

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO082919\
 Data File : VX011888.D
 Acq On : 29 Aug 2019 22:36
 Operator : SY/SP
 Sample : VSTDIC100
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:39:19 AM

Quant Time: Aug 30 01:51:29 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	373326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	521013	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	488218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	281885	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	348628	100.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.20%	
35) Dibromofluoromethane	5.48	113	333604	103.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.38%	
50) Toluene-d8	8.71	98	1184268	101.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.30%	
62) 4-Bromofluorobenzene	11.13	95	481934	92.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	205449	90.082	ug/l	99
3) Chloromethane	1.31	50	249186	93.024	ug/l	99
4) Vinyl Chloride	1.40	62	244489	96.168	ug/l	99
5) Bromomethane	1.62	94	154767	94.579	ug/l	100
6) Chloroethane	1.70	64	152475	100.613	ug/l	98
7) Trichlorofluoromethane	1.91	101	422208	98.147	ug/l	99
8) Diethyl Ether	2.17	74	143479	100.296	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	279715	110.838	ug/l	100
10) Methyl Iodide	2.49	142	338405	147.699	ug/l	98
11) Tert butyl alcohol	3.04	59	163953	532.261	ug/l	100
12) 1,1-Dichloroethene	2.35	96	262883	105.267	ug/l	99
13) Acrolein	2.28	56	75339	515.746	ug/l	99
14) Allyl chloride	2.71	41	498049	109.652	ug/l	100
15) Acrylonitrile	3.13	53	405538	526.299	ug/l	99
16) Acetone	2.43	43	350239	262.325	ug/l	100
17) Carbon Disulfide	2.56	76	772231	103.260	ug/l	100
18) Methyl Acetate	2.76	43	199984	70.781	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	850206	104.343	ug/l	99
20) Methylene Chloride	2.84	84	322564	95.949	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	311985	100.947	ug/l	98
22) Diisopropyl ether	3.84	45	1007040	102.326	ug/l	97
23) Vinyl Acetate	3.80	43	3284240	764.335	ug/l	99
24) 1,1-Dichloroethane	3.68	63	560630	100.708	ug/l	100
25) 2-Butanone	4.65	43	556211	514.103	ug/l	99
26) 2,2-Dichloropropane	4.56	77	458556	117.552	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	368065	100.809	ug/l	100
28) Bromochloromethane	4.99	49	230248	92.989	ug/l	99
29) Tetrahydrofuran	5.11	42	351683	522.032	ug/l	100
30) Chloroform	5.20	83	594794	99.116	ug/l	98
31) Cyclohexane	5.57	56	429959	94.818	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	531611	104.987	ug/l	99
36) 1,1-Dichloropropene	5.79	75	414226	100.795	ug/l	99
37) Ethyl Acetate	4.82	43	246816	127.444	ug/l	99
38) Carbon Tetrachloride	5.77	117	487938	121.838	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	476935	97.067	ug/l	99
40) Benzene	6.13	78	1247694	101.592	ug/l	100
41) Methacrylonitrile	5.02	41	146123	110.789	ug/l	99
42) 1,2-Dichloroethane	6.18	62	424493	103.584	ug/l	100
43) Isopropyl Acetate	6.43	43	502693	130.257	ug/l	100
44) Trichloroethene	7.20	130	388083	91.510	ug/l	98
45) 1,2-Dichloropropane	7.51	63	326977	104.574	ug/l	100
46) Dibromomethane	7.65	93	194404	103.907	ug/l	100
47) Bromodichloromethane	7.89	83	483614	111.542	ug/l	99
48) Methyl methacrylate	7.76	41	244611	128.842	ug/l	100
49) 1,4-Dioxane	7.73	88	63603	2319.849	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	1239046	603.223	ug/l	100
52) Toluene	8.78	92	818223	101.641	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	499566	147.577	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	555658	128.176	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	277955	109.362	ug/l	98
56) Ethyl methacrylate	9.17	69	395191	149.771	ug/l	99
57) 1,3-Dichloropropane	9.37	76	463920	113.065	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	894282	1054.397	ug/l	99
59) 2-Hexanone	9.49	43	879557	651.660	ug/l	99
60) Dibromochloromethane	9.58	129	386404	118.108	ug/l	100
61) 1,2-Dibromoethane	9.66	107	280266	117.542	ug/l	99
64) Tetrachloroethene	9.33	164	387260	79.587	ug/l	99
65) Chlorobenzene	10.13	112	951855	103.051	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	393336	118.435	ug/l	99
67) Ethyl Benzene	10.25	91	1603537	101.537	ug/l	99
68) m/p-Xylenes	10.35	106	1241796	203.557	ug/l	99
69) o-Xylene	10.69	106	610917	104.382	ug/l	99
70) Styrene	10.71	104	1082278	112.839	ug/l	100
71) Bromoform	10.85	173	282025	125.116	ug/l #	100
73) Isopropylbenzene	11.01	105	1618752	97.971	ug/l	99
74) N-amyl acetate	10.89	43	487344	120.011	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	331318	121.096	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	278159m	128.363	ug/l	
77) Bromobenzene	11.25	156	477459	102.850	ug/l	98
78) n-propylbenzene	11.35	91	1829897	98.278	ug/l	99
79) 2-Chlorotoluene	11.41	91	1106027	98.402	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1408495	101.079	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	112268	188.287	ug/l	99
82) 4-Chlorotoluene	11.51	91	1319559	98.552	ug/l	99
83) tert-Butylbenzene	11.77	119	1428824	105.760	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1422831	102.577	ug/l	99
85) sec-Butylbenzene	11.94	105	1643514	101.144	ug/l	99
86) p-Isopropyltoluene	12.06	119	1603556	105.800	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	881753	102.016	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	885332	102.722	ug/l	99
89) n-Butylbenzene	12.38	91	1406072	105.446	ug/l	99
90) Hexachloroethane	12.59	117	320781	153.953	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	817687	104.125	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	65742	153.307	ug/l	97

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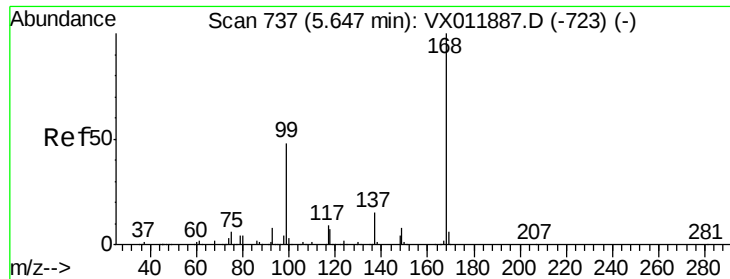
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	692876	109.942	ug/l	100
94) Hexachlorobutadiene	13.78	225	468809	112.908	ug/l	100
95) Naphthalene	13.83	128	1178751	126.262	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	613507	111.349	ug/l	100

(#) = 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: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 373326

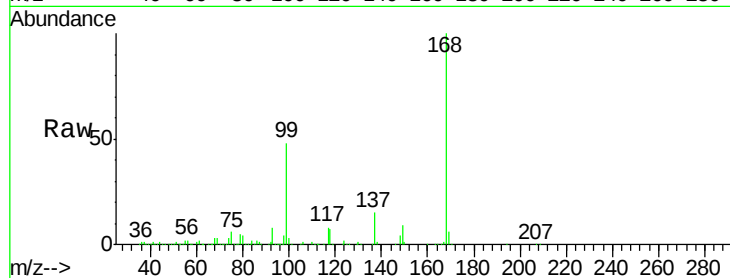
Ion Ratio Lower Upper

168 100

99 47.7 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

150000

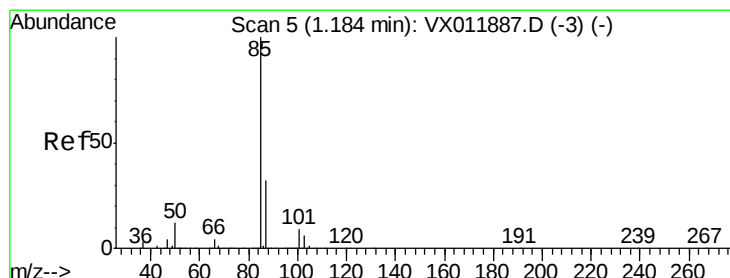
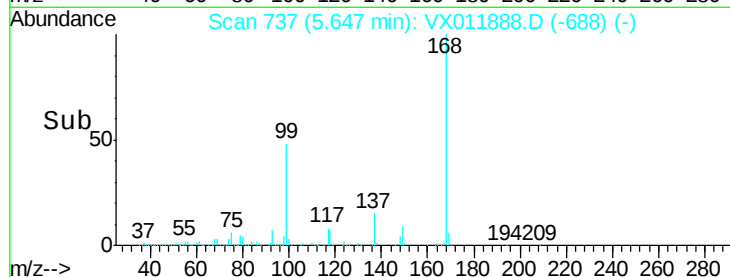
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 90.082 ug/l

RT: 1.18 min Scan# 5

Delta R.T. 0.00 min

Lab File: VX011888.D

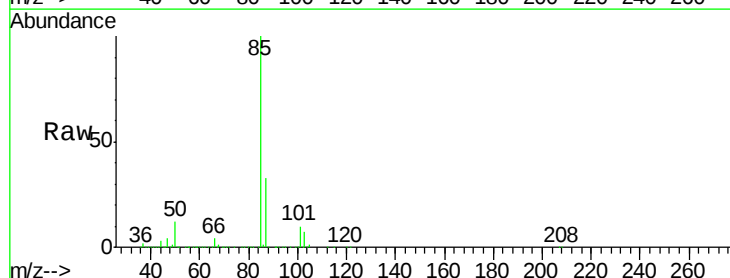
Acq: 29 Aug 2019 22:36

Tgt Ion: 85 Resp: 205449

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

200000

150000

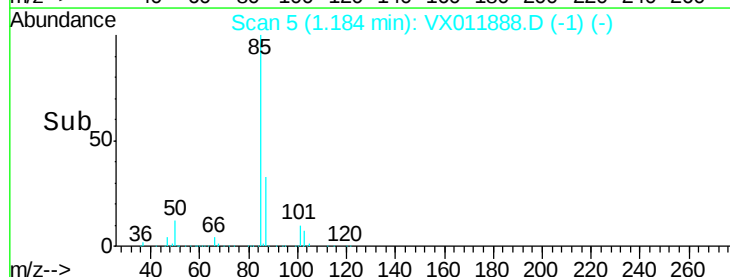
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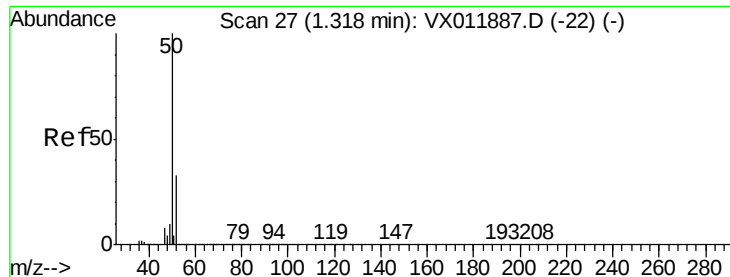
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 93.024 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.01 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 249186

Ion Ratio Lower Upper

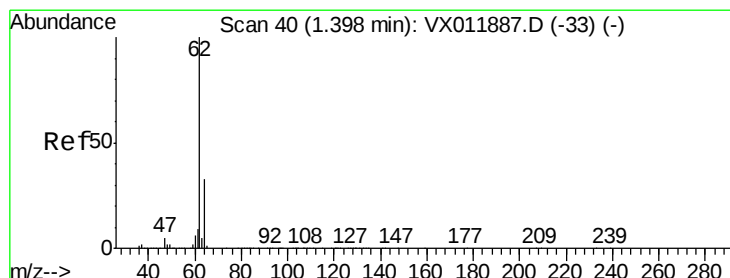
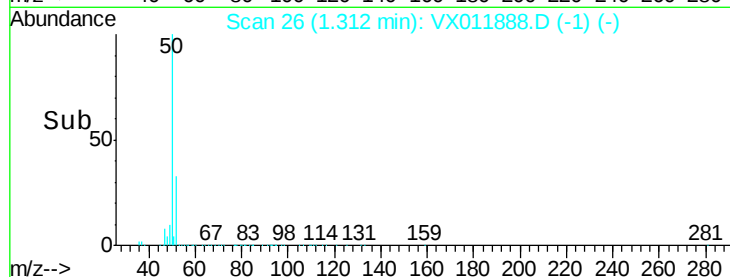
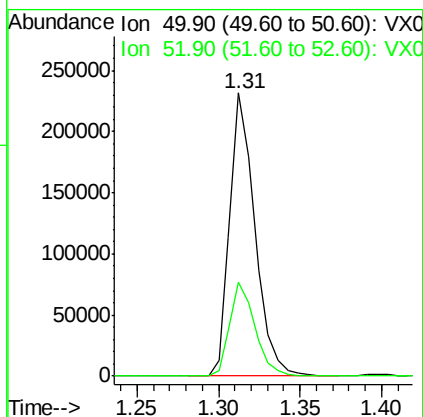
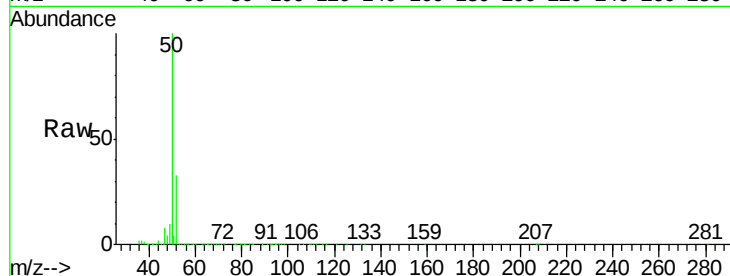
50 100

52 33.0 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 96.168 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011888.D

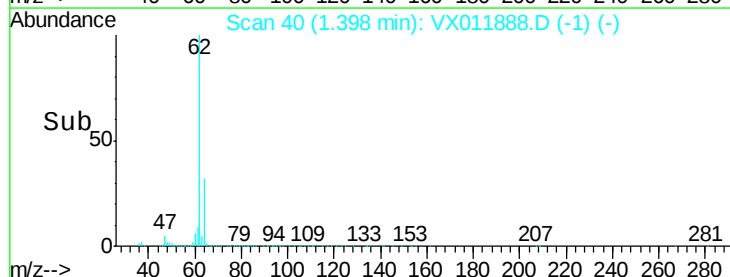
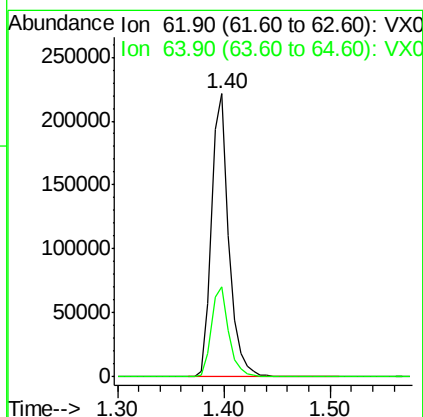
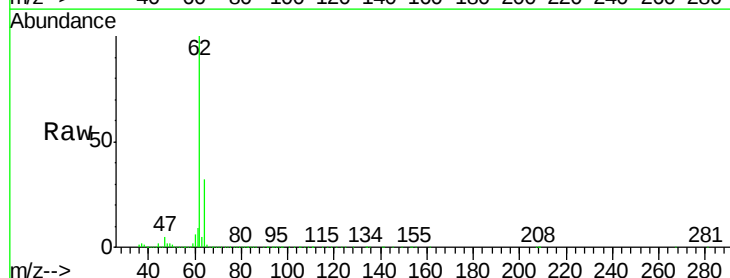
Acq: 29 Aug 2019 22:36

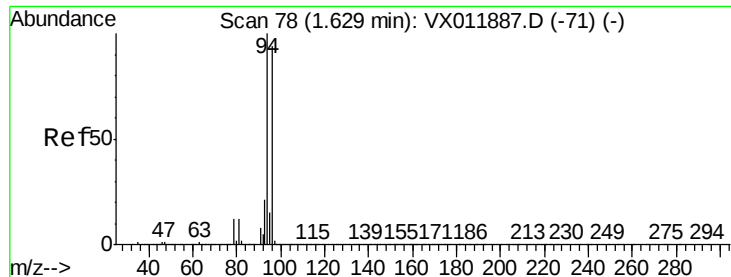
Tgt Ion: 62 Resp: 244489

Ion Ratio Lower Upper

62 100

64 31.7 26.0 39.0





#5

Bromomethane

Concen: 94.579 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 154767

Ion Ratio Lower Upper

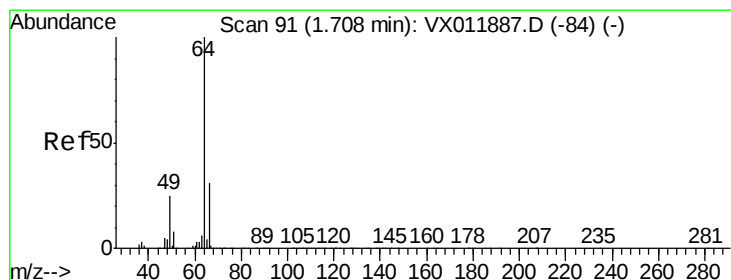
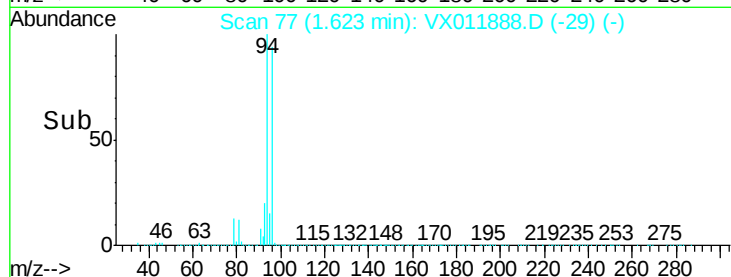
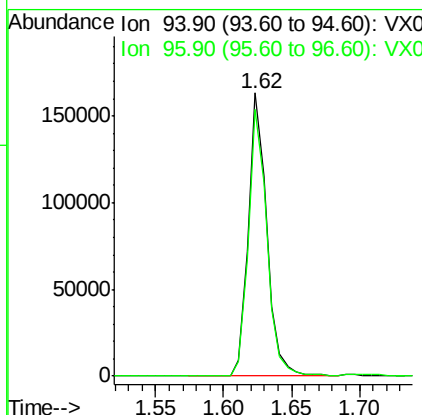
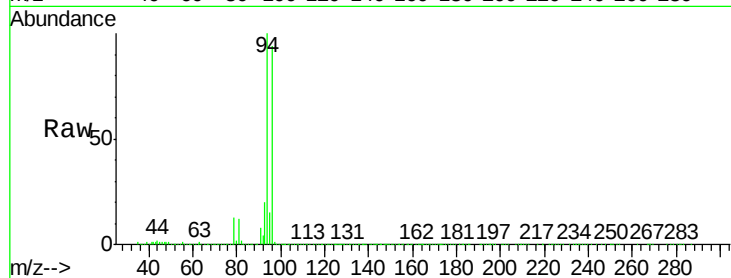
94 100

96 94.1 75.0 112.6

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#6

Chloroethane

Concen: 100.613 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011888.D

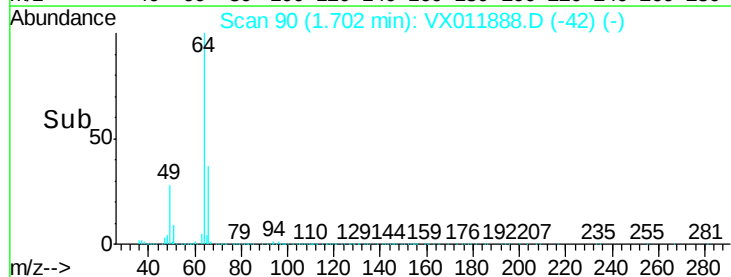
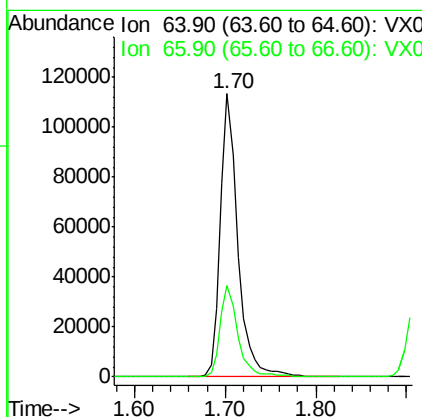
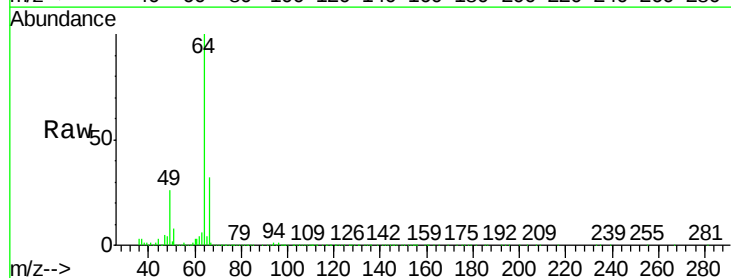
Acq: 29 Aug 2019 22:36

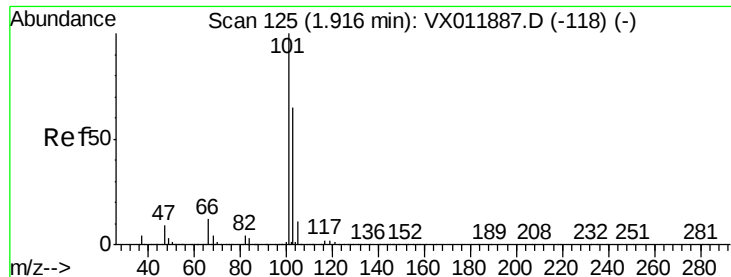
Tgt Ion: 64 Resp: 152475

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.4





#7

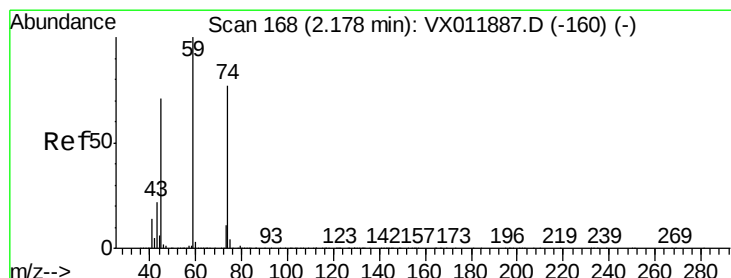
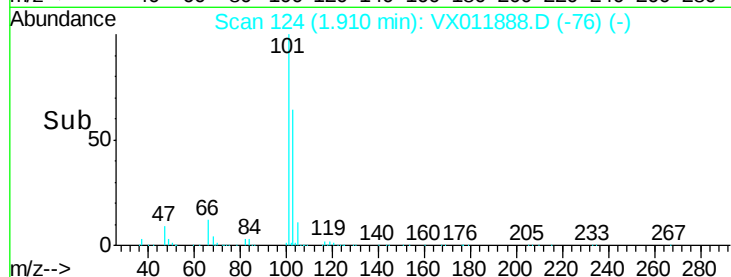
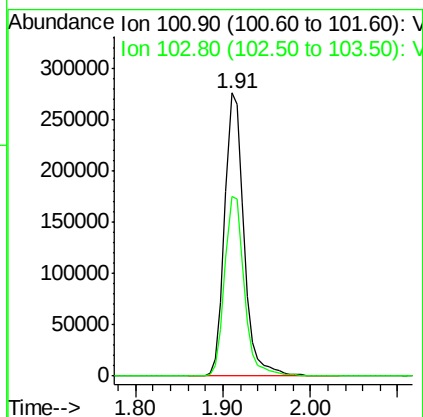
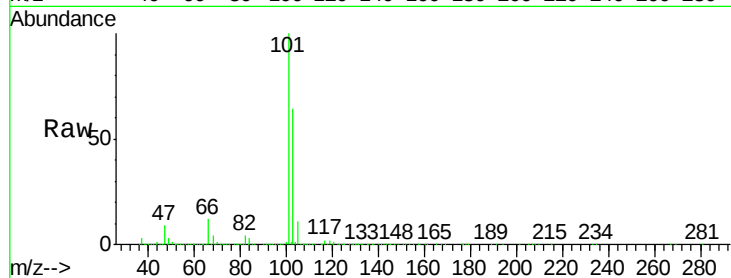
Trichlorofluoromethane
Concen: 98.147 ug/l
RT: 1.91 min Scan# 124
Delta R.T. -0.01 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.6	77.4

Manual Integrations
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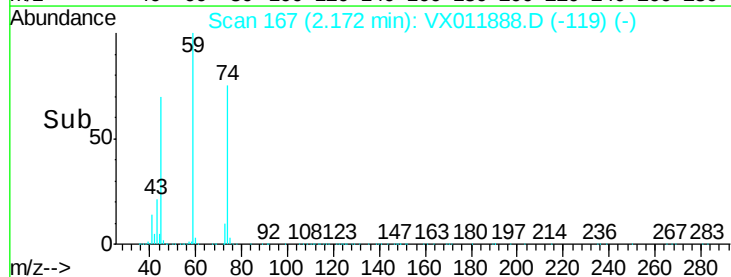
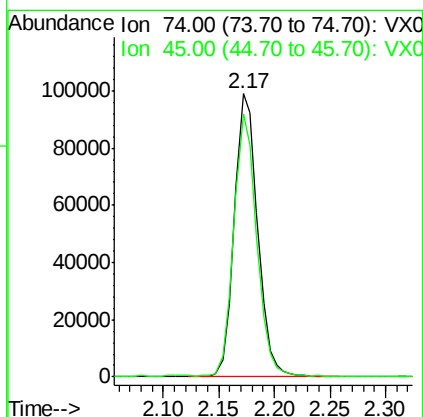
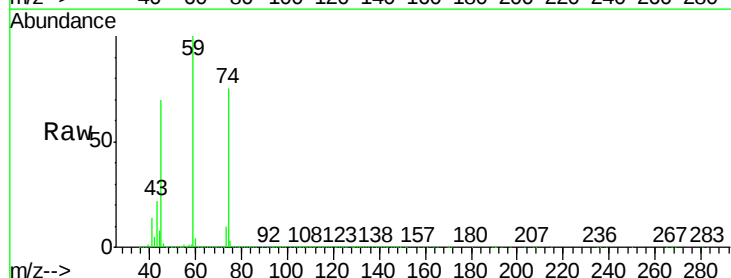
MMDadoda
9/3/2019 2:39:19 AM

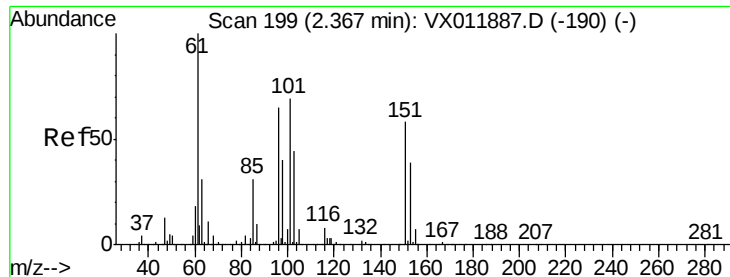


#8

Diethyl Ether
Concen: 100.296 ug/l
RT: 2.17 min Scan# 167
Delta R.T. -0.01 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.2	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 110.838 ug/l

RT: 2.37 min Scan# 199

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

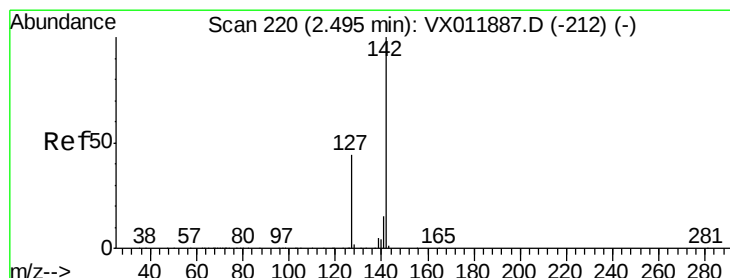
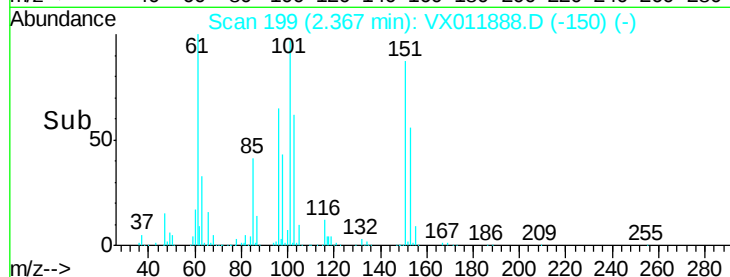
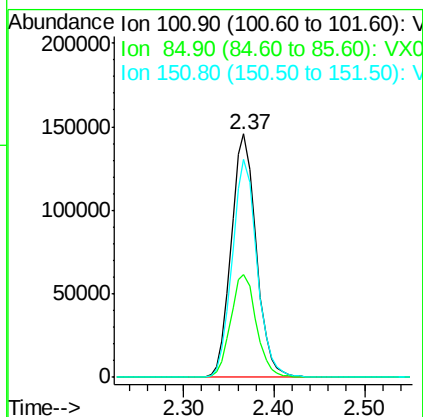
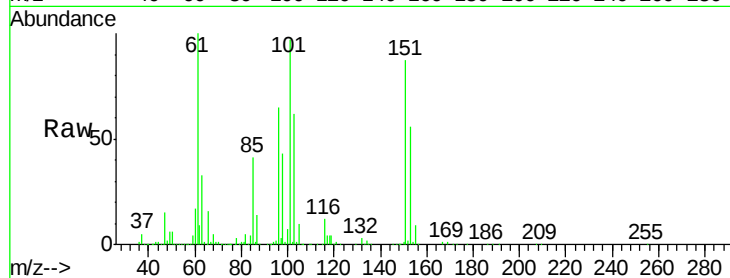
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	279715
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.9	52.3
151	88.7	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 147.699 ug/l

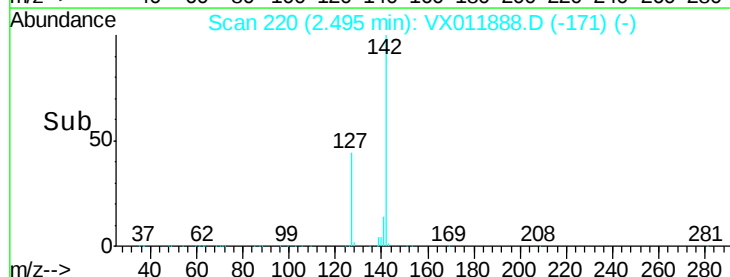
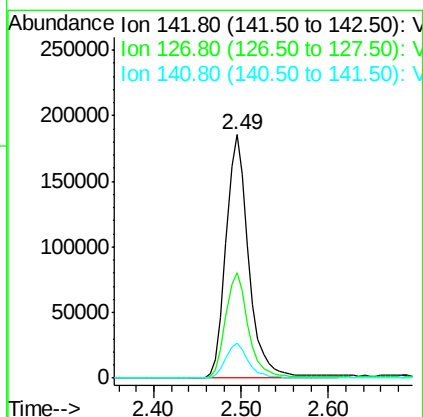
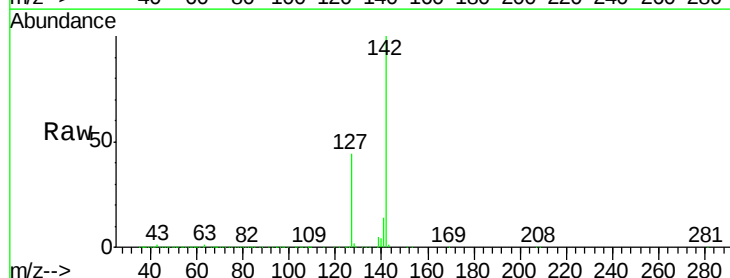
RT: 2.49 min Scan# 220

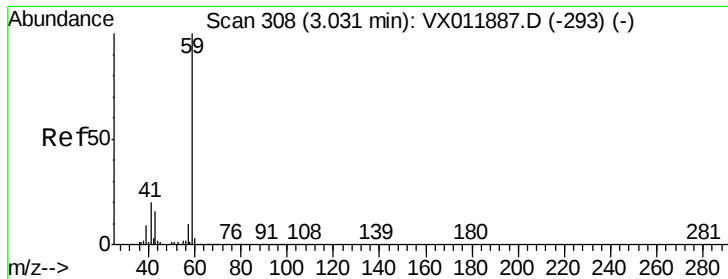
Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Tgt Ion:	142	Resp:	338405
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.7	53.5
141	14.3	11.8	17.6





#11

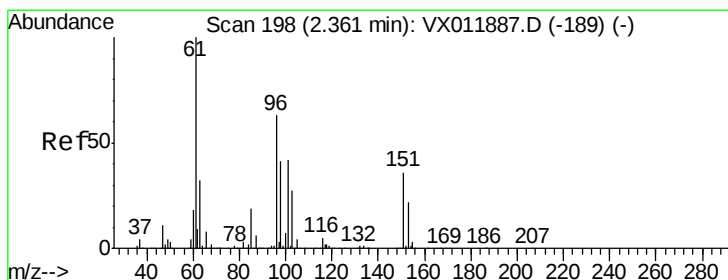
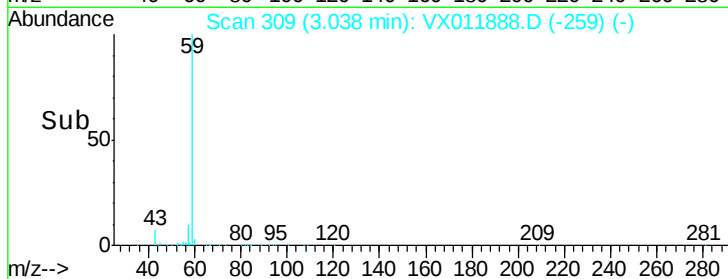
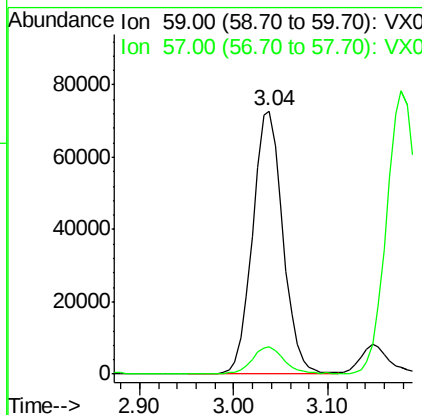
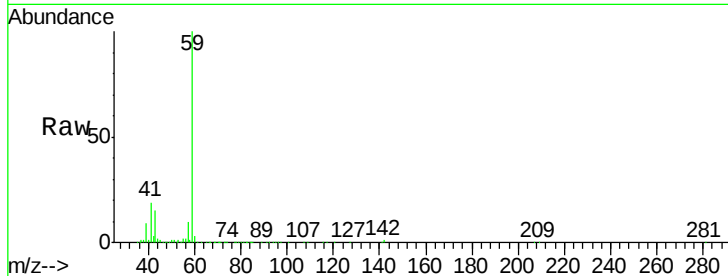
Tert butyl alcohol
Concen: 532.261 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.01 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

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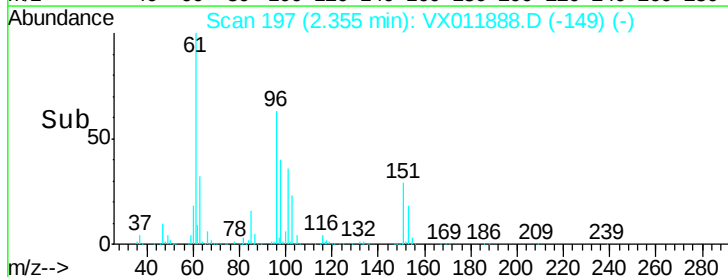
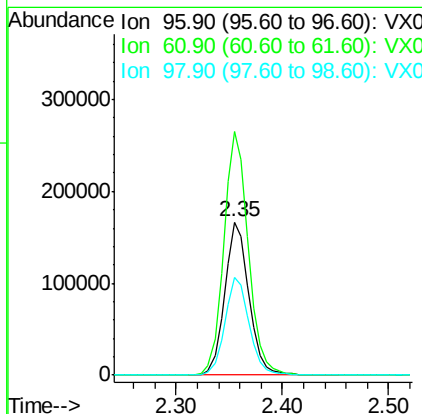
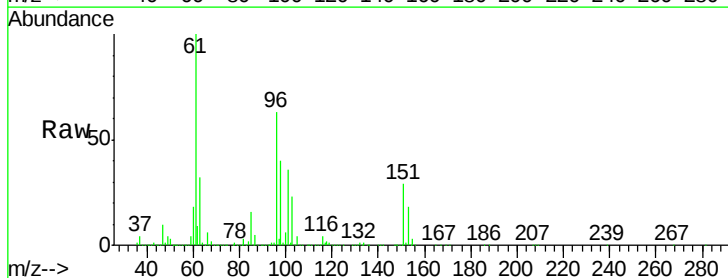
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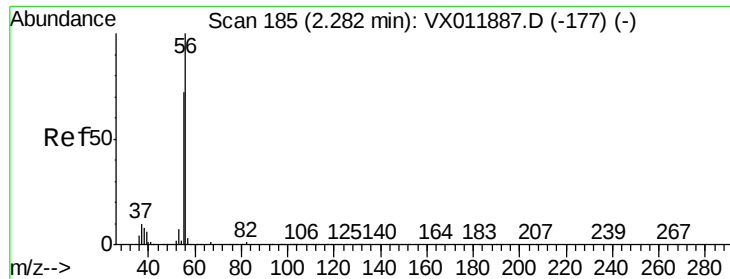


#12

1,1-Dichloroethene
Concen: 105.267 ug/l
RT: 2.35 min Scan# 197
Delta R.T. -0.01 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	126.6	190.0
98	63.8	51.6	77.4





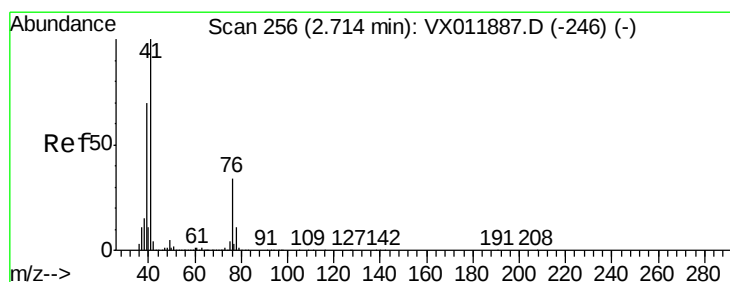
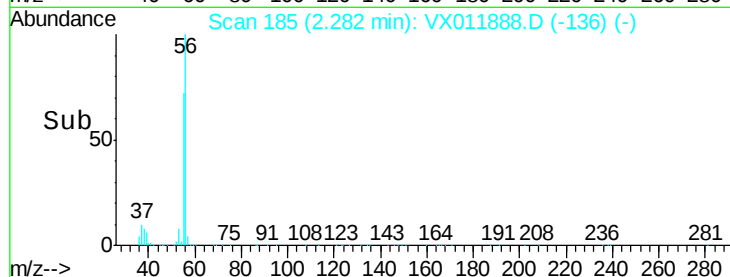
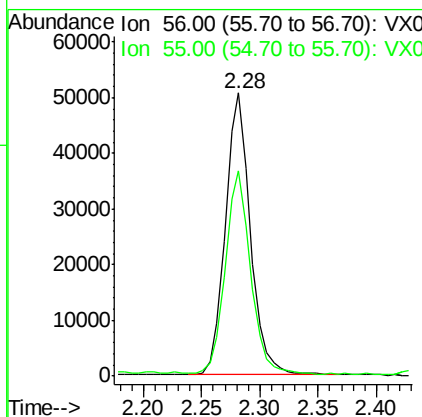
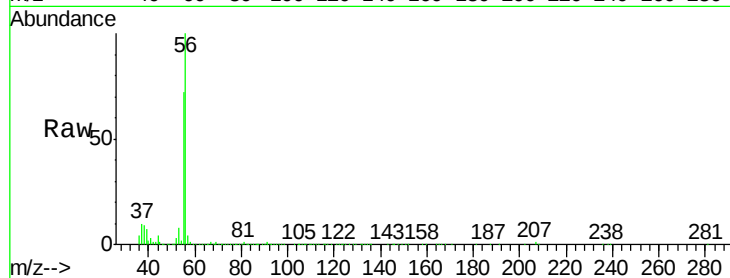
#13
Acrolein
Concen: 515.746 ug/l
RT: 2.28 min Scan# 185
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	72.4	58.6	88.0

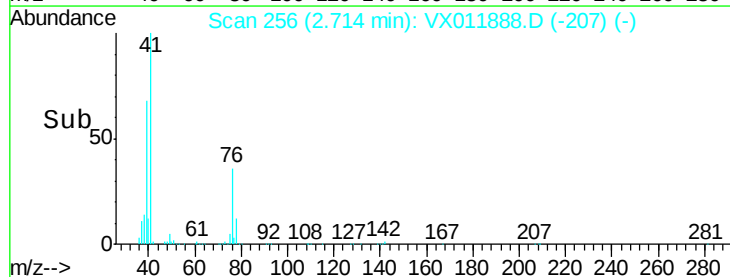
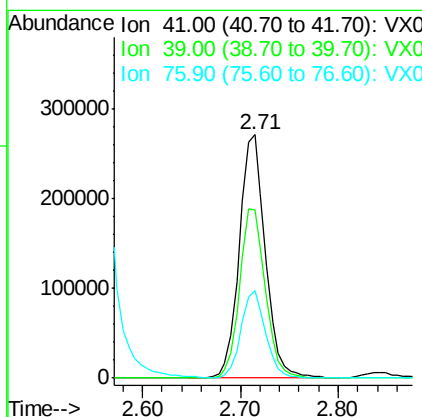
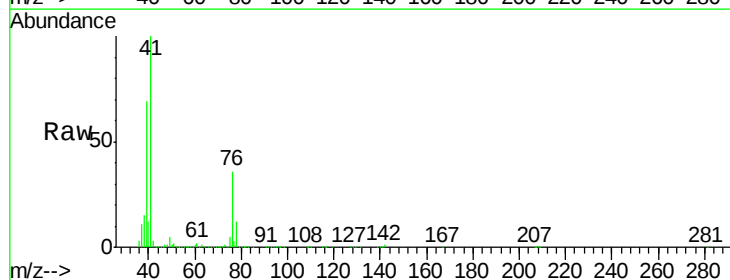
Manual Integrations
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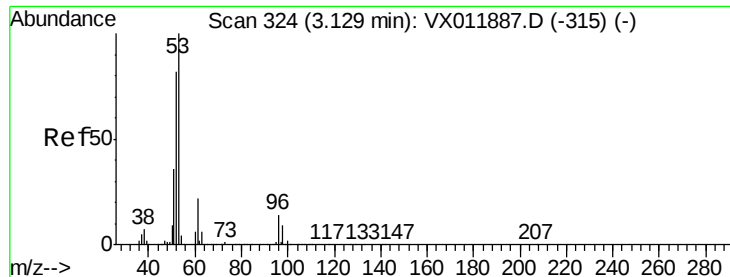
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#14
Allyl chloride
Concen: 109.652 ug/l
RT: 2.71 min Scan# 256
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	68.7	55.0	82.6
76	76	34.1	27.0	40.4





#15

Acrylonitrile

Concen: 526.299 ug/l

RT: 3.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

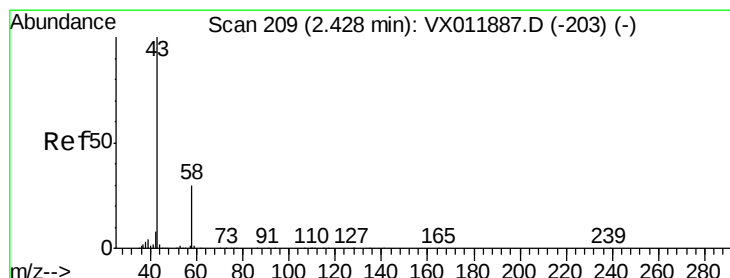
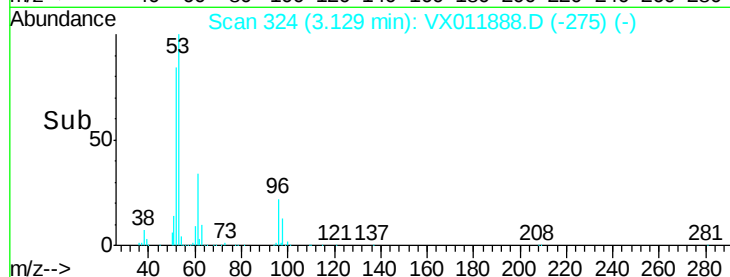
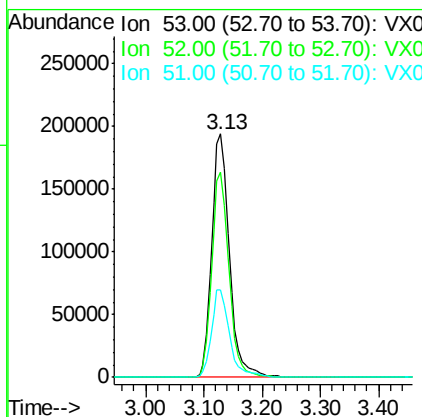
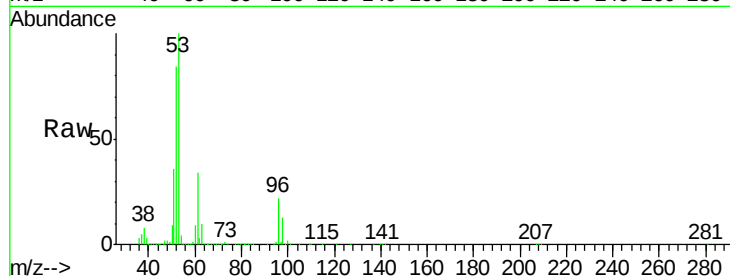
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	405538
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.3	97.9
51	36.6	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 262.325 ug/l

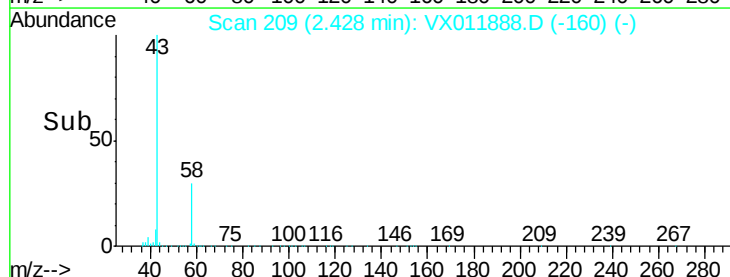
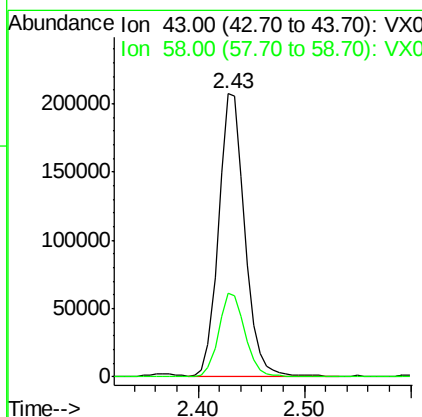
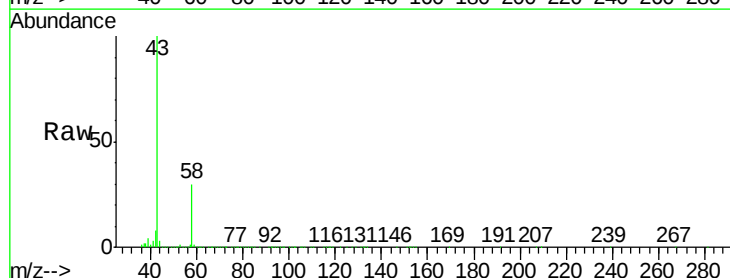
RT: 2.43 min Scan# 209

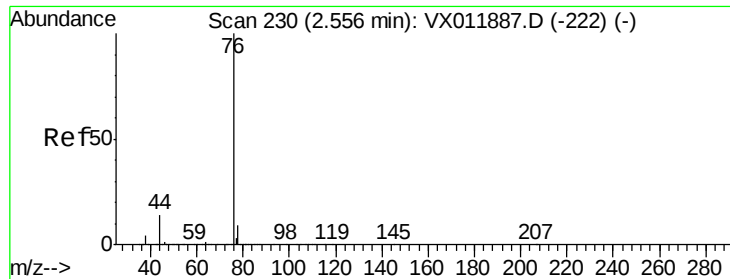
Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Tgt Ion:	43	Resp:	350239
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.8	35.8





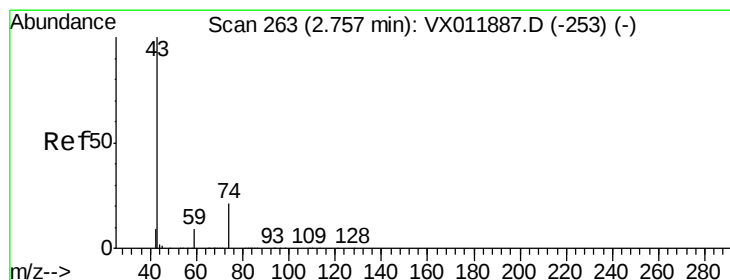
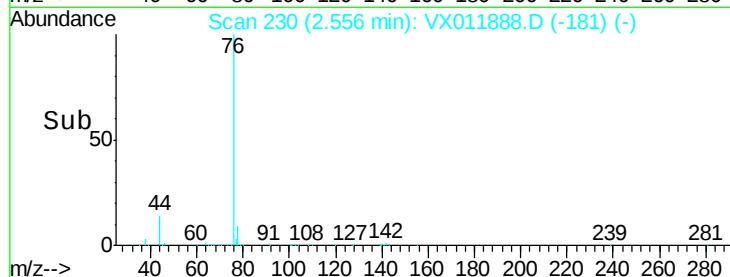
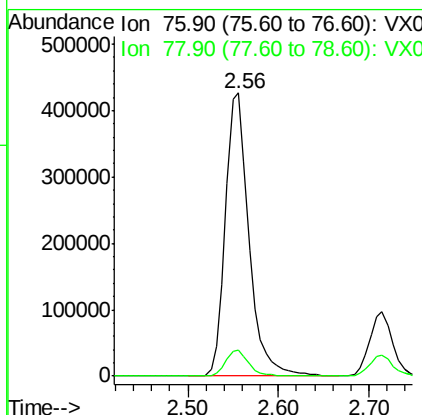
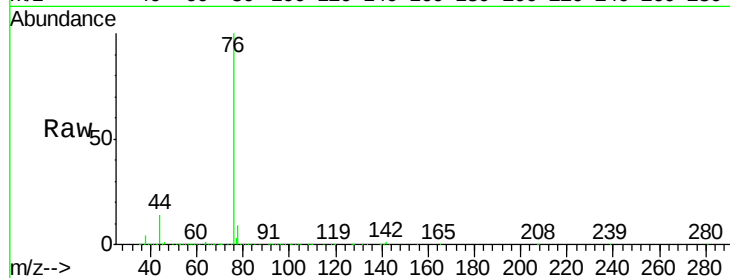
#17
Carbon Disulfide
Concen: 103.260 ug/l
RT: 2.56 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

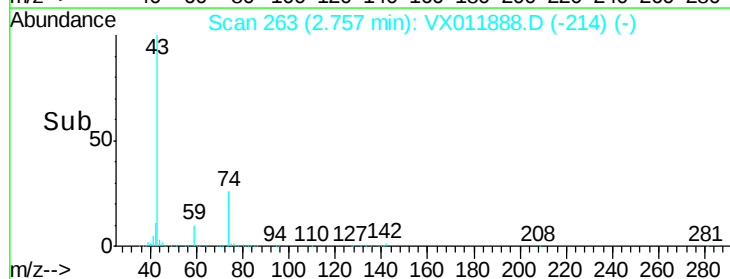
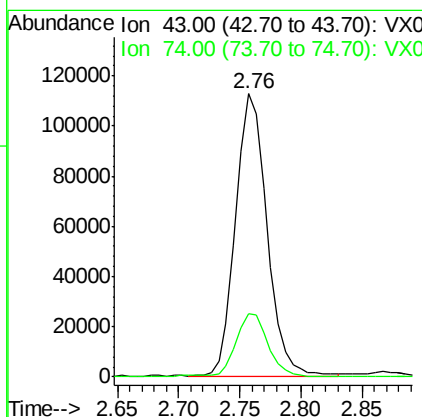
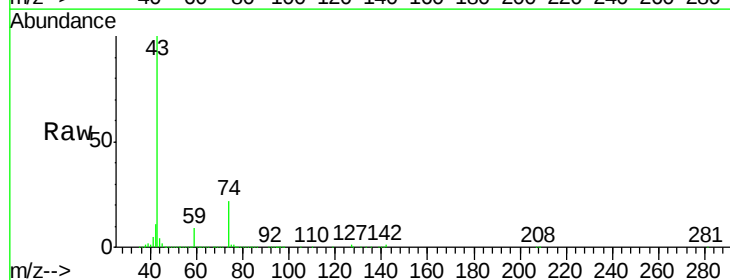
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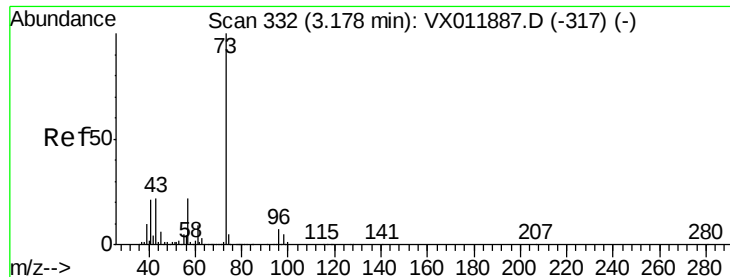
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#18
Methyl Acetate
Concen: 70.781 ug/l
RT: 2.76 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.4	27.6





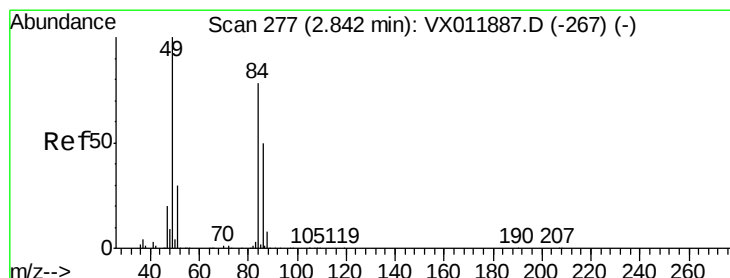
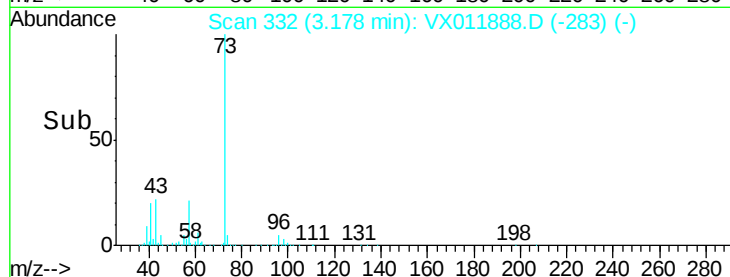
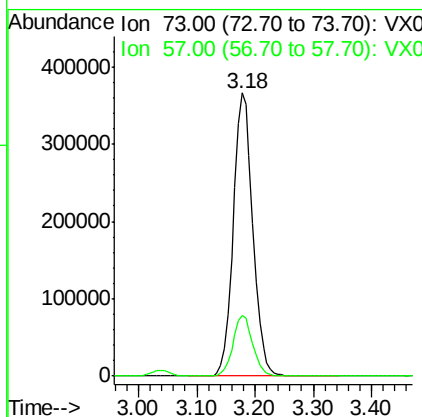
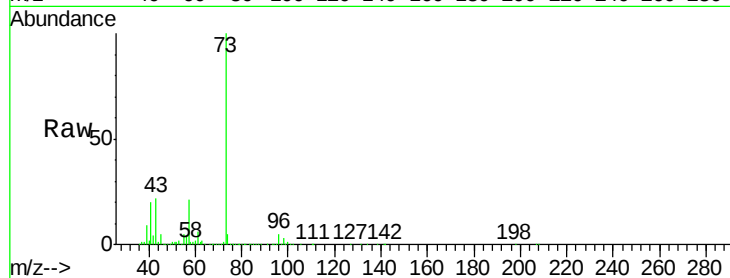
#19
Methvl tert-butvl Ether
Concen: 104.343 ug/l
RT: 3.18 min Scan# 332
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.4	26.0

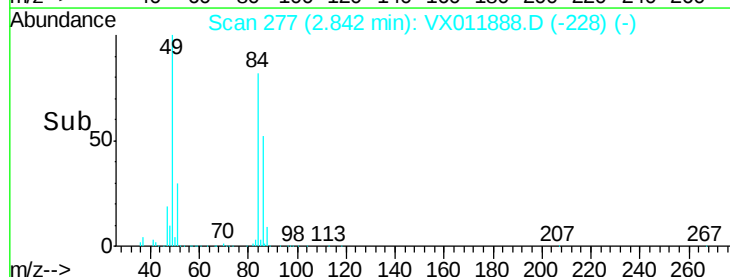
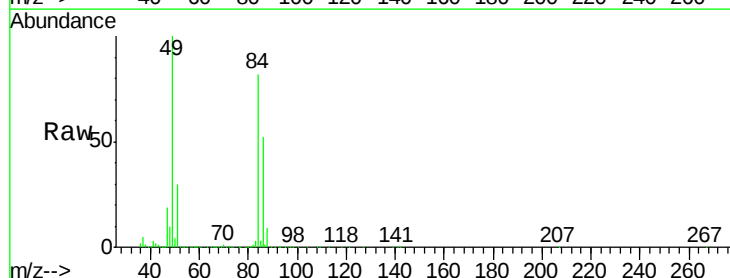
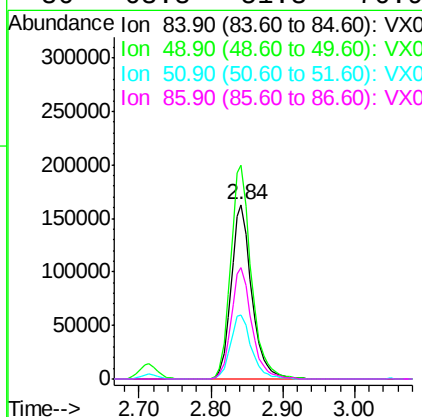
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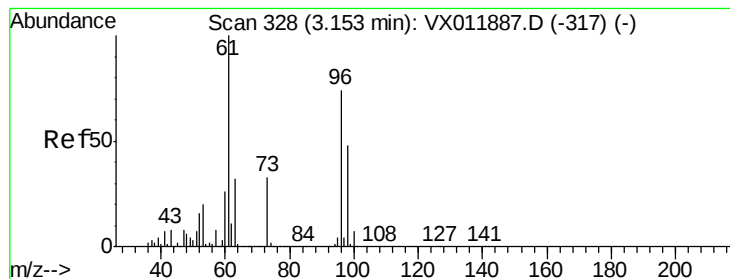
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#20
Methylene Chloride
Concen: 95.949 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.5	103.0	154.4
51	37.0	30.8	46.2
86	63.8	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 100.947 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 311985

Ion Ratio Lower Upper

96 100

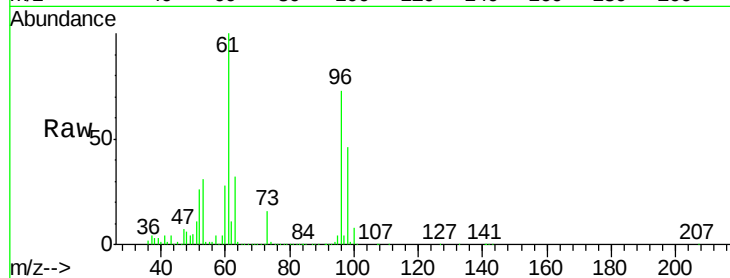
61 137.0 107.4 161.2

98 63.1 51.4 77.2

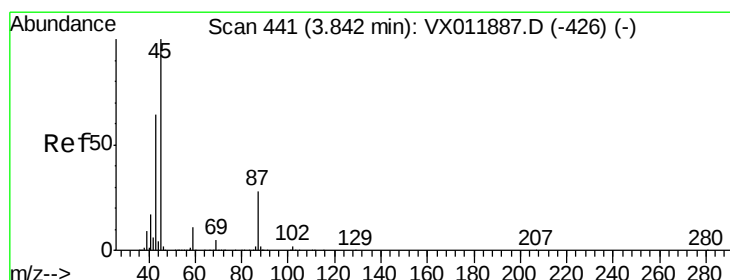
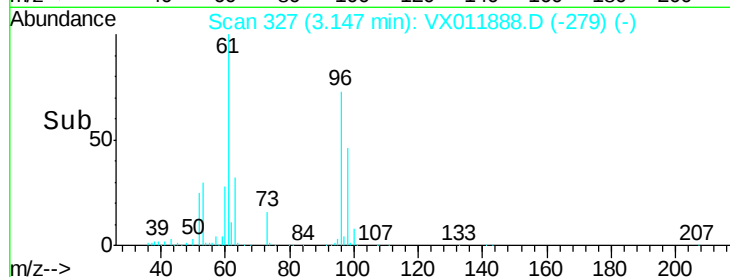
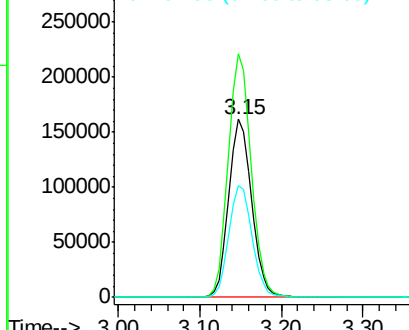
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 102.326 ug/l

RT: 3.84 min Scan# 441

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Tgt Ion: 45 Resp: 1007040

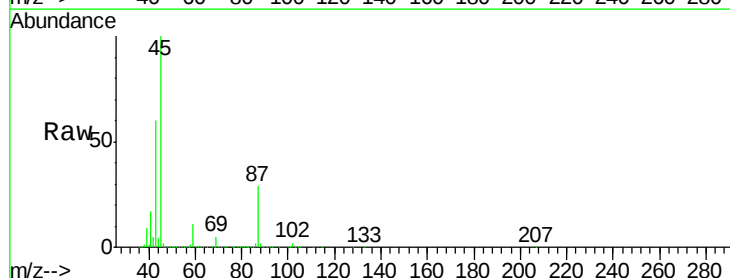
Ion Ratio Lower Upper

45 100

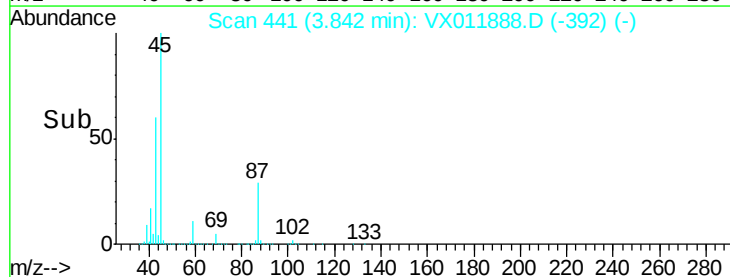
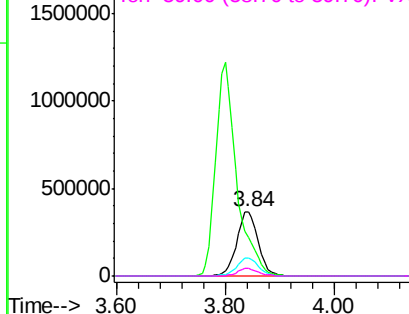
43 60.3 51.0 76.6

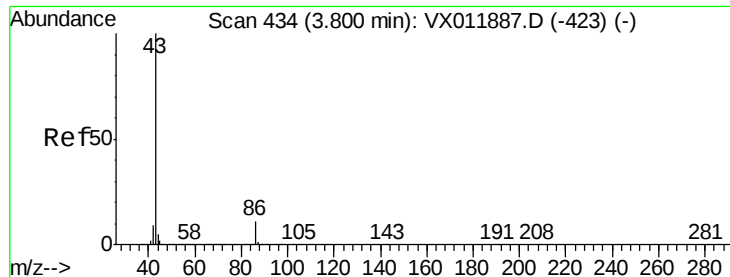
87 28.5 22.0 33.0

59 11.4 9.1 13.7



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





#23

Vinyl Acetate

Concen: 764.335 ug/l

RT: 3.80 min Scan# 434

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 3284240

Ion Ratio Lower Upper

43 100

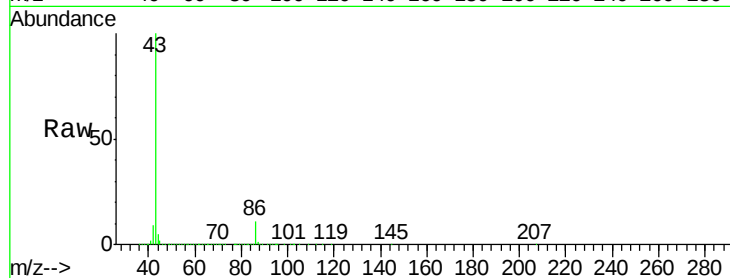
86 10.9 8.6 12.8

Manual Integrations

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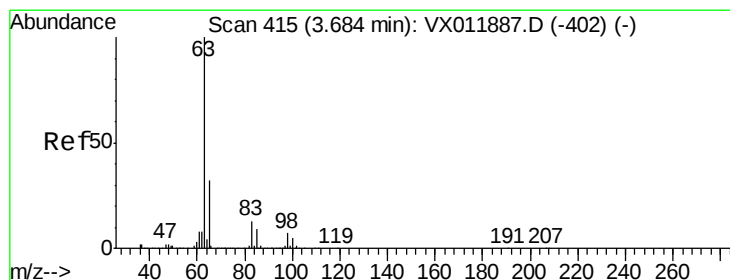
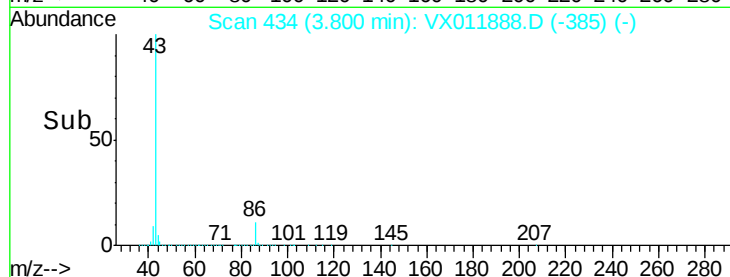
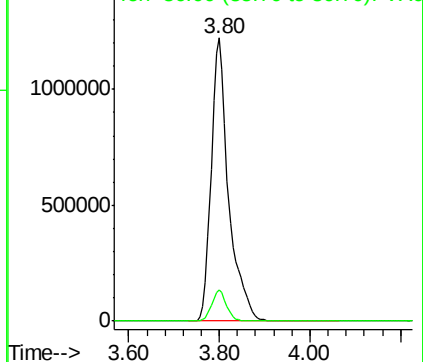
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 100.708 ug/l

RT: 3.68 min Scan# 414

Delta R.T. -0.01 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

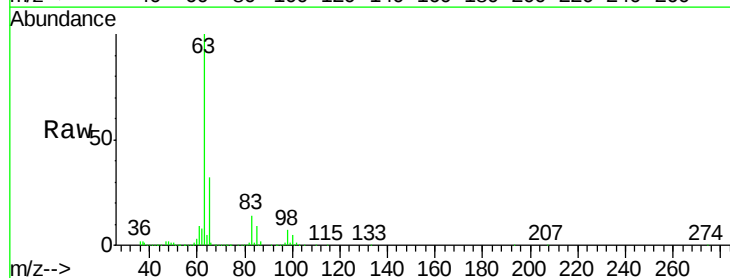
Tgt Ion: 63 Resp: 560630

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

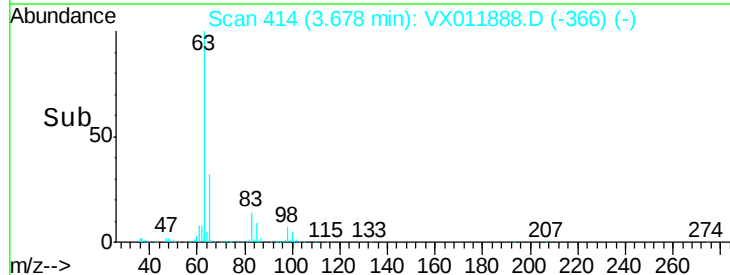
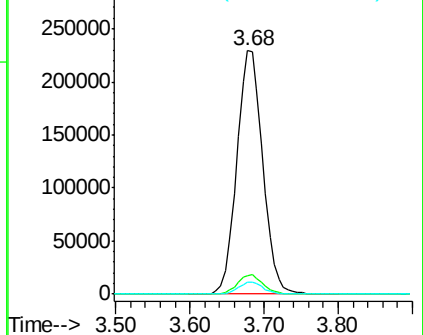
100 4.8 2.4 7.2

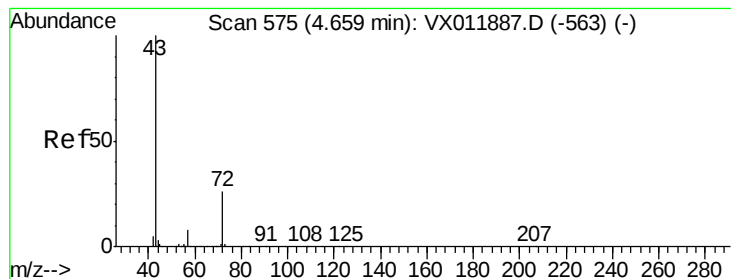


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 514.103 ug/l

RT: 4.65 min Scan# 574

Delta R.T. -0.01 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 556211

Ion Ratio Lower Upper

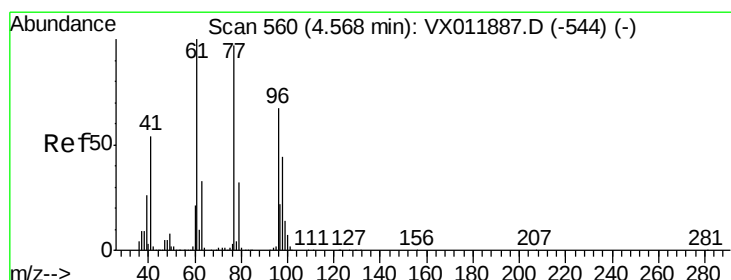
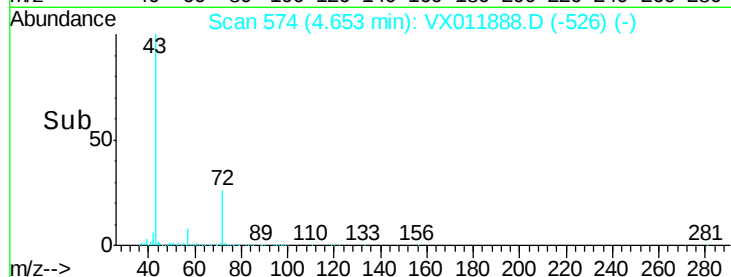
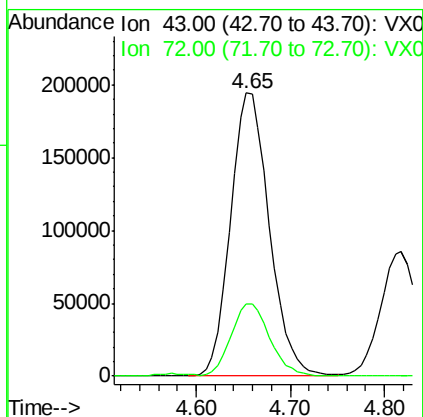
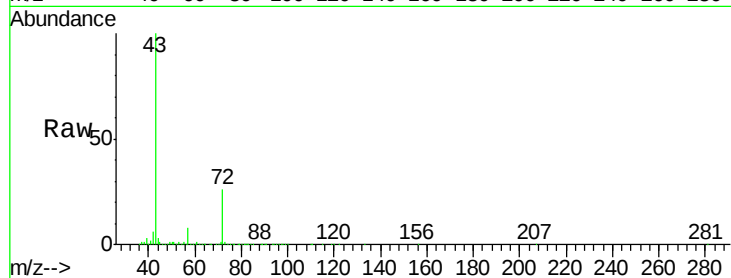
43 100

72 25.6 21.0 31.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 117.552 ug/l

RT: 4.56 min Scan# 559

Delta R.T. -0.01 min

Lab File: VX011888.D

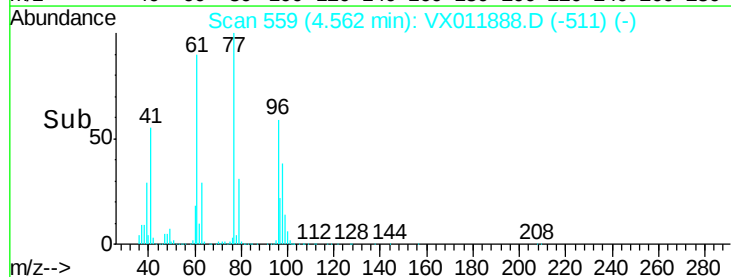
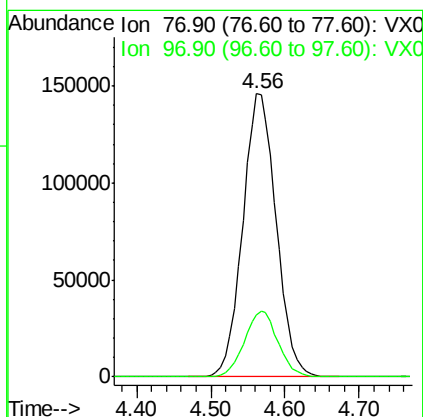
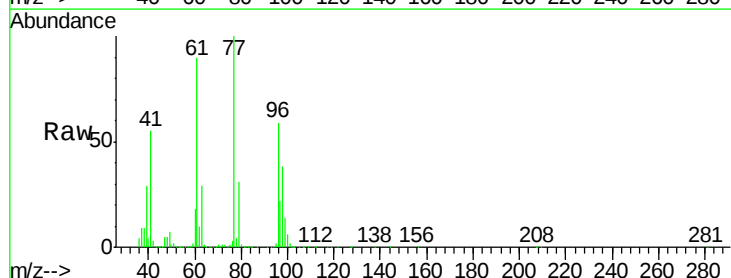
Acq: 29 Aug 2019 22:36

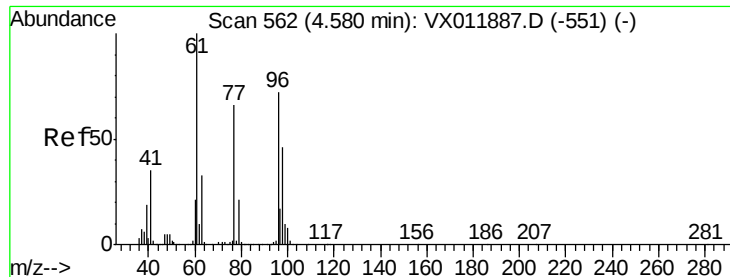
Tgt Ion: 77 Resp: 458556

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1





#27

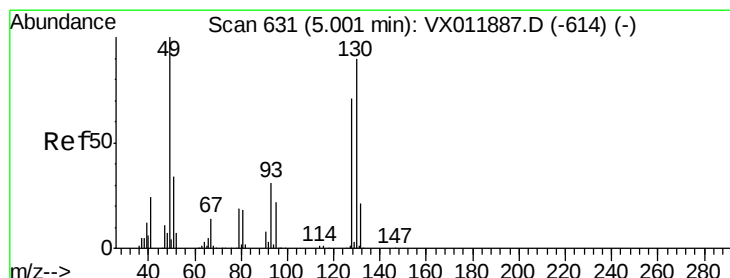
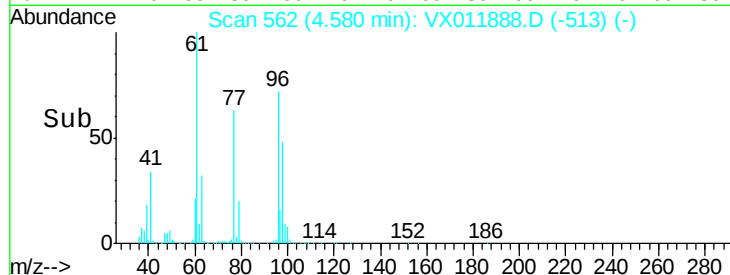
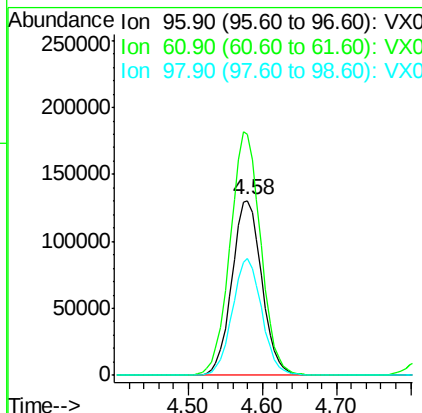
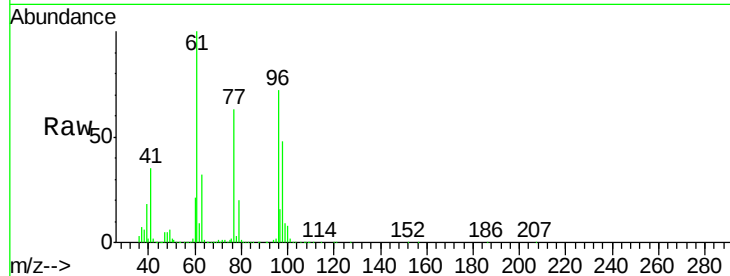
cis-1,2-Dichloroethene
Concen: 100.809 ug/l
RT: 4.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	368065		
61	142.5	0.0	283.8	
98	66.0	0.0	131.2	

Manual Integrations
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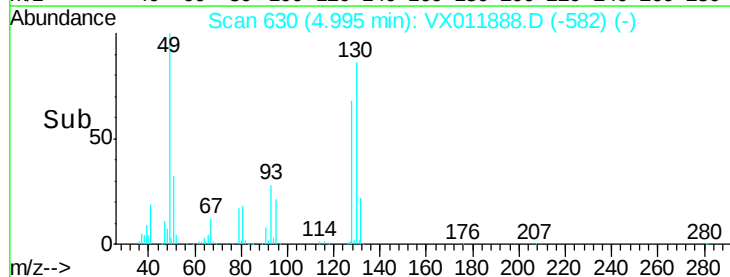
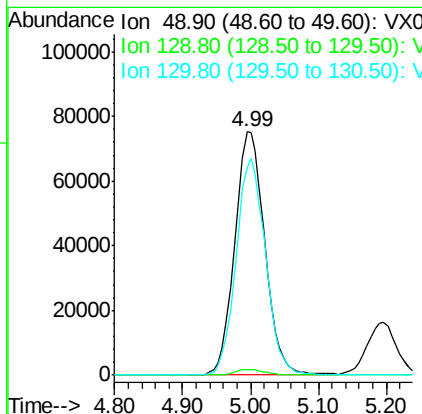
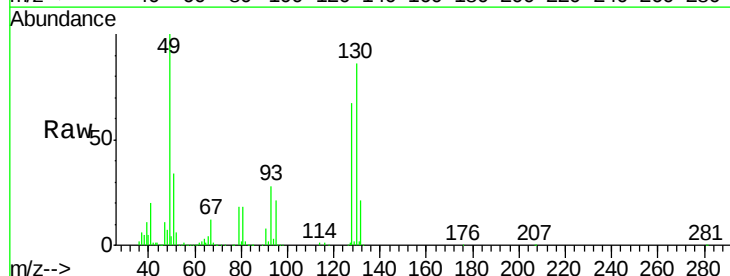
MMDadoda
9/3/2019 2:39:19 AM

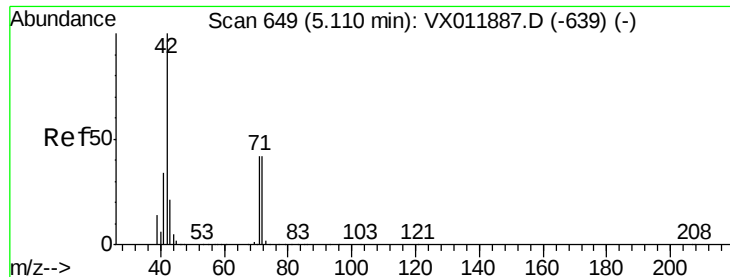


#28

Bromochloromethane
Concen: 92.989 ug/l
RT: 4.99 min Scan# 630
Delta R.T. -0.01 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	230248		
129	2.4	0.0	4.8	
130	87.6	70.6	105.8	





#29

Tetrahydrofuran

Concen: 522.032 ug/l

RT: 5.11 min Scan# 649

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

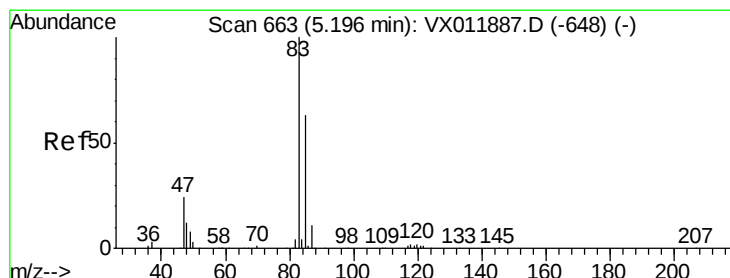
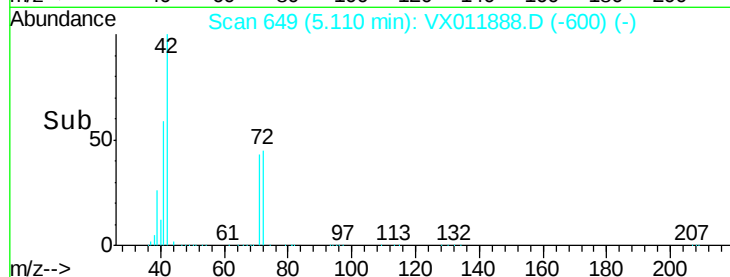
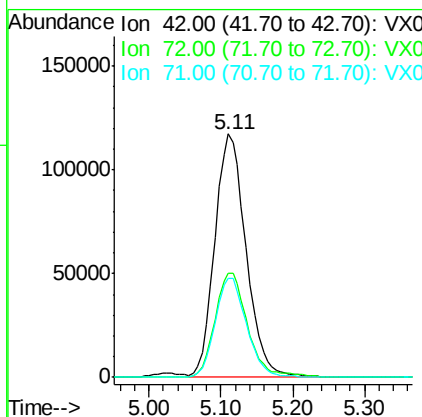
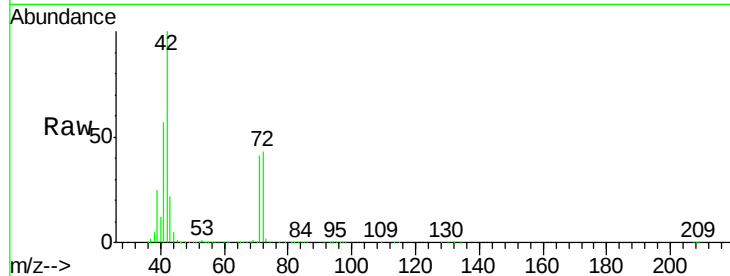
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	351683
Ion Ratio		Lower	Upper
42	100		
72	45.0	36.2	54.4
71	41.2	33.1	49.7

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:39:19 AM



#30

Chloroform

Concen: 99.116 ug/l

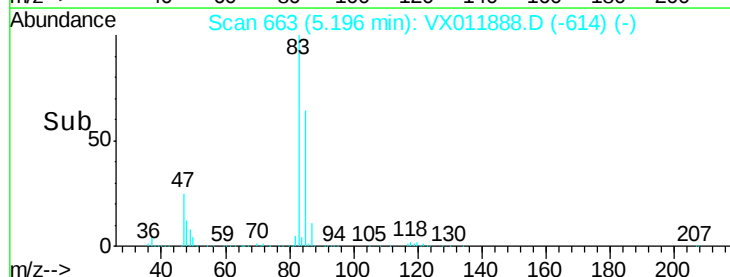
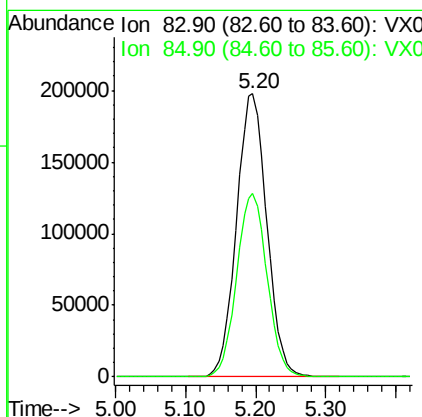
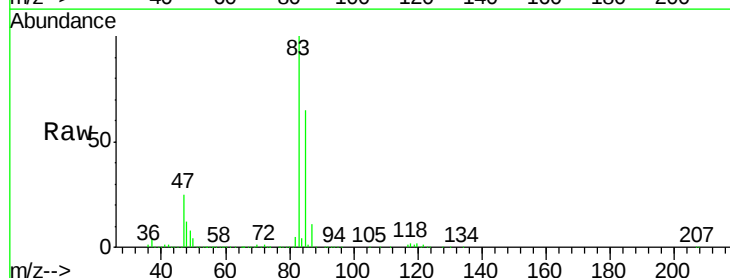
RT: 5.20 min Scan# 663

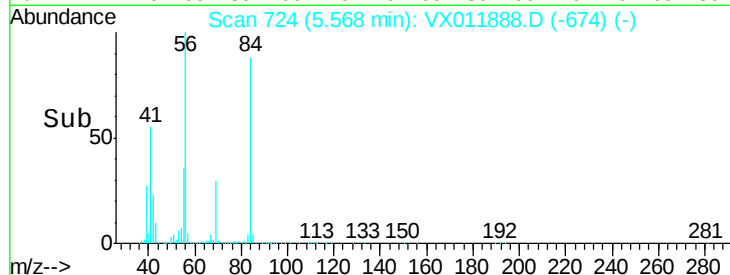
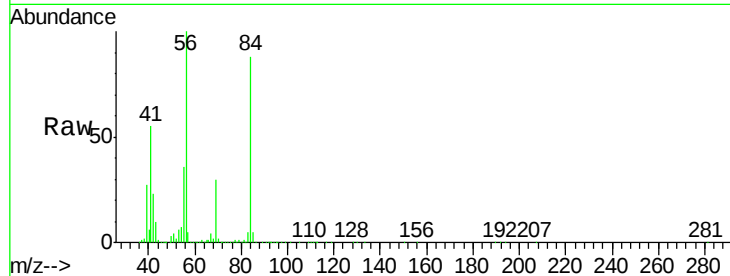
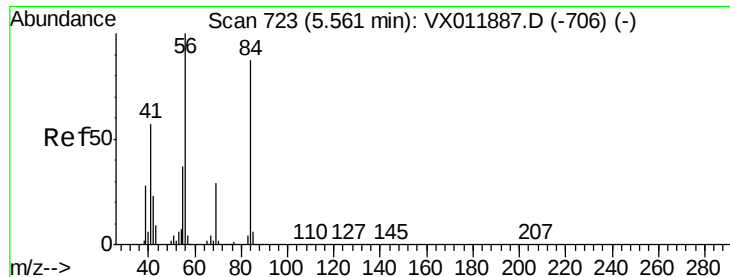
Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Tgt Ion:	83	Resp:	594794
Ion Ratio		Lower	Upper
83	100		
85	65.0	50.6	75.8





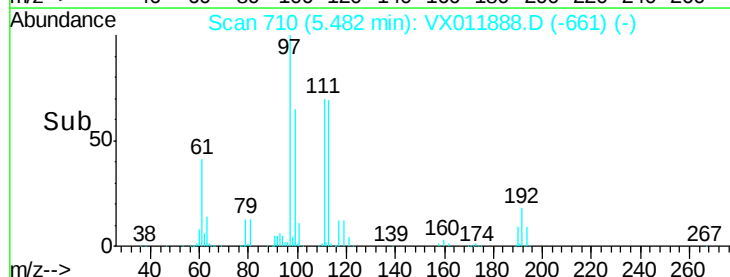
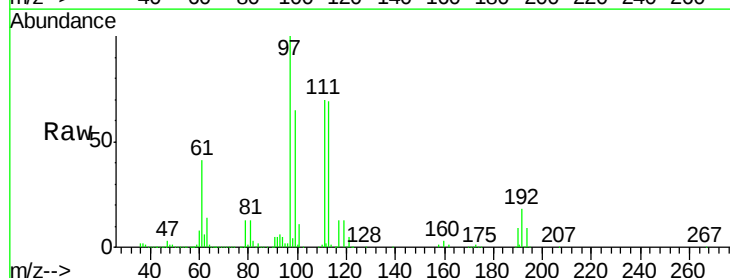
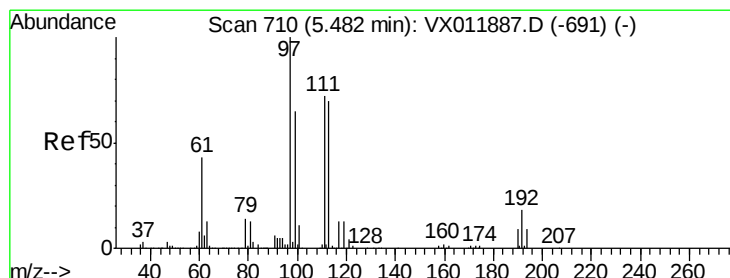
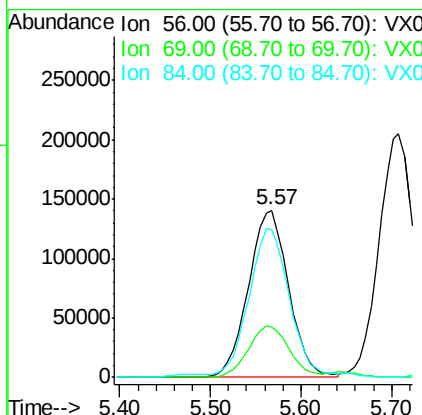
#31
Cyclohexane
Concen: 94.818 ug/l
RT: 5.57 min Scan# 724
Delta R.T. 0.01 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		429959		
69	30.2	23.1		34.7	
84	86.3	69.6		104.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

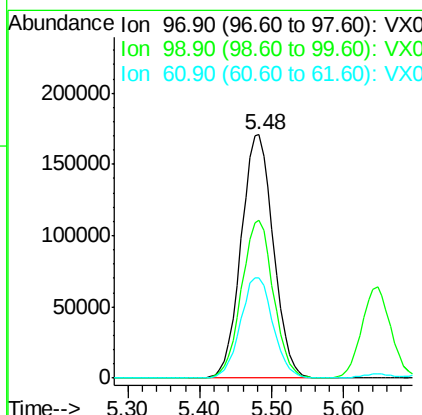
Manual Integrations
APPROVED

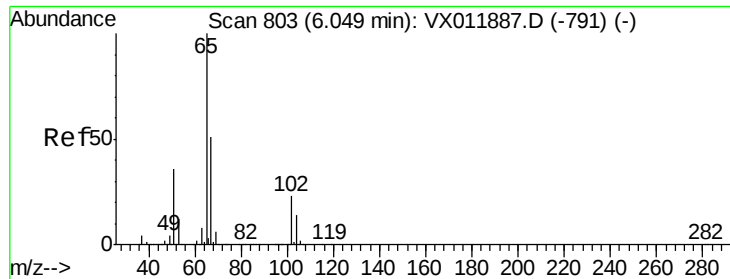
MMDadoda
9/3/2019 2:39:19 AM



#32
1,1,1-Trichloroethane
Concen: 104.987 ug/l
RT: 5.48 min Scan# 710
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		531611		
99	64.2	51.8		77.8	
61	41.7	33.8		50.6	





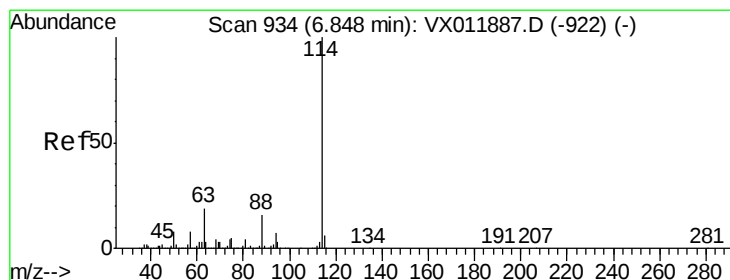
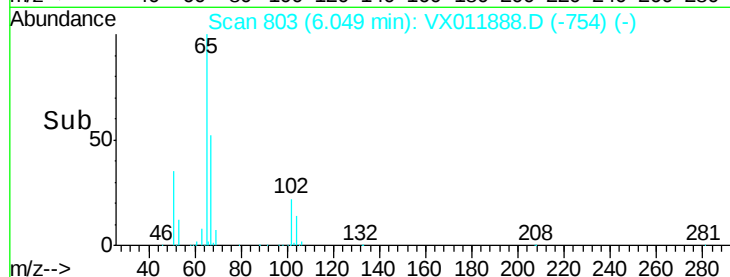
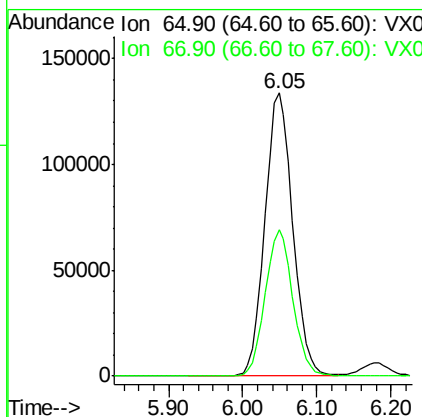
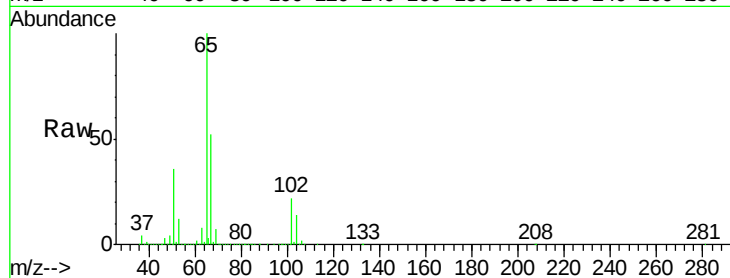
#33
 1,2-Dichloroethane-d4
 Concen: 100.103 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VX011888.D
 Acq: 29 Aug 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.1	0.0	102.2	

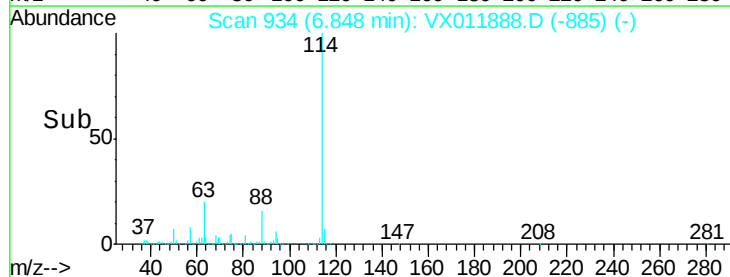
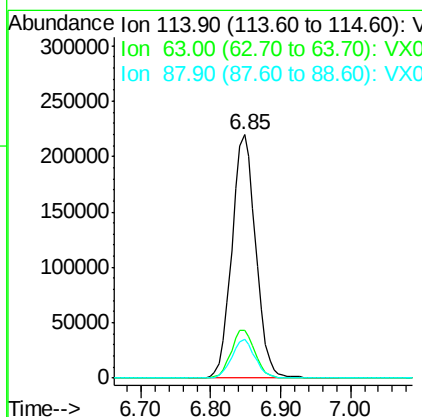
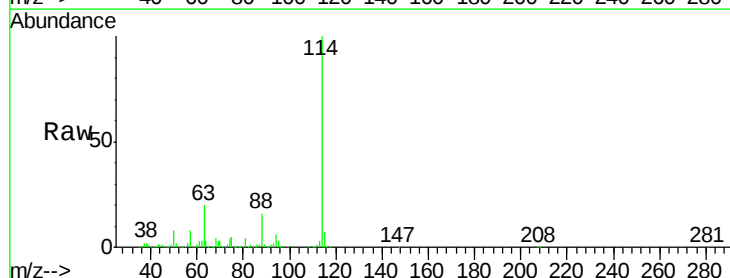
Manual Integrations
 APPROVED

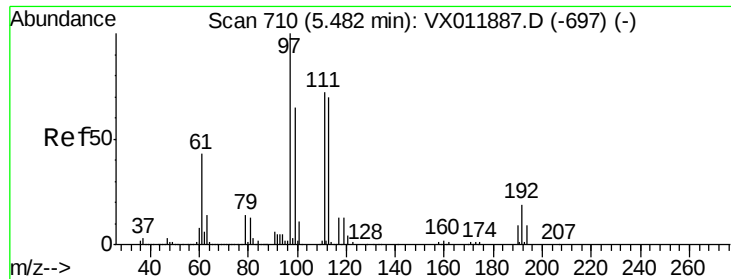
MMDadoda
 9/3/2019 2:39:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VX011888.D
 Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	38.8	
88	15.9	0.0	31.2	





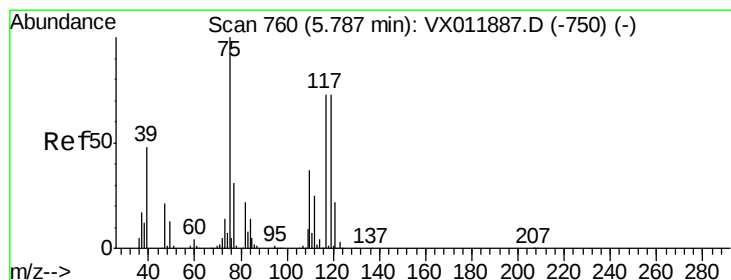
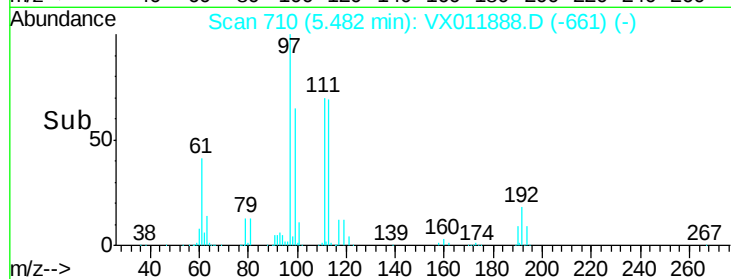
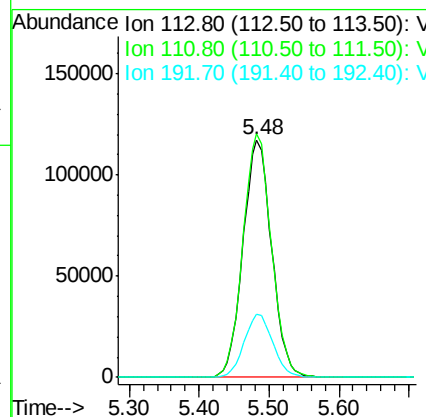
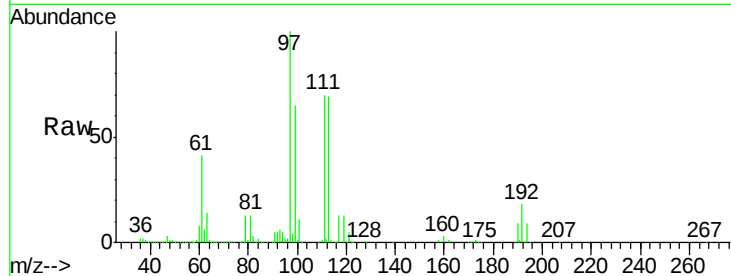
#35
 Dibromofluoromethane
 Concen: 103.186 ug/l
 RT: 5.48 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VX011888.D
 Acq: 29 Aug 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.1	123.1
192	26.7	21.5	32.3

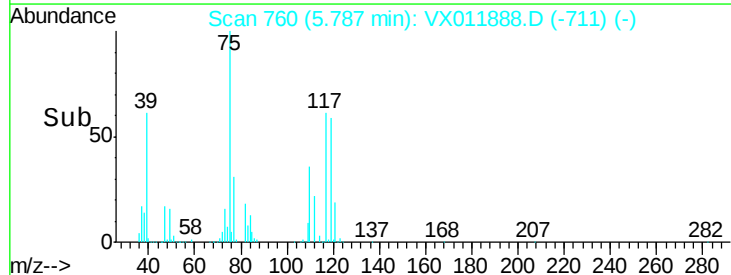
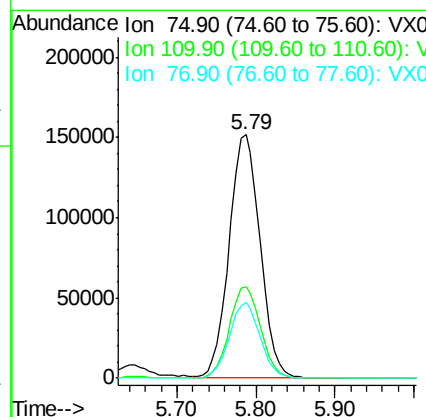
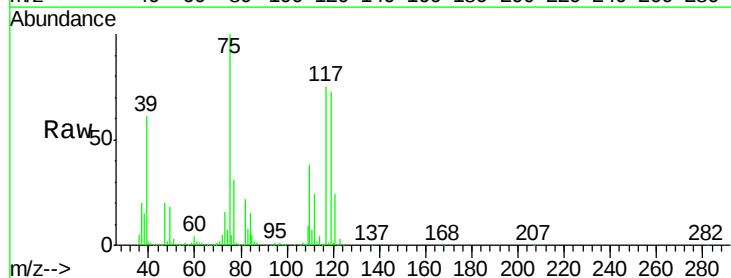
Manual Integrations
 APPROVED

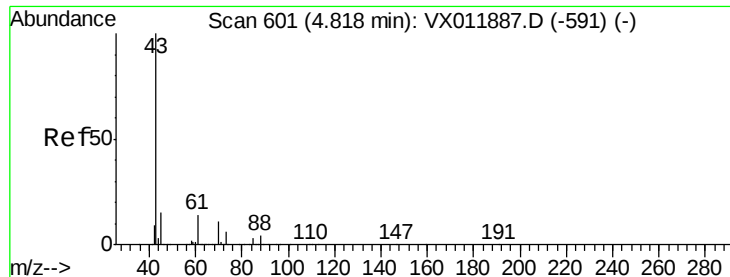
MMDadoda
 9/3/2019 2:39:19 AM



#36
 1,1-Dichloropropene
 Concen: 100.795 ug/l
 RT: 5.79 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VX011888.D
 Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	19.1	57.3
77	30.7	24.4	36.6





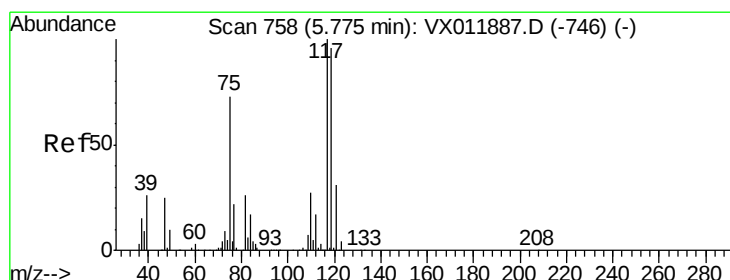
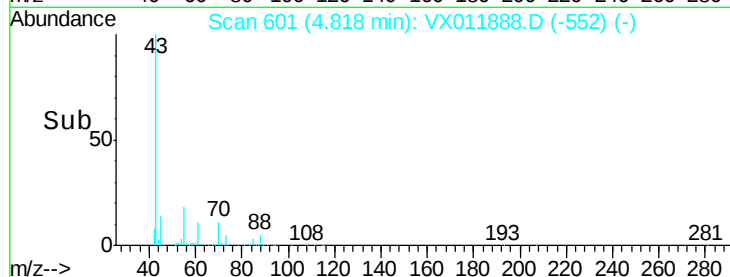
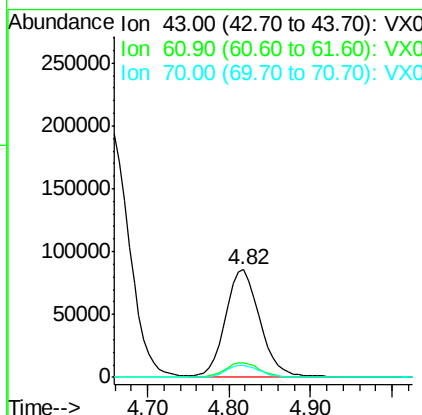
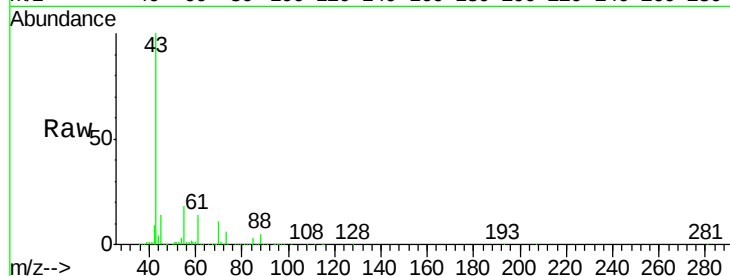
#37
Ethyl Acetate
Concen: 127.444 ug/l
RT: 4.82 min Scan# 601
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	11.3	9.2	13.8

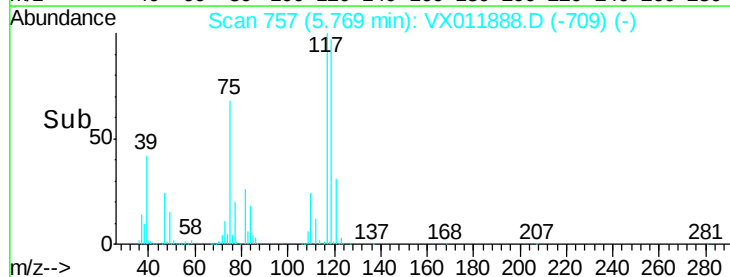
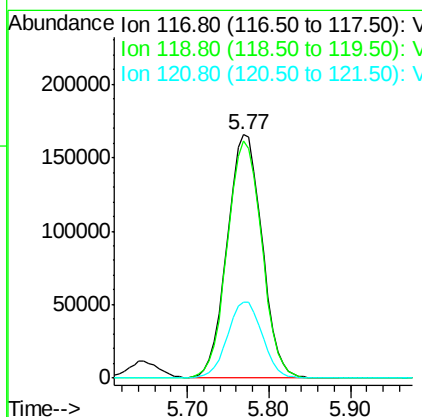
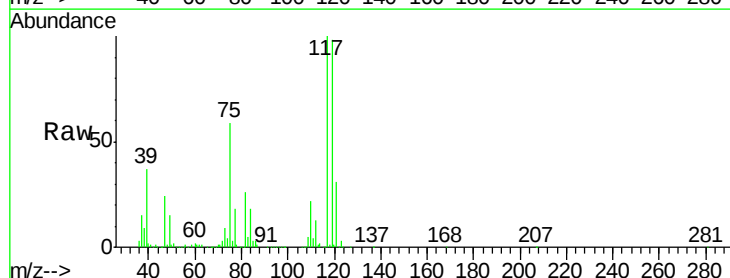
Manual Integrations
APPROVED

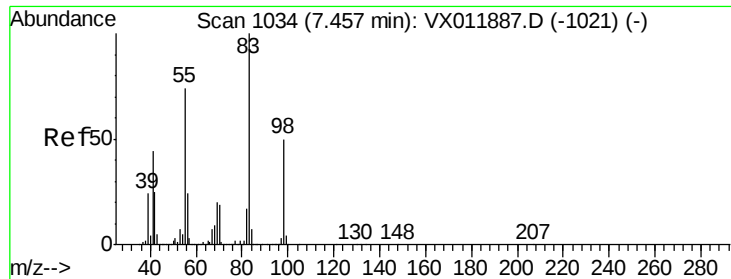
MMDadoda
9/3/2019 2:39:19 AM



#38
Carbon Tetrachloride
Concen: 121.838 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.6	114.8
121	31.4	24.7	37.1





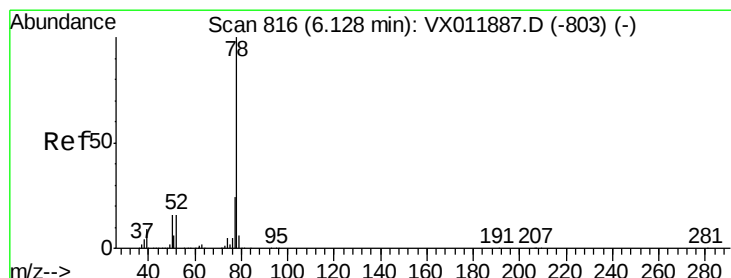
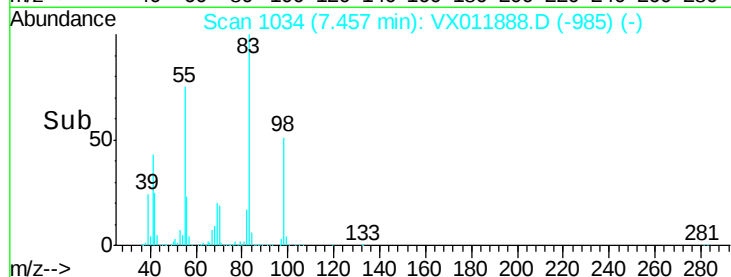
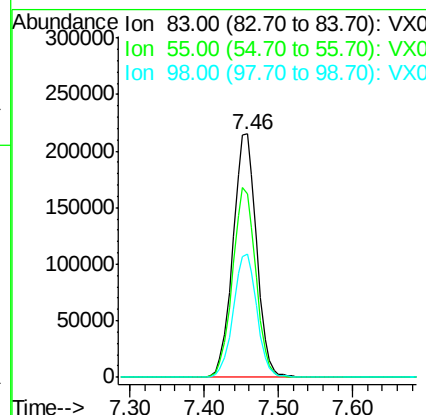
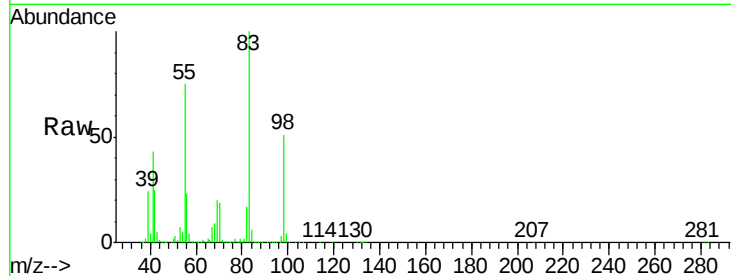
#39
Methvlcvclohexane
Concen: 97.067 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	59.4	89.0
98	50.6	40.3	60.5

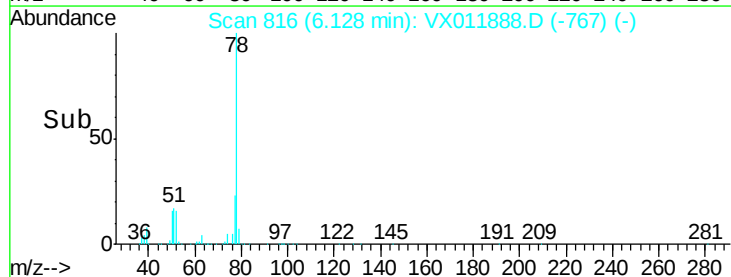
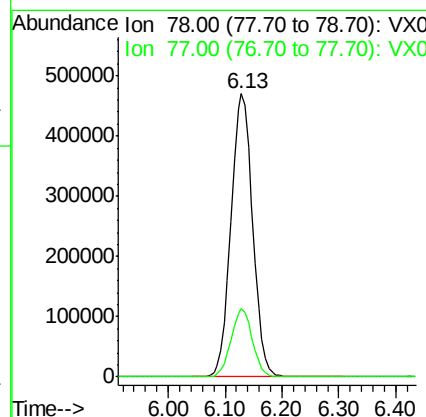
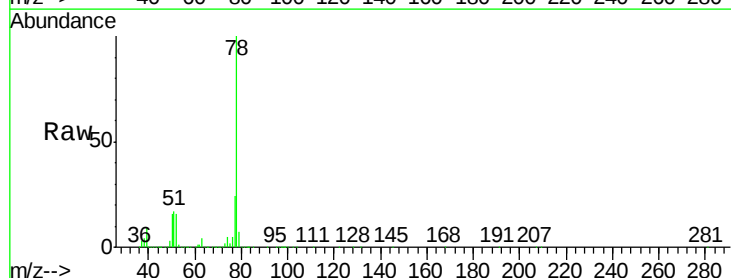
Manual Integrations
APPROVED

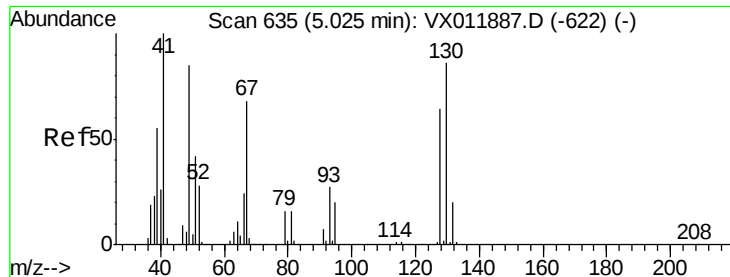
MMDadoda
9/3/2019 2:39:19 AM



#40
Benzene
Concen: 101.592 ug/l
RT: 6.13 min Scan# 816
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





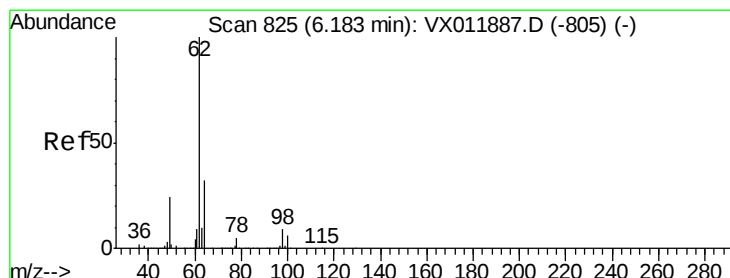
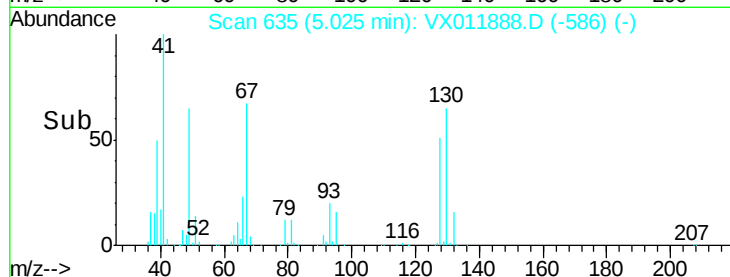
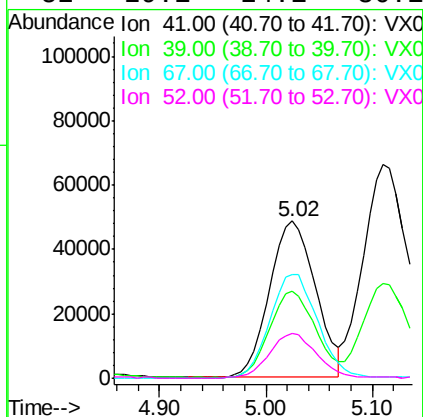
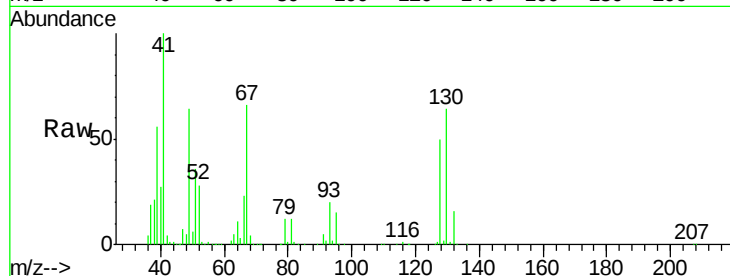
#41
Methacrylonitrile
Concen: 110.789 ug/l
RT: 5.02 min Scan# 635
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		146123		
39	55.2	45.0	67.6		
67	68.6	55.0	82.4		
52	29.1	24.1	36.1		

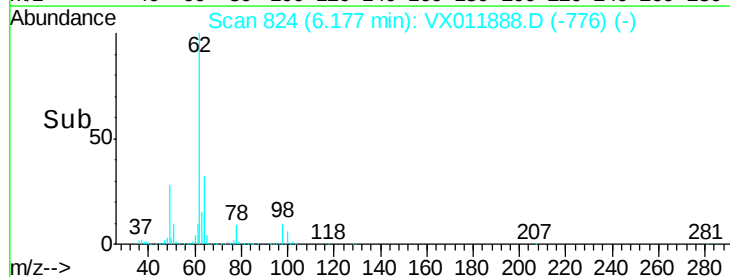
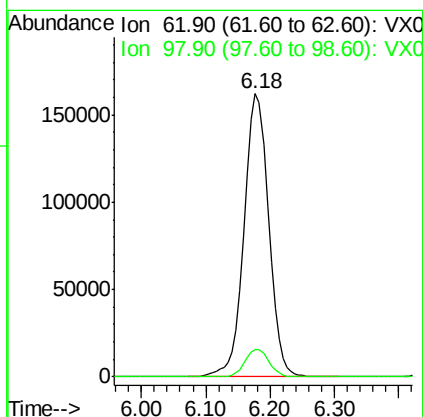
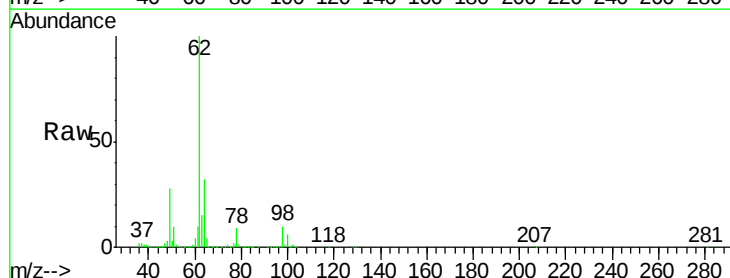
Manual Integrations
APPROVED

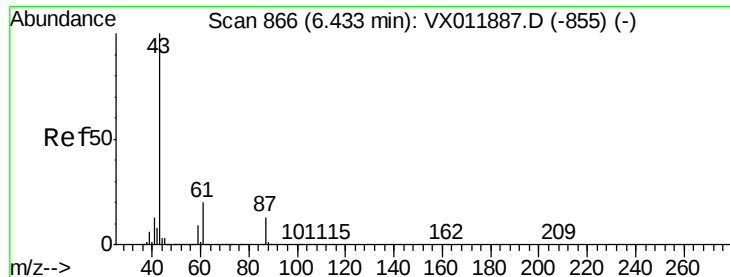
MMDadoda
9/3/2019 2:39:19 AM



#42
1,2-Dichloroethane
Concen: 103.584 ug/l
RT: 6.18 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		424493		
98	9.5	0.0	19.2		





#43

Isopropyl Acetate

Concen: 130.257 ug/l

RT: 6.43 min Scan# 866

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

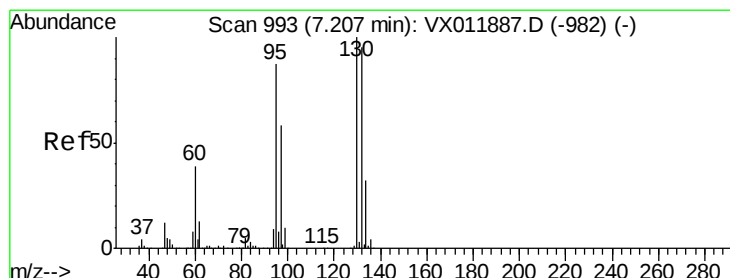
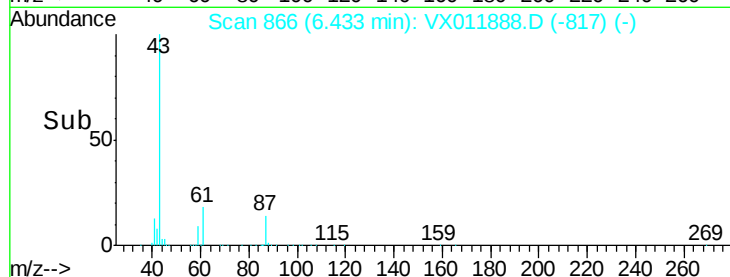
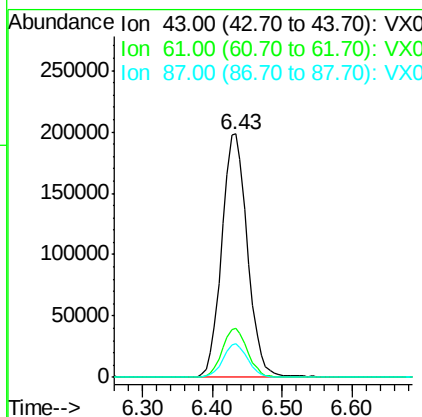
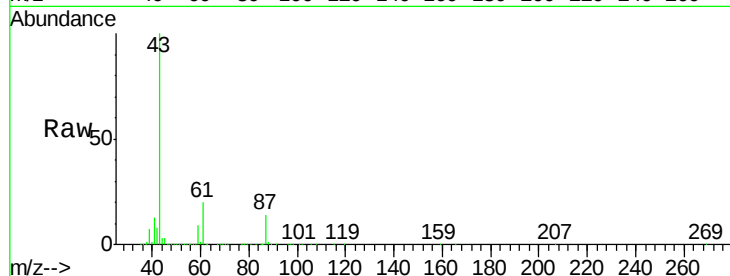
ClientSampled :

VSTDIC100

Tot Ion:	43	Resp:	502693
Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.1	24.1
87	13.4	10.6	16.0

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 91.510 ug/l

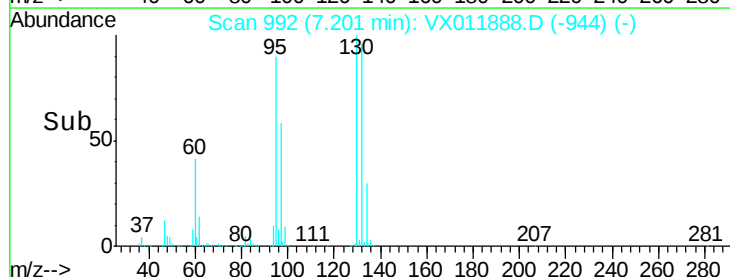
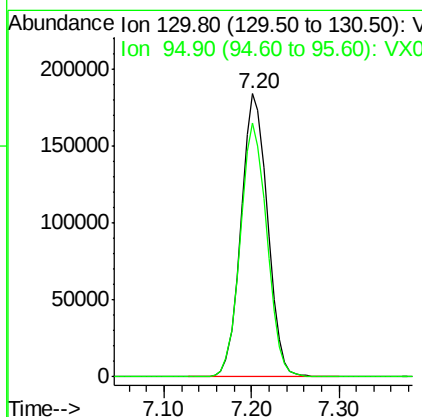
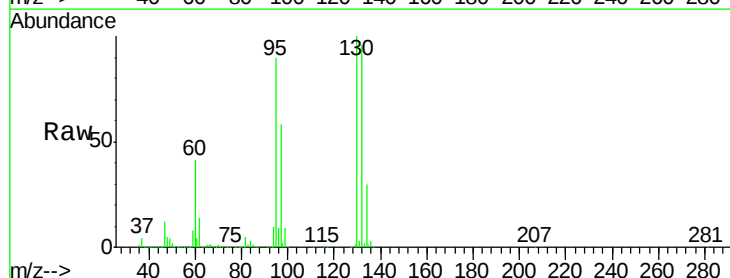
RT: 7.20 min Scan# 992

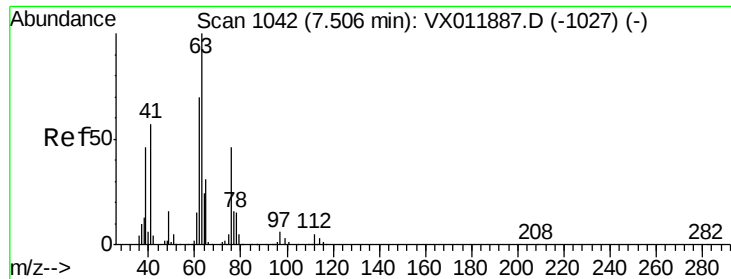
Delta R.T. -0.01 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Tgt Ion:	130	Resp:	388083
Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	174.6





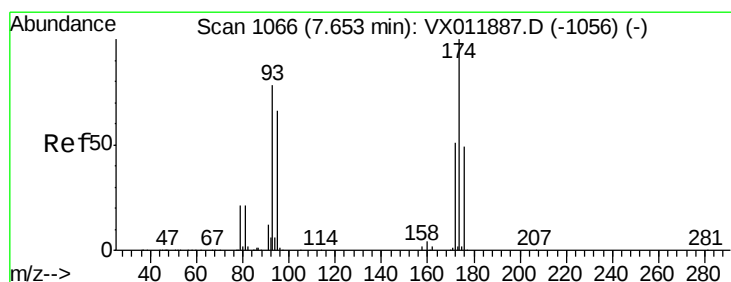
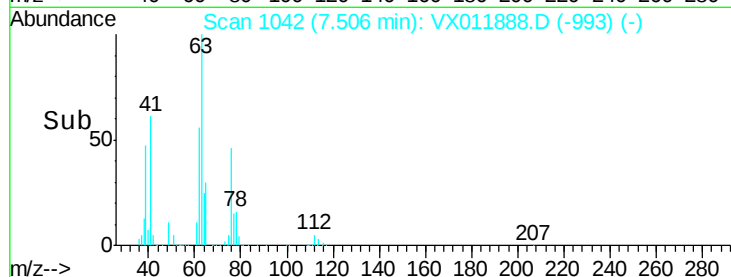
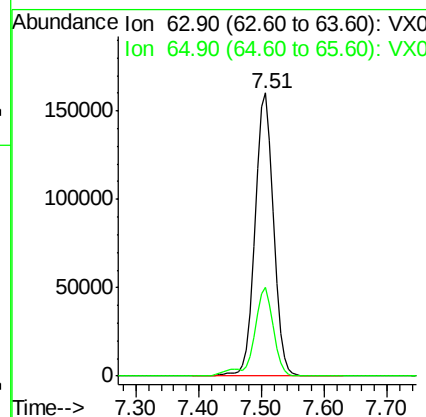
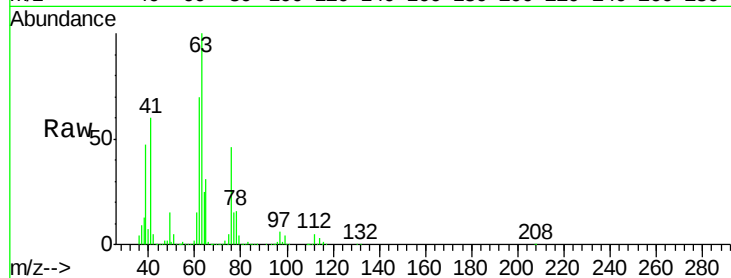
#45
 1,2-Dichloropropane
 Concen: 104.574 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VX011888.D
 Acq: 29 Aug 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.1	37.7

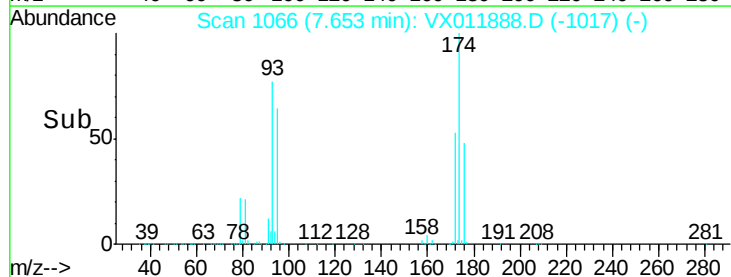
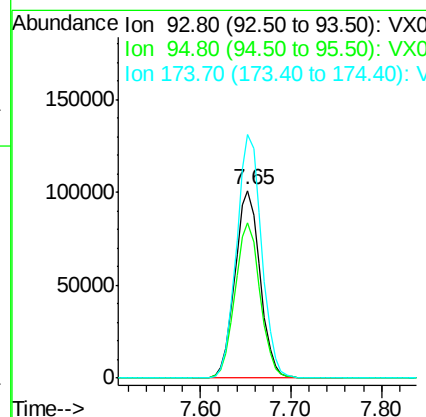
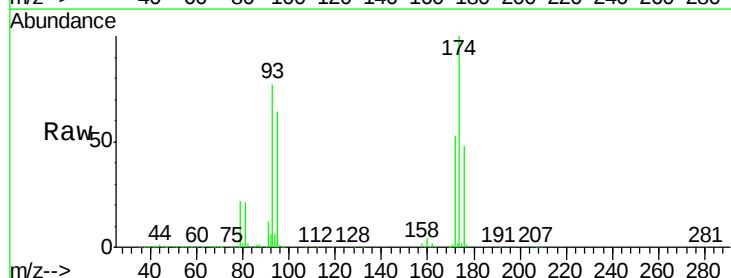
Manual Integrations
 APPROVED

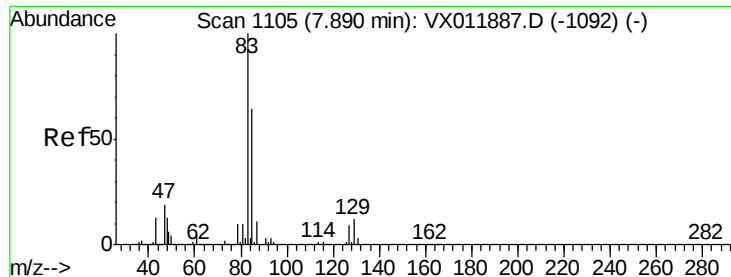
MMDadoda
 9/3/2019 2:39:19 AM



#46
 Dibromomethane
 Concen: 103.907 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VX011888.D
 Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.7	98.5
174	129.5	104.2	156.4





#47

Bromodichloromethane

Concen: 111.542 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

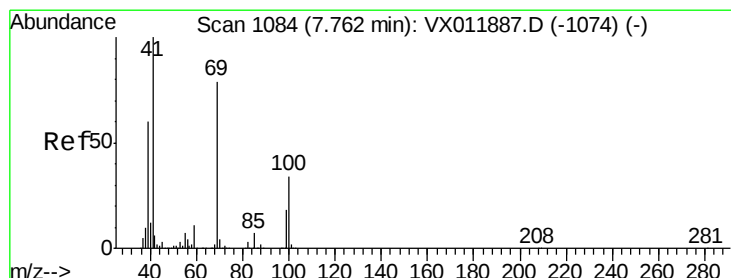
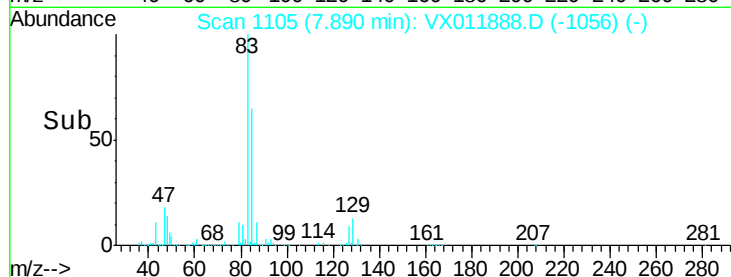
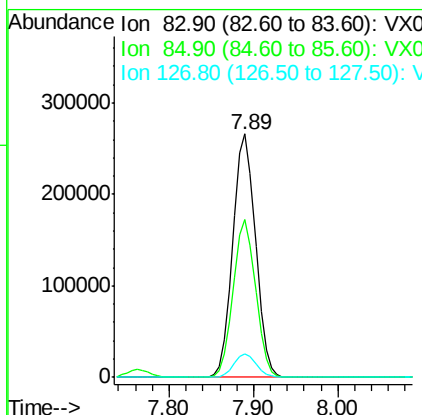
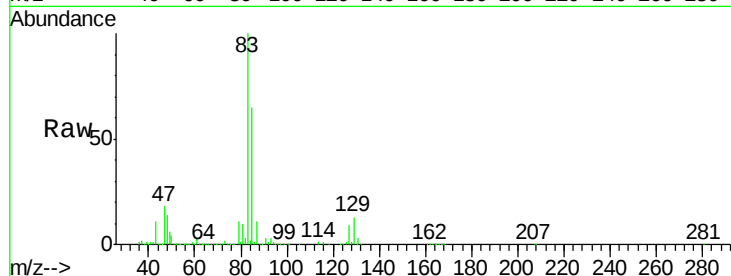
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	483614
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.1	76.7
127	9.5	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:39:19 AM



#48

Methyl methacrylate

Concen: 128.842 ug/l

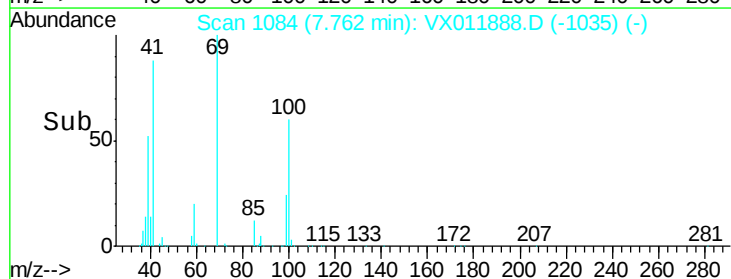
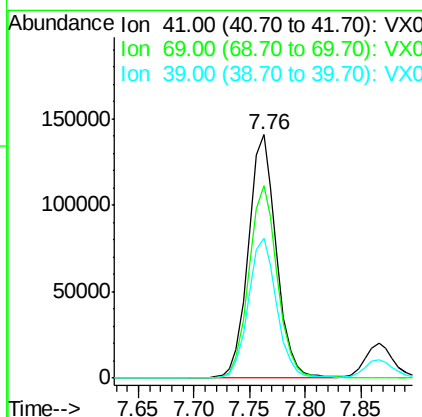
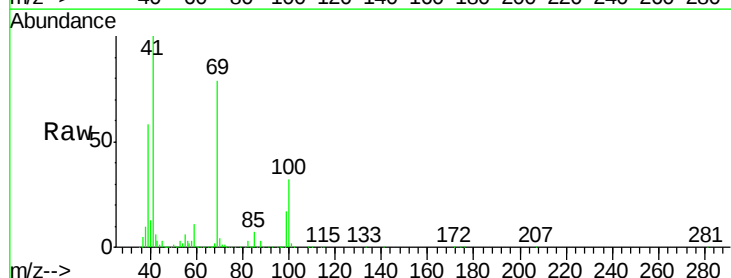
RT: 7.76 min Scan# 1084

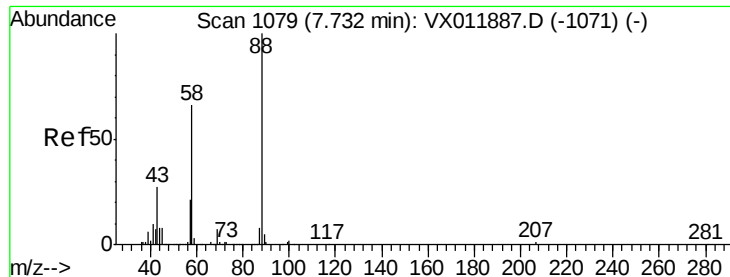
Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Tgt Ion:	41	Resp:	244611
Ion Ratio	Lower	Upper	
41	100		
69	80.6	64.4	96.6
39	58.4	47.2	70.8





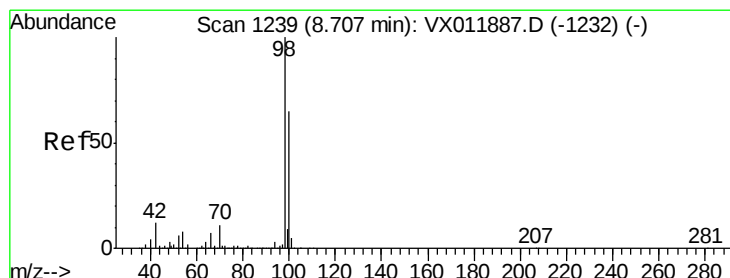
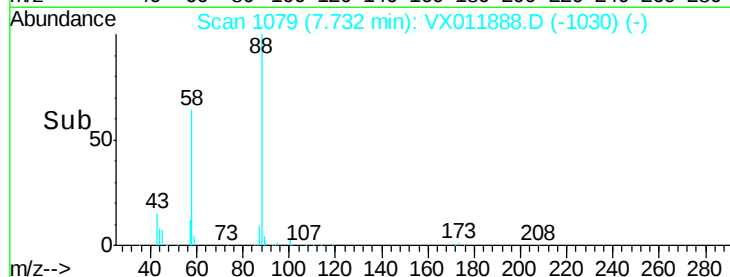
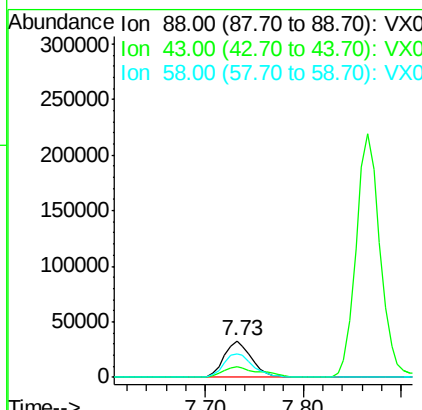
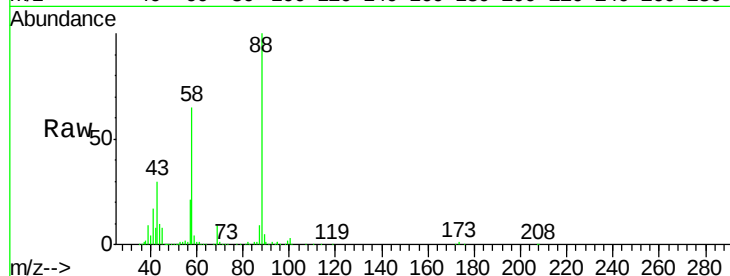
#49
1,4-Dioxane
Concen: 2319.849 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	27.3	40.9
58	68.8	53.9	80.9

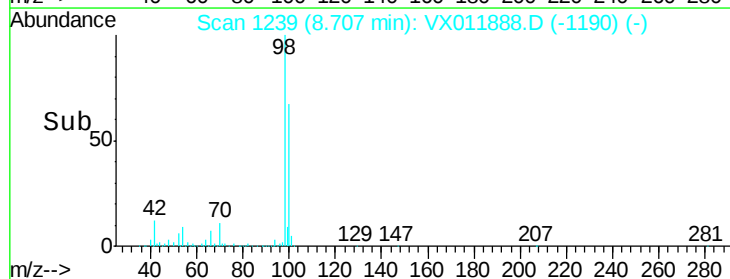
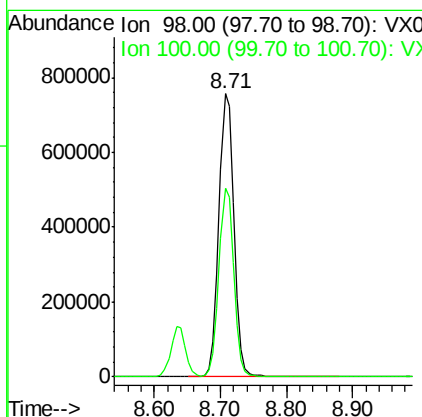
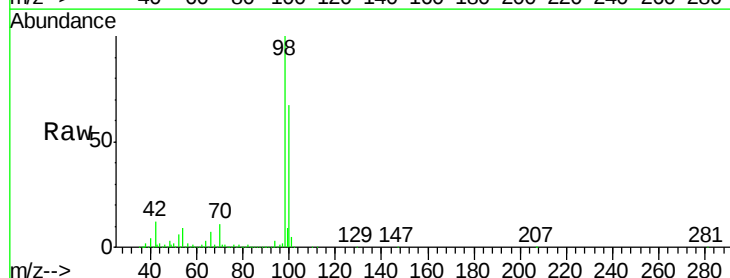
Manual Integrations
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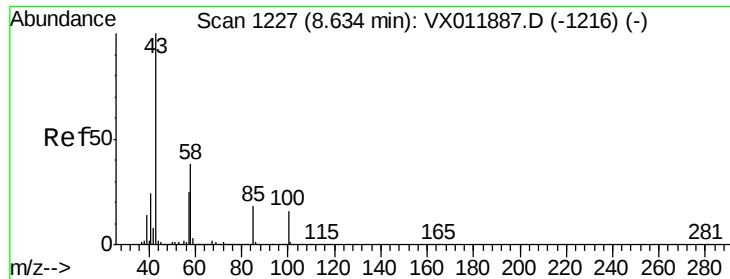
MMDadoda
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#50
Toluene-d8
Concen: 101.150 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.6





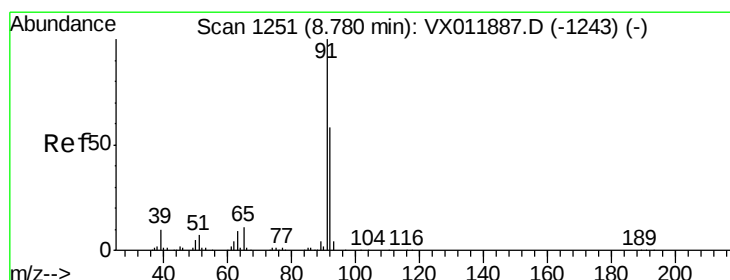
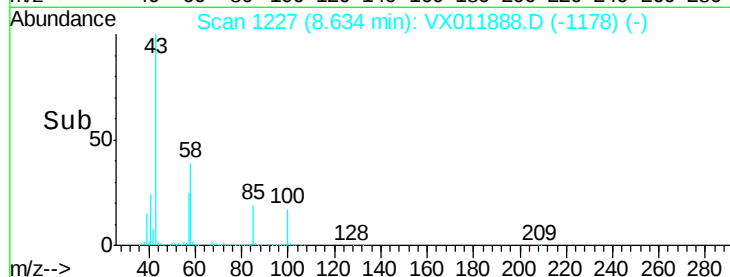
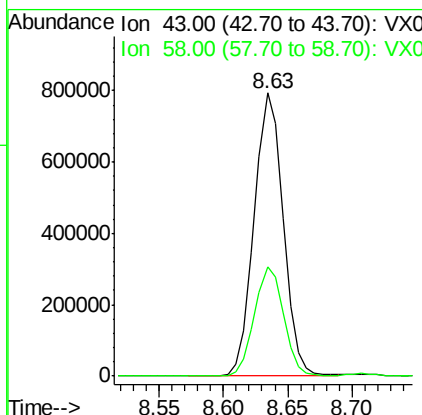
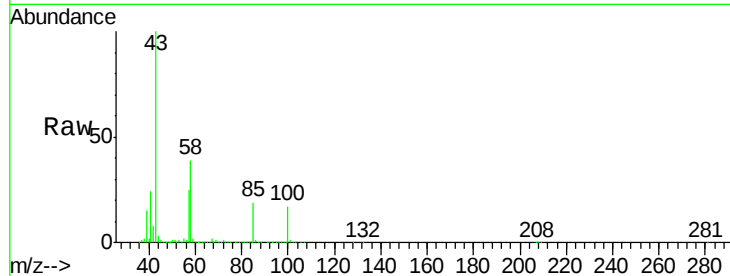
#51
4-Methyl-2-Pentanone
Concen: 603.223 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1239046
Ion Ratio Lower Upper
43 100
58 38.8 30.9 46.3

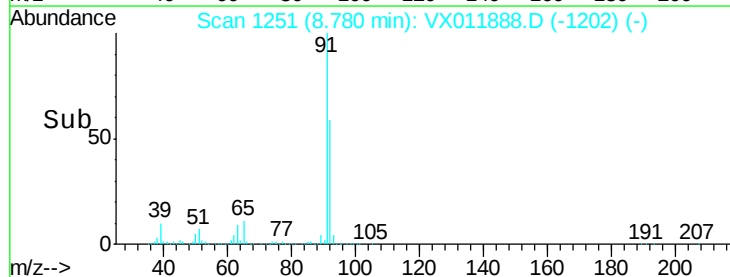
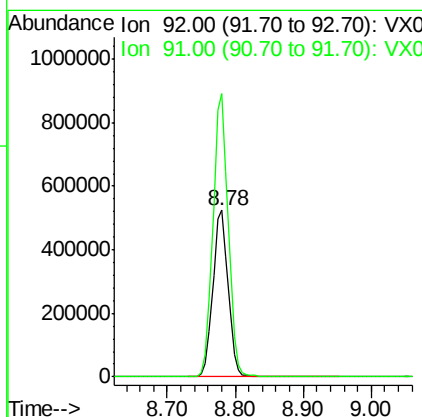
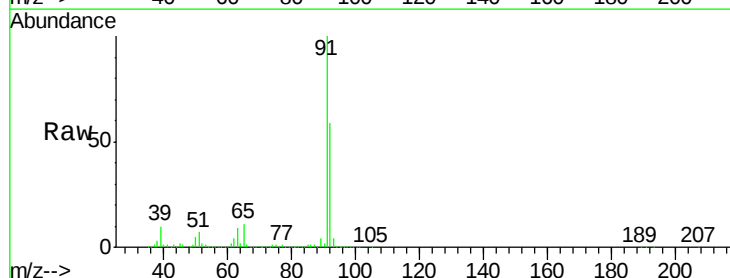
Manual Integrations
APPROVED

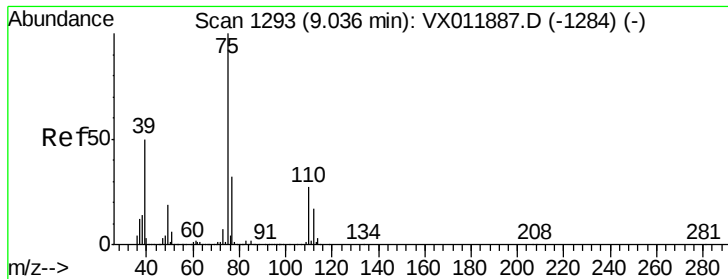
MMDadoda
9/3/2019 2:39:19 AM



#52
Toluene
Concen: 101.641 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion: 92 Resp: 818223
Ion Ratio Lower Upper
92 100
91 169.6 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 147.577 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 499566

Ion Ratio Lower Upper

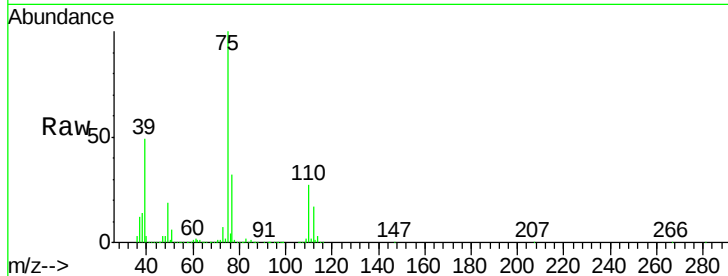
75 100

77 31.7 25.6 38.4

Manual Integrations
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9/3/2019 2:39:19 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

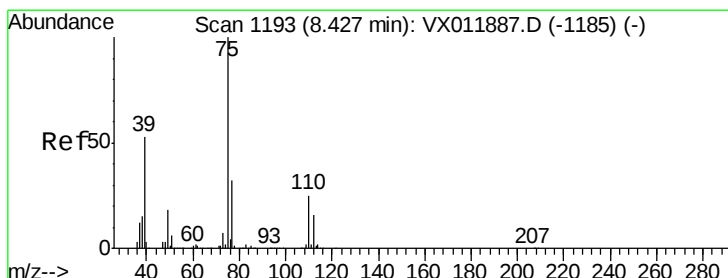
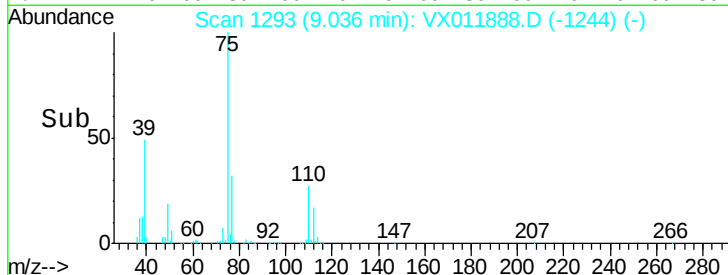
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 128.176 ug/l

RT: 8.43 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

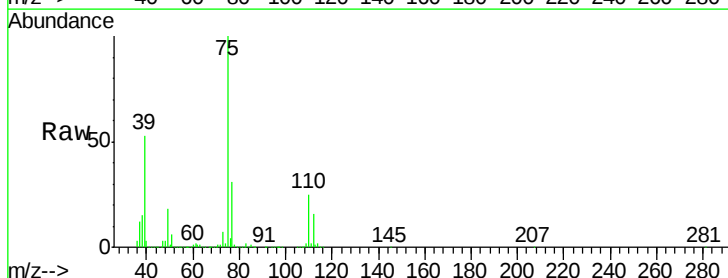
Tgt Ion: 75 Resp: 555658

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

39 53.4 42.6 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

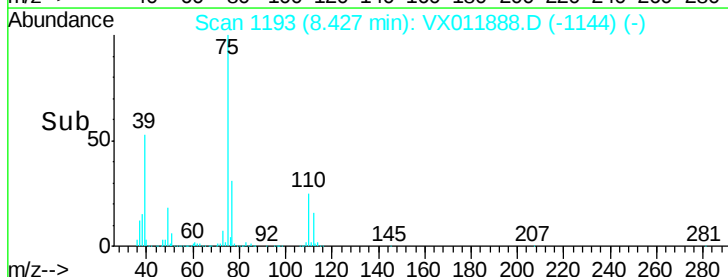
300000

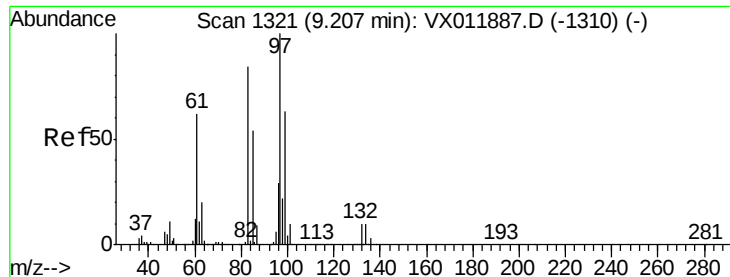
200000

100000

0

Time-->





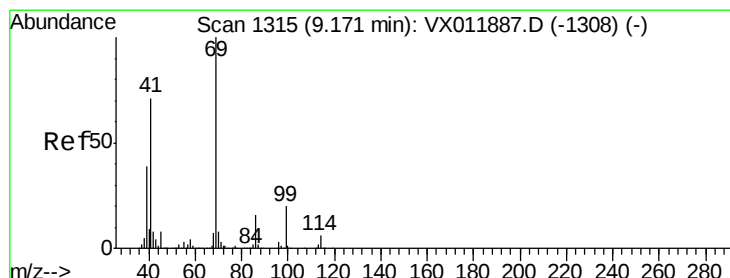
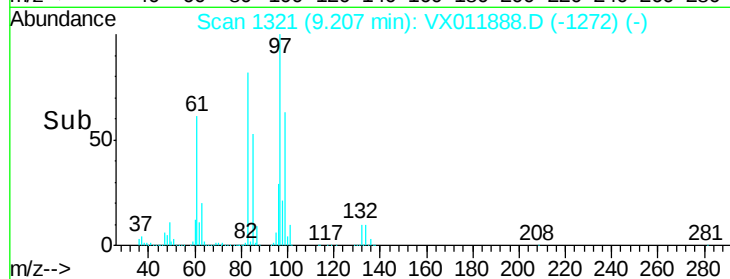
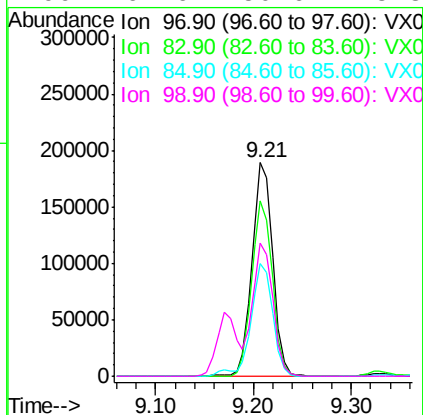
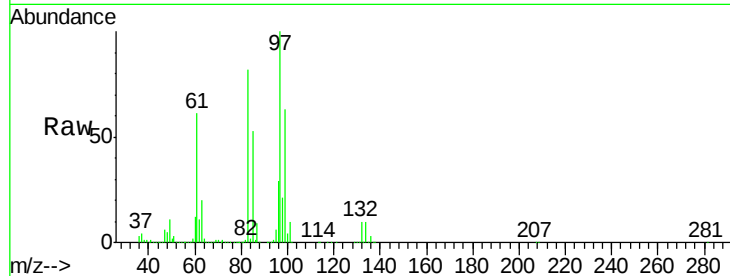
#55
 1,1,2-Trichloroethane
 Concen: 109.362 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VX011888.D
 Acq: 29 Aug 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		277955		
83	82.0	66.8	100.2		
85	52.7	43.5	65.3		
99	62.6	50.6	75.8		

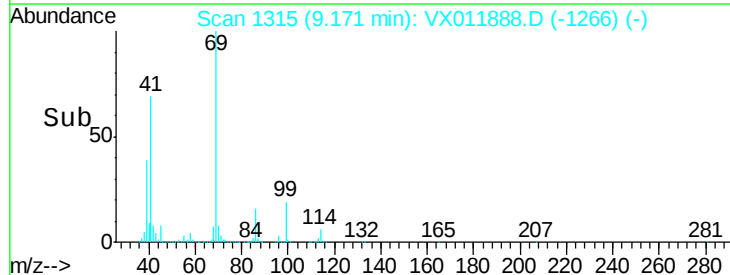
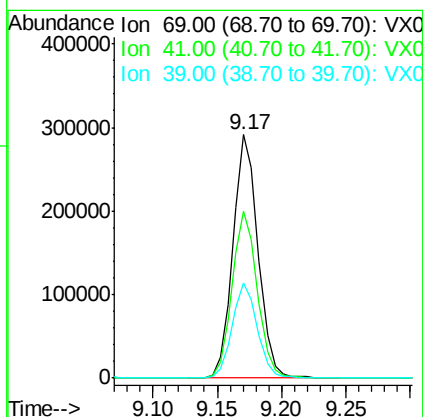
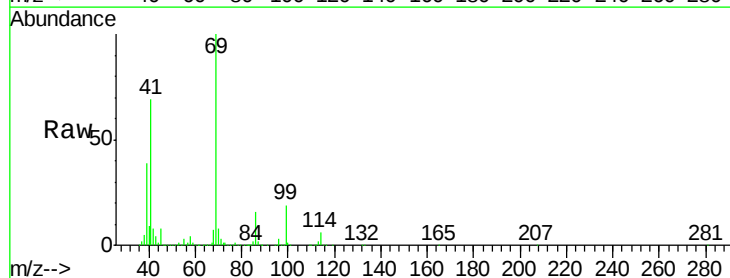
Manual Integrations
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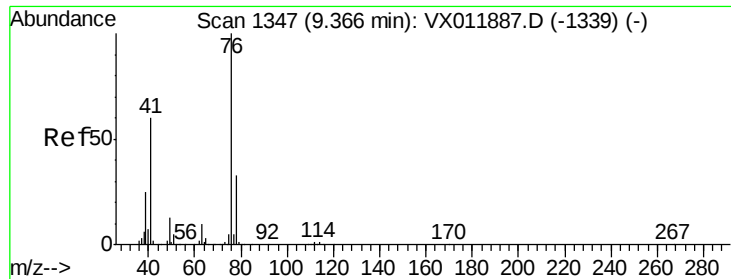
MMDadoda
 9/3/2019 2:39:19 AM



#56
 Ethyl methacrylate
 Concen: 149.771 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VX011888.D
 Acq: 29 Aug 2019 22:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		395191		
41	69.0	55.8	83.8		
39	38.8	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 113.065 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 463920

Ion Ratio Lower Upper

76 100

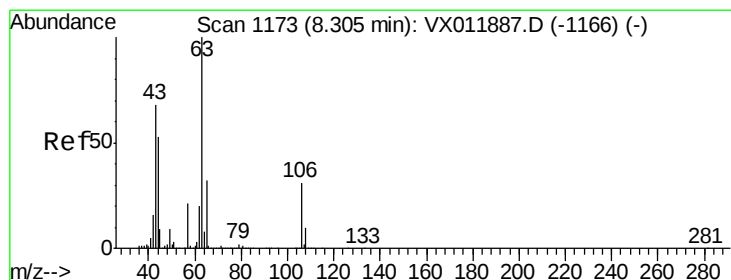
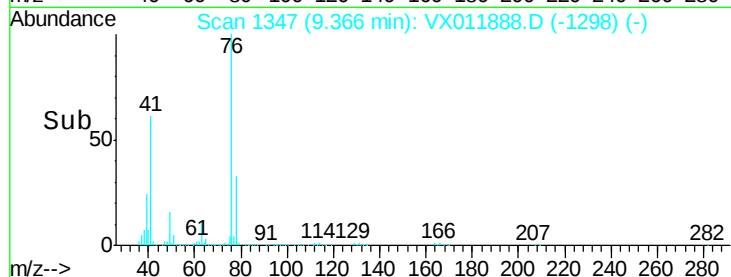
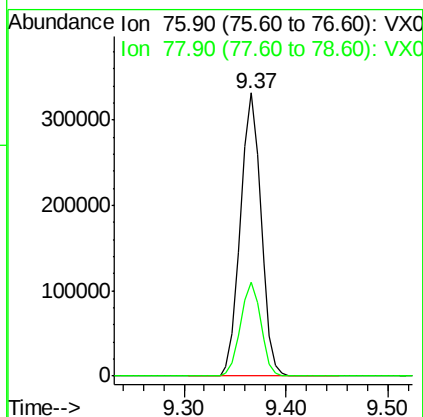
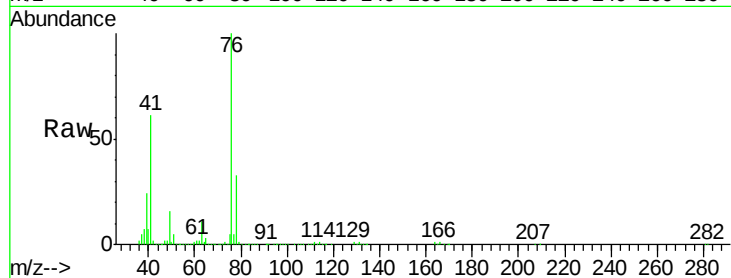
78 32.9 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

9/3/2019 2:39:19 AM



#58

2-Chloroethyl Vinyl ether

Concen: 1054.397 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011888.D

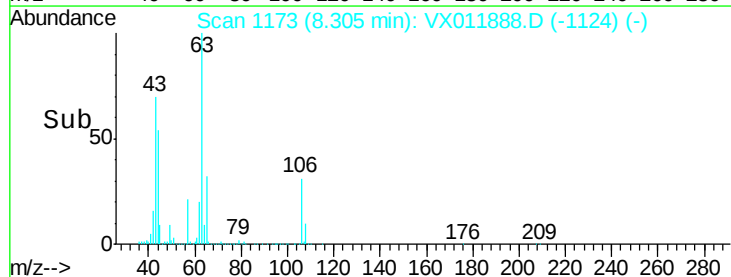
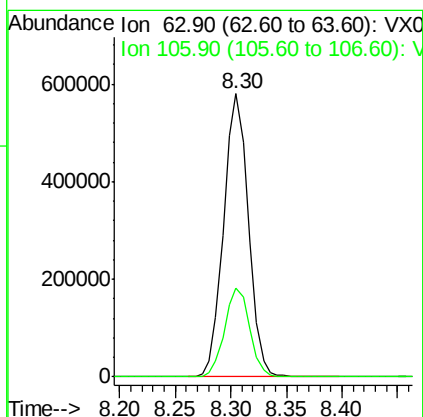
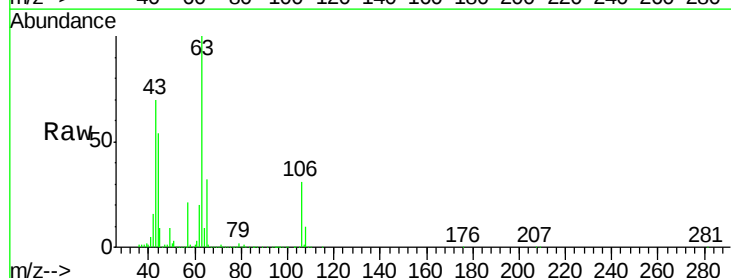
Acq: 29 Aug 2019 22:36

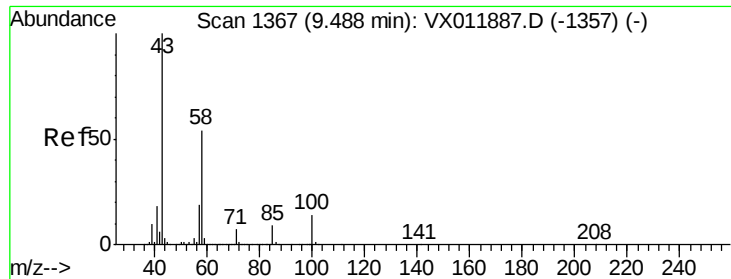
Tgt Ion: 63 Resp: 894282

Ion Ratio Lower Upper

63 100

106 31.7 24.8 37.2





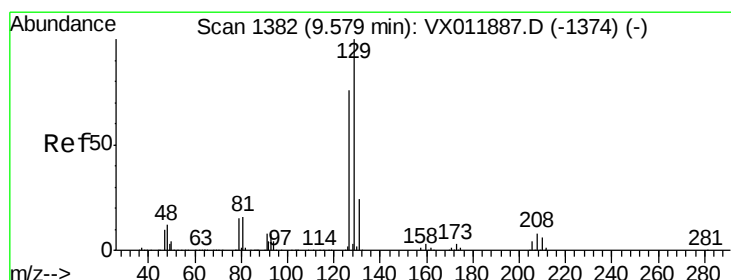
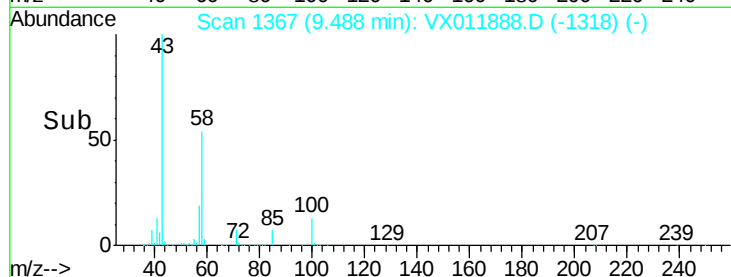
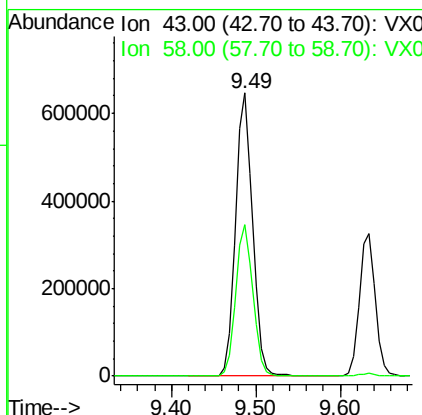
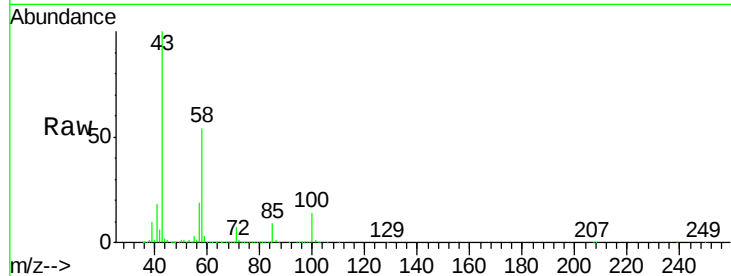
#59
2-Hexanone
Concen: 651.660 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 879557
Ion Ratio Lower Upper
43 100
58 54.0 26.8 80.4

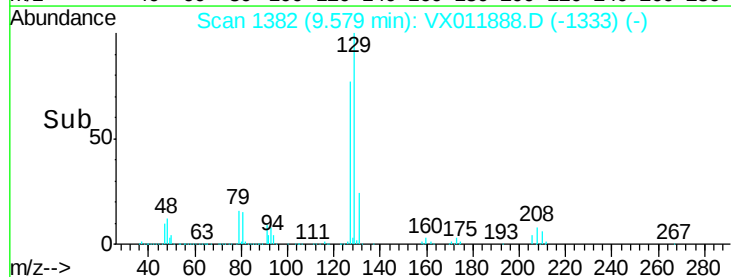
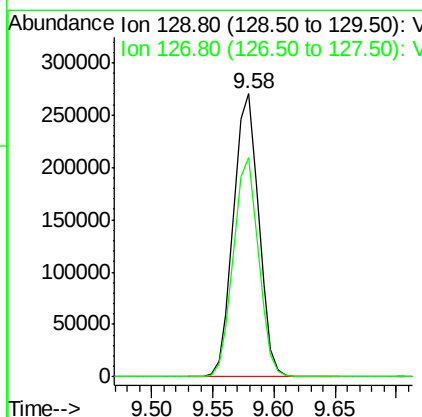
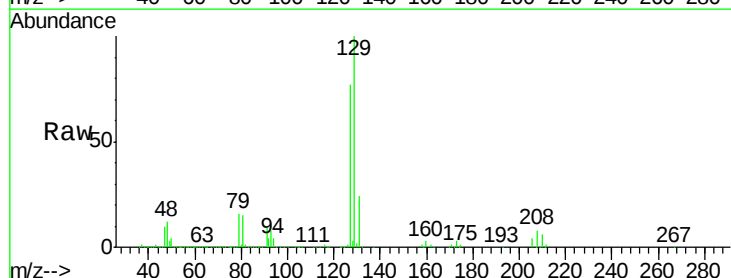
Manual Integrations
APPROVED

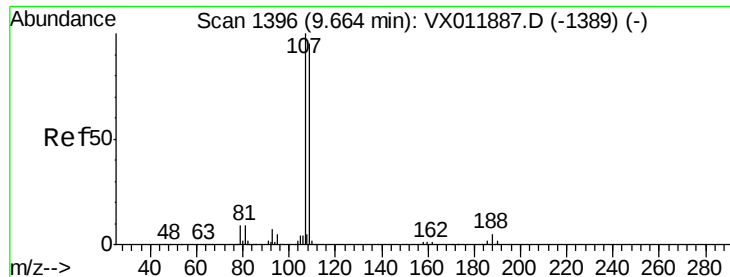
MMDadoda
9/3/2019 2:39:19 AM



#60
Dibromochloromethane
Concen: 118.108 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion: 129 Resp: 386404
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.7





#61

1,2-Dibromoethane

Concen: 117.542 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 280266

Ion Ratio Lower Upper

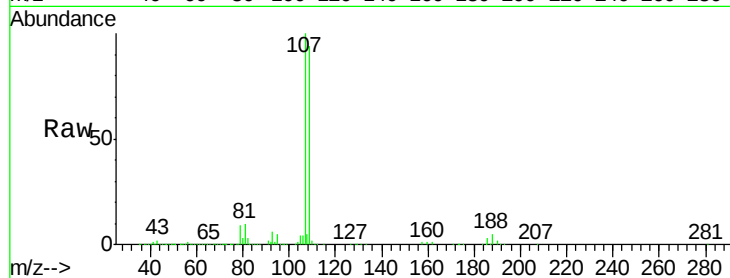
107 100

109 94.8 75.3 112.9

Manual Integrations
APPROVED

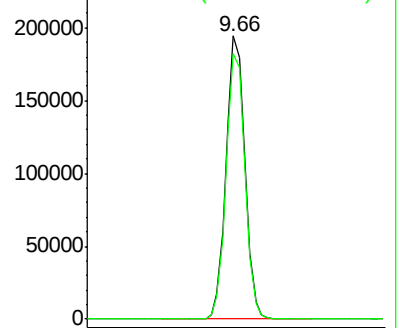
MMDadoda

9/3/2019 2:39:19 AM

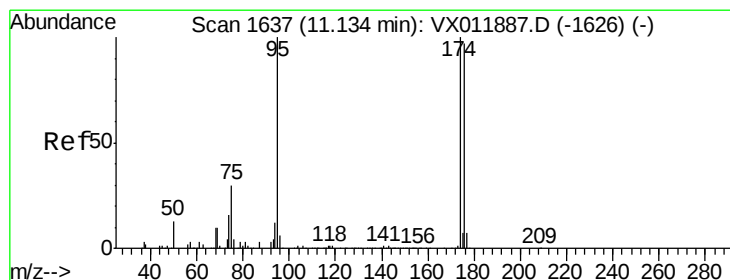
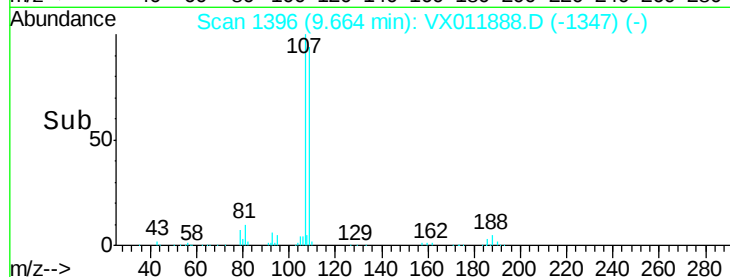


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 92.834 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

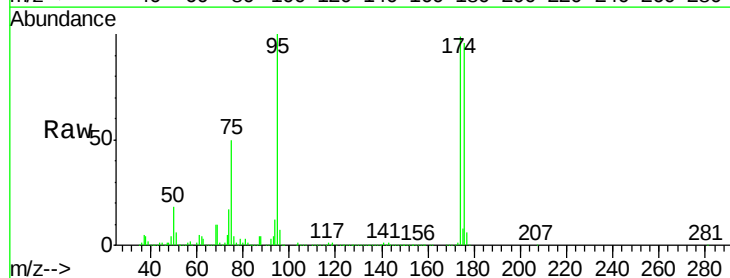
Tgt Ion: 95 Resp: 481934

Ion Ratio Lower Upper

95 100

174 99.7 0.0 196.0

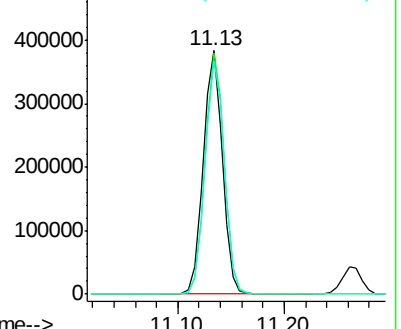
176 96.9 0.0 191.4



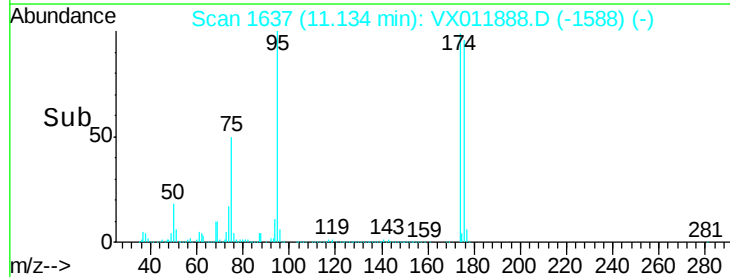
Abundance Ion 94.90 (94.60 to 95.60): VX0

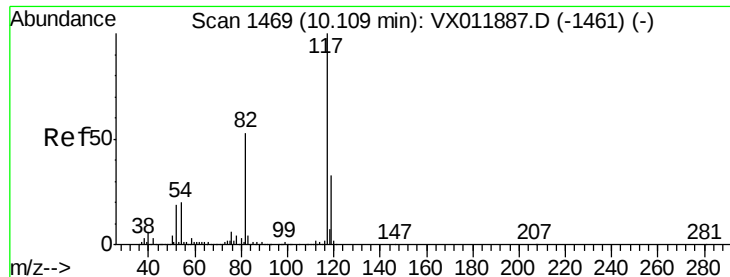
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





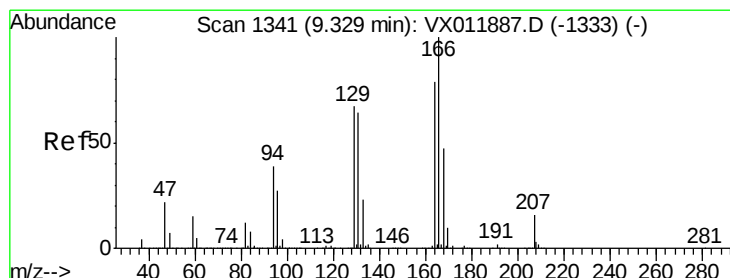
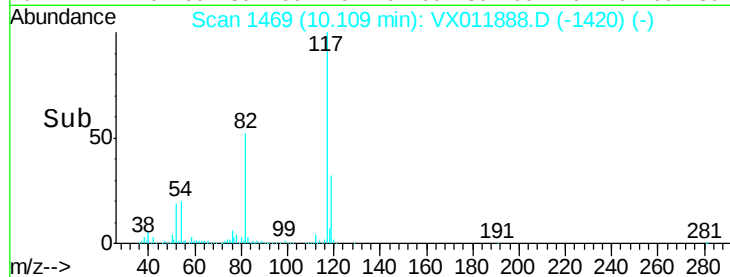
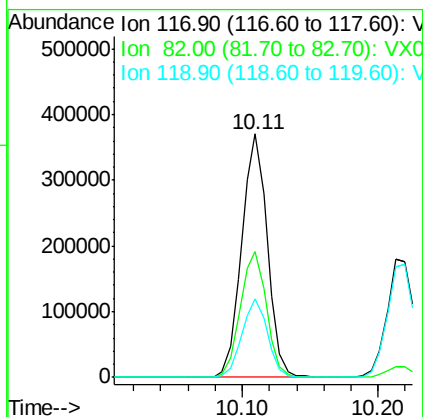
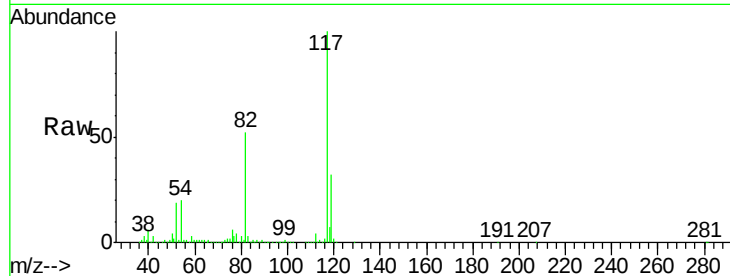
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	488218		
82	51.7	42.0	63.0	
119	32.0	26.2	39.4	

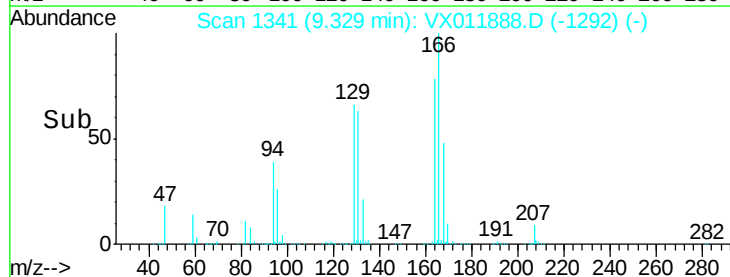
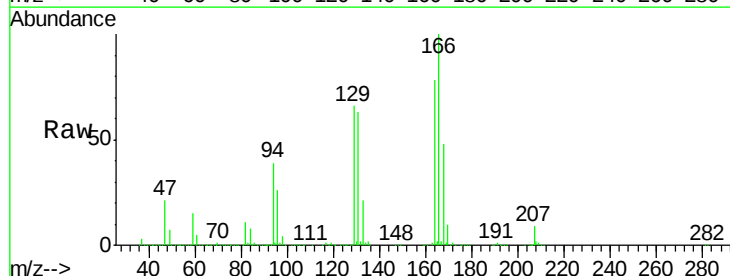
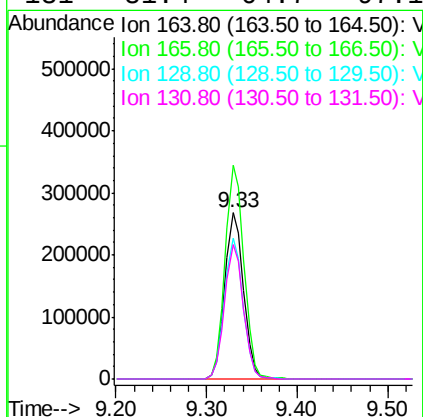
Manual Integrations
APPROVED

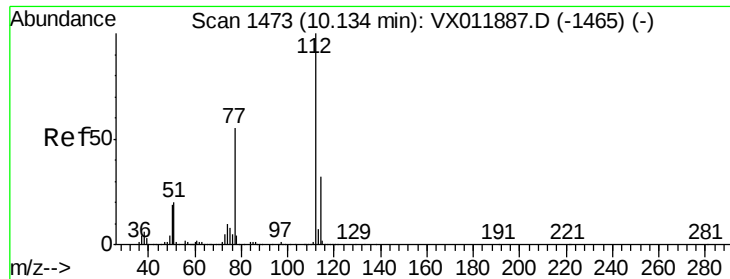
MMDadoda
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#64
Tetrachloroethene
Concen: 79.587 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	387260		
166	128.8	101.4	152.0	
129	84.8	68.0	102.0	
131	81.4	64.7	97.1	





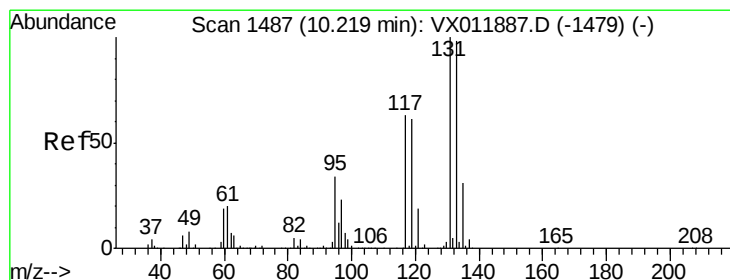
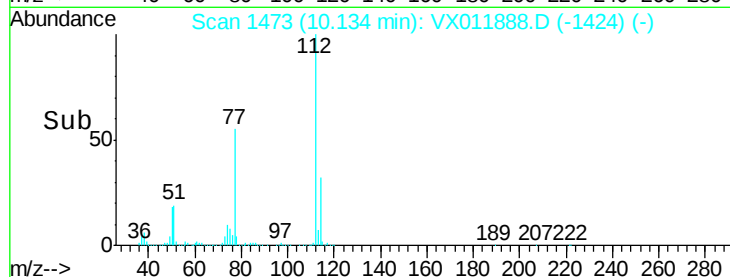
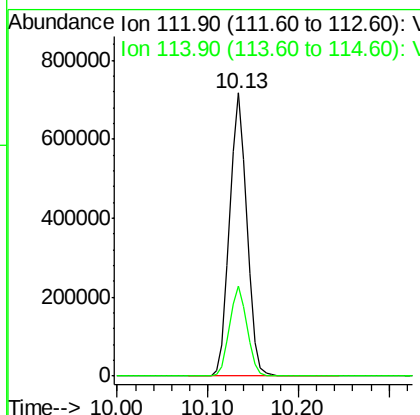
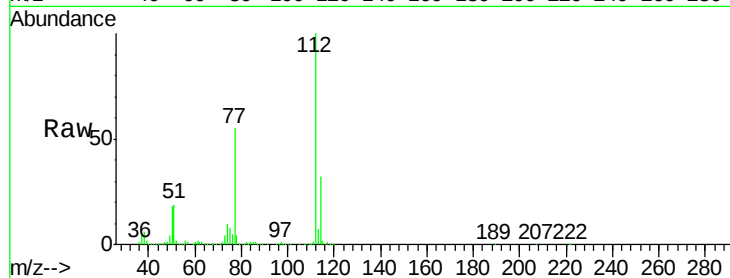
#65
Chlorobenzene
Concen: 103.051 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
112	100	951855		
114	32.0	25.9	38.9	

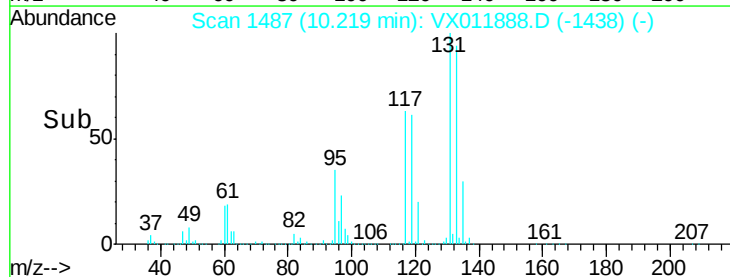
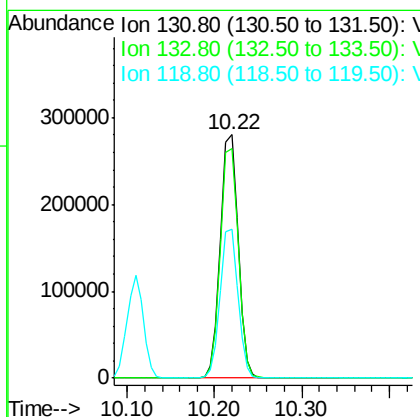
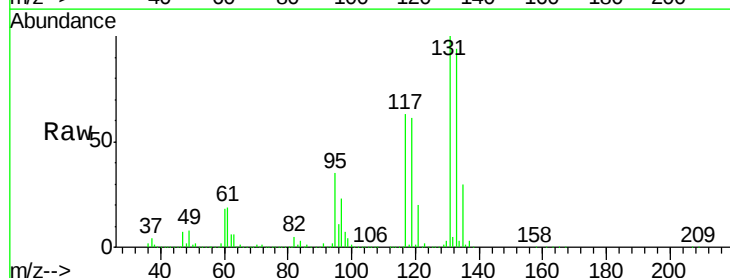
Manual Integrations
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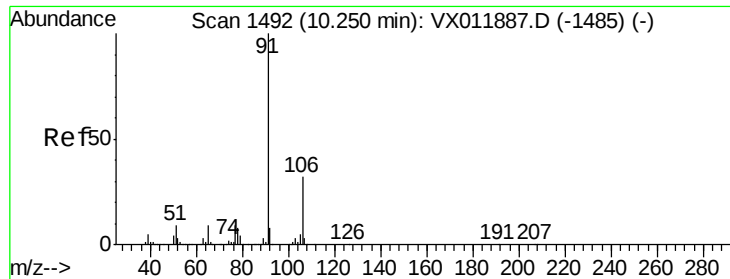
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 118.435 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	393336		
133	95.6	48.4	145.0	
119	61.2	30.6	92.0	





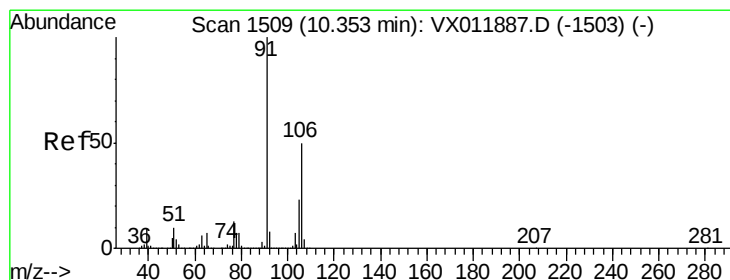
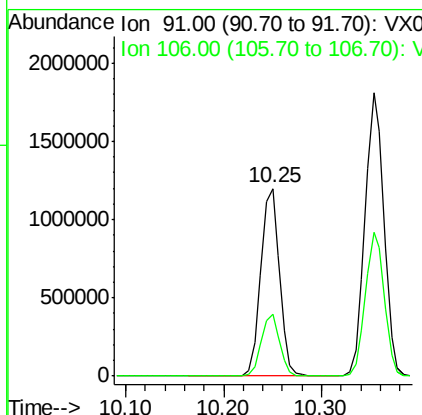
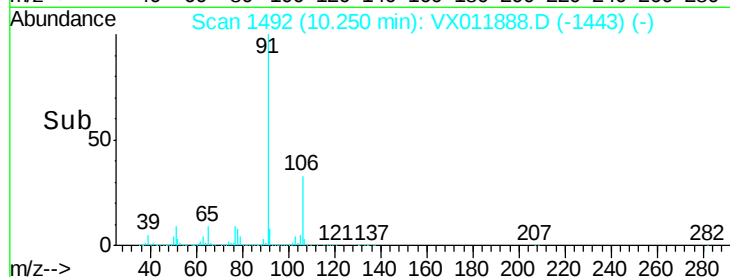
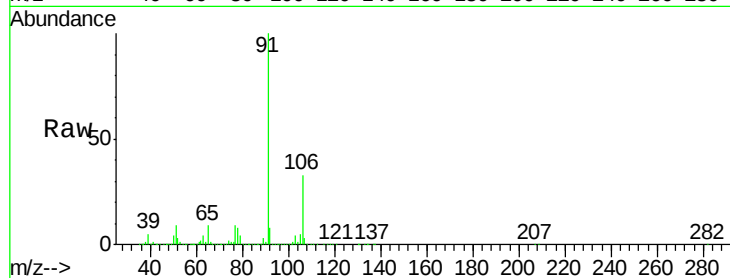
#67
Ethyl Benzene
Concen: 101.537 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1603537
Ion Ratio Lower Upper
91 100
106 32.7 25.8 38.8

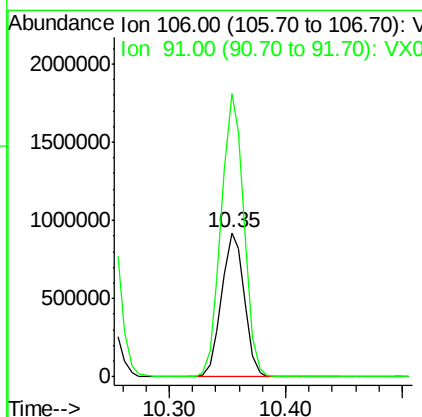
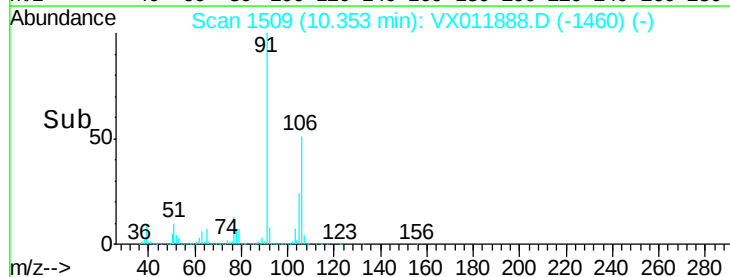
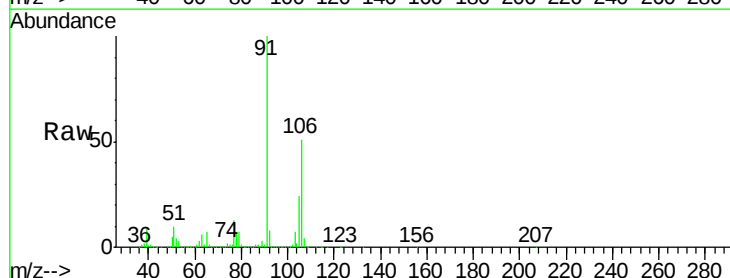
Manual Integrations
APPROVED

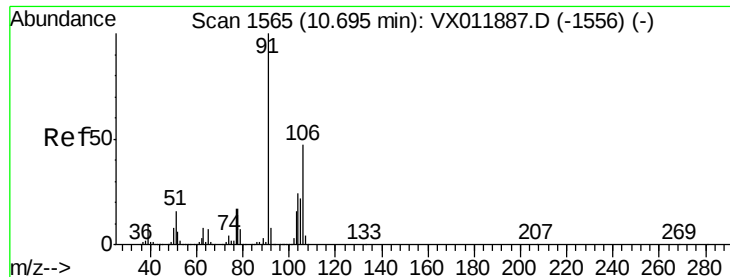
MMDadoda
9/3/2019 2:39:19 AM



#68
m/p-Xylenes
Concen: 203.557 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion: 106 Resp: 1241796
Ion Ratio Lower Upper
106 100
91 196.3 158.6 237.8





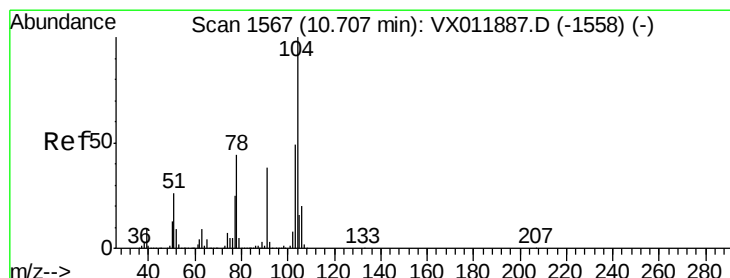
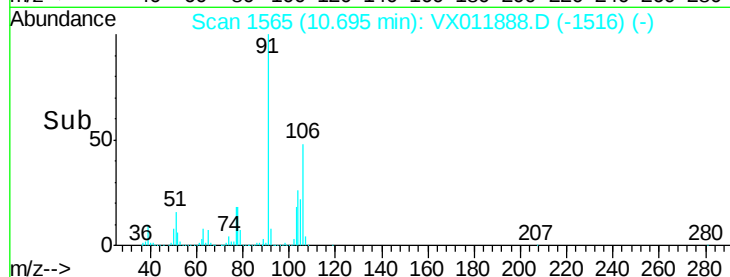
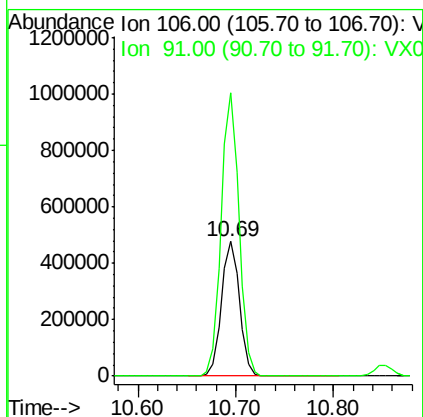
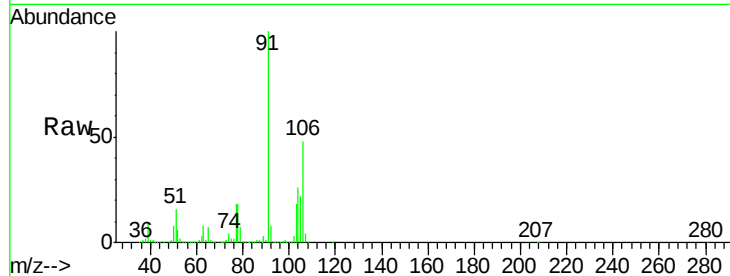
#69
o-Xylene
Concen: 104.382 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.9	104.8	314.6

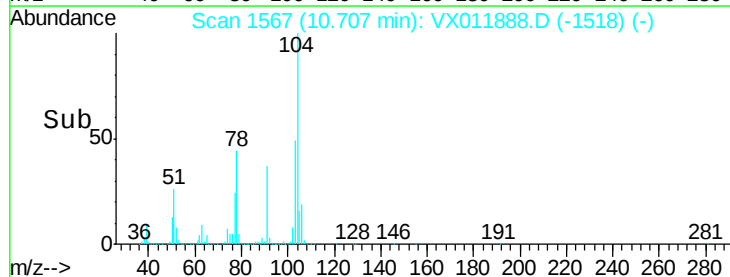
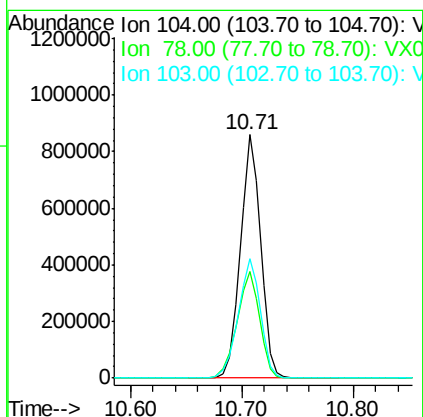
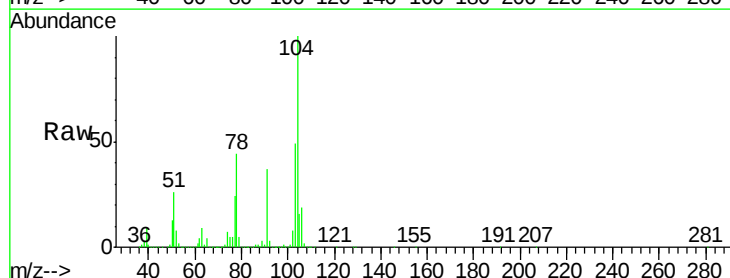
Manual Integrations
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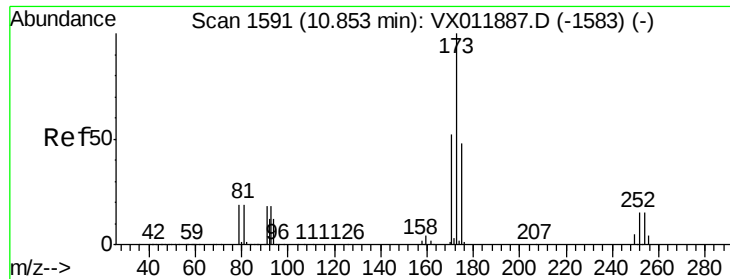
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#70
Styrene
Concen: 112.839 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.2	58.8
103	53.8	43.0	64.6





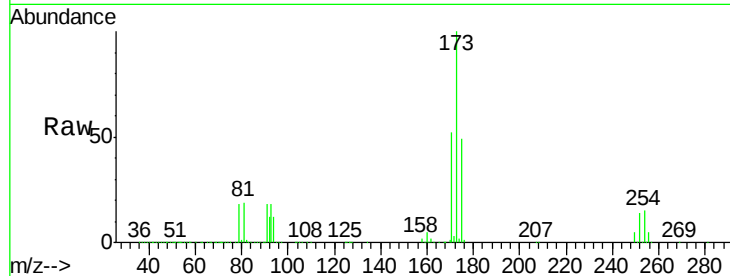
#71
Bromoform
Concen: 125.116 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

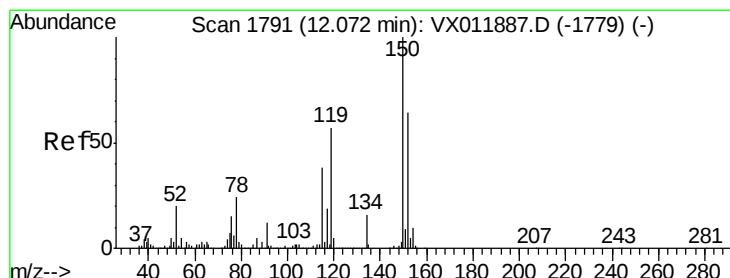
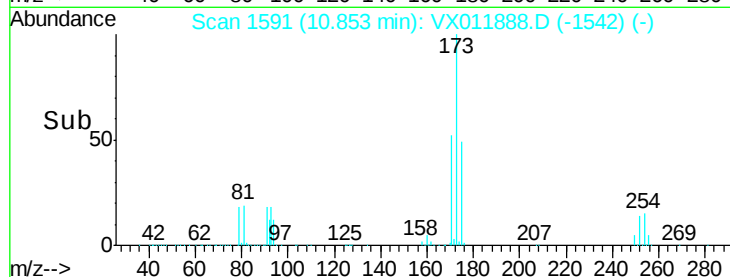
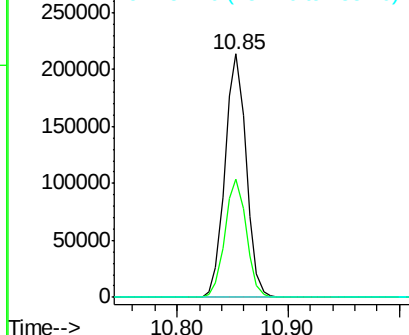
Tot Ion	Ratio	Resp	Lower	Upper
173	100	282025		
175	48.9	24.4	73.2	
254	0.1	0.1	0.1#	

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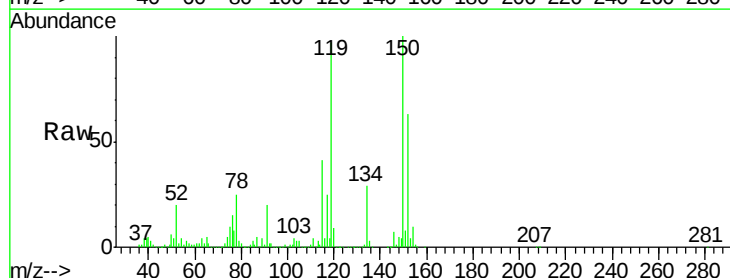


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

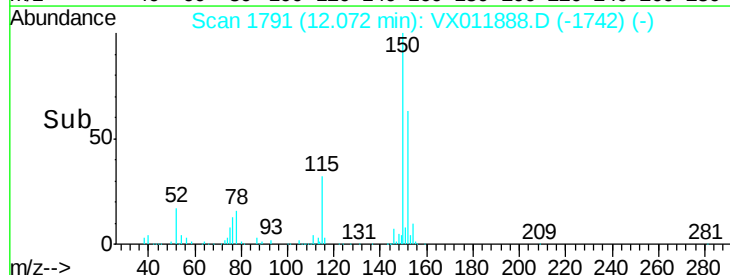
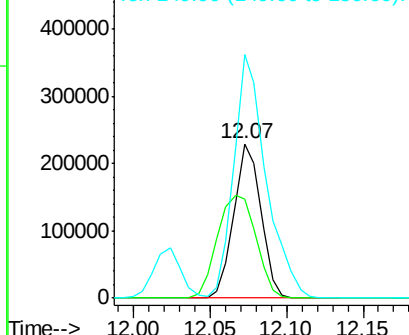


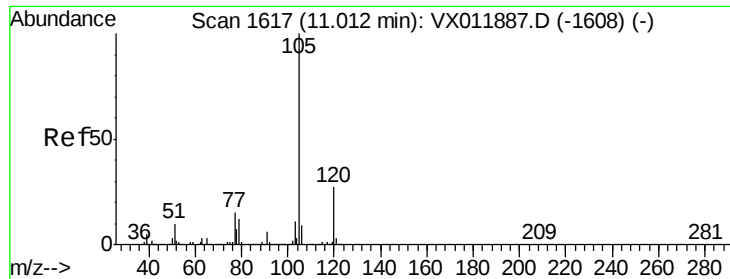
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	281885		
115	95.3	37.1	111.3	
150	188.7	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: 97.971 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1618752

Ion Ratio Lower Upper

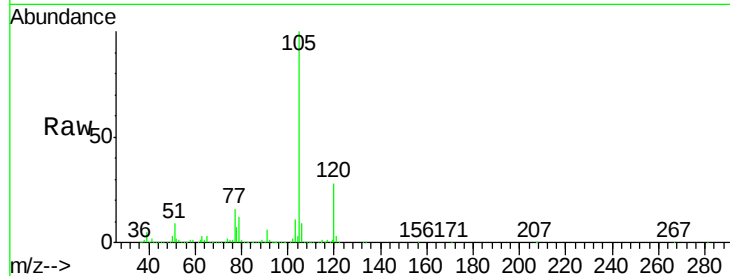
105 100

120 27.9 13.8 41.4

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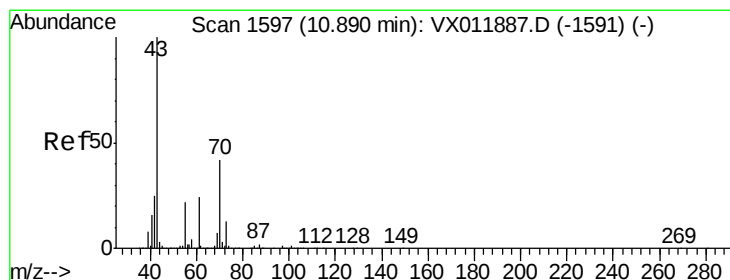
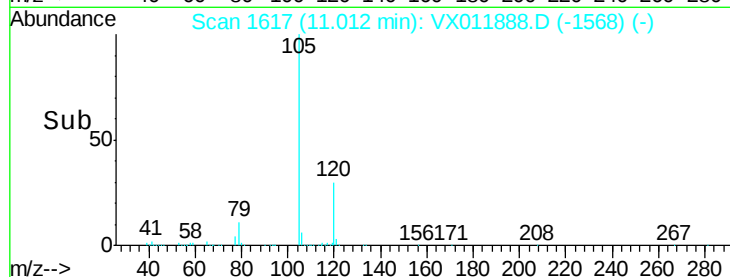
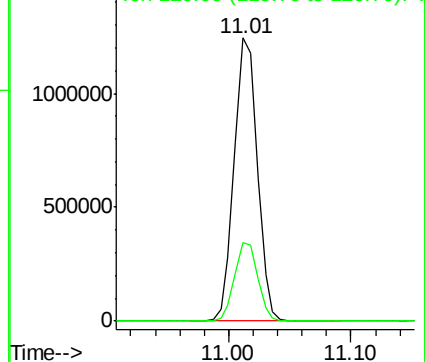
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 120.011 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Tgt Ion: 43 Resp: 487344

Ion Ratio Lower Upper

43 100

70 42.1 0.2 0.2#

55 22.7 0.1 0.1#

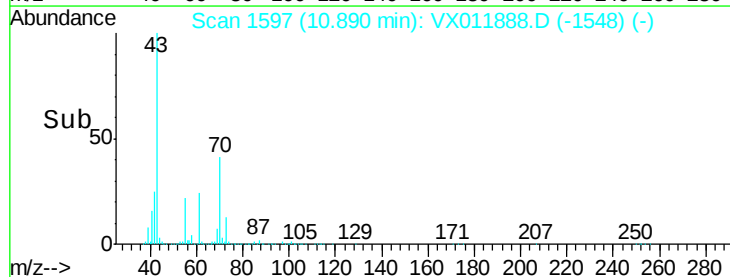
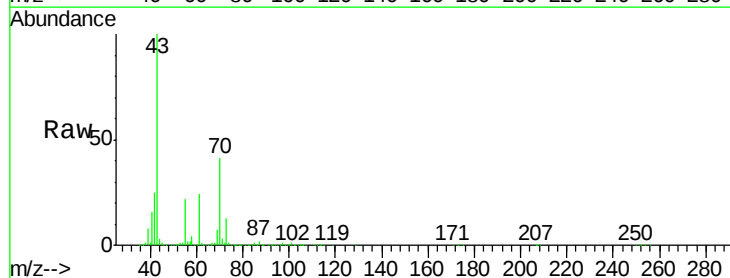
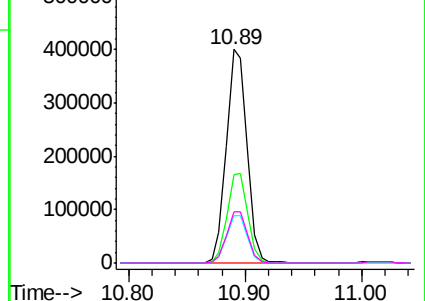
61 24.2 16.4 24.6

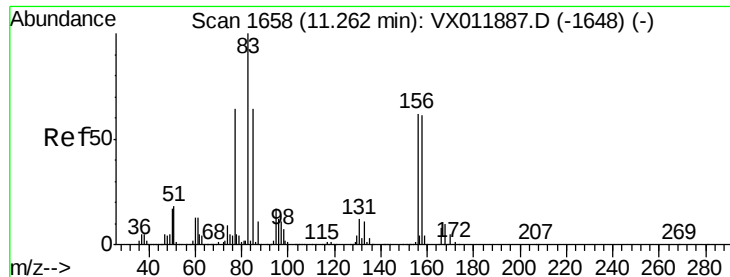
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 121.096 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 331318

Ion Ratio Lower Upper

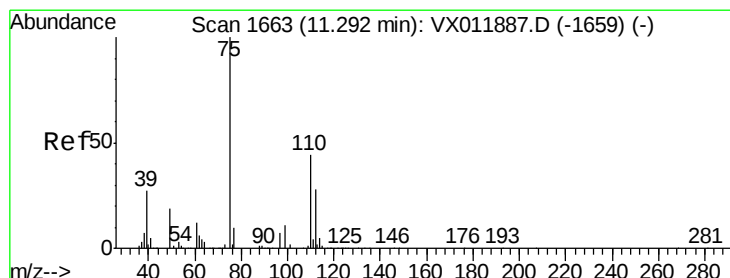
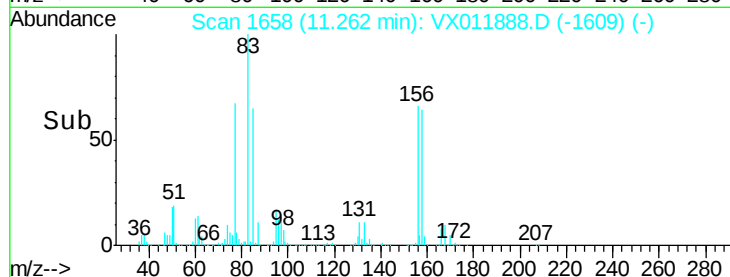
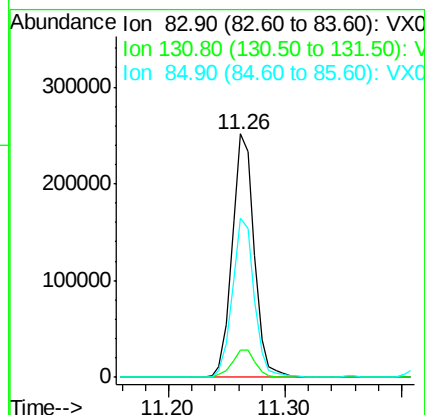
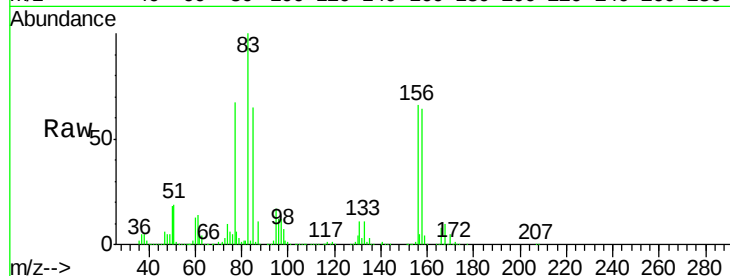
83 100

131 12.1 6.0 18.0

85 64.9 31.9 95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 128.363 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011888.D

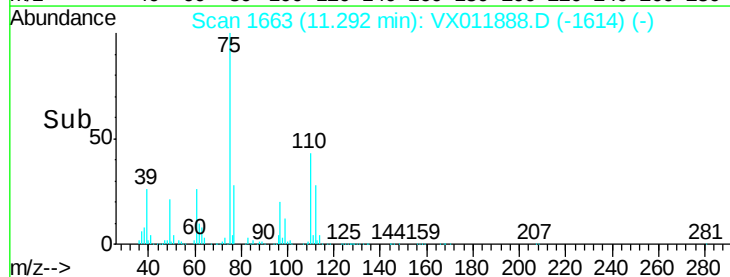
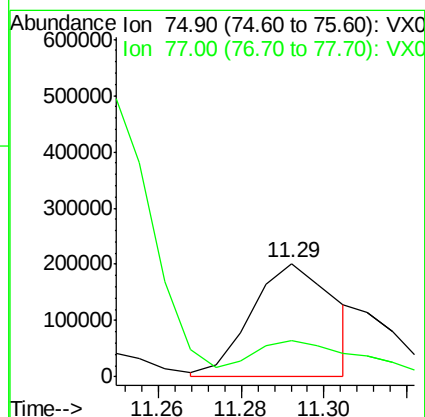
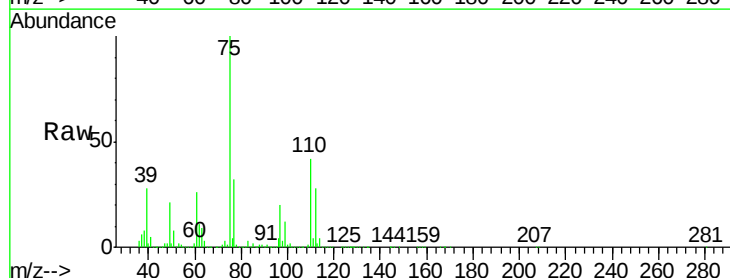
Acq: 29 Aug 2019 22:36

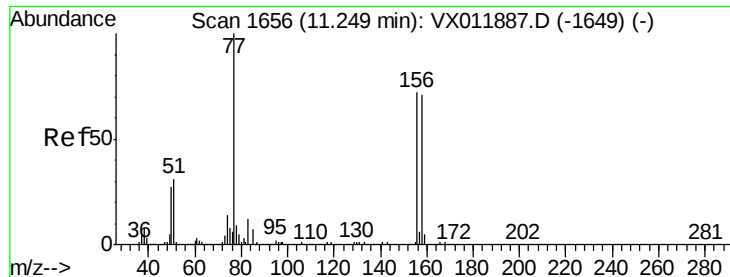
Tgt Ion: 75 Resp: 278159

Ion Ratio Lower Upper

75 100

77 42.4 20.9 62.7





#77

Bromobenzene

Concen: 102.850 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

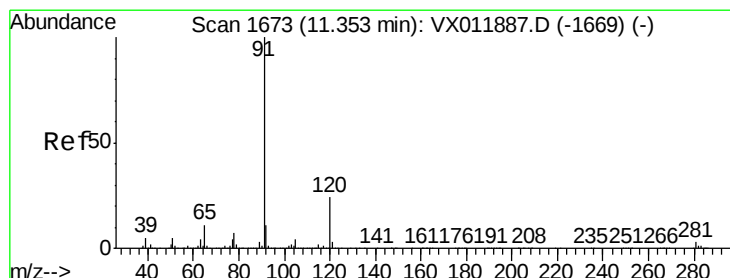
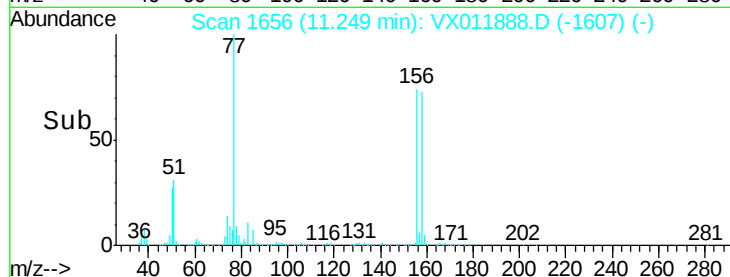
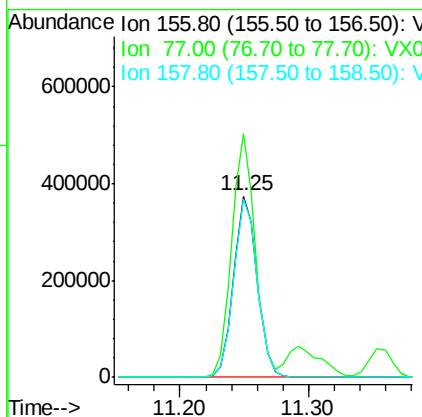
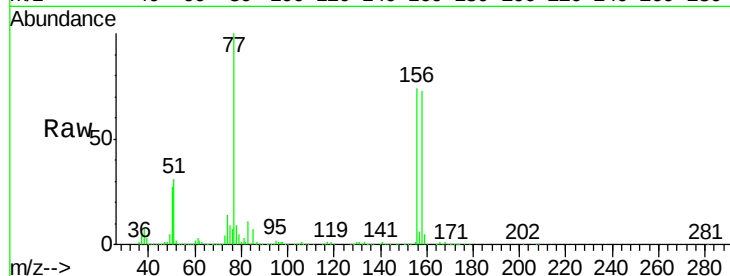
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.8	68.1	204.3
158	98.7	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 98.278 ug/l

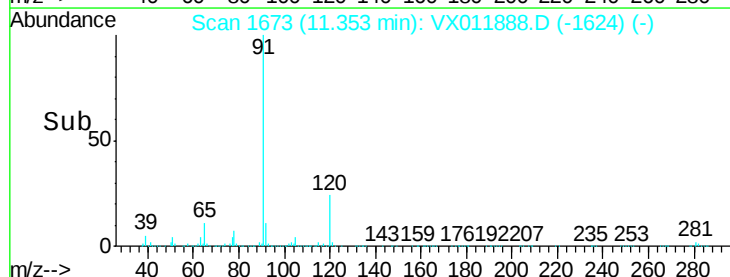
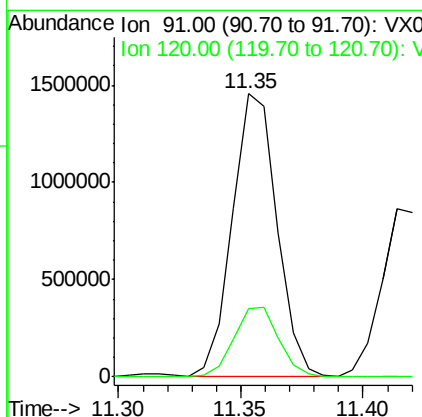
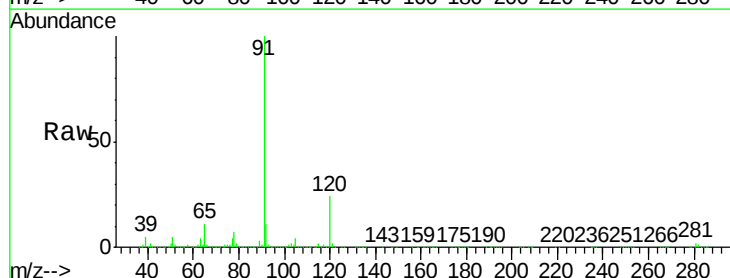
RT: 11.35 min Scan# 1673

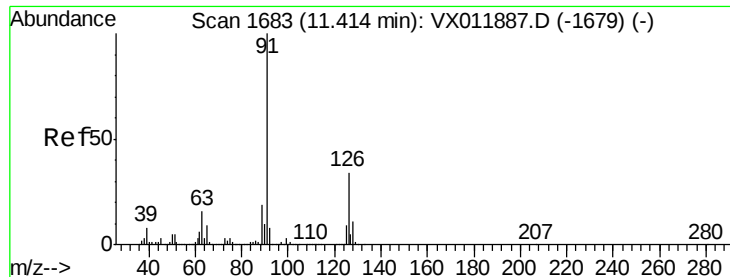
Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.2	12.3	36.9





#79

2-Chlorotoluene

Concen: 98.402 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1106027

Ion Ratio Lower Upper

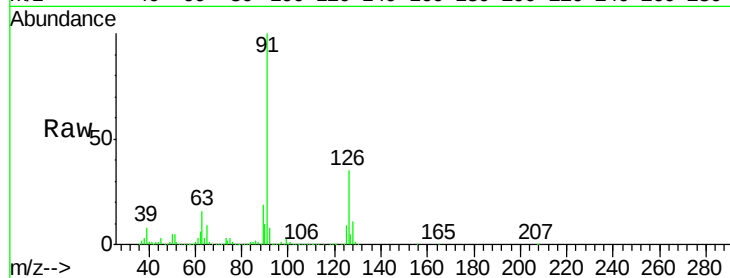
91 100

126 36.7 17.9 53.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011887.D (-1679) (-)

1500000

1000000

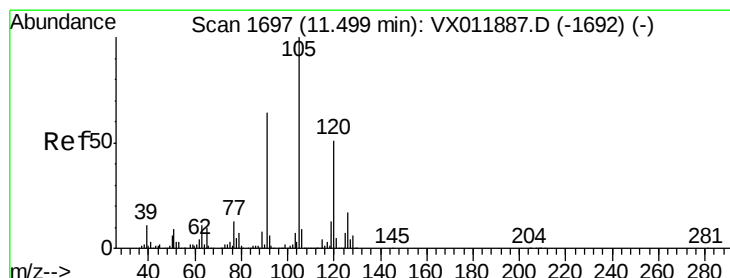
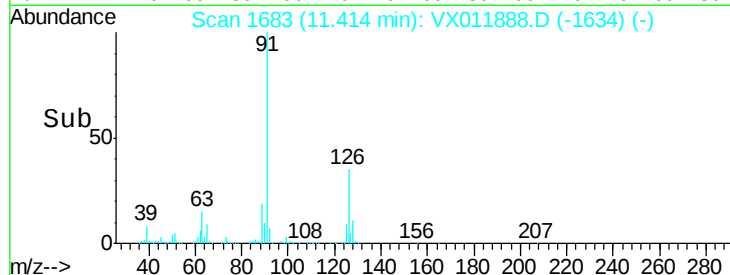
500000

0

11.41

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 101.079 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VX011888.D

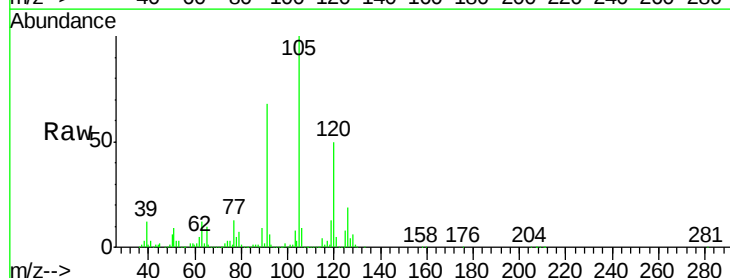
Acq: 29 Aug 2019 22:36

Tgt Ion:105 Resp: 1408495

Ion Ratio Lower Upper

105 100

120 50.6 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX011887.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX011887.D (-1692) (-)

1200000

1000000

800000

600000

400000

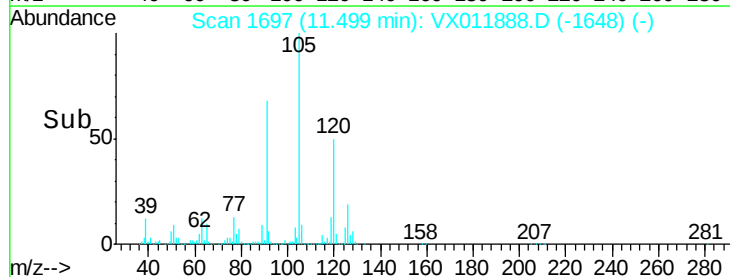
200000

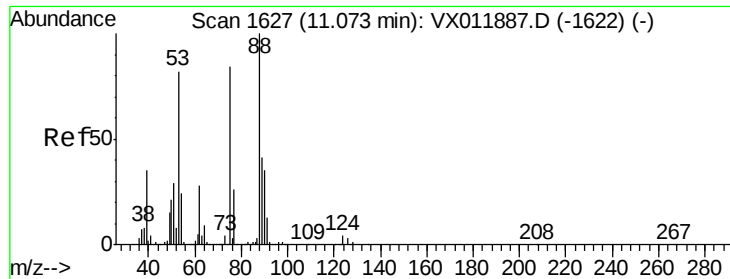
0

11.50

11.60

Time-->





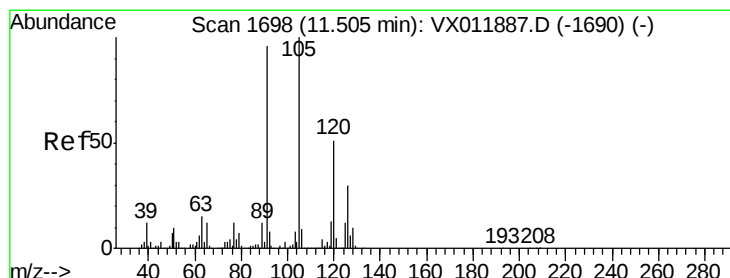
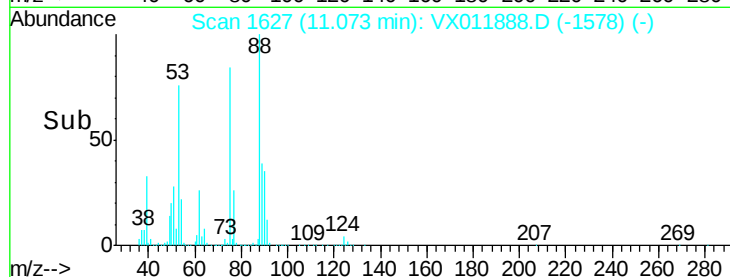
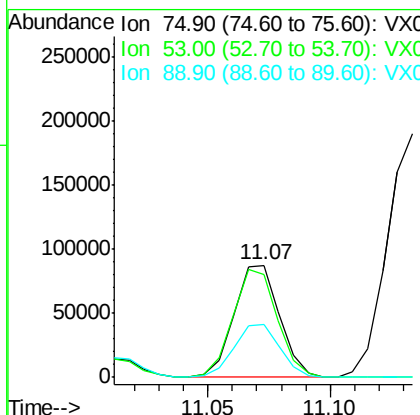
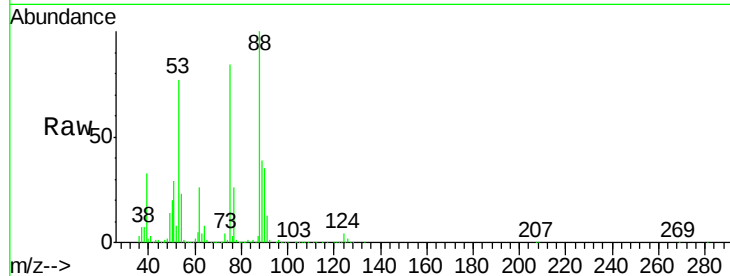
#81
trans-1,4-Dichloro-2-butene
Concen: 188.287 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	77.1	115.7
89	48.0	38.2	57.2

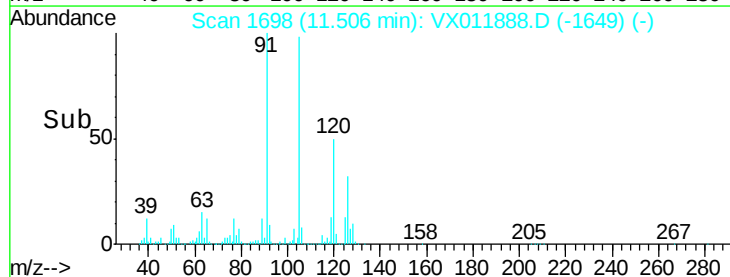
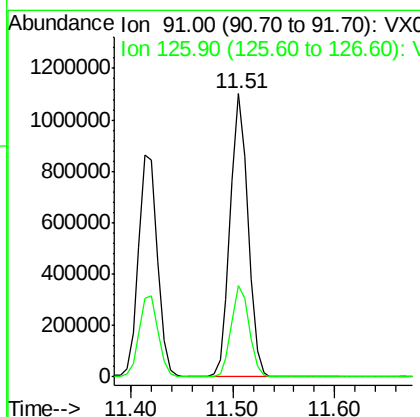
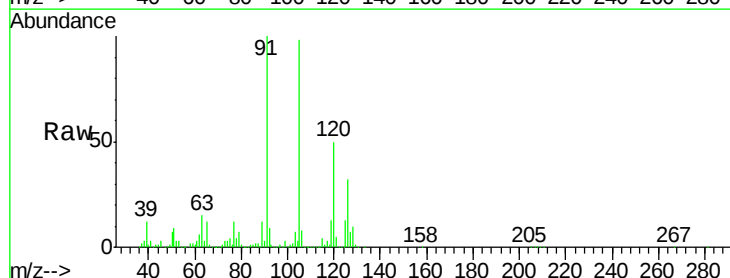
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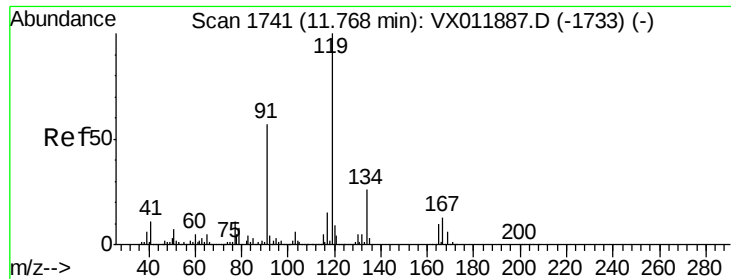
MMDadoda
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#82
4-Chlorotoluene
Concen: 98.552 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.9	47.6





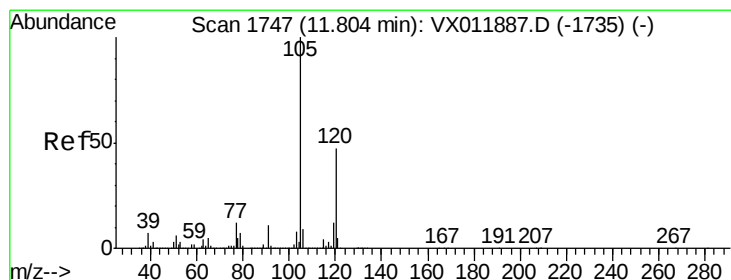
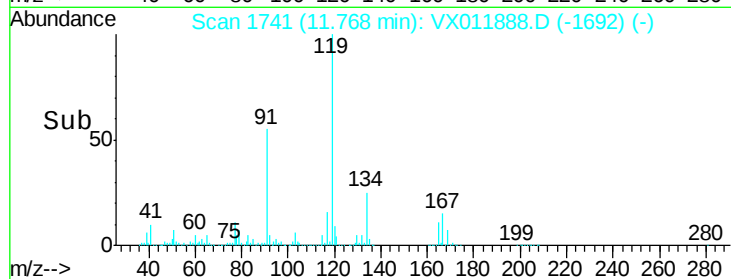
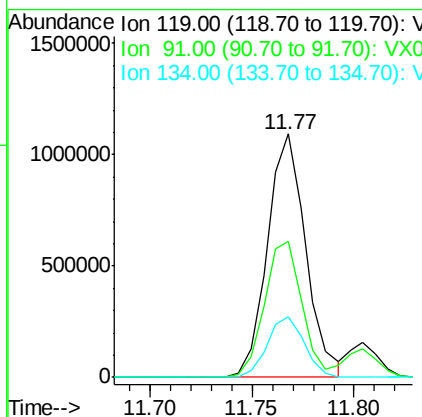
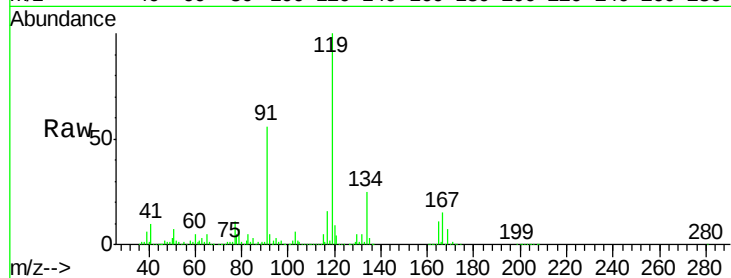
#83
tert-Butylbenzene
Concen: 105.760 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.5	27.9	83.6
134	24.5	12.3	36.8

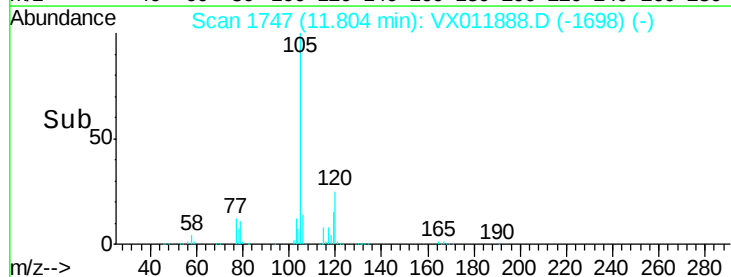
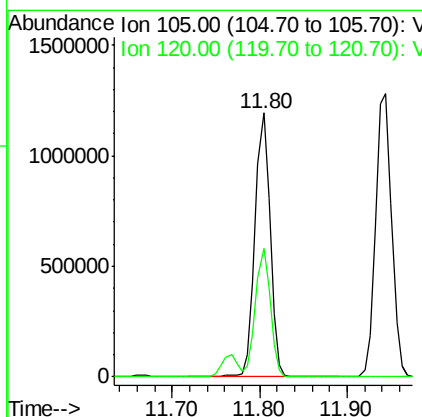
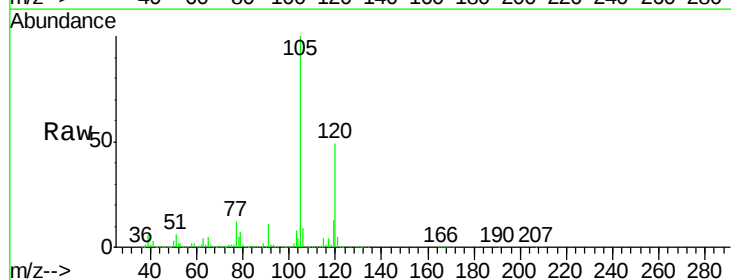
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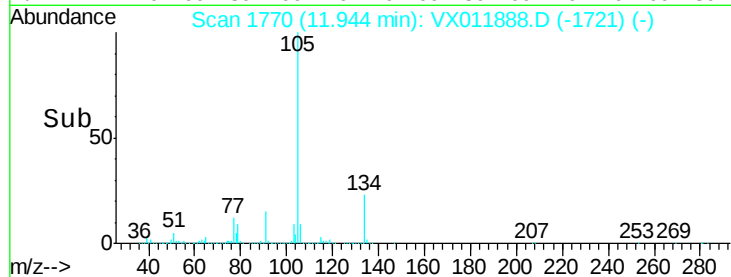
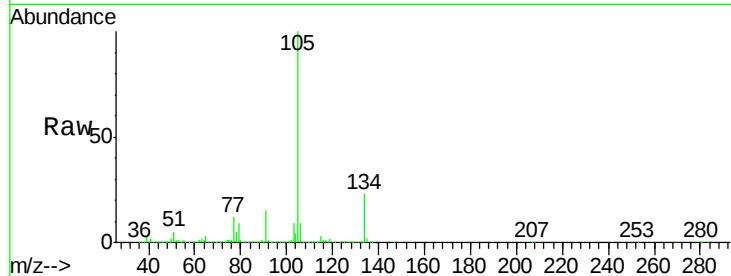
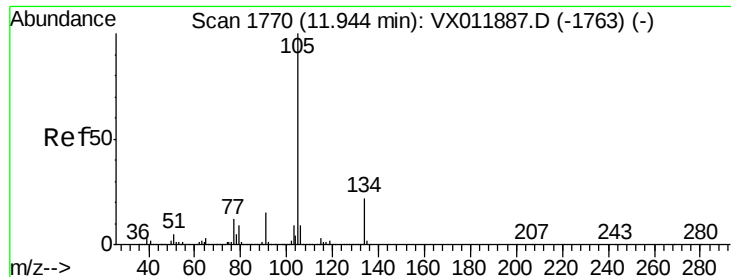
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#84
1,2,4-Trimethylbenzene
Concen: 102.577 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.4	70.3





#85

sec-Butylbenzene

Concen: 101.144 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Tot Ion:105 Resp: 1643514

Ion Ratio Lower Upper

105 100

134 22.3 10.9 32.7

Instrument :

MSVOA_X

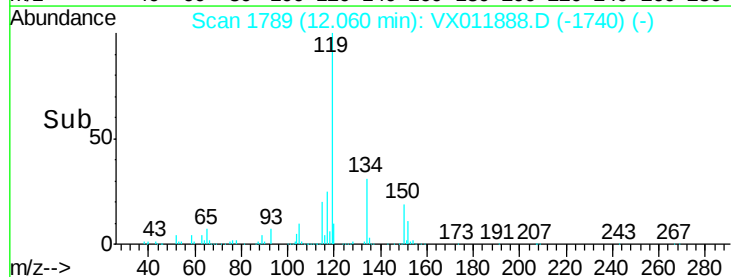
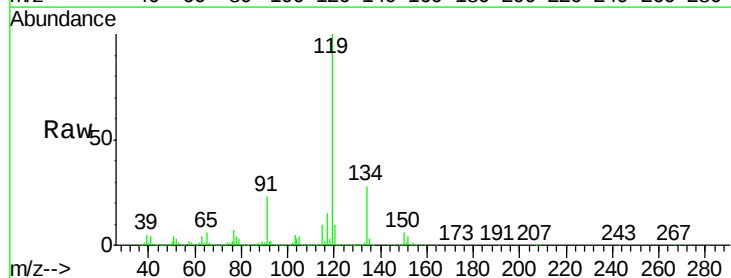
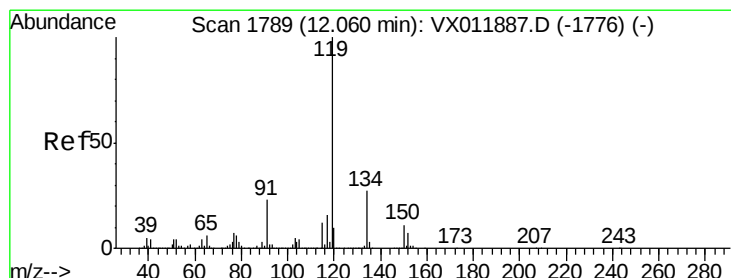
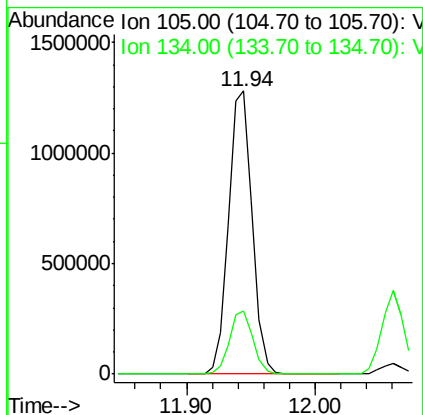
ClientSampleId :

VSTDIC100

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 105.800 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

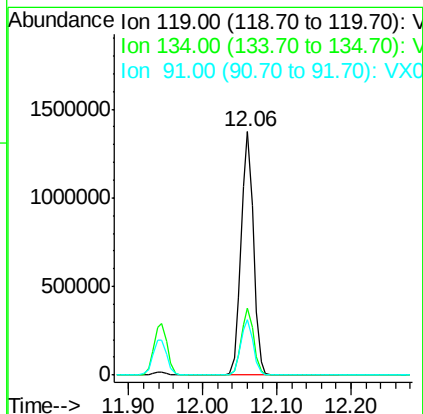
Tgt Ion:119 Resp: 1603556

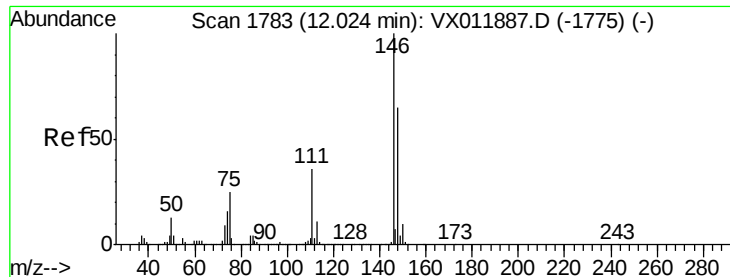
Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.0

91 23.0 11.6 34.7





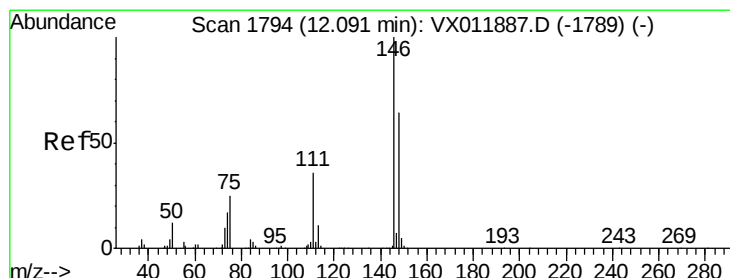
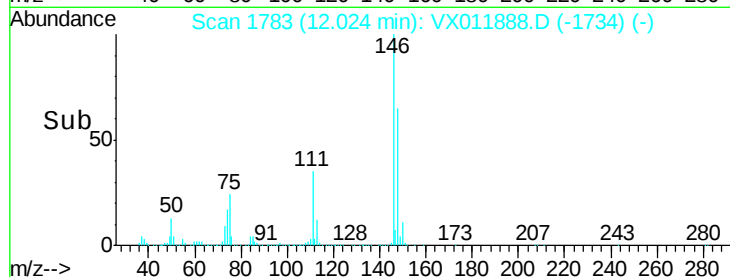
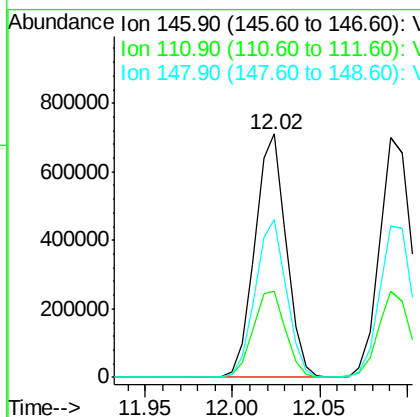
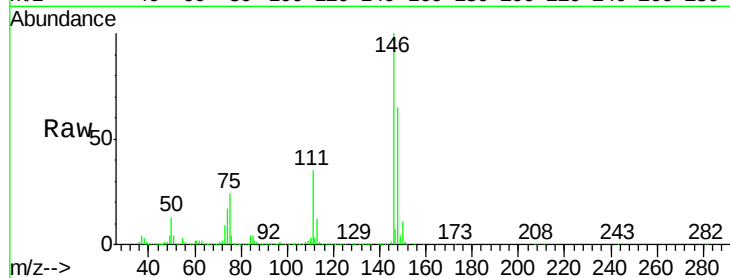
#87
 1,3-Dichlorobenzene
 Concen: 102.016 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011888.D
 Acq: 29 Aug 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	881753		
111	36.7	18.4	55.2	
148	64.4	32.1	96.5	

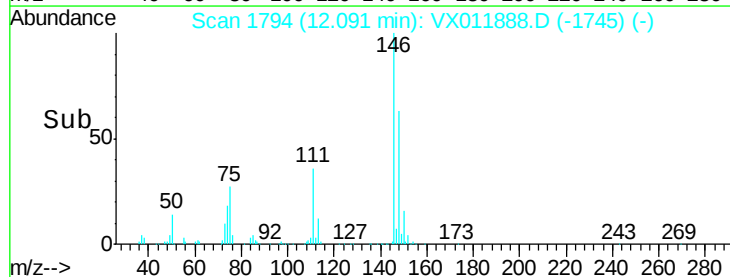
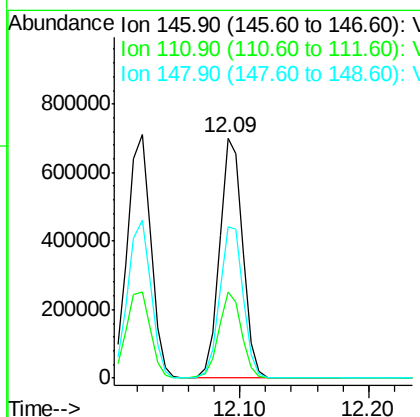
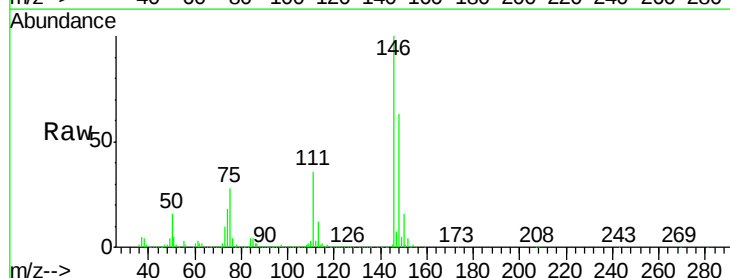
Manual Integrations
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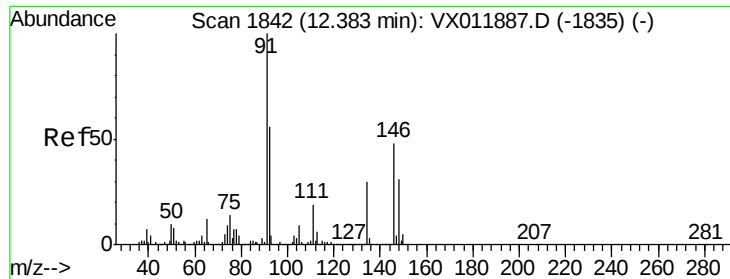
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#88
 1,4-Dichlorobenzene
 Concen: 102.722 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. 0.00 min
 Lab File: VX011888.D
 Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	885332		
111	35.5	17.9	53.7	
148	64.3	32.4	97.0	





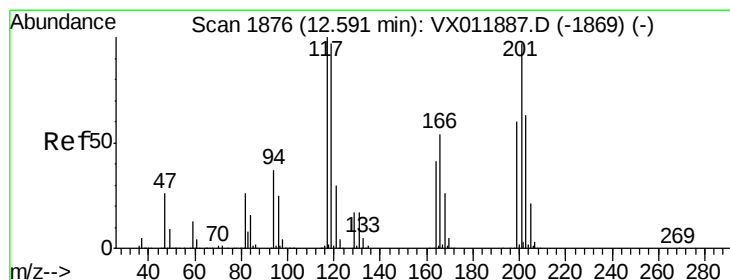
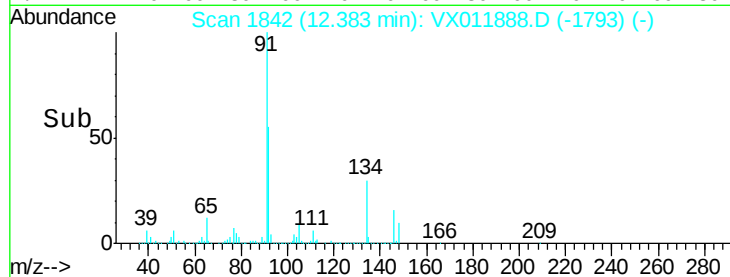
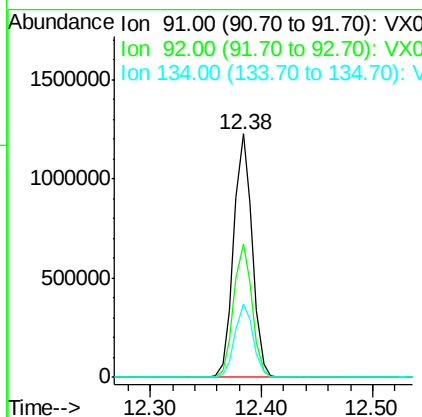
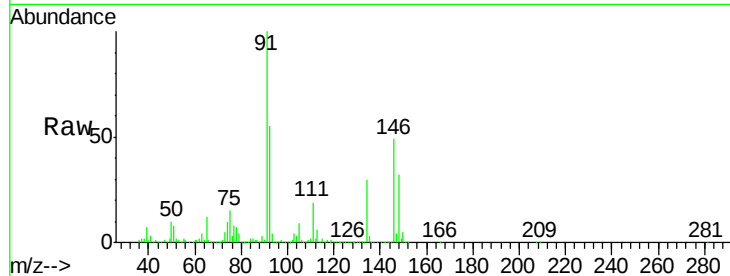
#89
n-Butylbenzene
Concen: 105.446 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1406072
Ion Ratio Lower Upper
91 100
92 54.7 27.6 82.8
134 29.9 14.8 44.3

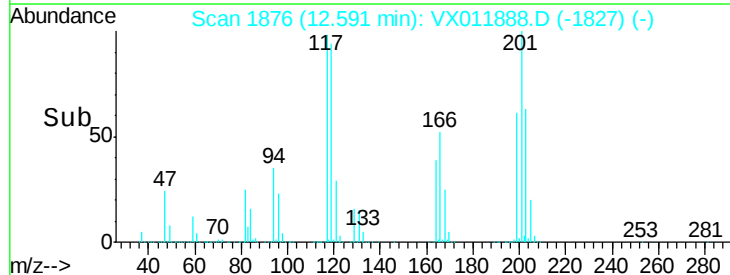
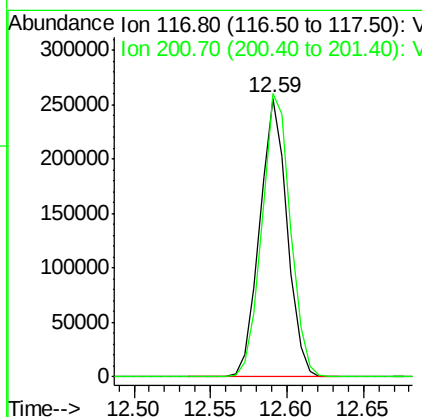
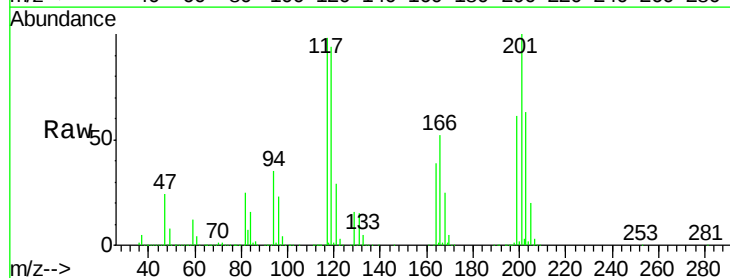
Manual Integrations
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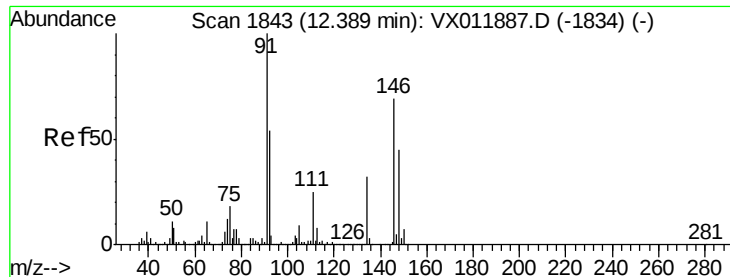
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#90
Hexachloroethane
Concen: 153.953 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion: 117 Resp: 320781
Ion Ratio Lower Upper
117 100
201 105.5 52.8 158.5





#91

1,2-Dichlorobenzene

Concen: 104.125 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Instrument :

MSVOA_X

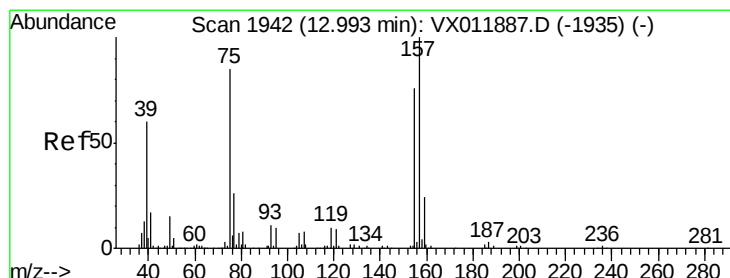
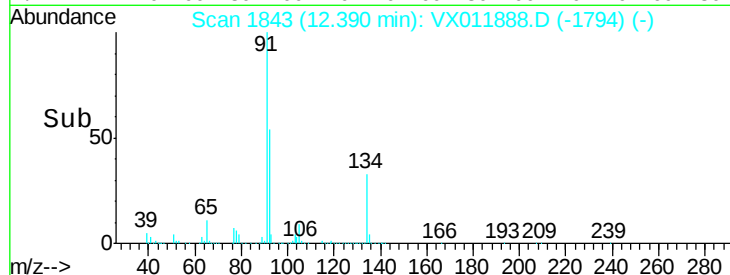
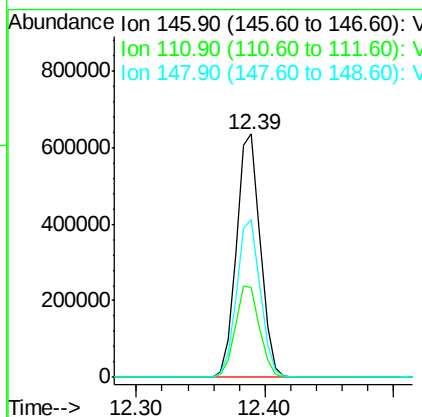
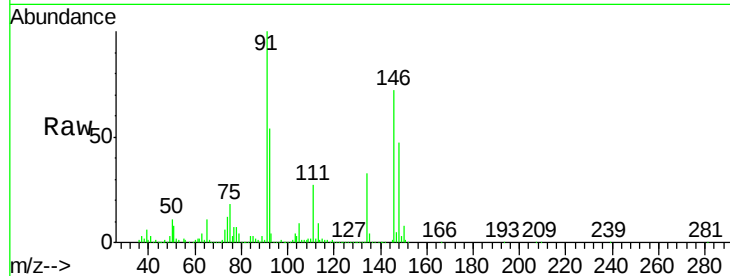
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	817687
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.9	56.5
148	64.5	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 153.307 ug/l

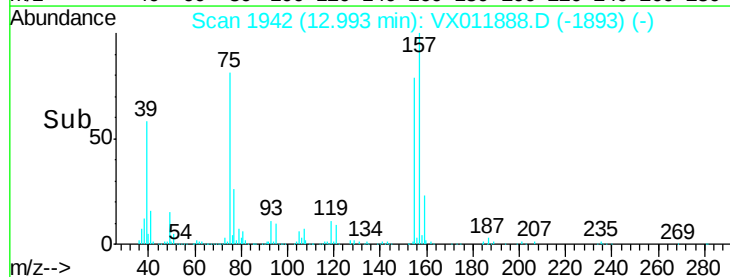
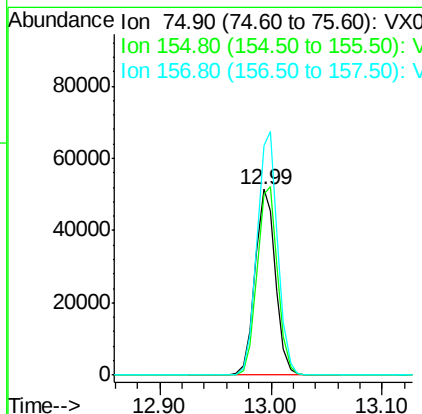
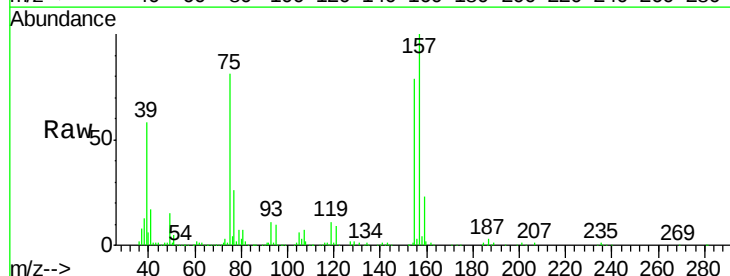
RT: 12.99 min Scan# 1942

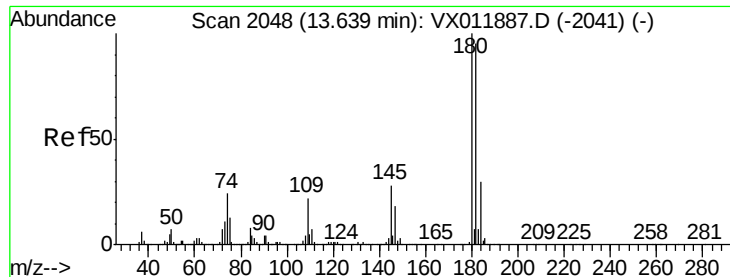
Delta R.T. 0.00 min

Lab File: VX011888.D

Acq: 29 Aug 2019 22:36

Tgt Ion:	75	Resp:	65742
Ion Ratio	Lower	Upper	
75	100		
155	102.1	50.1	150.4
157	132.2	63.9	191.7





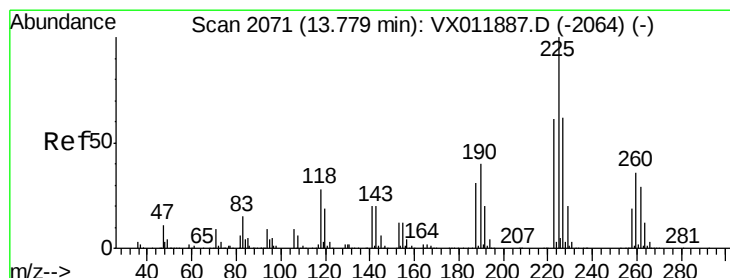
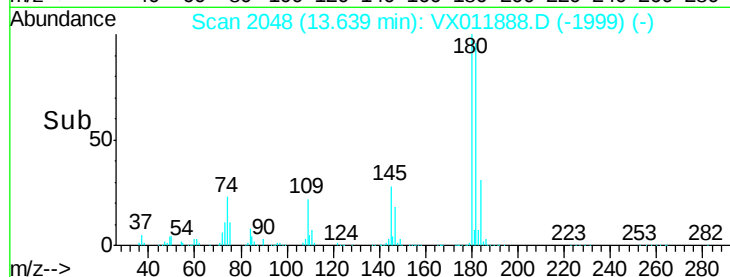
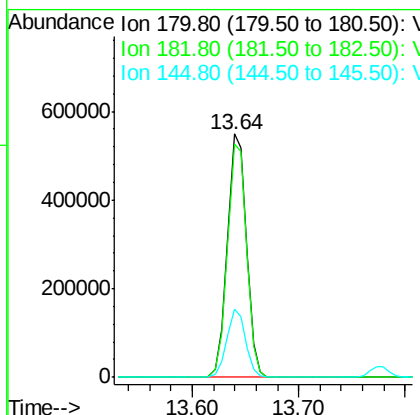
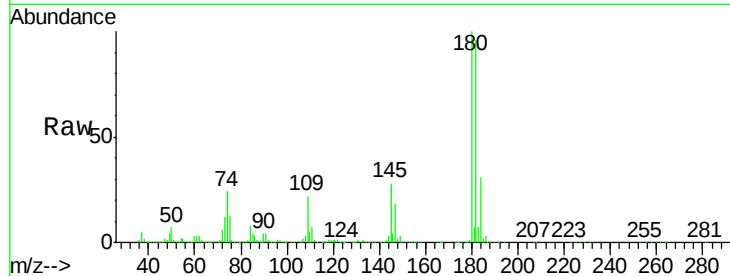
#93
 1,2,4-Trichlorobenzene
 Concen: 109.942 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VX011888.D
 Acq: 29 Aug 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	692876		
182	96.4	48.1	144.4	
145	27.5	13.8	41.3	

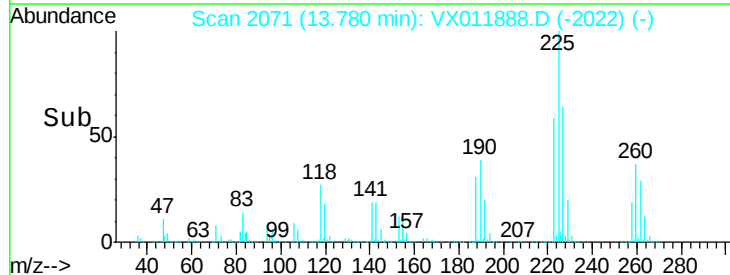
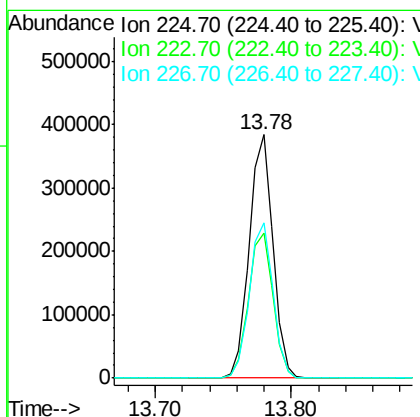
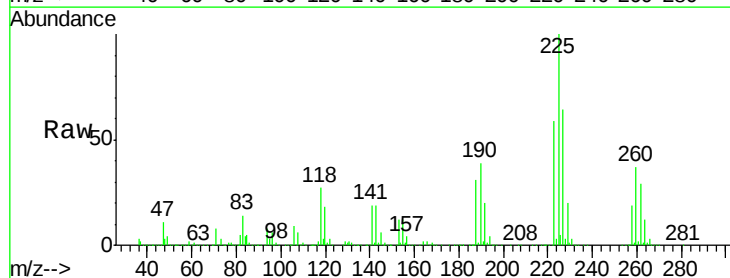
Manual Integrations
 APPROVED

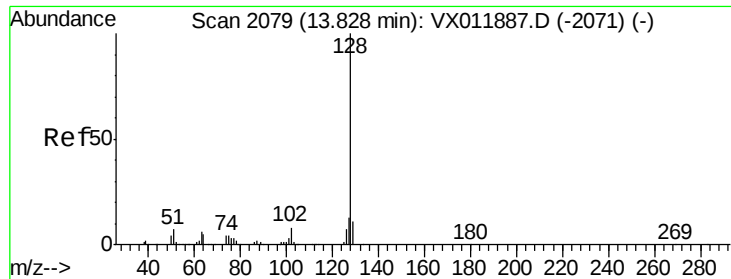
MMDadoda
 9/3/2019 2:39:19 AM



#94
 Hexachlorobutadiene
 Concen: 112.908 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011888.D
 Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	468809		
223	61.6	30.8	92.3	
227	64.0	31.9	95.7	





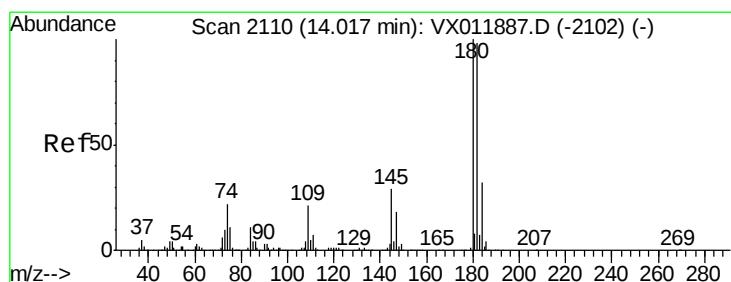
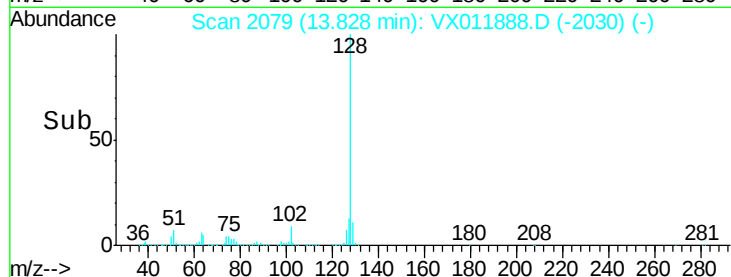
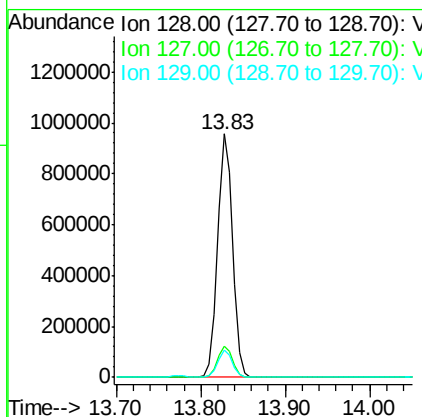
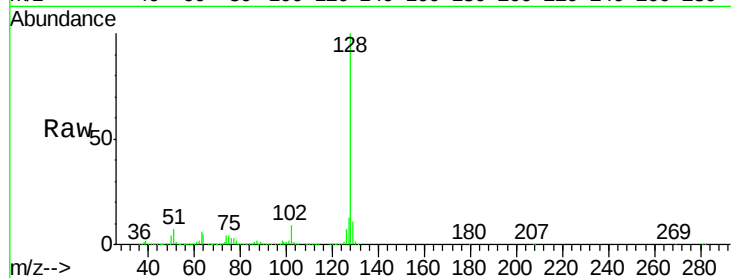
#95
Naphthalene
Concen: 126.262 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:39:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 111.349 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011888.D
Acq: 29 Aug 2019 22:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.3	144.8
145	29.2	14.6	43.8

