LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040822\
Data File : VD072571.D
Acq On : 08 Apr 2022 20:44
Operator : VA/SY
Sample : N2331-04
Misc : 5.80G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SR-EX1B-BASE-02

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Title : SW846 8260

Signal : TIC: VD072571.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.914	1010	1019	1023	rBV	65992	161381	17.54%	2.142%
2	7.973	1023	1029	1038	rVV	102721	242415	26.34%	3.218%
3	8.061	1040	1044	1052	rVB8	9922	21517	2.34%	0.286%
4	8.173	1060	1063	1071	rVB8	6882	13651	1.48%	0.181%
5	8.320	1081	1088	1098	rBV3	66529	154384	16.78%	2.049%
6	8.497	1115	1118	1119	rBV2	9951	10567	1.15%	0.140%
7	8.861	1170	1180	1189	rBV	157567	349336	37.96%	4.637%
8	9.314	1251	1257	1259	rBV7	16783	30361	3.30%	0.403%
9	9.344	1260	1262	1267	rVB6	21939	31912	3.47%	0.424%
10	9.620	1304	1309	1316	rVB7	23284	46842	5.09%	0.622%
11	9.767	1328	1334	1343	rBV5	43663	99147	10.77%	1.316%
12	9.908	1354	1358	1363	rVB4	29938	56720	6.16%	0.753%
13	9.967	1365	1368	1373	rBV7	22118	40206	4.37%	0.534%
14	10.097	1385	1390	1395	rBV5	31713	76457	8.31%	1.015%
15	10.261	1414	1418	1423	rVB4	34536	56424	6.13%	0.749%
16	10.332	1423	1430	1442	rBV	415349	920265	100.00%	12.215%
17	10.502	1455	1459	1460	rBV3	38303	51728	5.62%	0.687%
18	10.673	1484	1488	1496	rVB2	96961	171838	18.67%	2.281%
19	10.767	1501	1504	1514	rVB7	62611	150786	16.39%	2.001%
20	10.944	1530	1534	1540	rVB2	82676	119258	12.96%	1.583%
21	11.049	1548	1552	1559	rVB2	61509	106632	11.59%	1.415%
22	11.185	1572	1575	1578	rVB	59095	69171	7.52%	0.918%
23	11.238	1581	1584	1590	rVB4	74846	124296	13.51%	1.650%
24	11.344	1600	1602	1606	rVB2	51354	57631	6.26%	0.765%
25	11.514	1629	1631	1634	rBV4	38802	47853	5.20%	0.635%
26	11.632	1645	1651	1657	rBV2	314378	752214	81.74%	9.985%
27	12.255	1755	1757	1762	rVB	101159	128375	13.95%	1.704%
28	12.620	1814	1819	1824	rBV3	202357	336555	36.57%	4.467%
29	12.943	1867	1874	1880	rBV9	130533	362150	39.35%	4.807%
30	13.079	1895	1897	1901	rBV5	45384	63716	6.92%	0.846%
31	13.173	1910	1913	1916	rVB2	86184	96849	10.52%	1.286%
32	13.561	1974	1979	1989	rVB2	258856	504214	54.79%	6.693%
33	13.885	2030	2034	2038	rBV5	103497	167607	18.21%	2.225%
34	14.096	2067	2070	2084	rVB	224426	506950	55.09%	6.729%
35	14.208	2086	2089	2095	rVB4	67292	107363	11.67%	1.425%
36	14.396	2117	2121	2123	rBV4	72734	115496	12.55%	1.533%

LSC Area Percent Report

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Operator : VA/SY
Sample : N2331-04
Misc : 5.80G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SR-EX1B-BASE-02

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Title : SW846 8260

37	14.461	2130	2132	2137	rVB	116053	144819	15.74%	1.922%
38	14.508	2137	2140	2144	rBV4	44002	80171	8.71%	1.064%
39	14.549	2144	2147	2153	rVB7	69822	122818	13.35%	1.630%
40	14.808	2185	2191	2196	rBV3	173858	394177	42.83%	5.232%
41	15.079	2233	2237	2241	rBV3	67445	102526	11.14%	1.361%
42	15.190	2252	2256	2262	rVB3	75331	146611	15.93%	1.946%
43	15.349	2279	2283	2291	rVB3	60693	105824	11.50%	1.405%
44	16.326	2445	2449	2456	rVB3	45999	84591	9.19%	1.123%

Sum of corrected areas: 7533804

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Operator : VA/SY
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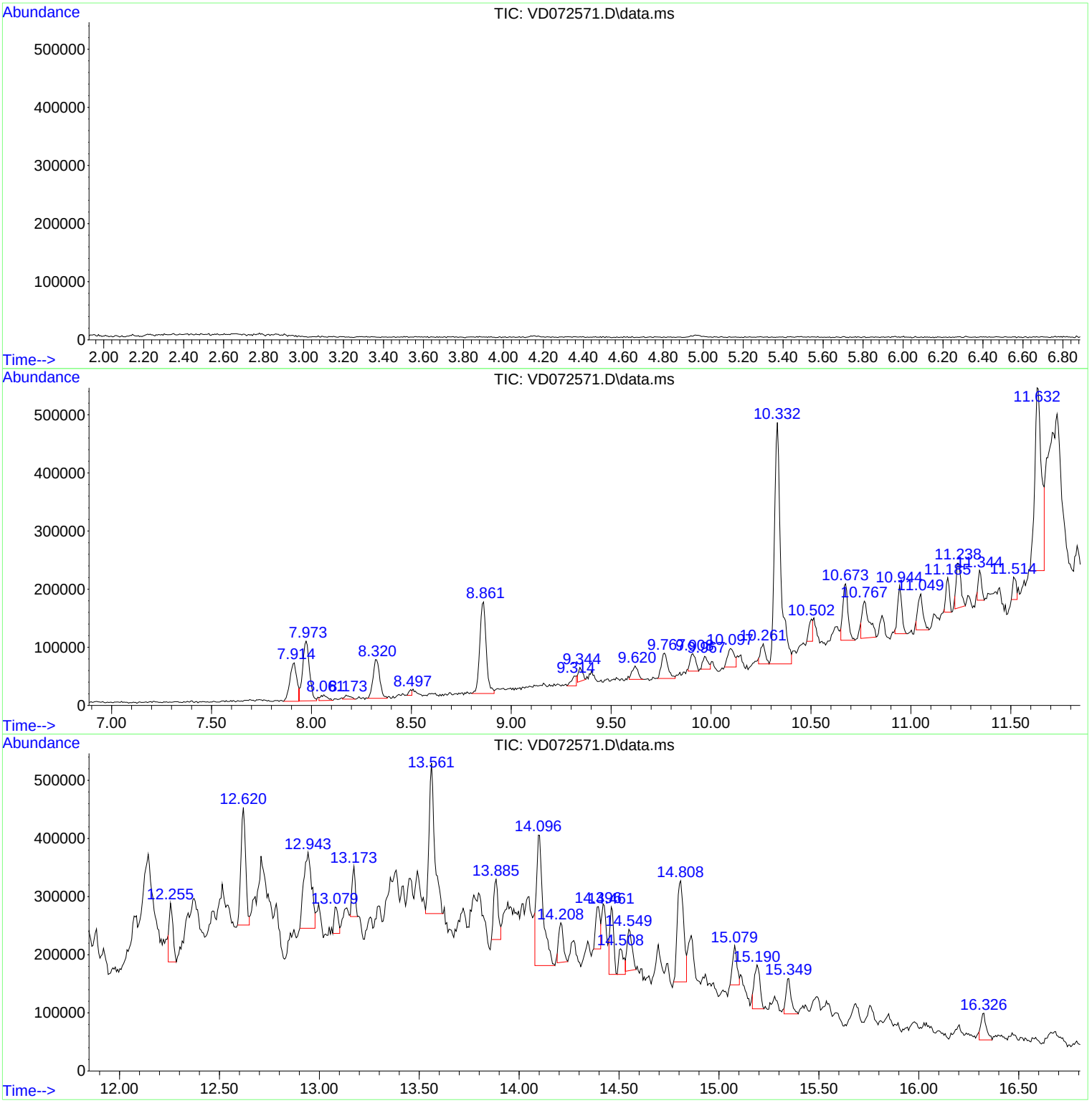
Misc : 5.80G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SR-EX1B-BASE-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040822\
Data File : VD072571.D
Acq On : 08 Apr 2022 20:44
Operator : VA/SY
Sample : N2331-04
Misc : 5.80G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SR-EX1B-BASE-02

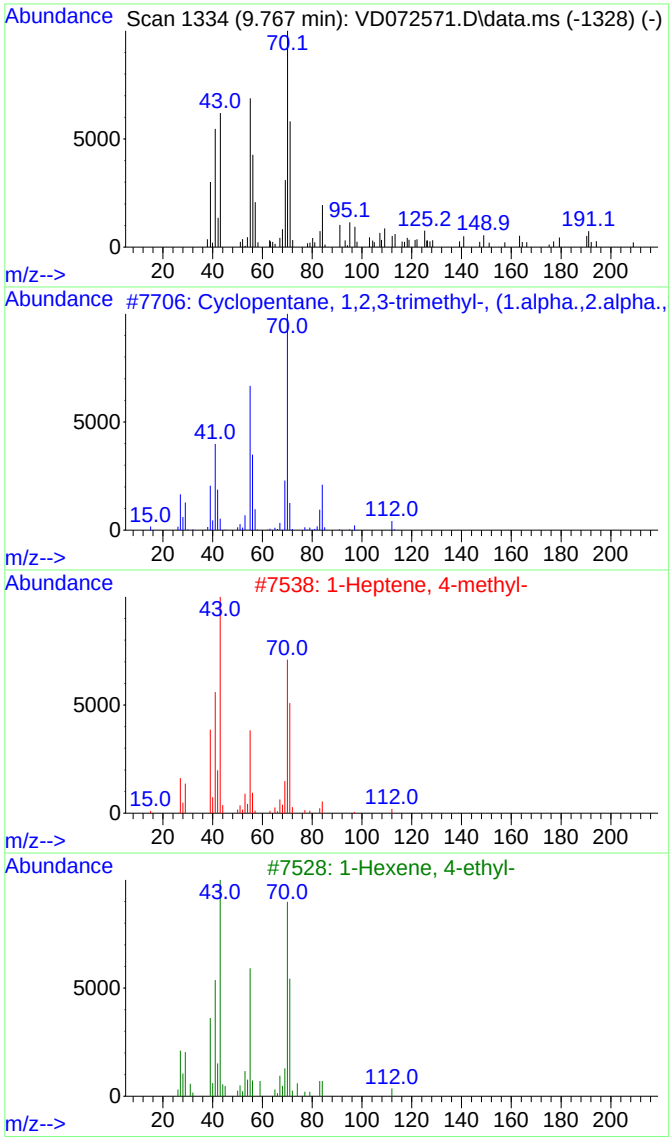
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260

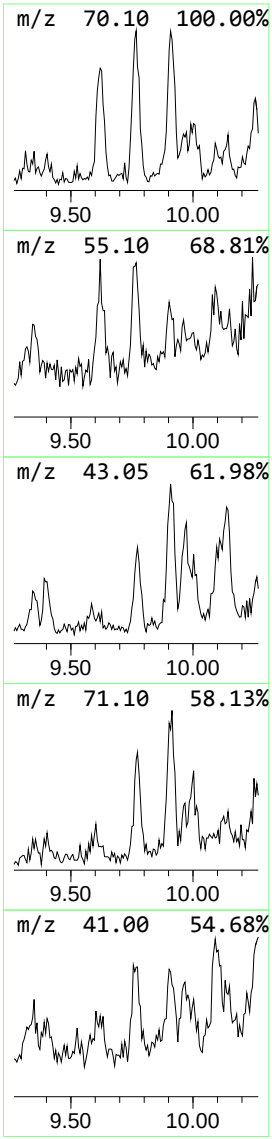
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclopentane, 1,2,3-trimeth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.767	14.19 ug/l	99147	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	58
2	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	47
3	1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	46
4	Pyrrolidine	71	C4H9N	000123-75-1	43
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040822\
Data File : VD072571.D
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Operator : VA/SY
Sample : N2331-04
Misc : 5.80G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SR-EX1B-BASE-02

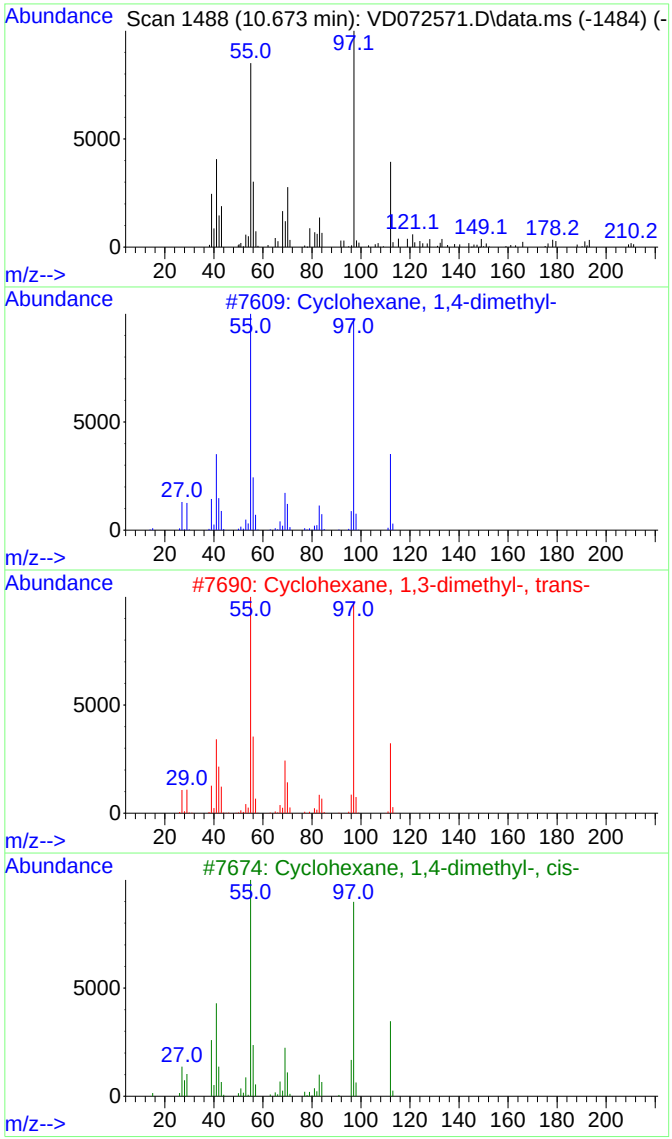
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260

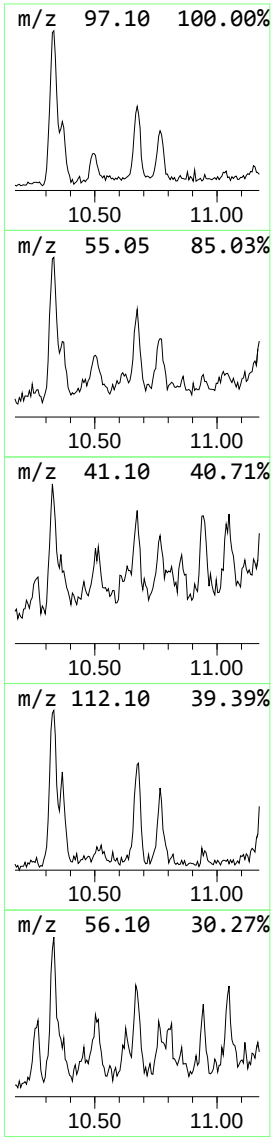
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclohexane, 1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.673	11.42 ug/l	171838	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	80
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	80
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	80
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	78
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040822\
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Acq On : 08 Apr 2022 20:44
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Sample : N2331-04
Misc : 5.80G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SR-EX1B-BASE-02

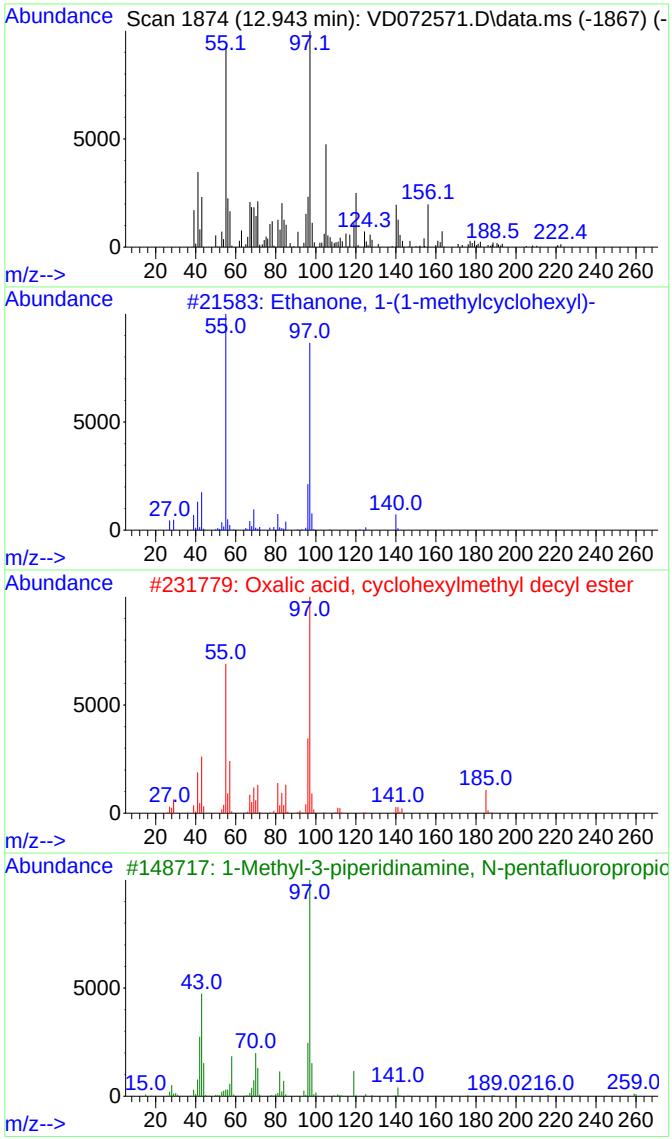
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260

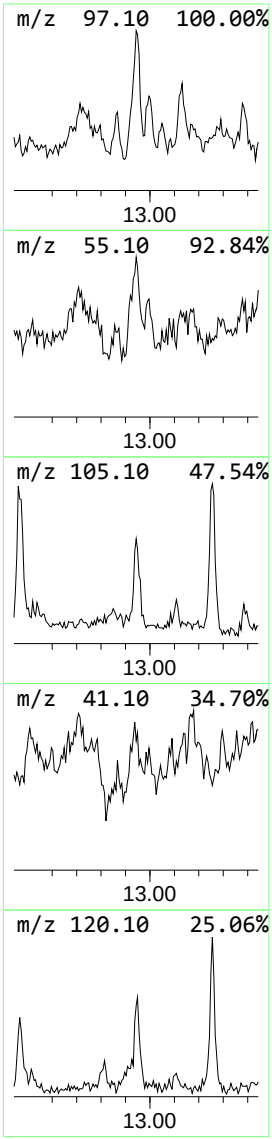
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Ethanone, 1-(1-methylcycloh... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.943	35.91 ug/l	362150	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	52
2	Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	47
3	1-Methyl-3-piperidinamine, N-pen...	260	C9H13F5N2O	1963071-64-8	47
4	Ethanone, 1-(3,4-dihydro-6-methy...	140	C8H12O2	028450-02-4	46
5	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040822\
Data File : VD072571.D
Acq On : 08 Apr 2022 20:44
Operator : VA/SY
Sample : N2331-04
Misc : 5.80G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SR-EX1B-BASE-02

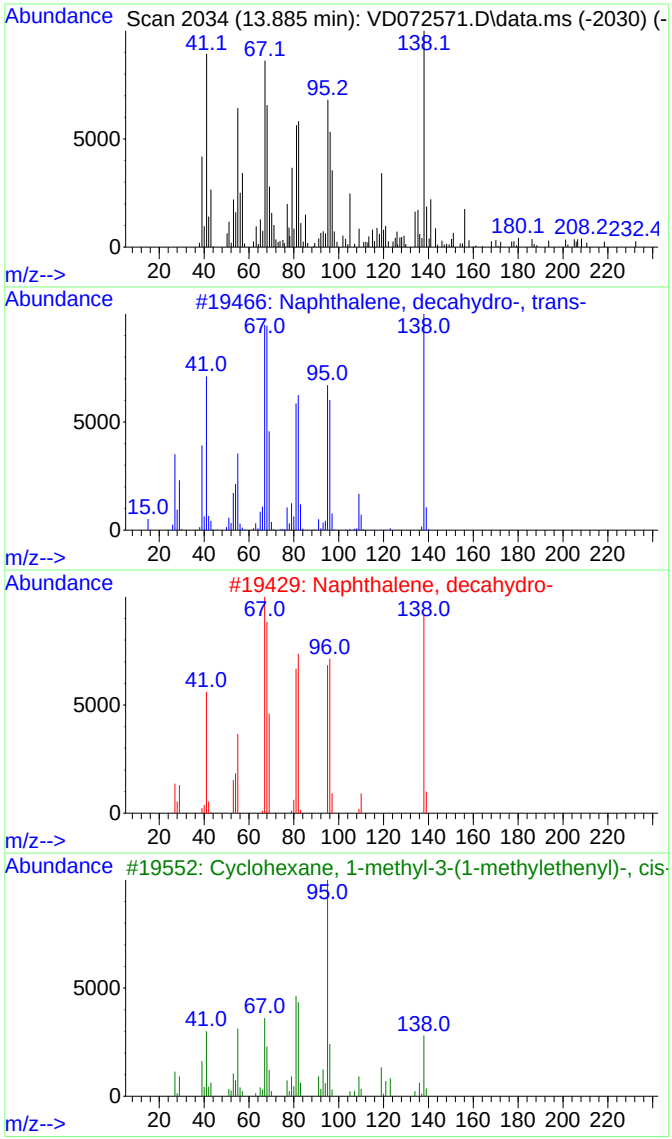
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260

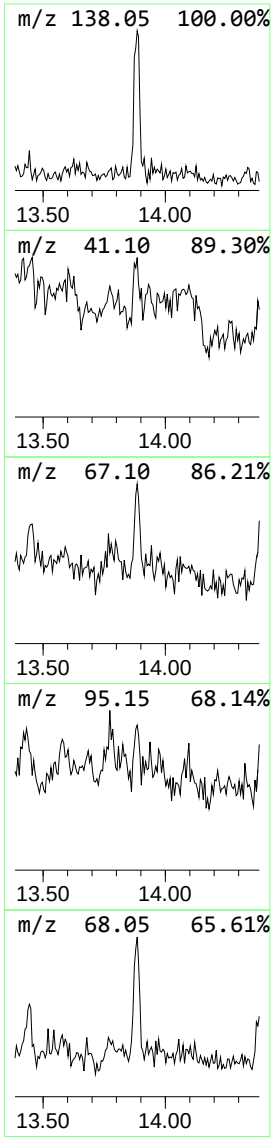
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, decahydro-, tr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.885	16.62 ug/l	167607	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	81
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	81
3	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	76
4	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	64
5	2-n-Butyl-2-cyclopentenone	138	C9H14O	005561-05-7	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040822\
Data File : VD072571.D
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Operator : VA/SY
Sample : N2331-04
Misc : 5.80G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SR-EX1B-BASE-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260

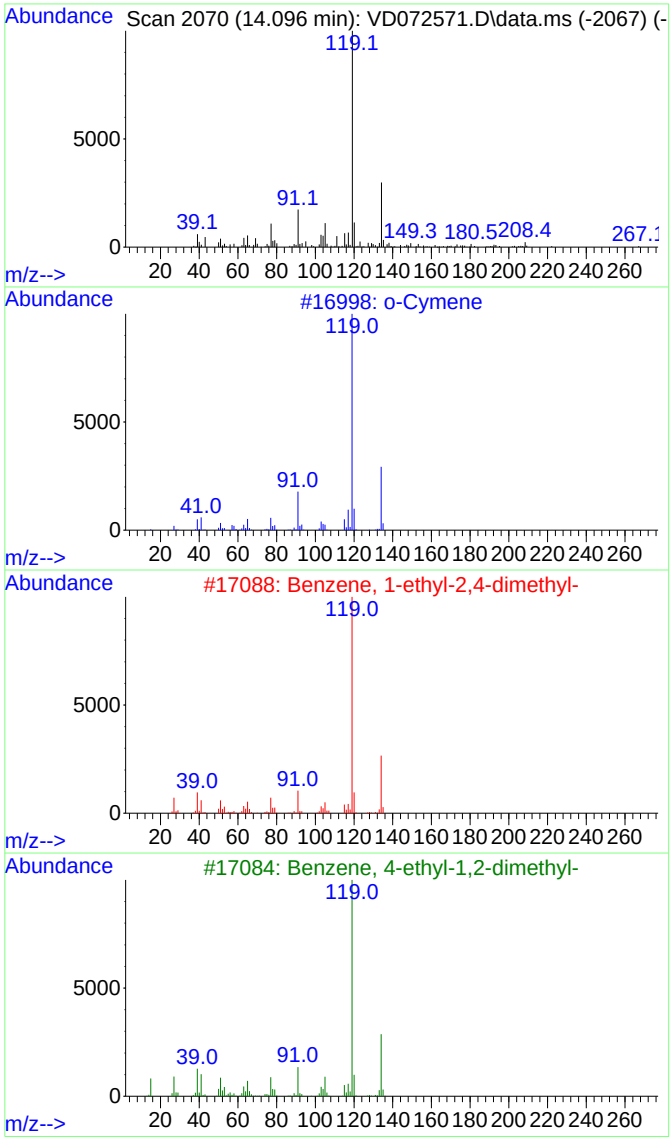
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

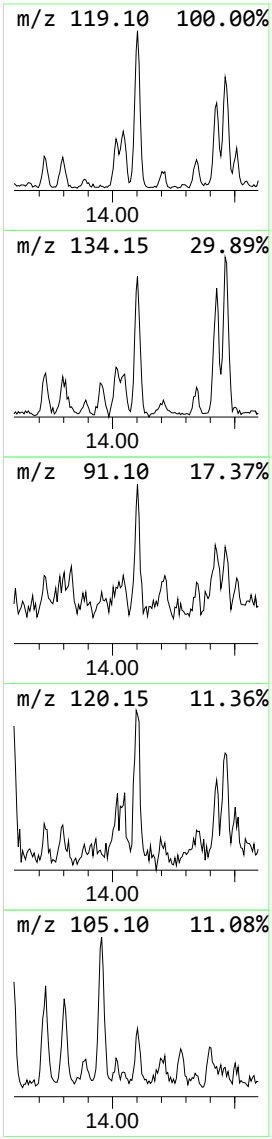
****

Peak Number 5 o-Cymene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.096	50.27 ug/l	506950	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90





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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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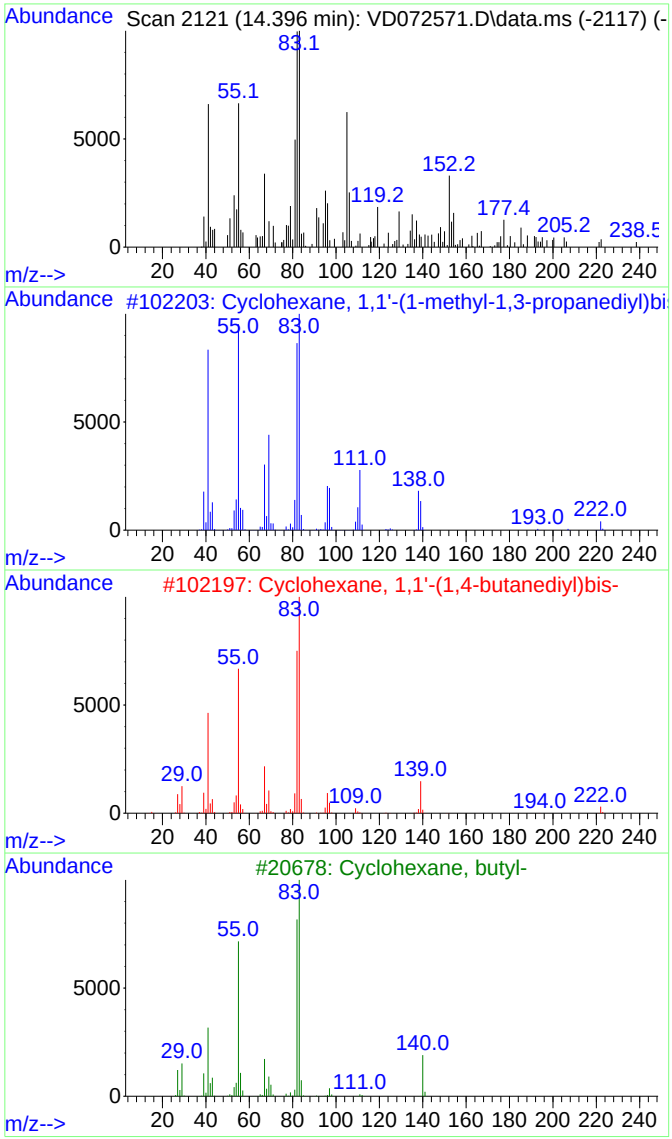
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260

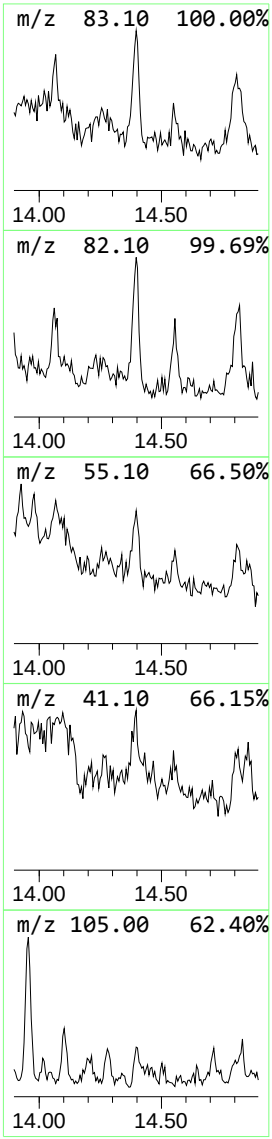
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexane, 1,1'-(1-methyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.396	11.45 ug/l	115496	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1'-(1-methyl-1,3-...	222	C16H30	041851-35-8	53
2	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	52
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	47
4	Cyclohexane, pentacosyl-	434	C31H62	061828-10-2	47
5	Silane, dichlorocyclohexylmethyl-	196	C7H14Cl2Si	005578-42-7	47





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Sample : N2331-04
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SR-EX1B-BASE-02

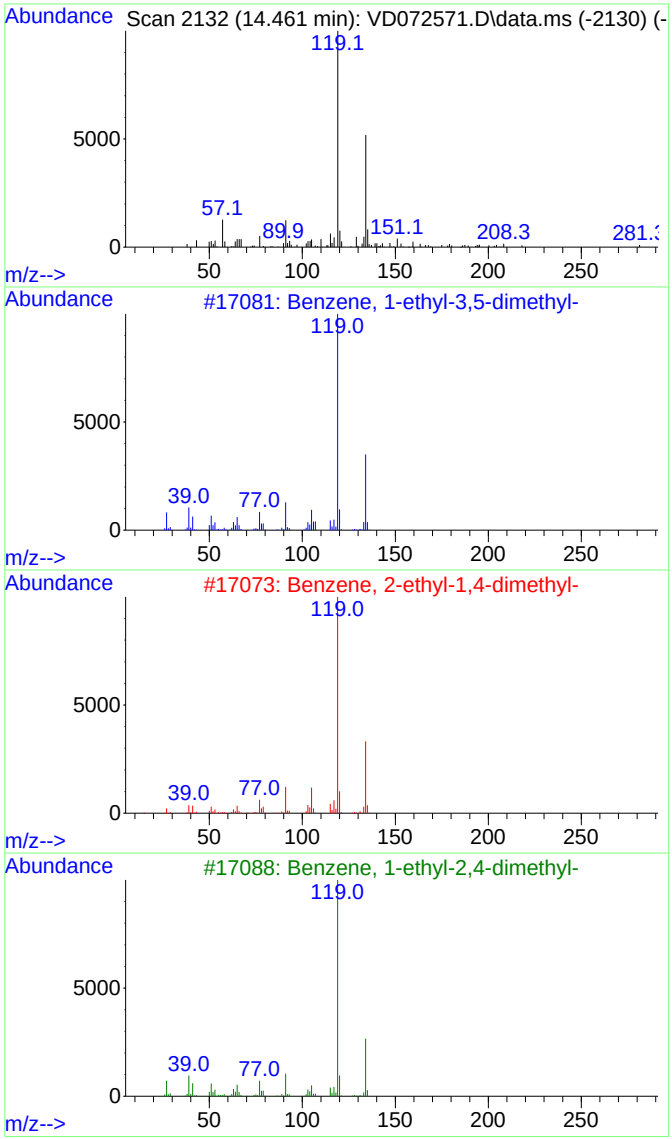
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260

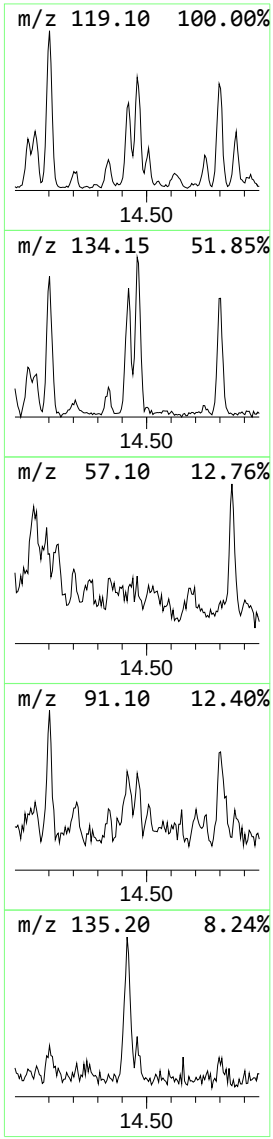
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.461	14.36 ug/l	144819	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040822\
Data File : VD072571.D
Acq On : 08 Apr 2022 20:44
Operator : VA/SY
Sample : N2331-04
Misc : 5.80G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SR-EX1B-BASE-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260

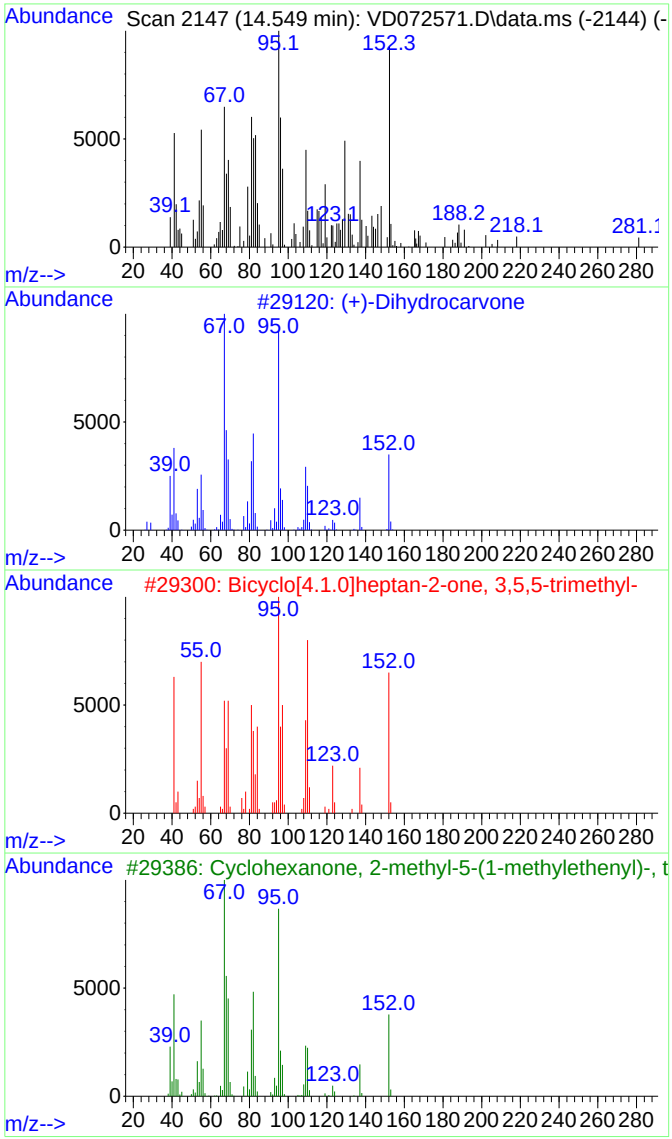
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

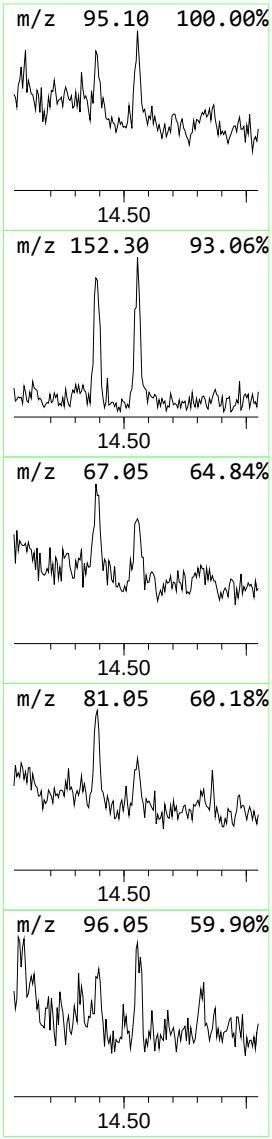
****

Peak Number 8 (+)-Dihydrocarvone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.549	12.18 ug/l	122818	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-Dihydrocarvone	152	C10H16O	005524-05-0	70
2	Bicyclo[4.1.0]heptan-2-one, 3,5,...	152	C10H16O	029750-24-1	64
3	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	62
4	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	60
5	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040822\
Data File : VD072571.D
Acq On : 08 Apr 2022 20:44
Operator : VA/SY
Sample : N2331-04
Misc : 5.80G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SR-EX1B-BASE-02

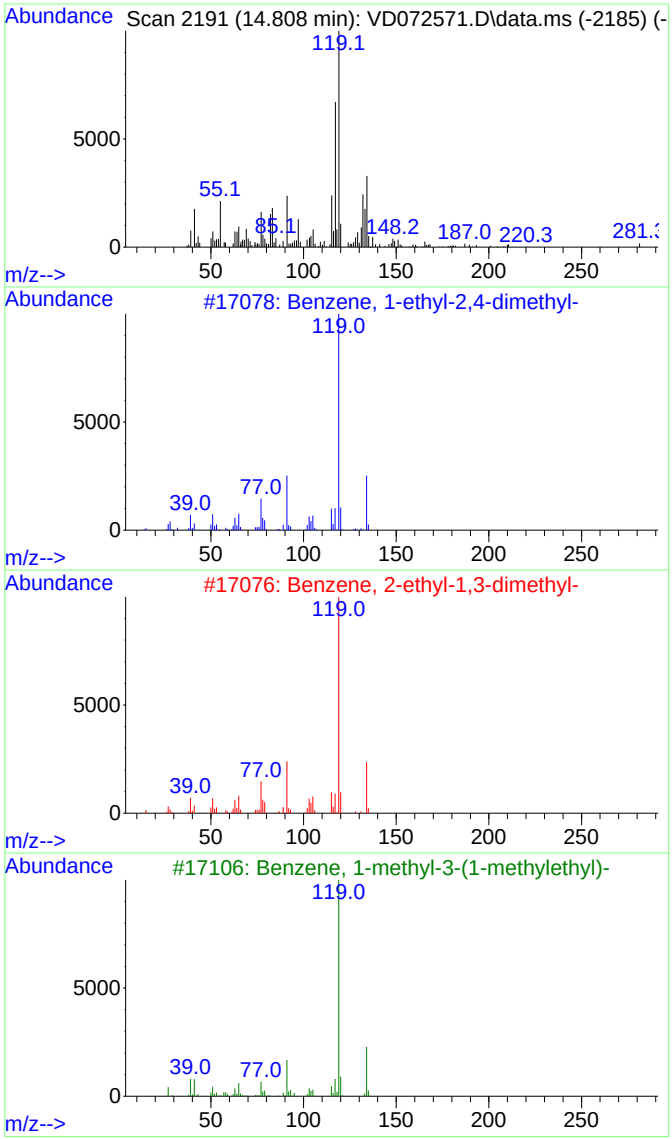
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260

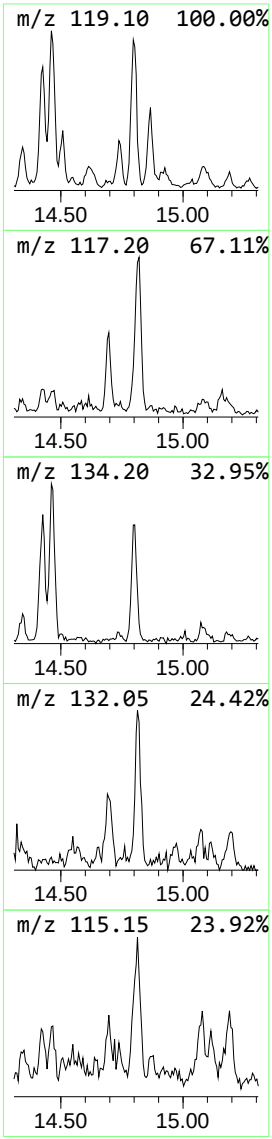
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.808	39.09 ug/l	394177	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	55
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	49
4	5H-5-Methyl-6,7-dihydrocyclopent...	134	C8H10N2	023747-48-0	49
5	p-Cymene	134	C10H14	000099-87-6	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040822\
Data File : VD072571.D
Acq On : 08 Apr 2022 20:44
Operator : VA/SY
Sample : N2331-04
Misc : 5.80G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SR-EX1B-BASE-02

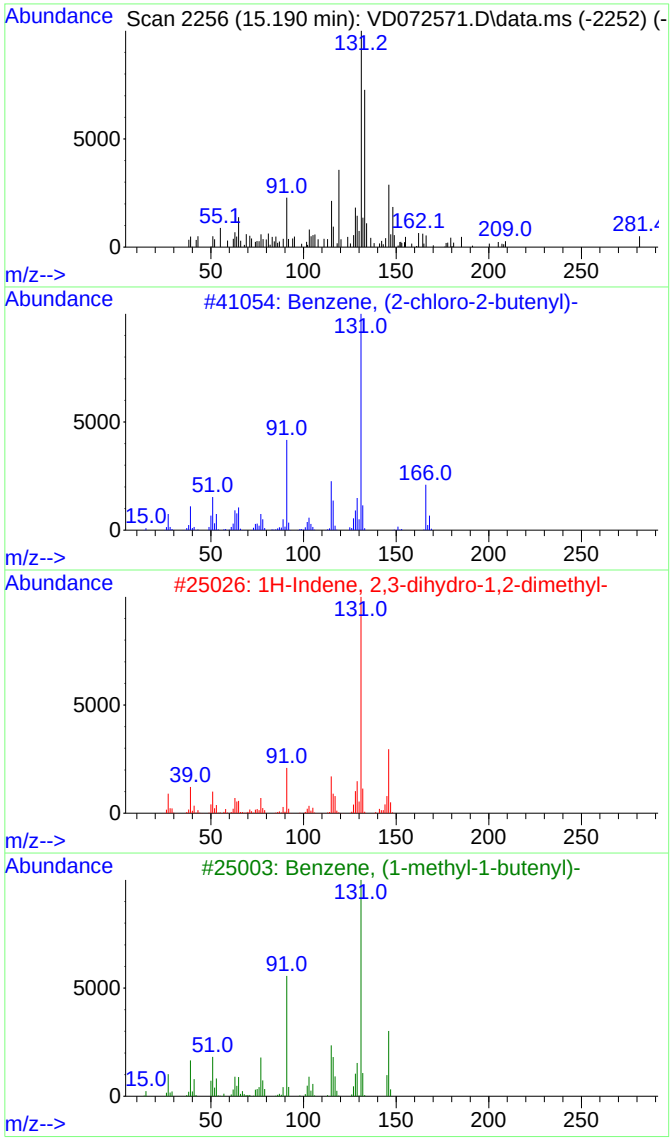
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260

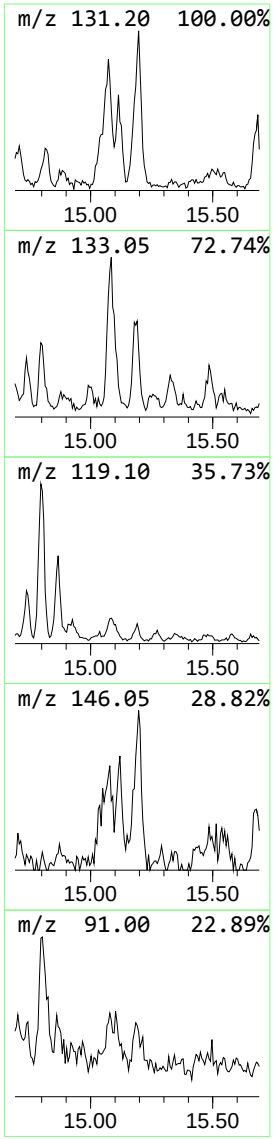
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, (2-chloro-2-butenyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.190	14.54 ug/l	146611	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	64
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	60
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	60
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	60
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040822\
Data File : VD072571.D
Acq On : 08 Apr 2022 20:44
Operator : VA/SY
Sample : N2331-04
Misc : 5.80G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SR-EX1B-BASE-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclopentane, 1...	9.767	14.2	ug/l	99147	2	8.861	349336	50.0
Cyclohexane, 1,...	10.673	11.4	ug/l	171838	3	11.638	752214	50.0
Ethanone, 1-(1-...	12.943	35.9	ug/l	362150	4	13.561	504214	50.0
Naphthalene, de...	13.885	16.6	ug/l	167607	4	13.561	504214	50.0
o-Cymene	14.096	50.3	ug/l	506950	4	13.561	504214	50.0
Cyclohexane, 1,...	14.396	11.4	ug/l	115496	4	13.561	504214	50.0
Benzene, 1-ethy...	14.461	14.4	ug/l	144819	4	13.561	504214	50.0
(+)-Dihydrocarvone	14.549	12.2	ug/l	122818	4	13.561	504214	50.0
Benzene, 1-ethy...	14.808	39.1	ug/l	394177	4	13.561	504214	50.0
Benzene, (2-chl...	15.190	14.5	ug/l	146611	4	13.561	504214	50.0