

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056897.D
 Acq On : 24 Jul 2019 00:42
 Operator : JC/SP
 Sample : VN0724WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0724WBS01

Manual Integrations
 APPROVED

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 7/25/2019 2:20:25 PM

Quant Time: Jul 24 04:11:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 03:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	57093	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	303235	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	259232	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	110995	29.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.03%
60) 4-Bromofluorobenzene	12.40	95	115840	29.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.37%
63) Toluene-d8	10.09	98	377048	30.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	66239	19.405 ug/l	95
3) Chloromethane	2.06	50	84250	20.226 ug/l	99
4) Vinyl Chloride	2.19	62	79561	19.811 ug/l	100
5) Bromomethane	2.56	94	49565	20.101 ug/l	96
6) Chloroethane	2.71	64	44475	19.965 ug/l	98
7) Trichlorofluoromethane	3.02	101	98057	20.050 ug/l	99
8) Diethyl Ether	3.41	74	35679	19.579 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	58718	19.118 ug/l	98
10) 1,1-Dichloroethene	3.73	96	61186	20.074 ug/l	96
11) Methyl Iodide	3.95	142	81305	18.031 ug/l	100
12) Methyl Acetate	4.33	43	66855	17.923 ug/l #	90
13) Acrolein	3.60	56	39093	92.601 ug/l	97
14) Acrylonitrile	4.99	53	137568	95.627 ug/l	98
15) Acetone	3.82	58	35711	96.017 ug/l	93
16) Carbon Disulfide	4.05	76	155790	18.955 ug/l	98
17) Allyl chloride	4.32	41	94832	18.593 ug/l	98
18) Methylene Chloride	4.55	84	70905	19.987 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	62897	19.498 ug/l	95
20) Diisopropyl ether	5.96	45	208300	20.114 ug/l	97
21) 1,1-Dichloroethane	5.85	63	120247	19.980 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	72011	19.262 ug/l	99
23) tert-Butyl Alcohol	4.81	59	47567	99.081 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	177107	19.219 ug/l	99
25) Chloroform	7.37	83	116485	19.841 ug/l	98
26) Cyclohexane	7.65	56	107617	19.466 ug/l #	99
29) 1,1-Dichloropropene	7.79	75	86512	20.104 ug/l	98
30) 2-Butanone	6.84	43	165783	95.892 ug/l	99
31) 2,2-Dichloropropane	6.82	77	69182	17.324 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	95149	20.124 ug/l	100
33) Carbon Tetrachloride	7.77	117	82059	19.884 ug/l	99
34) Benzene	8.04	78	274638	20.255 ug/l	99
35) Methacrylonitrile	7.18	41	35695	20.674 ug/l	97
36) 1,2-Dichloroethane	8.13	62	86655	20.558 ug/l	99
37) Trichloroethene	8.83	130	72349	19.903 ug/l	93
38) Methylcyclohexane	9.08	83	103968	18.993 ug/l	99
39) 1,2-Dichloropropane	9.12	63	74549	20.598 ug/l	99
40) Dibromomethane	9.21	93	44649	20.110 ug/l	100

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 ALS Vial : 35 Sample Multiplier: 1

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	83814	19.645	ug/l	99
42) Vinyl Acetate	5.90	43	748923	97.273	ug/l	100
43) Ethyl Acetate	6.93	43	68669	19.375	ug/l #	90
44) Isopropyl Acetate	8.17	43	113249	19.170	ug/l #	88
45) 1,4-Dioxane	9.20	88	22017	391.470	ug/l	95
46) Methyl methacrylate	9.20	41	56443	19.151	ug/l	96
47) n-amyl Acetate	12.07	43	85370	18.052	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	80132	18.049	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	98140	18.970	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	64779	20.321	ug/l	98
51) Ethyl methacrylate	10.43	69	89207	19.348	ug/l	97
52) 1,3-Dichloropropane	10.71	76	108347	20.139	ug/l	99
53) Dibromochloromethane	10.90	129	63258	19.091	ug/l	100
54) 1,2-Dibromoethane	11.00	107	64364	19.792	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	180145	90.213	ug/l	99
56) Bromoform	12.13	173	42644	18.601	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	349556	100.482	ug/l	99
59) 2-Hexanone	10.75	43	235748	99.450	ug/l	99
61) Tetrachloroethene	10.63	164	77274	21.269	ug/l	99
62) Toluene	10.15	91	288983	20.497	ug/l	100
64) Chlorobenzene	11.43	112	172765	20.343	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	65148	20.253	ug/l	99
66) Ethyl Benzene	11.51	91	296525	19.959	ug/l	99
67) m/p-Xylenes	11.62	106	222586	40.177	ug/l	99
68) o-Xylene	11.95	106	107411	19.719	ug/l	96
69) Styrene	11.96	104	175461	19.878	ug/l	100
70) Isopropylbenzene	12.25	105	294999	20.568	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	83078	20.681	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	70413m	19.922	ug/l	
73) Bromobenzene	12.53	156	73368	19.824	ug/l	98
74) n-propylbenzene	12.59	91	310317	19.788	ug/l	100
75) 2-Chlorotoluene	12.67	91	194520	20.459	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	246331	20.402	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17416	15.694	ug/l	99
78) 4-Chlorotoluene	12.77	91	179532	19.865	ug/l	100
79) tert-butylbenzene	12.99	119	209783	20.134	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	239203	20.322	ug/l	99
81) sec-Butylbenzene	13.17	105	268350	19.728	ug/l	99
82) p-Isopropyltoluene	13.29	119	240093	19.653	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	111255	19.093	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	102564	18.616	ug/l	99
85) n-Butylbenzene	13.61	91	175471	18.292	ug/l	99
86) Hexachloroethane	13.87	117	39408	19.275	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	117217	20.252	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12063	19.411	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	43476	18.923	ug/l	100
90) Hexachlorobutadiene	15.01	225	41651	19.578	ug/l	98
91) Naphthalene	15.13	128	109343	18.364	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	51040	16.681	ug/l	98

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ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

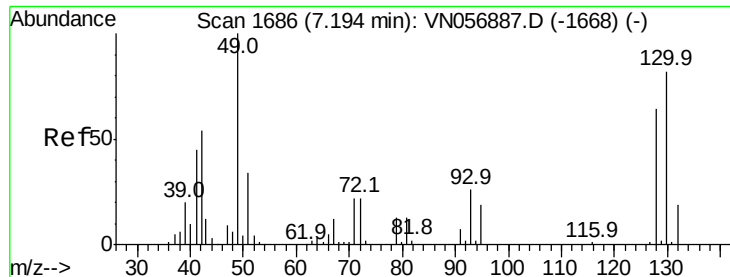
Manual Integrations
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QLast Update : Wed Jul 24 03:39:51 2019
Response via : Initial Calibration

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



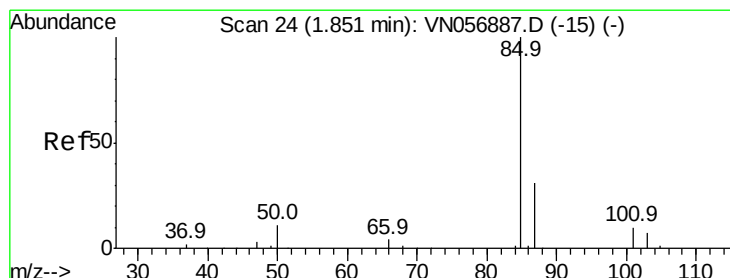
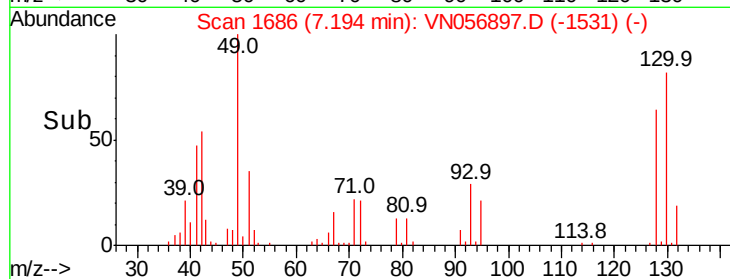
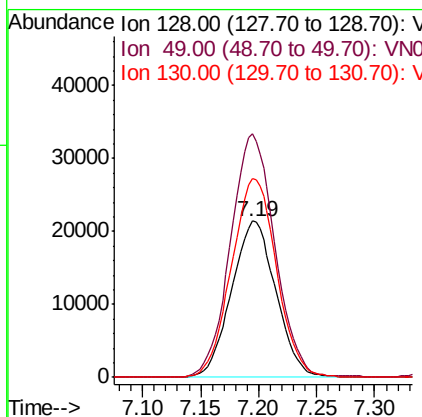
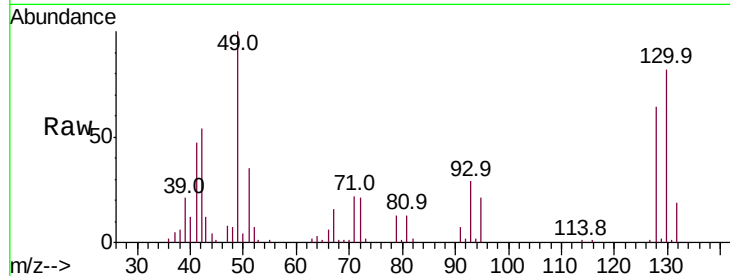
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	155.4	0.0	385.8
130	129.2	0.0	322.5

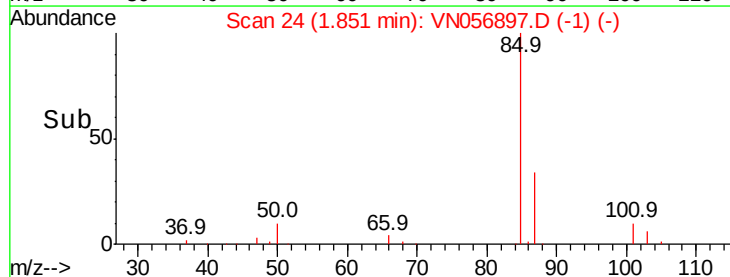
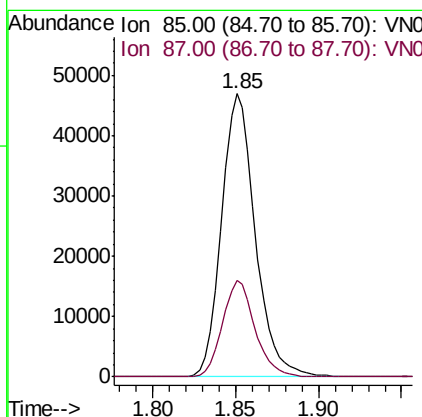
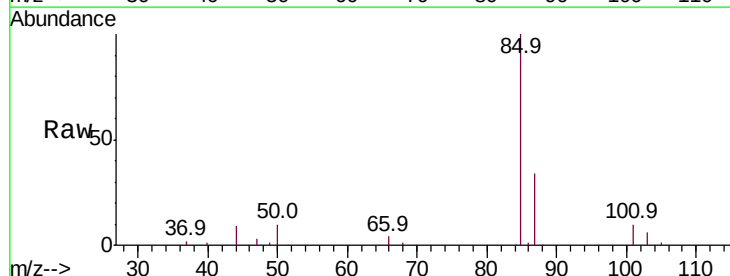
Manual Integrations
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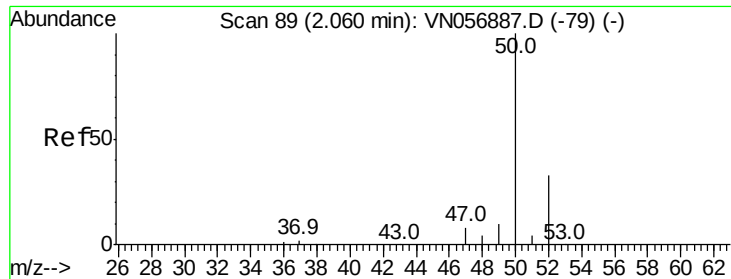
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#2
 Dichlorodifluoromethane
 Concen: 19.405 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.1	15.6	46.8





#3

Chloromethane

Concen: 20.226 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 50 Resp: 84250

Ion Ratio Lower Upper

50 100

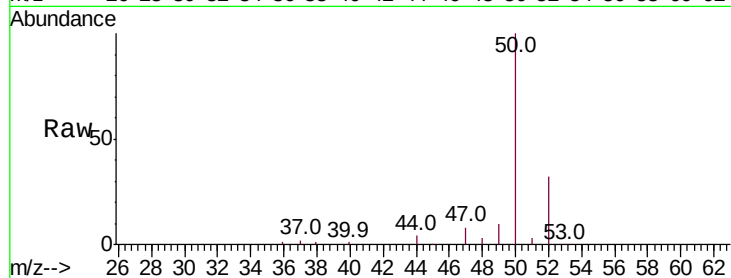
52 32.1 26.2 39.2

Manual Integrations

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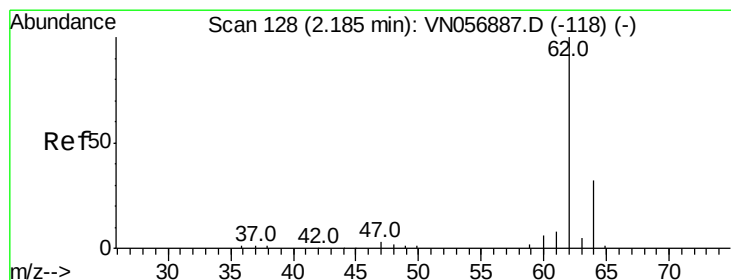
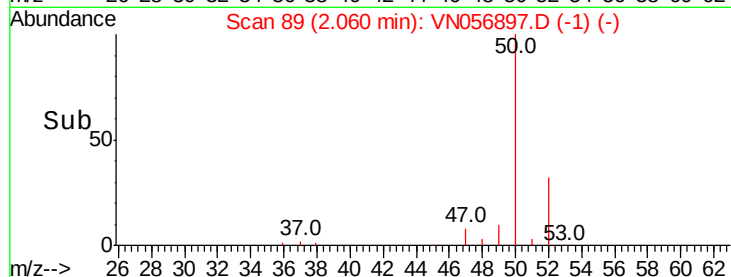
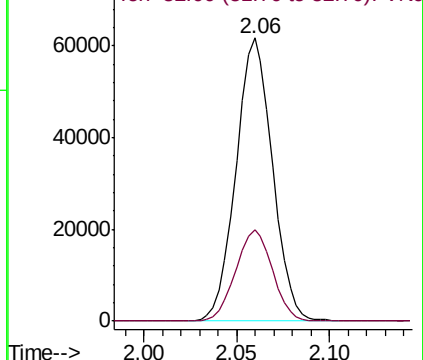
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.811 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN056897.D

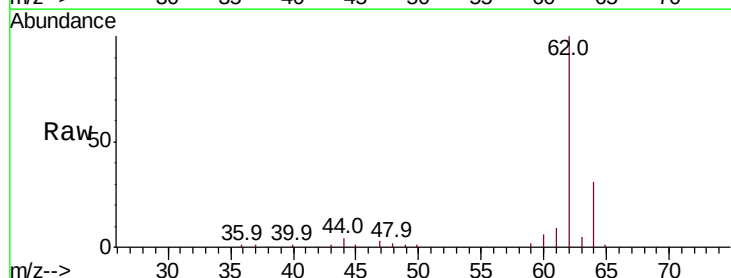
Acq: 24 Jul 2019 00:42

Tgt Ion: 62 Resp: 79561

Ion Ratio Lower Upper

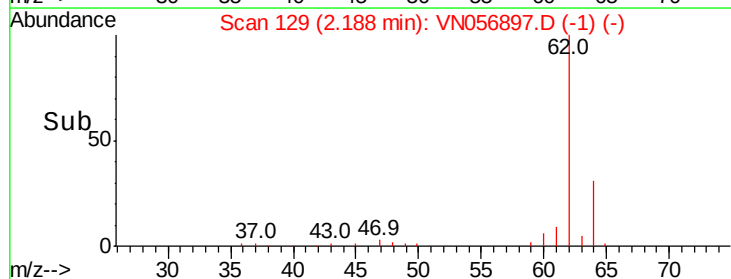
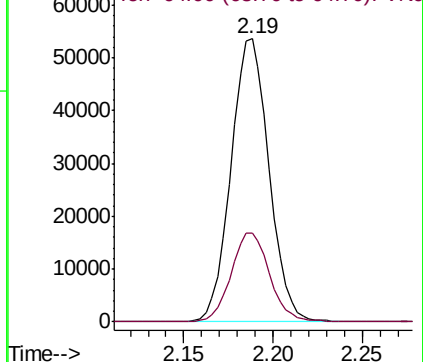
62 100

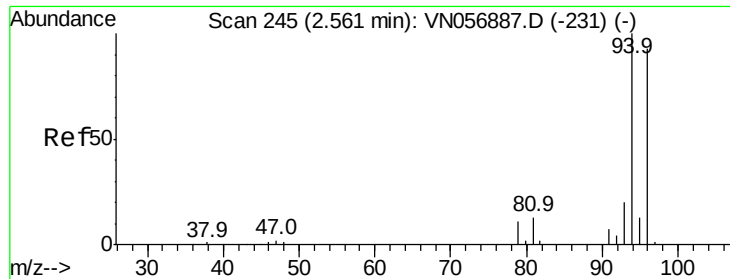
64 31.5 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 20.101 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 94 Resp: 49565

Ion Ratio Lower Upper

94 100

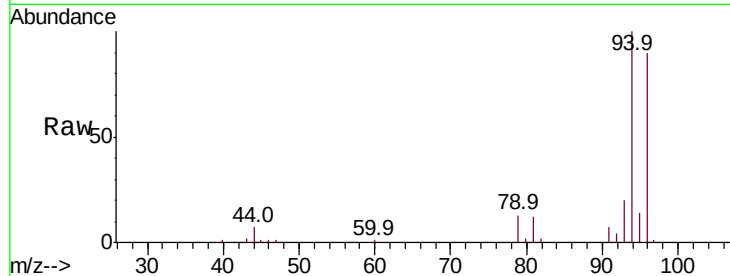
96 89.8 74.7 112.1

Manual Integrations

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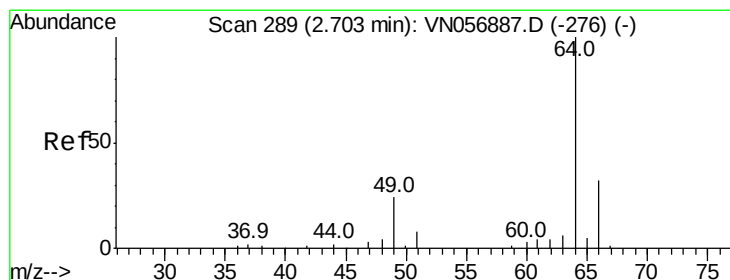
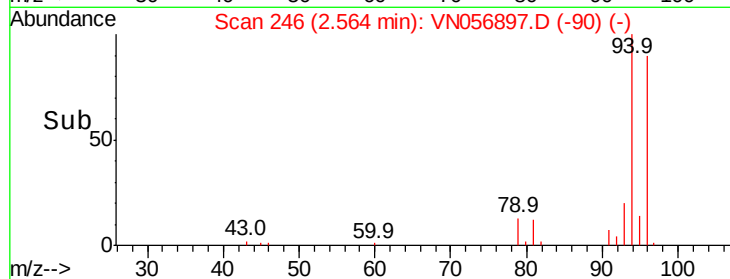
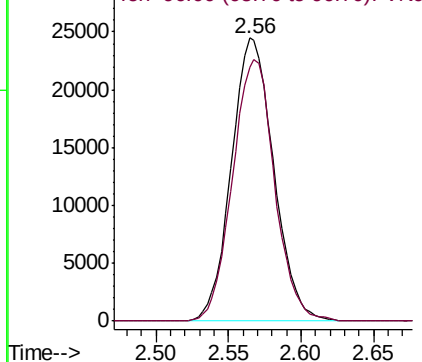
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.965 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN056897.D

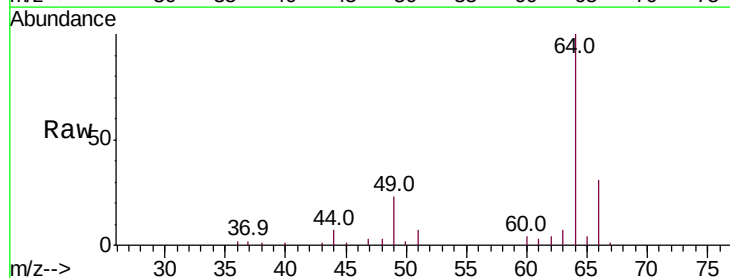
Acq: 24 Jul 2019 00:42

Tgt Ion: 64 Resp: 44475

Ion Ratio Lower Upper

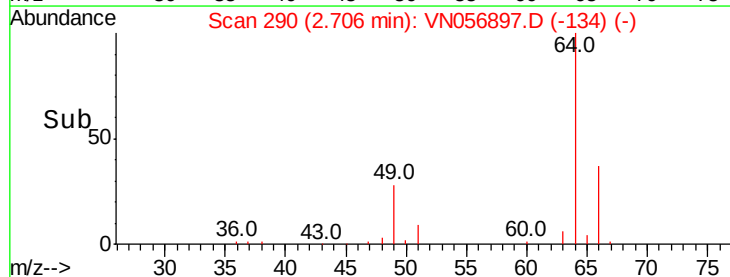
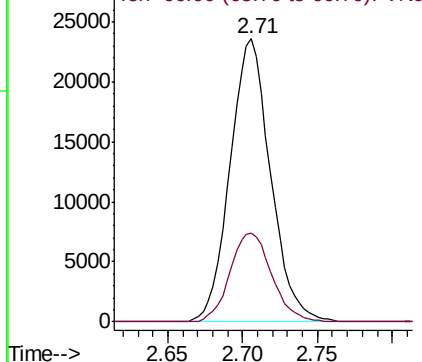
64 100

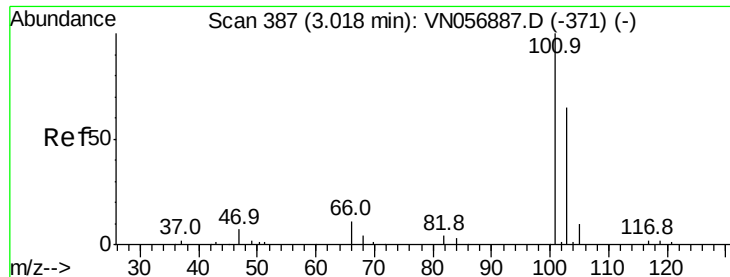
66 31.2 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

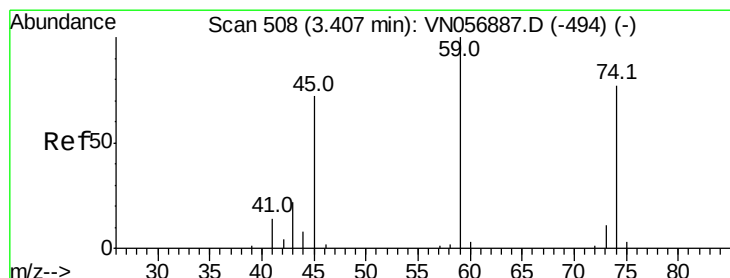
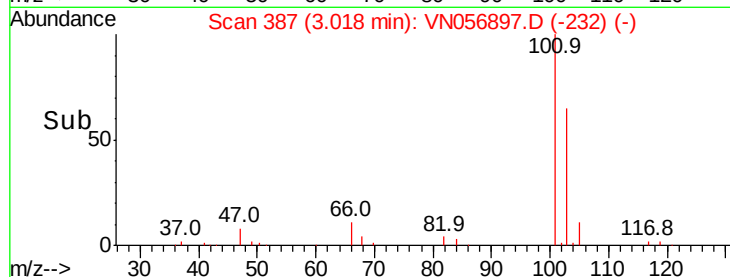
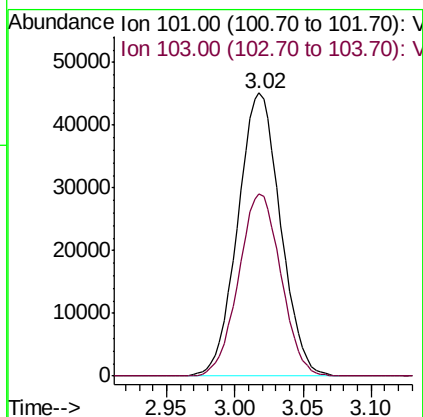
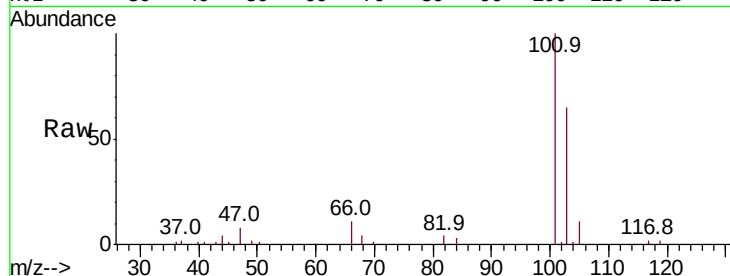
Trichlorofluoromethane
Concen: 20.050 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
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ClientSampleId :
VN0724WBS01

Tot Ion:101 Resp: 98057
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.4

Manual Integrations
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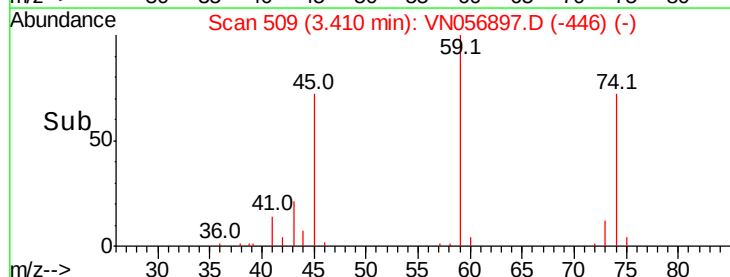
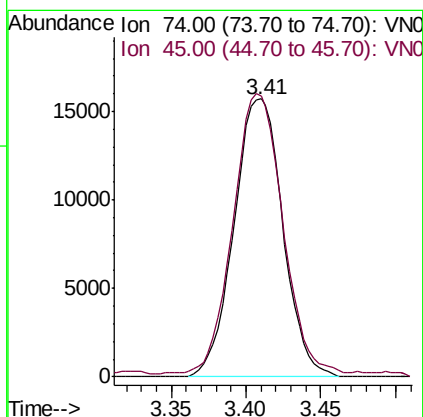
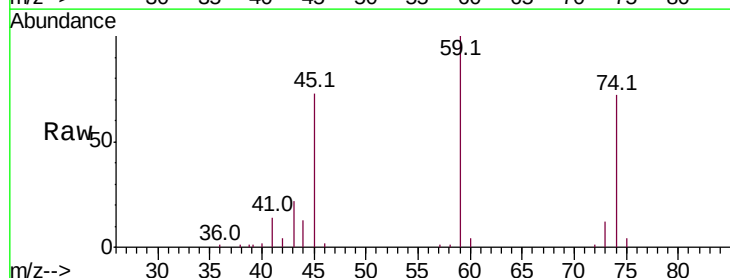
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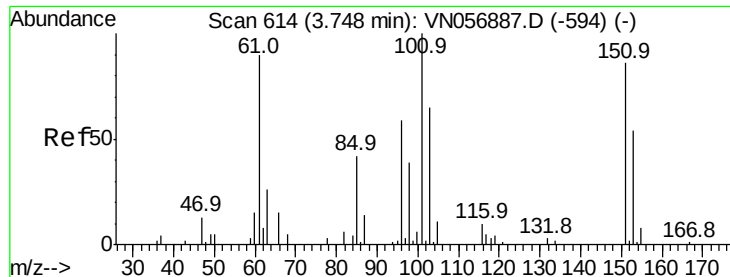


#8

Diethyl Ether
Concen: 19.579 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion: 74 Resp: 35679
Ion Ratio Lower Upper
74 100
45 103.0 19.5 175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.118 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

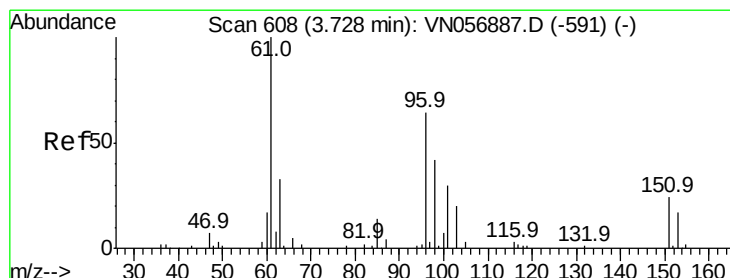
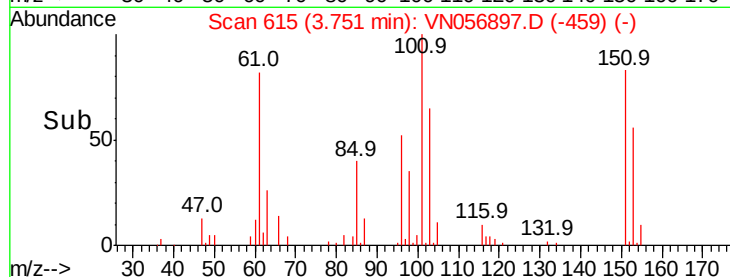
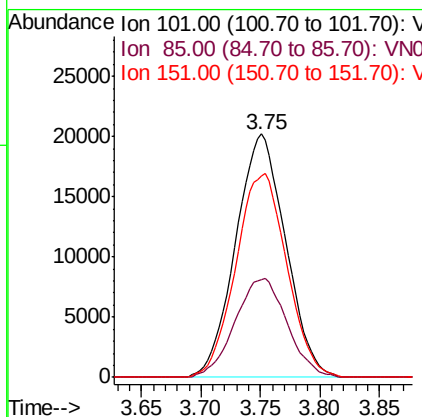
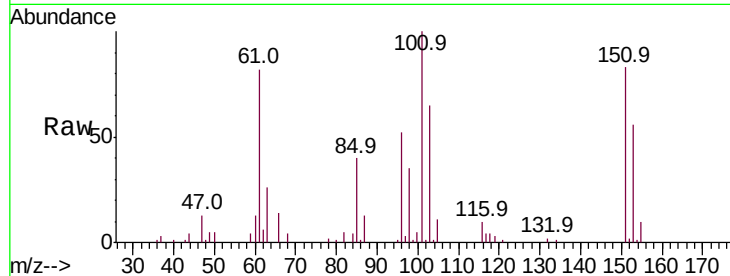
ClientSampleId :

VN0724WBS01

Tot Ion:	101	Resp:	58718
Ion Ratio	Lower	Upper	
101	100		
85	42.2	0.0	85.0
151	85.5	0.0	167.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.074 ug/l

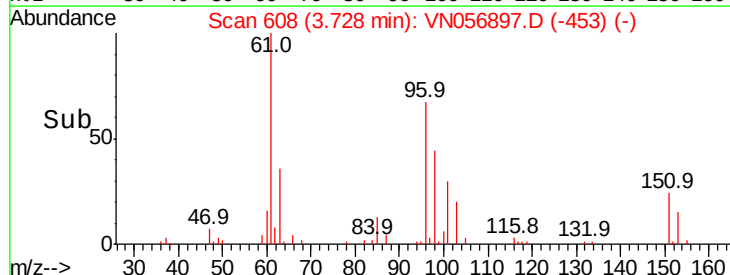
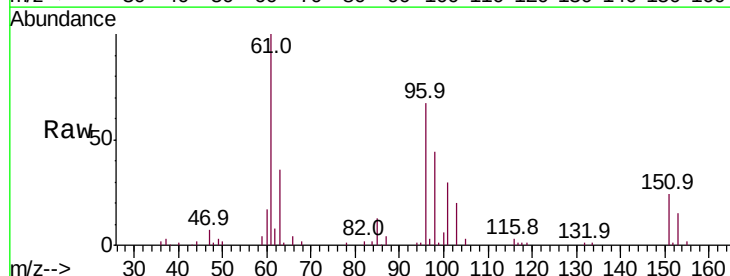
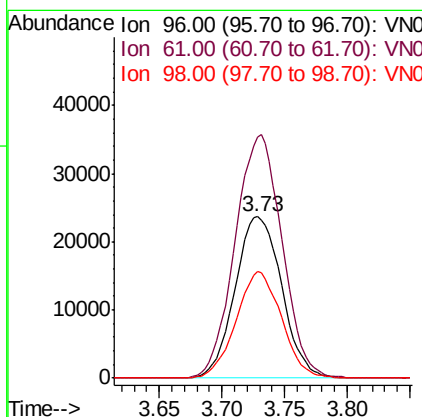
RT: 3.73 min Scan# 608

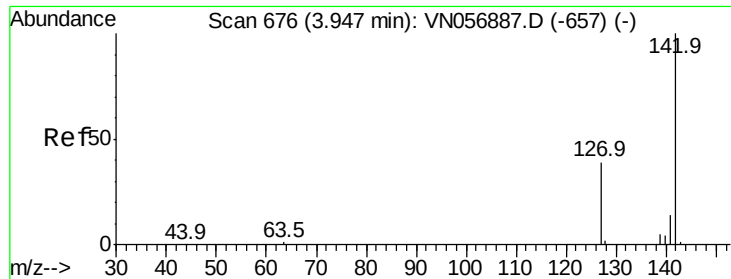
Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Tgt Ion:	96	Resp:	61186
Ion Ratio	Lower	Upper	
96	100		
61	149.6	125.8	188.8
98	65.9	52.7	79.1





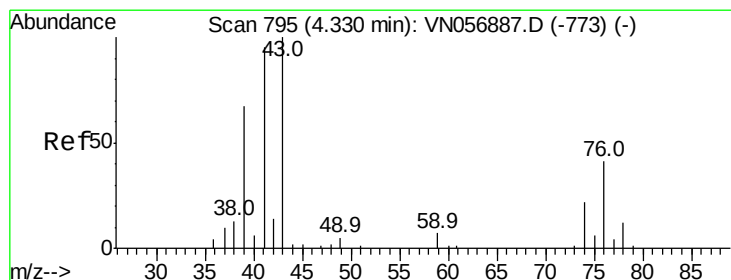
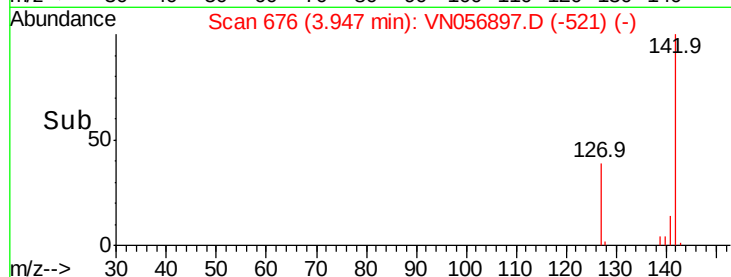
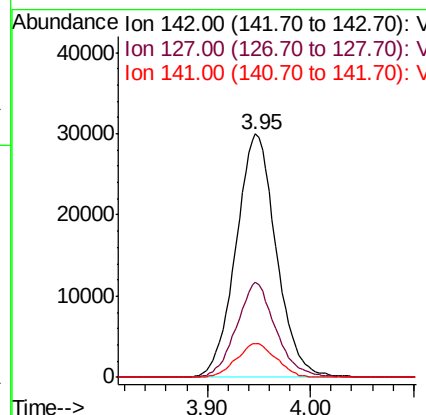
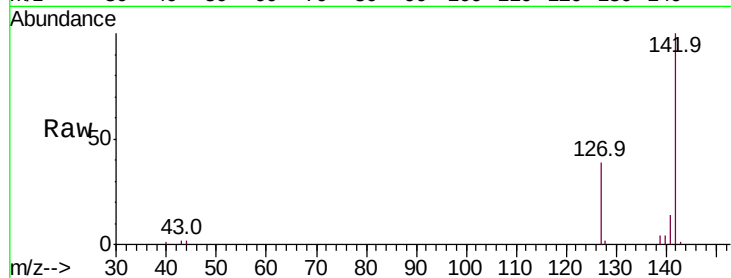
#11
Methyl Iodide
Concen: 18.031 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.3	19.6	58.8
141	14.0	7.2	21.6

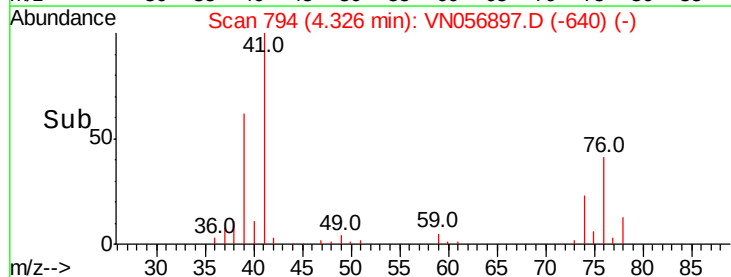
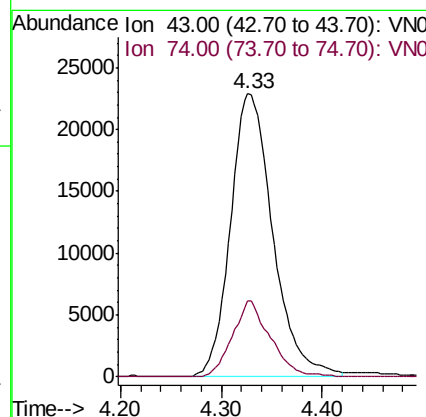
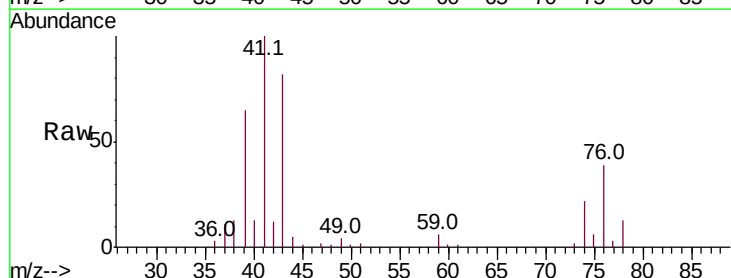
Manual Integrations
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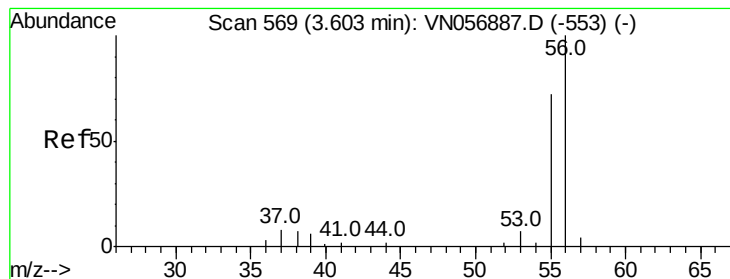
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#12
Methyl Acetate
Concen: 17.923 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.2	18.1	27.1#





#13

Acrolein

Concen: 92.601 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 56 Resp: 39093

Ion Ratio Lower Upper

56 100

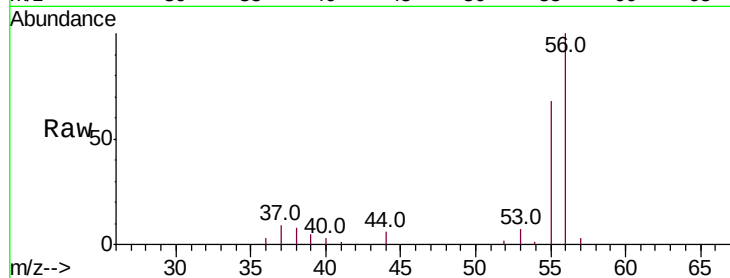
55 70.7 58.5 87.7

Manual Integrations

APPROVED

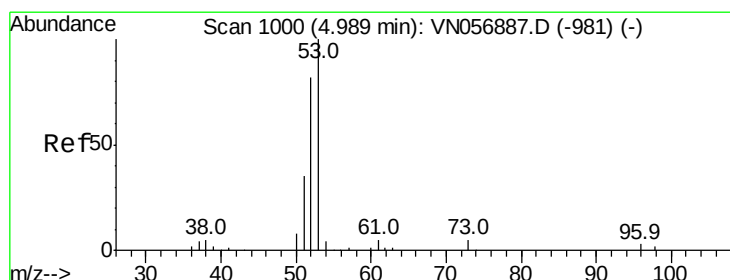
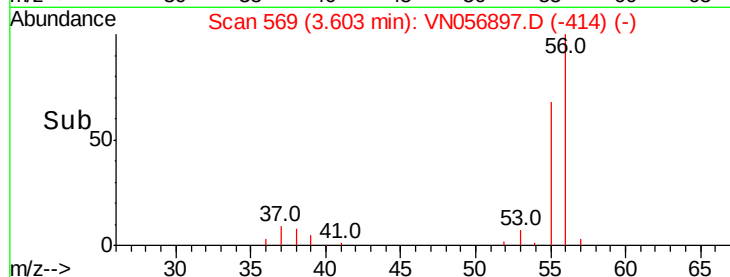
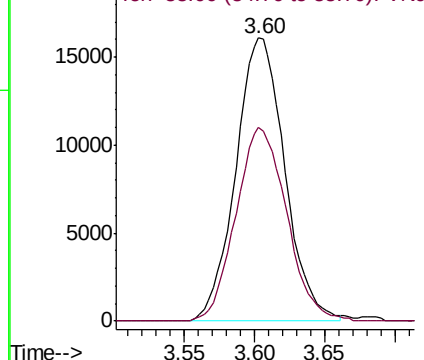
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 95.627 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

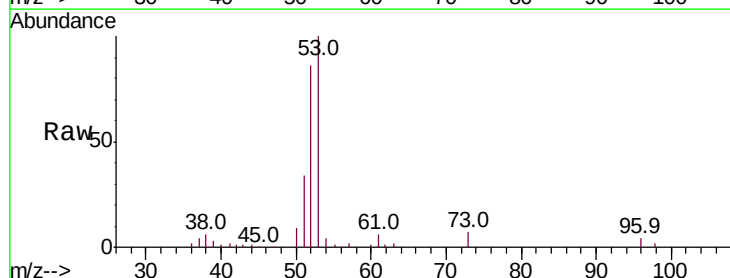
Tgt Ion: 53 Resp: 137568

Ion Ratio Lower Upper

53 100

52 84.0 40.8 122.5

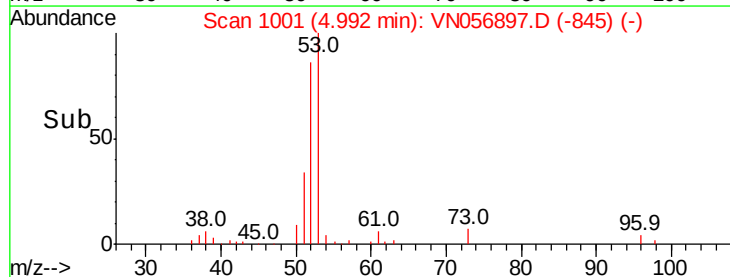
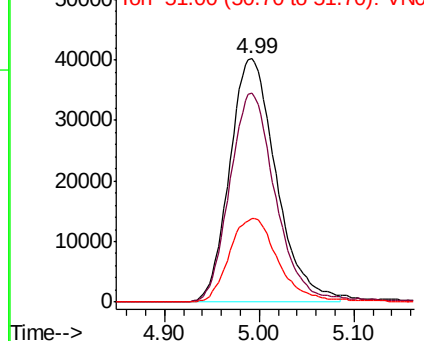
51 35.8 17.4 52.2

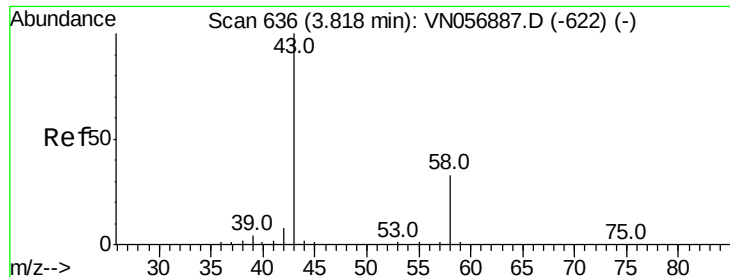


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 96.017 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 58 Resp: 35711

Ion Ratio Lower Upper

58 100

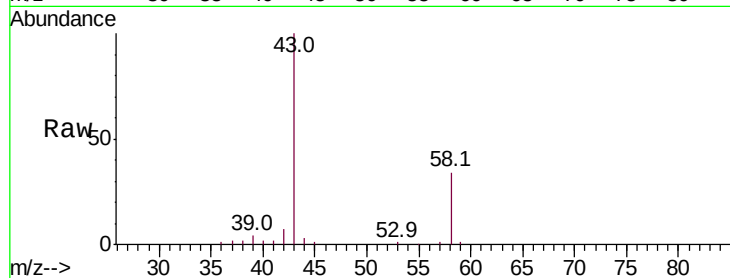
43 288.6 242.4 363.6

Manual Integrations

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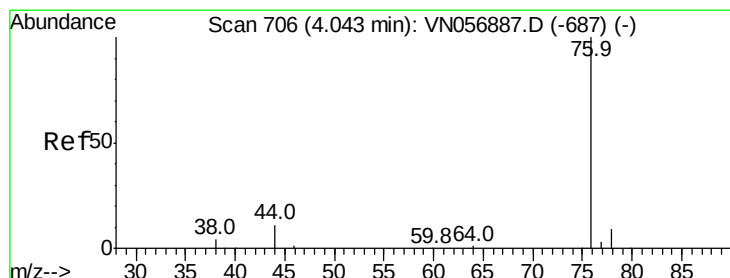
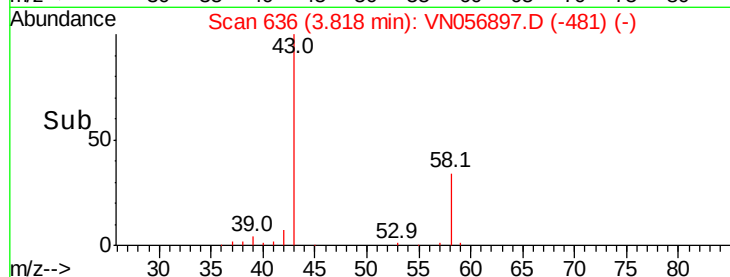
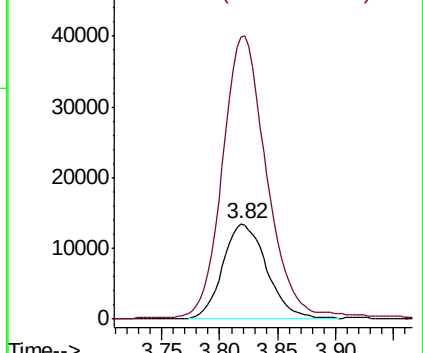
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.955 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056897.D

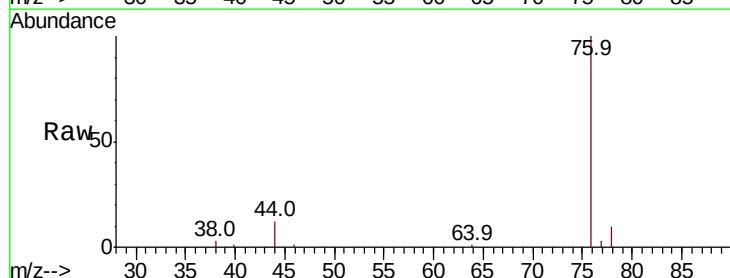
Acq: 24 Jul 2019 00:42

Tgt Ion: 76 Resp: 155790

Ion Ratio Lower Upper

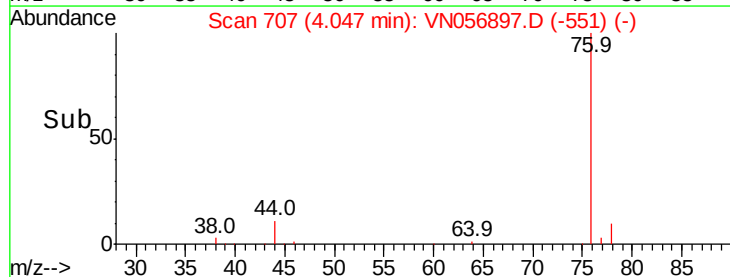
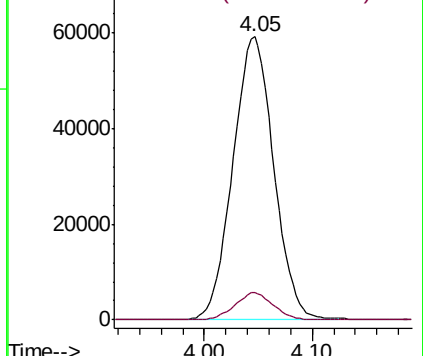
76 100

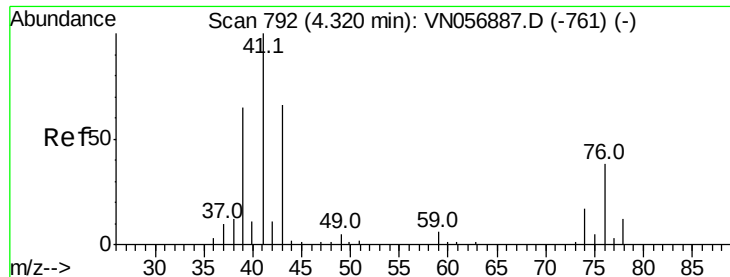
78 9.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





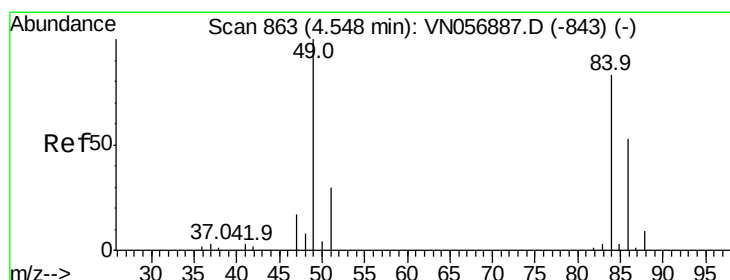
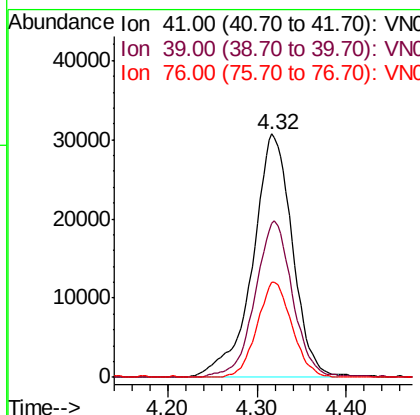
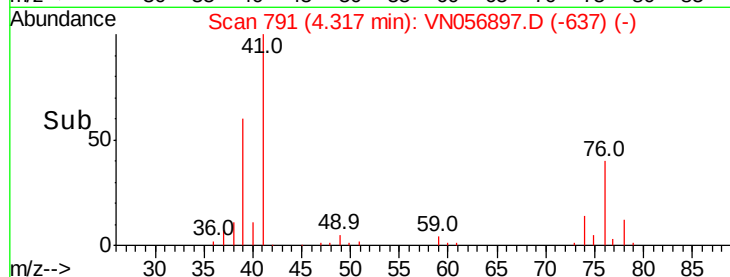
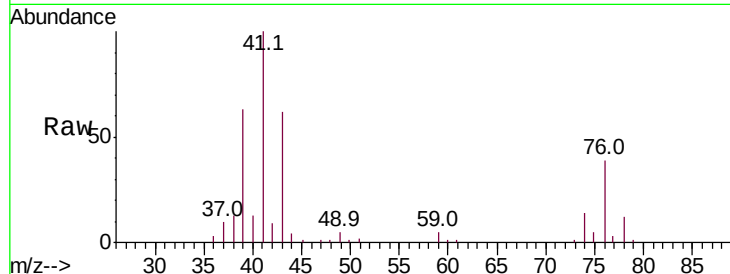
#17
Allvl chloride
Concen: 18.593 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.2	32.4	97.0
76	39.0	19.0	57.0

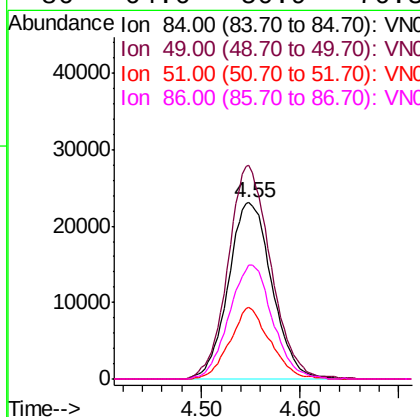
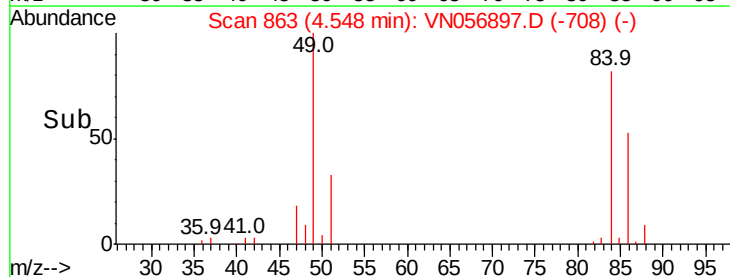
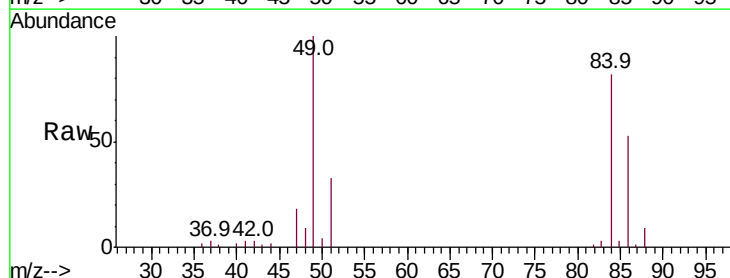
Manual Integrations
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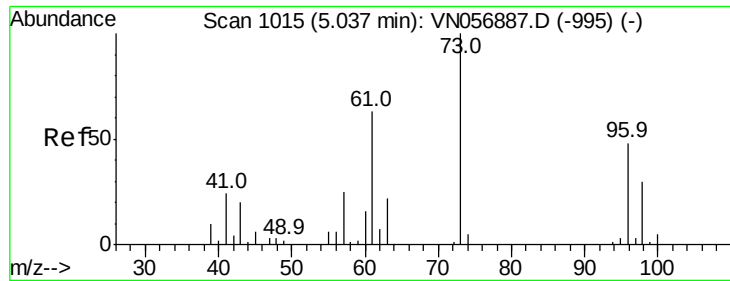
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#18
Methylene Chloride
Concen: 19.987 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.5	96.3	144.5
51	40.4	28.8	43.2
86	64.6	50.9	76.3





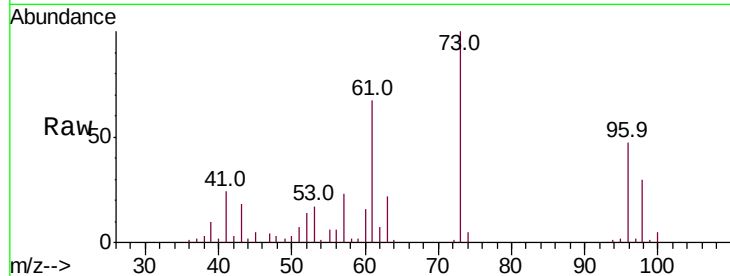
#19
trans-1,2-Dichloroethene
Concen: 19.498 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

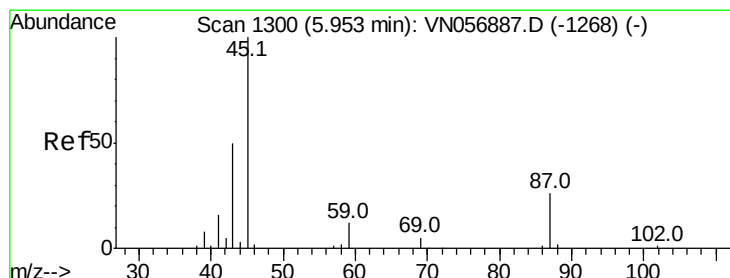
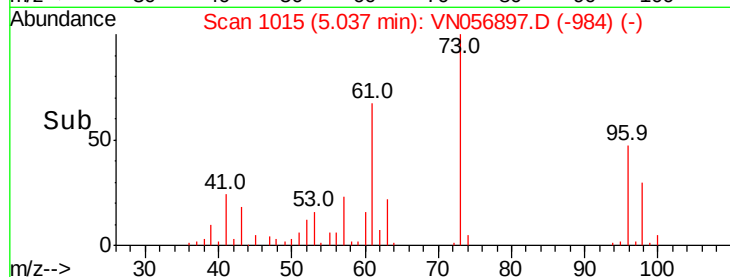
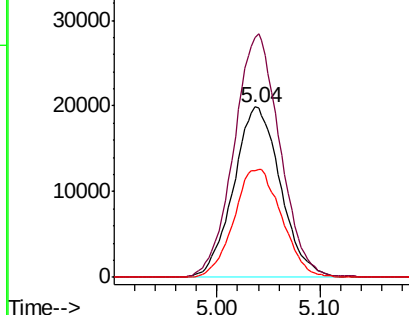
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.9	105.4	158.0
98	62.6	50.8	76.2

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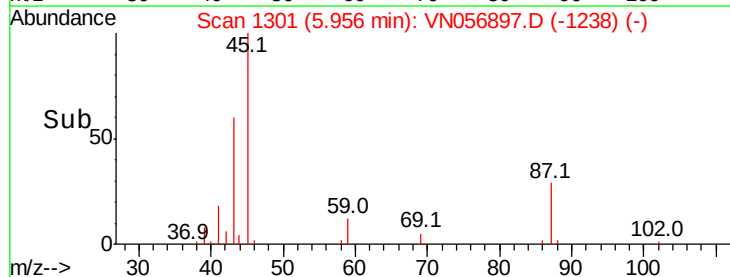
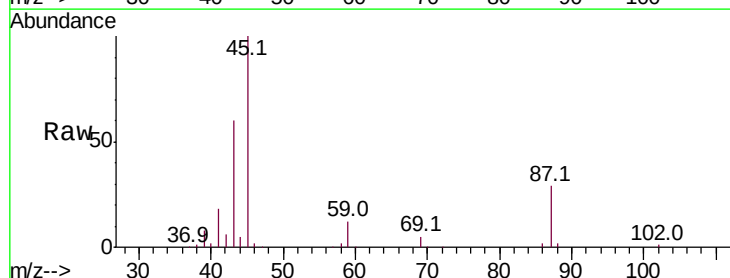
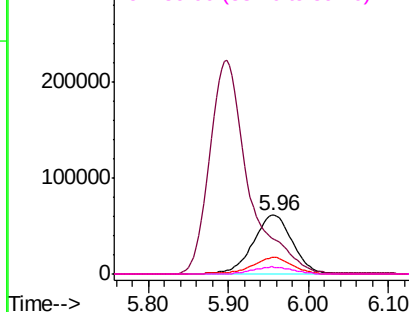
Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

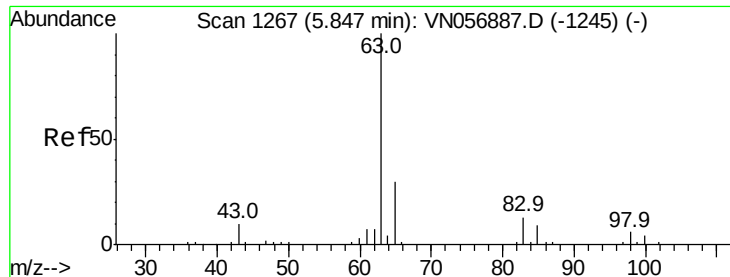


#20
Diisopropyl ether
Concen: 20.114 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	47.4	71.0
87	29.2	21.7	32.5
59	11.4	9.3	13.9

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





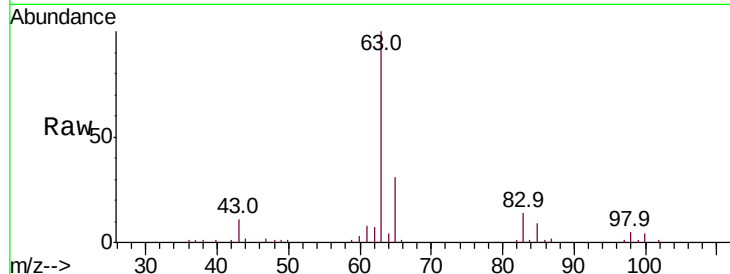
#21
 1,1-Dichloroethane
 Concen: 19.980 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

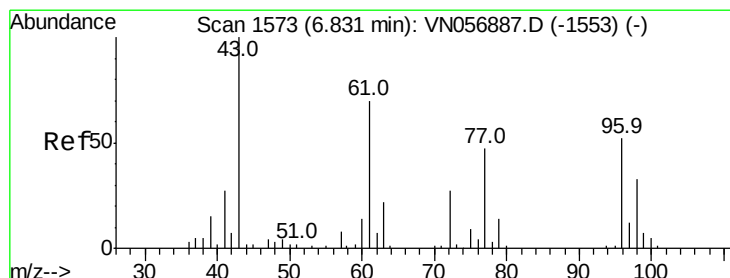
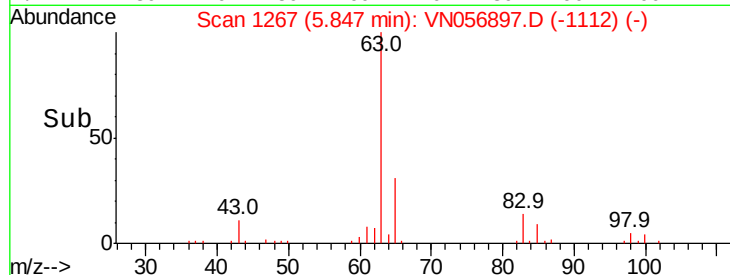
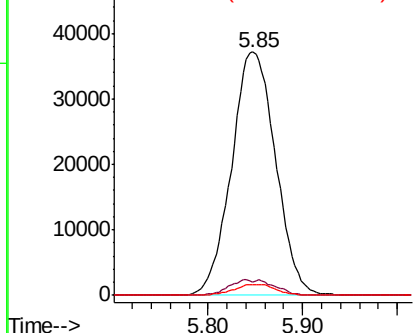
Tot Ion	Ratio	Resp	Lower	Upper
63	100	120247		
98	5.5		3.1	9.3
100	4.4		1.8	5.5

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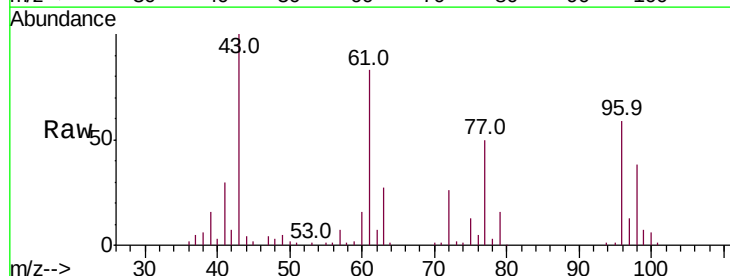


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

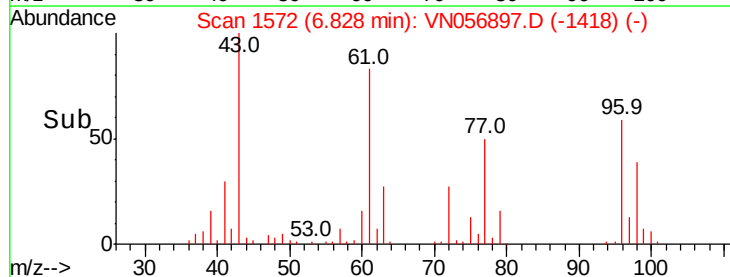
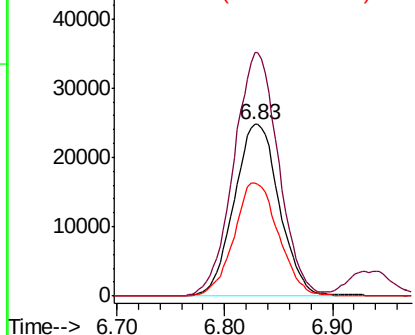


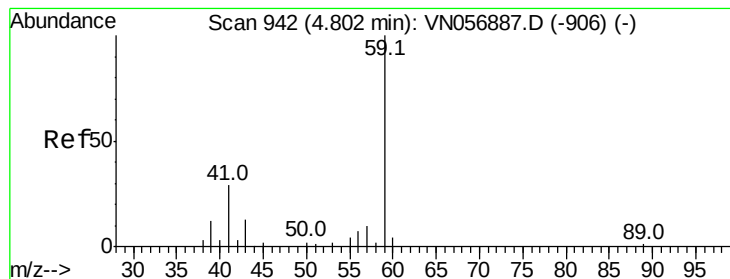
#22
 cis-1,2-Dichloroethene
 Concen: 19.262 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	72011		
61	140.3		111.6	167.4
98	65.2		51.0	76.4



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 99.081 ug/l

RT: 4.81 min Scan# 944

Delta R.T. 0.01 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 59 Resp: 47567

Ion Ratio Lower Upper

59 100

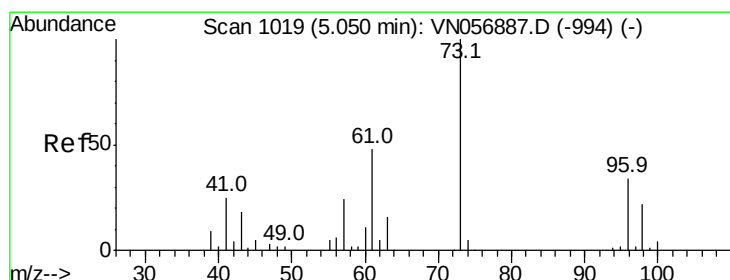
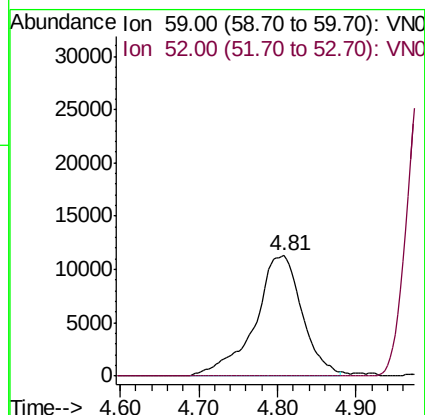
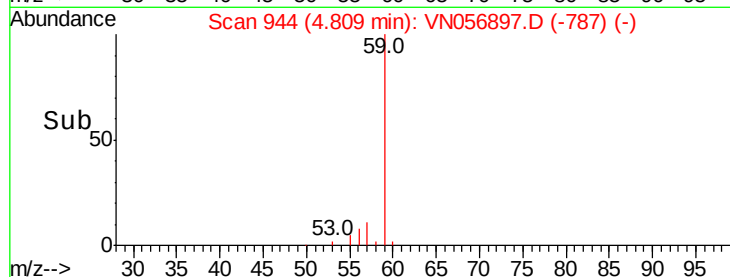
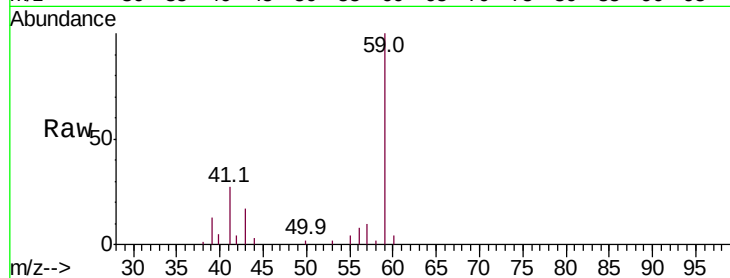
52 0.0 0.0 0.0

Manual Integrations

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#24

Methyl tert-Butyl Ether

Concen: 19.219 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN056897.D

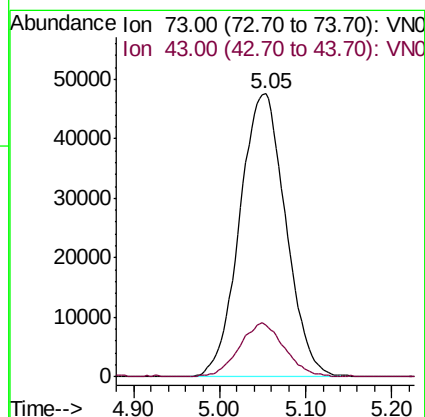
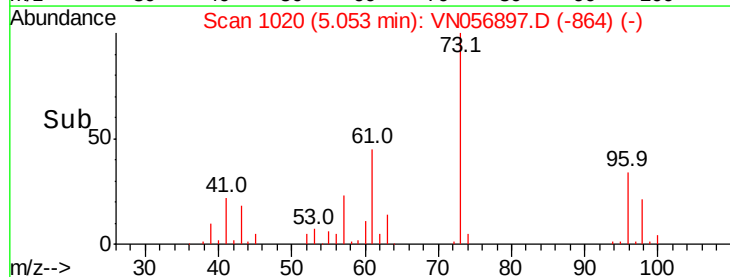
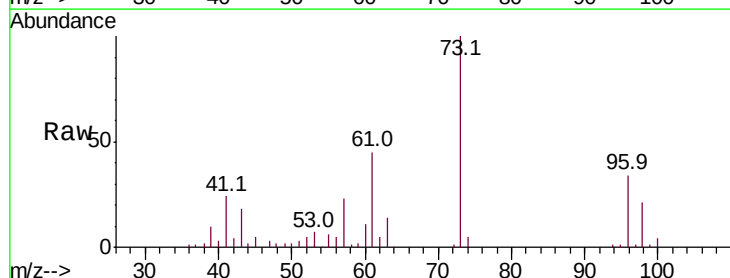
Acq: 24 Jul 2019 00:42

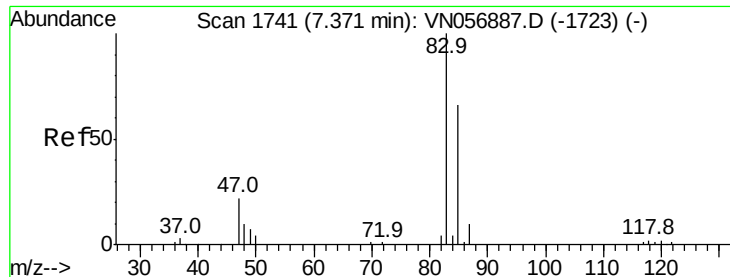
Tgt Ion: 73 Resp: 177107

Ion Ratio Lower Upper

73 100

43 18.7 15.4 23.0





#25

Chloroform

Concen: 19.841 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 83 Resp: 116485

Ion Ratio Lower Upper

83 100

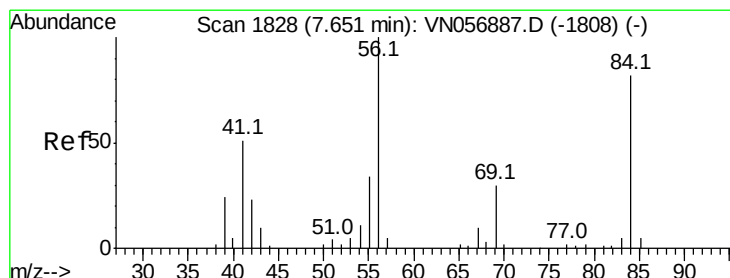
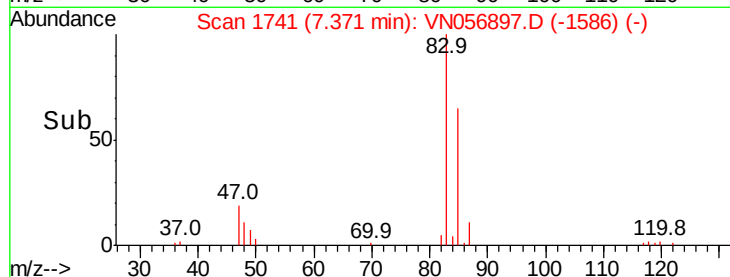
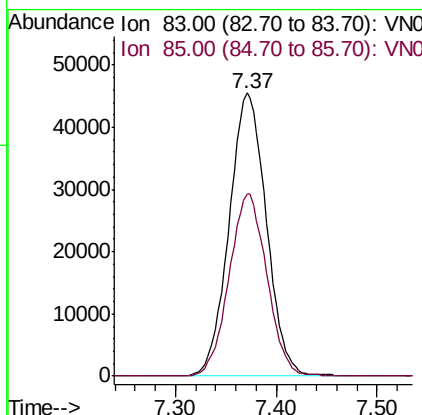
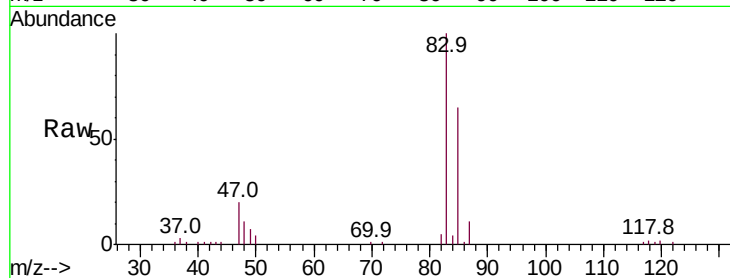
85 64.6 53.1 79.7

Manual Integrations

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#26

Cyclohexane

Concen: 19.466 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

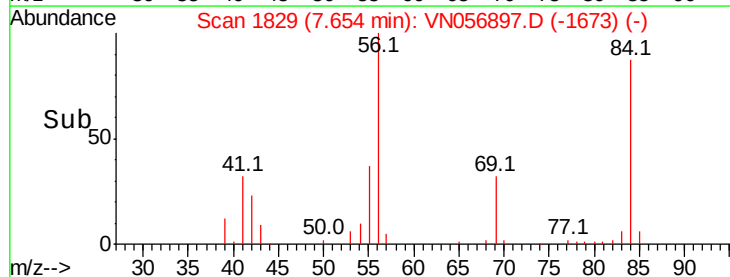
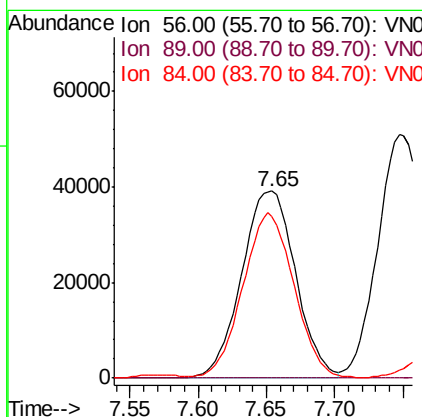
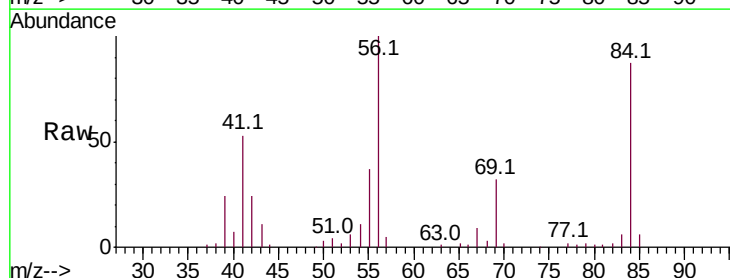
Tgt Ion: 56 Resp: 107617

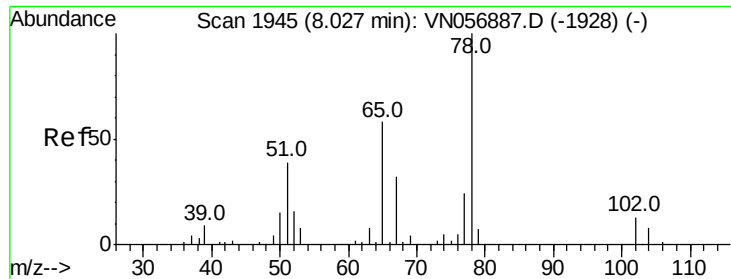
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 84.0 67.8 101.6





#27

1,2-Dichloroethane-d4

Concen: 29.707 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 65 Resp: 110995

Ion Ratio Lower Upper

65 100

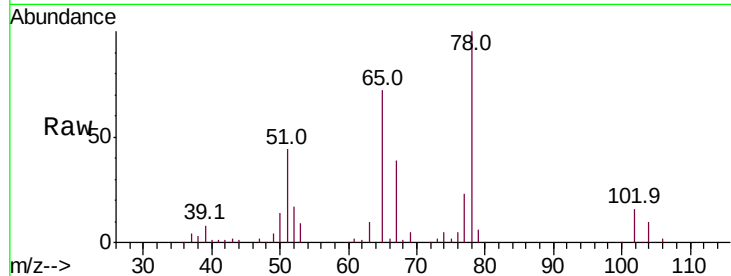
67 55.5 44.6 66.8

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VN056887.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN056887.D (-1928) (-)

8.02

50000

40000

30000

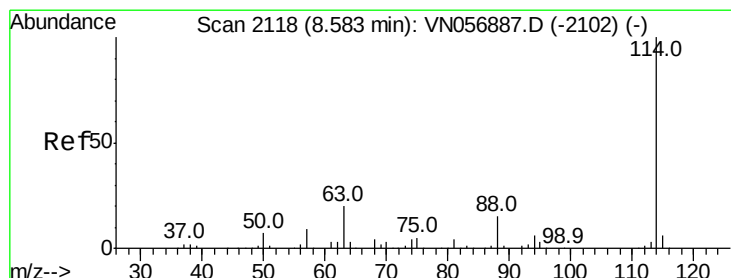
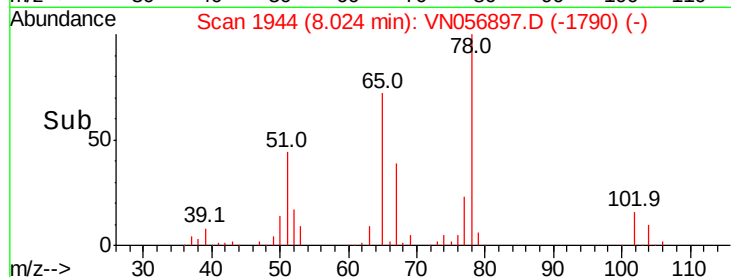
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

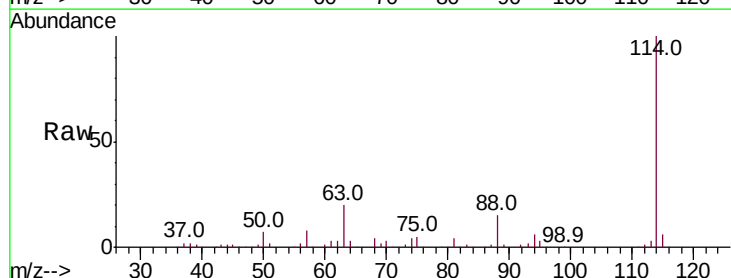
Tgt Ion: 114 Resp: 303235

Ion Ratio Lower Upper

114 100

63 19.8 15.8 23.6

88 15.0 12.5 18.7



Abundance Ion 114.00 (113.70 to 114.70): VN056887.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN056887.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN056887.D (-2102) (-)

8.58

200000

150000

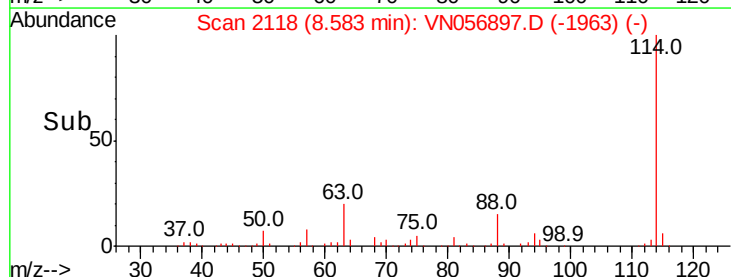
100000

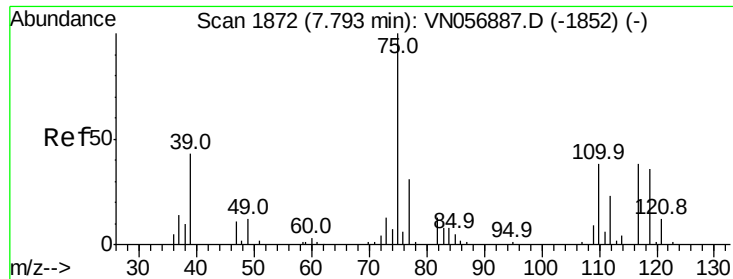
50000

0

8.50 8.55 8.60 8.65

Time-->





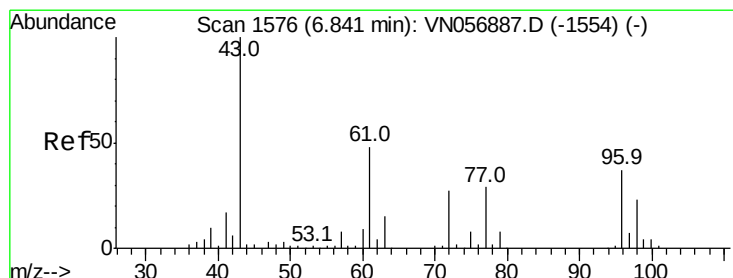
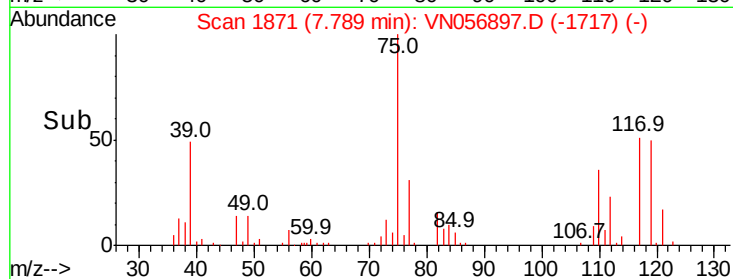
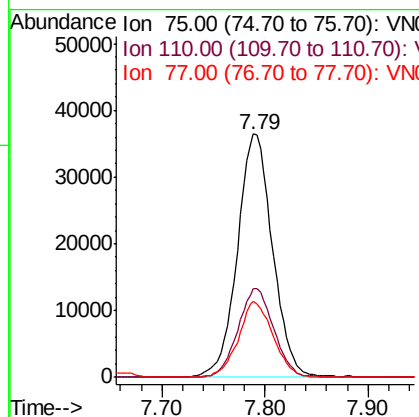
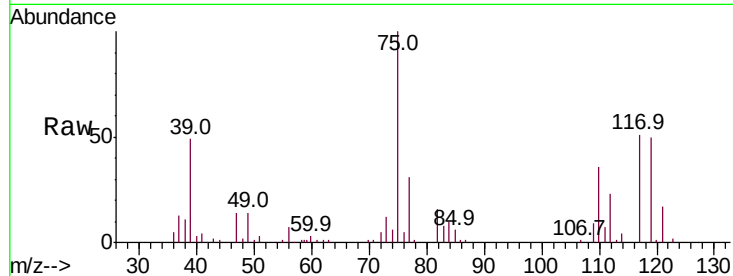
#29
 1,1-Dichloropropene
 Concen: 20.104 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.0	0.0	75.8
77	30.9	0.0	64.0

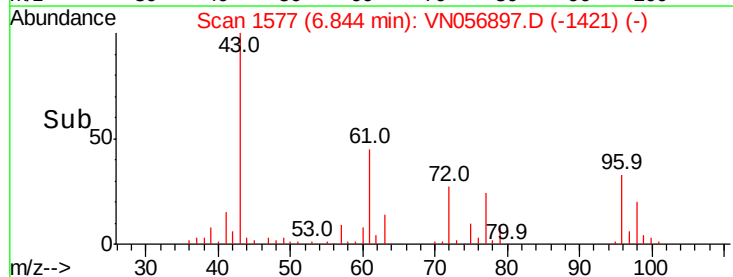
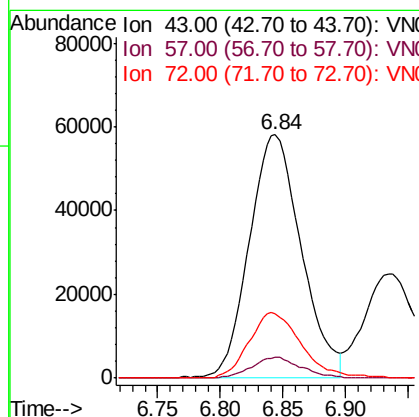
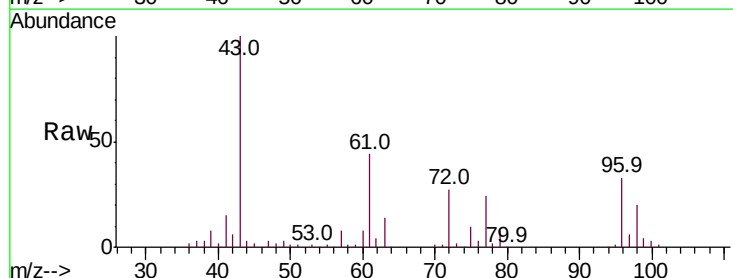
Manual Integrations
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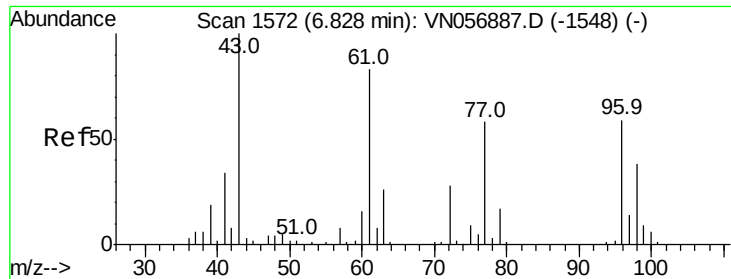
MMDadoda
 7/25/2019 2:20:25 PM



#30
 2-Butanone
 Concen: 95.892 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.5	9.7
72	27.0	22.1	33.1





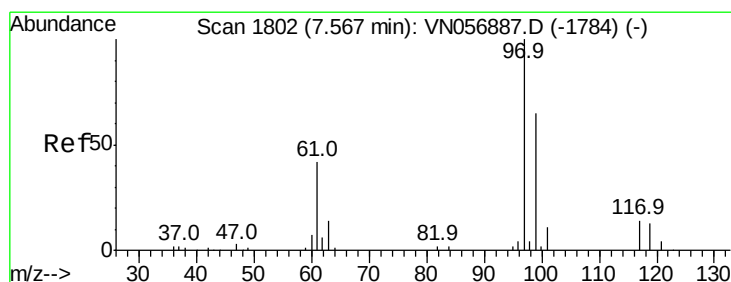
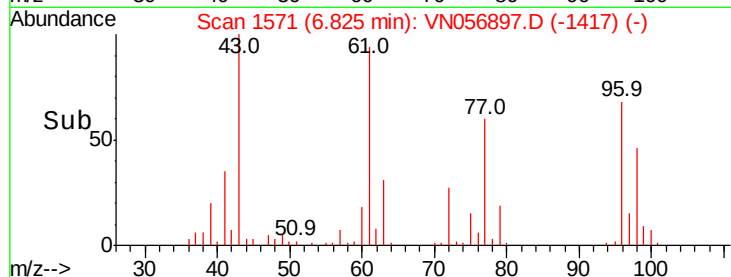
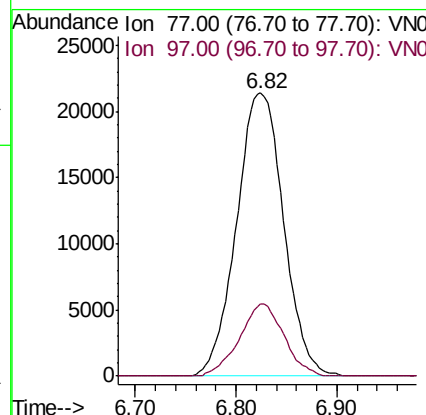
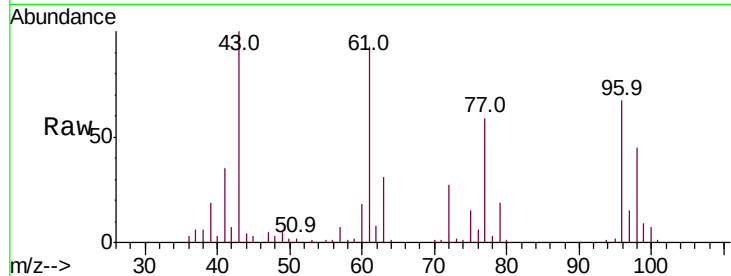
#31
 2,2-Dichloropropane
 Concen: 17.324 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion: 77 Resp: 69182
 Ion Ratio Lower Upper
 77 100
 97 24.1 19.3 28.9

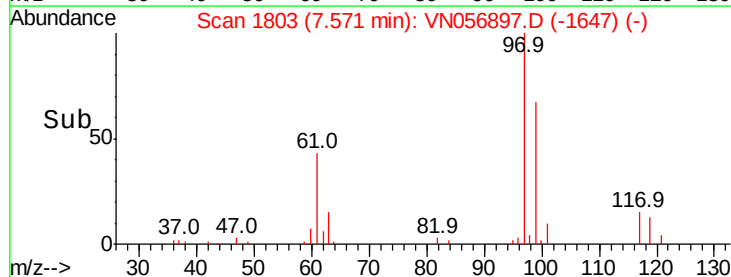
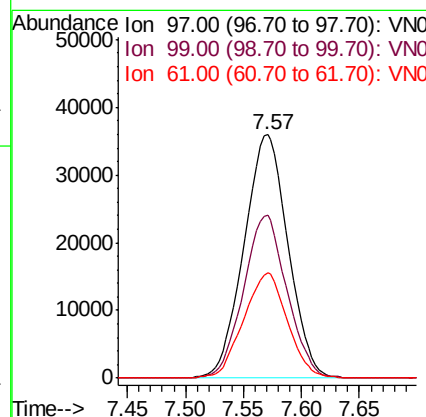
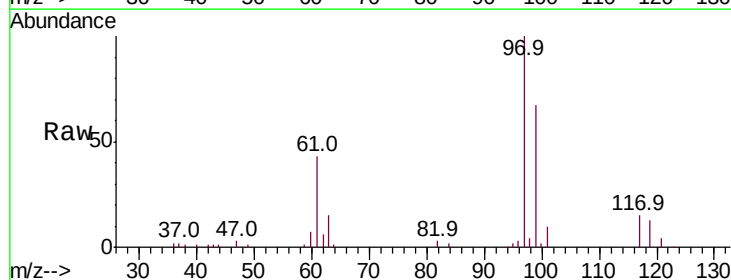
Manual Integrations
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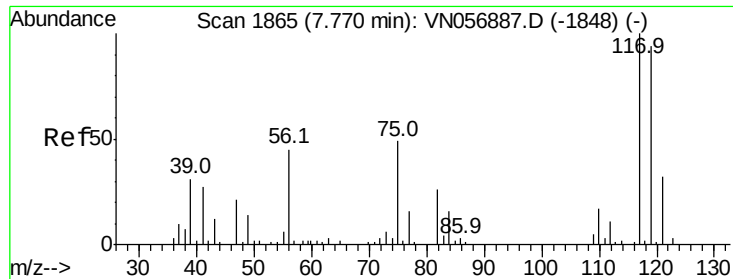
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 20.124 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion: 97 Resp: 95149
 Ion Ratio Lower Upper
 97 100
 99 65.9 52.3 78.5
 61 43.0 34.4 51.6





#33

Carbon Tetrachloride

Concen: 19.884 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion:117 Resp: 82059

Ion Ratio Lower Upper

117 100

119 93.7 75.1 112.7

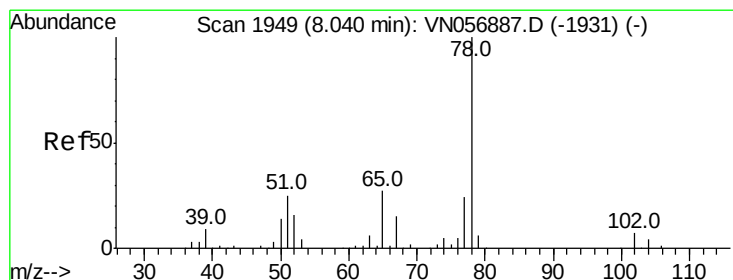
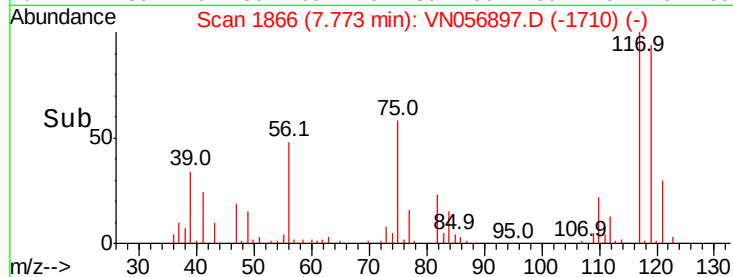
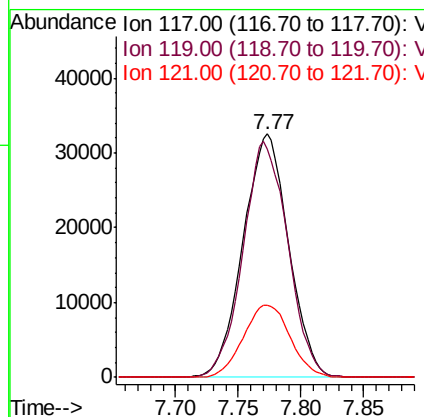
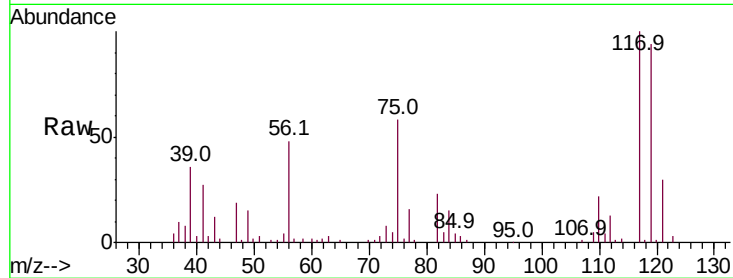
121 29.6 25.8 38.8

Manual Integrations

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#34

Benzene

Concen: 20.255 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

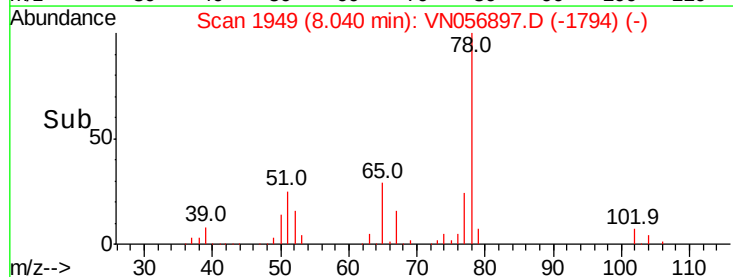
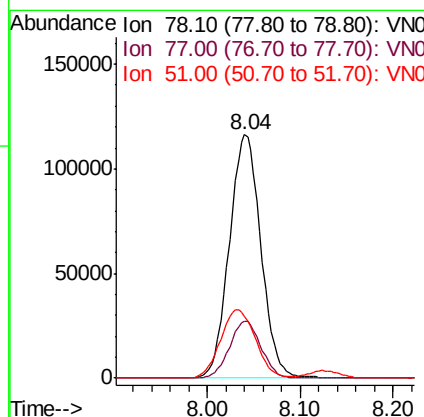
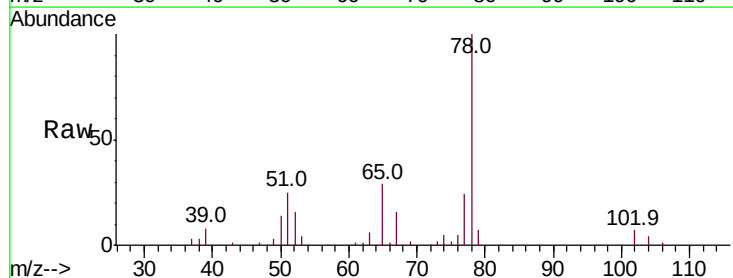
Tgt Ion: 78 Resp: 274638

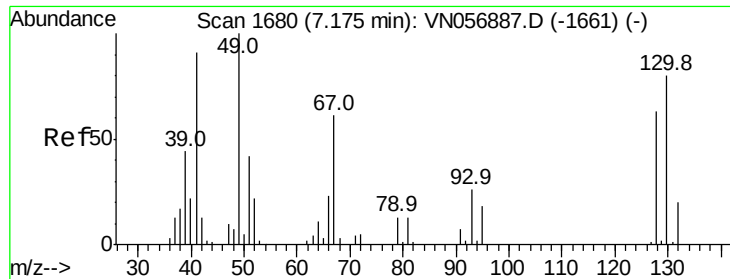
Ion Ratio Lower Upper

78 100

77 23.5 19.4 29.2

51 25.2 20.4 30.6





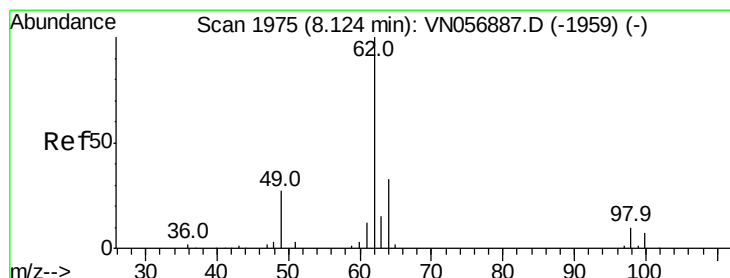
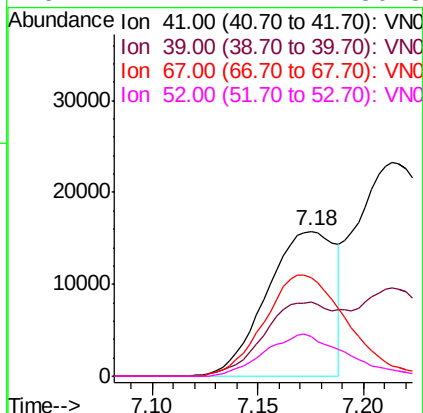
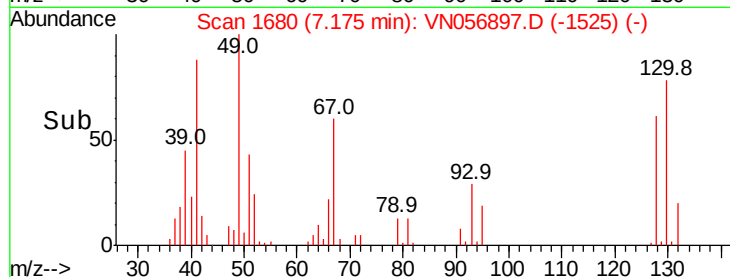
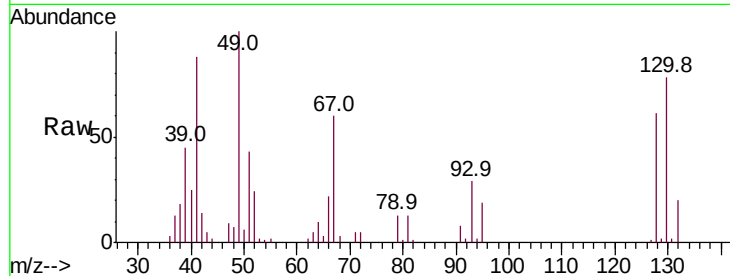
#35
Methacrylonitrile
Concen: 20.674 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	41	Resp	35695
Ion	Ratio	Lower	Upper
41	100		
39	51.0	24.4	73.2
67	68.3	33.4	100.1
52	27.1	12.1	36.3

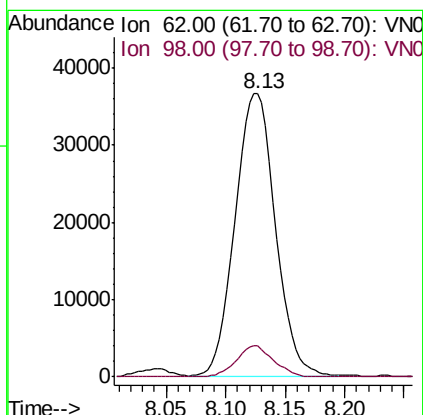
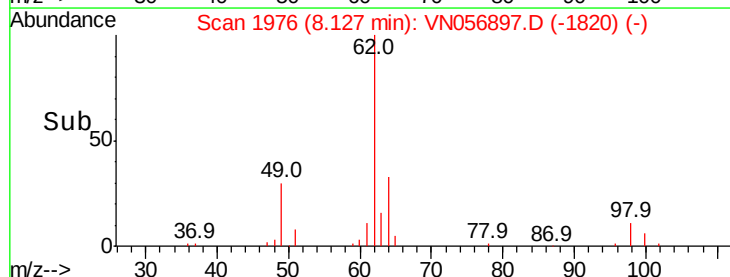
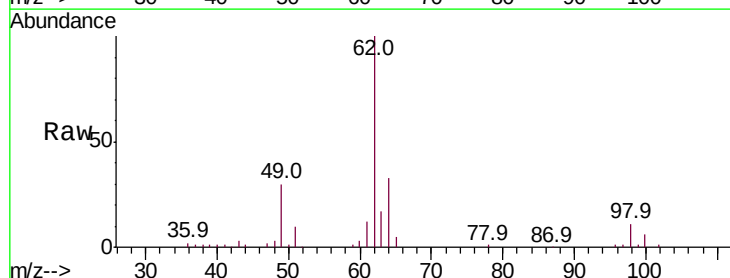
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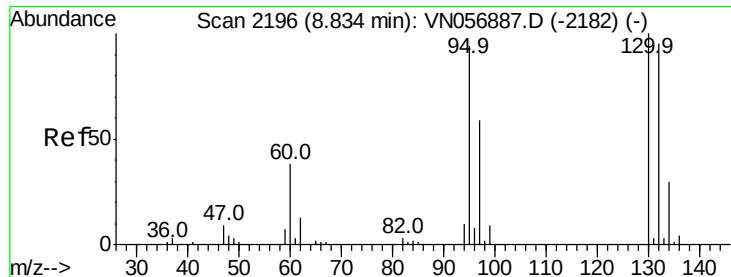
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#36
1,2-Dichloroethane
Concen: 20.558 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion	62	Resp	86655
Ion	Ratio	Lower	Upper
62	100		
98	10.0	7.7	11.5





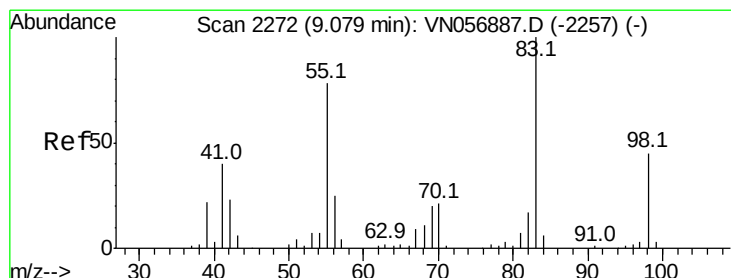
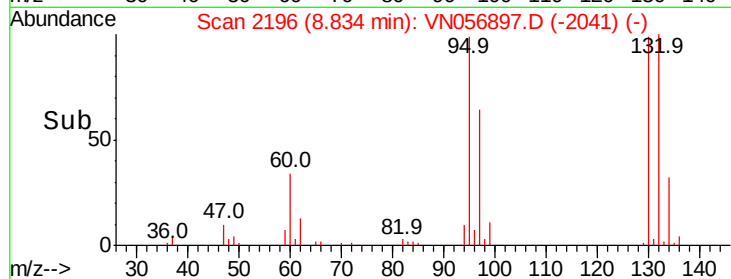
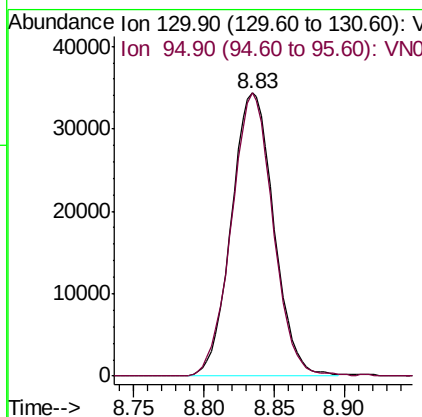
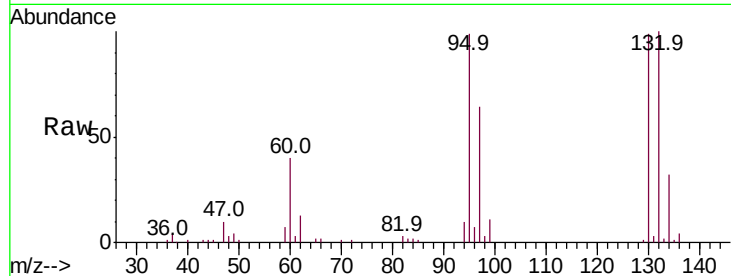
#37
 Trichloroethene
 Concen: 19.903 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion:130 Resp: 72349
 Ion Ratio Lower Upper
 130 100
 95 100.0 74.9 112.3

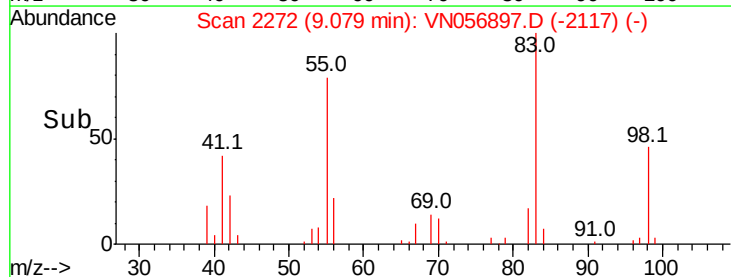
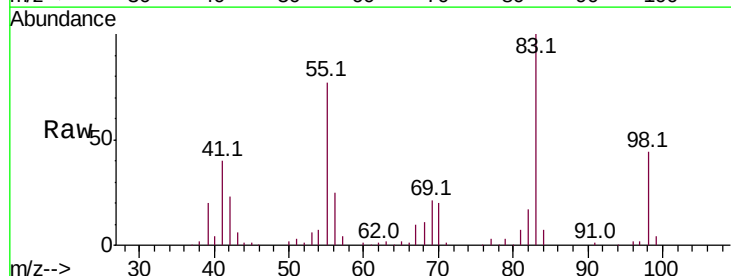
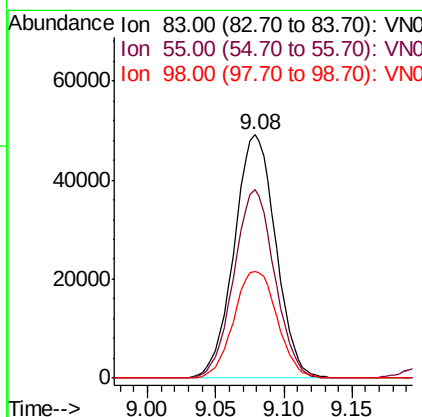
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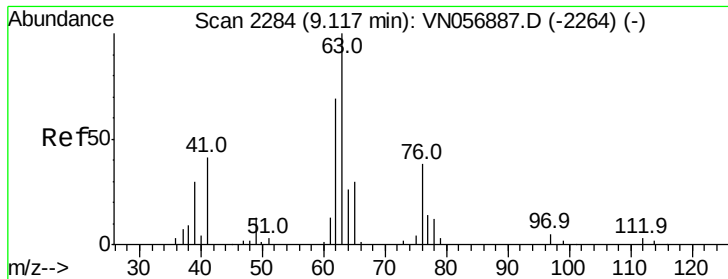
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#38
 Methylcyclohexane
 Concen: 18.993 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion: 83 Resp: 103968
 Ion Ratio Lower Upper
 83 100
 55 75.8 38.4 115.1
 98 45.8 22.7 68.0





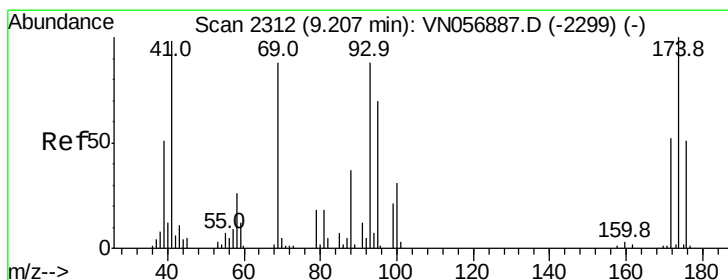
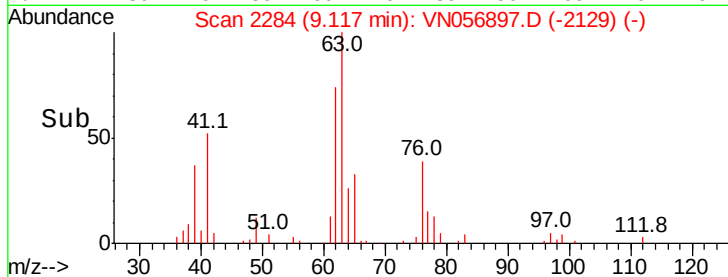
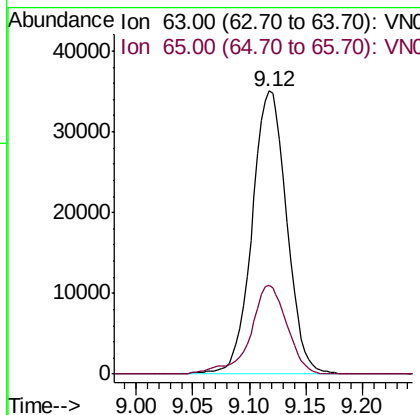
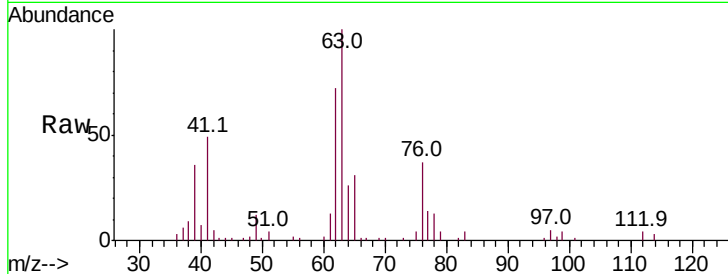
#39
 1,2-Dichloropropane
 Concen: 20.598 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion	63	Ratio	Lower	Upper
63	100			
65	31.5	24.6	36.8	

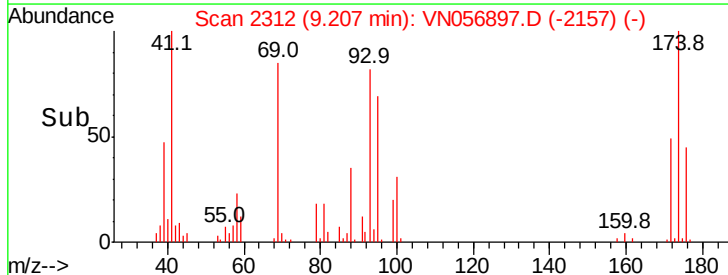
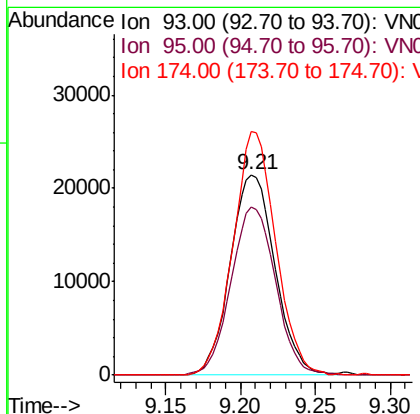
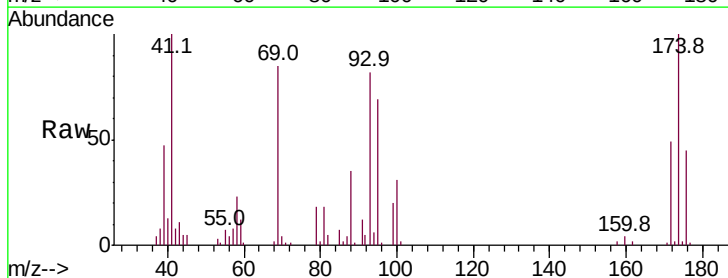
Manual Integrations
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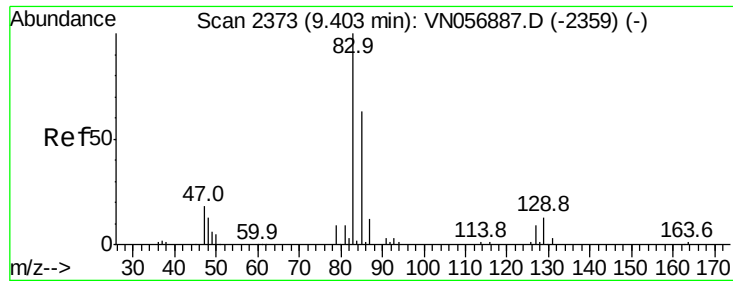
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 7/25/2019 2:20:25 PM



#40
 Dibromomethane
 Concen: 20.110 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion	93	Ratio	Lower	Upper
93	100			
95	83.5	0.0	165.8	
174	116.0	0.0	232.4	





#41

Bromodichloromethane

Concen: 19.645 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

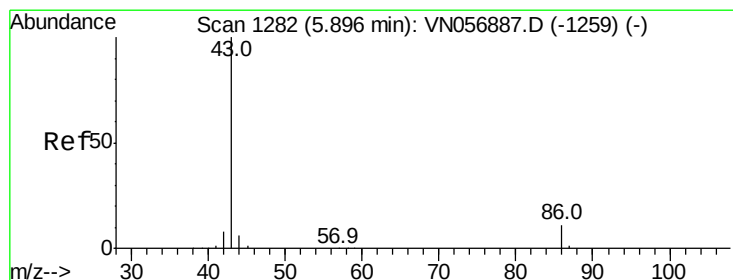
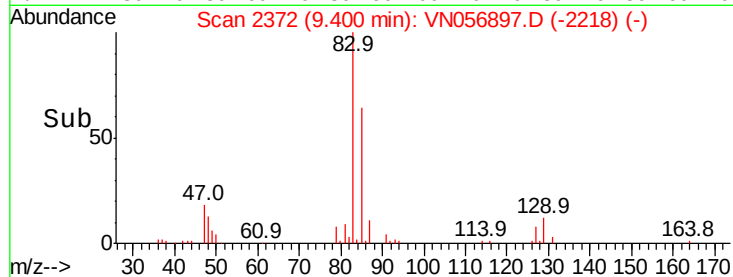
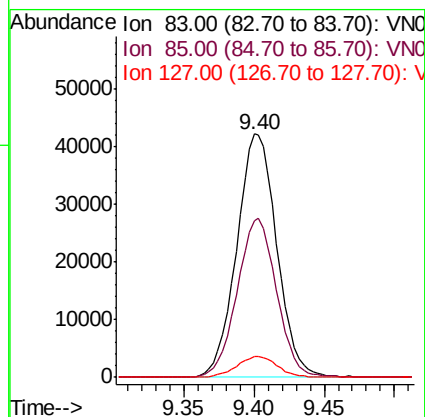
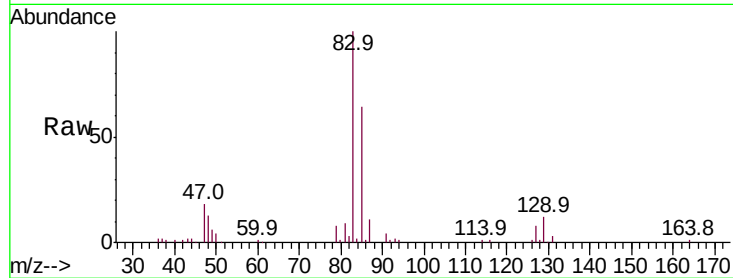
ClientSampleId :

VN0724WBS01

Tot Ion:	83	Resp:	83814
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.6	75.8
127	8.5	7.2	10.8

Manual Integrations
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7/25/2019 2:20:25 PM



#42

Vinyl Acetate

Concen: 97.273 ug/l

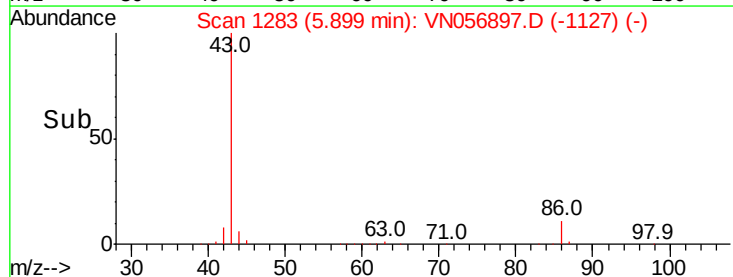
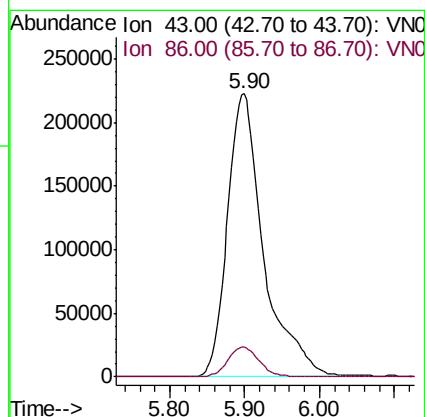
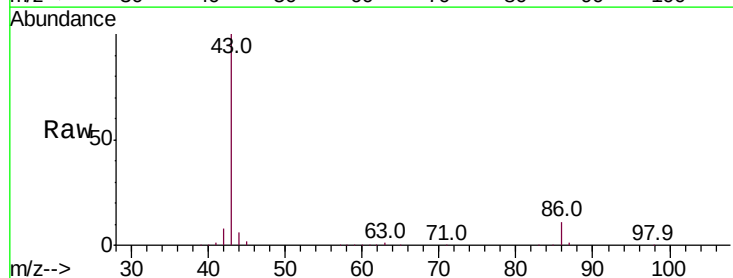
RT: 5.90 min Scan# 1283

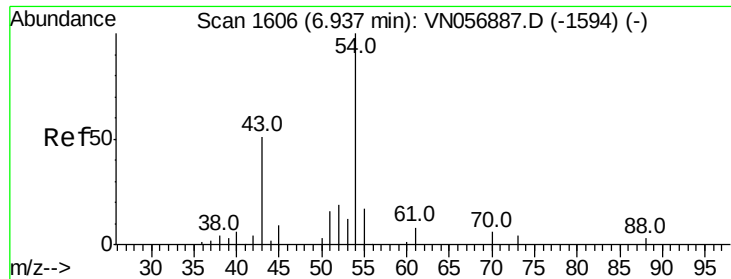
Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Tgt Ion:	43	Resp:	748923
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.4	11.2





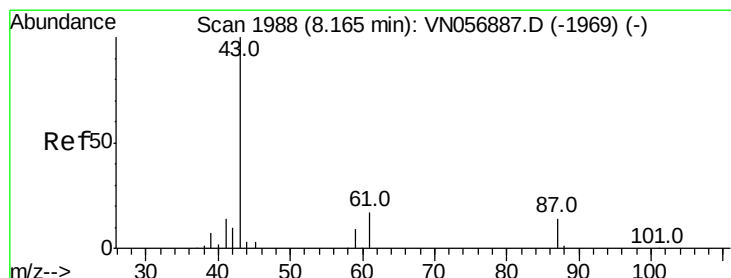
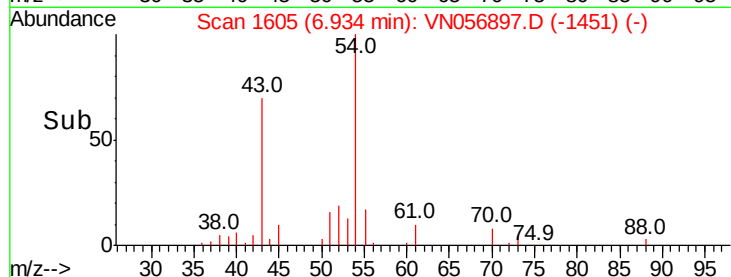
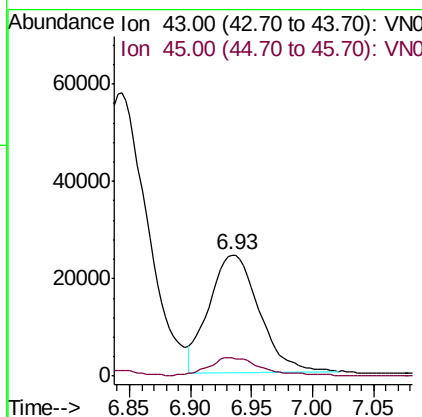
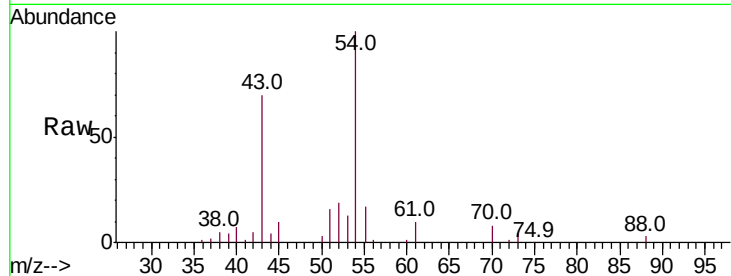
#43
Ethyl Acetate
Concen: 19.375 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion: 43 Resp: 68669
Ion Ratio Lower Upper
43 100
45 8.9 10.2 15.2#

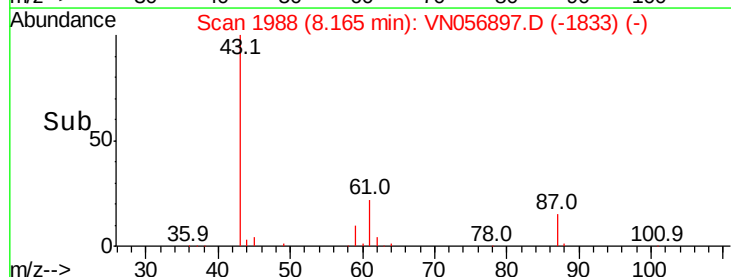
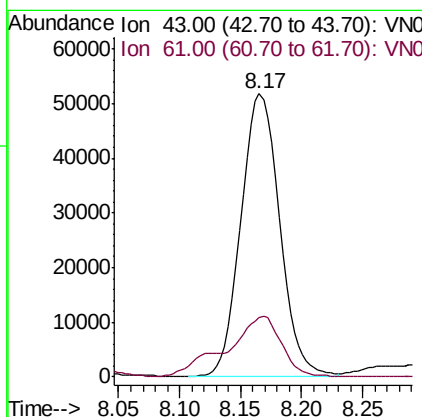
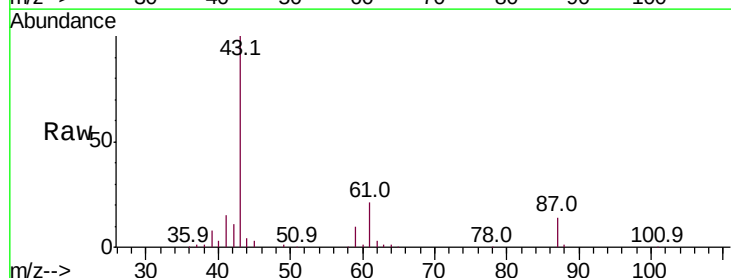
Manual Integrations
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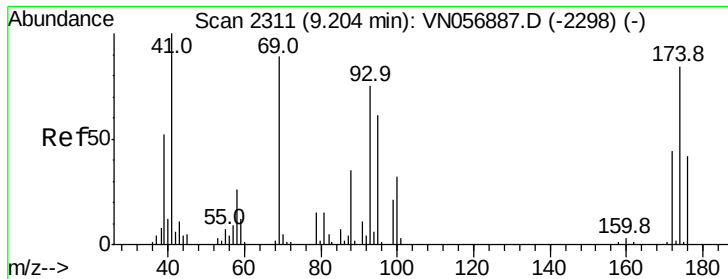
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#44
Isopropyl Acetate
Concen: 19.170 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion: 43 Resp: 113249
Ion Ratio Lower Upper
43 100
61 22.6 23.0 34.4#





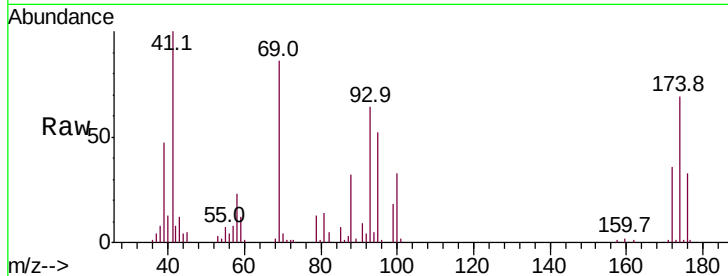
#45
 1,4-Dioxane
 Concen: 391.470 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

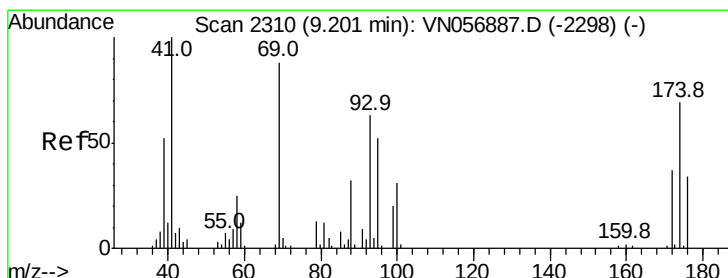
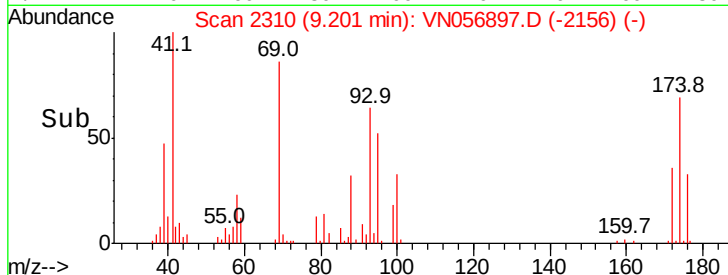
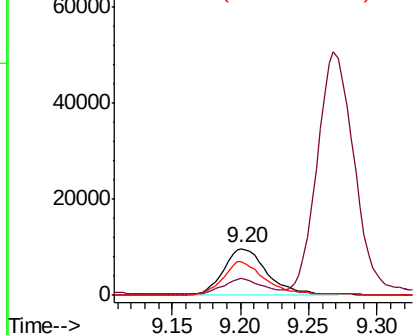
Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	23.4	35.0
58	68.3	58.5	87.7

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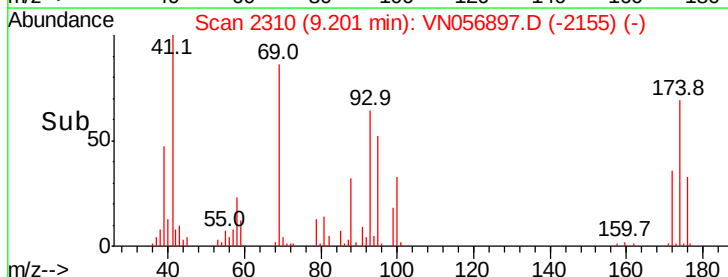
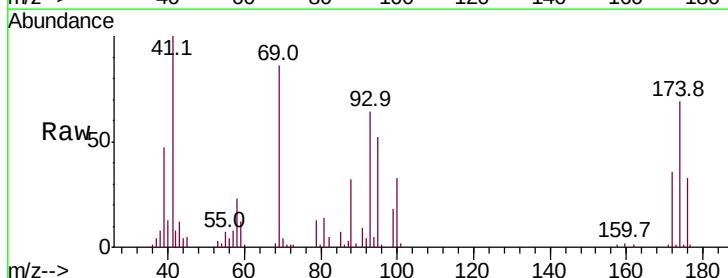
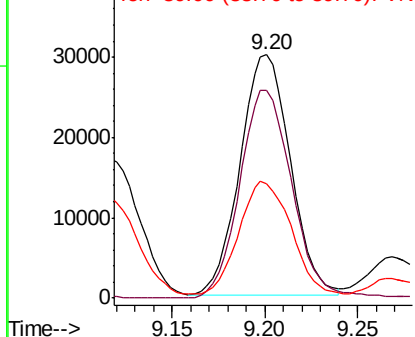
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

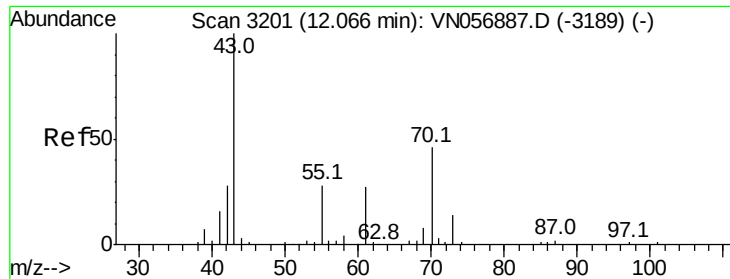


#46
 Methyl methacrylate
 Concen: 19.151 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.9	44.0	132.0
39	45.7	25.8	77.4

Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 18.052 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 43 Resp: 85370

Ion Ratio Lower Upper

43 100

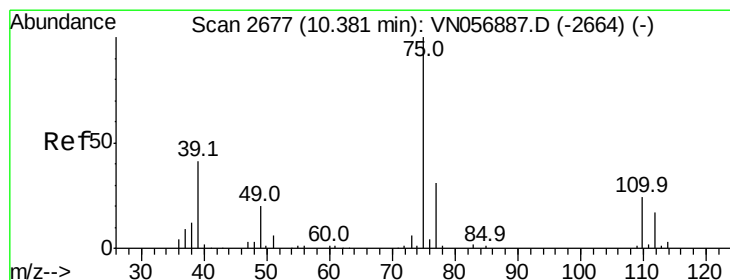
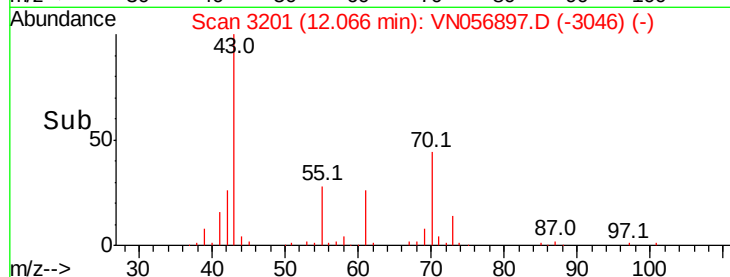
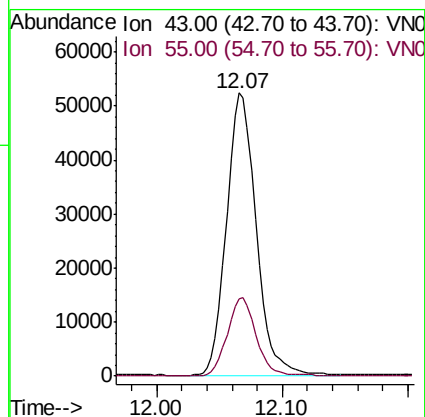
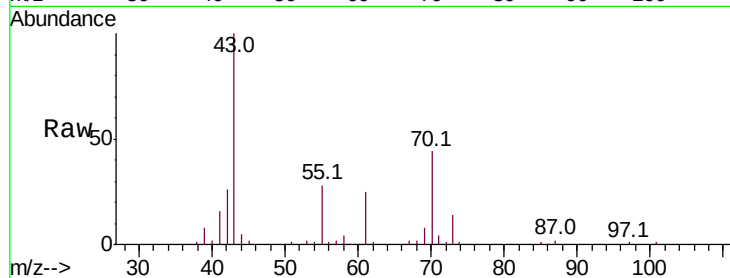
55 27.0 21.3 31.9

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#48

t-1,3-Dichloropropene

Concen: 18.049 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056897.D

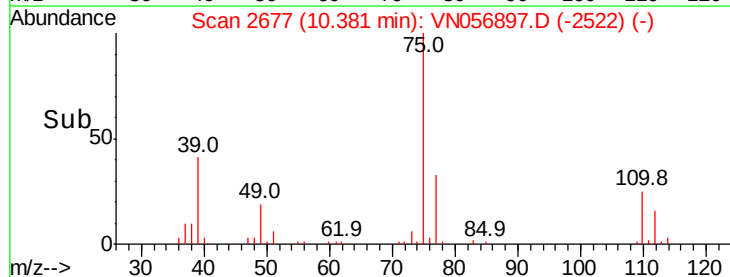
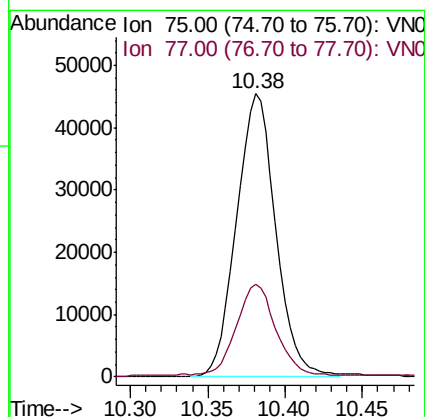
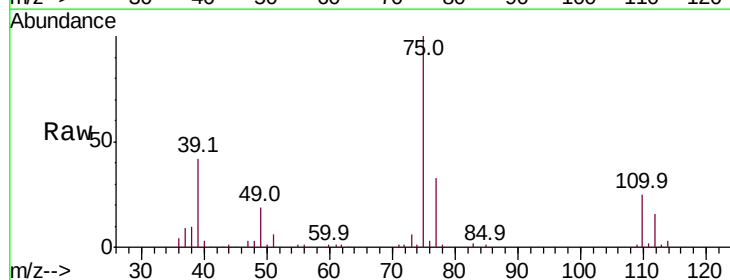
Acq: 24 Jul 2019 00:42

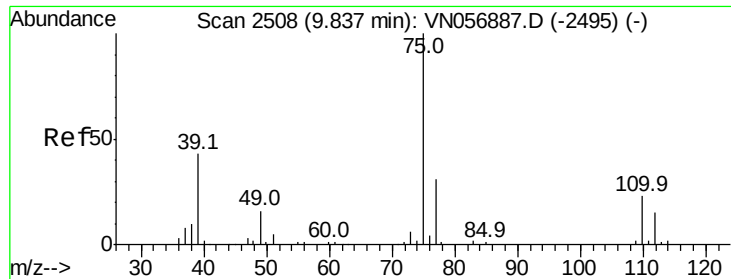
Tgt Ion: 75 Resp: 80132

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0





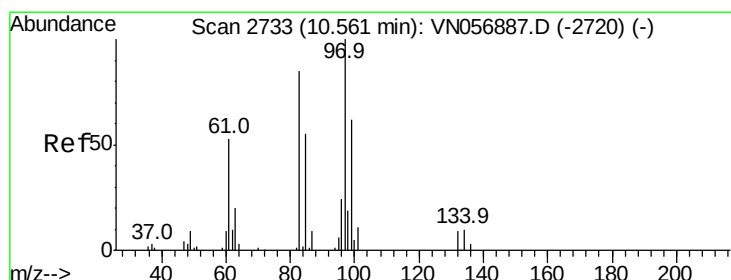
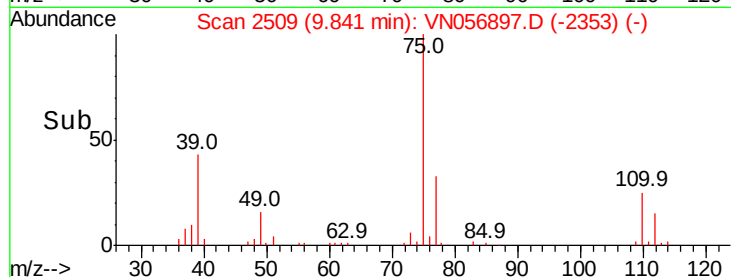
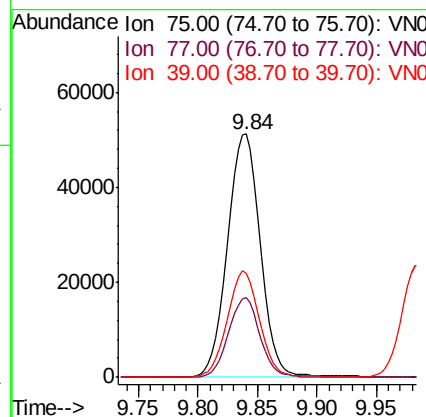
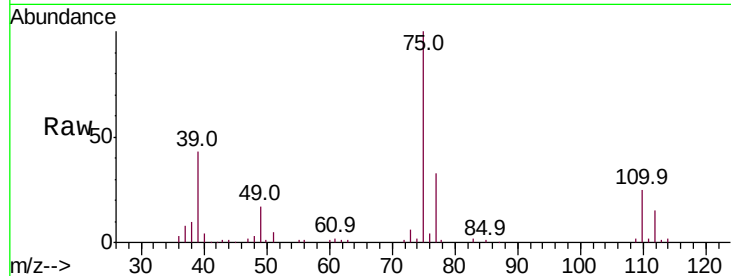
#49
 cis-1,3-Dichloropropene
 Concen: 18.970 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.4	36.6
39	42.9	34.2	51.4

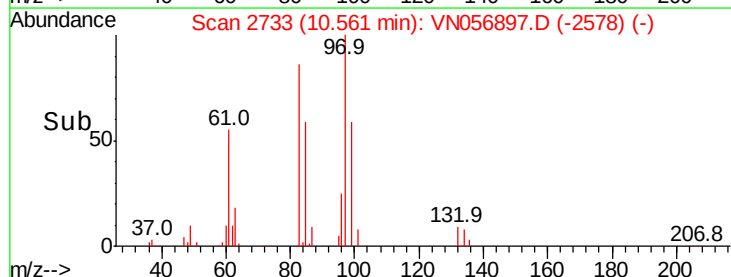
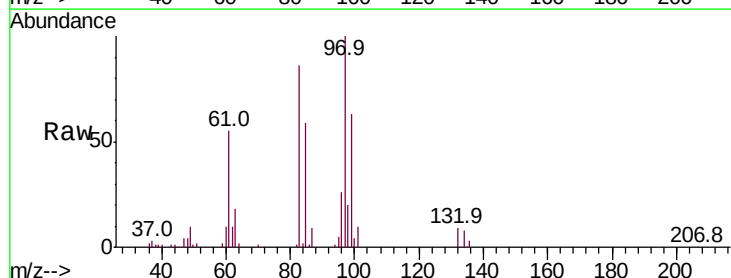
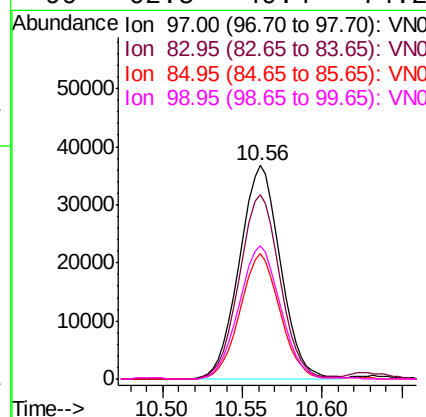
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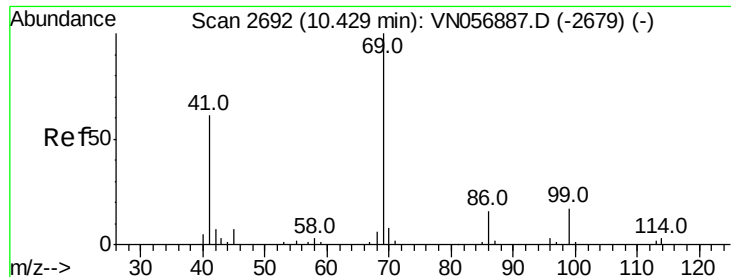
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#50
 1,1,2-Trichloroethane
 Concen: 20.321 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.4	102.6
85	58.9	44.3	66.5
99	62.5	49.4	74.2





#51

Ethyl methacrylate

Concen: 19.348 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

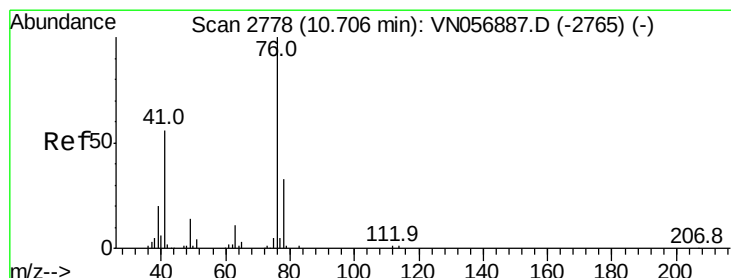
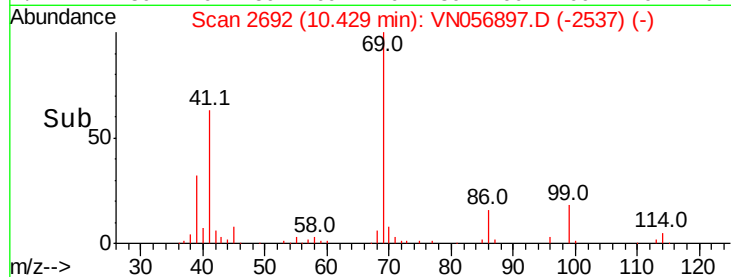
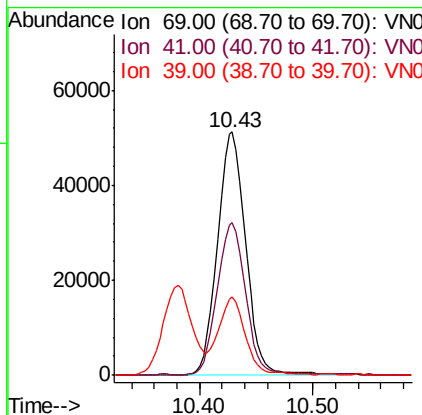
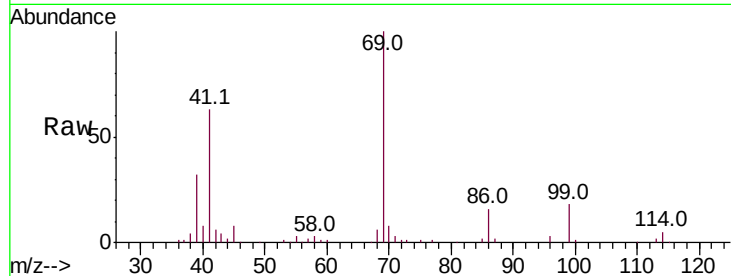
ClientSampleId :

VN0724WBS01

Tot Ion:	69	Resp:	89207
Ion Ratio	Lower	Upper	
69	100		
41	62.2	30.4	91.3
39	31.7	14.2	42.6

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#52

1,3-Dichloropropane

Concen: 20.139 ug/l

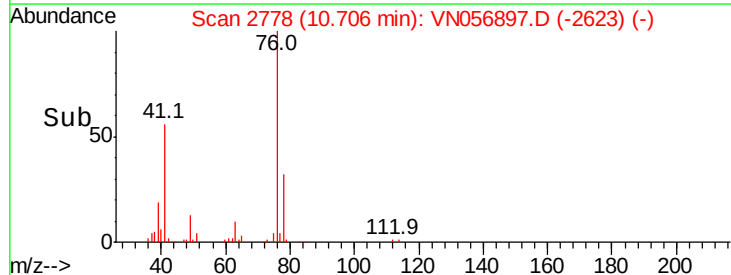
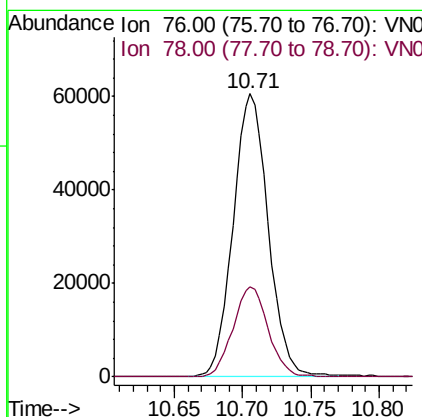
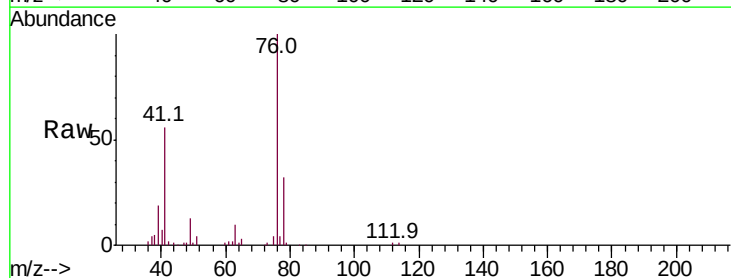
RT: 10.71 min Scan# 2778

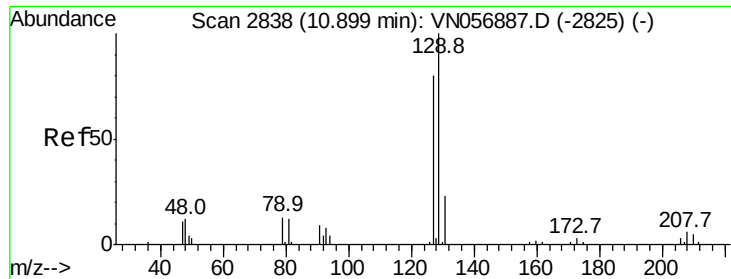
Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Tgt Ion:	76	Resp:	108347
Ion Ratio	Lower	Upper	
76	100		
78	31.7	0.0	64.2





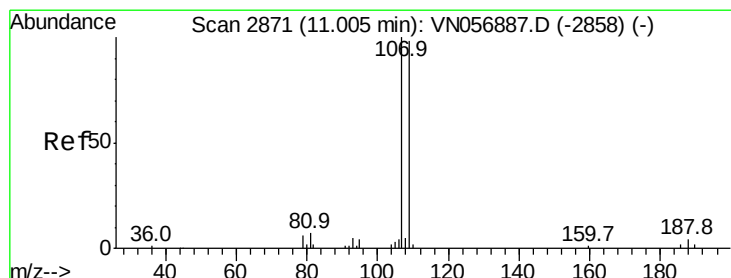
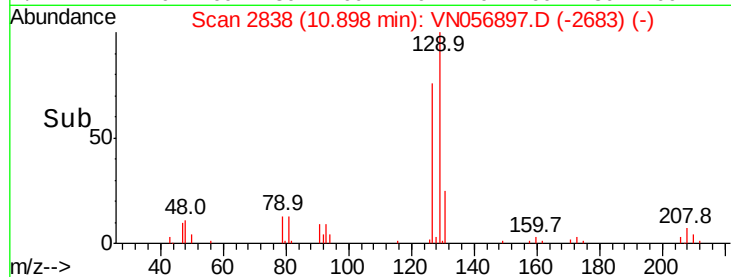
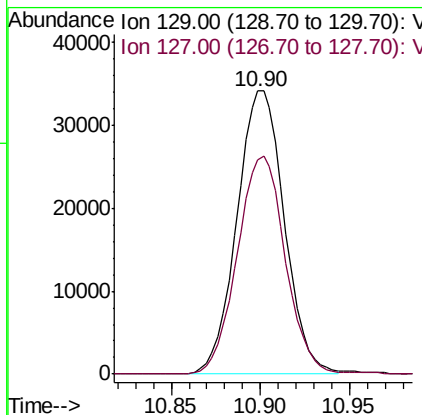
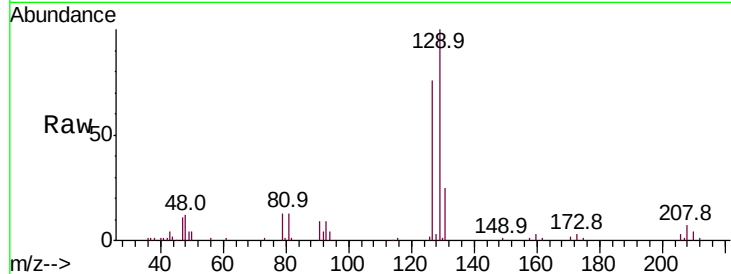
#53
Dibromochloromethane
Concen: 19.091 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion:129 Resp: 63258
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4

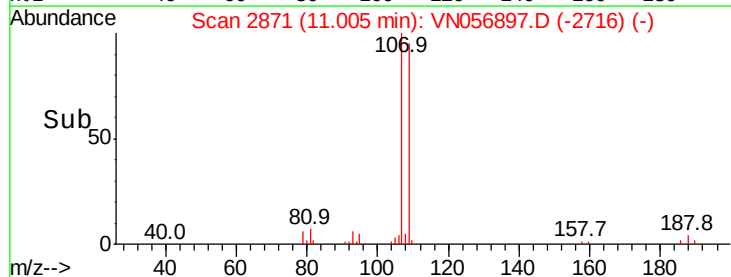
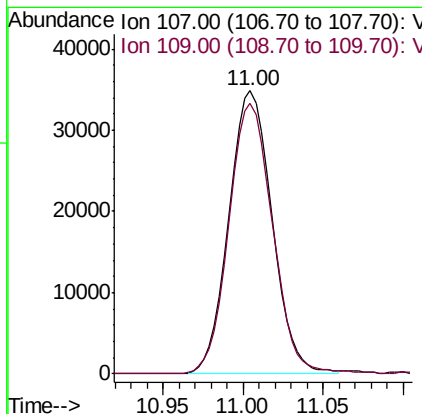
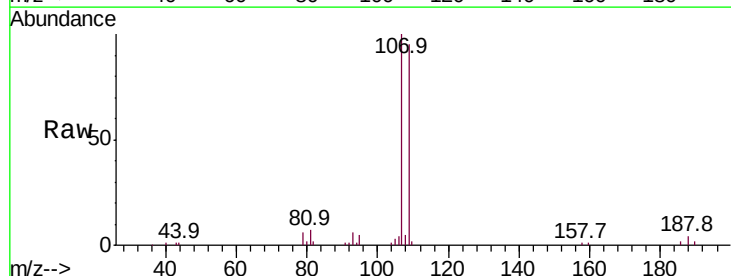
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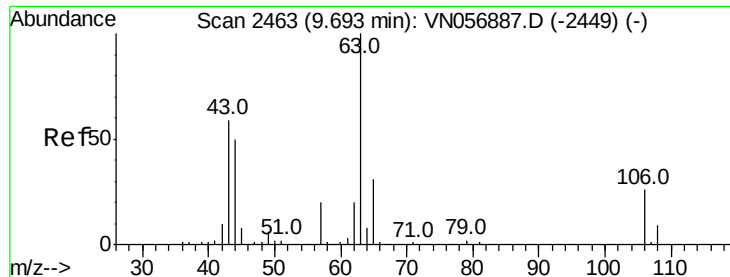
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#54
1,2-Dibromoethane
Concen: 19.792 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion:107 Resp: 64364
Ion Ratio Lower Upper
107 100
109 96.4 76.2 114.2





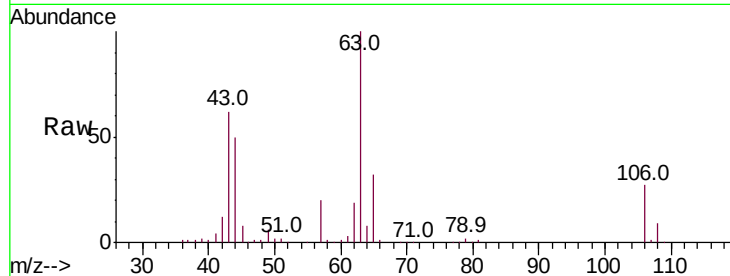
#55
2-Chloroethyl vinyl ether
Concen: 90.213 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.1	37.7
106	27.5	21.5	32.3

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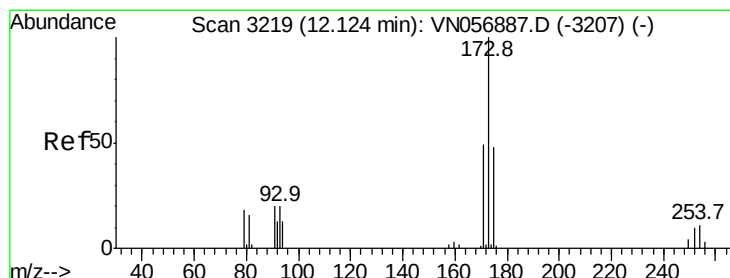
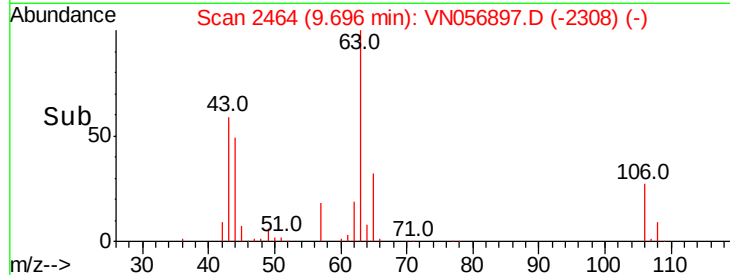
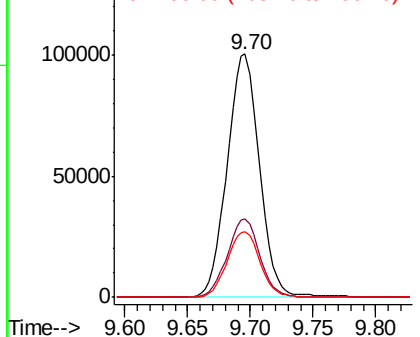


Abundance

Ion 63.00 (62.70 to 63.70): VN056887.D (-2449) (-)

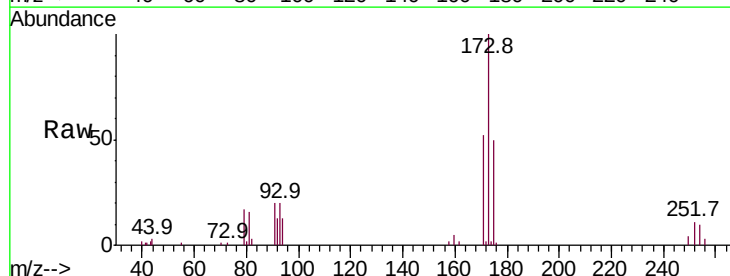
Ion 65.00 (64.70 to 65.70): VN056887.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN056887.D (-2449) (-)



#56
Bromoform
Concen: 18.601 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.8	58.2
254	9.2	8.1	12.1

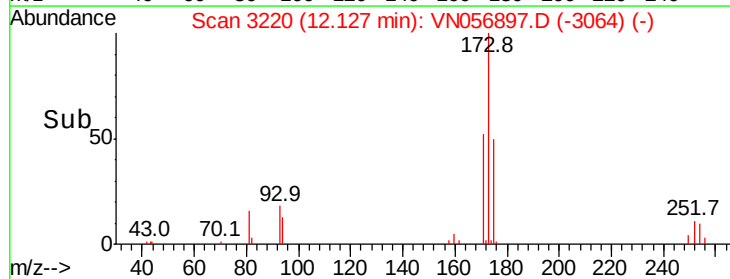
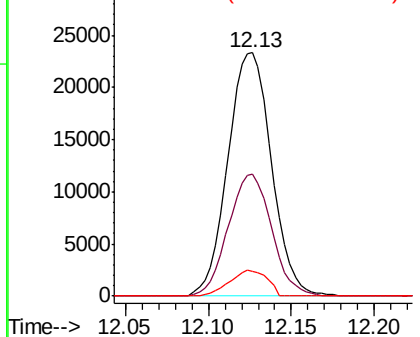


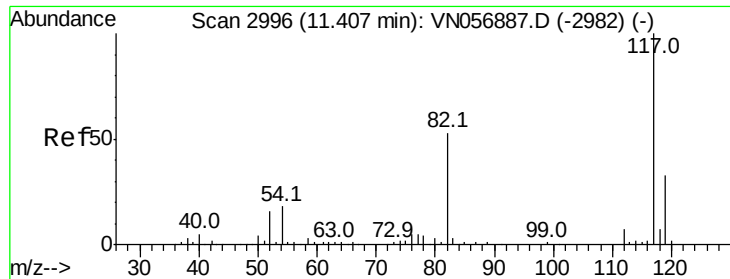
Abundance

Ion 173.00 (172.70 to 173.70): VN056887.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN056887.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN056887.D (-3207) (-)





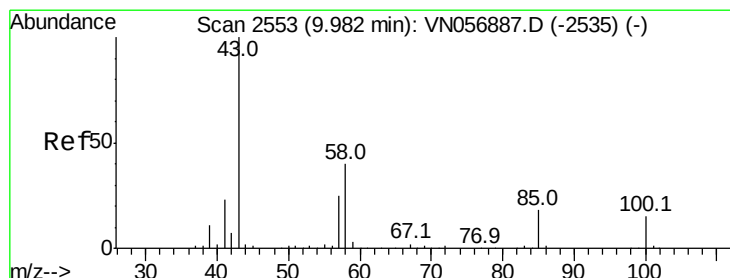
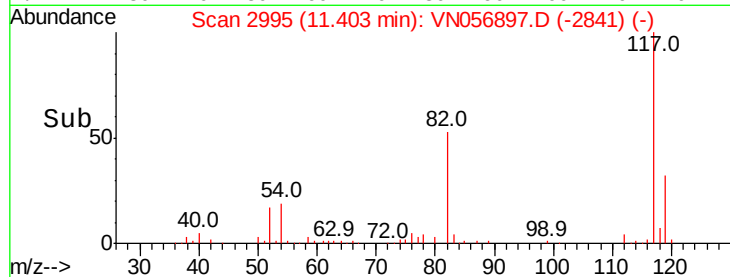
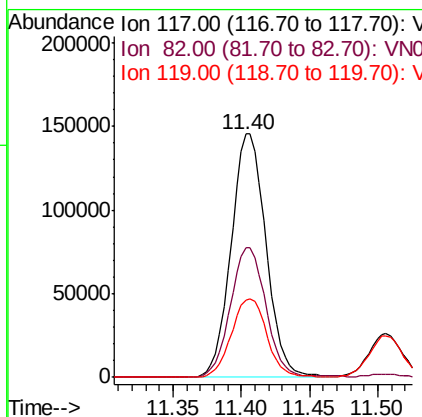
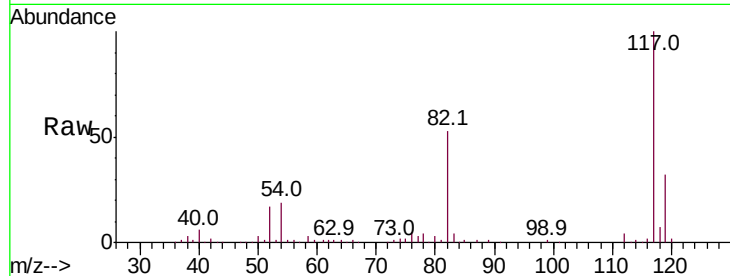
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.40 min Scan# 2995
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion:	117	Resp:	259232
Ion Ratio	Lower	Upper	
117	100		
82	54.0	43.0	64.4
119	32.8	26.2	39.2

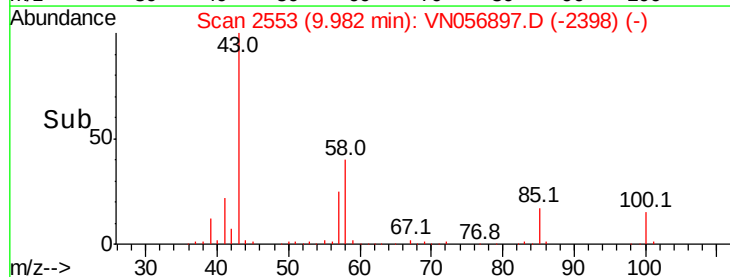
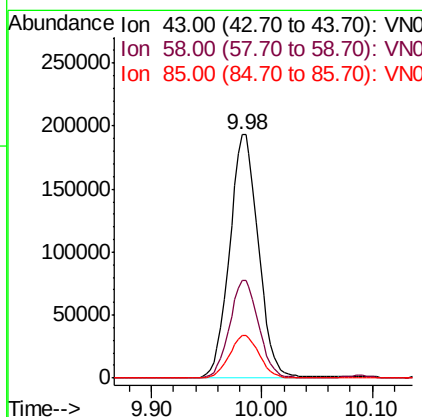
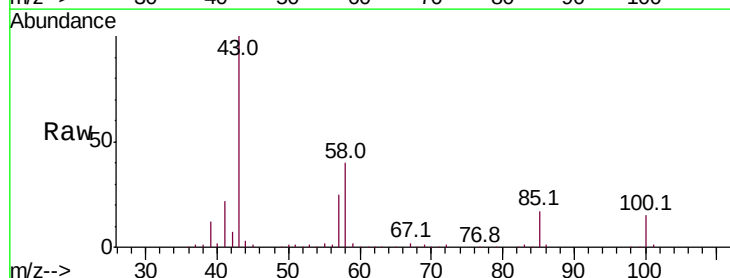
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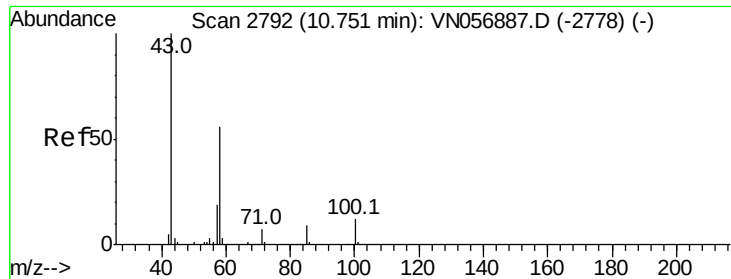
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#58
 4-Methyl-2-Pentanone
 Concen: 100.482 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion:	43	Resp:	349556
Ion Ratio	Lower	Upper	
43	100		
58	40.4	31.7	47.5
85	18.0	14.5	21.7





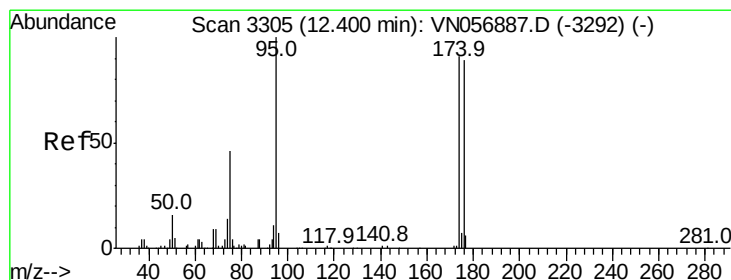
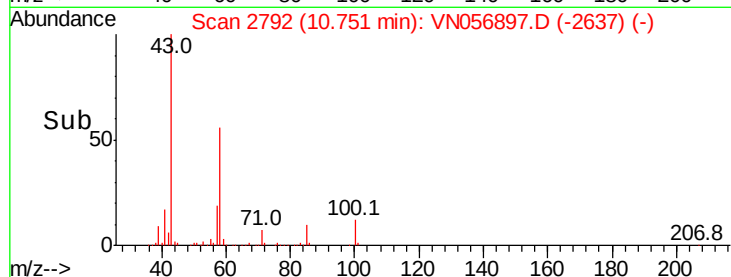
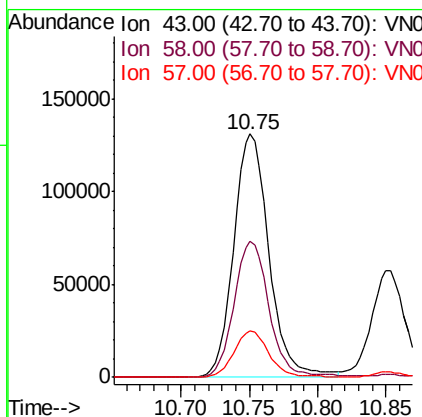
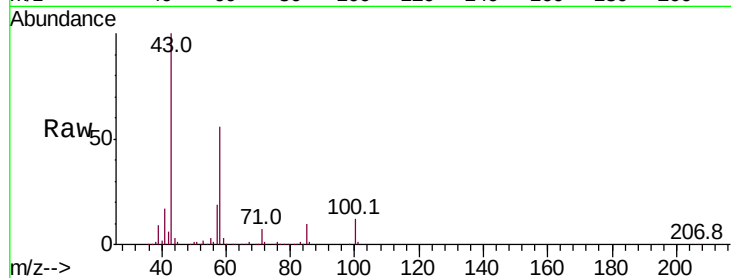
#59
2-Hexanone
Concen: 99.450 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	45.0	67.4
57	18.5	15.4	23.0

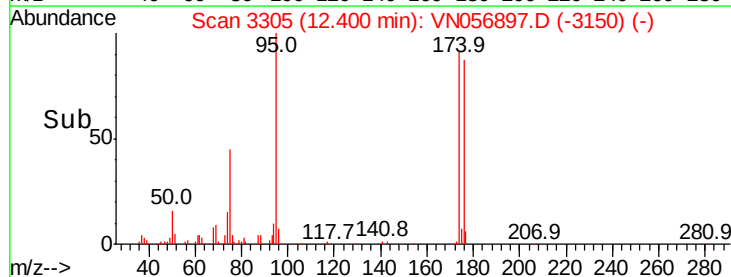
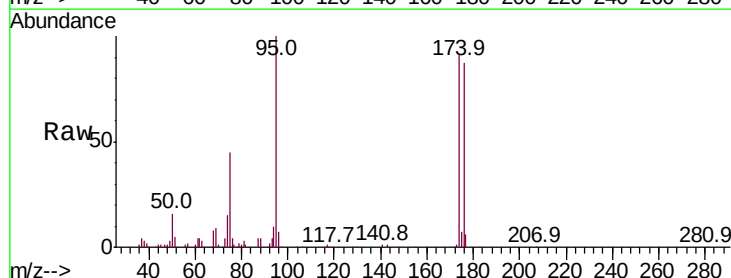
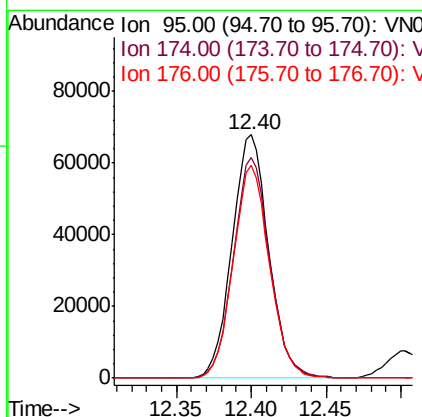
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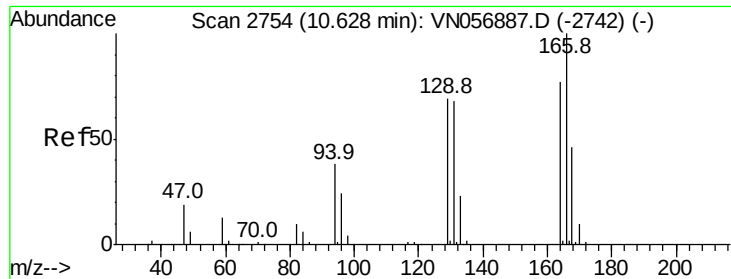
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#60
4-Bromofluorobenzene
Concen: 29.815 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	71.9	107.9
176	86.5	69.8	104.8





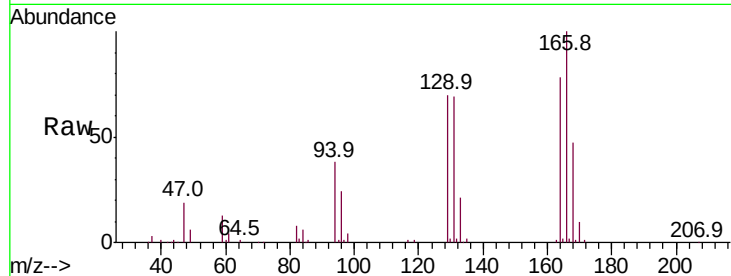
#61
Tetrachloroethene
Concen: 21.269 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

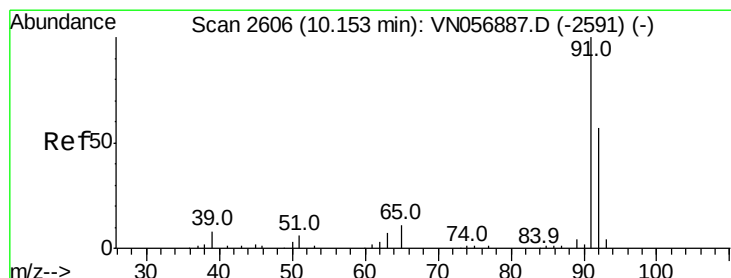
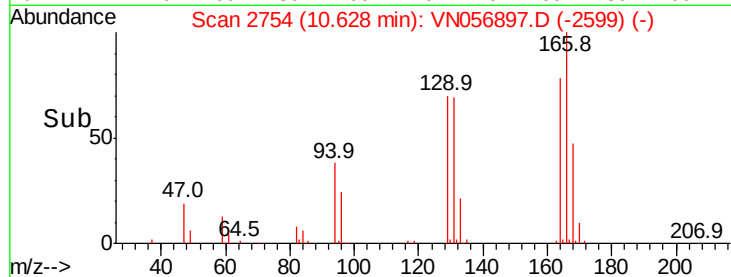
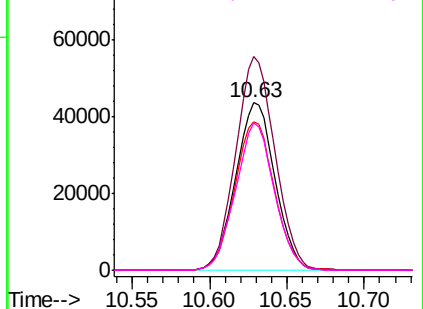
Tot Ion:164 Resp: 77274
Ion Ratio Lower Upper
164 100
166 127.8 103.9 155.9
129 89.0 72.4 108.6
131 88.3 70.3 105.5

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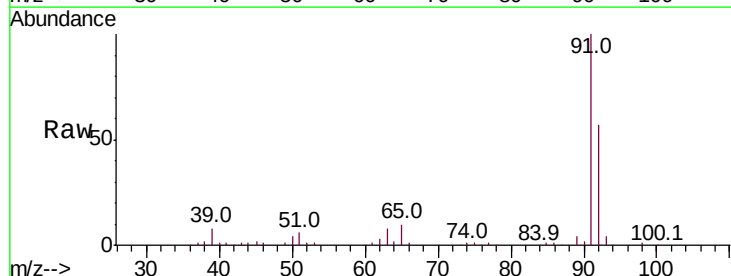


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

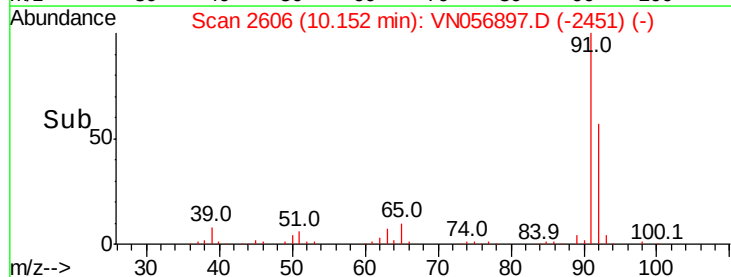
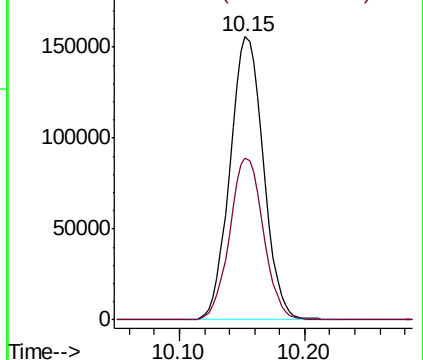


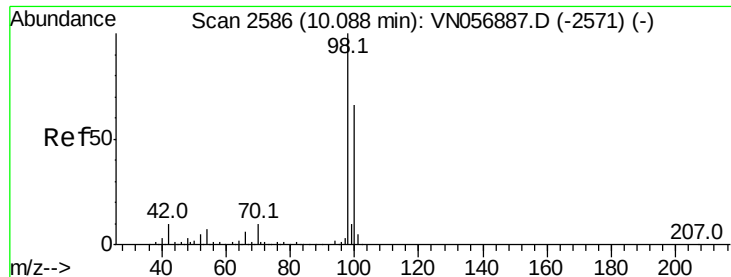
#62
Toluene
Concen: 20.497 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion: 91 Resp: 288983
Ion Ratio Lower Upper
91 100
92 57.4 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.791 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 98 Resp: 377048

Ion Ratio Lower Upper

98 100

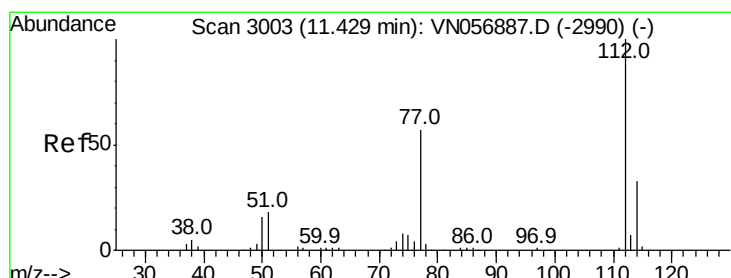
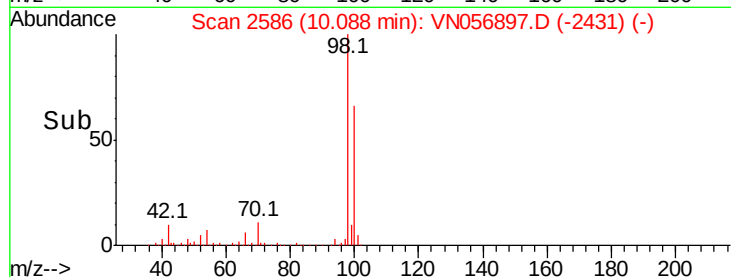
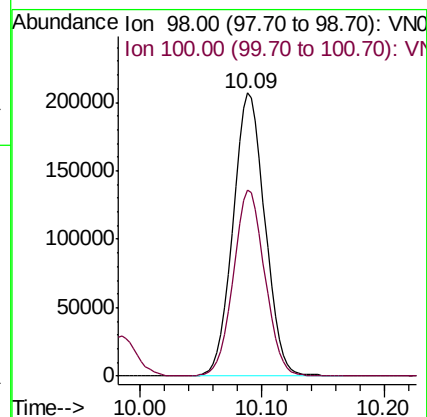
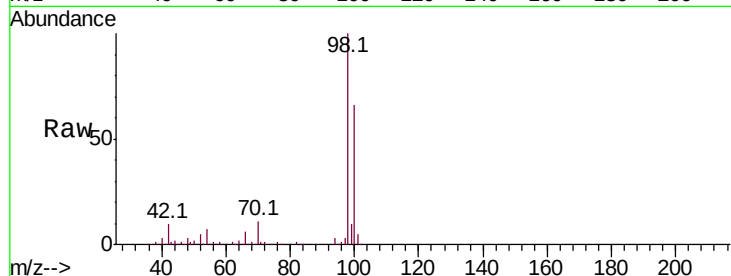
100 64.7 51.4 77.2

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#64

Chlorobenzene

Concen: 20.343 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056897.D

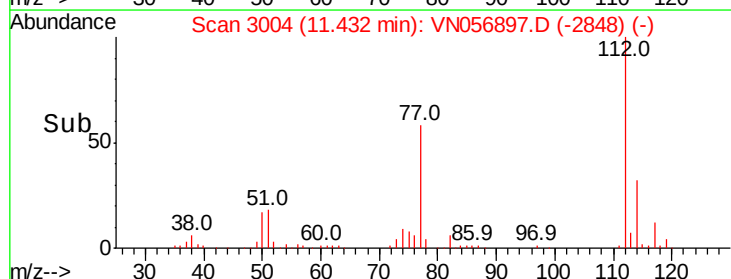
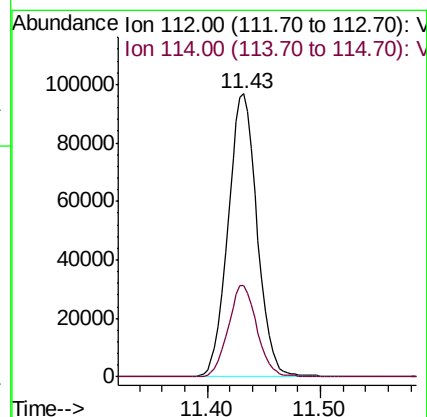
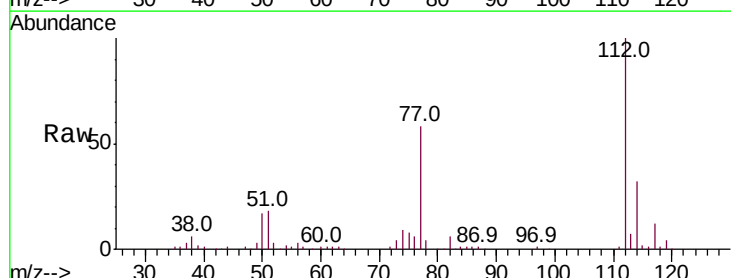
Acq: 24 Jul 2019 00:42

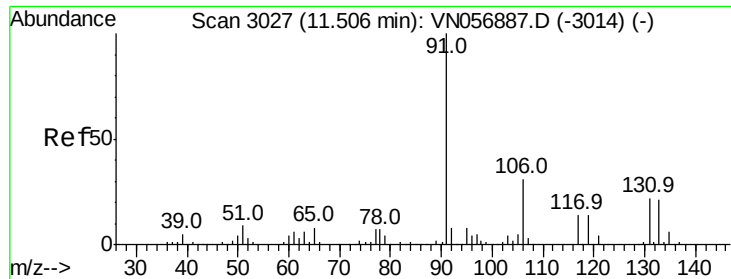
Tgt Ion: 112 Resp: 172765

Ion Ratio Lower Upper

112 100

114 32.1 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 20.253 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

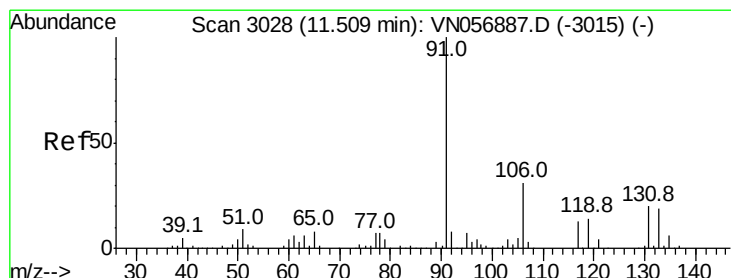
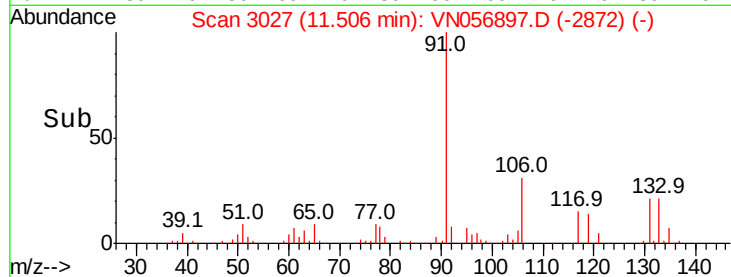
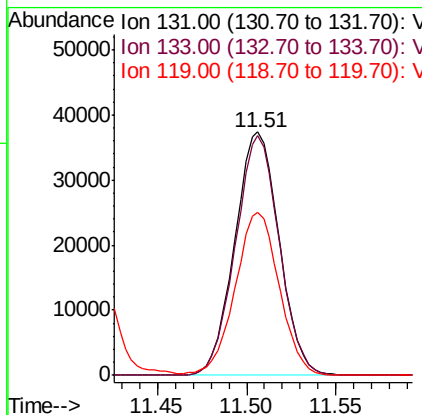
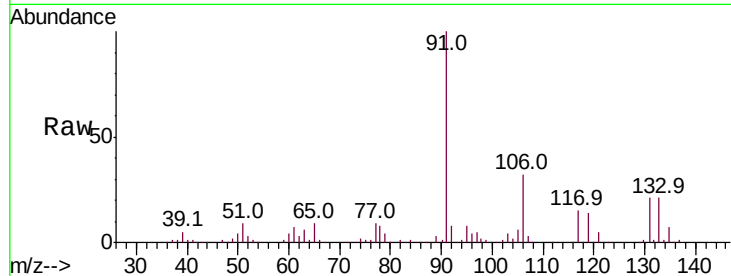
ClientSampleId :

VN0724WBS01

Tot Ion:	131	Resp:	65148
Ion	Ratio	Lower	Upper
131	100		
133	96.8	0.0	189.6
119	66.3	0.0	133.6

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#66

Ethyl Benzene

Concen: 19.959 ug/l

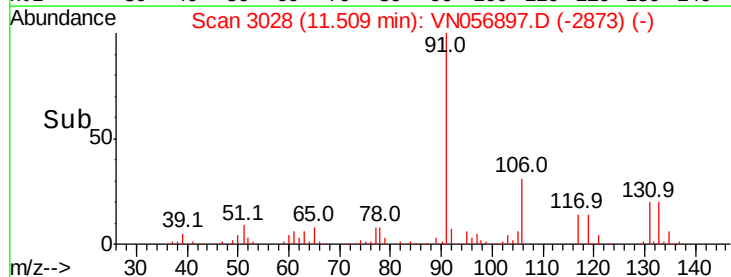
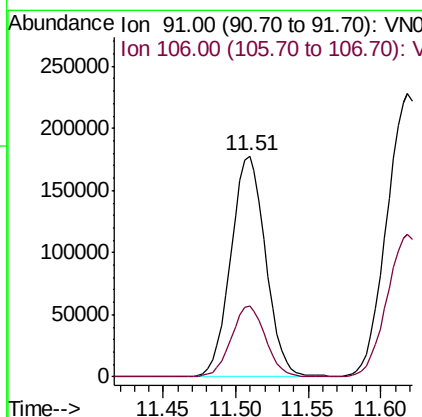
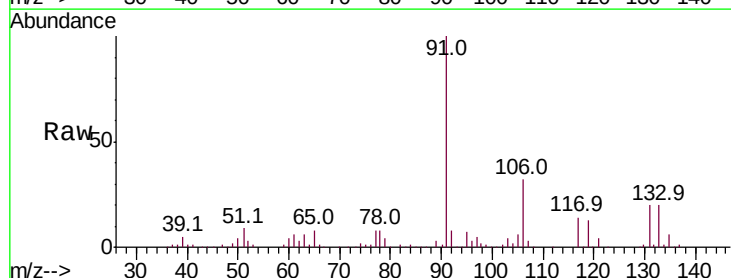
RT: 11.51 min Scan# 3028

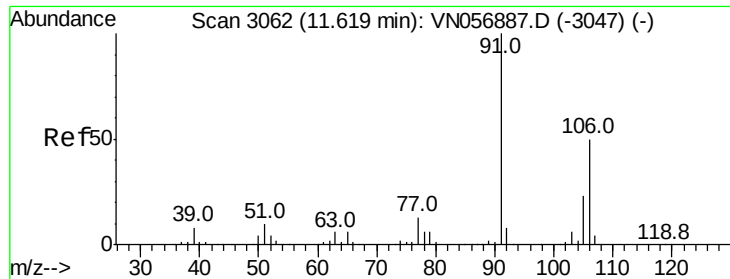
Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Tgt Ion:	91	Resp:	296525
Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.9	37.3





#67

m/p-Xylenes

Concen: 40.177 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion:106 Resp: 222586

Ion Ratio Lower Upper

106 100

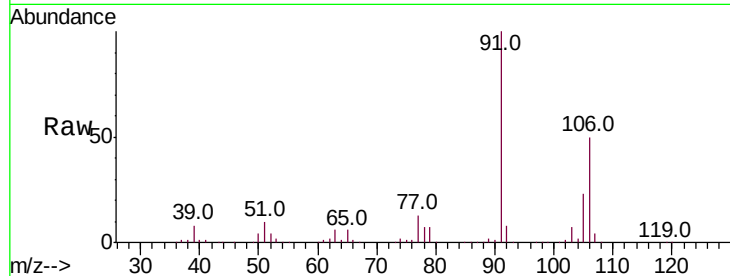
91 201.9 160.6 240.8

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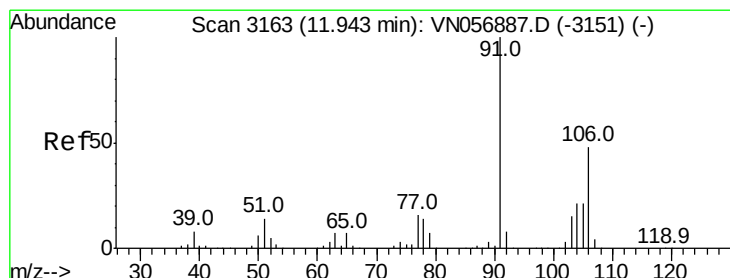
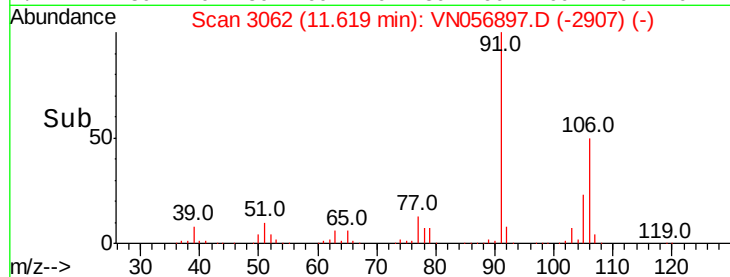
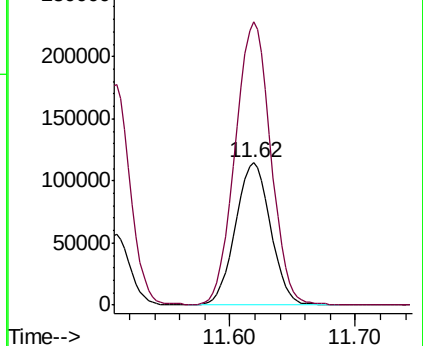
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.719 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN056897.D

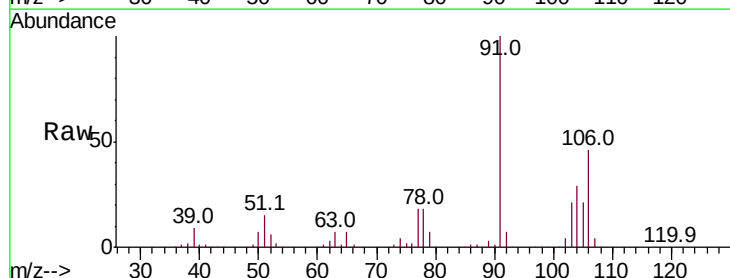
Acq: 24 Jul 2019 00:42

Tgt Ion:106 Resp: 107411

Ion Ratio Lower Upper

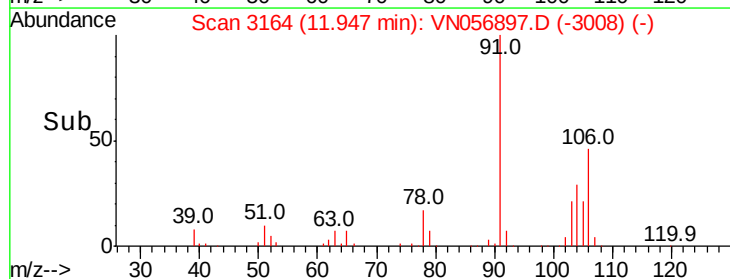
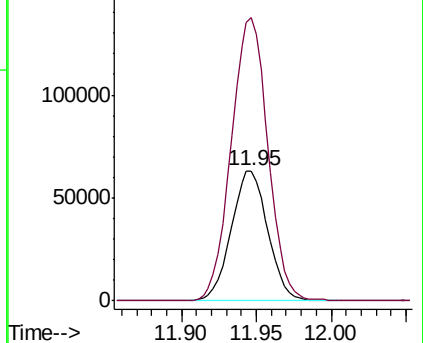
106 100

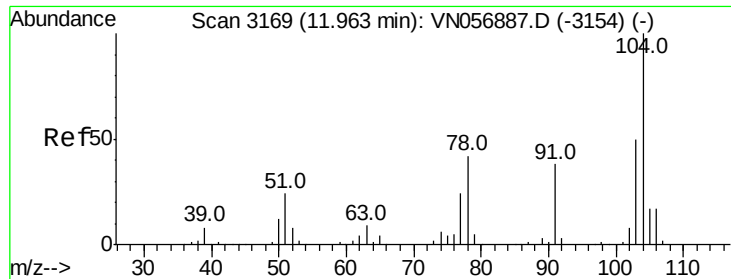
91 218.3 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





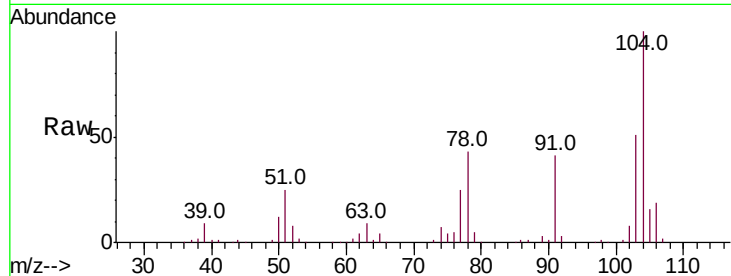
#69
Stvrene
Concen: 19.878 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.5	57.7
103	55.8	44.7	67.1

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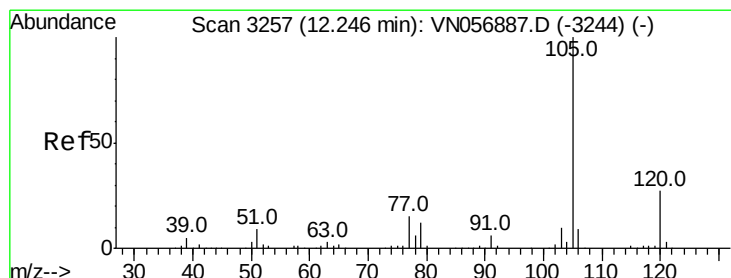
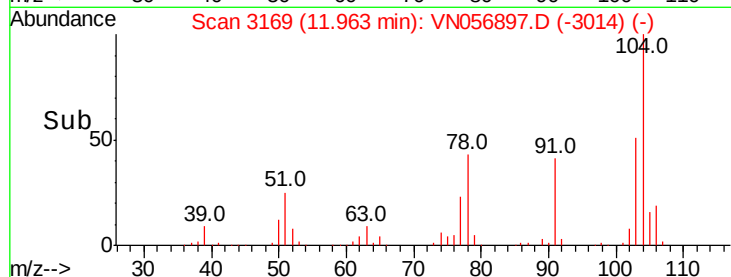
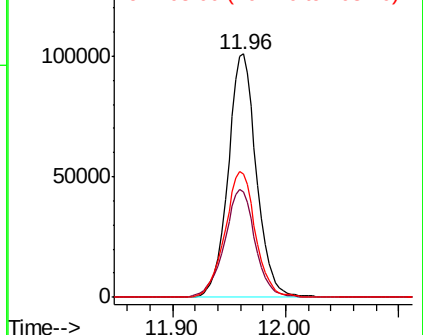


Abundance

Ion 104.00 (103.70 to 104.70): V

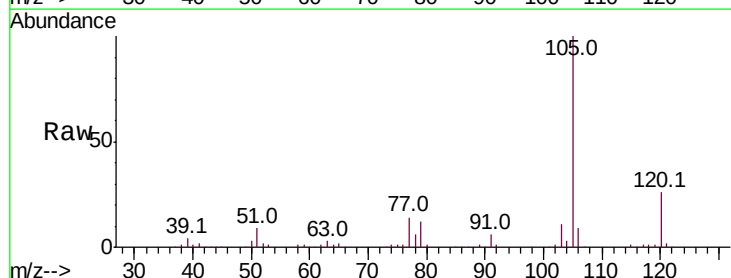
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 20.568 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

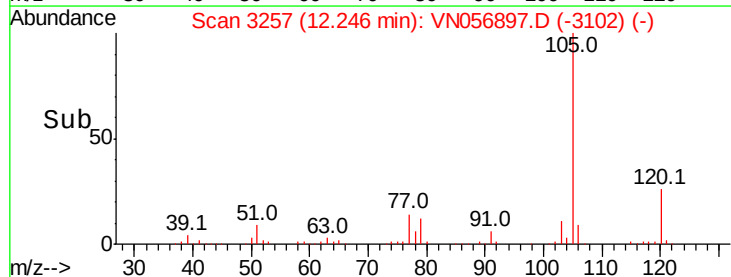
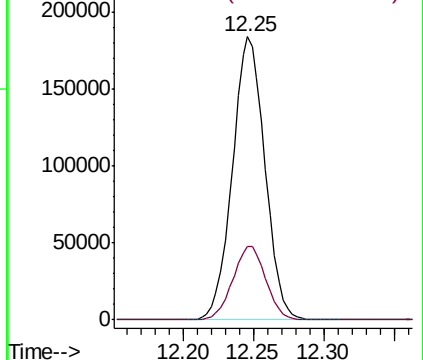
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.7	34.7

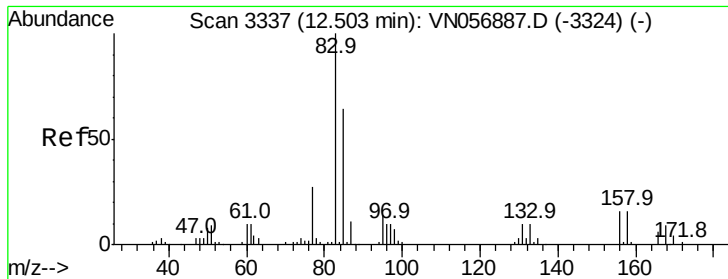


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 20.681 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 83 Resp: 83078

Ion Ratio Lower Upper

83 100

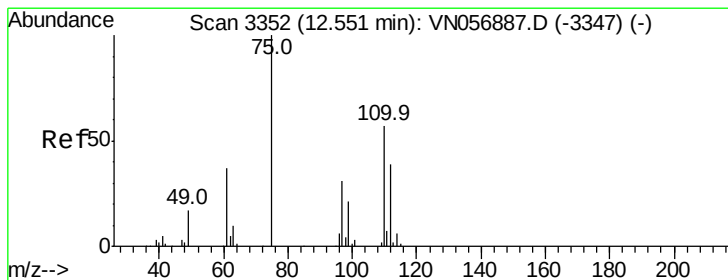
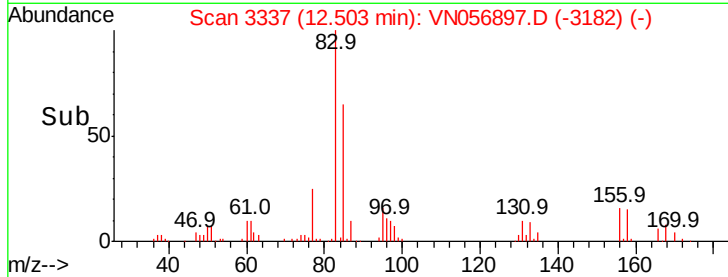
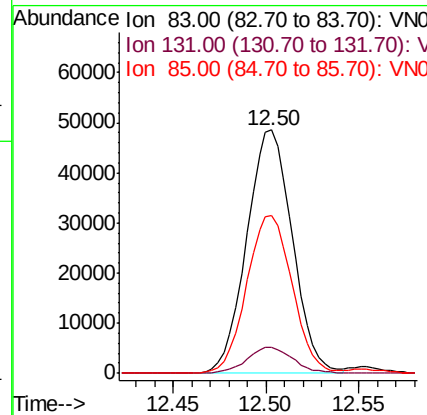
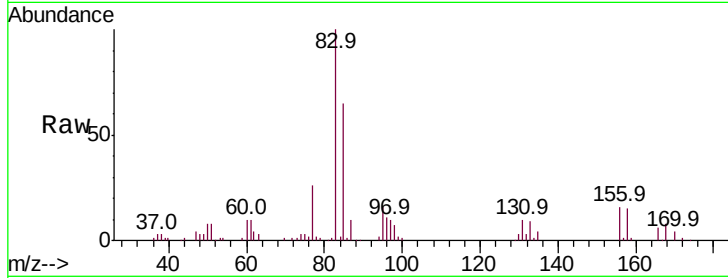
131 10.7 5.1 15.2

85 64.6 31.8 95.4

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#72

1,2,3-Trichloropropane

Concen: 19.922 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056897.D

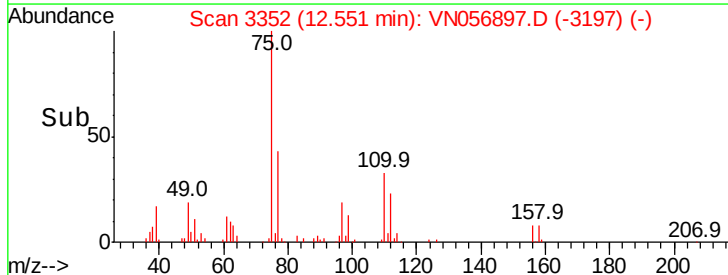
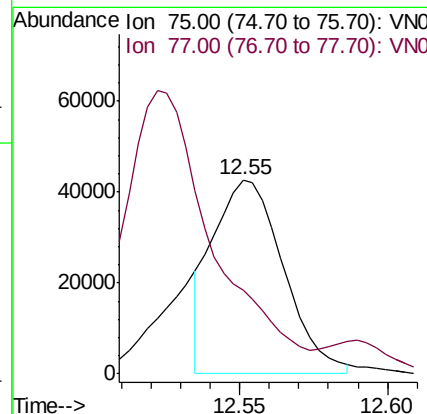
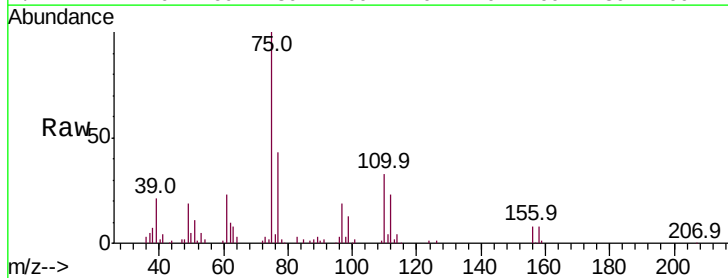
Acq: 24 Jul 2019 00:42

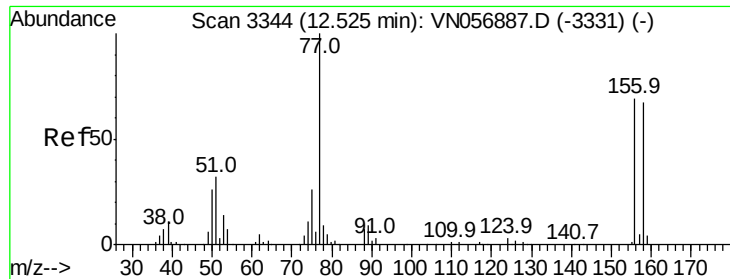
Tgt Ion: 75 Resp: 70413

Ion Ratio Lower Upper

75 100

77 187.4 0.0 378.6





#73

Bromobenzene

Concen: 19.824 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

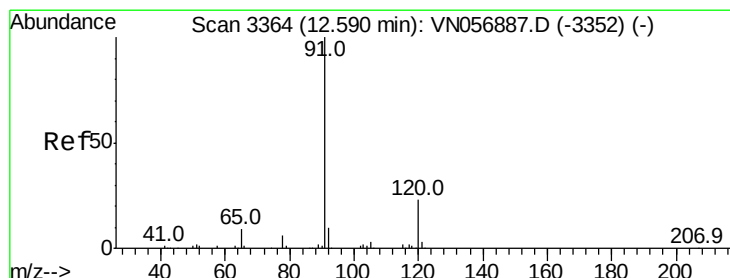
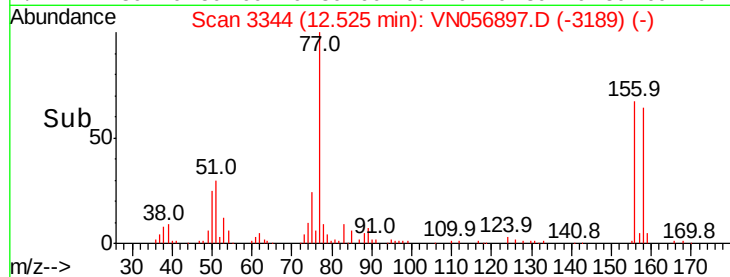
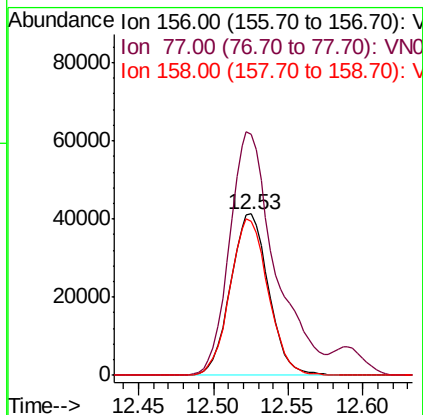
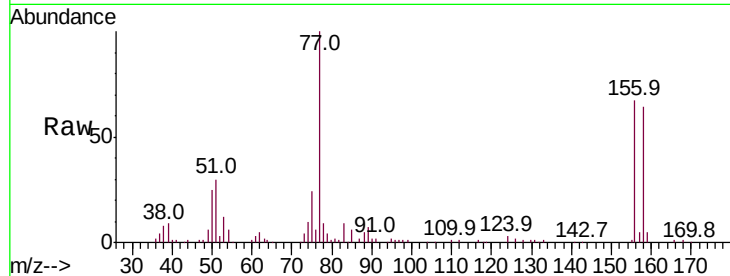
ClientSampleId :

VN0724WBS01

Tot Ion:	156	Resp:	73368
Ion Ratio	Lower	Upper	
156	100		
77	179.8	0.0	364.6
158	97.0	0.0	196.2

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#74

n-propylbenzene

Concen: 19.788 ug/l

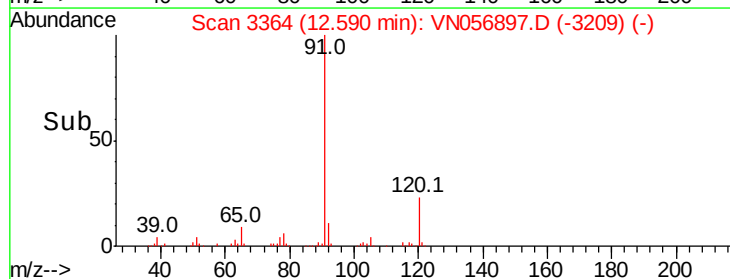
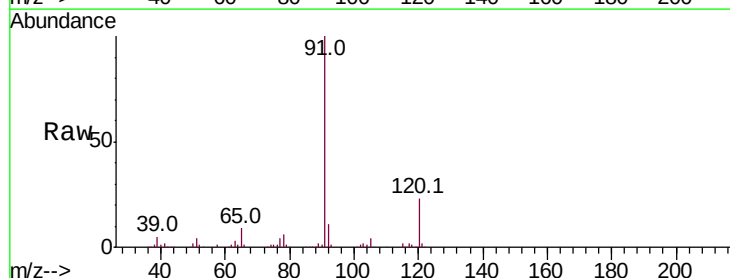
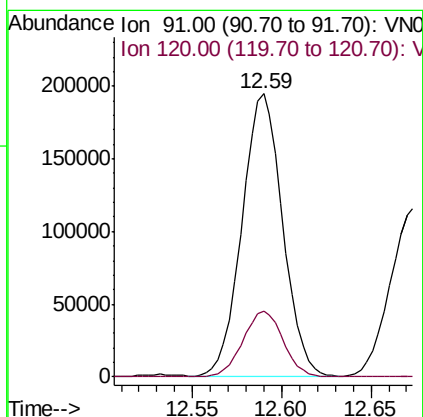
RT: 12.59 min Scan# 3364

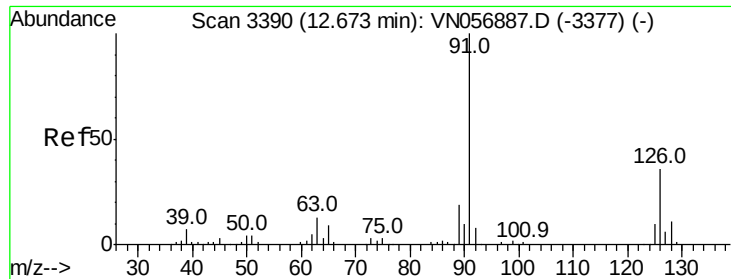
Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Tgt Ion:	91	Resp:	310317
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	46.4





#75

2-Chlorotoluene

Concen: 20.459 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 91 Resp: 194520

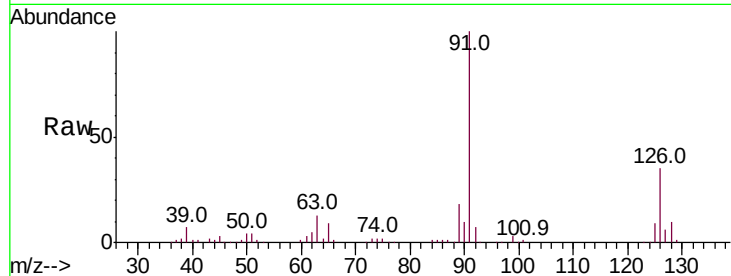
Ion Ratio Lower Upper

91 100

126 35.4 0.0 70.8

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Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056887.D (-3377) (-)

200000

150000

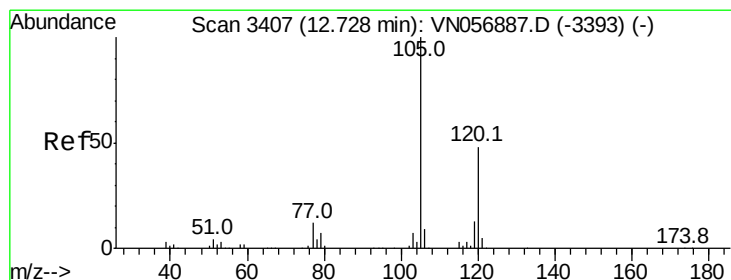
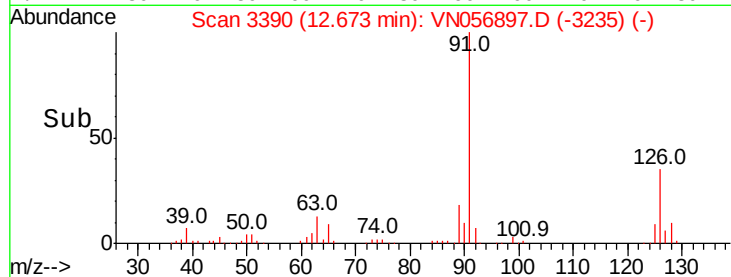
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.402 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056897.D

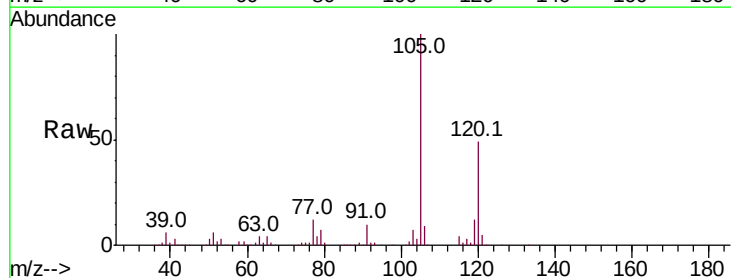
Acq: 24 Jul 2019 00:42

Tgt Ion: 105 Resp: 246331

Ion Ratio Lower Upper

105 100

120 49.1 0.0 97.2



Abundance Ion 105.00 (104.70 to 105.70): VN056887.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056887.D (-3393) (-)

150000

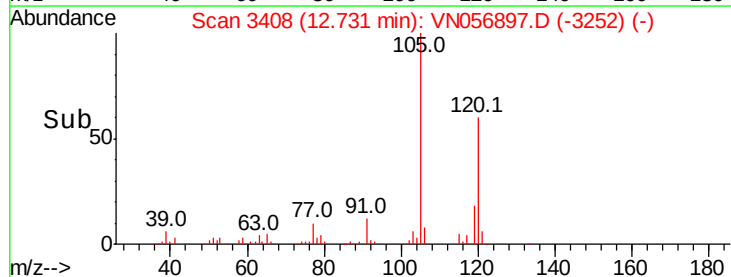
100000

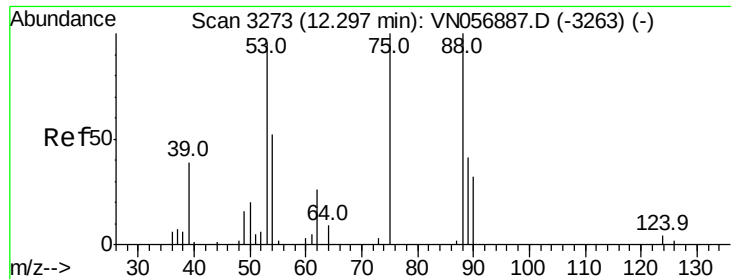
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 15.694 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

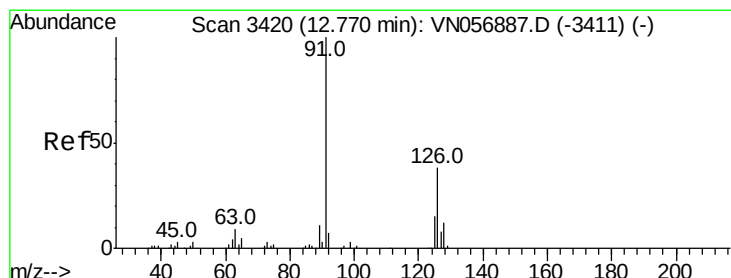
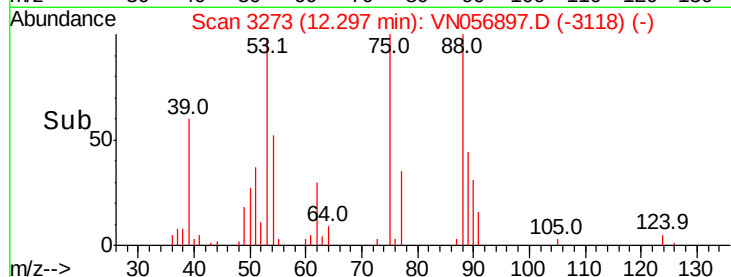
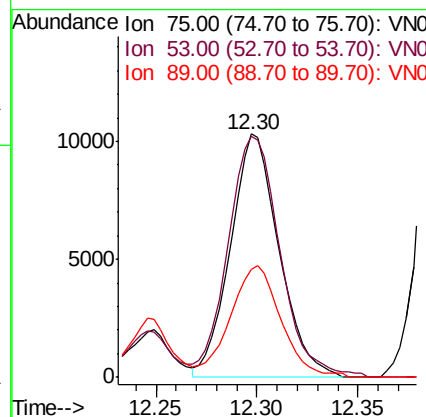
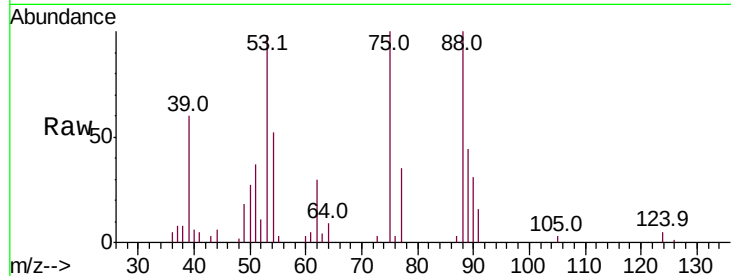
ClientSampled :

VN0724WBS01

Tot Ion:	75	Resp:	17416
Ion	Ratio	Lower	Upper
75	100		
53	96.5	48.0	144.0
89	42.5	21.4	64.3

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#78

4-Chlorotoluene

Concen: 19.865 ug/l

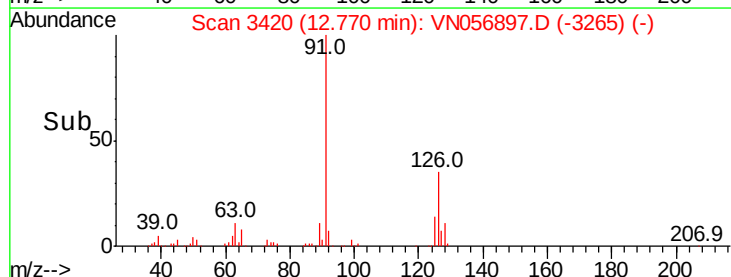
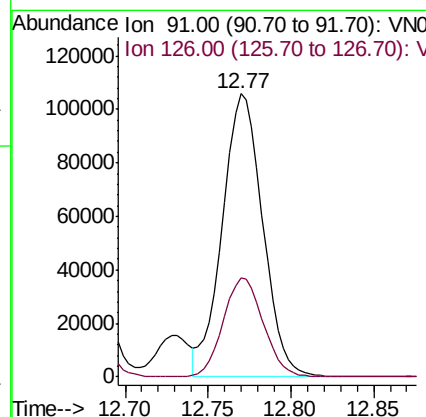
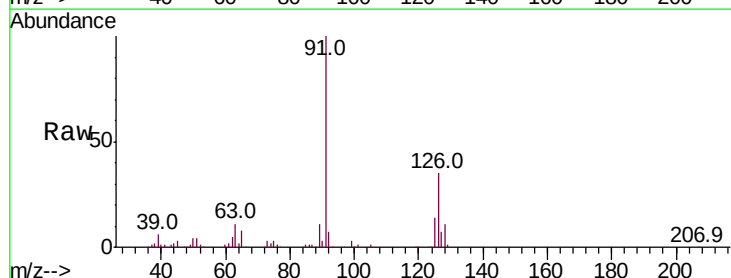
RT: 12.77 min Scan# 3420

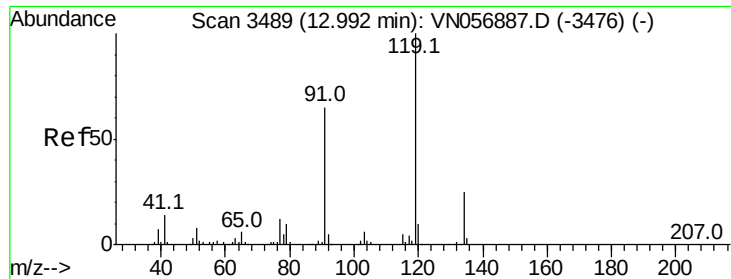
Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Tgt Ion:	91	Resp:	179532
Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	69.6





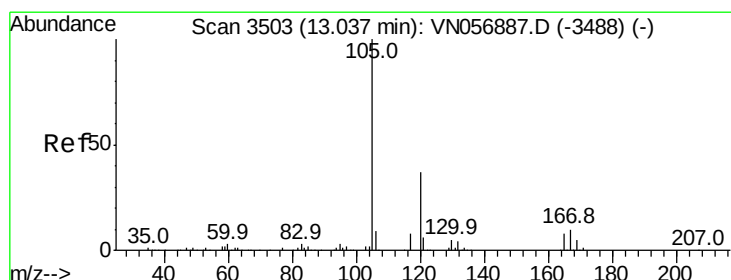
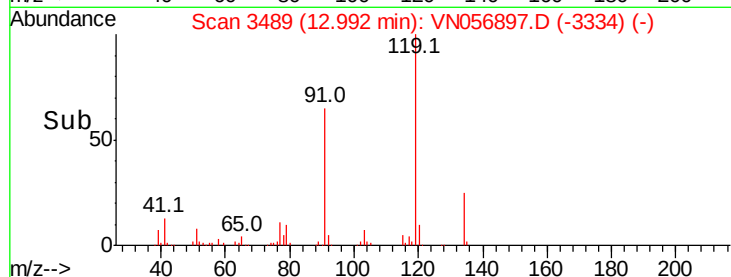
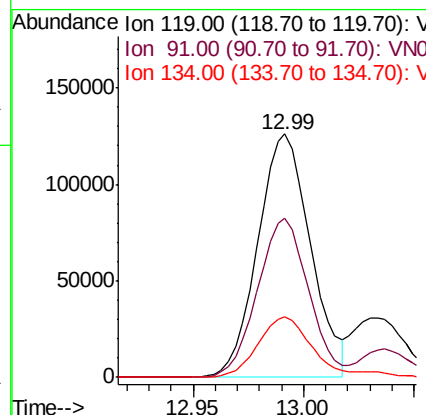
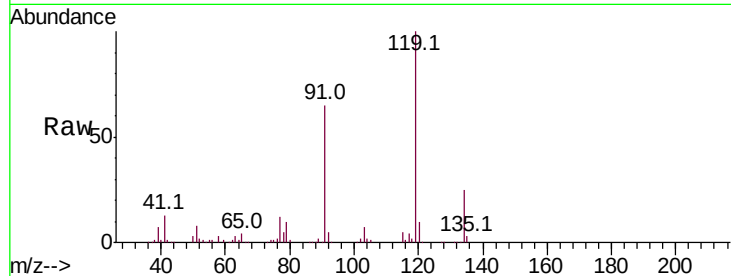
#79
tert-butylbenzene
Concen: 20.134 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	209783		
91	63.5		0.0	126.8
134	26.5		0.0	48.8

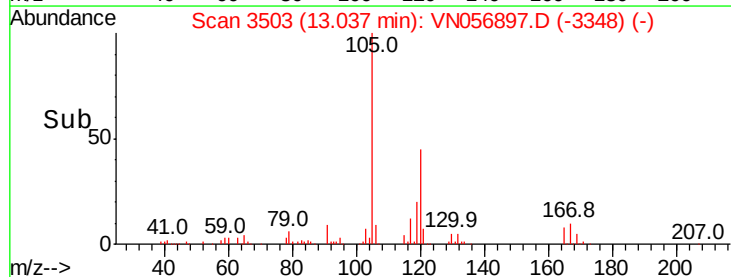
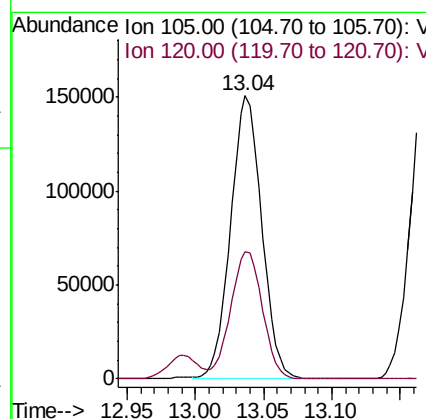
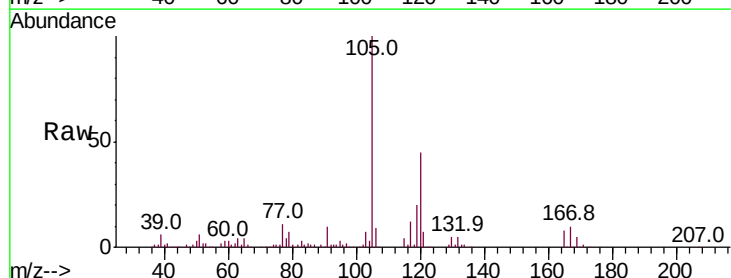
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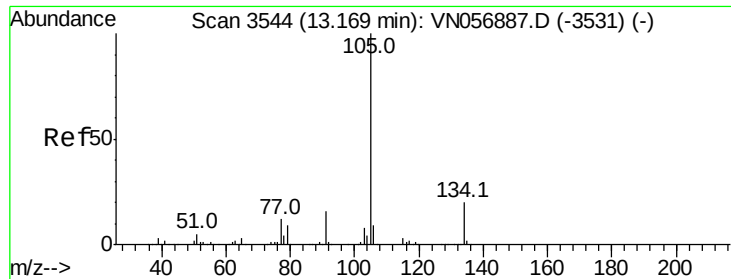
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.322 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	239203		
120	46.0		0.0	90.6





#81

sec-Butylbenzene

Concen: 19.728 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion:105 Resp: 268350

Ion Ratio Lower Upper

105 100

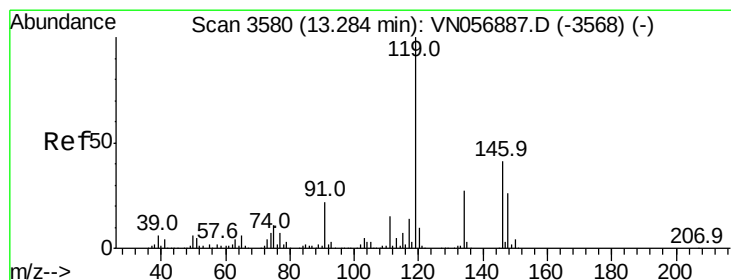
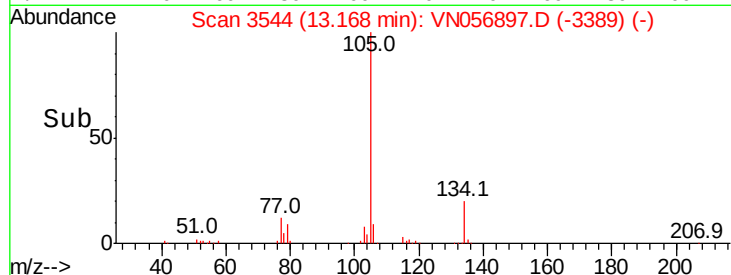
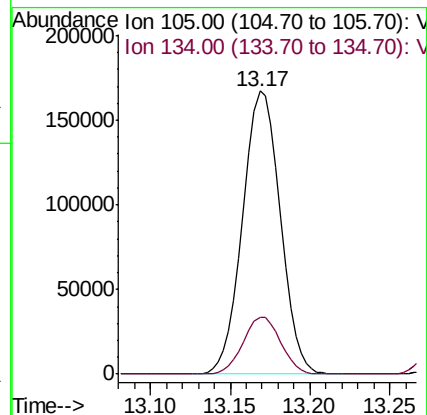
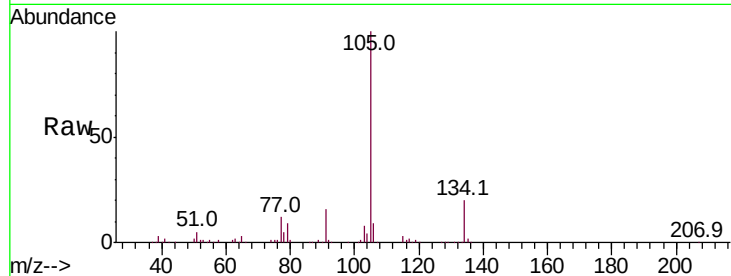
134 20.1 0.0 41.2

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 19.653 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

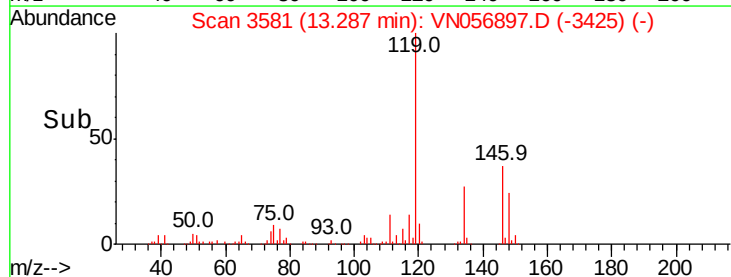
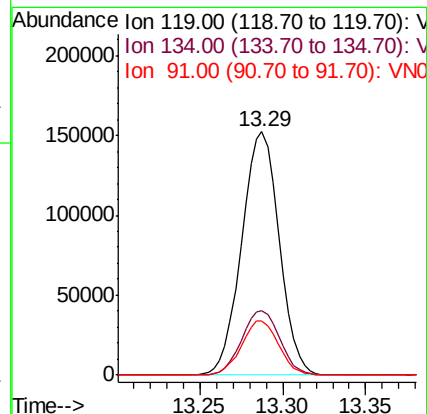
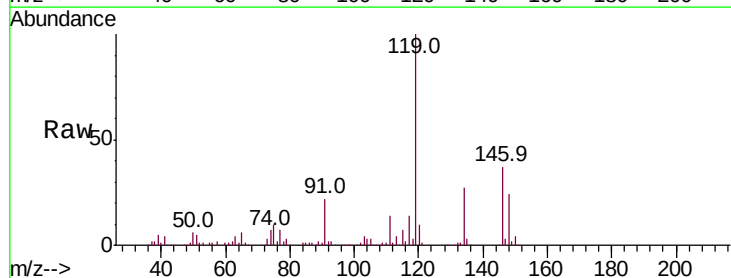
Tgt Ion:119 Resp: 240093

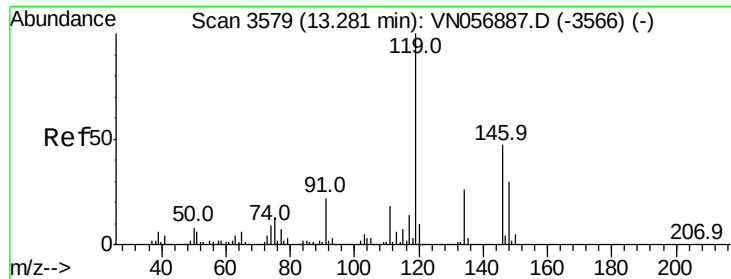
Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.2

91 22.1 0.0 44.0





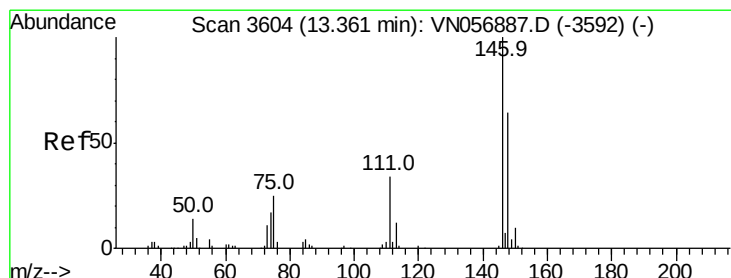
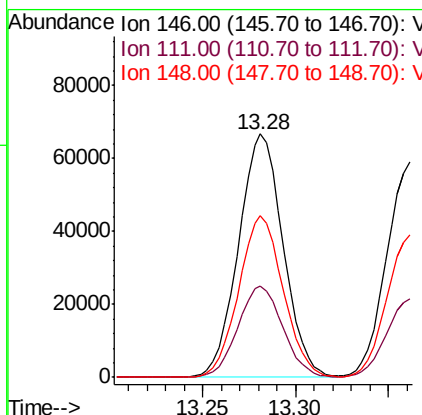
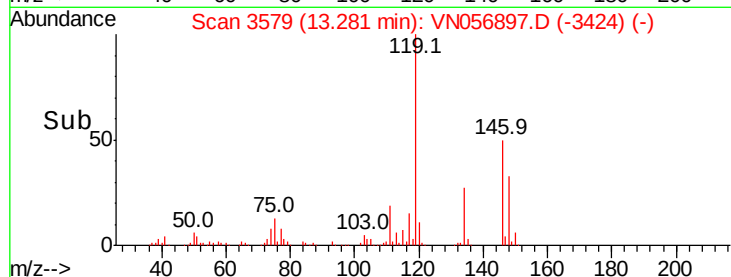
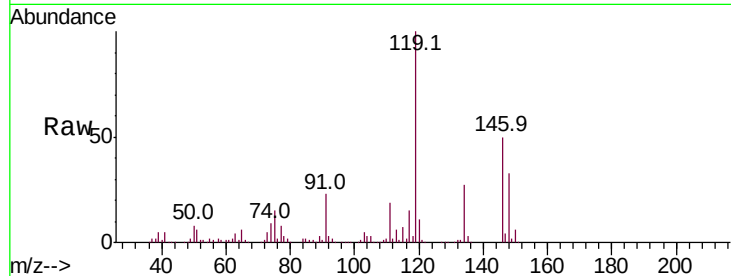
#83
1,3-Dichlorobenzene
Concen: 19.093 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	111255		
111	37.7	18.8	56.4	
148	66.1	31.7	95.1	

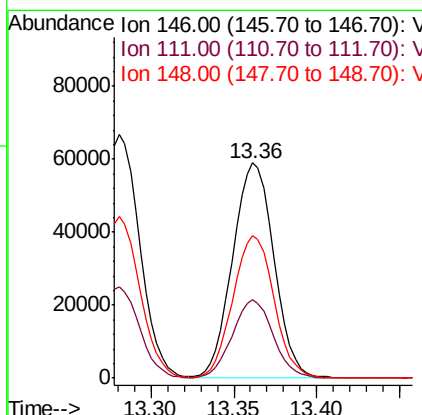
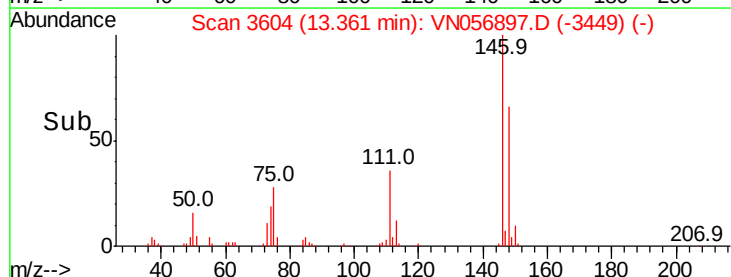
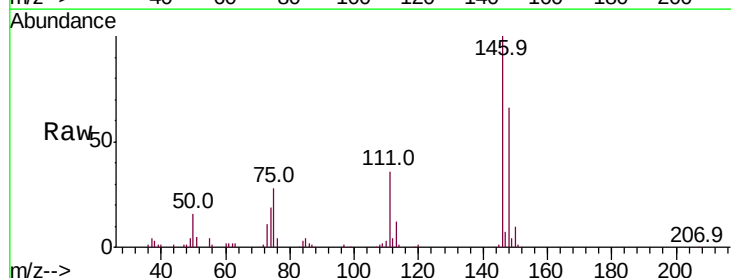
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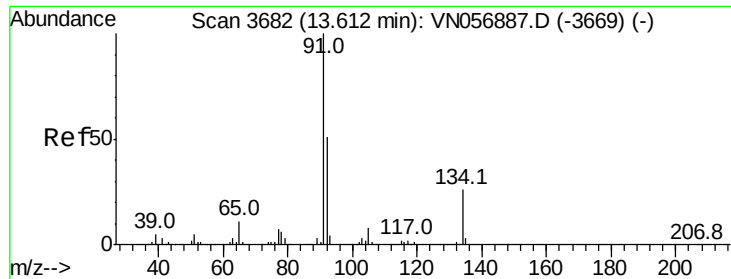
MMDadoda
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#84
1,4-Dichlorobenzene
Concen: 18.616 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	102564		
111	36.0	17.8	53.5	
148	65.7	32.6	97.7	





#85

n-Butylbenzene

Concen: 18.292 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

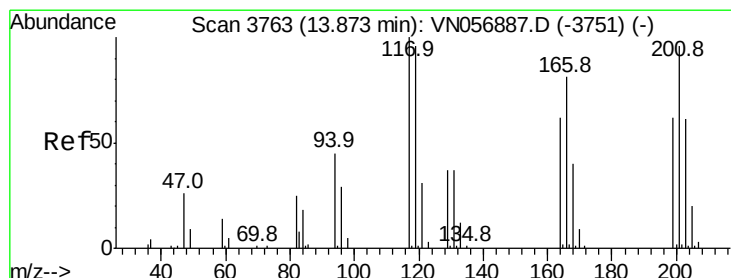
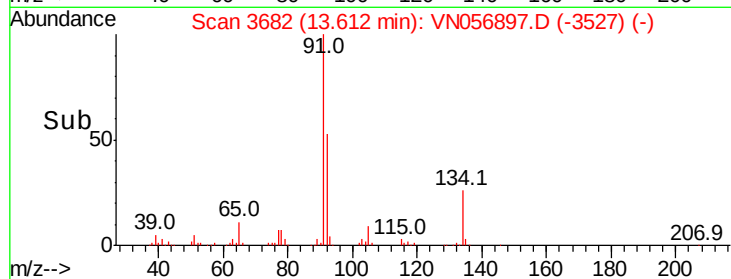
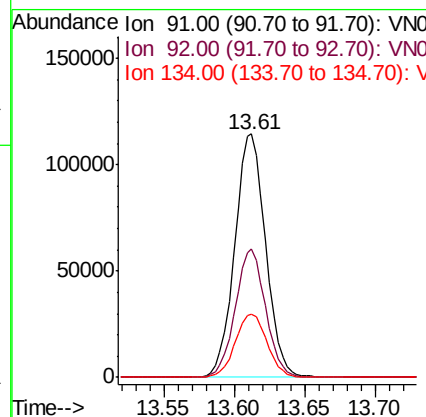
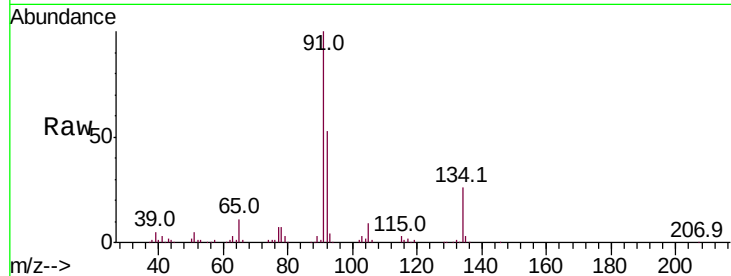
ClientSampleId :

VN0724WBS01

Tot Ion:	91	Resp:	175471
Ion Ratio	Lower	Upper	
91	100		
92	51.6	0.0	101.8
134	26.7	0.0	52.4

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#86

Hexachloroethane

Concen: 19.275 ug/l

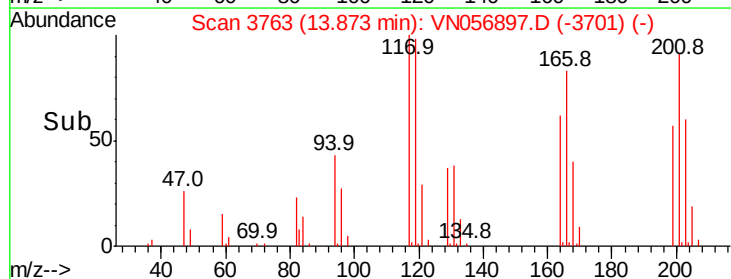
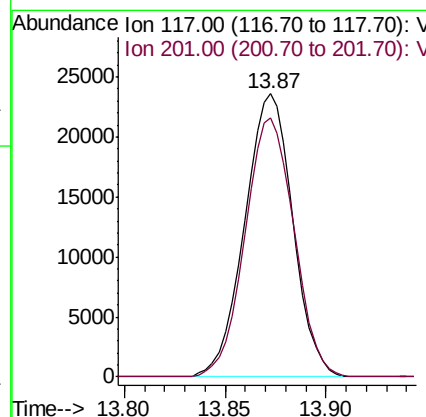
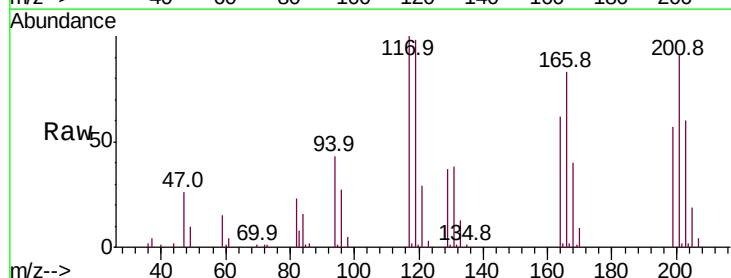
RT: 13.87 min Scan# 3763

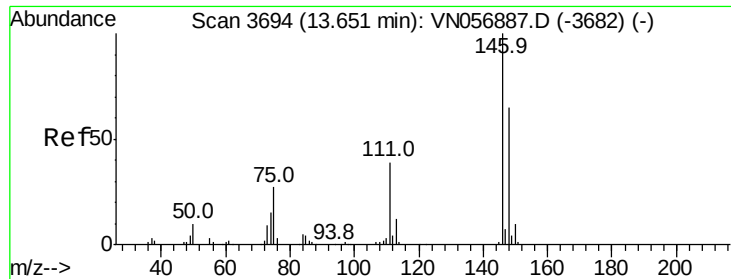
Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Tgt Ion:	117	Resp:	39408
Ion Ratio	Lower	Upper	
117	100		
201	93.2	47.8	143.3





#87

1,2-Dichlorobenzene

Concen: 20.252 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

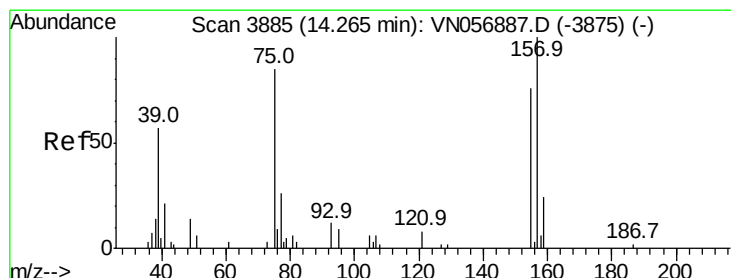
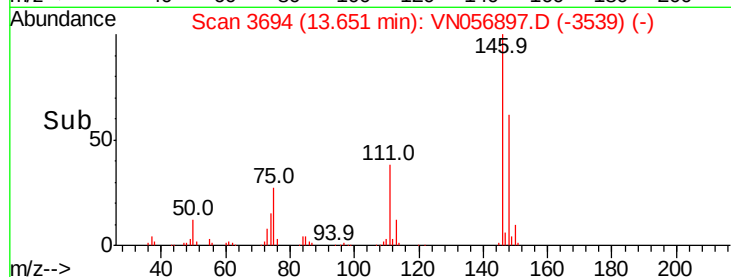
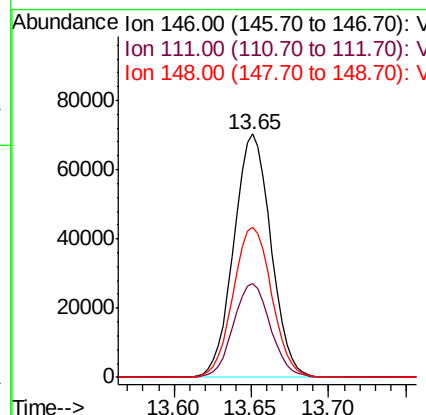
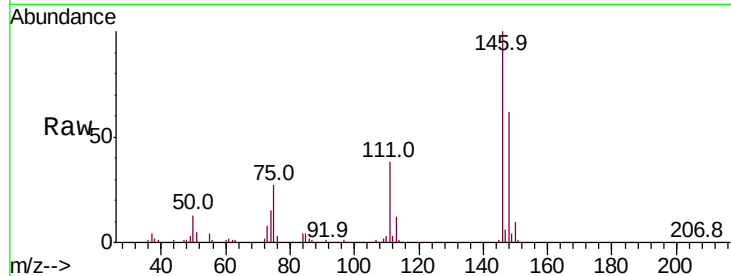
ClientSampleId :

VN0724WBS01

Tot Ion:	146	Resp:	117217
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.6	58.8
148	64.0	32.5	97.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.411 ug/l

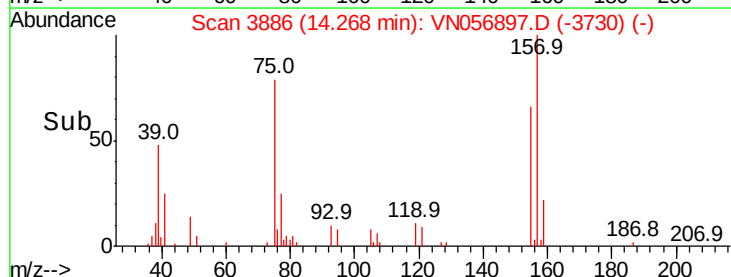
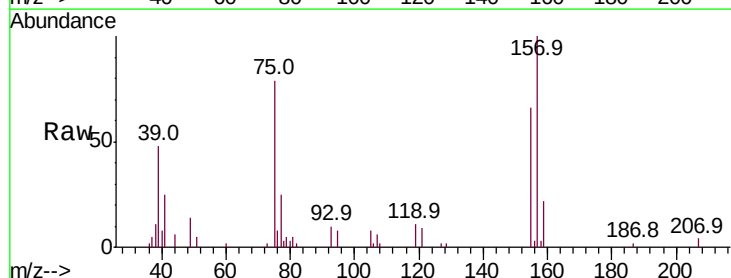
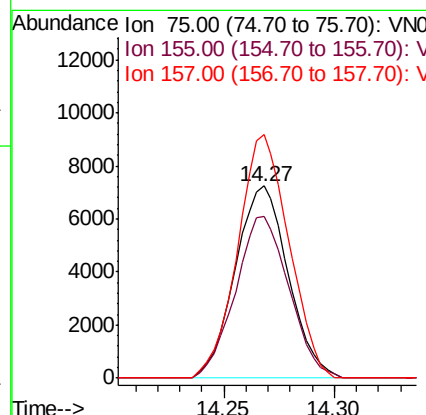
RT: 14.27 min Scan# 3886

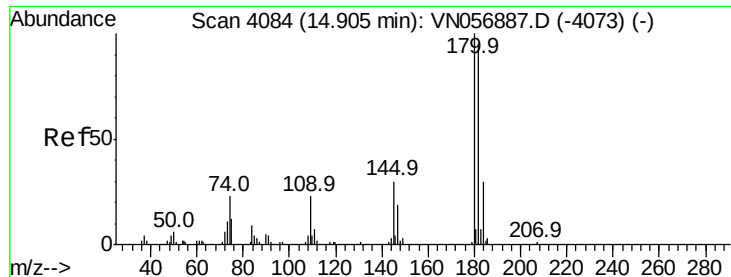
Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Tgt Ion:	75	Resp:	12063
Ion Ratio	Lower	Upper	
75	100		
155	84.9	73.4	110.2
157	122.3	95.0	142.6





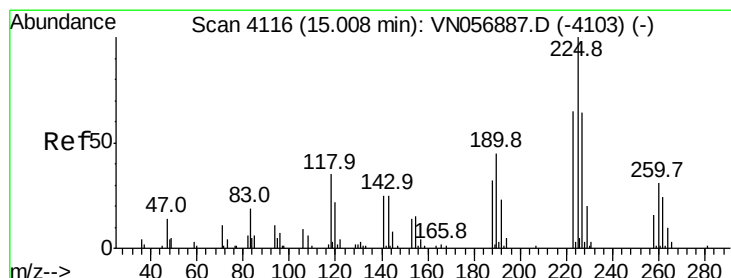
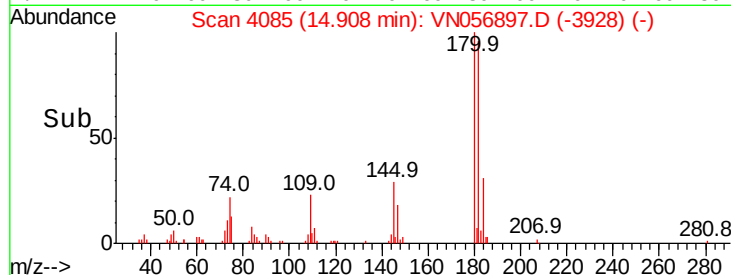
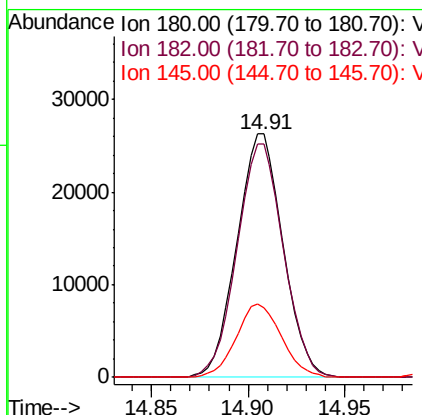
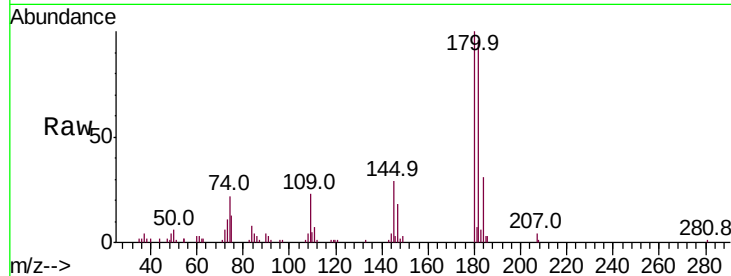
#89
 1,2,4-Trichlorobenzene
 Concen: 18.923 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.0	115.4
145	29.7	23.5	35.3

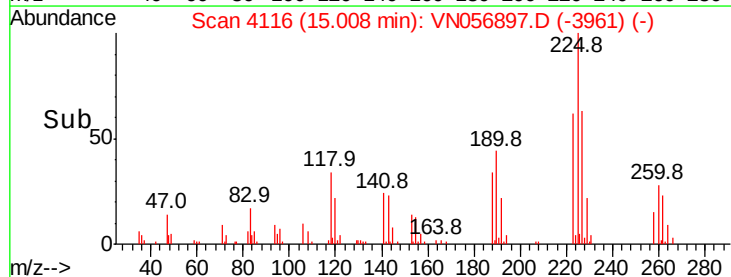
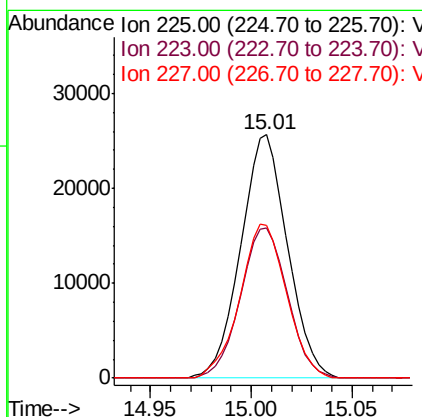
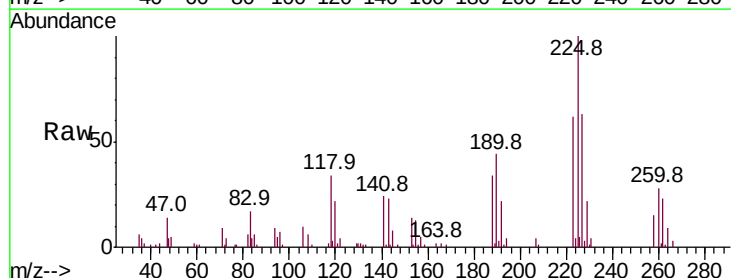
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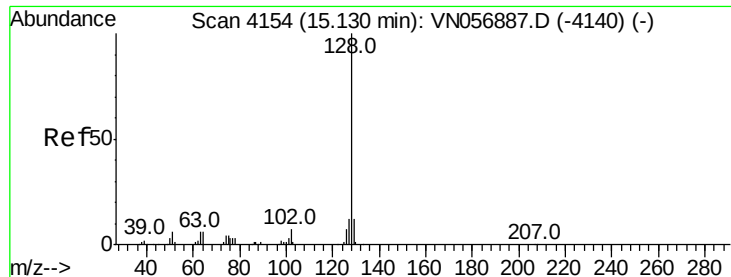
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#90
 Hexachlorobutadiene
 Concen: 19.578 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	130.0
227	63.0	0.0	127.2





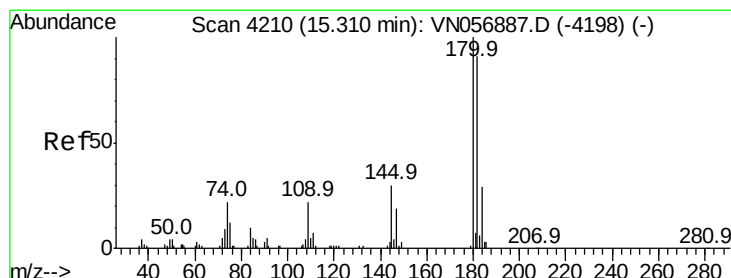
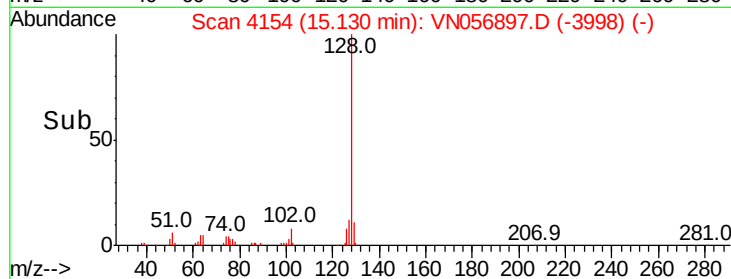
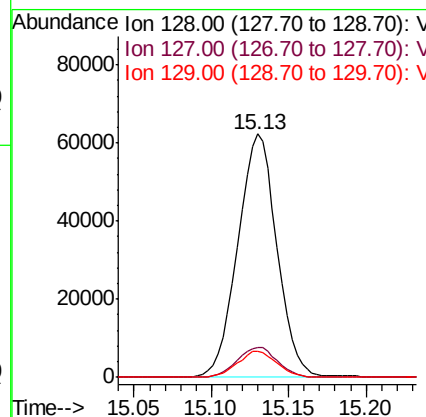
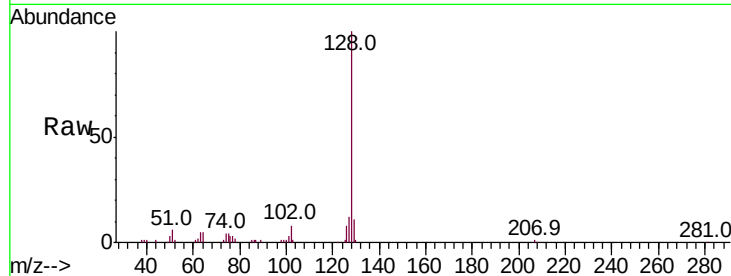
#91
Naphthalene
Concen: 18.364 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	10.7	8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 16.681 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	188.0
145	30.1	0.0	61.0

