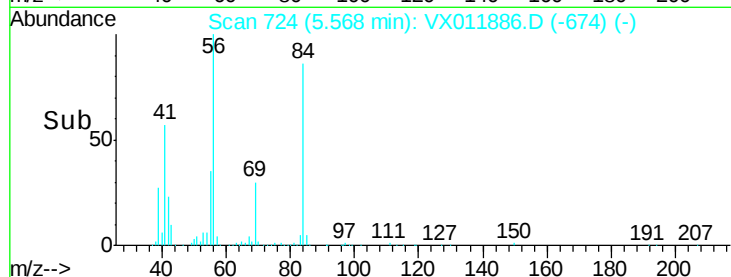
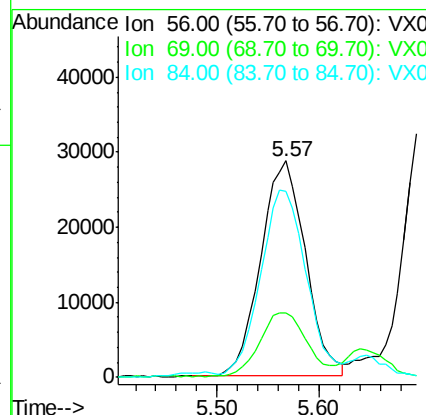
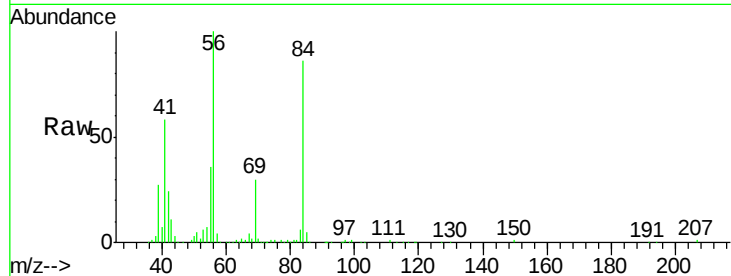
#31
Cyclohexane
Concen: 20.724 ug/l
RT: 5.57 min Scan# 724
Delta R.T. 0.01 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.1	34.7
84	84.9	69.6	104.4

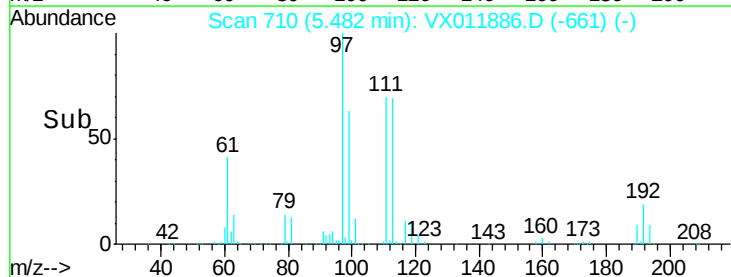
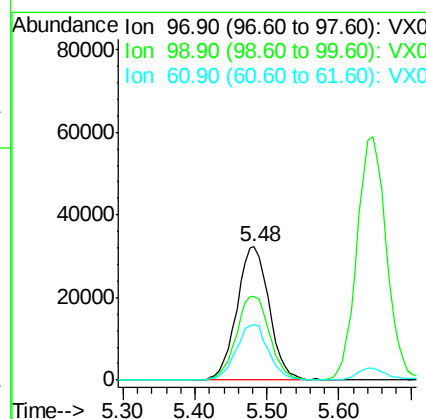
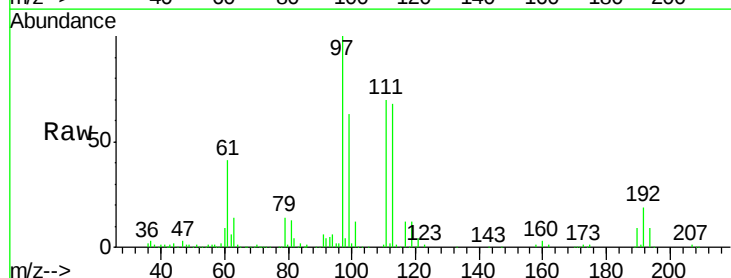
Manual Integrations
APPROVED

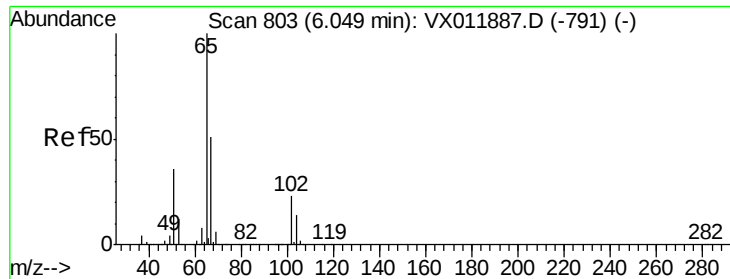
MMDadoda
9/3/2019 2:39:17 AM



#32
1,1,1-Trichloroethane
Concen: 21.190 ug/l
RT: 5.48 min Scan# 710
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	41.3	33.8	50.6





#33

1,2-Dichloroethane-d4

Concen: 20.137 ug/l

RT: 6.05 min Scan# 803

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 65559

Ion Ratio Lower Upper

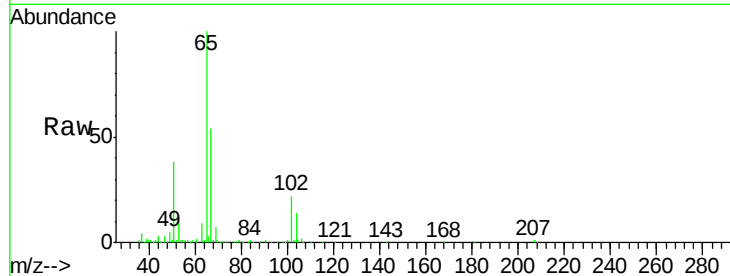
65 100

67 52.6 0.0 102.2

Manual Integrations
APPROVED

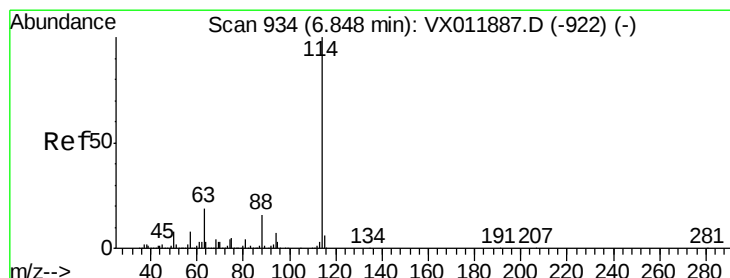
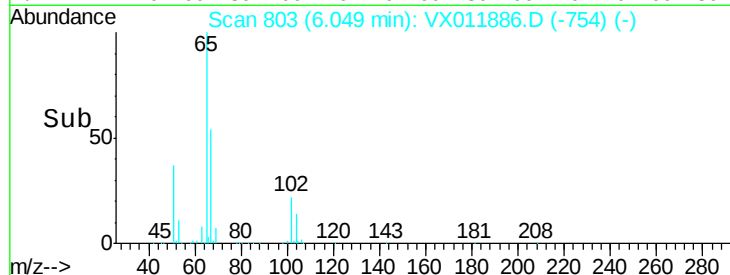
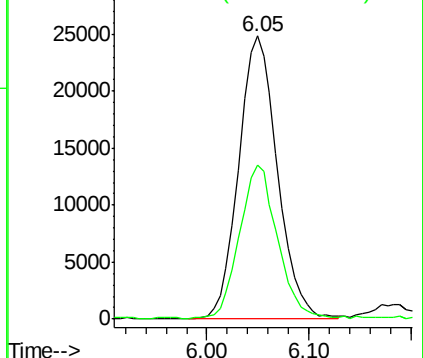
MMDadoda

9/3/2019 2:39:17 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

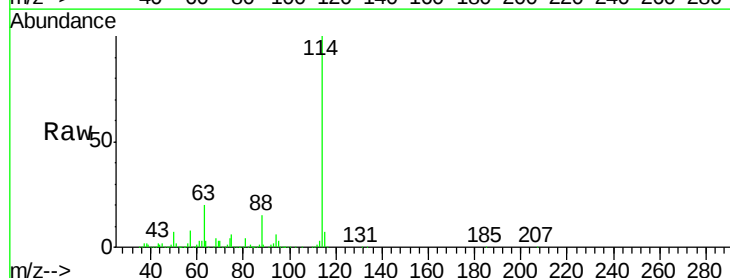
Tgt Ion: 114 Resp: 482787

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

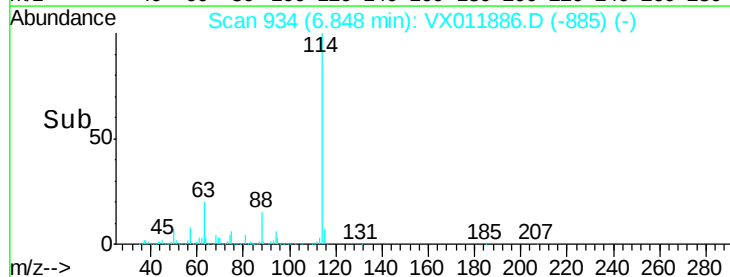
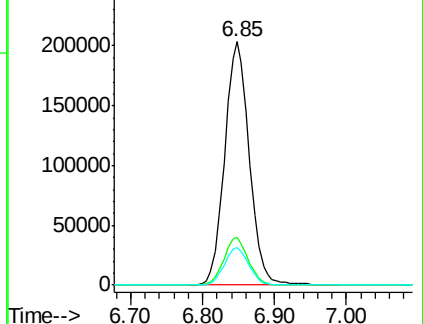
88 15.5 0.0 31.2

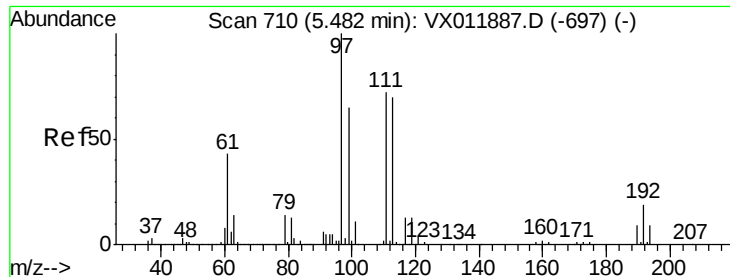


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





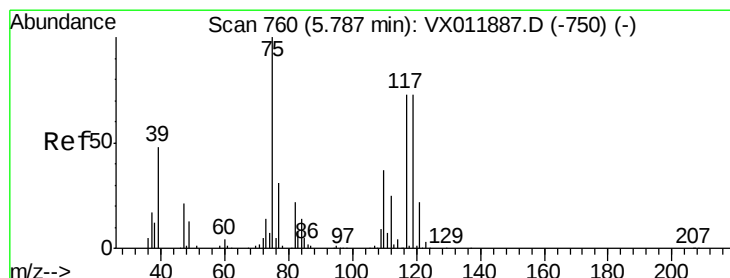
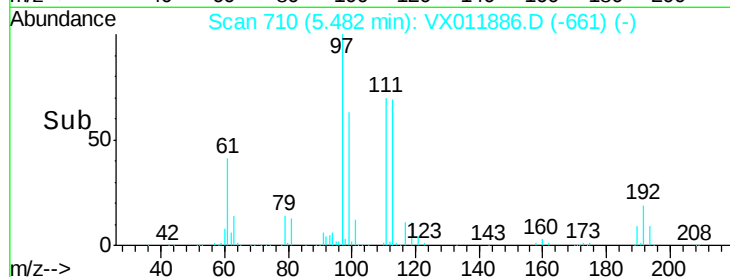
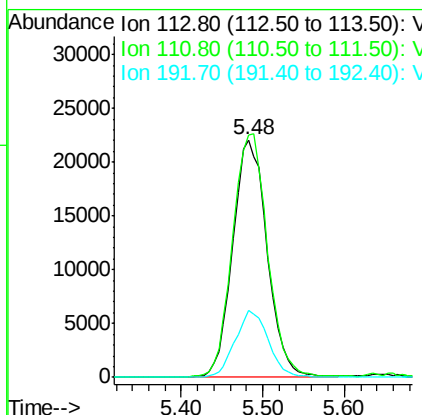
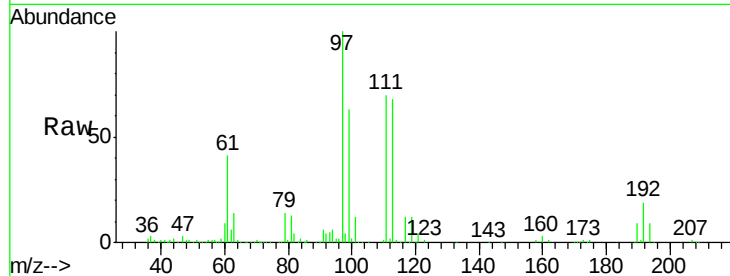
#35
 Dibromofluoromethane
 Concen: 21.542 ug/l
 RT: 5.48 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VX011886.D
 Acq: 29 Aug 2019 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	64536		
111	104.1	82.1	123.1	
192	27.3	21.5	32.3	

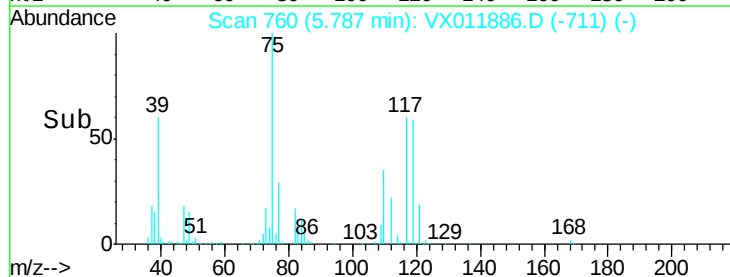
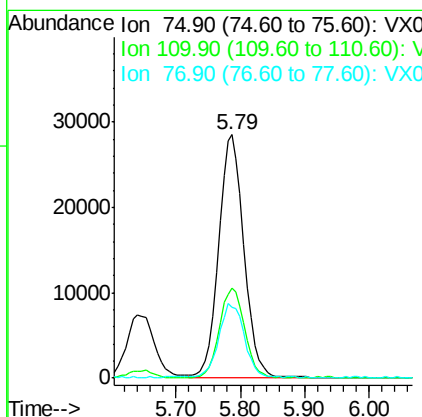
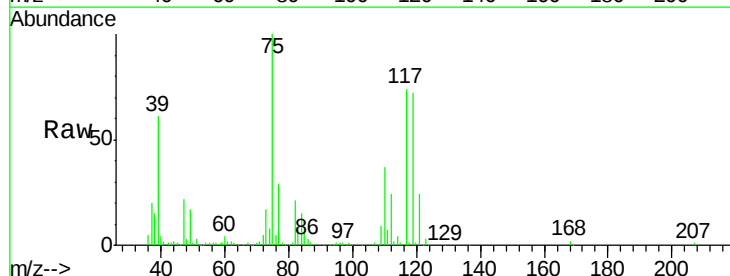
Manual Integrations
 APPROVED

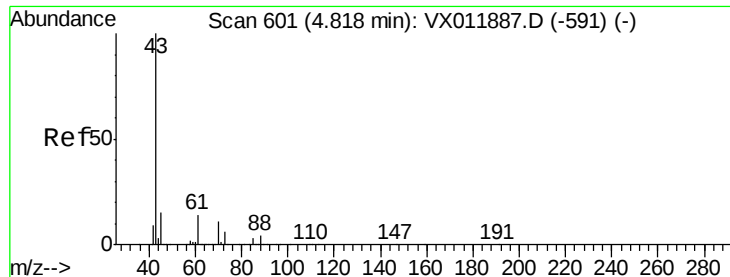
MMDadoda
 9/3/2019 2:39:17 AM



#36
 1,1-Dichloropropene
 Concen: 20.601 ug/l
 RT: 5.79 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VX011886.D
 Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78449		
110	37.6	19.1	57.3	
77	30.5	24.4	36.6	





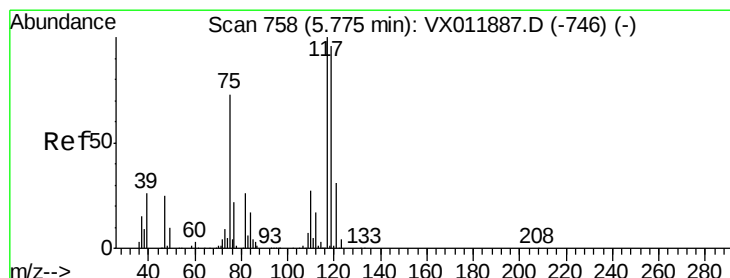
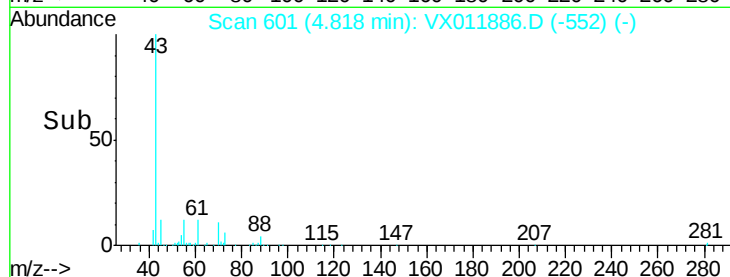
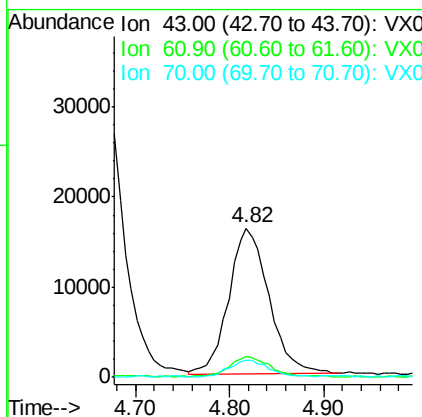
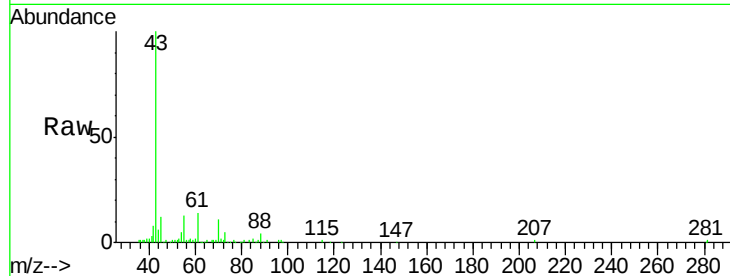
#37
Ethyl Acetate
Concen: 26.443 ug/l
RT: 4.82 min Scan# 601
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	47454
Ion Ratio	100	Lower	Upper
43	100		
61	15.7	11.0	16.4
70	11.9	9.2	13.8

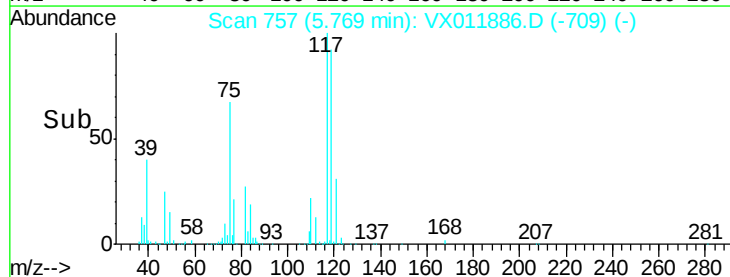
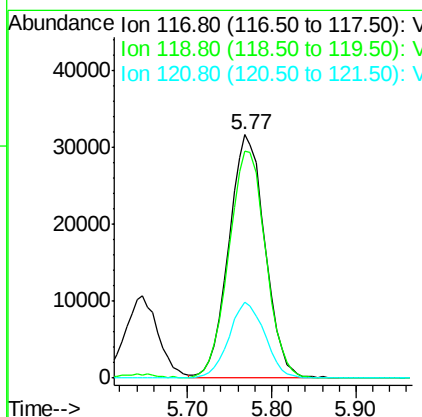
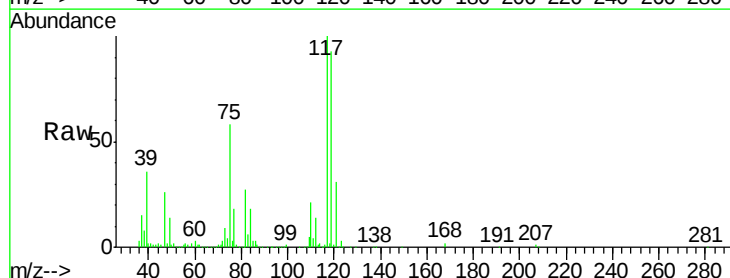
Manual Integrations
APPROVED

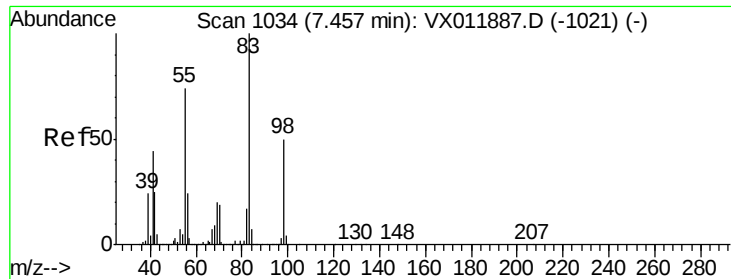
MMDadoda
9/3/2019 2:39:17 AM



#38
Carbon Tetrachloride
Concen: 24.764 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	117	Resp	91899
Ion Ratio	100	Lower	Upper
117	100		
119	93.7	76.6	114.8
121	31.5	24.7	37.1





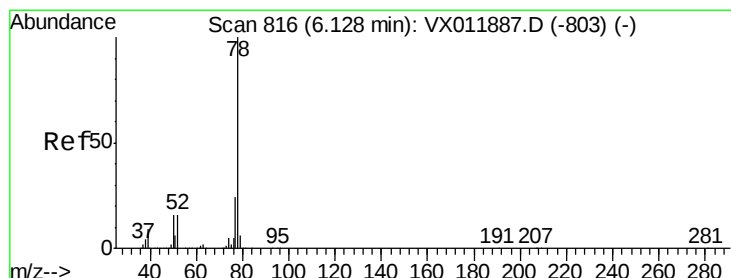
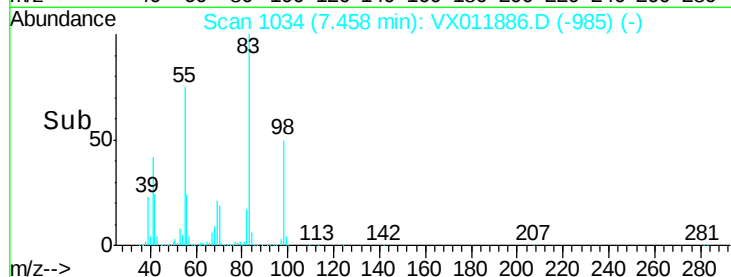
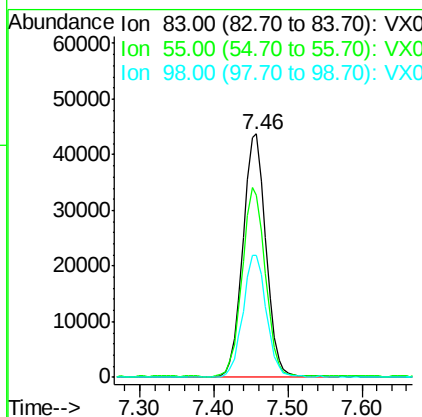
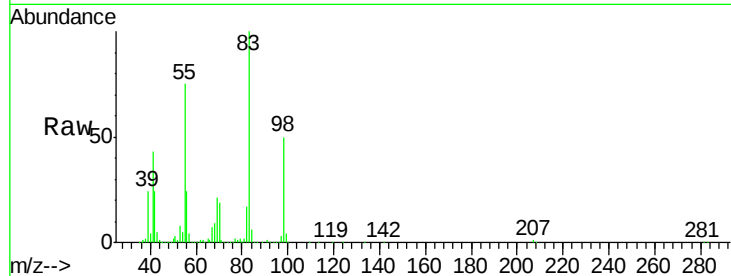
#39
Methvlcvclohexane
Concen: 21.156 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	59.4	89.0
98	49.9	40.3	60.5

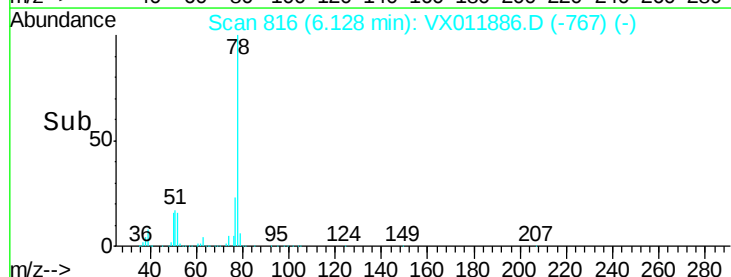
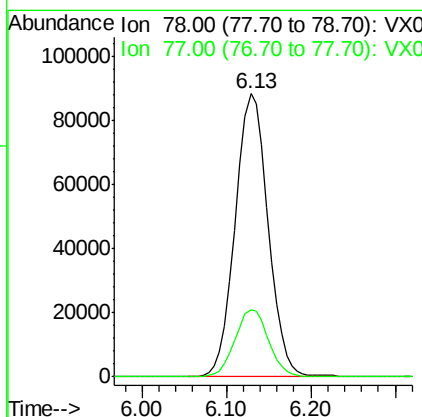
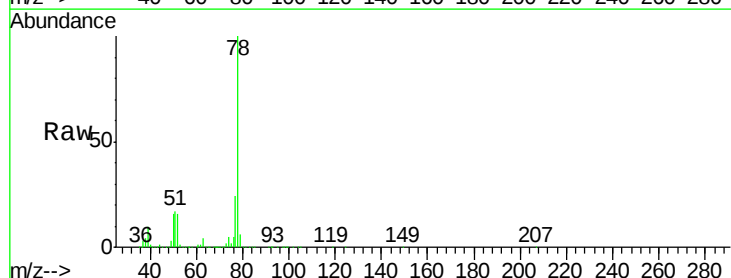
Manual Integrations
APPROVED

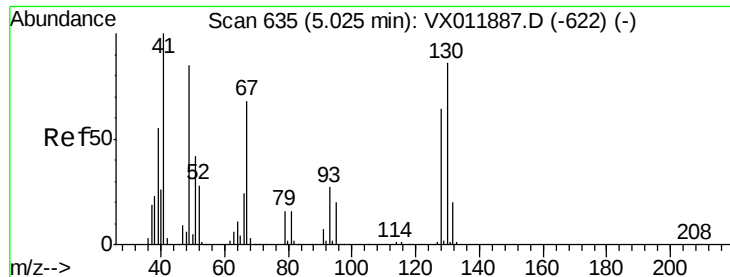
MMDadoda
9/3/2019 2:39:17 AM



#40
Benzene
Concen: 20.519 ug/l
RT: 6.13 min Scan# 816
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





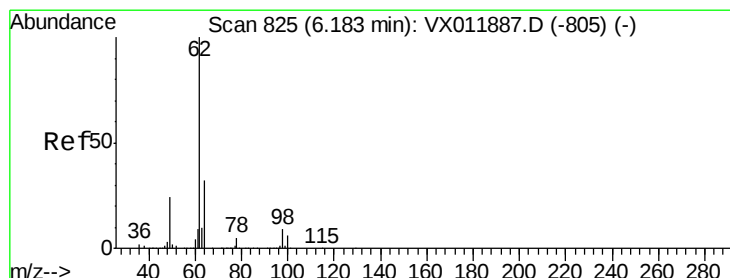
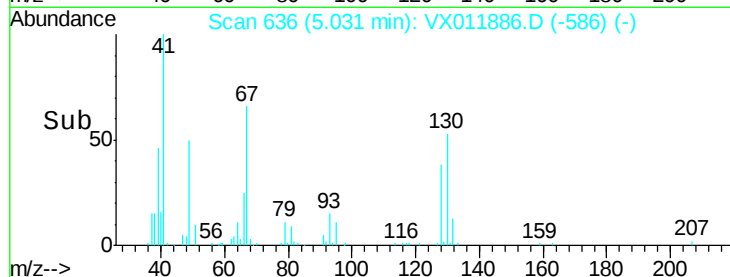
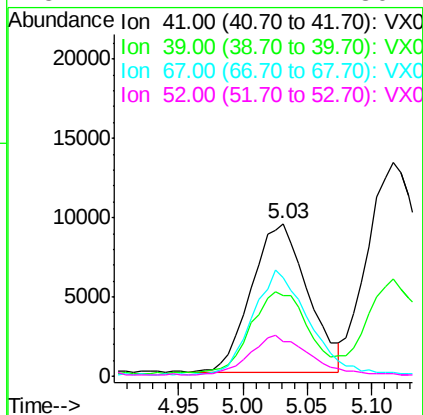
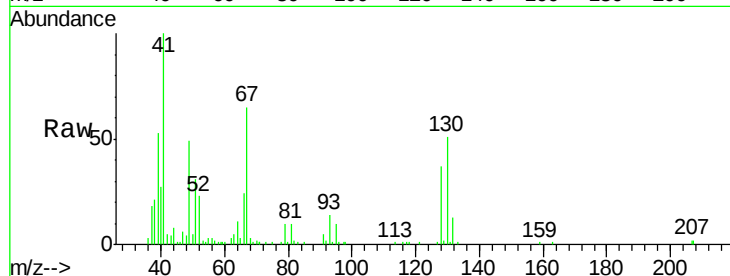
#41
Methacrylonitrile
Concen: 23.215 ug/l
RT: 5.03 min Scan# 636
Delta R.T. 0.01 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	45.0	67.6	
67	69.4	55.0	82.4	
52	27.4	24.1	36.1	

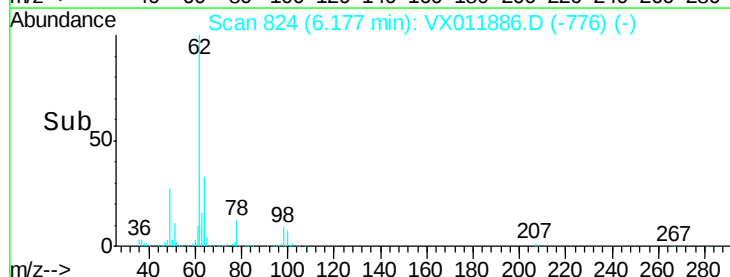
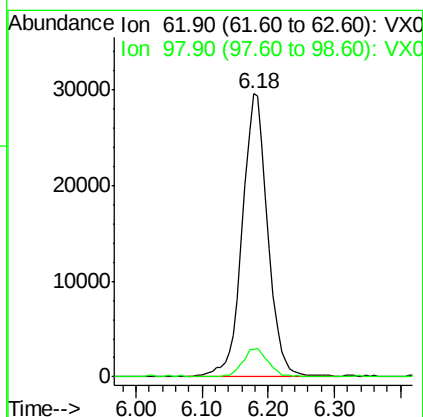
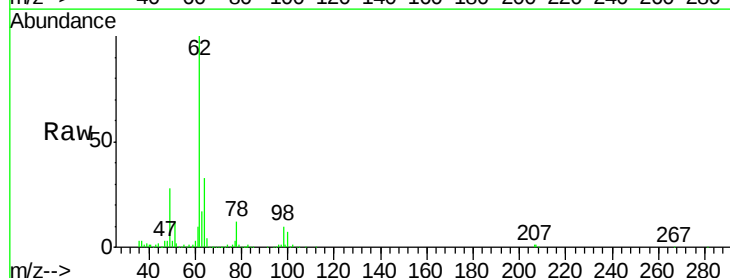
Manual Integrations
APPROVED

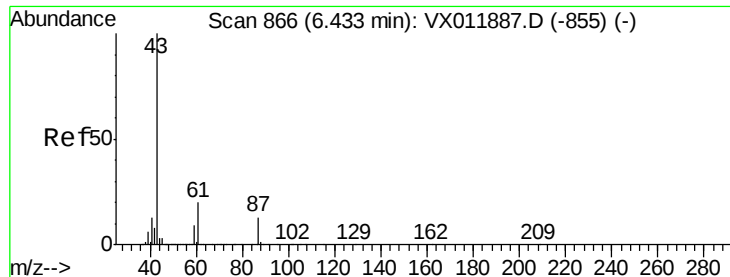
MMDadoda
9/3/2019 2:39:17 AM



#42
1,2-Dichloroethane
Concen: 20.947 ug/l
RT: 6.18 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	19.2	





#43

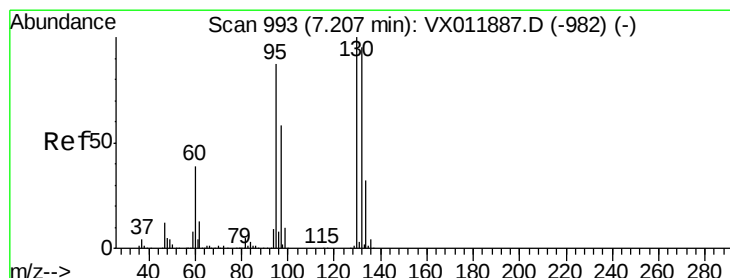
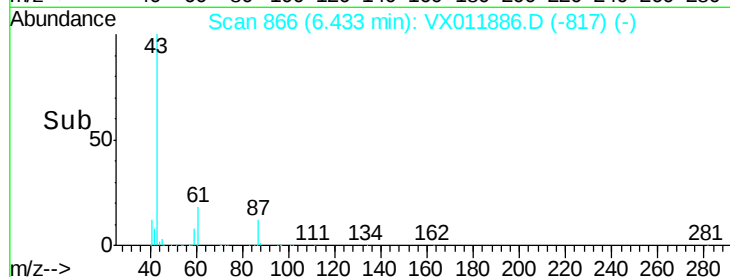
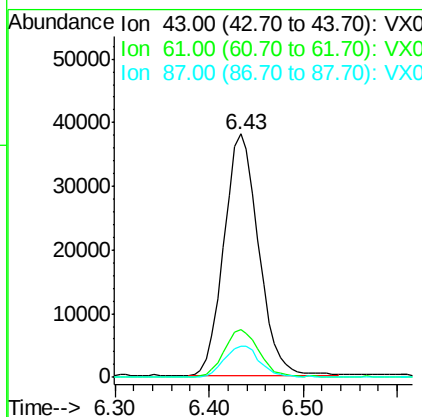
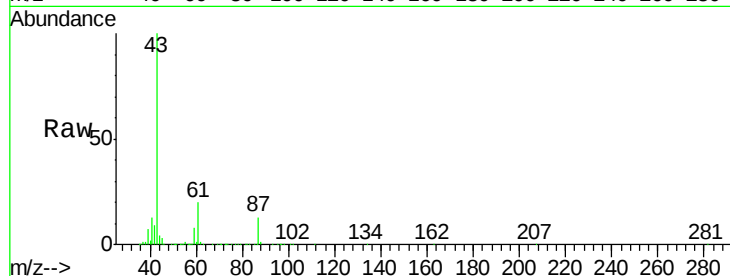
Isopropyl Acetate
 Concen: 27.247 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VX011886.D
 Acq: 29 Aug 2019 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.1	24.1
87	13.2	10.6	16.0

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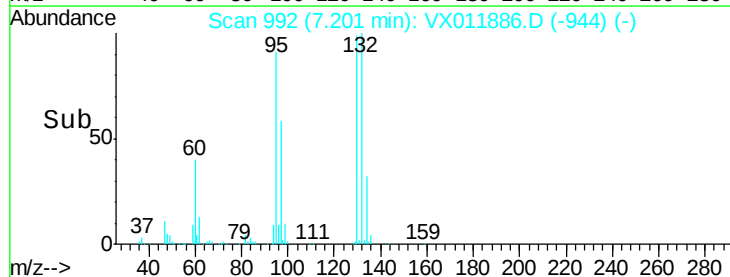
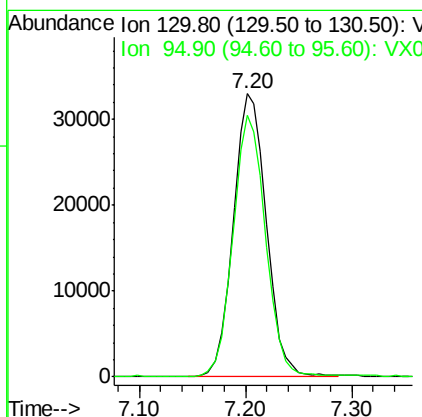
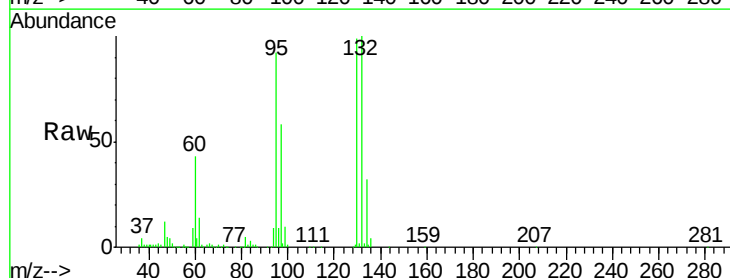
MMDadoda
 9/3/2019 2:39:17 AM

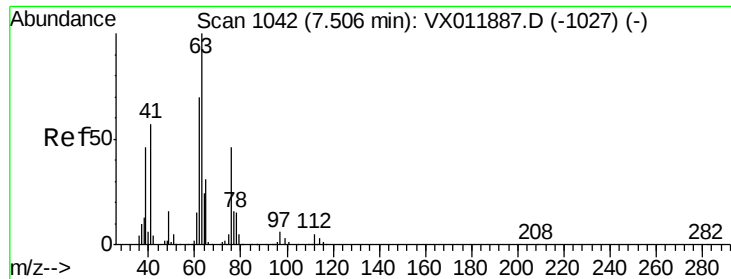


#44

Trichloroethene
 Concen: 18.291 ug/l
 RT: 7.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VX011886.D
 Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	174.6





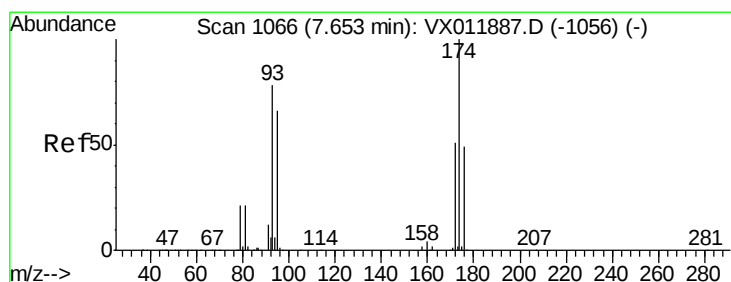
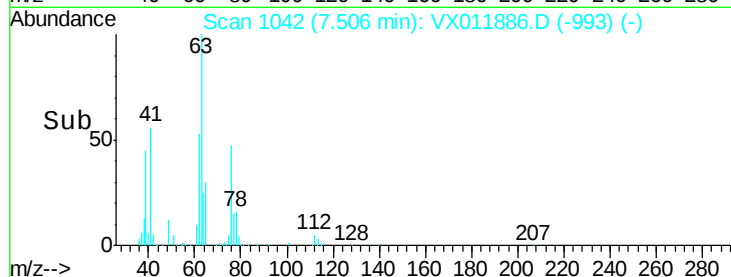
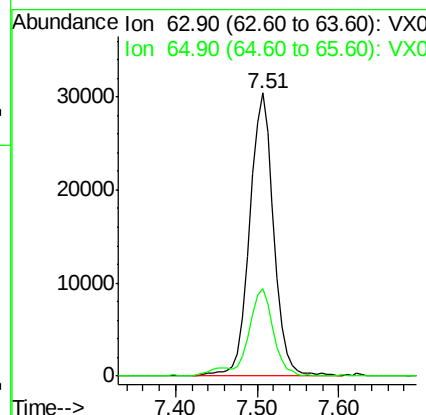
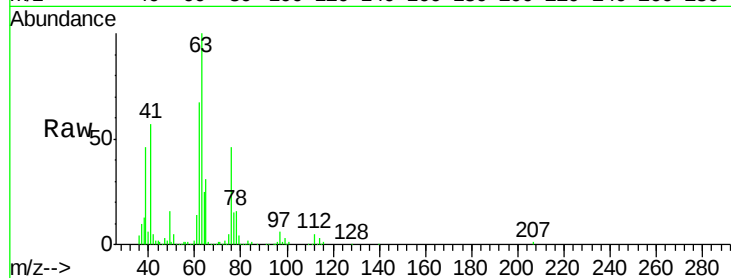
#45
 1,2-Dichloropropane
 Concen: 21.589 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VX011886.D
 Acq: 29 Aug 2019 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.1	37.7

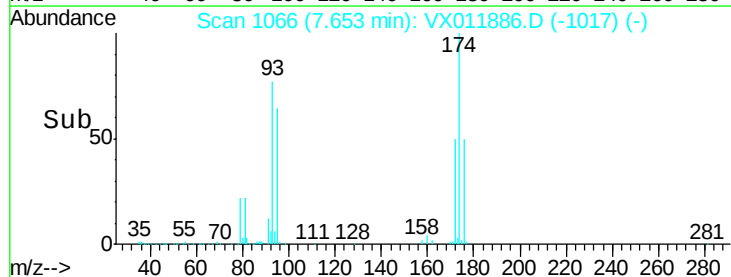
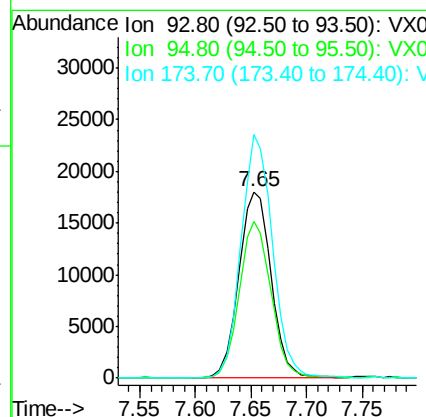
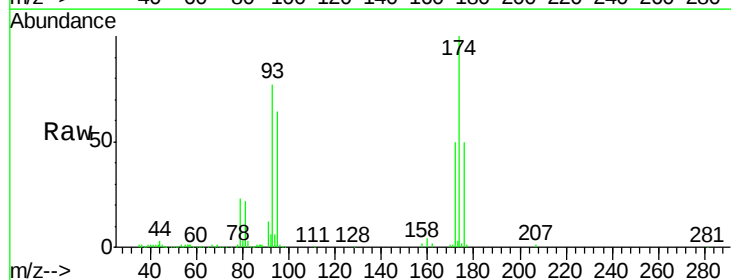
Manual Integrations
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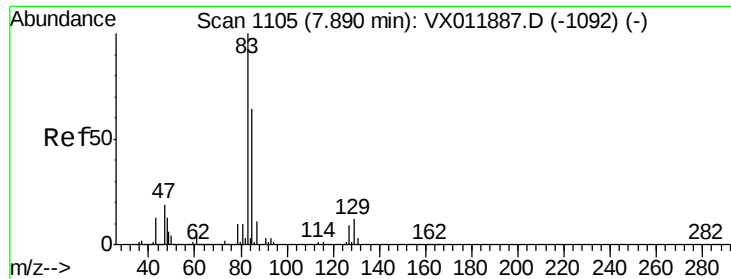
MMDadoda
 9/3/2019 2:39:17 AM



#46
 Dibromomethane
 Concen: 20.961 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VX011886.D
 Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.7	98.5
174	127.5	104.2	156.4





#47

Bromodichloromethane

Concen: 22.507 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

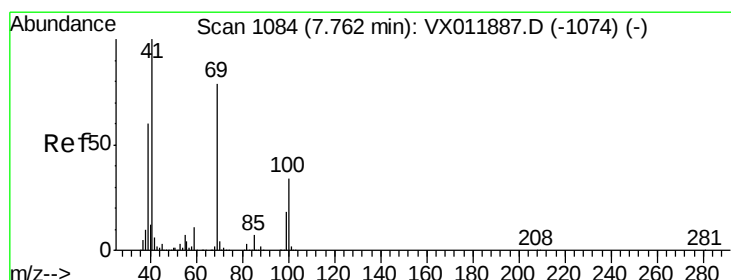
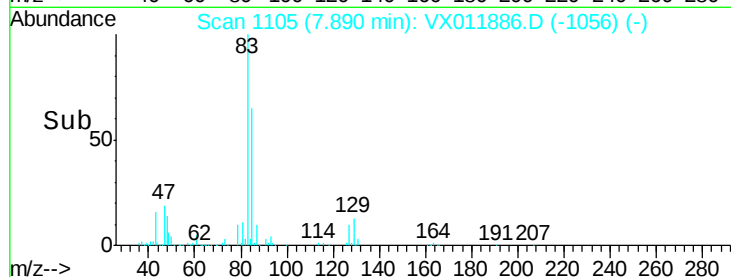
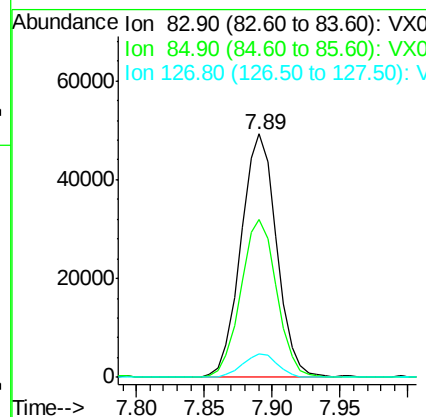
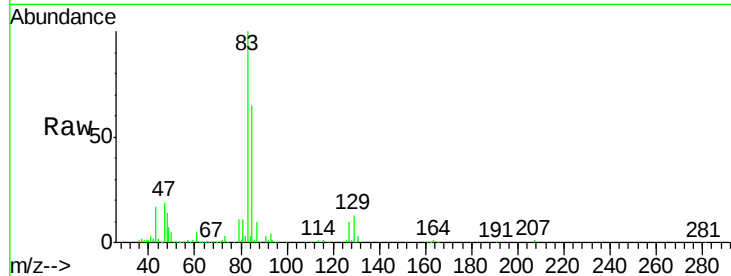
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	90425
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.1	76.7
127	9.7	7.4	11.2

Manual Integrations
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MMDadoda
9/3/2019 2:39:17 AM



#48

Methyl methacrylate

Concen: 26.788 ug/l

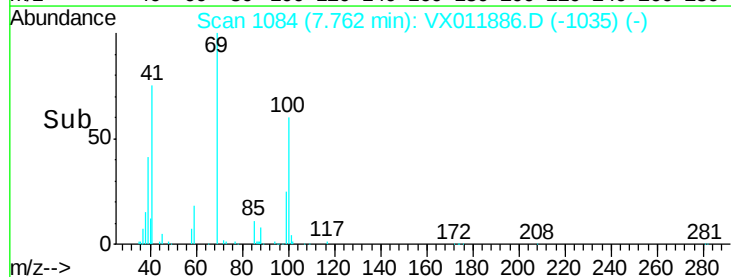
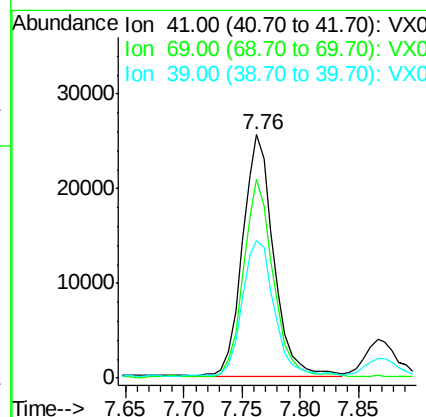
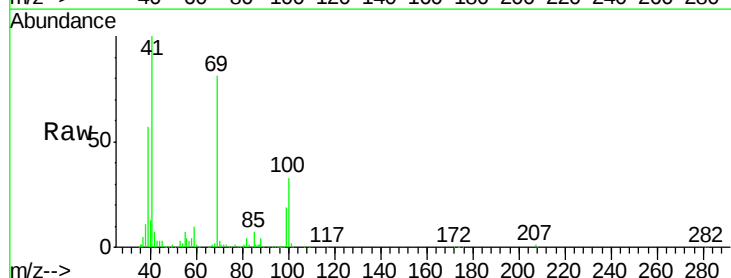
RT: 7.76 min Scan# 1084

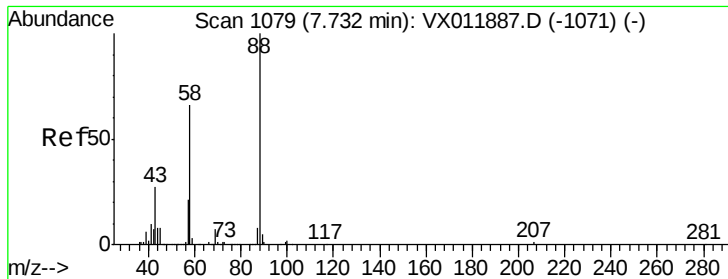
Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Tgt Ion:	41	Resp:	47126
Ion Ratio	Lower	Upper	
41	100		
69	79.1	64.4	96.6
39	58.8	47.2	70.8





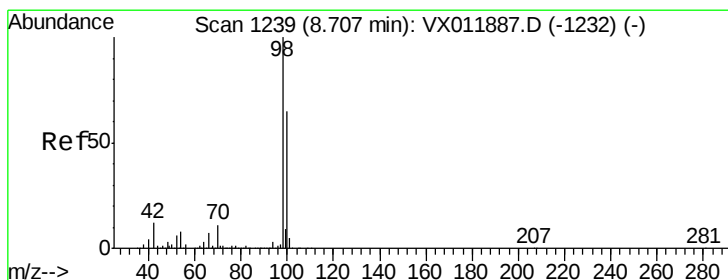
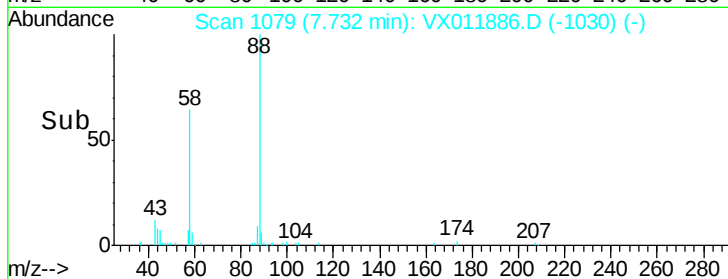
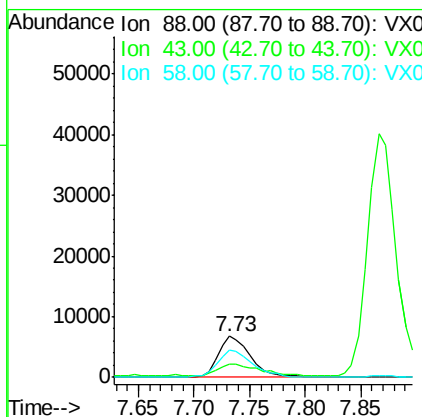
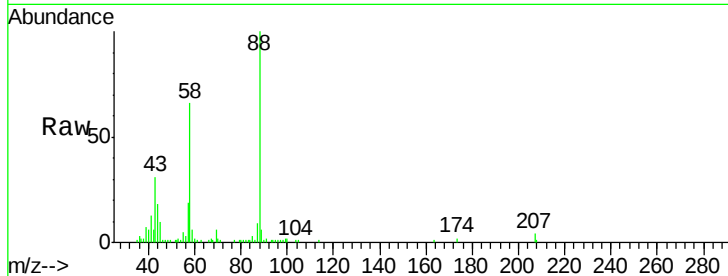
#49
1,4-Dioxane
Concen: 535.832 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	27.3	40.9
58	67.2	53.9	80.9

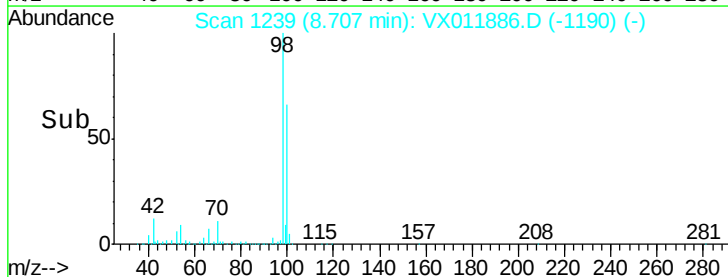
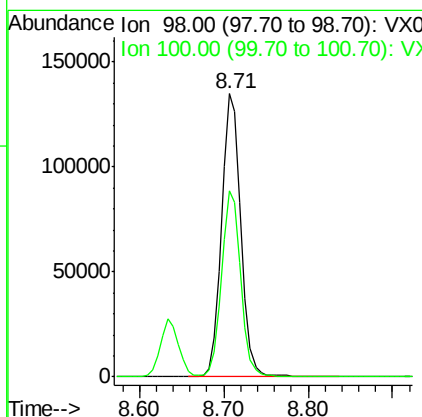
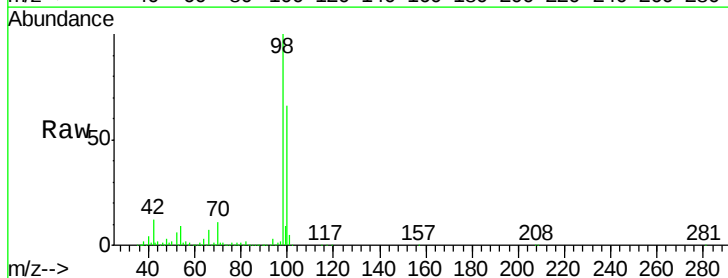
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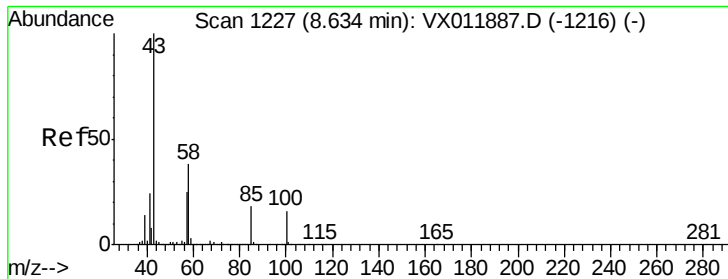
MMDadoda
9/3/2019 2:39:17 AM



#50
Toluene-d8
Concen: 19.652 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 131.430 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 250156

Ion Ratio Lower Upper

43 100

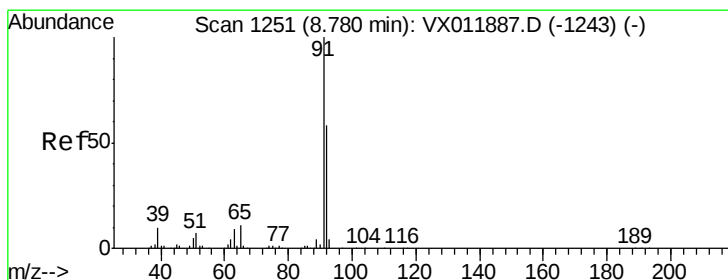
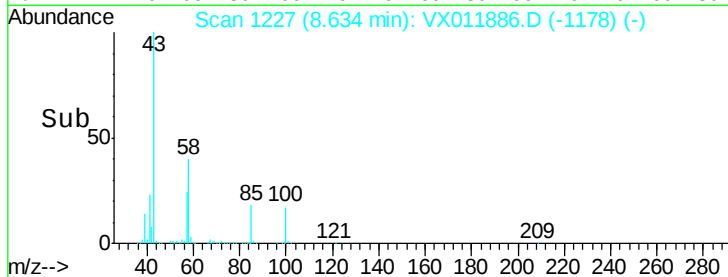
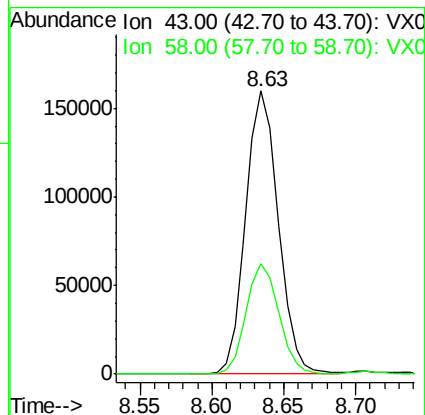
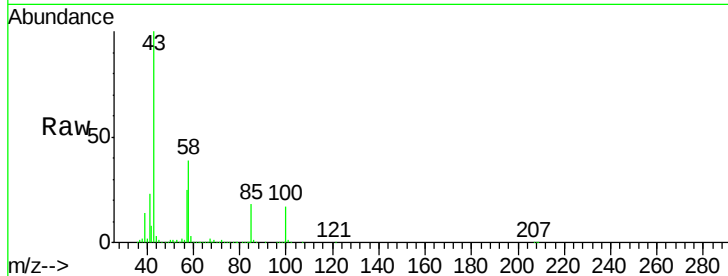
58 39.0 30.9 46.3

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#52

Toluene

Concen: 20.551 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011886.D

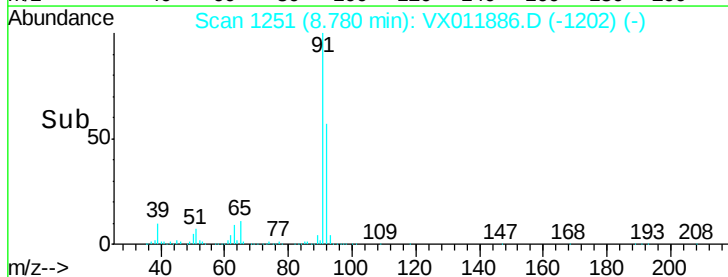
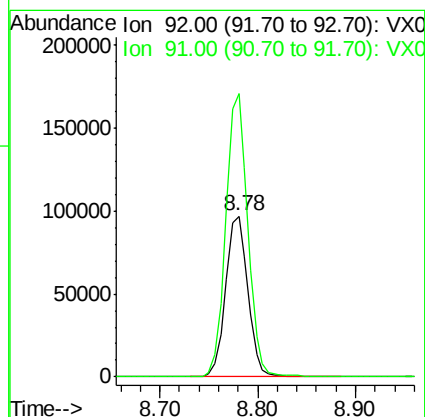
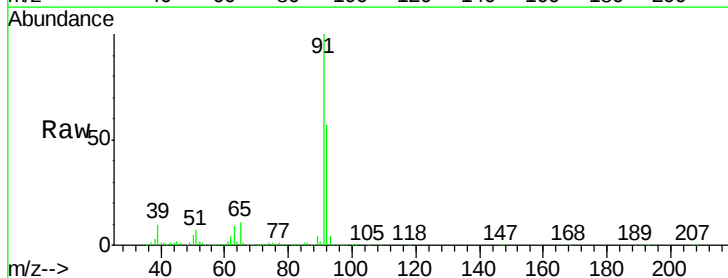
Acq: 29 Aug 2019 21:42

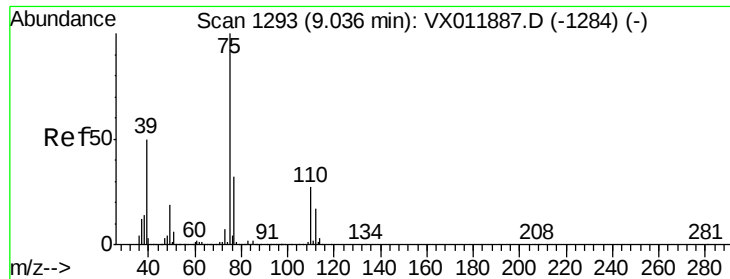
Tgt Ion: 92 Resp: 153303

Ion Ratio Lower Upper

92 100

91 173.2 136.8 205.2





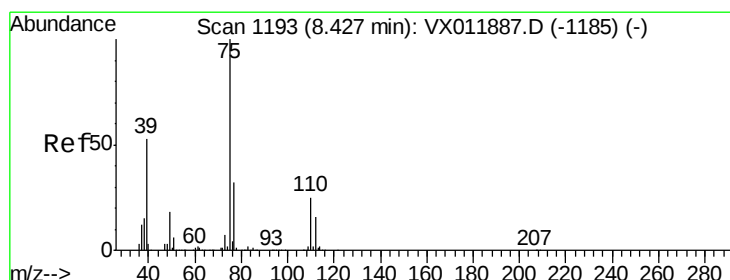
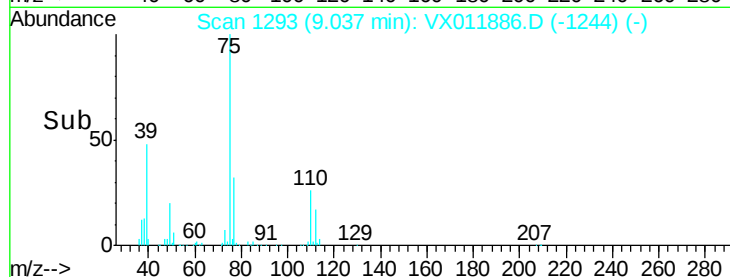
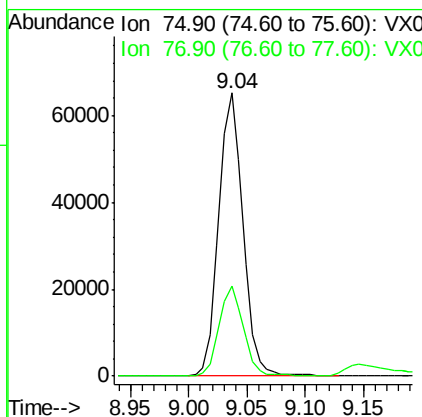
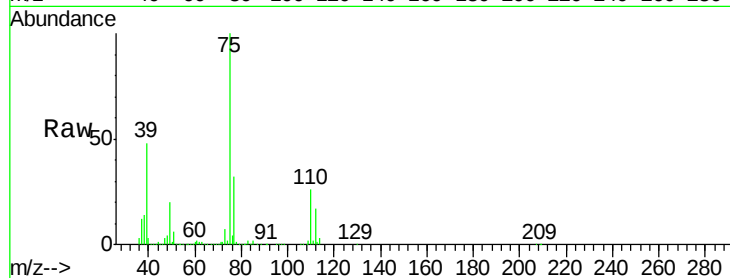
#53
t-1,3-Dichloropropene
Concen: 29.932 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4

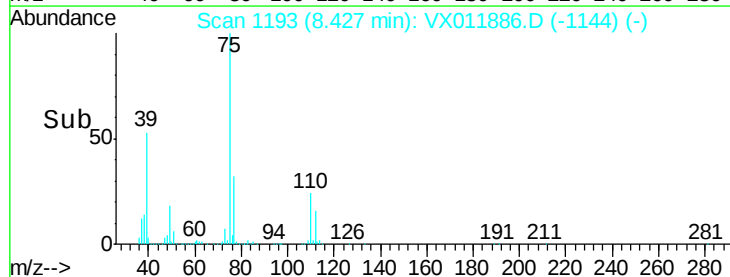
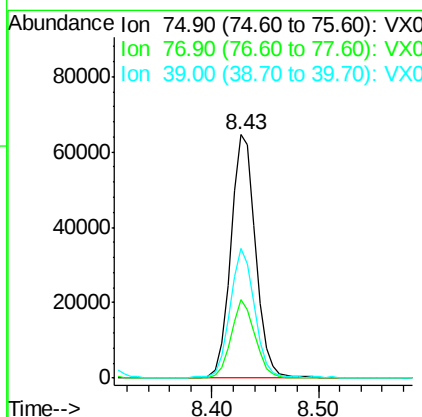
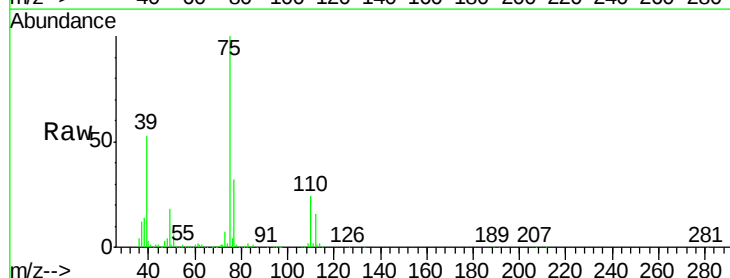
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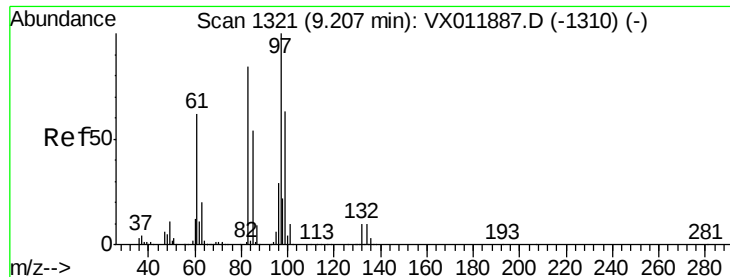
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 26.220 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.5	38.3
39	52.9	42.6	64.0





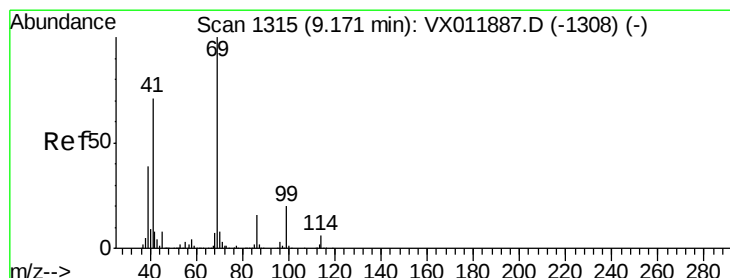
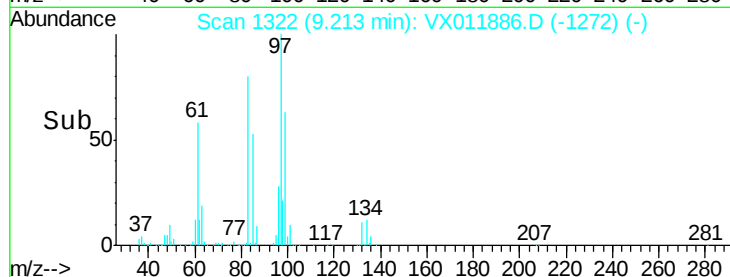
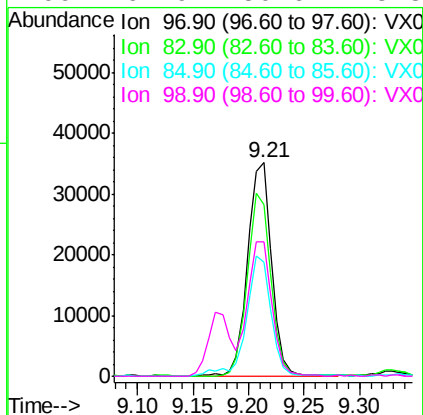
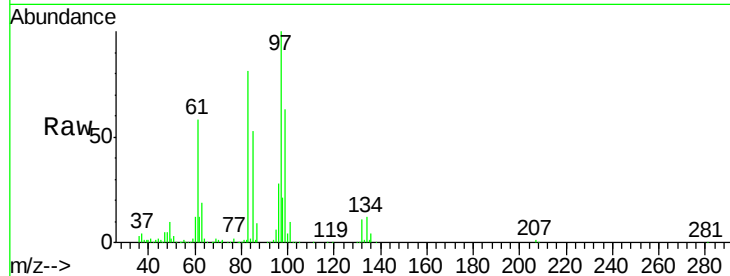
#55
 1,1,2-Trichloroethane
 Concen: 22.350 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VX011886.D
 Acq: 29 Aug 2019 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	52638
Ion	Ratio	Lower	Upper
97	100		
83	80.5	66.8	100.2
85	53.1	43.5	65.3
99	62.9	50.6	75.8

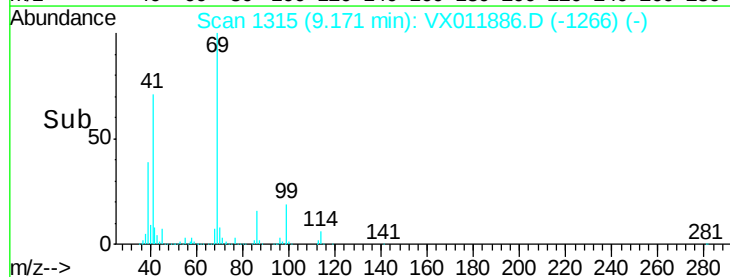
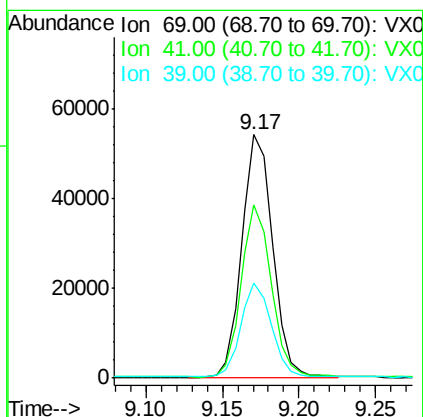
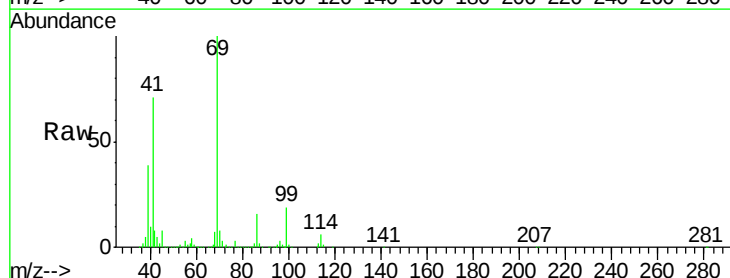
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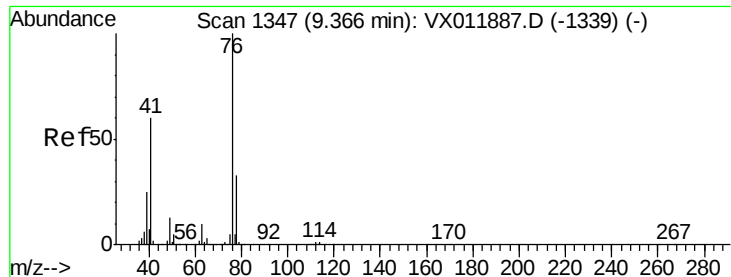
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 9/3/2019 2:39:17 AM



#56
 Ethyl methacrylate
 Concen: 31.000 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VX011886.D
 Acq: 29 Aug 2019 21:42

Tgt Ion:	69	Resp:	75795
Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.8	83.8
39	38.5	31.1	46.7





#57

1,3-Dichloropropane

Concen: 23.558 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 89570

Ion Ratio Lower Upper

76 100

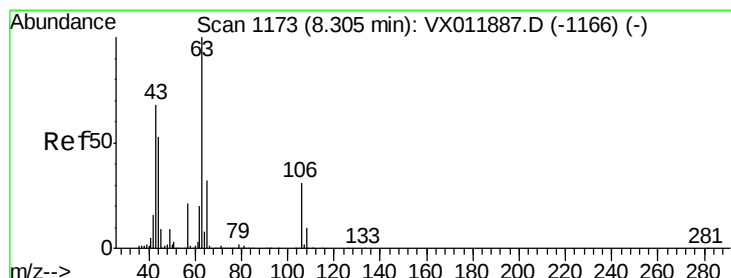
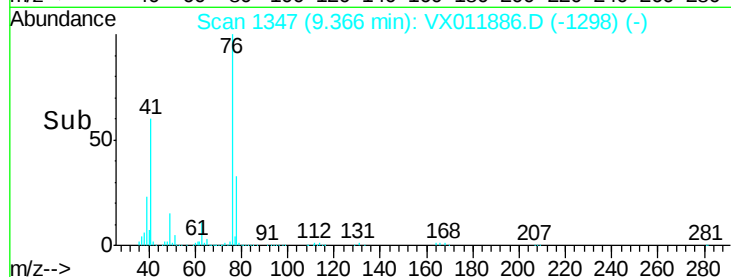
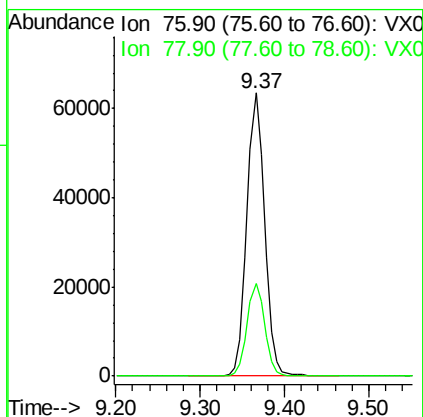
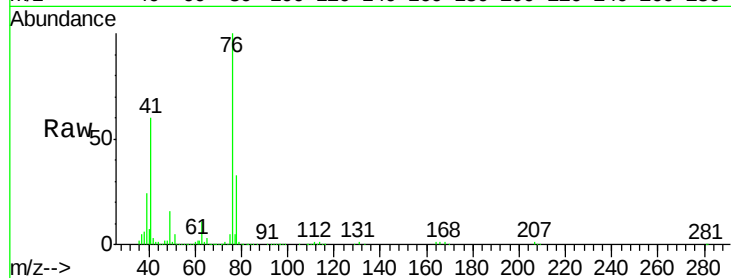
78 32.4 26.4 39.6

Manual Integrations

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MMDadoda

9/3/2019 2:39:17 AM



#58

2-Chloroethyl Vinyl ether

Concen: 228.135 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011886.D

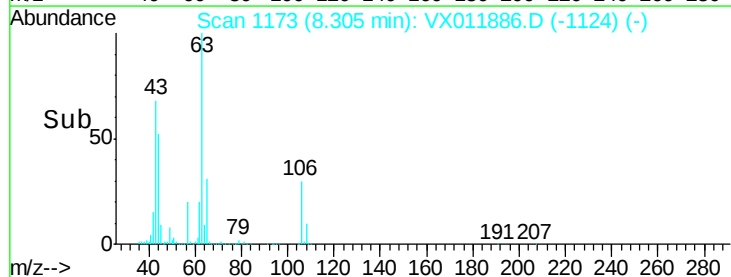
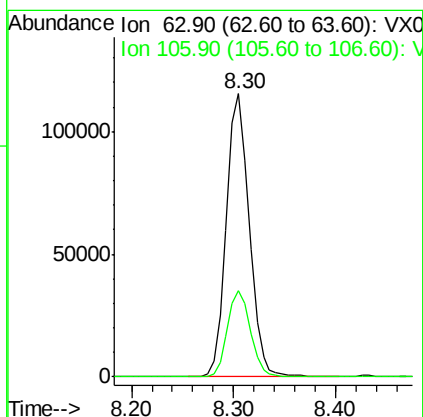
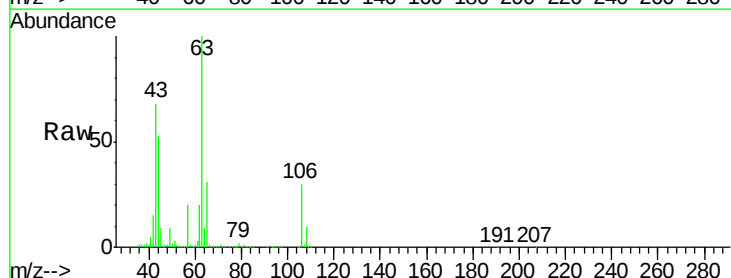
Acq: 29 Aug 2019 21:42

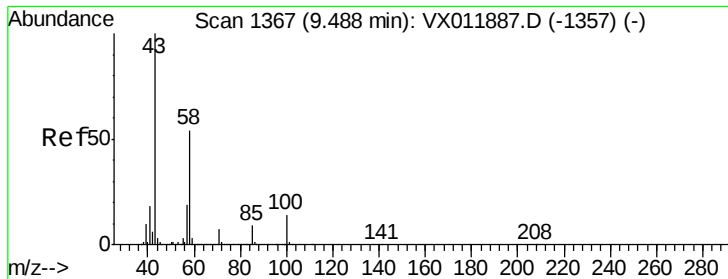
Tgt Ion: 63 Resp: 179295

Ion Ratio Lower Upper

63 100

106 30.5 24.8 37.2





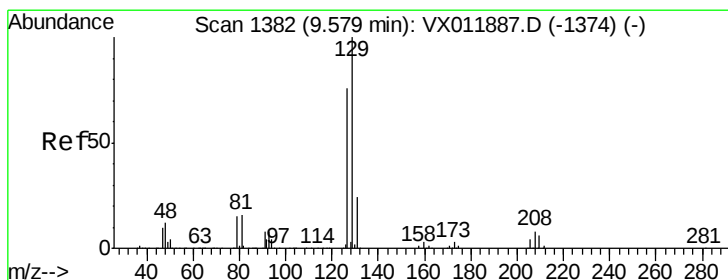
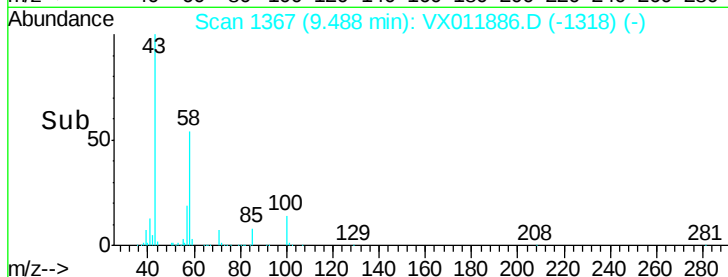
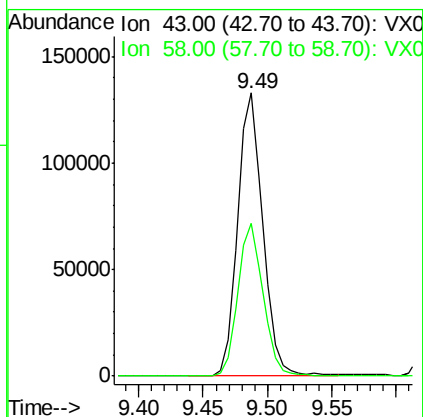
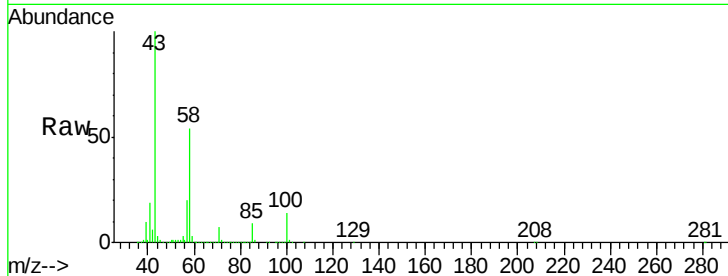
#59
2-Hexanone
Concen: 143.294 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 179216
Ion Ratio Lower Upper
43 100
58 54.2 26.8 80.4

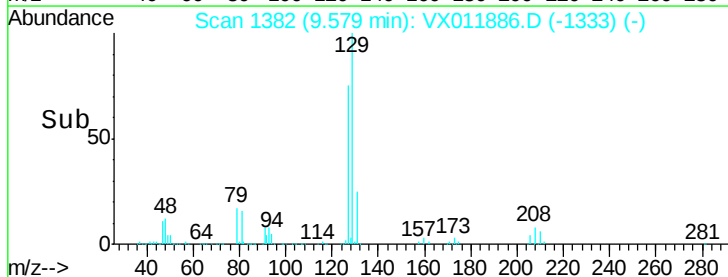
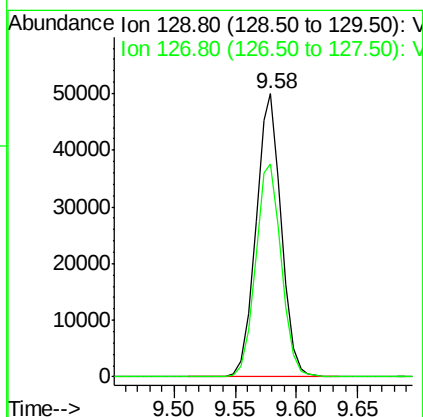
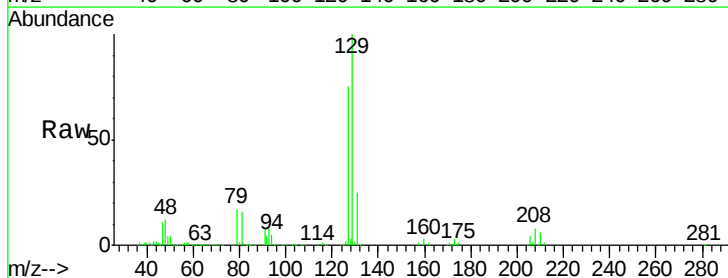
Manual Integrations
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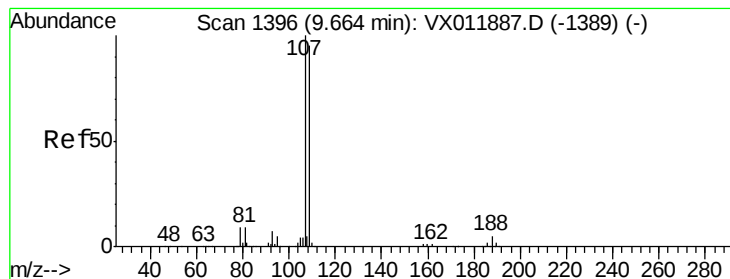
MMDadoda
9/3/2019 2:39:17 AM



#60
Dibromochloromethane
Concen: 23.654 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion: 129 Resp: 71709
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.7





#61

1,2-Dibromoethane

Concen: 24.330 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 53756

Ion Ratio Lower Upper

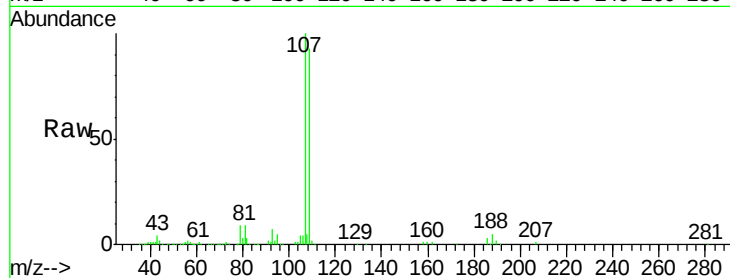
107 100

109 93.1 75.3 112.9

Manual Integrations
APPROVED

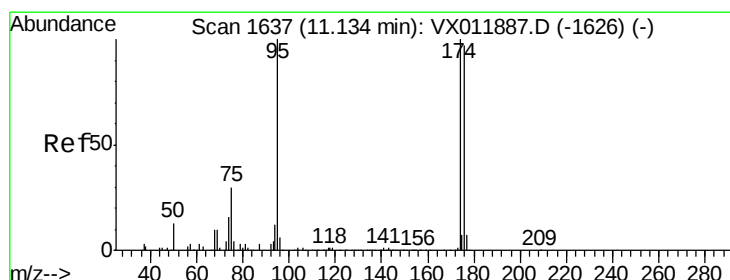
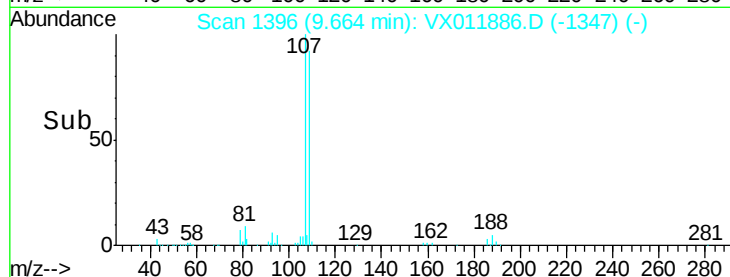
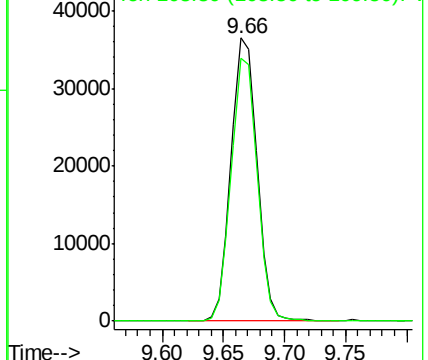
MMDadoda

9/3/2019 2:39:17 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 21.641 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

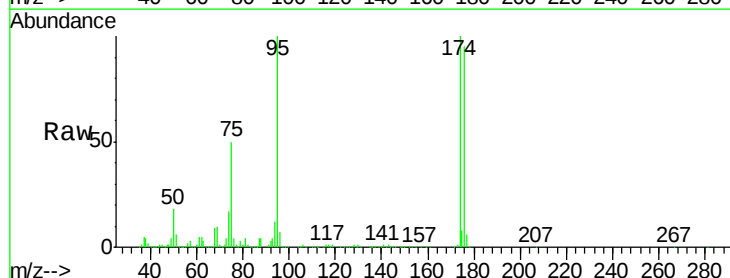
Tgt Ion: 95 Resp: 104106

Ion Ratio Lower Upper

95 100

174 98.1 0.0 196.0

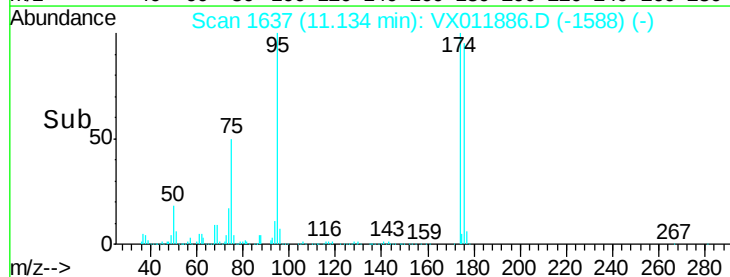
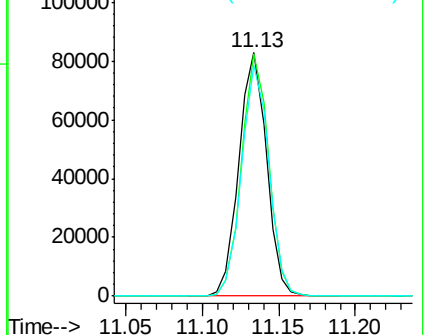
176 94.2 0.0 191.4

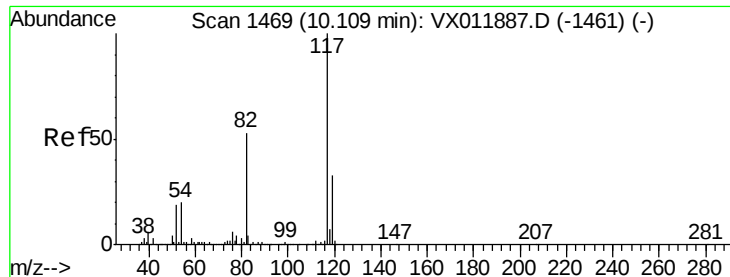


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





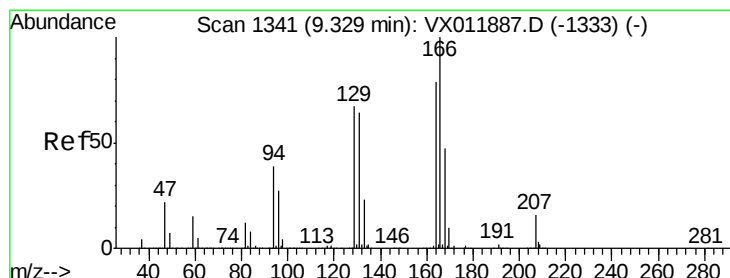
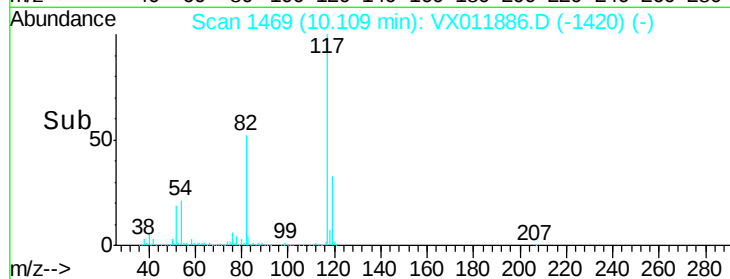
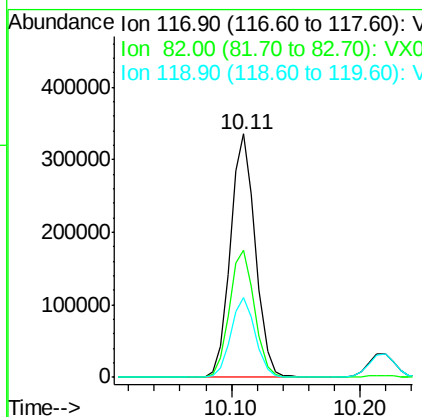
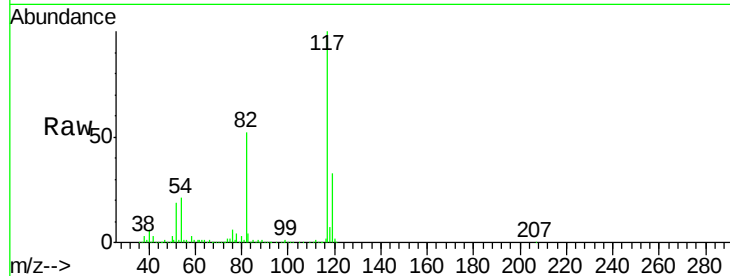
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	454064		
82	52.2	42.0	63.0	
119	32.7	26.2	39.4	

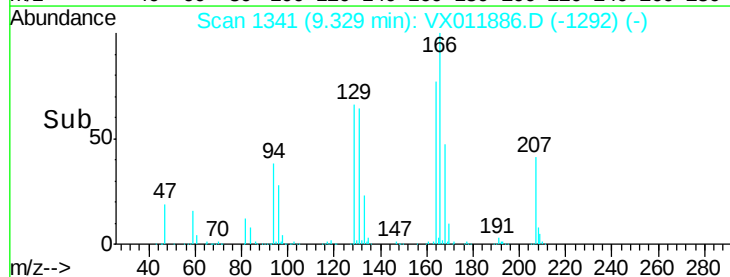
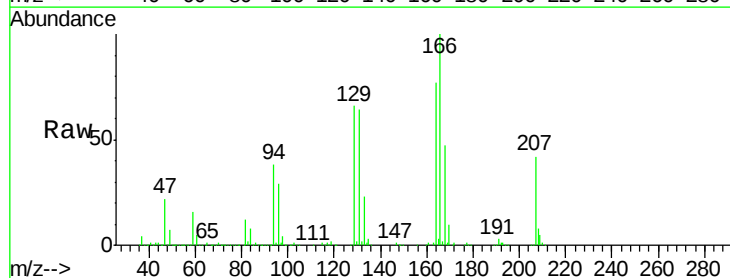
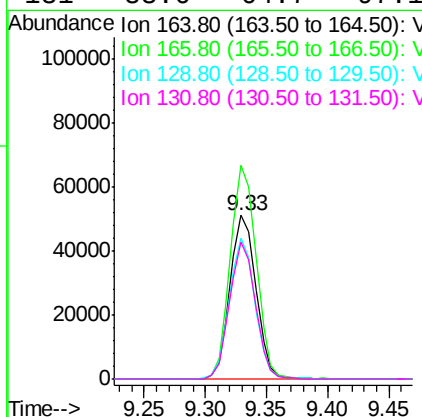
Manual Integrations
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#64
Tetrachloroethene
Concen: 16.609 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75163		
166	130.6	101.4	152.0	
129	85.7	68.0	102.0	
131	83.6	64.7	97.1	





#65

Chlorobenzene

Concen: 21.151 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 181698

Ion Ratio Lower Upper

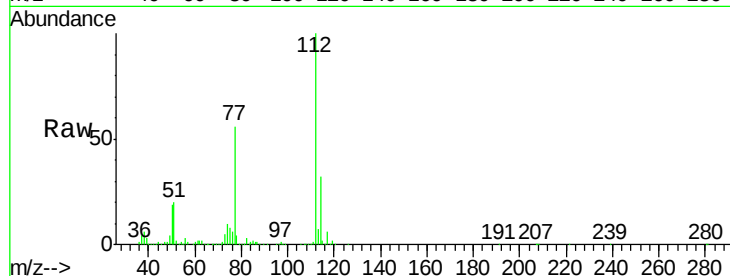
112 100

114 31.9 25.9 38.9

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

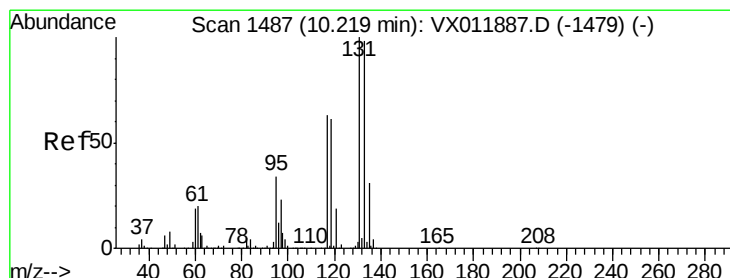
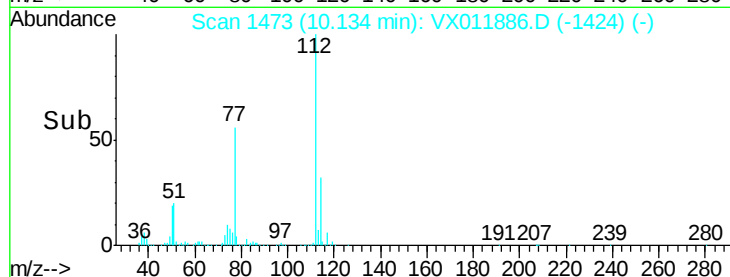
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.541 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

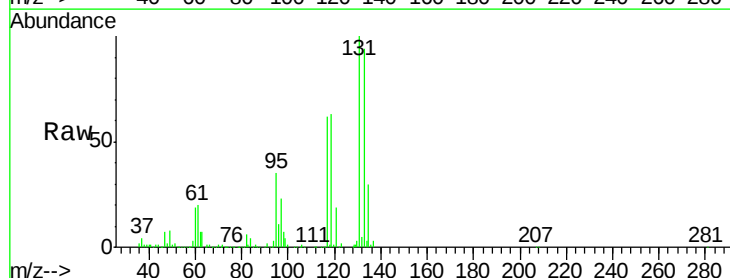
Tgt Ion:131 Resp: 72713

Ion Ratio Lower Upper

131 100

133 97.5 48.4 145.0

119 63.0 30.6 92.0



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

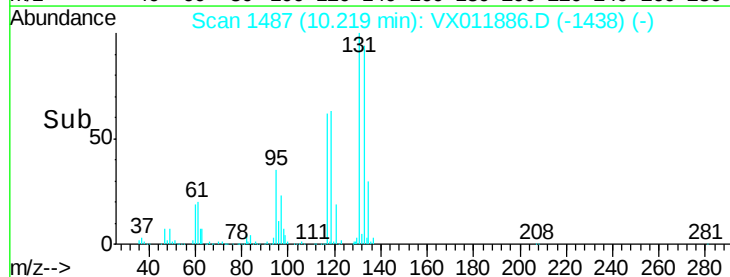
150000

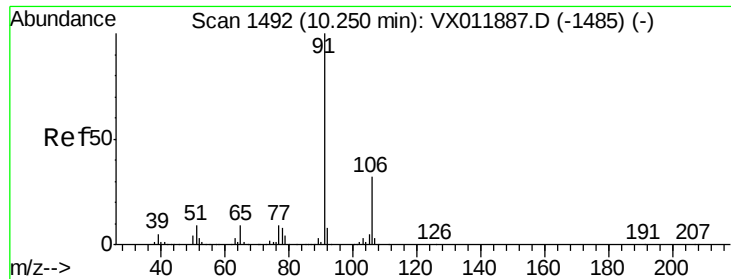
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 21.048 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 309151

Ion Ratio Lower Upper

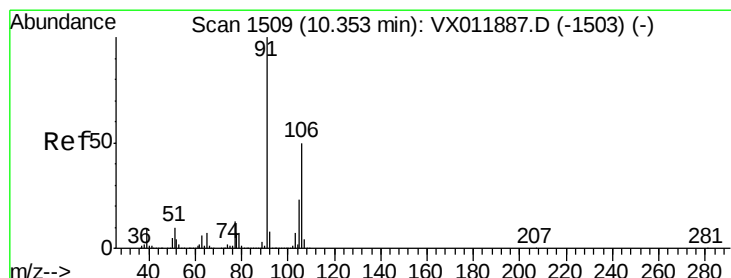
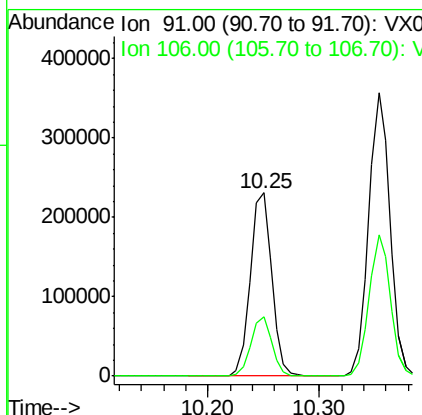
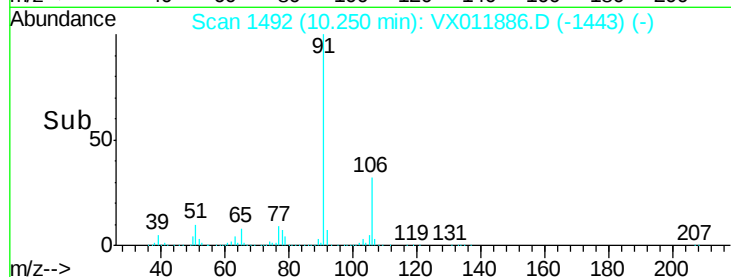
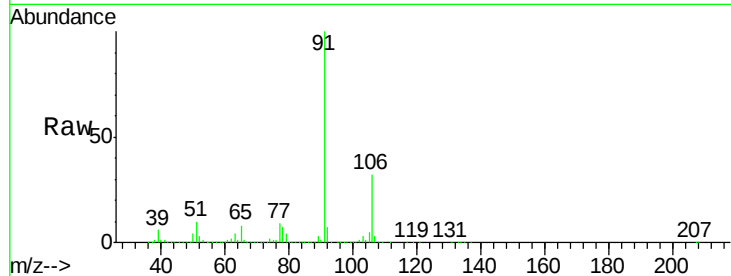
91 100

106 32.4 25.8 38.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 42.193 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011886.D

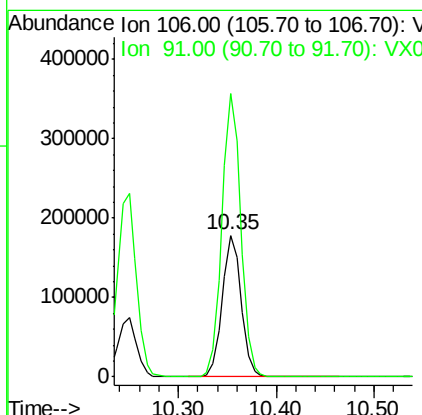
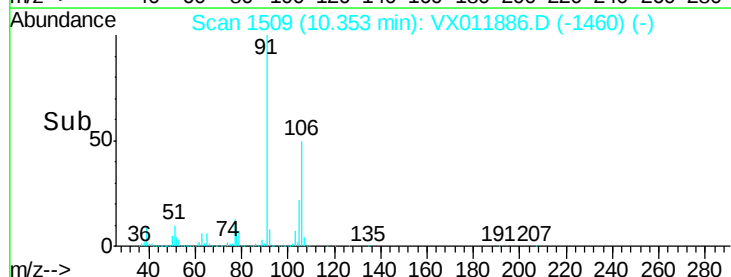
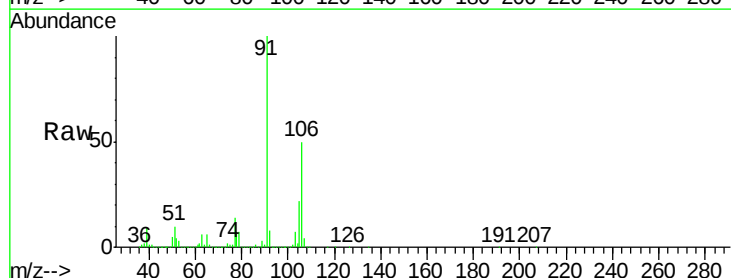
Acq: 29 Aug 2019 21:42

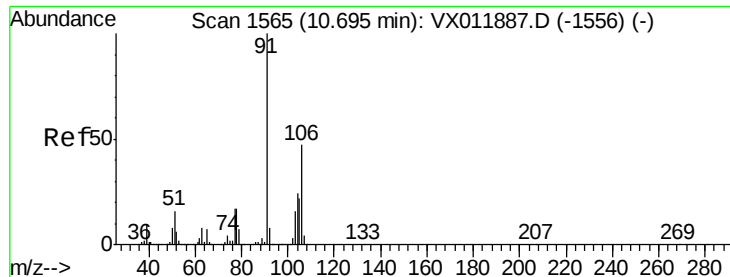
Tgt Ion: 106 Resp: 239390

Ion Ratio Lower Upper

106 100

91 199.3 158.6 237.8





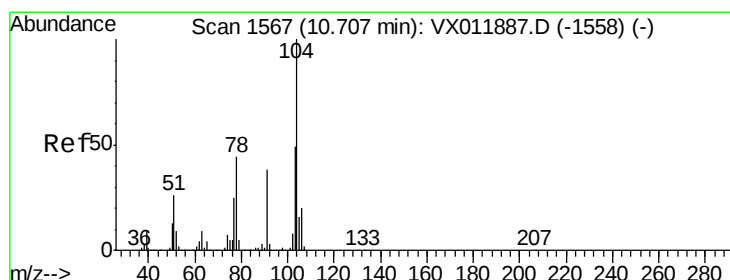
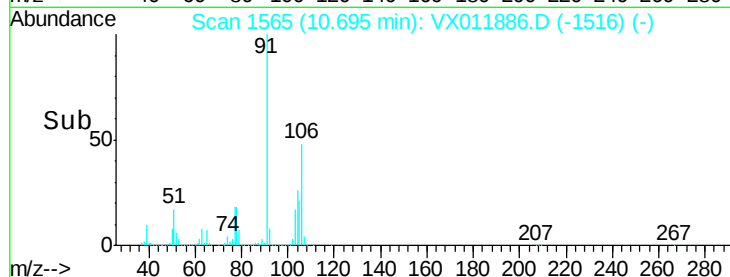
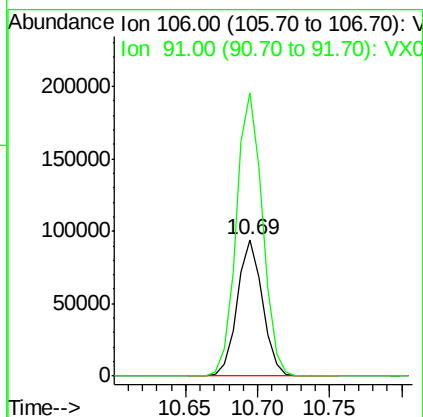
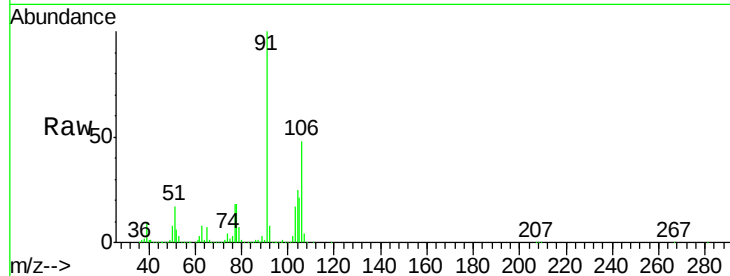
#69
o-Xylene
Concen: 21.201 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
106	100	115400		
91	213.7	104.8	314.6	

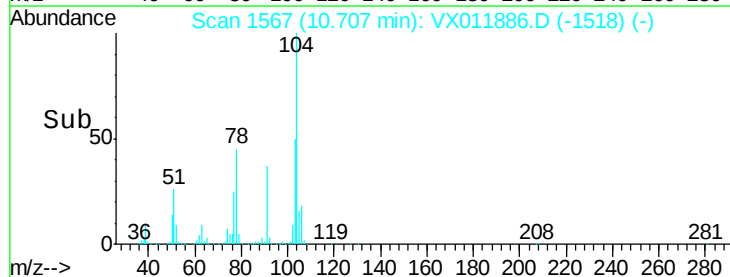
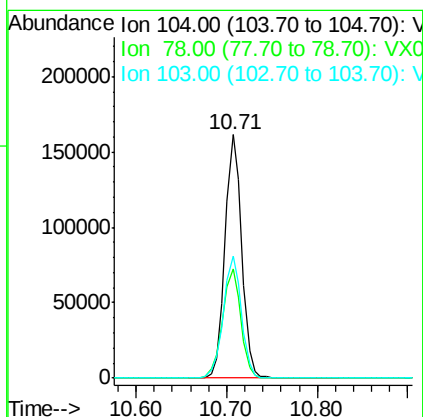
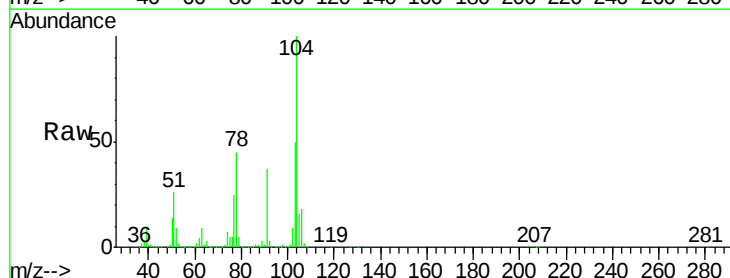
Manual Integrations
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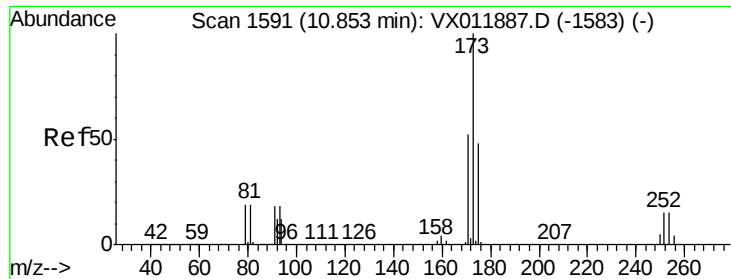
MMDadoda
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#70
Styrene
Concen: 23.207 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	207014		
78	49.3	39.2	58.8	
103	54.4	43.0	64.6	





#71

Bromoform

Concen: 24.457 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:173 Resp: 51273

Ion Ratio Lower Upper

173 100

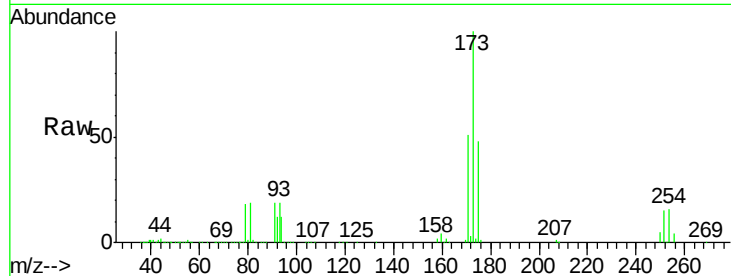
175 49.4 24.4 73.2

254 0.1 0.1 0.1#

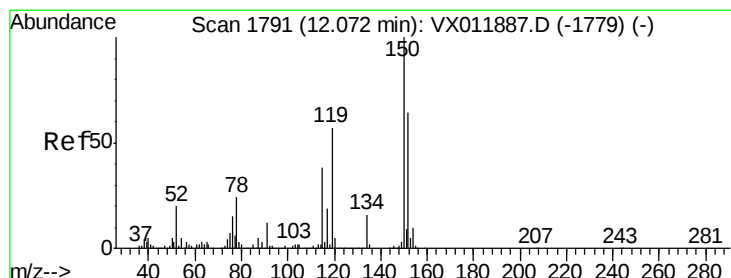
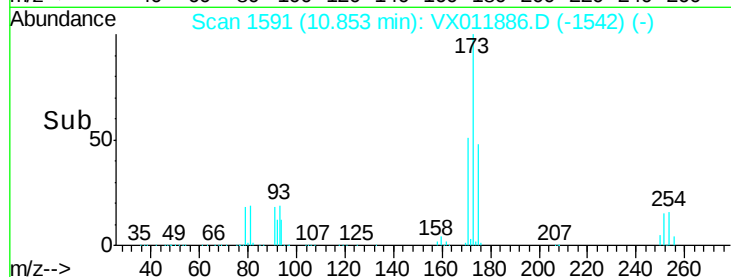
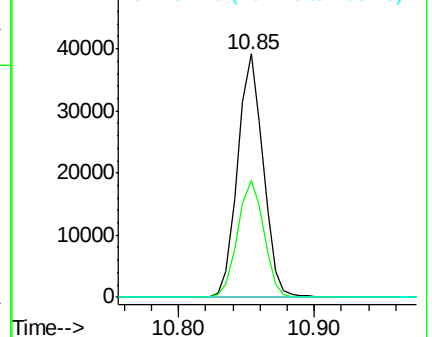
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

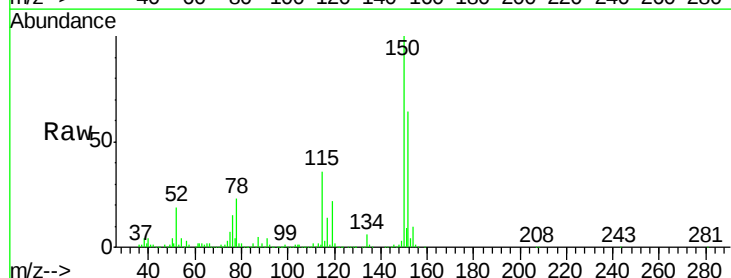
Tgt Ion:152 Resp: 269352

Ion Ratio Lower Upper

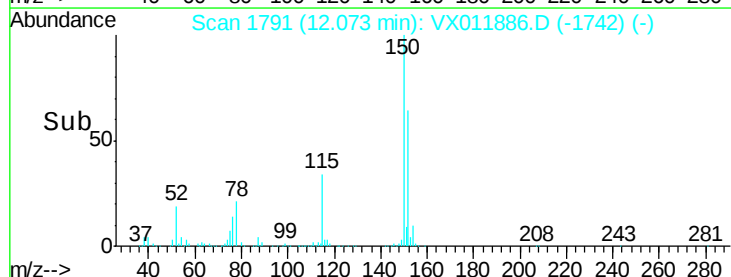
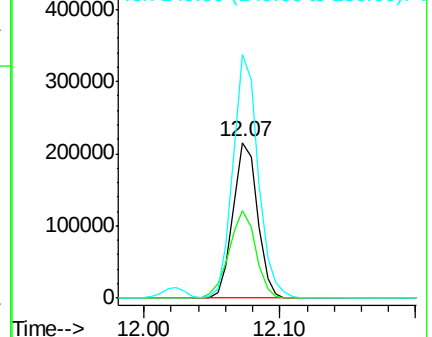
152 100

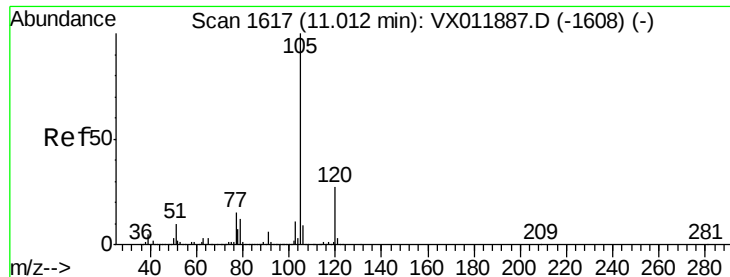
115 61.9 37.1 111.3

150 160.5 0.0 339.6



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: 20.013 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 315976

Ion Ratio Lower Upper

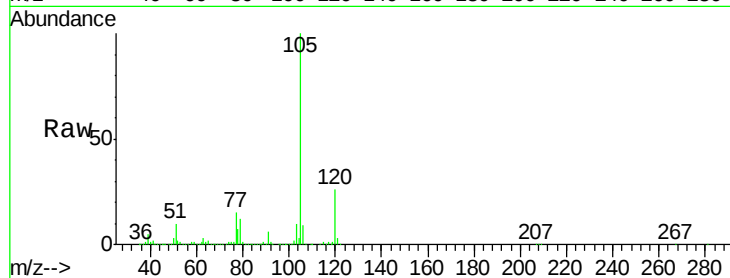
105 100

120 27.2 13.8 41.4

Manual Integrations
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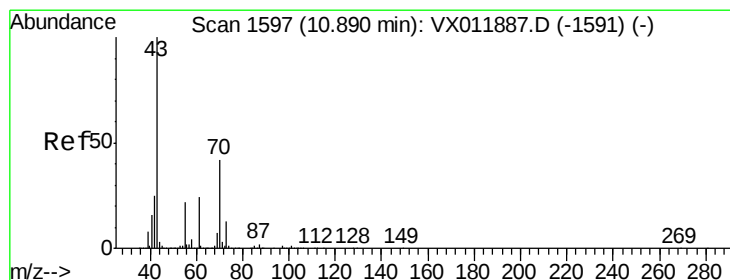
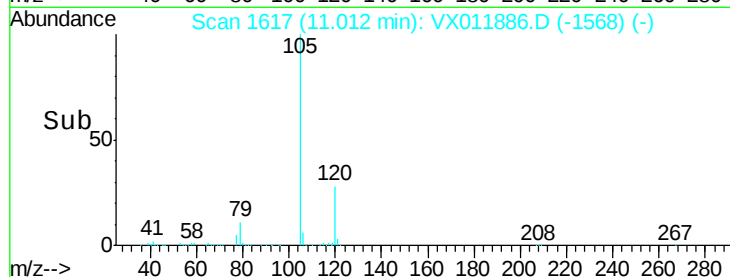
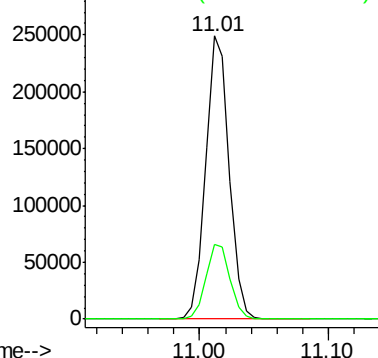
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 24.814 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Tgt Ion: 43 Resp: 96287

Ion Ratio Lower Upper

43 100

70 41.0 0.2 0.2#

55 22.5 0.1 0.1#

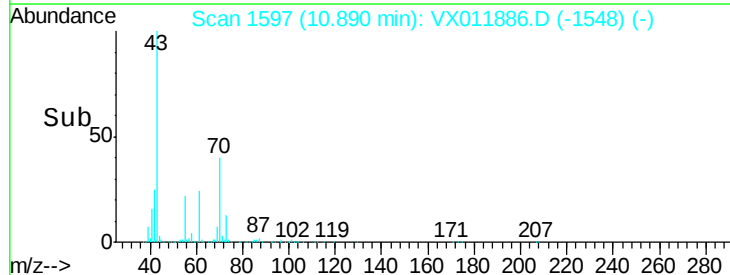
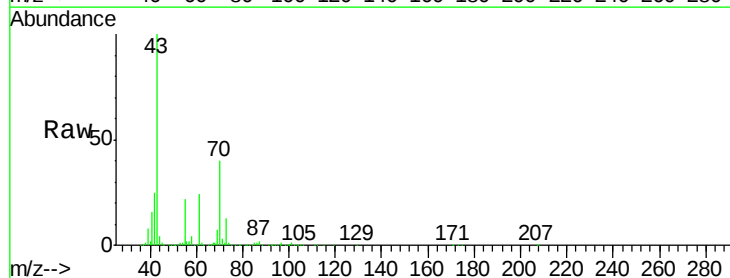
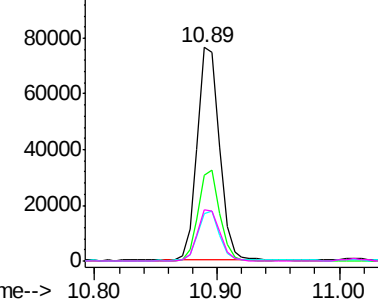
61 24.4 16.4 24.6

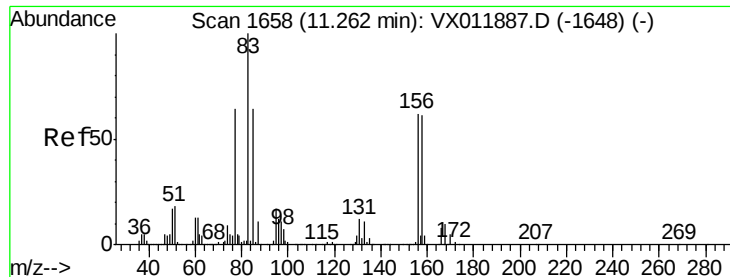
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 25.388 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 66372

Ion Ratio Lower Upper

83 100

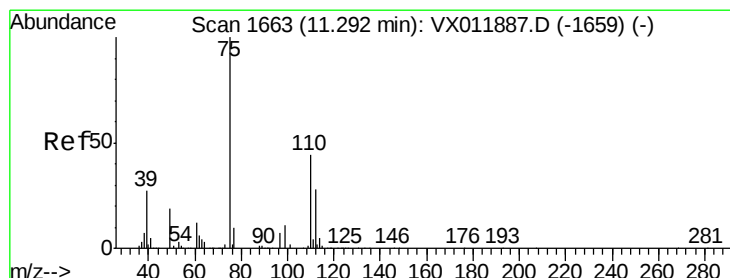
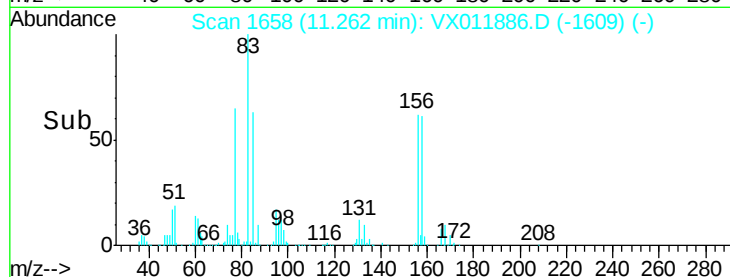
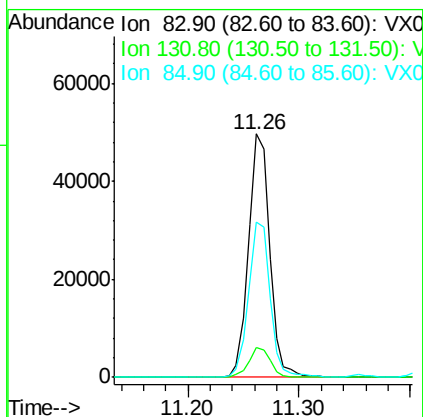
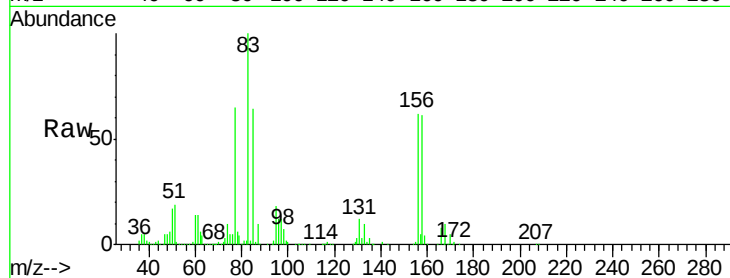
131 12.1 6.0 18.0

85 64.1 31.9 95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 26.808 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011886.D

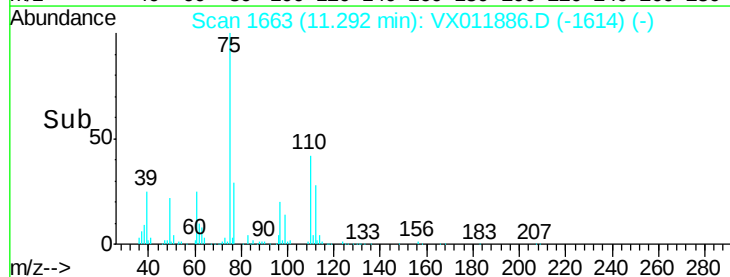
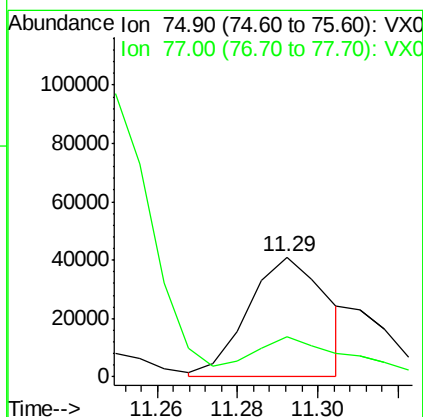
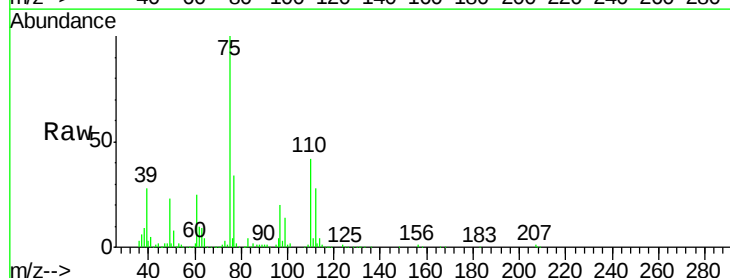
Acq: 29 Aug 2019 21:42

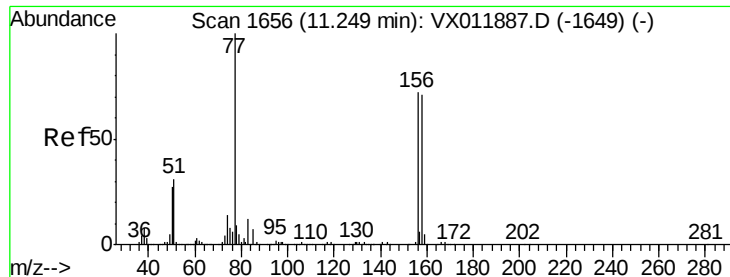
Tgt Ion: 75 Resp: 55510

Ion Ratio Lower Upper

75 100

77 41.0 20.9 62.7





#77

Bromobenzene

Concen: 20.453 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

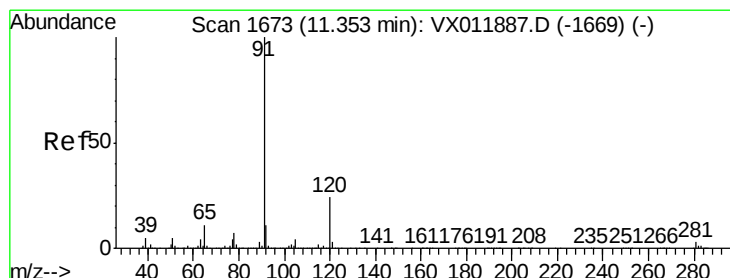
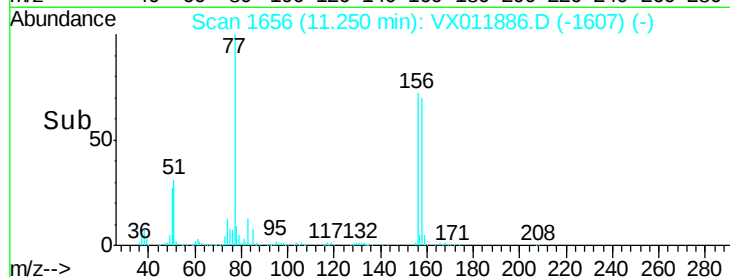
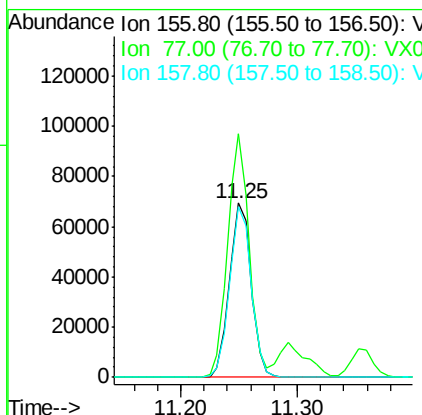
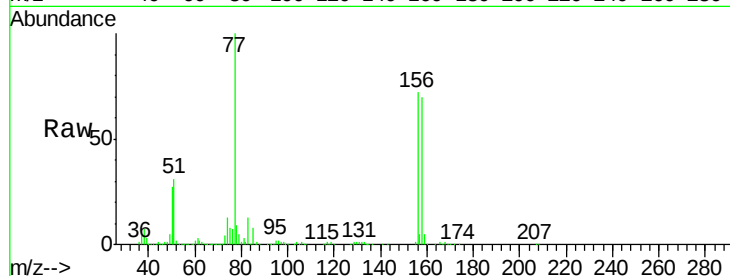
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	90729
Ion	Ratio	Lower	Upper
156	100		
77	136.0	68.1	204.3
158	97.6	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.225 ug/l

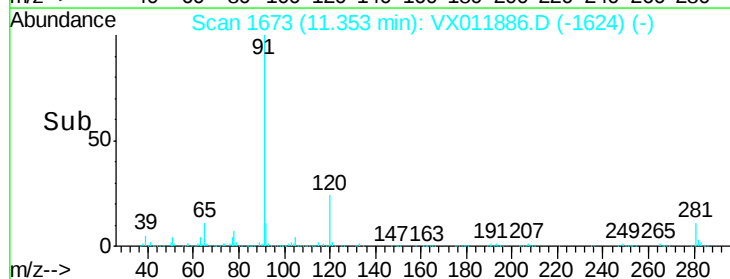
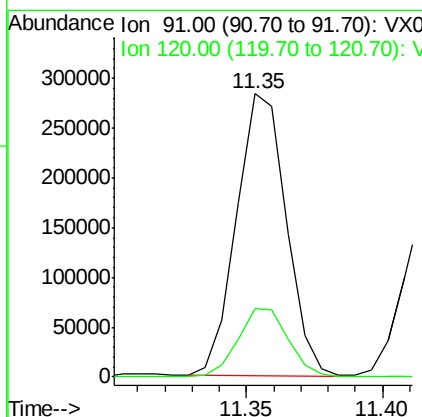
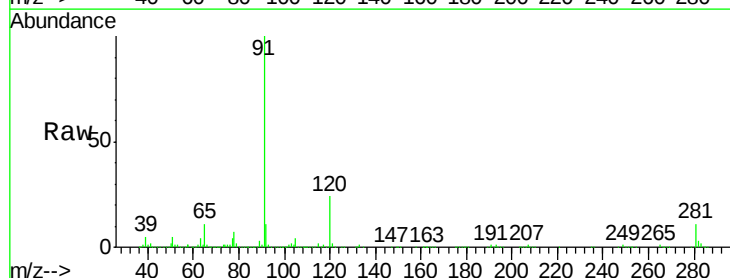
RT: 11.35 min Scan# 1673

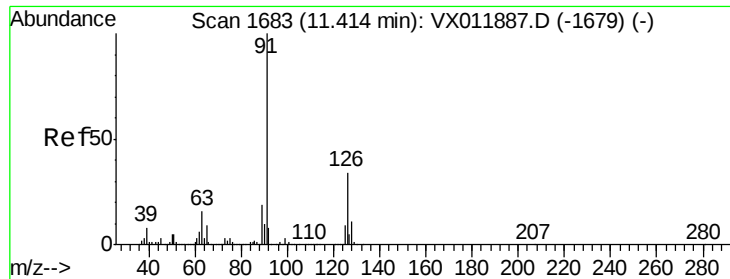
Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Tgt Ion:	91	Resp:	359833
Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.3	36.9





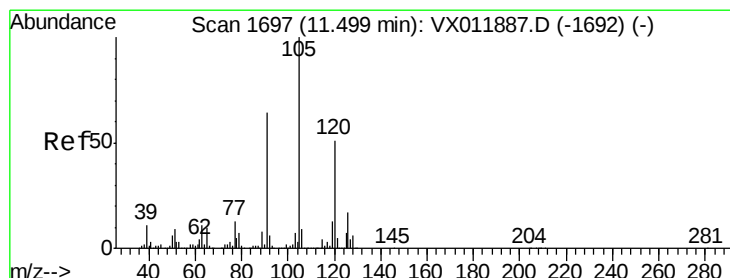
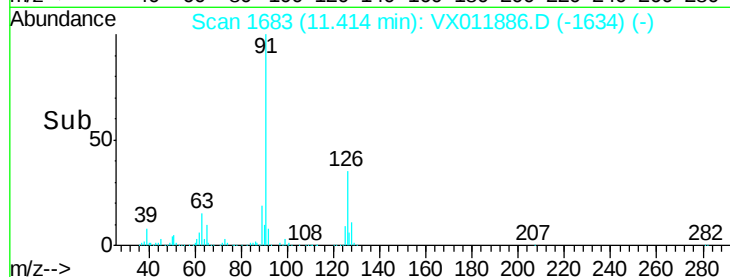
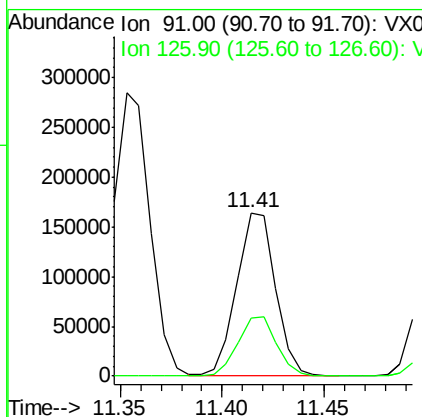
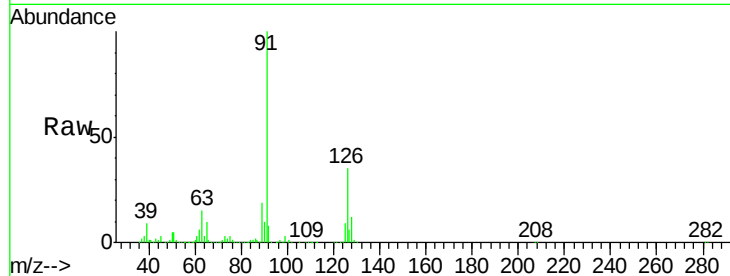
#79
2-Chlorotoluene
Concen: 19.968 ug/l
RT: 11.41 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 214463
Ion Ratio Lower Upper
91 100
126 36.6 17.9 53.8

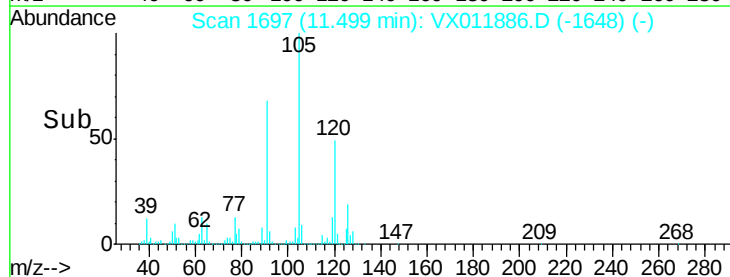
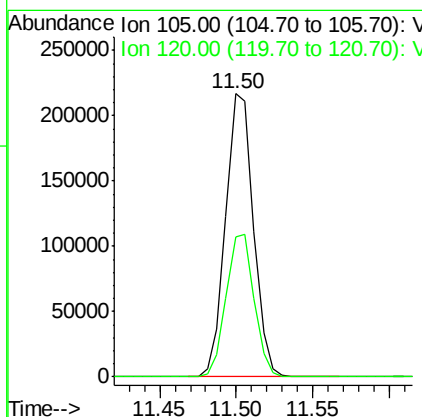
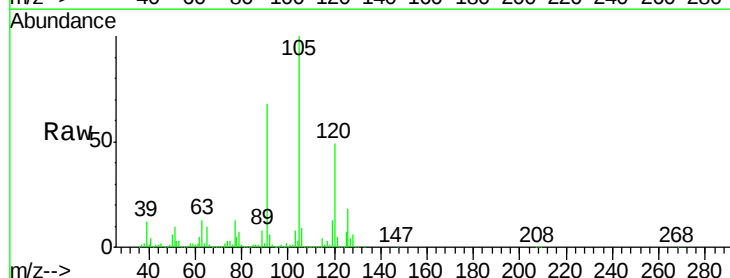
Manual Integrations
APPROVED

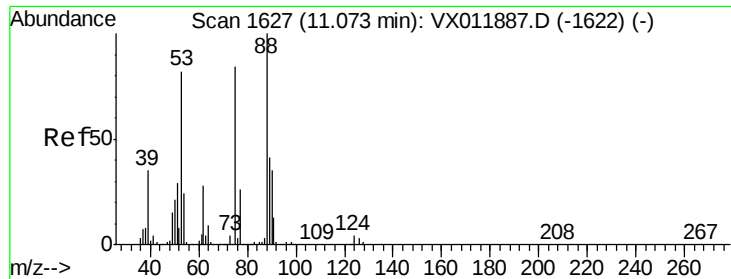
MMDadoda
9/3/2019 2:39:17 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.524 ug/l
RT: 11.50 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion: 105 Resp: 273274
Ion Ratio Lower Upper
105 100
120 50.8 25.3 75.9





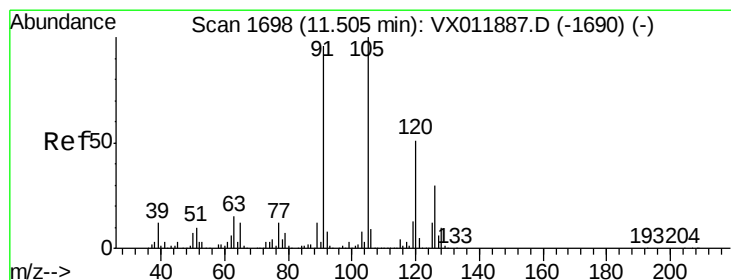
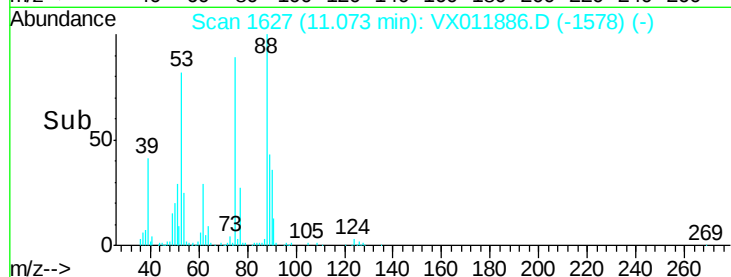
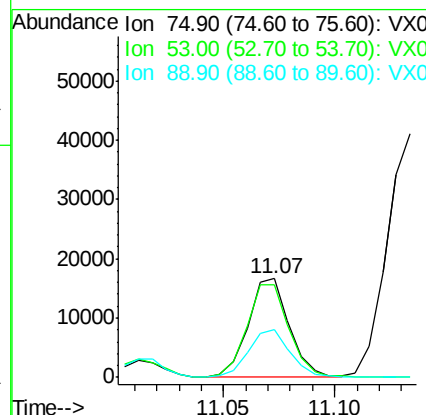
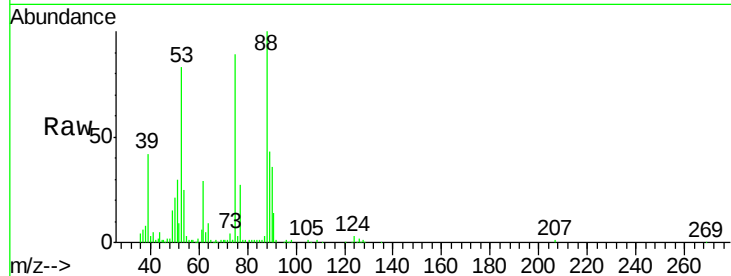
#81
trans-1,4-Dichloro-2-butene
Concen: 37.615 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.7	77.1	115.7
89	48.5	38.2	57.2

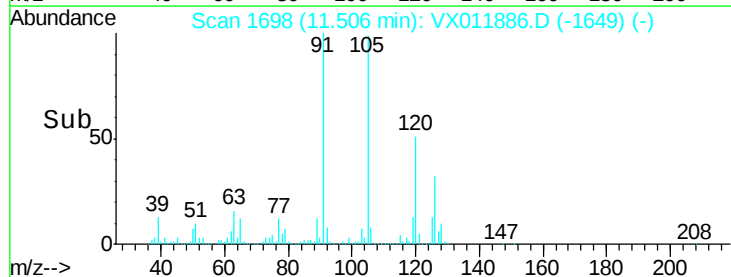
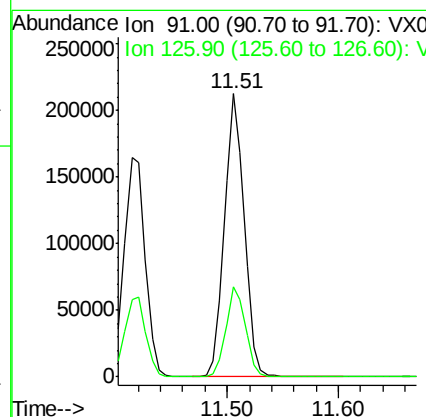
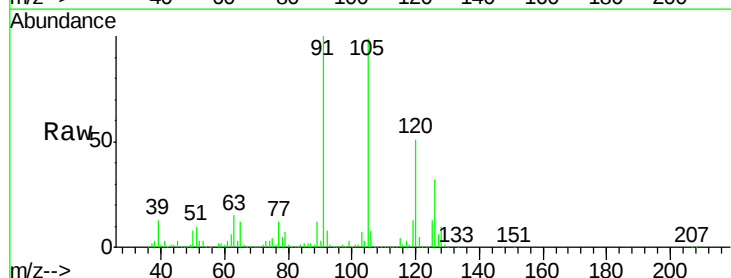
Manual Integrations
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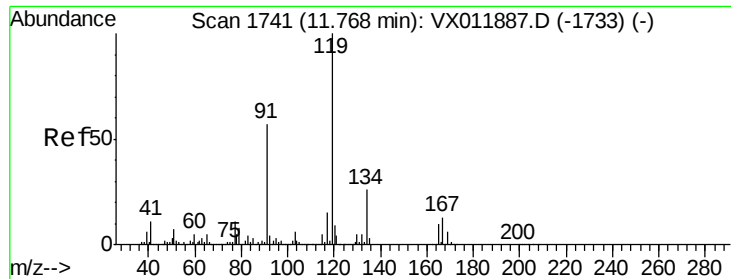
MMDadoda
9/3/2019 2:39:17 AM



#82
4-Chlorotoluene
Concen: 20.337 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.6





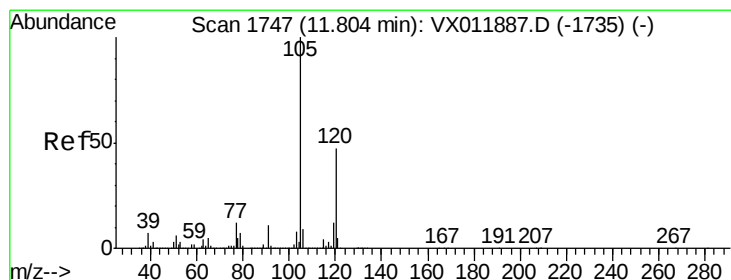
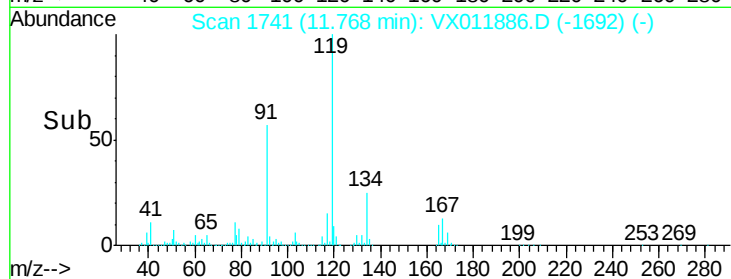
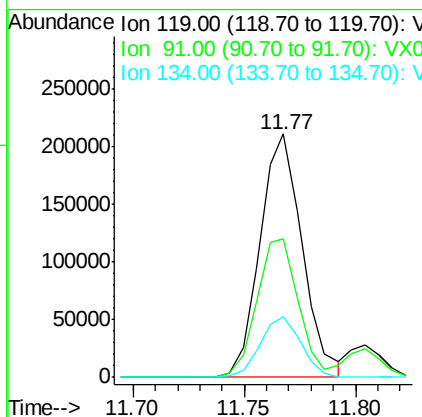
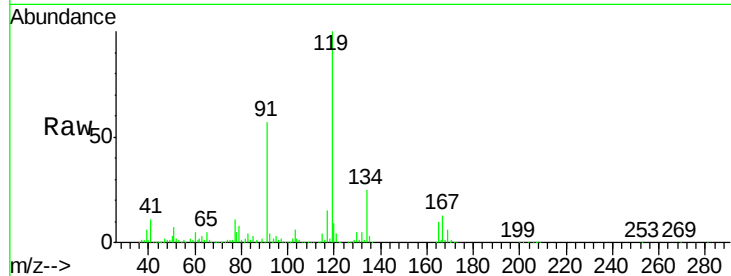
#83
tert-Butylbenzene
Concen: 21.457 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	277002		
91	55.8	27.9	83.6	
134	24.0	12.3	36.8	

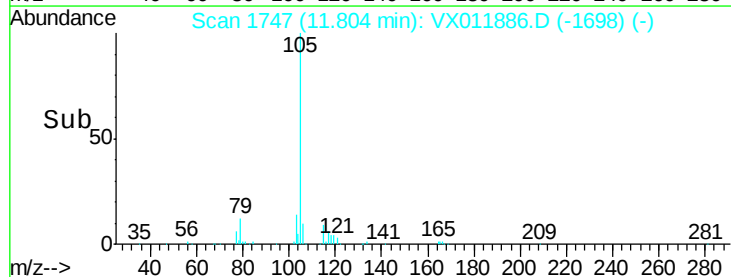
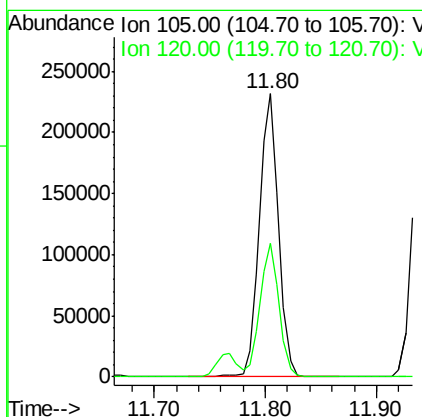
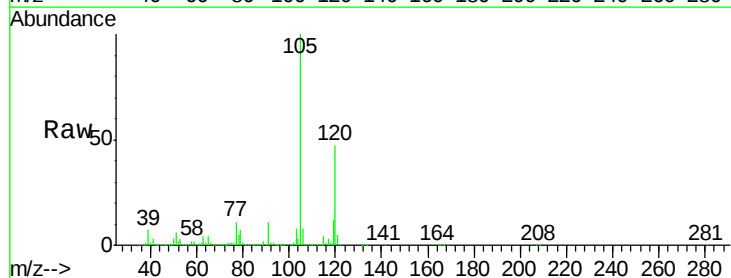
Manual Integrations
APPROVED

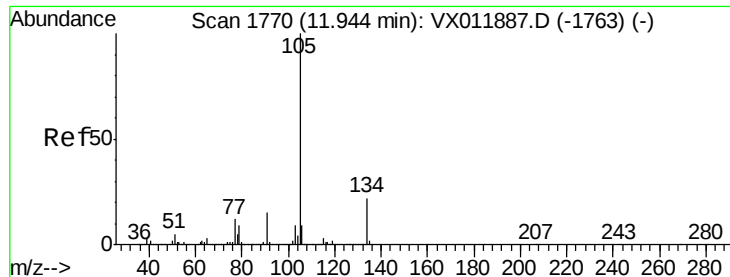
MMDadoda
9/3/2019 2:39:17 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.066 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	279214		
120	46.8	23.4	70.3	





#85

sec-Butylbenzene

Concen: 20.706 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 321501

Ion Ratio Lower Upper

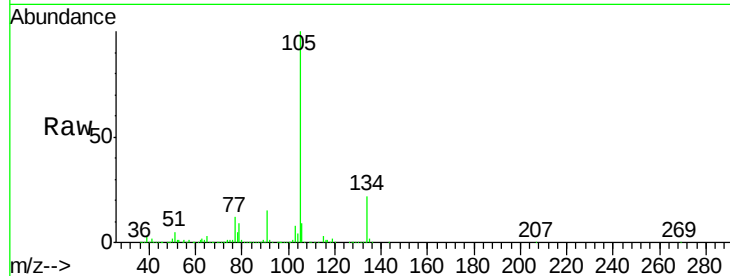
105 100

134 21.9 10.9 32.7

Manual Integrations
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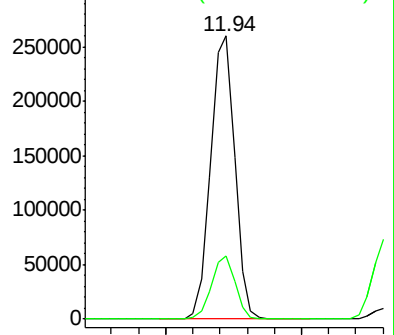
MMDadoda

9/3/2019 2:39:17 AM

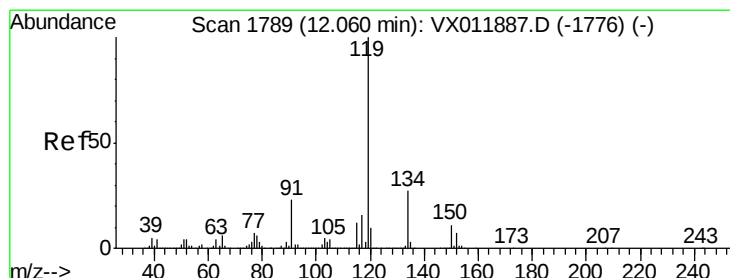
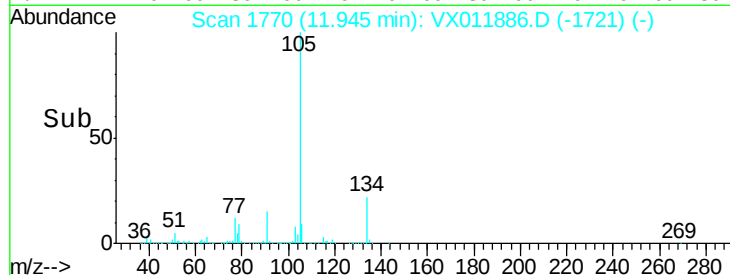


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 21.601 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

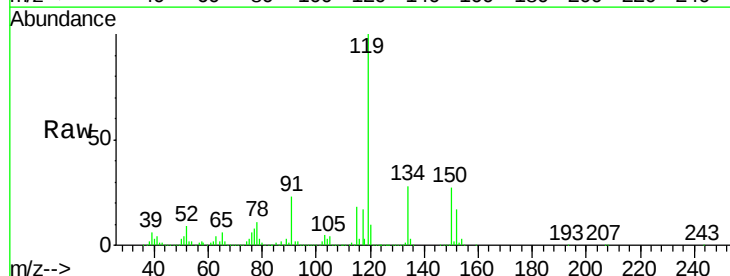
Tgt Ion:119 Resp: 312846

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

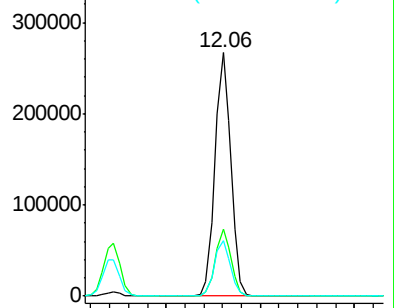
91 23.0 11.6 34.7



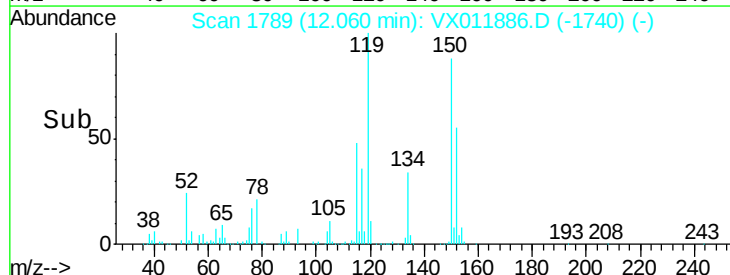
Abundance Ion 119.00 (118.70 to 119.70): V

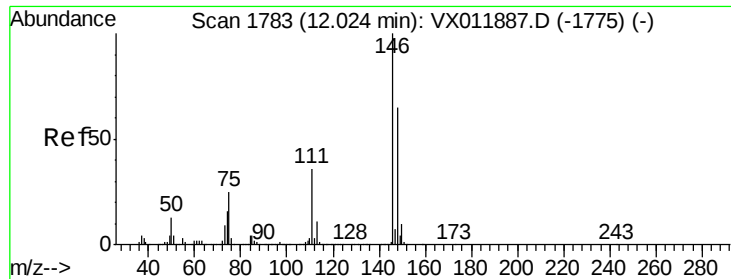
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0



Time-->





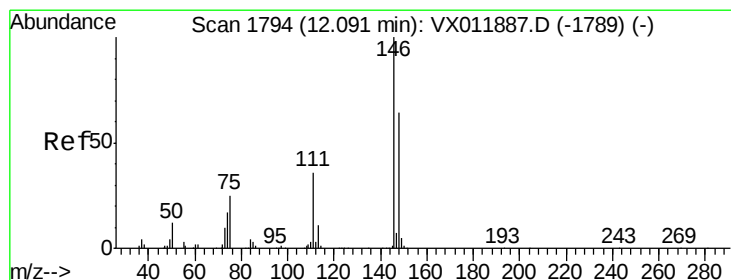
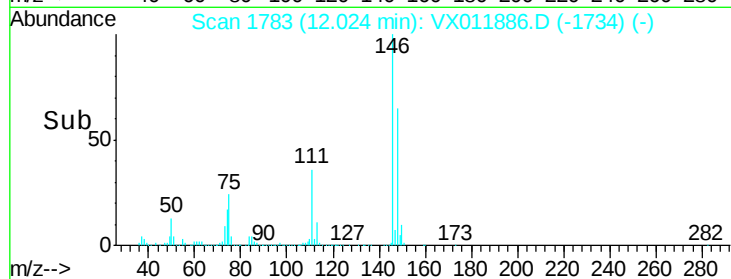
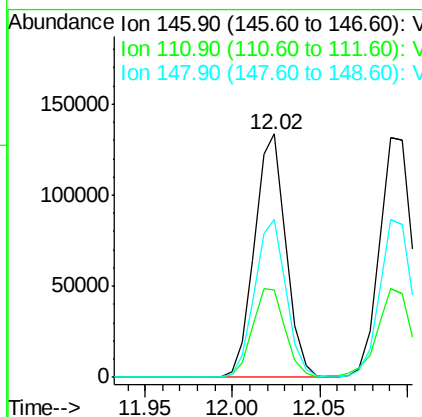
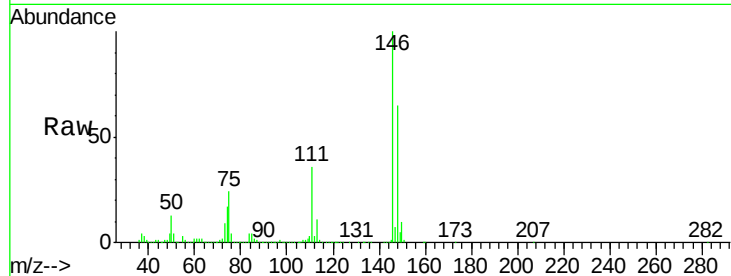
#87
 1,3-Dichlorobenzene
 Concen: 20.414 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011886.D
 Acq: 29 Aug 2019 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.4	55.2
148	64.9	32.1	96.5

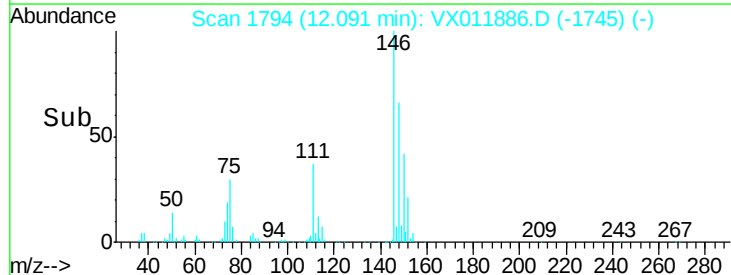
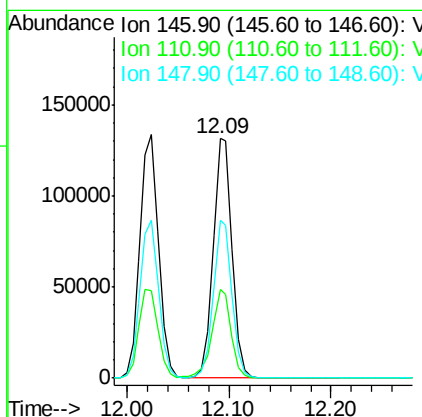
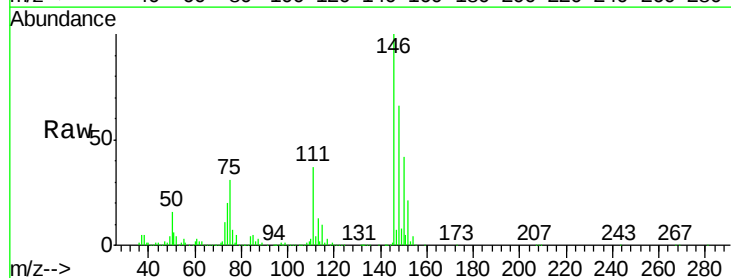
Manual Integrations
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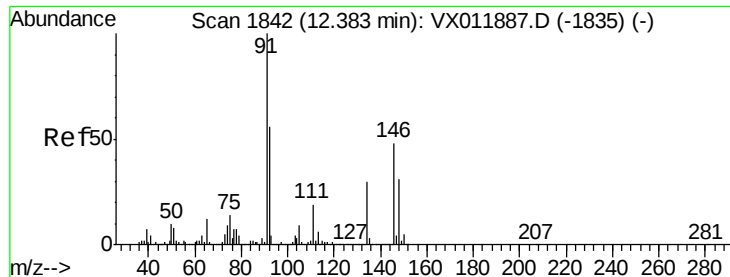
MMDadoda
 9/3/2019 2:39:17 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.880 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. 0.00 min
 Lab File: VX011886.D
 Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.9	53.7
148	65.0	32.4	97.0





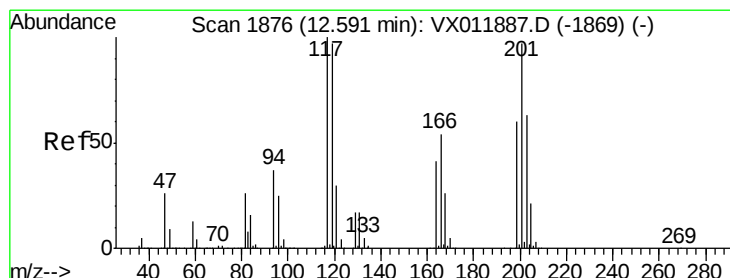
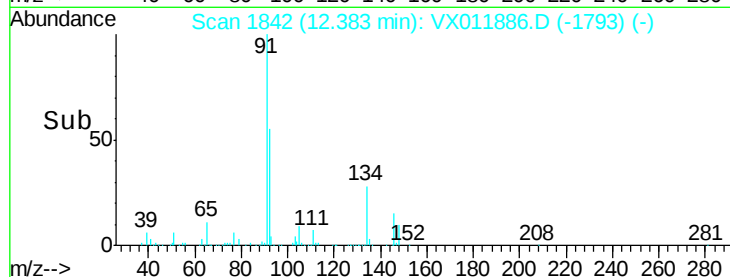
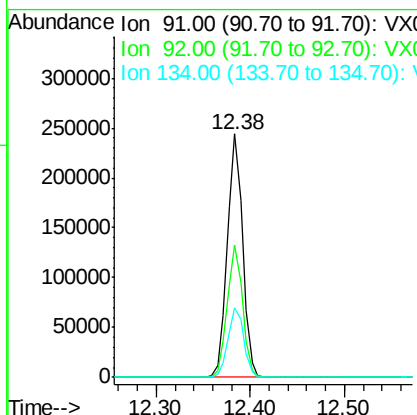
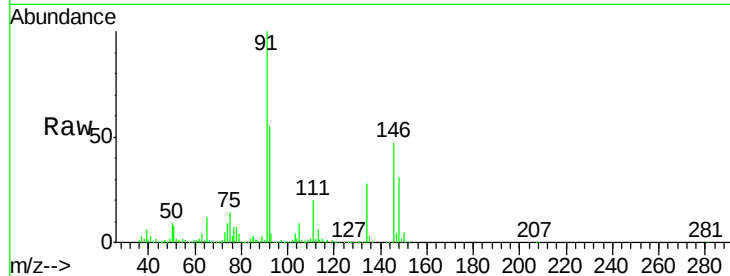
#89
n-Butylbenzene
Concen: 21.714 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.8
134	29.3	14.8	44.3

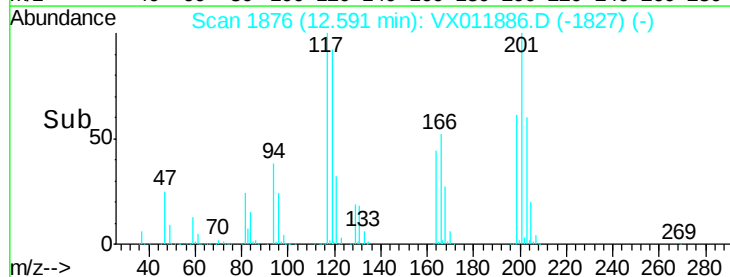
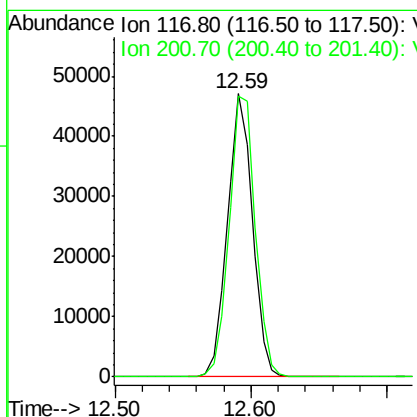
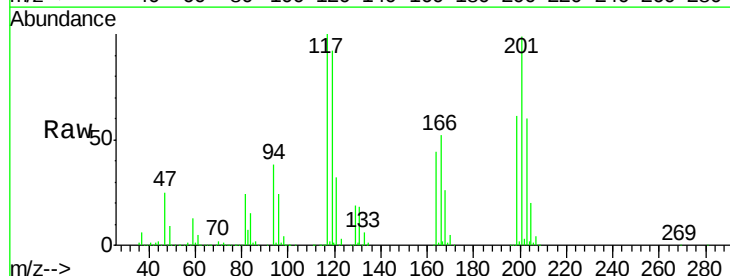
Manual Integrations
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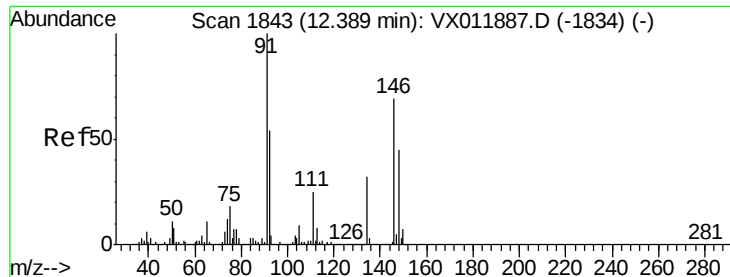
MMDadoda
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#90
Hexachloroethane
Concen: 30.184 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.4	52.8	158.5





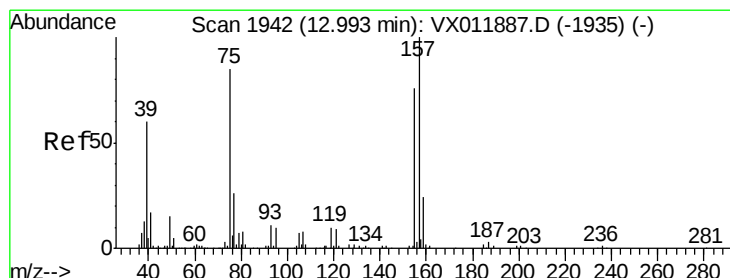
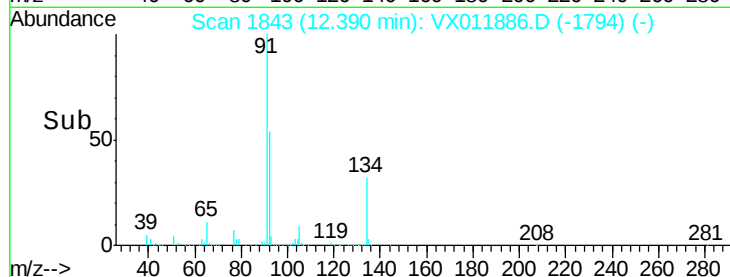
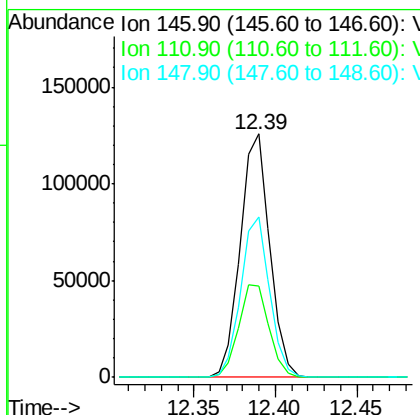
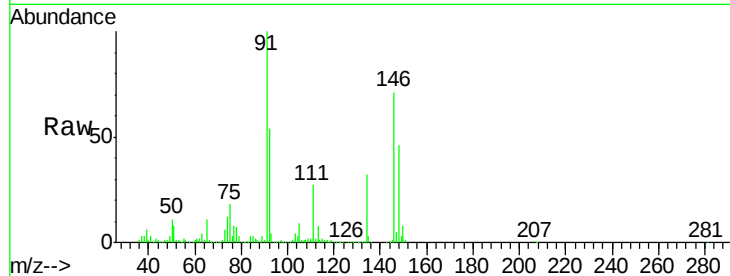
#91
 1,2-Dichlorobenzene
 Concen: 21.166 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011886.D
 Acq: 29 Aug 2019 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	158823		
111	39.2	18.9	56.5	
148	64.5	32.1	96.3	

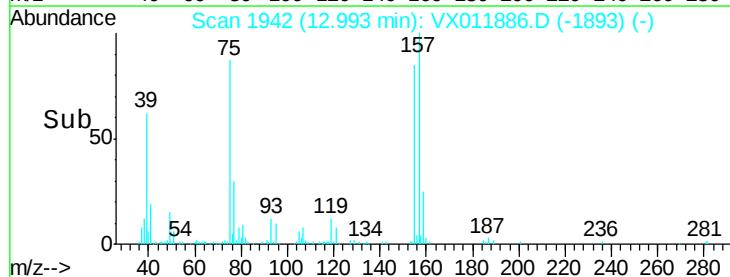
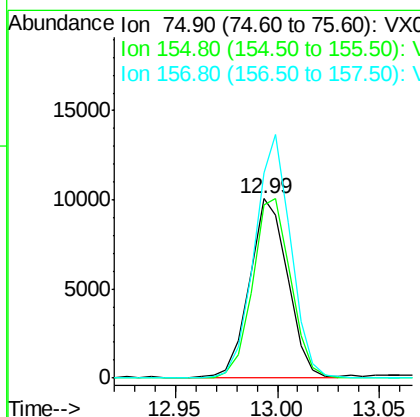
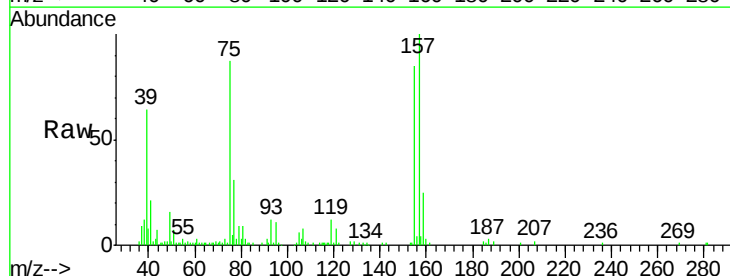
Manual Integrations
 APPROVED

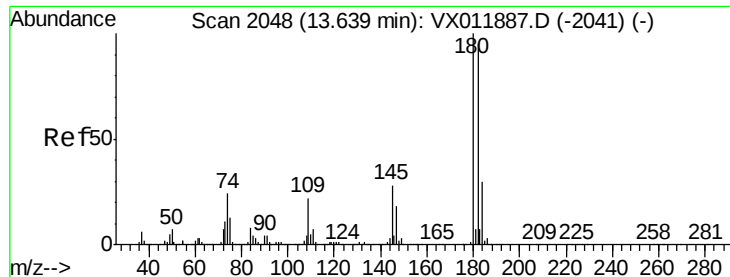
MMDadoda
 9/3/2019 2:39:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 32.024 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VX011886.D
 Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13122		
155	99.6	50.1	150.4	
157	128.5	63.9	191.7	





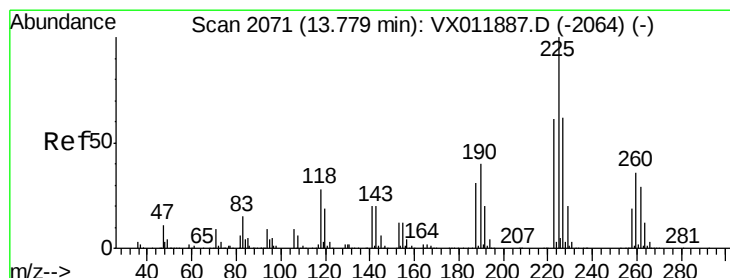
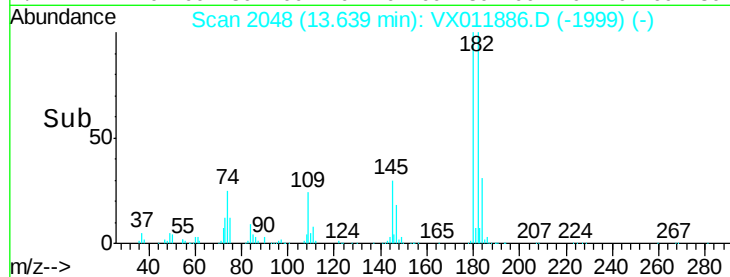
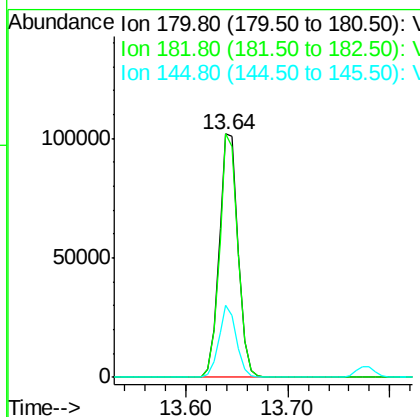
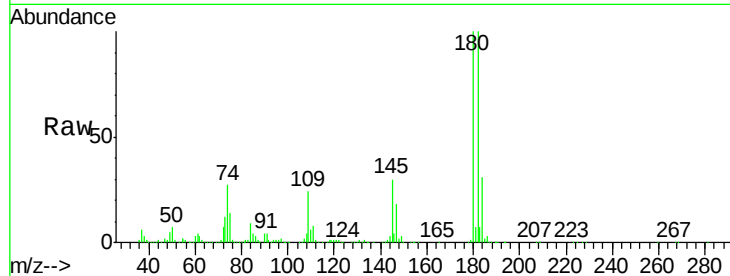
#93
1,2,4-Trichlorobenzene
Concen: 21.923 ug/l
RT: 13.64 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132022		
182	97.0	48.1	144.4	
145	27.6	13.8	41.3	

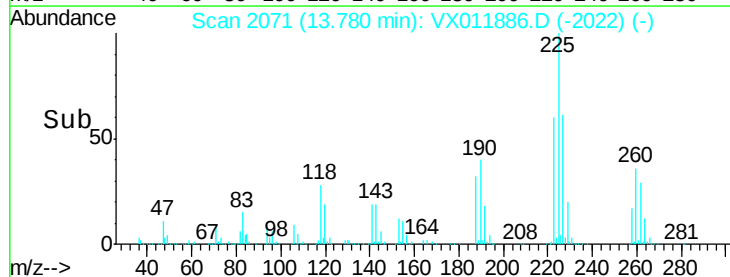
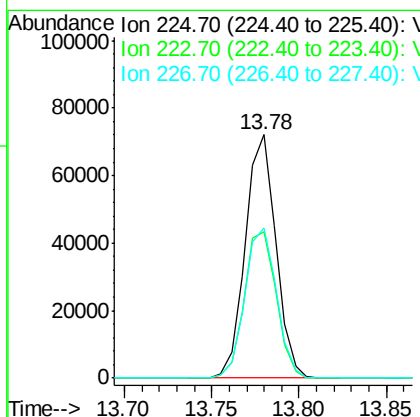
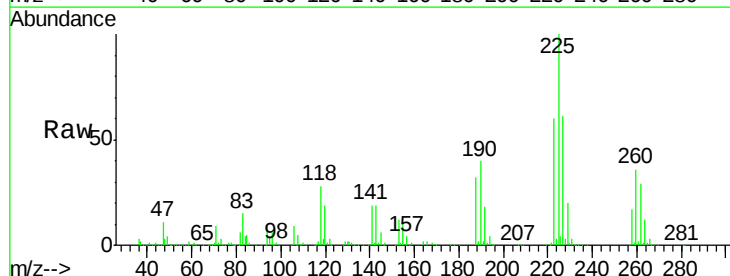
Manual Integrations
APPROVED

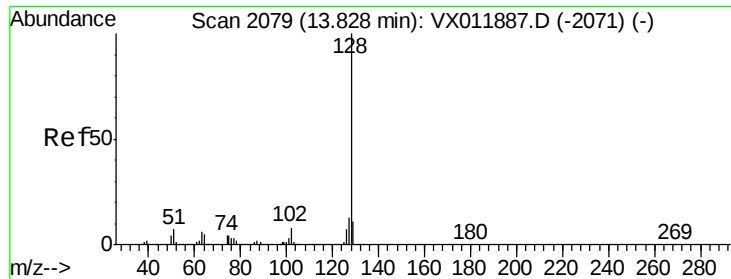
MMDadoda
9/3/2019 2:39:17 AM



#94
Hexachlorobutadiene
Concen: 22.148 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX011886.D
Acq: 29 Aug 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87871		
223	62.6	30.8	92.3	
227	63.3	31.9	95.7	





#95

Naphthalene

Concen: 25.884 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Instrument :

MSVOA_X

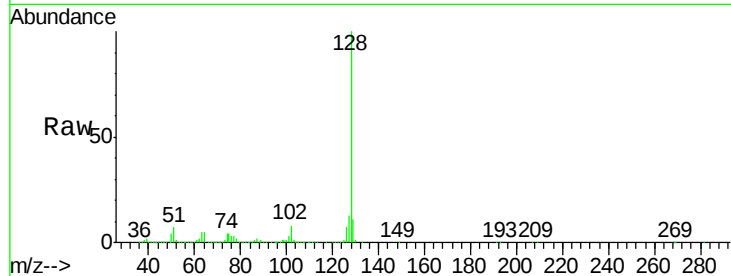
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	230900
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.1	8.8	13.2

Manual Integrations
APPROVED

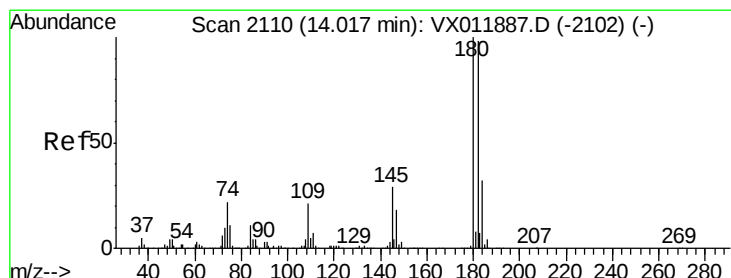
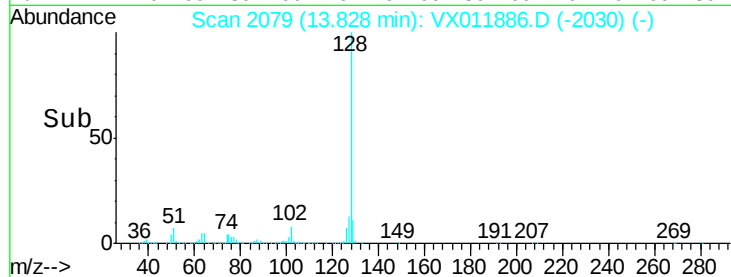
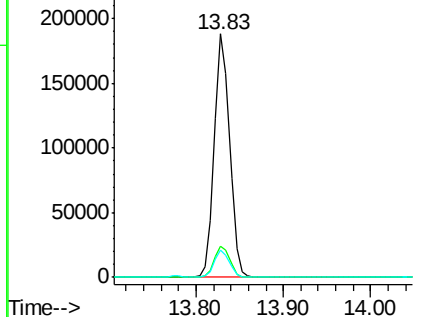
MMDadoda
9/3/2019 2:39:17 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.836 ug/l

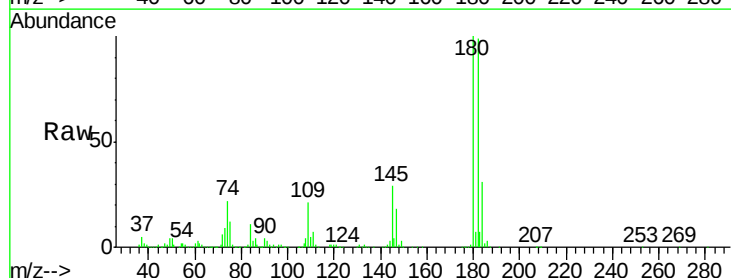
RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011886.D

Acq: 29 Aug 2019 21:42

Tgt Ion:	180	Resp:	120228
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.3	144.8
145	29.1	14.6	43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

